M.O FORM 2373

AIR MINISTRY.

METEOROLOGICAL OFFICE.

LONDON.

DAILY WEATHER REPORTS

1ST APRIL TO 30TH JUNE, 1923.

METEOROLOGICAL STATIONS.

Scale 1:2 x 10⁷

Nautical Miles 0 100 200 300 400 500

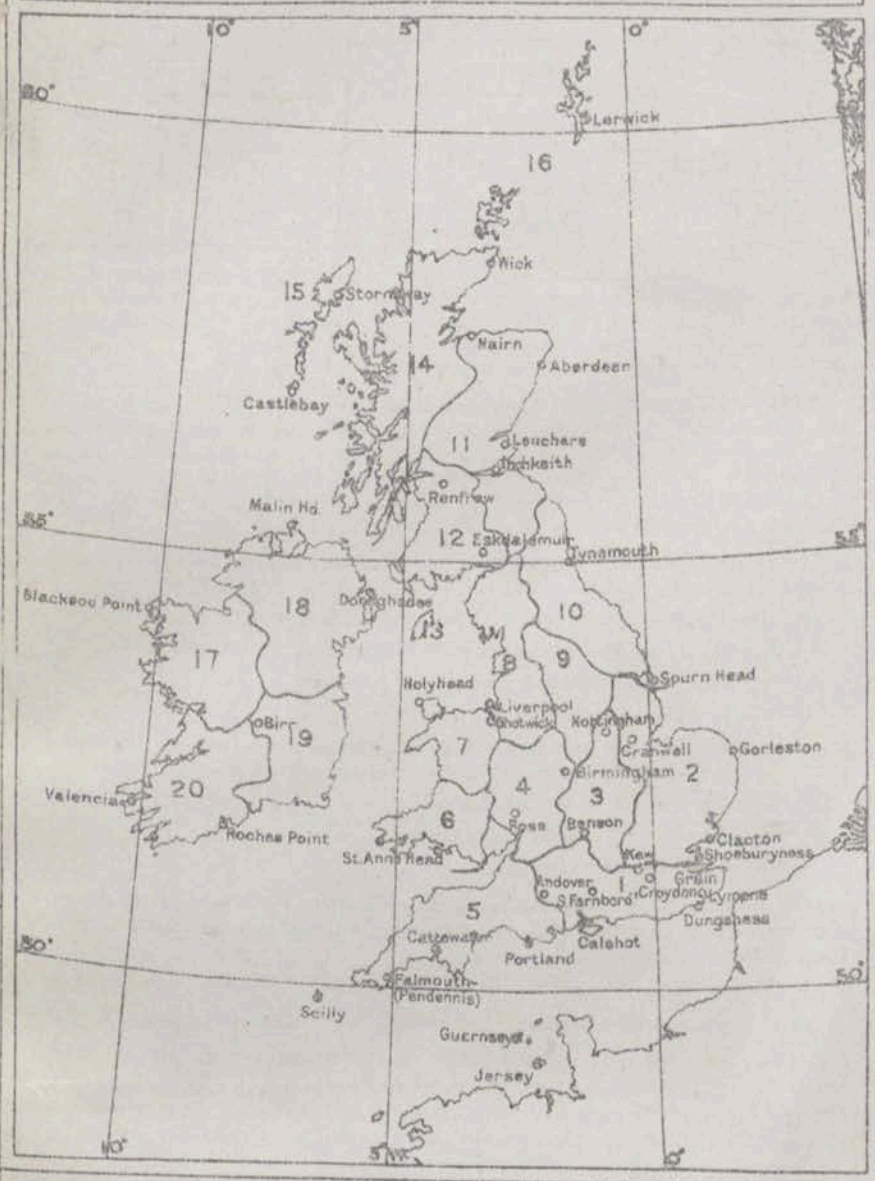
Statute Miles 0 100 200 300 400 500

Spitzbergen
Bear Island
Vardo
Ingygbugten
Jan Mayn
Röst
Haparanda
Isafjord
Akureyri
Seydisfjord
Reykjavik
Vestmanna
Thorshavn
Sarona
Helsingfors
Stockholm
Lerwick
Flora
Karlstad
Wigby
Skudesnaes (Utsire)
Lister
Skagen
Memel
Stornoway
Wick
Nairn
Aberdeen
Hantsholm
Copenhagen
Bornholm
Castlebay
Inchkeith
Blaavands
Malin Heads
Gisgow
Skodesmuir
Tynemouth
Hamburg
Donaghadee
Groningen
Berlin
Posen
Warsaw
Blackrock Point
Spurn Head
The Helder
Birr
Holyhead
Liverpool
Utrecht
Cassel
Breslau
Nottingham
Harmouth
Prague
Valencia
Rosses Point
Clacton
Aachen
Flushing
Maestricht
Frankfurt
Lemburg
Kew
Dungeness
Calais
Brussels
Portland Bill
Munich
Vienna
Scilly
Falmouth
La Havre
Paris
Strasbourg
Jersey
Zurich
Dijon
St. Mathieu
Rennes
Tours
Berne
Lugano
Lyons
Geneva
Ushant
Bordeaux
Leghorn
Toulouse
Toulon
Perpignan
Roma
Corunna
Bayonne
Pic du Midi
Sanguinaire
Madrid
Cagliari
Palermo
Malta
Lisbon
Algiers
Gibraltar
Porto Santo
Madeira
P. Delgada

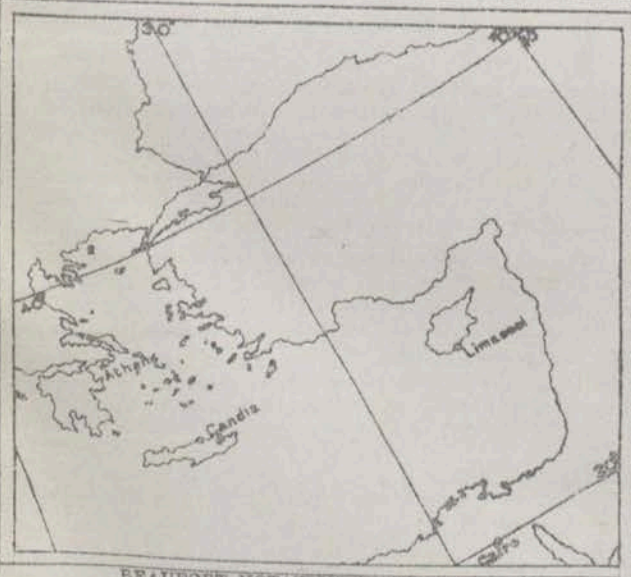
H.M. Stationery Office Press, Kingsway W.C.2

1875/103 m.11/2. D.8585/H.1001. 750. 8/20.

FORECAST DISTRICTS AND BRITISH STATIONS.



STATIONS USED FOR UPPER AIR SUPPLEMENT.



BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
fp precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

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; i = intermittent; – = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";

Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—

R = heavy rain.
rr = continuous moderate rain.
fofo = continuous light rain.

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 Land Stations	Limits of Mean Velocities Statute Miles per Hour.
0	Calm	Calm; smoke rises 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 wind	Raises dust and loose paper; small branches are moved	13-18
5	Fresh wind	Small trees in leaf begin to sway; crested wavelets on inland waters	19-24
6	Strong wind	Large branches in motion; whistling heard in telegraph wires	25-31
7	High wind	Whole trees in motion; inconvenience felt when walking against wind	32-38
8	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		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 *South Cone* (point downwards) is hoisted for gales from S.E., veering to S.W., W. or N.W.
" S.W., veering to W. or N.W.
" W., veering to N.W.
" E., veering to S. or S.W.

The *North Cone* (point upwards) is hoisted for gales from S.E., E. or N.E., backing to N.
" N.W., veering to N., N.E. or E.
" N., veering to N.E. or E.
" N.E., veering to E.

The Signals remain hoisted after the receipt of a warning telegram until danger of a gale is passed.

The Districts to which warnings are sent are shown in the British Section of the Daily Weather Report by the following symbols :—

South Cone hoisted
North " "

AIR MINISTRY.

METEOROLOGICAL OFFICE, LONDON.

NOTES ON THE INFORMATION CONTAINED IN THE BRITISH AND INTERNATIONAL SECTIONS OF THE DAILY WEATHER REPORT.

Heights of Stations.—The heights of British Stations above M.S.L. published in the British Section of the Daily Weather Report refer to the plot of ground on which the rain gauge is situated.

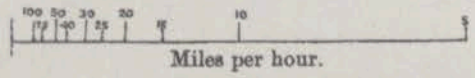
Pressure.—The distribution of barometric pressure at Mean Sea Level is shown by means of isobars which are drawn for intervals of 2 millibars on the British Section of the Report and for intervals of 4 millibars on the International Section.

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 (160 miles) in the Daily Weather Report 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 with both the International and the British Sections. If the distance between consecutive isobars is measured along the rule from the left-hand extremity the geostrophic wind is shown by the scale in miles per hour.

GEOSTROPHIC WIND SCALE FOR

4 mb isobars on 1 : 2×10^7 Charts.
or 2 mb „ „ 1 : 10^7 „
or 1 mb „ „ 1 : 5×10^6 „



Miles per hour.

This scale applies under the following conditions:—

Pressure, 1,015 mb. Temperature, 283° A=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°.

Weather.—In describing the distribution of weather over a district or during an interval of time such as a day, descriptive adjectives are used with the following meanings:—

Fine—mainly b and bc of the Beaufort notation (*see* previous page).
Fair or fair generally—mainly bc and c.
Cloudy—combinations of bc, c and o, c predominating.
Overcast—mainly c and o.
Dull—overcast with low heavy cloud.
Varying or variable cloud—combinations of b, bc, c, and o.
Precipitation when occurring is specifically mentioned.

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

Maximum and Minimum Temperatures entered in the British Section for Liverpool (Bidston) since 1st March, 1921 (not 1st April as stated in last issue), have been for the 22 hour period commencing at 9 a.m. the previous day.

Maximum Temperatures entered for Shoeburyness from March 1st, 1921, to January 15th, 1923, referred to the 24 hours ending at 7 a.m. From January 16th, 1923, day maximum readings have been given.

Upper Air Temperature.—The actual observations are made normally, one at 1,000 feet above the level of the aerodrome, and the remainder at *pressures* of 950, 900, 850, 800, etc., millibars. Heights are then computed and, apart from instrumental error, are correct heights: they do not require modification for differences of temperature from normal as these are allowed for in the computation. The values are shown graphically and in tabular form in the Upper Air Supplement. On the diagram, temperatures are given in degrees Fahrenheit and Absolute. The lines marked "Anti-cyclonic," "Cyclonic," "Summer," and "Winter," indicate the normal fall of temperature with pressure under the conditions indicated. The oblique line marked "Adiabatic" shows the lapse rate of temperature for dry air ascending or descending under adiabatic conditions, *i.e.*, without communication of heat from external sources. The lapse rate under these circumstances is very approximately 5·5° F. per 1,000 feet, or 10a per kilometre. A lapse rate greater than this value indicates instability of the atmosphere.

The new tables for computing relative humidity from readings of dry and wet bulb thermometers exposed on aeroplanes, are based on the formula* $e''=e'-A\ (t-t')\ \frac{B}{1000}$ where A=0.37, which differs from the old formula used previously to the 19th September, 1921, only in having a constant 0·37 instead of 0·278. Considerable difference exists between the values for relative humidity given by the two formulæ when the humidity is low: when it is high the differences are slight. The following tables indicate the actual value of these differences, the new formula invariably giving smaller humidities:—

Dry Bulb. °F.	Air pressure 400 mb. Depression of wet bulb. 5°	10°	15°	20°	25°	Dry Bulb. °F.	Air pressure 600 mb. Depression of wet bulb 5°	10°	15°	20°	25°
20	6	10	—	—	—	20	7	15	—	—	—
40	2	4	6	9	—	40	3	6	10	—	—
60	1	2	3	4	5	60	2	3	4	7	7
80	0	1	1	2	2	80	0	2	2	3	4

* e'' = actual pressure of water vapour in the air expressed in the same unit as B.
e' = saturation pressure of water vapour at wet bulb temperature.
t = dry bulb temperature in degrees F.
t' = wet bulb temperature in degrees F.
B = barometric pressure.

Dry Bulb. °F.	Air pressure 800 mb. Depression of wet bulb. 5°	10°	15°	20°	25°	Dry Bulb. °F.	Air pressure 1000 mb. Depression of wet bulb. 5°	10°	15°	20°	25°
20	10	—	—	—	—	20	12	—	—	—	—
40	4	9	13	—	—	40	6	11	—	—	—
60	2	4	7	—	—	60	3	6	8	11	—
80	2	2	4	4	5	80	2	3	4	6	6

The new formula is based on experiments in the wind channel at South Farnborough, which indicate that A is practically independent of the speed of the wind at speeds above 20 m.p.h. In the old formula, the value of A was obtained by extra-polation from the curve giving its actual values at different wind speeds up to 12 m.p.h.

Radio Disturbances (Atmospherics) at Croydon.—In the table under the above heading, information is given concerning atmospherics heard at Croydon. The term "atmospherics" is used to denote the clicks and crashes which are commonly heard in a wireless receiver, the intensity of which varies greatly at different times. Observations at Croydon are made 4 times daily at 1h., 7h., 13h. and 18h. G.M.T.

The second column indicates the type of sound heard, by the following abbreviations:—

C—Uniform clicks and normal quiet distribution.
C_1C_2—Clicks of two obviously different orders of intensity.
Cg—Clicks predominant but a few grinders.
G—Grinders predominant.
GG—Continuous grinders whose minimum direction can be found by estimation of intensity without counting.
Ck—Clicks with a few loud crashes.
CK—Clicks with numerous crashes.
KK—Very loud atmospherics.

In the third column the number of atmospherics per 4 seconds is shown. This number is obtained with the receiving coil set in a direction to give the maximum number.

Fourth Column. Strength. From January 1st, 1923, strength has been obtained from the formula $S=\frac{10}{r}$ where r is the resistance in ohms of the shunt necessary to reduce the number of atmospherics heard in the telephone to one quarter of those heard without shunt.

Fifth column. Direction. This indicates the direction from which the maximum intensity of atmospherics is proceeding. Directions are given in degrees (*see* diagram below).

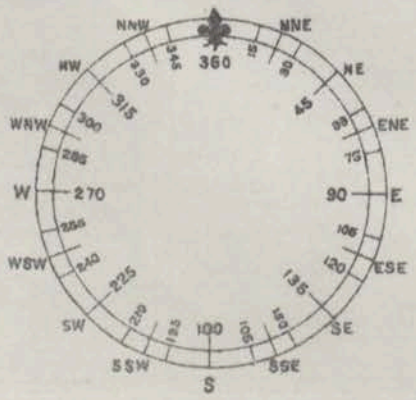
It is to be noted that there is an ambiguity of 180° in the determination of direction.

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. Wind velocities are shown on the charts of the British Section and Upper Air Supplement in m.p.h. by the numbers placed within the small circles. In the International Section velocities are not shown. In both Sections the number of feathers on the arrows denotes wind force by Beaufort number.

Upper Winds.—The direction and velocity of the wind are given in the charts of the Upper Air Supplement for heights of 1,000 feet, 3,000 feet, and 6,000 feet. The data are also given in tabular form for various heights. The reports are usually based on Pilot Balloon ascents.

Wind reports deduced from British Pilot Balloon Ascents refer to the 1,000 feet layers centering at the heights given in the table up to 16,000 feet. When winds are reported at greater heights, they refer to the 5,000 feet layers centering at 20,000 feet, 25,000 feet, 30,000 feet and 35,000 feet.

In the tabular statement direction is specified in degrees from true north measured through East 90°, South 180°, West 270° to North 360°. (*See* diagram below.)



Note.—Ships' Reports.

SEA DISTURBANCE.

0 No or slight swell.	and	Sea smooth to moderate.
1. Moderate swell.		
2. Heavy „		
3. Long low „		
4. Confused „		
5. No or slight swell.	and	Sea rough or above.
6. Moderate „		
7. Heavy „		
8. Long low „		
9. Confused „		

APRIL. MAY. JUNE.

MET

DAILY WEATHER REPORT. APPENDIX I.

NORMAL VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE.

SECOND QUARTER, APRIL TO JUNE.

(Issued as a Supplement to the Daily Weather Report of April 1st.)

	STATIONS.	PRESSURE. 1906–1915.	AIR TEMPERATURE. Means of 1906–1915.	AIR TEMPERATURE. Means of 1881–1915.	AIR TEMPERATURE. Absolute Extremes. 1881–1915.				RAINFALL. 1881–1915.			BRIGHT SUNSHINE. 1881–1915.	
					Maximum.		Minimum.			Total Fall.			
		7 a.m. Observations (reduced to M.S. Level).	Dry Bulb 7 a.m.	Daily Maximum.	Daily Minimum.	Temp.	Year.	Temp.	Year.	Days with Rain.			Daily Mean.	Per Centage of Possible Duration.
		mb.	°F.	°F.	°F.	°F.		°F.			mm.	in.	hr	%
APRIL.	Lerwick	1010·9	40·9	46·0	36·9	59	1901, 14	21	1899	19	58	2·28	—	—
	Stornoway	1011·9	41·9	49·5	37·5	67	1893	20	1881	19	77	3·03	5·13	36
	Castlebay (Barra Isd.)	[1012·6]§	[44·0]§	[48·5]§	[41·1]§	[62]§	[1915]§	[27]§	[1908]§	[20]§	[72]§	[2·84]§	[5·33]§	[38]§
	Eskdalemuir	[1015·9]¶	[39·6]¶	[50·0]‖	[33·9]‖	[67]‖	[1914]‖	[18]‖	[1910]‖	[17]‖	[113]‖	[4·44]‖	[4·60]‖	[33]‖
	Malin Head	1012·6	43·4	[49·7]*	[40·8]*	[69]*	[1914]*	[26]*	[1908]*	[19]*	[50]*	[1·97]*	—	—
	Blacksod Point	1013·9	45·7	[51·5]*	[41·9]*	[71]*	[1893]*	[29]*	[1897, 1911]*	[20]*	[74]*	[2·90]*	—	—
	Valencia	1015·9	45·5	53·4	42·6	70	1892	30	1879, 92, 97, 98, 1906	19	93	3·67	5·31	39
	Roche's Point	1016·1	45·0	52·9	42·2	72	1893	29	1908	16	68	2·68	—	—
	Birr Castle	1015·2	42·2	54·2	38·0	73	1893	21	1892	16	55	2·15	5·13	37
	Donaghadee	1014·6	42·6	51·1	40·2	67	1909	28	1908	16	51	2·00	—	—
	Liverpool (Observatory)	1015·2	41·1	52·4	40·2	75	1893	28	1908, 11	14	41	1·61	[5·77]§	[42]§
	Holyhead	1014·9	45·0	51·2	41·5	75	1893	30	1908	14	53	2·08	[6·70]**	[48]**
	Pembroke (St. Ann's Hd.)	1015·4	44·3	50·6	42·0	70	1893	28	1911	15	50	1·95	5·93	43
	Scilly (St. Mary's)	1015·9	46·7	52·7	44·5	66	1893	30	1911	15	49	1·91	6·03	44
	Falmouth	1016·6	45·7	52·6	42·9	69	1893	29	1911	15	67	2·64	6·13	45
	Jersey (St. Aubin's)	1016·5	47·0	54·5	43·7	77	1893	28	1911	15	49	1·94	6·47	47
	Portland Bill	1015·6	45·2	51·6	42·3	[65]†	[1901, 04]†	[28]†	[1911]†	13	40	1·58	—	—
	Dungeness	1015·1	44·5	51·7	40·5	67	1901	24	1903	13	35	1·36	—	—
	Dover	[1016·1]§	[45·1]§	[52·6]§	[40·0]§	[71]§	[1914]§	[27]§	[1911]§	[14]§	[41]§	[1·60]§	[6·93]§	[51]§
	Wick	1011·7	41·3	49·1	36·8	69	1900	20	1905	18	51	1·99	—	—
	Nairn	1012·3	41·0	51·8	35·9	73	1914	18	1908	16	38	1·50	[4·83]‡	[34]‡
	Aberdeen	1013·4	42·2	49·8	37·6	74	1900	22	1908	17	48	1·87	5·27	37
	Leith	1013·7	42·9	52·6	38·1	73	1900	17	1908	14	33	1·29	—	—
	Tynemouth	1014·4	42·0	50·5	37·7	71	1892	23	1908	15	36	1·42	—	—
	Spurn Head	1014·5	43·3	49·8	40·0	70	1915	30	1881, 89, 1903, 05, 11	13	28	1·12	[6·60]**	[48]**
	Yarmouth	1015·2	43·3	50·0	39·8	72	1885	27	1911	14	38	1·49	[6·63]§	[48]§
	Clacton-on-Sea	1015·5	43·9	50·9	40·2	[69]‡	[1907, 09, 12]‡	[25]‡	[1911]‡	11	33	1·28	6·03	44
	Nottingham	1015·4	42·4	54·1	37·8	77	1893	23	1888	15	36	1·43	4·97	36
	LONDON (Kew Obsy.)	1016·2	43·2	55·0	39·5	80	1893	27	1887, 91, 11	13	37	1·45	5·23	38
MAY.	Lerwick	1013·7	44·6	49·9	40·5	63	1895	28	1909	18	53	2·09	—	—
	Stornoway	1013·7	46·9	53·7	41·3	75	1908	26	1906	19	65	2·56	6·16	37
	Castlebay (Barra Isd.)	[1014·5]§	[48·2]§	[53·2]§	[44·9]§	[73]§	[1911]§	[32]§	[1909]§	[17]§	[54]§	[2·11]§	[7·23]§	[44]§
	Eskdalemuir	[1016·3]¶	[45·3]¶	[55·7]‖	[38·5]‖	[73]‖	[1915]‖	[23]‖	[1915]‖	[15]‖	[72]‖	[2·85]‖	[5·32]‖	[33]‖
	Malin Head	1013·1	47·6	[54·1]*	[45·0]*	[73]*	[1908]*	[35]*	[1886, 91, 97* 1904, 06, 10]	[17]*	[50]*	[1·98]*	—	—
	Blacksod Point	1013·6	49·7	[55·9]*	[45·8]*	[75]*	[1890, 1911]*	[34]*	[1910]*	[19]* ◆	[72]*	[2·82]*	—	—
	Valencia	1014·3	50·6	57·9	46·5	74	1884, 95, 97	34	1885, 96	18	81	3·17	6·55	42
	Roche's Point	1015·0	50·2	57·4	46·5	73	1896	35	1909	15	62	2·43	—	—
	Birr Castle	1014·5	48·7	59·8	42·7	77	1881, 95, 1911	29	1885, 91, 1909, 14	16	57	2·21	5·87	37
	Donaghadee	1014·7	47·5	55·8	44·4	70	1896, 1911	33	1884, 85, 97, 1909	16	58	2·27	—	—
	Liverpool (Observatory)	1015·2	49·2	58·2	45·3	80	1895	30	1883	15	48	1·90	[6·84]§	[43]§
	Holyhead	1014·8	49·9	56·0	45·6	74	1895	37	1894, 1903, 07, 09	14	50	1·96	[7·10]**	[45]**
	Pembroke (St. Ann's Hd.)	1014·7	49·8	55·2	46·1	72	1890, 1910, 11, 15	36	1883, 87, 1904 05, 06, 10	14	49	1·91	6·97	45
	Scilly (St. Mary's)	1014·9	51·0	56·8	48·2	68	1911	38	1883	13	42	1·67	7·35	48
	Falmouth	1015·6	51·5	57·7	47·0	75	1915	36	1885, 1892	14	56	2·21	7·45	49
	Jersey (St. Aubin's)	1015·9	51·1	60·2	48·1	80	1913	35	1905, 06	13	46	1·82	7·81	51
	Portland Bill	1015·2	50·8	56·9	46·8	[74]†	[1911, 15]†	[36]†	[1900, 02]†	11	40	1·59	—	—
	Dungeness	1015·0	51·2	57·8	46·1	76	1892, 1913	30	1892, 1902	11	33	1·30	—	—
	Dover	[1016·5]§	[52·2]§	[59·6]§	[46·0]§	[77]§	[1909, 13]§	[35]§	[1909, 10]§	[11]§	[35]§	[1·39]§	[7·94]§	[52]§
	Wick	1013·8	45·9	53·4	40·8	71	1891	27	1886, 1902, 09	18	53	2·07	—	—
	Nairn	1013·8	46·7	56·8	40·7	78	1888	26	1894, 1914	17	46	1·80	[5·71]‡	[35]‡
	Aberdeen	1014·6	47·8	54·5	41·8	75	1902	29	1884, 91	17	59	2·33	6·03	37
	Leith	1014·5	48·2	57·3	42·8	81	1881	27	1883	14	46	1·83	—	—
	Tynemouth	1015·0	48·0	54·9	42·4	73	1903, 11	29	1891, 1909	14	51	1·99	—	—
	Spurn Head	1014·9	49·4	55·1	45·0	76	1913	34	1891	12	39	1·55	[5·74]**	[36]**
	Yarmouth	1015·3	50·4	55·9	45·2	81	1912	32	1891, 92	13	44	1·73	[7·48]§	[48]§
	Clacton-on-Sea	1015·4	51·3	57·5	45·5	[75]‡	[1909, 13]‡	[31]‡	[1902]‡	11	34	1·34	7·52	49
	Nottingham	1015·4	49·4	60·4	43·2	82	1895	27	1881, 1905	15	48	1·89	5·87	37
	LONDON (Kew Obsy.)	1015·8	51·1	61·7	45·0	84	1895	31	1886, 1892	12	44	1·72	6·48	42
JUNE.	Lerwick	1013·6	48·7	53·9	45·0	70	1891	33	1888	15	45	1·78	—	—
	Stornoway	1014·3	51·5	58·4	46·4	78	1911	31	1888	17	59	2·32	5·91	33
	Castlebay (Barra Isd.)	[1015·0]§	[52·2]§	[57·2]§	[49·2]§	[71]§	[1908, 10]§	[41]§	[1913]§	[16]§	[49]§	[1·91]§	[6·37]§	[36]§
	Eskdalemuir	[1015·2]¶	[51·1]¶	[61·2]‖	[43·9]‖	[78]‖	[1911]‖	[30]‖	[1914]‖	[15]‖	[77]‖	[3·05]‖	[5·03]‖	[33]‖
	Malin Head	1014·1	52·0	[58·7]*	[49·7]*	[78]*	[1905]*	[40]*	[1902, 07]*	[16]*	[54]*	[2·14]*	—	—
	Blacksod Point	1015·2	53·9	[60·6]*	[50·8]*	[82]*	[1887]*	[39]*	[1912]*	[17]*	[71]*	[2·79]*	—	—
	Valencia	1016·2	54·7	62·3	51·1	81	1887, 1902	37	1912	17	81	3·20	6·27	38
	Roche's Point	1016·4	54·5	62·4	51·3	80	1887	39	1912	14	68	2·67	—	—
	Birr Castle	1015·7	53·2	64·9	48·4	85	1887	32	1881	15	59	2·31	5·47	33
	Donaghadee	1015·2	51·8	60·7	49·1	77	1887	37	1885	15	59	2·33	—	—
	Liverpool (Observatory)	1015·6	54·0	63·6	51·0	85	1893	40	1903, 07	14	56	2·20	[7·00]§	[42]§
	Holyhead	1015·5	54·2	61·0	50·6	78	1888, 96	42	1881, 1912	13	55	2·15	[7·17]**	[43]**
	Pembroke (St. Ann's Hd.)	1015·8	53·4	60·0	51·3	79	1893	38	1888	13	50	1·98	7·27	44
	Scilly (St. Mary's)	1016·4	54·9	61·4	53·0	75	1893	41	1888	13	43	1·71	7·73	48
	Falmouth	1017·0	55·5	62·8	52·0	80	1893	42	1914	13	59	2·31	7·37	46
	Jersey (St. Aubin's)	1017·6	57·2	64·8	53·0	84	1893	39	1890	12	54	2·11	7·90	49
	Portland Bill	1016·2	55·0	61·6	52·2	[78]†	[1903]†	[43]†	[1903]†	10	34	1·33	—	—
	Dungeness	1015·8	56·2	62·8	51·7	76	1897, 1902, 03, 08, 14	37	1890, 91, 92, 93, 1909	11	40	1·56	—	—
	Dover	[1016·1]§	[56·8]§	[63·6]§	[50·3]§	[82]§	[1915]§	[38]§	[1911]§	[12]§	[54]§	[2·11]§	[7·57]§	[47]§
	Wick	1014·0	50·2	58·0	45·5	77	1887, 92	30	1881, 1903	16	46	1·80	—	—
	Nairn	1014·1	52·0	62·1	46·2	84	1888	30	1888, 1903	15	45	1·76	[5·57]‡	[32]‡
	Aberdeen	1014·7	53·0	59·9	47·0	80	1881, 87	30	1888	15	43	1·71	6·13	35
	Leith	1014·7	53·5	62·9	48·4	86	1887	34	1886	13	44	1·73	—	—
	Tynemouth	1015·1	53·2	60·7	47·8	80	1897	36	1907, 09	13	50	1·98	—	—
	Spurn Head	1015·0	54·4	60·9	50·6	83	1914	34	1881	12	39	1·53	[6·77]**	[41]**
	Yarmouth	1015·5	55·3	62·0	51·1	81	1888	37	1898	12	45	1·77	[7·27]§	[44]§
	Clacton-on-Sea	1015·9	56·1	63·5	50·9	[78]‡	[1903]‡	[38]‡	[1902]‡	10	40	1·58	7·33	45
	Nottingham	1015·6	54·2	66·7	48·8	88	1883	33	1906	13	49	1·93	5·87	35
	LONDON (Kew Obsy.)	1016·4	55·7	67·6	50·8	87	1900	38	1890, 92, 96	12	55	2·15	6·57	40

* Results for 30 years, 1886–1915.
† " 16 " 1900–1915.
‡ " 15 " 1901–1915.

‡ Results for 9 years, 1907–1915.
§ " 8 " 1908–1915.
‖ " 6 " 1910–1915.

¶ Results for 5 years, 1911–1915.
** " 2 " 1914–1915.

METEOROLOGICAL OFFICE,
South Kensington, London, S.W.
February, 1916.

AIR MINISTRY.

No. 77.

SUPPLEMENT TO THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT SELECTED STATIONS ISSUED ON THE 1st DAY OF EACH MONTH.

Notes on the Weather of MAY, 1923.

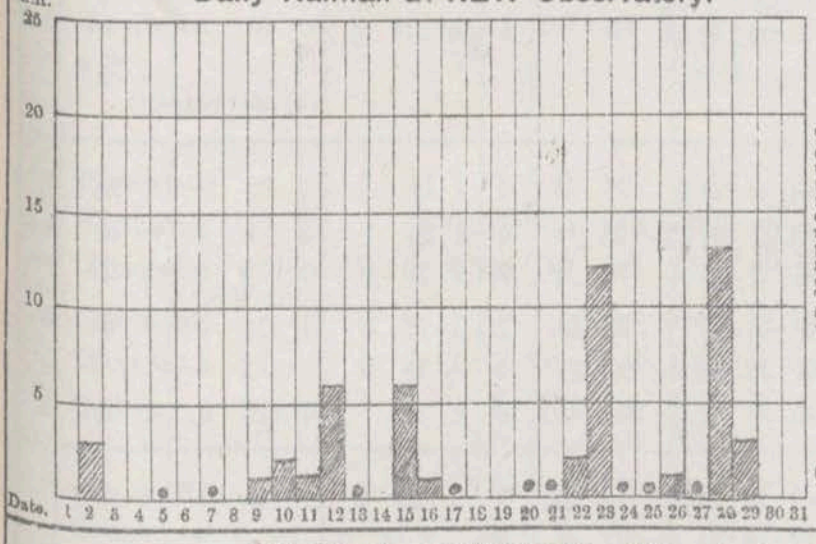
Apart from a few exceptionally warm days during the first week, May 1923 was a decidedly cool, almost wintry month. Temperature rose locally in the South to 75°-80°F. or even slightly higher between the 3rd and 5th but subsequently dropped 10° - 20° within a day or two and from the 9th onwards readings seldom exceeded 60° and in some instances remained below 50° throughout the day: Max. 49° at Kew on the 12th, 47° at Nottingham on the 23rd etc.

These cool conditions were occasioned by the frequency of depressions in the neighbourhood of the North Sea and high pressure westward of the British Isles. Resultant northerly winds over Great Britain were associated with showers of rain, hail and sleet or even snow at times. On the 16th snow was recorded as lying an inch deep at Buxton. Local thunderstorms also occurred repeatedly and were fairly general in London and SE. England on the 12th and 16th.

A trough of low pressure secondary to a depression over the North Sea lay across southern England on the 23rd and caused much rain in London but the heaviest falls of the month in this district were due to a depression over France on the 28th which developed during the night over Flanders and then moved westwards along the Channel on the 29th.

Total precipitation was generally below normal in Ireland but variable in England and Scotland. At Aberdeen the total amounted to 119mm while at Edinburgh (Inchkeith) the total was only 21mm. Sunshine was 35-40 hrs. below the average in London, Falmouth and Aberdeen.

Daily Rainfall at KEW Observatory.



TEMPERATURE.

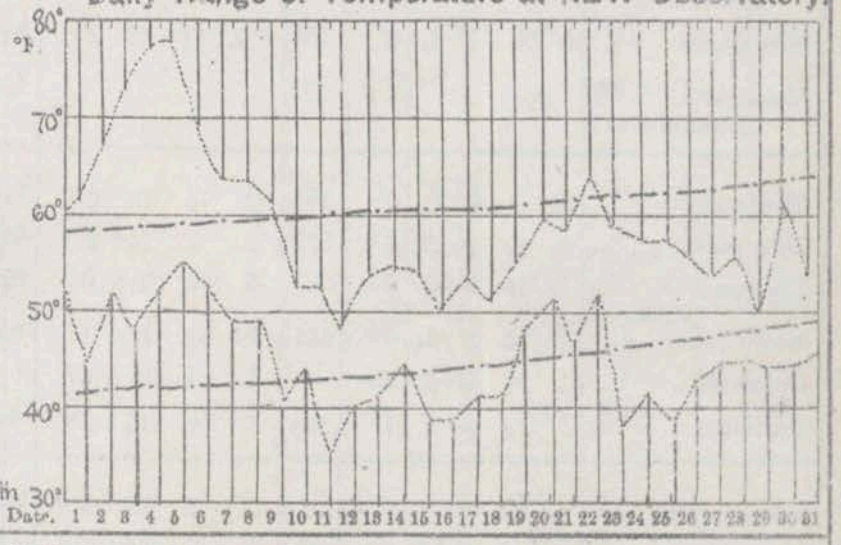
The pecked curves indicate the maximum temperature recorded each day, and the minimum temperature each night throughout the month. The chain lines show normal values.

RAINFALL.

* = less than 0·5 mm.

Total for month 51 mm.

Daily Range of Temperature at KEW Observatory.



SURFACE VISIBILITY. [No. of observations within fixed limits of telegraphic code.*]

STATIONS.	1H.										7H.										13H.										18H.									
	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9
Stornoway	0	0	0	0	1	25	5	0	0	0	0	0	0	0	0	2	9	17	3	0	0	0	0	0	0	1	11	14	5	0	0	0	0	0	0	0	12	16	3	0
Aberdeen	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	1	1	15	14	0	0	0	0	0	0	0	5	12	14	0	0	0	0	0	0	0	10	7	14	0
Edinburgh (Inchkeith) ...	0	0	0	0	0	0	0	5	21	5	0	0	0	0	0	0	4	11	16	0	0	0	0	0	0	1	0	9	21	0	0	0	0	0	0	0	0	8	21	2
Renfrew	*	*	*	*	*	*	*	*	*	*	0	0	0	0	1	4	7	10	8	1	0	0	0	0	0	0	8	7	14	2	0	0	0	0	0	1	3	12	14	1
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	0	0	0	0	1	0	9	10	11	0	0	0	0	0	0	1	4	14	12	0	0	0	0	0	0	0	6	14	17	0
Birr Castle	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	1	10	11	9	0	0	0	0	0	0	0	1	8	22	0	0	0	0	0	0	0	3	14	12	2
Valencia (Cahirciveen) ...	*	*	*	*	*	*	*	*	*	*																														
Tynemouth	0	0	0	0	0	0	17	14	0	0	0	0	1	0	0	2	20	7	1	0	0	0	0	0	0	2	14	14	1	0	0	0	0	0	0	0	21	10	0	0
Holyhead	0	0	0	1	1	0	3	2	23	1	0	0	0	1	0	1	0	6	21	2	0	0	0	0	0	1	3	2	20	5	0	0	0	1	0	0	2	7	16	5
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	0	0	0	0	3	4	0	8	15	1	0	0	0	1	0	0	5	8	14	3	0	0	0	0	0	3	1	7	13	7
Nottingham	*	*	*	*	*	*	*	*	*	*	0	0	1	0	1	7	16	6	0	0	0	0	0	0	0	3	7	16	5	0	0	0	0	0	0	4	7	18	2	6
Cranwell	0	0	0	0	1	1	14	14	1	0	0	0	0	0	0	3	16	8	4	0	0	0	0	0	0	0	9	9	13	0	0	0	0	0	0	3	5	11	15	0
Gorleston	0	0	0	0	0	0	4	20	7	0	0	0	0	0	0	1	23	6	1	0	0	0	0	0	0	3	17	11	0	0	0	0	0	0	0	3	15	12	1	0
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	0	0	0	0	1	4	4	5	9	8	0	0	0	0	0	1	6	4	7	13	0	0	0	0	0	0	6	5	10	10
Benson	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	8	10	12	1	0	0	0	0	0	0	1	8	19	3	0	0	0	0	0	0	1	10	11	3
London (Kew Obs.)	*	*	*	*	*	*	*	*	*	*	0	0	0	0	1	3	17	5	4	0	0	0	0	0	0	0	1	6	8	17	0	0	0	0	0	0	1	8	9	14	0
Croydon	0	0	0	1	0	0	13	14	3	0	0	0	1	1	0	2	14	9	4	0	0	0	0	0	0	0	2	7	11	11	0	0	0	0	0	0	2	6	11	12	0
Grain	*	*	*	*	*	*	*	*	*	*	0	0	0	0	1	4	9	9	7	1	0	0	0	0	0	0	3	5	23	0	0	0	0	0	0	0	3	7	20	1
Lympne	0	0	0	0	0	2	6	12	11	0	0	0	0	0	1	2	8	11	9	0	0	0	0	0	0	0	5	7	18	1	0	0	0	0	0	0	3	4	19	1
Falmouth (Pendennis) ...	0	1	0	0	0	0	2	19	9	0	0	0	0	0	0	1	4	17	10	0	0	0	0	0	0	0	1	7	23	0	0	0	0	0	0	0	3	9	19	0
Southampton (Calshot) ...	0	0	0	0	1	1	6	7	16	0	0	0	0	0	1	0	12	8	9	1	0	0	0	0	0	1	4	6	20	0	0	0	0	0	0	2	6	10	13	0

H.M.S.O. Press, Kingsway, W.C.2.

* See page 3, Daily Weather Report, British Section.

Pa 1924/739. Wt.III. A 8564/IIT 1080. 850. 6/23.

SUMMARY OF RECORDS OF TEMPERATURE, SUNSHINE,

Equivalents of Temperature. A°.	F°.
263·6	15
268·0	23
268·6	24
273·0	32
273·6	33
278·0	41
278·6	42
283·0	50

TEMPERATURE.

Number of daily readings within fixed limits.

† Maximum. 42 — 50 | 51 — 59 | 60 — 68 | 69 — 77 | 78 — 86

† Minimum. 24 — 32 | 33 — 41 | 42 — 50 | 51 — 59

Extremes—Warmest and Coldest.

	Normal Max.	Days. Highest Max.	Date.	Lowest Max.	Date.	Nights. Highest Min.	Date.	Lowest Min.	Date.	Normal Min.	Number of Ground Frosts.
	°F.	°F.		°F.		°F.		°F.		°F.	
Stornoway ...	53·7	54	4	45	{9 16 17}	48	4	32	10	41·3	*
Aberdeen ...	54·8	68	4	42	11	50	5	33	{10 11 23}	41·7	12
Edinburgh ... (Inchkeith)	*	57	{26 27}	43	11	54	2	35	10	*	2
Renfrew	*	61	{3 29}	43	11	49	5	29	10	*	11
Eskdalemuir ...	*	62	3	42	11	45	5	26	9	*	12
Dublin ... ... (Phœnix Park)	58·1	64	1	50	{13 14 30 31}	51	4	30	24	41·6	7
Birr Castle ...	59·8	64	29	43	{11 23}	51	{3 4}	31	7	42·7	7
Valencia ... ... (Cahirciveen)	57·9									46·5	
Tynemouth ...	54·9	67	4	44	11	49	{1 5}	35	13	42·4	0
Holyhead ...	56·0	64	3	48	{12 15 16}	48	{11 25}	35	12	45·6	0
Liverpool ... (Bidston)	58·2	68	3	46	11	49	{1 4}	36	17	45·3	0
Nottingham ...	60·4	73	3	47	23	52	1	32	24	43·2	2
Cranwell	*	73	4	45	23	52	1	31	24	*	3
Gorleston ...	55·9	78	4	49	27	52	{5 6}	32	16	45·2	3
Ross-on-Wye ...	63·0	74	3	49	28	51	{1 3 11}	34	{12 24}	43·6	5
Benson	*	76	4	49	29	52	6	27	12	*	10
London ... ... (Kew Obsy.)	61·7	78	5	49	12	56	6	35	12	45·0	3
Croydon	*	76	{4 5}	49	12	55	{4 16}	35	12	*	3
Grain	*	77	4	50	{10 12}	53	6	32	12	*	4
Lympne	*	76	5	48	12	54	4	33	12	*	6
Southampton ... (Calshot)	*	66	7	49	29	52	6	36	12	*	0
Falmouth ... (Pendennis)	*	60	3	49	28	52	3	36	12	*	*

LOW CLOUD.

Number of observations within fixed limits.

	7h. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	13h. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	18h. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.
Stornoway ...	15	14	1	14	12	1	14	16	0
Aberdeen ...	1	24	1	0	29	1	0	29	0
Edinburgh ... (Inchkeith)	*	*	*	*	*	*	*	*	*
Renfrew	0	25	5	0	25	5	1	22	4
Eskdalemuir ...	5	25	0	2	29	0	4	26	0
Dublin ... ... (Phœnix Park)	*	*	*	*	*	*	*	*	*
Birr Castle ...	2	28	0	0	31	0	1	29	0
Valencia ... ... (Cahirciveen)									
Tynemouth ...	1	24	1	0	29	0	1	26	0
Holyhead ...	3	26	1	3	26	2	4	19	2
Liverpool ... (Bidston)	1	29	0	2	29	0	0	27	0
Nottingham ...	3	25	0	3	27	0	2	26	0
Cranwell	4	19	3	2	29	0	1	27	2
Gorleston ...	0	16	7	0	24	3	0	20	6
Ross-on-Wye ...	2	20	2	0	26	2	0	29	1
Benson	*	*	*	*	*	*	*	*	*
London ... ... (Kew Obsy.)	0	27	0	0	28	0	0	25	3
Croydon	8	17	3	3	23	4	3	26	1
Grain	3	18	2	2	25	0	1	22	2
Lympne	11	10	5	3	25	0	2	25	5
Southampton ... (Calshot)	2	19	5	1	27	1	2	21	2
Falmouth ... (Pendennis)	1	29	1	0	29	2	0	23	6

UPPER AIR TEMPERATURE.

Pressure.	Normal Height.	Normal Temperature.	Leuchars. Mean.	Leuchars. No. of Reports.		Andover. Mean.	Andover. No. of Reports.
mb.	feet.	°F.	°F.		°F.	°F.	
950	1830	47	39	13	44	49	3
850	4730	38	29	13	33	37	3
750	8990	28	20	11	21	27	2
650	13,770	17	-	0	5	11	2
550	18,850	3	-	0	-	-	0

UPPER WINDS.

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

Station.	Renfrew. Height. Feet.	No. of Obs.	Under 10 m.p.h.	10–25 m.p.h.	26–45 m.p.h.	46–75 m.p.h.	Above 75 m.p.h.	Cattewater. No. of Obs.	Under 10 m.p.h.	10–25 m.p.h.	26–45 m.p.h.	46–75 m.p.h.	Above 75 m.p.h.	Lympne. No. of Obs.	Under 10 m.p.h.	10–25 m.p.h.	26–45 m.p.h.	46–75 m.p.h.	Above 75 m.p.h.
	2,000	31	8	17	6	-	-	26	8	16	2	-	-	67	18	36	13	-	-
	5,000	12	4	6	2	-	-	4	-	2	2	-	-	25	2	12	11	-	-
	10,000	2	-	1	1	-	-	1	-	1	-	-	-	3	-	-	3	-	-
	15,000	0	-	-	-	-	-	1	-	-	1	-	-	0	-	-	-	-	-

† Since March 1st, 1931, the readings used have (except in the case of Phœnix Park & Bidston) been the maximum for the period 7h.–18h., and the minimum for the period 18h.–7h. Previously the period was 7h.–7h. The normal values given above are based upon extremes taken over the 24 hours.

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

RAINFALL, HUMIDITY AND LOW CLOUD, ...MAY....., 1923.

Equivalents of Temperature. A°.	F°.	Sunshine. Number of Days with duration. Nil.	0·1—5h.	5·1—6h.	6·1—9h.	Above 9h.	Maximum Duration. Hours.	Date.	Total for past 12 months.	Difference from average.	Total for Month.	Difference from average.	Rainfall. Number of days with amount. 0, trace or 0·1 mm.	0·2—1 mm.	1·1—5 mm.	5·1—15 mm.	15·1—25 mm.	Above 25 mm.	Maximum fall in 24 hrs. mm.	Date.	Total for past 12 months.	Difference from Average.	Total for Month*	Difference from Average.	Days with Thunder.	Days with Snow or Sleet.
									hours.	hours.	hours.	hours.									mm.	mm.	mm.	mm.		
Stornoway ...	283·6 51	1	11	7	5	7	13·0	2	?1301	+42	?166	-25	8	3	16	4	0	0	13	12	?1105	-161	?82	+17	0	2
Aberdeen ...	288·0 59	0	9	15	5	4	14·2	4	1125	-253	147	-40	11	7	6	4	2	1	27	25	869	+121	119	+60	0	4
Edinburgh ... (Inchkeith)	288·6 60	1	7	12	6	15	14·2	21	1291	*	174	*	17	7	7	0	0	0	5	9	451	*	21	*	0	0
Renfrew	293·0 68	4	6	5	12	4	13·0	23	1075	*	170	*	14	9	6	2	0	0	12	14	791	*	38	*	1	2
Eskdalemuir ...	293·6 69	2	6	10	8	4	12·1	29	1167	*	149	*	11	3	12	3	2	0	20	14	1297	*	92	*	1	5
Dublin ... ... (Phœnix Park)	298·0 77	3	5	8	9	6	12·5	29	1286	-126	183	-22	13	9	5	4	0	0	14	22	641	-64	46	-7	1	3
Birr Castle ...	298·6 78	*	*	*	*	*	*	*	*	*	*	*	16	5	8	2	0	0	9	14	795	-34	34	+23	0	0
Valencia ... ... (Cahirciveen)	303·0 86								1185	-260	190	-13									*	*	43	-38		
Tynemouth ...		*	*	*	*	*	*	*	*	*	*	*	16	6	6	3	0	0	11	9	?679	+58	?50	-1	1	0
Holyhead ...		2	5	5	6	13	13·3	29	1497	*	222	*	16	6	8	1	0	0	11	22	782	-106	31	-19	0	1
Liverpool ... (Bidston)		0	9	5	9	8	14·1	8	1355	*	192	*	11	8	8	4	0	0	15	22	652	-57	70	+22	0	1
Nottingham ...		2	14	6	7	2	10·7	6	1045	-280	122	-60	14	11	3	2	1	0	18	22	655	+83	55	+7	2	0
Cranwell		2	9	6	7	7	12·0	4	1433	*	156	*	16	4	7	3	1	0	18	22	665	*	59	*	2	2
Gorleston ...		4	7	3	12	5	12·4	4	1583	*	169	*	17	6	7	1	0	0	5	27	617	-5	30	-14	3	1
Ross-on-Wye ...		1	10	3	9	8	12·9	4	1339	*	175	*	13	6	9	3	0	0	8	14	714	-4	41	-13	2	0
Benson		*	*	*	*	*	*	*	*	*	*	*	16	6	8	0	1	0	25	28	669	*	51	*	2	1
London ... ... (Kew Obsy.)		2	6	10	8	5	12·2	4	1272	-203	165	-36	14	7	7	3	0	0	13	28	577	-29	51	+7	2	0
Croydon		2	6	10	8	5	12·2	4	1320	*	158	*	15	6	7	2	1	0	19	29	704	*	63	*	2	0
Grain		0	15	6	9	3	13·6	24	1437	*	168	*	15	4	8	3	1	0	17	28	497	*	57	*	1	0
Lympne		1	11	4	10	5	12·2	24	1578	*	171	*	12	6	7	4	2	0	17	29	751	*	87	*	5	0
Southampton ... (Calshot)		1	10	5	4	11	13·7	30	1574	*	191	*	14	7	7	3	0	0	15	28	639	*	51	*	1	0
Falmouth ... Observatory		3	7	3	9	9	13·6	24	1563	-196	192	-39	9	8	8	6	0	0	13	14	1193	+86	79	+23	2	0

MINIMUM SURFACE HUMIDITY.

No. of Days with Minima between Fixed Limits.

Station.	95-100 %.	90-94 %.	80-89 %.	70-79 %.	60-69 %.	50-59 %.	40-49 %.	30-39 %.	20-29 %.
Aberdeen ...	1	3	4	6	7	6	0	1	0
Renfrew... ...	0	0	2	5	7	11	3	1	0
Eskdalemuir ...	0	0	1	4	9	15	2	0	0
Valencia... ...	0	0	2	6	19	4	0	0	0
Benson	0	0	2	5	3	13	8	0	0
London ... ... (Kew Obsy.)...	0	0	1	1	10	12	7	0	0
Falmouth ...	0	1	1	8	10	10	1	0	0

STATE OF GROUND AT 13 h.

No. of Days each type was recorded.

Station.	0	1	2	3	4	5	6	7	8	9
Aberdeen ...	19	8	4	0	0	0	0	0	0	0
Renfrew... ...	22	7	2	0	0	0	0	0	0	0
Eskdalemuir ...	18	11	2	0	0	0	0	0	0	0
Valencia ...	20	11	0	0	0	0	0	0	0	0
Benson	24	7	0	0	0	0	0	0	0	0
London ... ... (Kew Obsy.)	3	19	4	0	0	0	0	0	0	0
Falmouth ...	25	3	3	0	0	0	0	0	0	0

0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2 ins. deep).
4 = Bare ground frozen (but more than 2 ins. deep).
5 = Dew (or wet grass but not wet ground).
6 = Skating to-day in 1200 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7 = Snow (thin layer, often not continuous).
8 = Snow (deep, impeding traffic, usually a continuous layer).
9 = Glazed roads (ice on roads from frozen rain or melted snow).

NOTES ON CHART OF ISOPLETHS (p. 4).

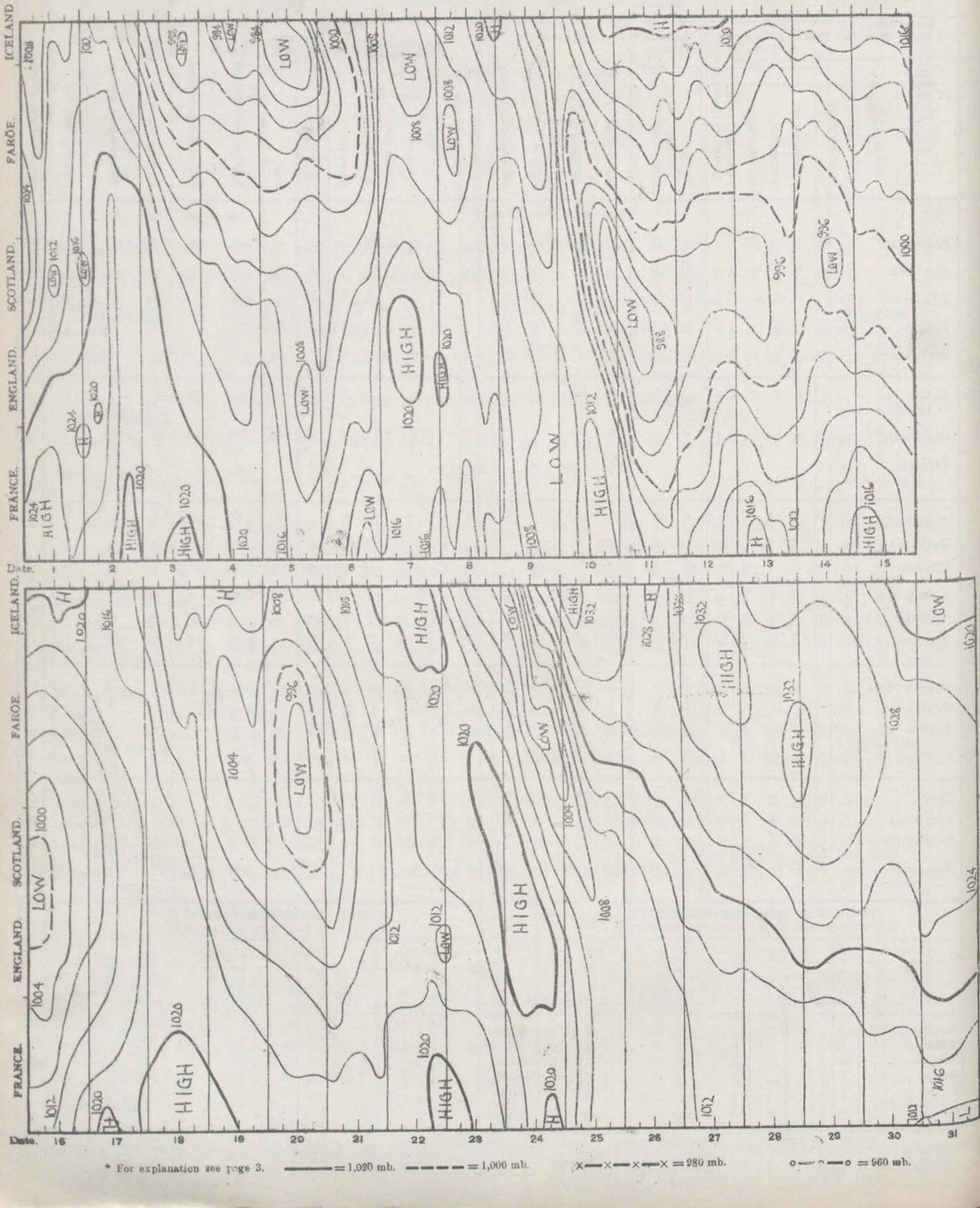
The diagram is obtained by drawing a line from Akureyri in Iceland to the South of France, near Marseilles. The points at which the isobars drawn for 4 mb pressure intervals intersect this line at 1h., 7h., 13h. and 18h. are plotted consecutively and joined to show the variation of pressure from day to day at any point in the line. The line terminates at Lat. 66° N., Long. 19° W. in the north, at Lat. 44° N., Long. 4° E. in the south.

* Based in part on reports made by telegraph in which the daily falls 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.

G. C. SIMPSON, F.R.S., *Director*.

PRESSURE: ICELAND TO GULF OF LIONS MAY 1923.

ISOPLETHS* BASED ON SIX-HOURLY OBSERVATIONS.



* For explanation see page 3. ——— = 1,020 mb. — — — = 1,000 mb. ×—×—×—×—× = 980 mb. o—o—o—o = 960 mb.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22440 Tuesday, 1st May 1923.

Observations at 1300 G.M.T. 30th April

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1003·8	+2	SW	1	bc	47	66	8	5700	Cu	3	ACu	4	·
Stornoway	999·9	-2	ESE	3	o+	48	75	6	4000	Nb	9	-	9	·
Wick	1001·4	*	SSE	1	c	46	85	8	4000	Cu	3	CiSt	7	·
Castlebay	997·9	-2	NNE	3	o/r	45	97	6	800	St	10	-	10	·
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1002·1	0	ESE	2	0	48	92	6	1500	St	10	-	10	1
Malin Head	999·4	-1	SW'W	4	o/r	55	92	8	4000	Nb	9	-	9	·
Renfrew	1001·8	-0	SW	3	od$_o$	52	92	5	800	Nb	10	-	10	·
Edinburgh(Inchkeith)	1002·2	0	WSW	2	o/m	50	92	7	-	CuNb	10	-	10	·
Leuchars	1001·4	0	ESE	1	0	46	92	7	800	St	10	-	10	1
Eskdalemuir	1003·7	+1	SSW	5	od$_o$	50	97	6	800	Nb	10	-	10	2
Tynemouth	1003·9	0	WSW	2	o/p	57	85	6	4000	Nb	10	-	10	·
Blacksod Point	1001·7	+1	SW	5	c	55	85	7	—	CuNb	9	-	8	·
Donaghadee	1003·8	0	SW	1	cd$_o$	56	92	8	2500	St	8	-	8	·
Birr Castle	1006·0	*	SW	2	od$_o$	56	92	7	1500	Nb	10	-	10	·
Holyhead	1008·3	+1	S'W	4	o	52	92	6	450	Nb	10	-	10	2
Liverpool (Bidston)	1007·8	+1	SW	4	o/r	55	85	8	1500	Nb	10	-	10	·
Chester (Shotwick)	1005·1	+2	WSW	4	0	56	75	8	1500	StCu	10	-	10	2
Spurn Head	1007·8	-1	SW	6	OEd$_o$	56	85	7	2500	Nb	10	-	10	·
Nottingham	1009·7	0	SW	4	o	58	75	7	2500	StCu	10	-	10	·
Cranwell	1010·2	0	SW	5	o	57	85	7	1500	St	10	-	10	1
Gorleston	1011·7	+1	WSW	4	od$_o$	59	75	6	2500	StCu	10	-	10	·
Valencia (Cahirciveen)	1008·5	+1	SW	5	o[illegible]	54	92	6	450	St	10	-	10	1
Roches Point	1010·3	0	WSW	5	od[illegible]	52	97	6	1500	Nb	10	-	10	·
Pembroke(St.Ann's H.)	1012·6	0	SW'W	6	o/r	50	97	6	1500	St	10	-	10	·
Ross-on-Wye	1013·0	+1	WSW	5	0	55	75	7	4000	Cu	9	Ci	10	0
Benson	1013·6	+1	WSW	5	0	59	75	8	*	Cu	10	-	10	0
Andover	1015·4	0	SW'W	5	0	56	75	7	800	StCu	10	-	10	1
S. Farnborough	1014·6	+1	SW	4	c-	59	75	7	2500	StCu	7	ACu	8	1
London (Kew Obsy.)	1014·9	+1	SW	4	0	57	75	8	2500	StCu	7	ASt	10	1
Croydon	1013·0	+1	SW	4	0	56	85	7	1500	Nb	10	-	10	1
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1014·0	+1	WSW	3	od$_o$	57	75	6	2500	St	10	-	10	*
Grain	1014·8	+2	WSW	5	0	56	85	7	1500	St	10	-	10	0
Lympne	1016·1	+2	WSW	7	0	55	85	7	800	St	10	-	10	1
Scilly (St. Mary's)	1016·2	0	SW'W	5	0	53	92	6	4000	StCu	10	-	10	·
Falmouth (Pendennis)	1016·3	0	WSW	7	o/r	53	92	5	2500	CuNb	10	-	10	·
Plymouth(Cattewater)	1016·9	+2	SW	5	o[illegible]	51	97	6	<150	Nb	10	-	10	1
Portland Bill	1016·6	+2	WSW	6	0	50	92	7	2500	St	10	-	10	·
Southampton(Calshot)	1016·8	+1	SW	6	0	53	85	7	800	St	10	-	10	0
Dungeness	1016·7	+2	WSW	5	0	54	85	7	1500	St	10	-	10	·
Jersey	1020·4	+1	WNW	4	0	57	75	8	4000	StCu	10	-	10	·

Observations at 1800 G.M.T. 30th April.

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1003·7	+1	SW	1	cph	45	75	8	4000	Nb	4	ASt	8	0
Stornoway	997·2	-4	ENE	3	o[illegible]	44	92	6	450	St	10	-	10	2
Wick	999·3	-3	E	2	o/r	42	92	8	2500	Nb	4	ASt	10	0
Castlebay	997·0	0	S'W	5	c/r	49	75	7	1500	St	7	-	7	4
Nairn	996·9	*	E	1	o/r	46	97	7	1500	St	9	-	9	·
Aberdeen	999·2	-4	S	2	o[illegible]	46	97	5	1500	Nb	10	-	10	0
Malin Head	1000·7	+2	WSW	6	b/r	51	75	8	5700	CuNb	2	ACu	3	4
Renfrew	1001·2	0	W	5	o[illegible]	53	92	8	2500	St	9	-	9	·
Edinburgh(Inchkeith)	999·6	-3	SW	4	o/p	53	85	7	*	CuNb	9	-	9	3
Leuchars	998·8	-4	SW	3	e/r	56	85	7	800	StCu	8	-	8	·
Eskdalemuir	1003·4	0	SW	5	o/r	50	97	6	450	St	10	-	10	0
Tynemouth	1003·3	0	WSW	3	bc	58	85	6	4000	CuNb	2	CiCu	4	0
Blacksod Point	1004·2	+2	SW	5	be	50	92	7	—	CuNb	6	—	6	3
Donaghadee	1003·7	0	WSW	4	Ci	60	75	8	1500	Cu	8	-	8	·
Birr Castle	1002·2	*	W	4	bc	55	75	7	1500	Cu	5	-	5	4
Holyhead	1008·5	0	SSW	5	o/r	51	92	7	<150	St	10	-	10	5
Liverpool (Bidston)	1008·0	+1	SW	4	bc	55	75	8	2500	StCu	3	Ci	6	·
Chester (Shotwick)	1008·8	0	SW	5	c/r	56	75	8	1500	St	7	-	7	·
Spurn Head	1008·5	+1	SW	5	0	57	75	7	4000	Cu	9	-	9	4
Nottingham	1010·5	+1	WSW	5	0	56	85	7	2500	StCu	10	-	10	5
Cranwell	1011·0	+1	SW	4	0	57	75	7	2500	StCu	10	-	10	·
Gorleston	1012·8	+1	SW	4	bc	60	65	7	4000	Cu	5	-	5	1
Valencia (Cahirciveen)	1009·9	+1	SW	4	0	54	85	6	800	St	7	ASt	9	3
Roches Point	1011·2	0	WSW	5	od[illegible]	51	97	5	1500	Nb	10	-	10	6
Pembroke(St.Ann's H.)	1013·2	+1	SW'W	6	0	50	97	6	1500	St	10	-	10	4
Ross-on-Wye	1013·8	+1	SW	5	0	53	85	7	2500	StCu	10	-	10	·
Benson	1013·6	+1	SSW	5	0	55	92	7	*	St	10	-	10	·
Andover	1016·6	+1	SW	5	0	52	92	7	800	St	10	-	10	·
S. Farnborough	1016·1	+2	SW	4	0	56	75	8	2500	StCu	10	-	10	·
London (Kew Obsy.)	1015·9	+1	SW	4	0	56	75	7	1500	StCu	10	-	10	·
Croydon	1016·3	+2	SW	4	0	54	85	7	1500	StCu	10	-	10	·
Clacton-on-Sea	1014·6	+1	SW	5	0	56	85	7	2500	Nb	7	-	7	1
Shoeburyness	1015·0	+1	W	5	0	55	85	6	2500	StCu	8	-	8	0
Grain	1016·1	+2	SW	6	0	55	85	7	2500	StCu	8	-	8	·
Lympne	1017·4	+1	WSW	6	0	52	85	7	800	St	10	-	10	·
Scilly (St. Mary's)	1017·3	+1	SW	5	0	52	92	6	4000	StCu	10	-	10	·
Falmouth (Pendennis)	1017·6	+1	WSW	6	0/r	52	92	7	2500	StCu	10	-	10	·
Plymouth(Cattewater)	1017·8	+1	SW	5	0[illegible]	51	97	7	800	St	10	-	10	·
Portland Bill	1016·9	+1	SW'W	6	0[illegible]	48	92	6	450	St	10	-	10	·
Southampton(Calshot)	1017·9	+1	SW'W	6	0[illegible]	52	92	7	800	St	10	-	10	·
Dungeness	1017·7	+1	WSW	7	0[illegible]	52	92	7	1500	St	8	-	8	·
Jersey	1020·9	+1	WNW	4	0	55	85	8	4000	StCu	10	-	10	·

LONDON OBSERVATIONS.

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperatures. Max. °F.	Temperatures. Min. °F.	Min. on Grass. °F.	Rain-fall mm. Day.	Rain-fall mm. Night.	Sunshine to Sunset hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 Hours ended 0900 G.M.T. 1st May								Yesterday.		To-day.
Kew	00	0	00	*	*	31	-	Tra	0.3	*	*
Croydon	om 0	0	co.od$_o$	*	*	47	-	Tra	0.5	*	*
Greenwich (Royal Obsy.)	01d	0	od	62	51	47	Tr	-	0.4	75	96
City (Bunhill Row)	*	*	*	*	*	*	*	-	0.3	*	*
Westminster (St. James' Pk.)	*	*	*	60	52	*	-	-	0.3	72	74
Regent's Pk. (Botanic Gdns.)	*	*	*	*	*	*	*	-	0.2	*	*
Camden Square	0x	0	*	60	51	51	Tr	-	*	*	77
Kensington Palace	0	0	*	60	50	50	-	-	*	80(18h)	44
Hampstead Observatory	*	*	*	57	50	46	-	-	0.4	*	80

ATMOSPHERIC POLLUTION.
Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T. 30th

South Kensington

Max.	Time.	Min.	Time.
0.3	29th 17h	<0.3	30th 0-5h
0.3	30th 11h		

Kew Observatory

Max.	Time.	Min.	Time.
0.4	29th 09h	<0.3	30th 3-5h
0.5	30th 6h		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 30th 20h 30m. to 1st 03h 30m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	7.0	1. 8.	16
δ Ursae Minoris	7.0	0.45	11

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.†

Time.	Type.	No. per hour.	Stren.	Direc.
13h.	C	6	-	175
18h.	C, C$_2$	6	-	145
01h.	C	6	8	100
07h.	C	6	-	120

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

Wednesday, 2nd May, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4.24	11.50	7.16
	4.22	11.50	7.18
Greenwich	4.34	11.57	7.20
	4.32	11.57	7.22
Wick	4.20	12.3	7.50
	4.18	12.5	7.52
Valencia	6.13	12.38	8.2
	5.11	12.38	8.4

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
p precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
v unusual visibility. y dry air.
z dust haze: the turbid atmosphere of dry weather.

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; i = intermittent; - = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail".
Capital letters indicate intense, suffix o indicates slight, and repetition of letters continuity, thus :—
R = heavy rain.
rr = continuous moderate rain.
r$_o$r$_o$ = continuous light rain.

BEAUFORT SCALE of WIND

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

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

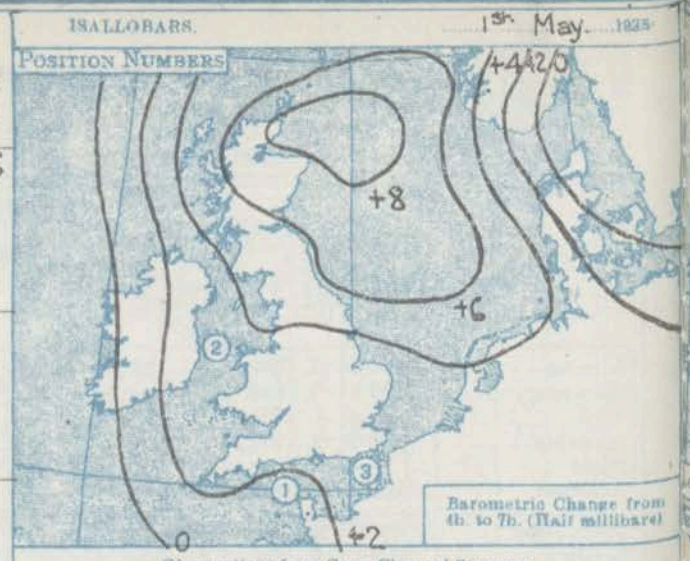
SEA DISTURBANCE.

0=no swell } Calm or slight sea.
1=mod. swell }
2=heavy swell }
3=no swell } Moderate sea.
4=mod. swell }
5=heavy swell }
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

† For explanation see Introduction. ‡ Information for these columns not usually received. § The barometric change is expressed in half millibars. ¶ For Code see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 30th	13h.-18h. 30th	18h. 30th to 1h. 1st	1h.-7h. 1st	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS	RAINFALL† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 30th Hours.
Lerwick	bc	bc	c	b	51	37	.	-	3	-	<2100	11·6
Stornoway	b.bc	r·d	c	bc	50	36	.	3	8	-		5·4
Wick	b.bc	corro	orro	oo	47	39	.	3	9	1530	<2100	.
Castlebay	oRro	orroc	co	obo	49	42	.	5	0.2	-	-	0.4
Nairn	dcg	R.r.c	r.r.o	r.r.o	49	40	.	7	4	1330	<2100	0.4
Aberdeen	romdo	omir.	ormob	bo[illegible]	48	42	36	1	0.3	<0800	<2100	0.1
Malin Head	oirv	cir	bc	o	55	46	.	3	-	0900	-	3·7
Renfrew	omido	omirq	ocq	co	56	47	43	3	Trace	0900	-	1·6
Edinburgh(Inchkeith)	ir.m	p	bcq	c	55	46	42	2	Trace	<0800	<2100	0·7
Leuchars	d.ob	odrpr	obobr.	oo	56	41	39	1	0.1	<0800	2200	1·1
Eskdalemuir	oido	oidgom	omid	obcc	52	43	41	2	2	<0800	<2100	0.0
Tynemouth	mp.	bbcm	q	bbcm	60	49	41	02	-	<0800	-	.
Blacksod Point	c											.
Donaghadee	op	cq	b	bc	61	46	.	1	-	<0800	-	.
Birr Castle	orid.	oid.c	co		58	48	40	3	-	<0800	-	.
Holyhead	orrm	oirm	oom	or.fe	52	48	48	4	0.6	<0800	0330	0.0
Liverpool (Bidston)	r.d	oc	r.d	r.d	58	49	48	2	2/3	<0800	0130	0·8
Chester (Shotwick)	or.iro	oprr.q	oq	oirdd	60	52	50	1	1	<0800	-	2·4
Spurn Head	oir.	c	c	o	58	52	.	trace	-	<0800	-	1·0
Nottingham	or.	oop.	ob.	oo	59	52	50	0.3	Trace	<0800	<2100	0.1
Cranwell	or.p.	oo	ob	o	60	52	49	trace	-	0900	-	1·0
Gorleston	odq	ocbcq	oq	oc	62	52	51	trace	-	1100	-	1·6
Valencia (Cahirciveen)	oir.m	ompo	oc	oc	55	49	45	1	-	0900	-	0·2
Roches Point	d.d.o.m	dod.zm	d.d.o.zn	d.d.o.c	53	50		0.6	2			
Pembroke(St.Ann's H.)	omdom	m	r·d	oi[illegible]pd	52	49	.	04	0.6	<0800	0130	0.0
Ross-on-Wye	ogco	cq.oq	oq	oq	58	51	51	-	-	-	-	0.6
Benson	do	oo	oc	oj	60	51	48	-	Trace	-	-	.
Andover	oo	o	o	oogg	58	50	49	-	0.1	-	0430	0.2
S. Farnborough	oc	co	o	oor.	60	50	49	-	0.1	-	0530	0·8
London (Kew Obsy.)	oo	o	oo	co	59	52	51	-	Trace	-	-	0·3
Croydon	omo	o	oco	od.	59	51	47	-	Trace	-	0630	0.5
Clacton-on-Sea	oro	oc	c	co	58	51	48	1	-	0900	-	0·8
Shoeburyness	oid	oid.c	cbcb	bbcco	60	51	48	trace	-	<0800	-	1·7
Grain	omid	obcc	coo	oo	59	51	47	trace	-	1230	-	1·2
Lympne	omr.	oo	oo	od.d.	55	49	47	trace	Trace	<0800	0530	0.2
Scilly (St. Mary's)	omq	omq	omq	omqd.	54	49	.	-	0.1	-	0230	0.1
Falmouth (Pendennis)	bcomd	omdom	omd	omd	54	50	.	trace	0.3	1230	<2100	1·1
Plymouth(Cattewater)	orero	oro	ord	odam	52	50	49	0.1	1	1100	<2100	0.0
Portland Bill	oco	oo	ob	obo	51	45		-	0.1	-	0130	.
Southampton(Calshot)	oo	oo	oir.	oid.	54	50	48	-	Trace	-	<2100	0.6
Dungeness	c	cq	cq	c	55	50	.	-	Trace	-	0630	.
Jersey	oco	o	o	oc	60	48	.	-	-	-	-	0·8



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	30th 1000	Cambria	SSW	4	O	51	49	7
3	1st 0300	Brighton	WSW	5	O	53	52	8

GENERAL INFERENCE.

A general rise of pressure is taking place, most marked over Scotland, and winds will decrease over England, and remain light or moderate farther north. Weather will be cloudy with fair periods, and precipitation will be confined to occasional local showers.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday, 1st May, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales	Wind southwesterly, moderate to light; cloudy at times, fair periods; local showers; visibility moderate or good; rather mild.	Mainly fair but occasional showers not improbable.
8. N.W. England 9. N. Midlands 10. N.E. England	Wind SW. to indefinite, light or moderate; mainly fair, cloudy periods, local showers; visibility good; moderate temperature.	
11. E. Scotland 12. S.W. Scotland	Wind indefinite, light; mainly fair, cloudy at times with local showers; visibility good; moderate day temperature, ground frost locally at night.	
13. Isle of Man	As 8 to 10.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	As 11 and 12.	
17. N.W. Ireland 18. N.E. Ireland	As 8 to 10.	
19. S.E. Ireland 20. S.W. Ireland	As 1 to 7.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0910. G.M.T. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.

SYNOPTIC CHART FOR MORNING OF TUESDAY, MAY 1ST, 1923

Scale - 1:10,000,000

Nautical Miles. 100 0 100 200

Statute Miles. 100 0 100 200

1010 L 2 36 O'cast

2 36 O'cast

Bar. Changes

0 30 Cloudy

5 39 O'cast

Slight.

HIGH

37 Cloudy 5

Showers 21

34 Fine 27

10 32 Cloudy

0 32 Fine

10 41 Fine

Barometer Rising

41 Fine 10

LOW 48 Cloudy 1000

27

45 Fine 10

1008

5 44 O'cast

Briskly.

49 Cloudy

LOW

15

10 48 O'cast

21 46 O'cast 1008

1002 1004 1006 1010 1012 1014 1016 1018 1020 1022 1024 1026

2 50 Fair

52 Fair 2

49 Fog 15

55 O'cast

Rising

21 50 O'cast

Barometer

15 53 O'cast

21 49 O'cast

15 54 O'cast

15 54 O'cast

51 Drizzle 10

10 52 Cloudy

10 57 Fine

57 Cloudy 0

Slowly.

48 2 Fine

2 50 Fine

48 2 Fine

50 2 Fine

HIGH

2 63 Fine

57 Fine 2

57 Fine 0

Low Cloud.

TEMPERATURE WEATHER, SEA.

EXPLANATION

BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. Direction is shown by arrows flying with the wind. Force, on the scale 0–12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles

TEMPERATURE is given in ° F

WEATHER SYMBOLS: ○ clear sky. ◔ sky ¼ clouded; ◑ sky ½ clouded; ◕ sky ¾ clouded; ● overcast sky; R rain falling; * snow; ▲ hail; ≡ fog; =° mist; T thunderstorm.

SEA DISTURBANCE: ~~~ Rough. ≈≈≈ High.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

0.	Dense fog. Objects not visible at	55	yards
1.	Rather thick fog " "	220	"
2.	Very bad " "	550	"
3.	Bad " "	1,100	"
4.	Very poor " "	1¼	miles.
5.	Poor " "	2½	"
6.	Moderate " "	5½	"
7.	Good " "	13	"
8.	Very good " "	31	"
9.	Excellent. " beyond	31	"

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4. BRITISH SECTION.....Tuesday 1st May.....1923. No. 121...

Observations at 0100 G.M.T.....1st May.

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility† 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1003.9	0	NNE	3	bc	42	85	8	-	-	0	ACu	5	.
Stornoway	1002.1	+6	ENE	4	0	.	.	5	.	.	.	.	.	.
Wick	1002.5	+6	N	2	0	41	92	8	1500	StCu	10	-	10	.
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1006.1	+4	WSW	5	o+	49	85	8	5/00	StCu	7	ACu	9	.
Renfrew	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	1003.8	+4	WSW	6	bc+	48	85	8	-	StCu	4	-	4	.
Leuchars	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	1006.0	+2	WSW	5	b	52	85	7	-	-	0	-	0	.
Blacksod Point ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lonsaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	1011.5	+2	SW'S	4	0	50	97	6	800	St	10	-	10	.
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1010.7	+1	SW	7	c	53	85	4	2500	StCu	8	-	8	.
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1013.1	+3	SW	5	0	53	85	4	2500	StCu	10	-	10	.
Gorleston	1014.7	+1	SW	5	0	55	85	8	4000	StCu	10	-	10	.
Valencia (Cahirciveen)	1012.0	+2	SW	4	c	50	97	8	-	-	0	ACu	8	.
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1014.6	+2	SW	5	ac	49	97	6	450	St	10	-	10	.
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)...	*	*	*	*	*	52	*	*	*	*	*	*	*	*
Croydon	1018.1	+2	SW	4	0	51	85	7	800	St	10	-	10	.
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1019.2	+1	SW'N	5	0	50	92	7	1500	St	10	-	10	.
Scilly (St. Mary's) ...	1015.5	+1	SW	5	0	51	97	7	4000	StCu	6	-	10	.
Falmouth (Pendennis)	1018.4	0	WSW	6	o/r	51	97	6	2500	StCu	10	-	10	.
Plymouth (Cattewater)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1019.4	+3	WSW	6	obr.	47	92	6	450	St	10	-	10	.
Southampton (Ca.shot)	1019.3	0	SW	5	or.	51	92	8	800	St	10	-	10	.
Dungeness	1019.4	+3	W	6	c	50	97	8	4000	Cu	7	-	7	.
Jersey 7h }														
Guernsey 1h }														

Observations at 0700 G.M.T.....1st May.....

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility† 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1010.0	+5	NNE	3	b	41	75	8	-	-	0	ACu	1	2
Stornoway	1008.9	+5	ENE	3	b	45	88	7	4000	Cu	2	-	2	2
Wick	1008.9	+3	NW	1	0	42	97	8	4000	CuNb	5	ACu	9	2
Castlebay	1009.0	+5	NE	2	0	44	85	7	2500	St	10	-	10	2
Nairn	1009.4	-	-	0	0	41	97	7	2500	Nb	10	-	10	2
Aberdeen	1009.7	+6	N	2	0	44	92	7	1500	St	10	-	10	2
Malin Head	1009.2	+2	SW	4	c	49	85	8	5/00	StCu	3	ACu	7	4
Renfrew	1009.8	+4	SW	3	o	48	85	7	2500	StCu	3	-	3	3
Edinburgh (Inchkeith)	1009.4	+4	WSW	5	o	47	85	7	-	StCu	3	-	3	3
Leuchars	1008.4	+6	WSW	4	o	48	85	7	4000	StCu	2	-	2	3
Eskdalemuir	1010.5	+4	SW'W	6	bc	46	85	7	1500	Cu	2	Ci	5	0
Tynemouth	1012.1	+6	E	1	bc	50	85	8	4000	Nb	6	-	6	0
Blacksod Point ...	1012.2	+3	SW	2	c+	49	92	8	4000	St	8	-	8	2
Lonsaghadee	1013.3	-	S	1	bc+	52	85	7	4000	StCu	3	ACu	6	3
Birr Castle	1014.5	+3	S'W	4	o	49	97	7	<150	St	10	-	10	3
Holyhead	1015.0	+2	WSW	3	o	50	97	5	1500	CuNb	10	-	10	0
Liverpool (Bidston) ...	1014.6	+5	WSW	4	o	54	75	8	1500	St	10	-	10	0
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1014.7	+4	SW	4	o	53	85	5	800	Nb	10	-	10	4
Nottingham	1014.7	+3	WSW	4	o	55	85	6	1500	Nb	10	-	10	4
Cranwell	1015.5	+3	SW	4	o	54	85	8	1500	St	10	-	10	4
Gorleston	1017.4	+3	SW	4	o	53	85	6	5/00	StCu	10	-	10	4
Valencia (Cahirciveen)	1014.3	+4	S	2	c+	51	97	7	1500	StCu	7	ASt	8	3
Roches Point	1010.5	+3	SW	3	c-	50	97	8	450	StCu	7	ACu	8	3
Pembroke (St. Ann's H.)	1017.0	+2	SW	5	o/r	49	97	6	1500	St	10	-	10	6
Ross-on-Wye	1017.2	+3	SW	4	o	53	85	7	2500	St	10	-	10	4
Benson...	1015.6	+2	SSW	5	c	54	85	8	-	Cu	4	ACu	7	4
Andover	1020.4	+2	SW'S	5	o/r	51	97	8	800	Nb	10	-	10	4
S. Farnborough ...	1019.6	+2	SW	3	o	52	92	7	1500	Nb	10	-	10	4
London (Kew Obsy.)...	1019.9	+2	SSW	4	c	54	85	7	1500	StCu	10	-	10	4
Croydon	1019.5	+2	SW	3	o/r	52	85	7	800	Nb	10	-	10	4
Clacton-on-Sea ...	1019.2	+3	SW	3	o	52	92	7	4000	St	10	-	10	0
Shoeburyness	1019.9	+3	WSW	4	o	53	85	7	1500	StCu	10	-	10	0
Grain	1020.0	+4	WSW	4	o	53	85	8	2500	StCu	10	-	10	0
Lympne	1021.4	+3	SW'W	4	o	50	92	7	450	Nb	10	-	10	0
Scilly (St. Mary's) ...	1019.2	+2	SW	3	o	51	97	6	4000	StCu	10	-	10	5
Falmouth (Pendennis)	1019.8	+1	WSW	3	o	51	92	6	2500	Nb	10	-	10	5
Plymouth (Cattewater)	1020.7	+2	SW	3	o	50	97	5	<150	Nb	10	-	10	4
Portland Bill	1020.7	+2	WSW	6	o/r	50	92	6	1500	StCu	10	-	10	0
Southampton (Ca.shot)	1021.0	+2	WSW	3	o	52	92	6	800	St	10	-	10	3
Dungeness	1021.2	+3	WSW	5	o	52	85	8	2500	St	10	-	10	3
Jersey 7h }	1023.1	+1	S	3	c	52	85	8	-	-	0	ACu	7	3
Guernsey 1h }														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR...30th April.

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 29th. °F.	Temperature. Max. Day. 30th. °F.	Rainfall.† Night 17h.-9h. 29th.-30th. mm.	Rainfall.† Day 9h.-17h. 30th. mm.	Sunshine. Sunrise to 17h. 30th. hr.	Sunshine. Sunrise to Sunset. 29th. hr.
Montrose	*	*	42	48	1	1	0·2	11·6
Llandudno	roc	cpc	47	56	3	3	2·2	8·3
Colwyn Bay ...	rc	pc	47	58	3	3	0·9	6·5
Rhyl...	bc	cbc	47	58	2	1	1·6	8·5
Southport	rro	opoc	46	55	3	3	0·2	10·0
Blackpool	or	o	45	52	3	5	0·0	10·7
Ilkley	omdo	pmpc	43	56	2	3	0·1	8·9
Harrogate	oro	oc	42	57	1	2	0·0	9·9
Skegness	o	o	46	61	-	-	1·1	9·1
Aberystwyth ...	roc	o	48	52	4	-	0·0	7·5
Bath	oc	co	48	59	1	0·3	0·6	5·8
Leamington Spa ...	oe	o	48	60	1	-	0·3	2·7
Lowestoft	oc	oc	48	62	-	-	1·8	2·0
Felixstowe	omp	ocbcm	47	59	0·2	0·3	1·3	1·4
Southend	opo	ocbc	48	58	-	0·1	1·3	1·1
Ilfracombe	ocm	om	49	53	1	0·1	0·6	7·6
Bude	mdomd	mdomd	50	54	-	-	0·0	3·2
Penzance	oc	o	50	55	0·3	-	0·0	0·9
Paignton	od	od	51	56	-	-	0·5	0·0
Torquay	c	c	51	55	-	-	0·0	0·2
Weymouth	oc	co	49	55	0·2	-	0·1	1·6
Bournemouth ...	o	o	48	57	-	-	0·7	1·5
Portsmouth (S'thsea)	oc	o	50	56	-	-	0·6	1·3
Worthing	o	o	49	55	-	-	0·2	0·0
Brighton	o	o	49	53	-	-	0·0	0·0
Eastbourne... ...	o	o	48	55	-	-	0·3	0·0
Hastings	o	obcco	48	54	0·2	-	0·1	0·0
Folkestone	o	o	41	54	0·2	-	0·0	0·0
Tunbridge Wells ...	o	oco	48	57	-	-	0·3	0·0
Ramsgate	ocrbc	bcbbc	46	58	1	-	0·0	0·3
Margate	o	oc	46	60	-	-	0·7	0·4
Deal	ocbc	bcbc	48	59	0·3	-	2·0	0·1

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. ‡ For notice see page 1. ‡ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22441 Wednesday, 2nd May, 1923.

Observations at 1300 G.M.T. 1st

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1014·2	+5	NNW	2	bc	45	65	8	-	-	0	Acu	4	•
Stornoway	1012·4	+4	ENE	4	c+	47	85	6	450	St	10	·	10	•
Wick	1013·9	+6	ENE	3	c	45	85	8	5700	StCu	6	Ci	9	•
Castlebay	1011·6	+1	NE	2	opr	48	85	8	1500	St	10	·	10	•
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1014·4	+3	ENE	2	bc	51	85	8	2500	Cu	1	Acu	4	0
Malin Head	1011·8	+3	W	5	bc/r	53	75	9	5700	CuNb	5	CiCu	6	•
Renfrew	1014·1	+4	SW	4	od	53	75	7	2500	Nb	10	·	10	1
Edinburgh(Inchkeith)	1013·0	+2	W	4	o	52	65	7	*	StCu	5	ASt	10	•
Leuchars	1012·9	+3	E	1	o/c	48	92	5	2500	StCu	9	·	9	1
Eskdalemuir	1014·3	+3	SW	5	6	52	75	7	1500	StCu	9	·	9	0
Tynemouth	1015·2	+2	W	1	0	57	75	6	4000	StCu	10	·	10	•
Blacksod Point ...	1013·2	+2	SWS	5	c	54	85	8	—	CuNb	8	—	8	•
Donaghadee	1014·7	+2	WSW	4	c-	58	75	8	2500	Cu	7	·	7	•
Birr Castle	1015·9	*	SW	1	c+	58	75	8	4000	StCu	8	·	8	•
Holyhead	1017·7	+3	SW	5	c+	54	85	8	800	Cu	2	ACu	7	1
Liverpool (Bidston) ...	1017·7	+2	SW	3	bc-	57	75	8	2500	Cu	6	·	6	•
Chester (Shotwick) ...	1018·0	+3	SW	4	0	57	75	8	2500	StCu	8	ACu	9	1
Spurn Head	1018·6	+4	WSW	2	od	52	92	5	800	Nb	10	·	10	•
Nottingham	1018·9	+3	WSW	3	odg	57	85	6	1500	Nb	10	·	10	•
Cranwell	1019·3	+3	WSW	4	0	58	75	7	4000	StCu	10	·	10	•
Gorleston	1020·1	+2	SW	4	c-	63	65	6	4000	StCu	8	·	8	•
Valencia (Cahirciveen)	1017·6	+3	SW	4	c	56	85	8	1500	StCu	7	-	7	1
Roches Point	1017·4	+1	SW	1	bc	55	85	8	-	CuCu	4	·	4	•
Pembroke(St.Ann's H.)	1019·3	+3	SSW	4	cd	50	97	6	1500	St	10	·	10	•
Ross-on-Wye	1020·3	+3	SW	4	o	55	75	8	4000	StCu	8	Ci	9	0
Benson...	1021·7	+2	SW	4	0	57	75	8	-	Cu	10	-	10	0
Andover	1022·2	+1	SW	4	0	57	83	8	2500	StCu	10	·	10	1
S. Farnborough ...	1022·2	+3	SW	3	0	57	75	7	2500	StCu	10	·	10	1
London (Kew Obsy.) ...	1022·4	+2	SW	4	0	59	75	8	2500	StCu	10	·	10	1
Croydon	1022·6	+3	SW	3	0	56	85	7	1500	StCu	10	·	10	0
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1022·4	+3	SW	3	0	57	75	7	1500	StCu	7	ASt	10	•
Grain	1022·8	+3	SSW	4	0	57	92	3	2500	StCu	10	·	10	0
Lympne	1023·3	+1	SW	5	0	54	85	8	1500	StCu	10	·	10	0
Scilly (St. Mary's) ...	1021·2	+2	S	3	c+	55	85	7	4000	StCu	8	·	8	•
Falmouth (Pendennis)	1022·1	+1	SSW	4	b/r	53	75	8	4000	Cu	3	·	3	•
Plymouth(Cattewater)	1022·5	+1	SSW	2	0	53	92	6	450	St	10	·	10	2
Portland Bill	1023·0	+3	WSW	5	bc-	53	92	7	-	·	0	CiCu	4	•
Southampton(Calshot)	1023·8	+2	SW	4	0	55	85	8	2500	St	3	ACu	10	0
Dungeness	1023·6	+3	WSW	5	c	53	85	8	·	·	0	Ci	7	•
Jersey	1024·1	0	SE	3	bc	59	75	8	-	-	0	CiSt	4	•

Observations at 1800 G.M.T. 1st

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sol. 0-9
Lerwick	1016·3	+3	NW	2	bc	44	68	8	-	-	0	ASt	4	1
Stornoway	1013·0	+1	ENE	3	drr	45	97	6	450	St	10	-	10	2
Wick	1014·9	+1	ESE	3	or+	43	92	8	800	St	8	ASt	10	0
Castlebay	1012·5	+1	SW	4	o/r	48	85	8	1500	St	10	-	10	3
Nairn	1013·6	*	E	1	c/r	49	85	8	1500	St	4	ASt	7	9
Aberdeen	1015·8	+1	ESE	1	opr	46	92	7	1500	StCu	9	-	9	0
Malin Head	1014·0	+3	W	6	bc-	51	85	8	4000	Cu	4	-	4	3
Renfrew	1014·9	+1	WSW	3	b-	55	75	8	5700	Cu	3	-	3	•
Edinburgh(Inchkeith)	1014·5	+2	WSW	3	bc-	51	75	7	-	Cu	4	Ci	5	2
Leuchars	1014·2	+1	N	1	bc+	47	92	7	4000	StCu	5	Ci	6	•
Eskdalemuir	1015·5	+0	SW	6	bc-	53	75	8	2500	StCu	4	CiCu	5	•
Tynemouth	1016·0	+1	W	1	bc-	59	75	6	4000	CuNb	3	ACu	5	1
Blacksod Point ...	1015·7	+3	SW	5	c+	52	85	8	—	CuNb	6	—	6	6
Donaghadee	1016·0	+1	WSW	4	bc-	62	65	8	1500	Cu	4	-	4	3
Birr Castle	1018·0	*	S	1	c-	58	65	8	4000	Cu	7	-	7	•
Holyhead	1018·7	+1	S	5	c+	49	97	8	1150	St	10	-	10	4
Liverpool (Bidston) ...	1019·1	+1	SW	4	bc	57	75	9	2500	StCu	1	CiCu	4	4
Chester (Shotwick) ...	1019·2	+1	SWS	3	c+	57	75	8	2500	Cu	2	CiCu	4	7
Spurn Head	1019·3	+1	SW	3	0	54	92	7	4000	StCu	10	-	10	2
Nottingham	1019·8	+1	WSW	3	0	58	75	6	2500	Nb	10	-	10	*
Cranwell	1020·0	+1	WSW	4	0	58	75	7	2500	StCu	10	-	10	•
Gorleston	1020·7	+1	SWW	2	c-	60	75	6	4000	StCu	7	-	7	0
Valencia (Cahirciveen)	1019·0	+2	SW	2	bc-	56	75	8	1500	StCu	4	ASt	5	3
Roches Point	1019·8	+1	SSW	1	fg	52	97	7	75	St	10	-	10	0
Pembroke(St.Ann's H.)	1021·2	+1	S	4	8	49	97	7	1500	St	10	-	10	6
Ross-on-Wye	1021·1	+2	WSW	2	bc-	56	75	7	4000	StCu	4	ACu	6	•
Benson...	1021·9	0	SW	1	0	55	92	8	-	St	10	-	10	•
Andover	1022·4	+0	SWS	3	c-	56	85	8	4000	StCu	7	CiSt	8	•
S. Farnborough ...	1022·3	0	SW	2	c-	58	75	7	4000	Cu	6	ACu	8	•
London (Kew Obsy.) ...	1022·6	0	SW	3	b	62	65	8	2500	Cu	1	-	1	•
Croydon	1022·4	0	SWS	3	bc-	57	75	8	2500	StCu	1	Ci	5	•
Clacton-on-Sea ...	1022·2	+1	SW	3	c+	58	85	6	7200	StCu	7	-	7	0
Shoeburyness	1022·6	0	SW	2	b-	59	75	7	5700	StCu	1	CiSt	1	•
Grain	1022·7	0	SW	3	bc-	58	75	8	4000	StCu	2	Ci	4	•
Lympne	1023·3	0	SW	3	bc-	54	85	8	4000	StCu	2	CiSt	6	•
Scilly (St. Mary's) ...	1021·9	0	SE!S	1	o+	52	85	7	4000	StCu	10	-	10	2
Falmouth (Pendennis)	1022·8	0	SSE	1	0	52	85	8	5700	Cu	10	-	10	0
Plymouth(Cattewater)	1023·5	+0	SW	4	bc	54	85	7	-	-	0	Ci	6	0
Portland Bill	1023·0	0	SW	3	bc+	53	92	7	-	-	0	CiCu	4	3
Southampton(Calshot)	1022·1	−1	-	0	0	53	85	8	5700	StCu	10	-	10	1
Dungeness	1023·6	−0	W	3	bc	54	85	8	-	-	0	ACu	4	4
Jersey	1022·1	−1	SE	3	bc	61	65	8	-	-	0	CiSt	4	3

LONDON OBSERVATIONS.

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 Hours ended 0900 G.M.T. 2nd								Yesterday.		To-day.
Kew .. 24 hours ended 0700	obco	ob	bbob	•	•	35	-	-	4·0	•	•
Croydon 24 hours ended 0700	o	ocgc	bco	•	•	38	-	Tr.	3·6	•	•
Greenwich (Royal Obsy.) ..	oc	ob	bcobb	62	42	34	-	-	2·3	74	70
City (Bunhill Row)	•	•	•	•	•	•	-	-	1·8	•	•
Westminster (St. James' Pk.)	•	•	•	62	45	•	-	-	2·6	70	71
Regent's Pk. (Botanic Gdns),	•	•	•	•	•	•	-	-	1·4	•	•
Camden Square..	o	c	•	61	46	41	-	Tr.	•	•	68
Kensington Palace	o	bcc	•	61	43	39	-	-	•	73(18h)	67
Hampstead Observatory ..	•	•	•	58	46	36	-	-	1·8	•	73

ATMOSPHERIC POLLUTION.
Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T. 1st

South Kensington

Max.	Time.	Min.	Time.
0.3	19h 30m	<0.3	0h-5h 1st.
0.3	9h 1st		

Kew Observatory

Max.	Time.	Min.	Time.
0.3	6h 1st	<0.3	rest of day.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 1st 20 30 h. m. to 2nd 03 30 h. m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	7.0	7.0	100
δ Ursae Minoris	7.0	7.0	100

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per ½ sec.	Stren.	Direc. °
13h.	CC_2	5	-	150
18h.	C	6	-	140
01h.	C	6	-	150
07h.	C	6	-	160

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

2nd & 3rd May, 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4.22	11.50	7.18
	4.22	11.50	7.19
	4.32	11.57	7.22
Greenwich	4.31	11.57	7.23
	4.18	12.9	8.0
Wick	4.16	12.9	8.2
	5.11	12.38	8.4
Valencia	5.10	12.36	8.6

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—11000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
jp precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

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; i = intermittent; - = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail".

Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus:—

R = heavy rain.
rr = continuous moderate rain.
r_0r_0 = continuous light rain.

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

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

SEA DISTURBANCE.

0=no swell } Calm or
1=mod. swell } slight
2=heavy swell } sea.
3=no swell } Moderate
4=mod. swell } sea.
5=heavy swell }
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

[1] For explanation see Introduction.

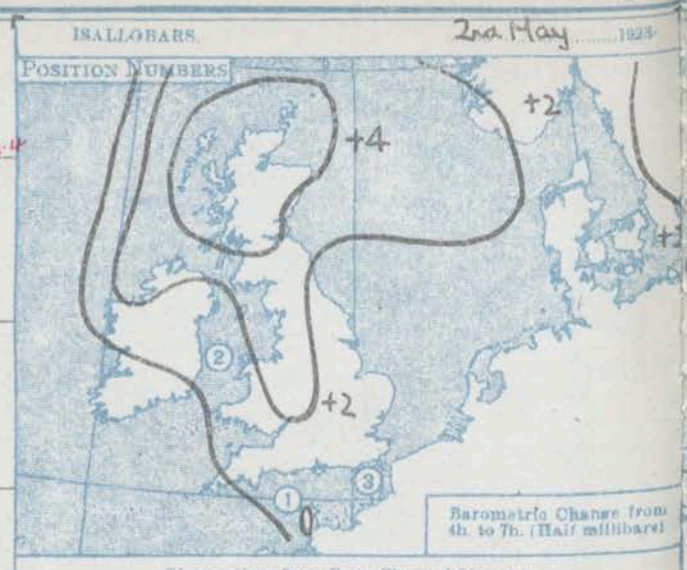
* Information for these columns not usually received.

‡ The barometric change is expressed in half millibars.

§ For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 1st	13h.-18h. 1st	18h. 1st to 1h 2nd	1h.-7h. 2nd	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS	RAINFALL† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 1st. Hours.
Lerwick	b	b	c	c	48	37	.	-	-	-	-	11.3 12.4
Stornoway	c	r-d	bbc	rrb	48	46	.	2	3	-	-	4.2
Wick	oo	or.	orr	orr	46	42	.	0.2	9	16.30	<2100	.
Castlebay	op	opo	opo	ocb	50	42	.	1	1	-	-	1.1
Nairn	r.bc	c.Rq	edgo	do	49	41	.	1	1	<0800	01.30	0.5
Aberdeen	p.oc	copr.	c	c	51	40	38	0.4	-	0900	-	1.5
Malin Head	p.cov	cobc	coir.	c	55	47		Trace	Trace	0900	<2100	9.4
Renfrew	opo	op.bc	bpco	acom	57	46	41	0.3	Trace	<0800	-	4.3
Edinburgh(Inchkeith)	oo	p	p	bc	53	44	40	0.1	0.2	16.30	22.00	5.5
Leuchars	opr	ocobc	bcbrb	bbo	56	39	25	1	0.2	<0800	<2100	1.4
Eskdalemuir	copo	oopcbc	bcbbc	ccoo	54	38	32	1	Trace	11.00	-	4.0
Tynemouth	oom	oom	bm	om	59	46	42	-	-	-	-	.
Blacksod Point	c.	c.		bbc	55	44	.	Nil	-		-	.
Donaghadee	c	bcq	bc	o	62	45	.	-	-	-	-	.
Birr Castle	co	co	co		62	42		-	-	-	-	
Holyhead	ofbcc	coof	ofe	ofeoc	56	46	45	-	Trace	-	-	7.7
Liverpool (Bidston)	bc	cbc	oc		59	48	44	0.4	-	<0800	-	4.4
Chester (Shotwick)	od.	obcc	bcco	cbc	58	51	47	0.2	-	<0800	-	1.5
Spurn Head	r-d	c	c	c	57	49	.	0.4	-	<0800	-	0.3
Nottingham	id.	od.	o	o	59	48	41	Trace	-	1100	-	0.0
Cranwell	d.	oo	ocm	c	59	46	41	Trace	-	0900	-	0.0
Gorleston	ocq.	c	cbc	bcwcm	64	50	45	-	-	-	-	2.4
Valencia (Cahirciveen)	c	cbc	bc	bcbcw	58	47	44	-	-	-		9.2
Roches Point	cbc.	zebcffe	5ffcto	5ffe	56	46	-	0.6	-	<2100		
Pembroke(St.Ann's H.)	oicd	bitom	oo	od	52	46	.	1	-	<0800	-	0.0
Ross-on-Wye	oco	cbc	cbcco	om	60	45	35	-	-	-	-	2.7
Benson	co	oo	ocbc	cbcw	60	40	33	-	Trace	-	-	.
Andover	qo	ococ	cbcc	c	61	41	35	-	-	-	-	1.5
S. Farnborough	q'fo	oc	c	bcom	61	41	36	-	-	-	-	3.5
London (Kew Obsy.)	obco	ob	bbw	bwbmw	63	44	36	-	-	-	-	4.0
Croydon	o	ocbc	bco	acwm	60	43	38	-	Trace	-	-	3.6
Clacton-on-Sea	aco	ocbco	c	cbcm	60	46	40	-	-	-	-	2.3
Shoeburyness	oco	ocbcb	b	bbm	61	43	36	-	-	-	-	3.9
Grain	oco	ocbc	bcbc	bbmw	60	40	34	-	Trace	-	-	5.5
Lympne	od.	ob	bcow	cow	56	43	29	Trace	Trace	<0800	-	2.2
Scilly (St. Mary's)	omoc	bcc	bcc	bc	56	49	.	0.1	-	<0800	-	3.2
Falmouth (Pendennis)	omdbc	bc	bcb	bc	55	49	.	-	-	-	-	1.2
Plymouth(Cattewater)	odm	c	obc	bcb	56	47	43	Trace 0.5	-	<0800	-	2.9
Portland Bill	ocbc	b-bc	bc	bbc	54	47	.	-	-	-	-	.
Southampton(Calshot)	oo	obo	c	cbcmw	57	43	40	0.5	-	<0800	-	5.3
Dungeness	c	b-bc	c	bf	56	41	.	-	-	-	-	
Jersey	cbc	bc	bw	bwb	62	52	.	-	-	-	-	1.20



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	1st 10h	Cambria	SSW	4	c	52	48	8
1	1st 12h	Reindeer	SW	4	bbc†	61	51	7
3	2nd 2h	Dieppe	-	0	bcjp	50	50	9

GENERAL INFERENCE.

A ridge of relatively high pressure extends across the British Isles, connecting an anticyclone over Southern Europe with an intense anticyclone over the Northern North Atlantic. Apart from a risk of showers in the extreme north of Scotland fine, quiet, warmer weather is likely.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday, 2nd May, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Wind indefinite to Easterly, light or moderate; fine; some mist or haze; warm during day.	Uncertain, but a spell of mainly fine warm weather not improbable, particularly in the South.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Light or moderate winds, mainly northerly; fair; some mist in places; rather warm during day.	
14. N. & N.W. Scotland 15. Hebrides	Wind between W. and N, light or moderate; mainly fair but risk of showers in extreme north; visibility good; moderate temperature.	
16. Orkneys and Shetlands	Wind between W. and N., light or moderate; variable cloud, risk of showers; visibility good; moderate or rather low temperature.	
17. N.W. Ireland 18. N.E. Ireland	As 7 - 13.	
19. S.E. Ireland 20. S.W. Ireland	As 1 - 6.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0910 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.

SYNOPTIC CHART FOR MORNING OF Wednesday, 2ND MAY, 1923

Scale - 1:10,000,000

Nautical Miles

Statute Miles.

Low Cloud.

TEMPERATURE WEATHER, SEA

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

EXPLANATION

BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. Direction is shown by arrows flying with the wind. Force, on the scale 0–12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.

TEMPERATURE is given in ° F.

WEATHER SYMBOLS: ○ clear sky, ◔ sky ¼ clouded; ◑ sky ½ clouded; ◕ sky ¾ clouded; ● overcast sky; ● rain falling; ✱ snow; ✱ sleet; ▲ hail; ≡ fog; =° mist; T thunder; ⚡ thunderstorm.

SEA DISTURBANCE: ~~~ Rough, ≈≈≈ High.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

0.	Dense fog. Objects not visible at	55	yards.
1.	Rather thick fog " "	220	"
2.	Very bad " "	550	"
3.	Bad " "	1,100	"
4.	Very poor " "	1¼	miles.
5.	Poor " "	2½	"
6.	Moderate " "	6	"
7.	Good " "	12½	"
8.	Very good " "	31	"
9.	Excellent. "	beyond 31	"

Temp.

Air.	Sea.	Visibility.
52	48	8
51	51	7
50	50	9

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION.....Wednesday, 2nd May,.....1923. No:.122.

Observations at 0100 G.M.T.....2nd.....

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1018·3	0	–	0	c	40	85	7	–	–	0	ASt	7	.
Stornoway	1016·7	+4	E	3	b-	.	.	.	.	.	.	.	.	.
Wick	1016·7	+1	–	0	ooo	42	92	8	1500	Nb	10	–	10	.
Castlebay	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Nairn	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Aberdeen	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Malin Head	1018·0	+2	SW'W	5	oo	48	85	8	5700	Nb	8	ASt	10	.
Renfrew	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Edinburgh(Inchkeith)	1017·1	+3	WSW	2	c+	45	85	7	–	St	3	ACu	7	.
Leuchars	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Eskdalemuir	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Tynemouth	1018·7	+2	WSW	2	bc+	50	92	6	–	–	0	ASt	5	.
Blacksod Point ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Donaghadee	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Birr Castle	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Holyhead	1021·3	+1	S'W	4	fo	48	97	3	750	St	10	–	10	.
Liverpool (Bidston)...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Chester (Shotwick)...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Spurn Head	1021·4	+1	SW	3	c	53	92	6	–	–	0	CiSt	8	.
Nottingham	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Cranwell	1021·3	+2	WSW	2	c	51	92	6	–	–	0	ASt	8	.
Gorleston	1022·5	+1	SW'W	2	b-	51	85	6	–	–	0	Ci	3	.
Valencia (Cahirciveen)	1021·7	+2	–	0	bc	50	97	8	–	–	0	ACu	5	.
Roches Point	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Pembroke(St.Ann's H.)	1022·1	+1	–	0	c	49	97	8	4000	StCu	8	–	8	.
Ross-on-Wye	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Benson...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Andover	.	.	.	.	.	.	.	.	.	.	.	.	.	.
S. Farnborough ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
London (Kew Obsy.)...	.	.	.	.	.	49	.	.	.	.	.	.	.	.
Croydon	1023·7	+1	S'W	2	0	47	97	7	–	–	0	Ci	9	.
Clacton-on-Sea ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Shoeburyness	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Grain	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Lympne	1024·2	+1	SW	1	c	45	97	7	–	–	0	CiSt	7	.
Scilly (St. Mary's) ...	1021·7	0	E'S	4	c-	50	97	7	4000	StCu	7	–	7	.
Falmouth (Pendennis)	1023·5	0	W	3	b+	50	88	8	–	–	0	–	0	.
Plymouth(Cattewater)	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Portland Bill	1023·2	+1	SW	3	b-	50	92	7	–	–	0	CiCu	2	.
Southampton(Calshot)	1024·1	0	ESE	1	c	47	97	6	–	–	0	ASt	7	.
Dungeness	1024·0	0	SW	1	c	49	97	8	–	–	0	Ci	7	.
Jersey 7h.)														
Guernsey 1h.)														

Observations at 0700 G.M.T.....2nd.....

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1020·8	+2	W	1	c	42	65	8	–	–	0	ACu	8	0
Stornoway	1022·3	+5	NNE	3	b-	43	85	7	–	–	0	–	0	0
Wick	1021·1	+5	NE	2	c/r	44	75	8	4000	Cu	8	–	8	2-3
Castlebay	1021·9	+5	NNW	4	b	44	85	8	4000	StCu	2	–	2	.
Nairn	1021·5	.	–	0	oD	48	92	8	2500	Nb	9	–	9	.
Aberdeen	1020·1	+4	NNW	4	bc-	46	85	7	1500	St	4	–	4	0
Malin Head	1021·6	+5	NNW	3	o	47	92	8	2500	StCu	9	–	9	3
Renfrew	1020·6	+5	W	3	o+	49	85	6	2500	St	10	–	10	.
Edinburgh(Inchkeith)	1019·6	+2	W	3	bc-	46	85	8	–	Cu	4	–	4	2
Leuchars	1019·0	+3	WSW	3	o+	49	85	8	4000	StCu	9	–	9	.
Eskdalemuir	1021·1	+3	W	3	o	46	89	8	4000	StCu	10	–	10	.
Tynemouth	1021·6	+1	SW	2	o-	48	92	5	2500	St	5	ACu	9	.
Blacksod Point ...	1022·9	+3	N	1	o	48	75	8	–	–	0	ASt	10	0
Donaghadee	1021·7	+1	WSW	2	c-	47	92	8	4000	St	7	–	7	3
Birr Castle	1022·5	.	SW	1	o+	45	97	7	2500	StCu	3	–	3	.
Holyhead	1022·9	+2	SW	1	c	48	97	8	450	StCu	8	–	8	.
Liverpool (Bidston)...	1022·5	+2	WSW	4	c	49	92	8	2500	Cu	4	–	4	.
Chester (Shotwick)...	1022·3	+3	–	0	o	53	85	8	4000	StCu	2	ACu	9	4
Spurn Head	1021·7	0	SW	3	o	50	92	5	–	–	0	ACu	10	2
Nottingham	1022·8	+1	WSW	1	o	50	92	5	2500	Nb	4	CiSt	10	.
Cranwell	1022·9	+1	W'S	3	o	50	85	7	5700	St	3	–	9	.
Gorleston	1022·3	0	W	2	o+	52	92	6	5700	StCu	9	–	9	0
Valencia (Cahirciveen)	1021·5	0·	E	2	b	52	85	7	2500	StCu	2	–	2	3
Roches Point	1022·3	+1	ESE	0	b	50	97	8	1500	St	3	ASt	10	10
Pembroke(St.Ann's H.)	1023·3	+1	NE	2	o	47	97	8	4000	StCu	10	–	10	4
Ross-on-Wye	1023·4	+2	SW	1	bc-	49	92	6	–	–	0	ACu	10	6
Benson...	1023·5	+1	–	0	c	53	92	8	–	–	0	CiSt	7	.
Andover	1023·9	0	–	0	o+	49	97	6	4000	StCu	10	–	10	.
S. Farnborough ...	1023·5	0	–	0	o+	49	97	6	4000	StCu	2	ACu	9	.
London (Kew Obsy.)...	1024·3	+1	SSW	1	mmb	51	85	4	–	–	0	ACu	3	.
Croydon	1023·8	0	–	0	o	51	92	6	4000	StCu	9	–	9	.
Clacton-on-Sea ...	1023·3	0	W	1	mbc	51	92	5	–	–	0	Ci	5	0
Shoeburyness	1023·6	0	WSW	1	b	52	85	6	–	–	0	Ci	1	.
Grain	1024·0	0	–	0	mmb	52	97	4	–	–	0	ACu	2	0
Lympne	1023·8	0	–	0	o	51	92	7	7200	StCu	9	–	9	.
Scilly (St. Mary's) ...	1020·7	-1	E'S	4	bc+	53	92	7	4000	StCu	2	Ci	4	4
Falmouth (Pendennis)	1021·3	0	E	3	bc-	51	85	7	4000	Cu	5	–	5	0
Plymouth(Cattewater)	1022·0	0	E	3	b	54	75	8	5700	StCu	1	Ci	2	0
Portland Bill	1023·2	0	E	3	b	50	92	7	–	–	0	CiCu	2	0
Southampton(Calshot)	1023·9	0	–	0	mb+	47	97	4	–	–	0	ACu	3	0
Dungeness	1023·8	0	NE	1	c/s	48	97	8	–	–	0	CiCu	7	1
Jersey 7h.)	1021·6	0	ESE	3	b	50	75	8	–	–	0	Ci	2	0
Guernsey 1h.)														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR.....1st May.....

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 30th. °F.	Temperature. Max. Day. 1st °F.	Rainfall.† Night 17h.-9h. 30th.-1st mm.	Rainfall.† Day 9h.-17h. 1st mm.	Sunshine. Sunrise to 17h. 1st hr.	Sunshine. Sunrise to Sunset. 30th hr.
Montrose	-	-	43	57	2	1	2.6	0.2
Llandudno	cbc	bc	50	58	5	"	5.3	2.2
Colwyn Bay ...	pbc	bc	51	61	3	-	6.1	1.6
Rhyl...	cdq	bc	51	62	3	-	6.3	1.7
Southport	ocbcb	b	49	60	5	-	6.8	0.3
Blackpool	po	cbcc	49	58	1	-	5.4	0.0
Ilkley	qpbop	b	43	62	3	-	8.6	0.1
Harrogate	bc	bcb	46	61	0.1	-	4.3	1.2
Skegness	o	o	52	61	0.1	-	0.3	1.8
Aberystwyth ...	boc	c	50	52	10	-	0.0	0.0
Bath	o	oq	52	59	-	-	1.3	0.6
Leamington Spa ...	cb	bc	52	60	-	-	3.2	0.8
Lowestoft	o	ocbc	52	63	-	-	1.8	2.4
Felixstowe	oc	co	51	62	-	-	2.8	2.3
Southend	oc	cbc	50	61	-	-	1.6	1.5
Ilfracombe	om	oco	51	57	0.1	0.1	0.6	0.3
Bude	o	o	50	60	-	-	1.7	0.0
Penzance	odc	bcc	50	58	0.2	trace	1.4	0.0
Paignton	odp	bcbc	51	60	1	-	5.7	0.3
Torquay	c	b	51	60	0.3	-	3.4	0.0
Weymouth	oc	c	50	59	-	-	6.7	0.1
Bournemouth ...	c	cbb	50	60	1	-	2.0	0.7
Portsmouth (S'thsea)	oc	bc	51	60	-	-	3.3	0.6
Worthing	oc	cbcb	51	58	-	-	3.2	0.2
Brighton	o	b	51	56	-	-	4.2	0.0
Eastbourne... ...	cbc	b	51	60	-	-	7.4	0.3
Hastings	oc	cbcb	50	57	trace	-	3.9	0.1
Folkestone	c	bc	50	56	-	-	1.9	0.0
Tunbridge Wells ...	o	ocbc	50	58	-	-	1.1	0.3
Ramsgate	ocbc	bcbbc	50	59	-	-	1.7	1.7
Margate	o	oc	50	62	-	-	1.2	1.7
Deal	ocbc	b	51	59	-	-	1.6	3.0

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22442 Thursday, 3rd May 1923.

STATIONS.	Observations at 1300 G.M.T. 2nd: Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	State of Ground.	Observations at 1800 G.M.T. 2nd: Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1022.2	+2	S	3	bc	47	68	8	-	-	0	ACu	4	.	1022	0	WSW	3	bc	47	65	8	-	-	0	ACu	4	N-0.3
Stornoway	1024.2	+3	NNE	3	bc+	49	75	7	4000	Cu	2	Ci	4	.	1023.5	-1	NNE	2	bc	47	75	7	4000	Cu	2	-	4	
Wick	1023.8	+2	SSE	1	c	46	75	8	4000	Cu	7	-	7	.	1023.1	0	S	3	bc	44	85	8	4000	Cu	4	-	4	
Castlebay	1024.5	+2	NNW	2	bc+	50	75	8	4000	StCu	3	ASt	4	.	1024.0	0	NW	4	b	51	65	8	-	-	0	ASt	2	
Nairn	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1022.7	+	-	0	b	51	75	9	4000	Cu	2	-	2	
Aberdeen	1024.6	+3	E'N	3	bc	50	75	8	2500	StCu	4	-	4	0	1025.0	0	SE'E	2	b	44	85	8	-	-	0	Ci	0	
Malin Head	1024.2	+1	N	2	b-	47	85	9	4000	Cu	2	CiCu	3	.	1023.6	0	N	2	b	47	85	9	-	-	0	ACu	2	0.N.-1
Renfrew	1022.7	+1	SW	3	c-	56	65	7	2500	StCu	8	-	8	0	1023.7	+1	NE	2	b	50	75	8	-	-	0	-	0	
Edinburgh (Inchkeith)	1023.7	+4	ESE	4	c+	44	92	8	*	StCu	4	ASt	10	.	1024.2	+1	ESE	3	b	44	85	8	*	StCu	3	-	3	
Leuchars	1024.0	+5	ENE	3	bc	48	75	7	4000	StCu	5	-	5	0	1023.1	0	NE	4	bc	46	75	8	800	St	5	CiSt	5	
Eskdalemuir	1022.3	+2	SW	3	c	55	65	7	4000	StCu	8	-	8	0	1023.1	0	NE	4	bc	48	75	8	4000	StCu	5	-	5	
Tynemouth	1022.9	+2	N	2	c	49	85	7	4000	CuNb	4	CiCu	7	.	1023.6	0	N	3	b	46	85	6	-	-	0	CiCu	2	
Blacksod Point	1023.7	+2	N	1	bc	54	75	8	*	CuNb	5	-	5	.	1022.7	-1	NNW	3	c	51	75	9	-	-	0	ASt	10	0.1.0
Donaghadee	1023.8	+2	NNE	2	bc	50	85	8	-	-	0	CiSt	5	.	1023.5	0	NNE	1	b	49	85	9	-	-	0	CiSt	9	
Birr Castle	1022.6	*	SW	1	bc	60	65	8	4000	StCu	6	-	6	.	1021.9	+	N	1	b	59	65	7	2500	StCu	2	-	2	
Holyhead	1024.2	0	-	0	b	51	85	8	7200	StCu	9	-	9	0	1023.6	0	-	0	c	50	85	8	5700	StCu	2	ACu	2	
Liverpool (Bidston)	1023.9	+1	NNW	1	bc	52	75	7	2500	StCu	3	CiCu	9	.	1023.6	0	NNW	2	bc	52	75	8	4000	StCu	2	CiCu	2	
Chester (Shotwick)	1023.8	+1	NNW	4	b	56	65	8	4000	StCu	9	-	9	1	1023.5	0	NW	4	c	54	75	7	4000	StCu	7	CiCu	9	
Spurn Head	1023.2	+2	N	3	b	59	65	7	-	-	0	CiSt	7	.	1025.8	+2	E	3	c	49	85	7	4000	StCu	8	-	8	N.0
Nottingham	1022.8	0	NW	2	c	61	65	7	2500	StCu	4	CiSt	7	.	1022.9	0	NNW	2	b	62	85	7	1500	Nb	6	Ci	9	
Cranwell	1023.2	+1	NNW	3	bc	61	65	6	2500	Cu	2	CiSt	6	.	1023.4	+1	E'S	3	c	54	75	7	4000	StCu	9	-	9	
Gorleston	1022.4	0	NE'E	2	c-	56	85	6	4000	StCu	7	-	7	.	1022.7	0	NE'N	1	b-	54	85	6	-	-	0	ACu	2	
Valencia (Cahirciveen)	1021.2	-1	ENE	2	c+	61	75	8	2500	StCu	8	-	8	1	1019.6	-2	E'S	2	bc-	63	65	8	2500	StCu	4	-	4	1.0.4
Roches Point	1022.3	0	E	2	c	57	85	8	2500	CuNb	4	ACu	7	.	1020.9	-2	E	2	c	54	92	8	-	-	0	ACu	8	
Pembroke (St. Ann's H.)	1023.2	0	E	2	c	51	75	8	4000	StCu	8	-	8	.	1021.8	-2	NE	3	b	54	92	7	2500	StCu	3	-	9	
Ross-on-Wye	1023.2	+1	NNW	2	c-	62	65	7	4000	StCu	9	ACu	9	0	1022.4	+1	SW'S	3	b	62	65	7	4000	StCu	2	ASt	2	
Benson	1022.9	-1	WSW	2	bc-	63	65	8	*	Cu	3	Ci	3	0	1023.1	+1	-	0	bc	66	65	7	-	-	0	ASt	9	
Andover	1023.2	0	-	0	bc-	65	65	8	4000	Cu	2	CiCu	6	0	1022.4	0	-	0	b+	63	85	7	2500	St	10	-	10	
S. Farnborough	1023.3	-1	W'N	2	bc-	68	65	8	4000	StCu	4	Ci	5	0	1022.1	0	-	0	bc+	68	65	7	-	-	0	ACu	6	
London (Kew Obsy.)	1023.6	-2	NNW	2	c+	64	63	6	4000	Cu	3	CiCu	7	0	1022.5	-1	NW	1	c	66	55	7	-	-	0	CiCu	2	
Croydon	1023.1	-1	SW	1	c⊕	66	68	7	5700	Cu	1	Ci	7	0	1022.3	+0	NW'N	1	c	65	68	7	1200	StCu	2	Ci	7	
Clacton-on-Sea	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1022.9	0	S	1	bc	56	85	6	4000	Cu	5	-	5	0.0.-.-
Shoeburyness	1023.3	0	W	2	bc	66	55	7	4000	Cu	1	Ci	6	.	1022.7	-1	-	0	bc-	58	85	7	-	-	0	ACu	4	
Grain	1023.3	-1	ENE	2	c+	62	65	7	-	-	0	NCu	8	0	1022.5	0	-	0	c+	58	85	6	-	-	0	ACu	7	
Lympne	1022.8	-2	SSW	3	c+	63	63	8	4000	Cu	2	CiSt	8	1	1021.7	0	E	2	bc	59	75	6	-	-	0	Cu	6	
Scilly (St. Mary's)	1022.2	+2	SE'E	4	c+	55	86	7	4000	StCu	8	-	8	.	1020.2	0	ESE	4	bc+	53	85	6	4000	Cu	2	Cu	4	4.0.0.0
Falmouth (Pendennis)	1022.6	0	E	5	bc+	55	75	8	4000	Cu	6	-	6	.	1020.9	-1	E	5	c+	55	85	7	2500	Cu	2	-	2	
Plymouth (Cattewater)	1022.2	+1	E	5	bc	62	65	8	5700	StCu	5	-	5	0	1022.1	-1	E	2	or	57	85	8	2500	Cu	2	-	2	
Portland Bill	1023.2	0	E	2	b	56	75	7	-	-	0	CiCu	2	.	1023.2	0	-	0	bc+	53	75	7	1500	StCu	2	-	2	
Southampton (Calshot)	1023.6	-2	SE'E	4	bc+	60	75	8	-	-	0	Ci	6	0	1022.9	0	SSE	1	c+	58	75	7	-	-	0	ACu	2	
Dungeness	1023.9	0	S	1	bc	60	75	8	-	-	0	Ci	4	.	1022.6	-1	E	2	b	56	75	8	-	-	0	CiCu	2	
Jersey	1021.7	0	ESE	2	b	71	85	8	-	-	0	Ci	1	.	1021.1	0	E	2	b+	66	65	8	-	-	0	Cu	3	4.0.0.0.0

LONDON OBSERVATIONS.

	Weather. Morning.	Afternoon.	Night.	Temperature. Max. °F.	Min. °F.	Min. on Grass. °F.	Rainfall mm. Day.	Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	9h. G.M.T. %
	24 HOURS ENDED 0900 G.M.T. 2nd.								YESTERDAY.		TO-DAY.
Kew } 24 hours ended 0700 Croydon }	bc c Cz	Cz bc	Cb cb	*	*	43	-	3	3.2	*	*
	ow bc z	c⊕ b y c	c b c b+			47	+	2	9.0	*	*
Greenwich (Royal Obsy.)	bo 3⊕	ob 3 bc	bo l p	71	50	41	-	1	8.2	57	76
City (Bunhill Row)	*	*	*	*	*	*	*	*	6.3	*	*
Westminster (St. James' Pk.)	*	*	*	69	55	*	*	1	7.7	54	74
Regent's Pk. (Botanic Gdns.)	*	*	*	*	*	*	*	*	7.4	*	*
Camden Square	b	b	*	71	53	53	-	1	*	*	72
Kensington Palace	b	b b C	*	69	49	45	-	1	*	62 (18h)	79
Hampstead Observatory	*	*	*	69	52	41	-	1	10.9	*	82

ATMOSPHERIC POLLUTION.
Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1800 G.M.T. 2nd.

South Kensington

Max.	Time.	Min.	Time.
0.5	1st 18h.	<0.3	2nd 0-4h.
0.6	2nd 7h.		

Kew Observatory

Max.	Time.	Min.	Time.
0.4	1st 20h.	<0.3	2nd 3h.
0.5	2nd 7h.		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 2nd 20h 30m. to 3rd 03h 30m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	7.0	2.34	37
δ Ursae Minoris	7.0	2.31	36

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per ½ sec.	Stren.	Direc. °
13h.	C	6	-	186
18h.	C	6	-	156
01h.	C	6	-	120
07h.	C	6	-	150

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

2nd-3rd May, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4.22 / 4.19	11.50 / 11.50	7.19 / 7.20
Greenwich	4.31 / 4.29	11.57 / 11.54	7.23 / 7.25
Wick	4.16 / 4.14	12.9 / 12.9	8.2 / 8.4
Valencia	5.10 / 5.8	12.38 / 12.38	8.6 / 8.8

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
jp precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

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; i = intermittent; - = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";
Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
rr = continuous moderate rain.
r_0r_0 = continuous light rain.

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

SEA DISTURBANCE.

0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

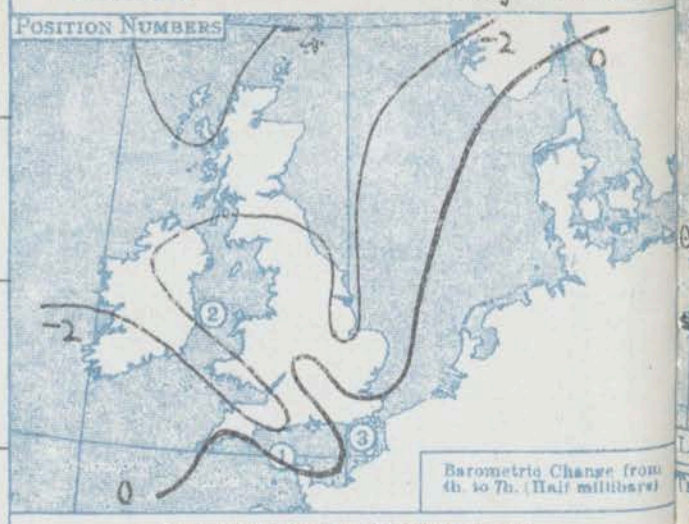
[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 4.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.–13h.	13h.–18h.	18h. to 1h 3rd	1h.–7h. 3rd	TEMPERATURE. MAX. Day. 7h.–18h.	MIN. Night. 18h.–7h.	MIN. on GRASS	RAINFALL.† Day. 7h.–18h. mm.	Night. 18h.–7h. mm.	Precipitation began.	Precipitation began.	SUN. Hours.
Lerwick	bc	bc	c	o	49	41	•	–	–	–	–	2.4
Stornoway	b-bc	bbc	bbc	o	50	38	•	–	–	–	–	13.0
Wick	c	bbc	bbc	o	48	38	•	–	–	–	–	•
Castlebay	bbc	bcb	b	bo	51	40	•	–	–	–	–	14.0
Nairn	dc bc	bcb	bbcm	bcam	53	36	•	1	–	<0800	–	8.6
Aberdeen	odpc	bcb	b	bbc	50	38	30	trace	–	0900	–	6.4
Malin Head	cobcv	bcv	bcve	cobcv	49	38	•	–	–	–	–	8.8
Renfrew	o3c	cbcb	oo	oowm	59	41	38	–	–	–	–	6.6
Edinburgh(Inchkeith)	c	oo	c	mmv	53	41	31	–	–	–	–	4.0
Leuchars	opccobc	bcb	bcco	oo	53	40	24	trace	–	<0800	–	11.5
Eskdalemuir	coc	ocbc	bccoo	ocofom	58	37	37	–	–	–	–	4.8
Tynemouth	cm	bbcm	omv	ofF	51	41	37	–	–	–	–	•
Blacksod Point ...	a	bbc	bbc	bbc	50	41	•	–	–	–	–	•
Donaghadee	bc	bc	c	bc	52	38	•	–	–	–	–	•
Birr Castle	co	co	co	co3	61	51	42	–	–	–	–	•
Holyhead	coo	obcc	cbcco	p	54	46	44	–	Trace	–	04.30	7.8
Liverpool (Bidston)...	b-bc	bc	f:m	f:m	56	47	42	–	–	–	–	7.4
Chester (Shotwick) ...	ocbco	bcc	c	obrm	59	47	43	–	Trace	–	05.30	8.0
Spurn Head	c	c	c	b	53	46	•	–	0.2	–	04.30	7.0
Nottingham	c	c	co	oo	65	48	43	–	–	–	–	3.6
Cranwell	oo	omc	ocbcb	com	65	40	34	–	–	–	–	6.3
Gorleston	cmoc	cbc	cmom	oo	63	47	43	–	Trace	–	06.30	6.0
Valencia (Cahirciveen)	bbcc	cbc	c	com	65	52	46	–	–	–	–	6.9
Roches Point	orcb	cprc	eotlr	ffotlr	58	50		2	1	<2100	<0800	
Pembroke(St.Ann's H.)	c	f-d	ort	b	58	51	•	3	5	1430	<2100	0.9
Ross-on-Wye	bcc	co	orob	bcm	66	51	49	–	2	–	<2100	6.5
Benson...	bc	cbc	bcoc	coir	68	47	41	–	1	–	0230	•
Andover	ocbc	bcpio	oorro	orrm	68	49	43	trace	1	1630	<2100	5.4
S. Farnborough ...	omobc	bcbbc	bcor	0	73	51	46	–	0.6	–	2200	5.6
London (Kew Obsy.)...	bmwcz	czbcbbco	cbccobo	ooram	67	52	43	–	3	–	2200	3.2
Croydon	ombcz	cobyc	cbc	bcorr	69	52	47	–	2	–	0330	3.0
Clacton-on-Sea ...	bcmcz	cbcz	bcco3	o3mr	61	50	47	–	0.3	–	0630	12.3
Shoeburyness	b-bc	bbc	bcco	orr	67	46	39	–	1	–	2400	10.4
Grain	bmwcz	cbbz	cmod	odpr	64	49	46	–	1	–	2200	3.0
Lympne	ocbcc	cbm	bccow	omr.	66	48	38	–	0.3	–	2200	12.0
Scilly (St. Mary's) ...	bc	bcm	cbc	bm	58	49	•	–	–	–	–	7.8
Falmouth (Pendennis)	bc	bcp	bc	bcbbc	57	52	•	0.6	Trace	1430	0130	8.5
Plymouth(Cattewater)	b	cor	orb	bobb	63	54	50	trace	0.6	1430	<2100	6.7
Portland Bill	b-bc	bcc	cbc	corc	58	49	•	–	3	–	<2100	•
Southampton(Calshot)	b-bc	bbc	orrcbc	bcm	62	51	48	–	2	–	2200	11.1
Dungeness	b-bc	bbc	orrr	p	62	49	•	–	1	–	–	•
Jersey	b	b	bw	bwco	77	56	•	–	–	–	–	

ISALLOBARS. May. 3rd 1923.

POSITION NUMBERS



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility
2	2nd 10h	Cambria	WNW	3	c	51	48	8
3	3rd 3h	Brighton	–	0	bc	53	52	8

GENERAL INFERENCE.

The British Isles lie between two anticyclones, one over the Continent and the other to westward of Ireland. Winds will be mainly light and indefinite over England and Ireland, with fair, warm weather apart from local thundery rain or showers. In Scotland winds will be westerly, associated with a depression near Iceland, and occasional rain is probable.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Thursday, 3rd May, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Light indefinite winds; mainly fair; but local thundery rain or showers; some mist at times; warm.	None issued.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Light indefinite winds; mainly fair but risk of local thundery showers; some mist at times; rather warm day.	
11. E. Scotland 12. S.W. Scotland	Wind indefinite or westerly, light or moderate; cloudy at times, risk of occasional rain or showers; visibility moderate or good; moderate temperature.	
13. Isle of Man	As 7 - 10.	
14. N.E. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind mainly westerly, moderate, fresh at times; cloudy, occasional rain or showers; visibility moderate or good; moderate temperature.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 7 - 10.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0915 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.

SYNOPTIC CHART FOR MORNING OF THURSDAY, 3rd MAY, 1923.

Scale - 1:10,000,000

Nautical Miles

Statute Miles

Barometer 40 41W

37 Fog

0 Ocast

39 Fair

994 Falling

41

21 Showers

998

1000

1002 Slowly

Bar. Falling

45

28 Brisk'ly Heavy Rain

1004

1006

1008

1010

1012

1014

1016

1018

1020

HIGH

1014

21 34 O'cast.

LOW

1012

Baromeric

37

2 Rain

Changes

39

21 Hail

2 32 Fine

Slight

5 44 Ocast.

43

10 Ocast

45

15 Fine

Barometer

15 45 Ocast

Barometer

10 42 Fair

Steady

5 45 Fine

of

Rising

44

1 Ocast

48

10 Fair

Ocast

41

2 Fog

Fine

5 50

Falling

54

2 Cloudy

Slowly

50

5 Ocast

51

2 Ocast

49

10 Rain

46

2 Fine

HIGH

Slowly..

1024

53

10 Fine

2 57 Ocast.

54

2 Fair

1022

52

5 Fine

64

5 Ocast

57

2 Fair

5 61 Fine

2 61 Fine

2 63 Ocast

55

2 Fine

2 57 Fine

2 59 Fine

LOW

LOW

1018

1020

1020

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

Low Cloud.

TEMPERATURE, WEATHER, SEA.

EXPLANATION

BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. Direction is shown by arrows flying with the wind. Force, on the scale 0–12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.

TEMPERATURE is given in °F.

WEATHER SYMBOLS: ○ clear sky, ◔ sky ¼ clouded; ◑ sky ½ clouded; ◕ sky ¾ clouded; ● overcast sky; ● rain falling; ✱ snow; ✱ sleet; ▲ hail; ≡ fog; =° mist; T thunderstorm.

SEA DISTURBANCE: ~~~ Rough, ≈≈≈ High.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

0.	Dense fog. Objects not visible at	55	yards
1.	Rather thick fog " "	220	"
2.	Very bad " "	550	"
3.	Bad " "	1,100	"
4.	Very poor " "	1¼	miles.
5.	Poor " "	2½	"
6.	Moderate " "	6½	"
7.	Good " "	12½	"
8.	Very good " "	31¼	"
9.	Excellent. "	beyond 31¼	"

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4. BRITISH SECTION.....Thursday. 3rd May.....1923. No. 123

Observations at 0100 G.M.T.....3rd.....

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Cloud. Sea. 0-9
Lerwick	1018.6	-2	NSW	4	c+	43	85	8	-	-	0	ASt	8	•
Stornoway	1022.8	-3	-	0	b-	•	•	6	•	•	•	•	•	•
Wick	1020.0	-4	SSW	3	bc	43	92	8	-	-	0	ACu	5	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1021.6	-2	S	2	c+	40	97	9	3700	StCu	8	-	8	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh(Inchkeith)	1022.0	-1	ESE	2	c-	42	97	8	-	StCu	5	ACu	8	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1023.9	-1	-	0	0	44	97	6	2500	St	10	-	10	•
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1022.7	-1	NE	1	o+	48	85	8	2500	StCu	10	-	10	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1023.6	-1	E	2	0	47	97	7	4000	StCu	10	-	10	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1023.8	0	SSE	3	bc+	48	97	6	4000	St	1	CiSt	5	•
Gorleston	1023.8	0	-	0	0	48	92	6	5700	StCu	10	-	10	•
Valencia (Cahirciveen)	1019.8	0	-	0	or	55	92	9	-	CuNb	9	-	9	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke(St.Ann's H.)	1022.5	+1	NE	2	c/r	53	97	7	1500	Nb	8	-	8	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)...	•	•	•	•	•	55	•	•	•	•	•	•	•	•
Croydon	1022.5	-2	SE	2	bc	55	92	7	5700	StCu	2	Ci	5	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness... ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1023.3	0	ESE	2	0	52	92	7	-	-	0	ACu	9	•
Scilly (St. Mary's) ...	1021.4	0	ESE	3	bc+	51	92	7	4000	StCu	2	ACu	5	•
Falmouth (Pendennis)	1023.8	+1	E	4	cbr.	55	88	7	2500	Cu	8	-	8	•
Plymouth(Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1023.1	+3	E	3	bc/r	50	92	7	-	-	0	ACu	6	•
Southampton(Ca.shot)	1022.7	-1	SW'W	1	b/r	53	92	8	-	-	0	ACu	1	•
Dungeness	1023.0	-1	ESE	2	or	51	97	7	-	-	0	ASt	10	•
Jersey 7h }														
Guernsey 1h }														

Observations at 0700 G.M.T.....3rd.....

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Cloud. Sea. 0-9
Lerwick	1014.8	-3	W	2	o	44	85	8	-	-	0	ASt	10	1
Stornoway	1015.6	-4	S	4	o	45	78	7	800	St	10	-	10	3
Wick	1016.4	-2	SW	2	o	43	85	8	1500	St	8	CiSt	10	4
Castlebay	1018.3	-2	SW	4	o	46	85	8	1500	St	10	-	10	8
Nairn	1017.1	•	WNW	4	c+	46	85	7	1500	St	8	-	8	•
Aberdeen	1019.2	-3	SW	3	bc⊕	42	85	7	1500	St	2	CiSt	4	8
Malin Head	1018.8	-3	S	3	bc	48	85	8	-	-	0	ACu	5	0
Renfrew	1021.0	-2	-	3	o-	44	85	6	1500	StCu	10	-	10	•
Edinburgh(Inchkeith)	1020.5	-2	NSW	3	mmo	42	97	6	-	St	10	-	10	2
Leuchars	1019.6	-3	W	3	o	44	85	7	800	St	10	-	10	•
Eskdalemuir	1021.3	-1	-	0	c/f	41	91	6	2500	StCu	5	Ci	8	•
Tynemouth	1021.4	-1	S	0-	fo	41	97	2	<150	St	10	-	10	0
Blacksod Point ...	1019.0	-2	NNW	2	b	50	92	8	-	-	0	CuCu	7	0
Donaghadee	1020.9	-1	-	0	bc-	46	92	8	2500	StCu	2	ACu	4	0
Birr Castle	1019.1	•	W	0	c-	54	92	6	4000	StCu	8	-	8	•
Holyhead	1020.7	-1	E	2	o-	50	92	8	4000	StCu	9	-	9	2
Liverpool (Bidston) ...	1020.6	-1	E'N	1	mo	50	85	4	2500	St	10	-	10	•
Chester (Shotwick) ...	1020.8	-1	SE	1	or	50	85	4	2500	StCu	10	-	10	•
Spurn Head	1021.9	-2	ESE	3	or.	47	92	6	2500	Nb	10	-	10	2
Nottingham	1021.4	-1	W	1	o	51	85	5	1500	St	10	-	10	•
Cranwell	1022.0	-2	S	2	o+	50	85	6	2500	StCu	10	-	10	•
Gorleston	1023.0	-1	SE	3	or+	49	92	5	4000	Nb	10	-	10	0
Valencia (Cahirciveen)	1019.7	+1	SSE	1	o	52	92	6	450	St	10	-	10	3
Roches Point	1019.9	0	E	1	fo	50	97	2	<150	St	10	-	10	0
Pembroke(St.Ann's H.)	1020.2	-2	E'N	3	b-	53	92	6	1500	StCu	3	-	3	3
Ross-on-Wye	1022.1	0	SW	1	bc/	55	97	5	4000	StCu	4	ACu	5	•
Benson...	1022.1	0	S	1	o/r	57	97	7	-	Cu	2	-	2	•
Andover	1023.3	0	-	0	orr	53	91	5	4000	StCu	10	-	10	•
S. Farnborough ...	1022.5	0	-	0	mmo	56	92	6	4000	St	1	ACu	10	•
London (Kew Obsy.)...	1022.8	-1	S	1	o/r	57	92	5	2500	StCu	9	-	9	•
Croydon	1022.9	0	S	2	o/r	55	92	6	4000	StCu	7	ASt	10	•
Clacton-on-Sea ...	1022.8	-1	ESE	2	or+	51	97	5	5700	St	10	-	10	0
Shoeburyness... ...	1023.4	0	W'S	1	or.	52	92	5	4000	St	10	-	10	•
Grain	1023.3	0	S	1	or.	52	97	5	2500	St	7	ASt	10	•
Lympne	1023.3	0	SSE	1	c/r	55	85	6	5700	StCu	2	ACu	8	•
Scilly (St. Mary's) ...	1019.3	0	SE	2	b	52	92	6	-	-	0	-	0	1
Falmouth (Pendennis)	1020.2	+1	W	3	bc/r	54	85	7	4000	Cu	5	-	5	0
Plymouth(Cattewater)	1020.0	0	E	4	b	57	85	8	5700	StCu	1	ACu	3	0
Portland Bill	1021.8	-2	-	0	bc/r	55	85	7	-	StCu	6	ACu	6	0
Southampton(Ca.shot)	1020.0	+1	ESE	1	o+	54	97	6	7200	StCu	6	ACu	7	0
Dungeness	1023.4	+1	E	1	c/f	52	97	6	-	-	0	CiSt	7	0
Jersey 7h }	1021.5	0	E	2	o	64	66	6	4000	StCu	7	CuCu	9	2
Guernsey 1h }														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR.....2nd May.....

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 1st	Temperature. Max. Day. 2nd	Rainfall.† Night 17h.-9h. 1st-2nd	Rainfall.† Day 9h.-17h. 2nd	Sunshine. Sunrise to 17h. 2nd	Sunshine. Sunrise to Sunset. 1st
			°F.	°F.	mm.	mm.	hr.	hr.
Montrose	-	-	38	48	3	-	5.1	2.6
Llandudno	c	cbc	49	55	-	-	5.2	6.1
Colwyn Bay ...	bc	bc	49	54	-	-	5.0	7.5
Rhyl...	bc	bc	44	54	-	-	5.4	7.5
Southport	cbcb	bbcc	48	54	-	-	6.8	7.8
Blackpool	c	bcc	48	56	-	-	5.8	6.6
Ilkley	ocgcc	b	48	64	-	-	5.2	9.6
Harrogate	c	bcb	47	64	-	-	4.5	6.0
Skegness	cbc	bcb	48	59	-	-	6.1	1.8
Aberystwyth ...	roc	b	50	55	1	-	3.0	0.0
Bath	cbcb	bcco	42	66	-	-	3.5	1.3
Leamington Spa ...	bc	cbo	46	65	-	-	6.5	4.2
Lowestoft	ocbc	bc	49	66	-	-	4.7	1.8
Felixstowe	b	bcc3	45	63	-	-	9.9	2.8
Southend	bcc	bcc	46	68	-	-	10.2	1.6
Ilfracombe	bccp	cpo	49	66	-	2	5.1	0.6
Bude	cbcc	cor.	46	69	-	0.2	5.9	1.8
Penzance	bbc	cbc	49	64	-	-	6.3	1.4
Paignton	bcb	bcbcop	44	60	-	-	8.5	4.5
Torquay	b	bcpo	47	62	-	0.1	8.7	3.6
Weymouth	b	bc	45	63	-	-	10.2	7.5
Bournemouth ...	o	b	40	65	-	-	10.5	3.8
Portsmouth (S'thsea)	b	b	45	64	-	-	10.9	4.6
Worthing	b	b	42	65	-	-	11.5	4.7
Brighton	b	b	42	61	-	-	11.4	5.8
Eastbourne... ...	b	b	42	64	-	-	11.3	8.9
Hastings	bbcb	b	46	65	-	-	11.4	5.5
Folkestone	b	b	50	58	-	-	10.8	2.8
Tunbridge Wells ...	obcb	b	41	72	-	-	8.0	2.2
Ramsgate	bcb	b	44	63	-	-	9.8	2.2
Margate	bcb	bcbbc	46	63	-	-	9.0	2.3
Deal	b	bbz	43	62	-	-	10.0	3.3

TERMS OF SUBSCRIPTION.—6/8 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm § For code see page 3. ‡ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22443 Friday, 4th May, 1923.

Observations at 1300 G.M.T. 3rd — Observations at 1800 G.M.T. 3rd

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of ground.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1011·4	-3	SW	3	0s[illegible]	48	85	6	4000	Nb	10	-	10	•	1008·1	-3	WSW	3	ddg	45	97	6	4000	Nb	10	·	10	Z
Stornoway	1012·9	-3	SSW	5	0	49	75	7	800	St	10	-	10	•	1011·4	-2	SW	5	o	50	85	6	800	St	10	·	10	4
Wick	1013·2	-3	SSW	3	0	47	75	8	-	-	0	ACu	10	•	1011·1	-2	WSW	2	o	50	92	7	-	-	0	ACu	10	0
Castlebay	1016·3	-3	WSW	4	c-	49	85	8	2500	StCu	8	-	8	•	1015·2	-1	SW	4	c+	49	92	8	1500	St	8	·	8	4
Nairn	*	*	*	*	*	*	*	*	"	"	8	"	8	•	1012·1	*	W	4	c-	54	65	6	4000	StCu	7	·	7	4
Aberdeen	1015·3	-3	SW	3	o+	56	65	7	5700	StCu	4	ASt	9	0	1013·0	-3	SWW	3	c-	59	68	6	-	-	0	ACu	7	0
Malin Head	1017·7	-1	NW	3	bc	53	85	9	4000	Cu	1	CiCu	3	•	1016·0	-1	W'N	4	b	51	85	9	-	-	0	CiCu	2	0
Renfrew	1018·1	-2	SW	3	c+	59	65	7	2500	StCu	4	ACu	7	0	1016·0	-2	WSW	4	c	57	65	8	-	-	0	Cu	8	3
Edinburgh(Inchkeith)	1016·6	-4	WSW	3	mmc	54	75	5	-	St	4	ACu	9	•	1014·7	-1	WSW	3	c/m	55	65	7	-	-	0	CiSt	7	1
Leuchars	1016·2	-3	WSW	4	0	51	65	7	4000	StCu	3	ASt	10	0	1013·7	-3	WSW	4	o	59	55	8	4000	StCu	3	ASt	10	4
Eskdalemuir	1018·2	-2	SSW	4	c	57	65	7	4000	StCu	6	ACu	7	0	1016·5	-1	SSW	4	bc-	57	65	8	4000	StCu	7	CiSt	7	4
Tynemouth	1018·3	-2	SSW	1	bcm-	50	83	5	2500	St	2	CiCu	4	•	1016·5	-2	WNW	1	c	61	75	6	4000	StCu	7	-	7	1
Blacksod Point	1018·9	0	W	2	b	53	92	8	-	-	0	CiCu	2	•	1017·6	-1	W	4	bc	55	75	8	-	CuNb	8	-	8	0
Donaghadee	1019·1	-1	SSE	2	c+	56	75	8	4000	St	8	-	8	•	1017·1	-2	SSE	1	b-	55	85	8	-	-	8	CiSt	8	0
Birr Castle	1019·0	*	W	1	o+	57	85	8	4000	StCu	9	-	9	•	1018·5	*	W	2	o	57	85	8	4000	StCu	9	-	9	0
Holyhead	1018·3	-2	SW	3	b-	63	75	7	4000	Cu	2	Ci	2	0	1017·9	-1	SW	2	b	54	85	8	-	-	9	AST	1	0
Liverpool (Bidston)	1018·4	-3	E	1	bc-	65	65	6	2500	StCu	4	-	4	0	1016·8	-1	NW'N	2	b-	61	85	8	-	-	9	CiSt	1	0
Chester (Shotwick)	1018·6	-3	SE	3	c	71	55	7	4000	StCu	7	-	7	0	1016·8	0	NW	3	b-	63	75	8	-	-	0	Ci	0	0
Spurn Head	1019·9	-2	-	0	0	62	75	6	4000	Cu	9	-	9	•	1017·3	-2	SE	2	c	54	85	5	-	-	0	CCu	7	1
Nottingham	1019·5	-3	SW	2	c	70	65	7	2500	StCu	8	-	8	•	1016·4	-4	SW	2	b-	72	55	8	2500	Cu	2	Ci	3	*
Cranwell	1020·2	-2	W	3	0	67	65	6	4000	Cu	5	ACu	9	0	1017·4	-4	S	4	b-	69	65	8	-	-	2	AC	2	·
Gorleston	1021·3	-2	SE	2	c-	54	85	5	4000	StCu	8	-	8	•	1019·6	-1	S'E	2	bc	55	85	5	2500	St	5	-	5	0
Valencia (Cahirciveen)	1020·7	+2	SW'S	3	o	55	92	6	450	St	10	-	10	1	1019·5	-1	SW	2	o	54	92	7	800	St	7	AST	10	1
Roches Point	1019·4	0	SSW	2	o-	55	92	8	2500	StCu	9	-	9	•	1018·5	0	WSW	2	be	58	85	7	4000	StCu	3	-	3	0
Pembroke(St.Ann's H.)	1020·1	0	SE	1	b	55	65	7	-	-	0	-	0	•	1019·3	-1	WSW	2	FFo	48	97	8	450	St	10	·	10	3
Ross-on-Wye	1019·6	-3	SW'S	2	bc-	72	55	7	5700	StCu	3	CiCu	4	o	1017·9	-1	SW	3	b-	71	65	8	5700	Cu	1	Ci	2	3
Benson	1020·6	-3	S	3	b	72	65	8	"	Cu	2	-	2	0	1016·6	-3	SSW	3	b-	68	65	7	-	-	0	ACu	3	·
Andover	1020·8	-1	S'E	3	b-	71	55	7	-	-	0	ACu	3	0	1019·1	-1	S	1	b	67	75	8	-	-	0	ACu	3	·
S. Farnborough	1021·1	-1	S	2	bc-	73	55	8	-	-	0	ACu	6	1	1018·9	-2	SSW	2	bc	69	55	7	-	-	0	ACu	5	·
London (Kew Obsy.)	1021·3	-2	S	2	b-	70	55	8	-	-	0	ACu	3	1	1019·3	-1	SSW	3	bc	75	45	8	7200	StCu	4	Ci	6	·
Croydon	1021·2	-2	S'E	1	bc-	68	65	8	4000	StCu	3	CiCu	5	0	1019·2	-2	S	3	c	67	65	8	4000	StCu	1	Ci	7	·
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1019·6	-2	SE	2	bc	53	85	6	-	-	0	ACu	4	0
Shoeburyness	1022·0	-1	S'E	1	bc-	68	65	7	7200	StCu	3	ACu	4	*	1019·6	-3	SW	1	b-	63	75	7	-	-	0	CiSt	1	0
Grain	1022·0	-1	-	0	c	64	65	8	4000	StCu	8	-	8	0	1019·5	-2	S	3	c	66	65	8	7200	StCu	0	Ci	7	0
Lympne	1022·2	-1	SSE	2	o	59	85	6	4000	StCu	9	-	9	0	1020·0	-1	SE	1	bc	61	65	7	7200	StCu	3	CiSt	6	0
Scilly (St. Mary's)	1019·8	0	NNW	2	b+	51	85	6	4000	Cu	1	Ci	3	•	1020·4	0	NNE	3	FFo	50	97	1	225	St	10	·	10	2
Falmouth (Pendennis)	1020·0	-1	SE	1	b-	60	85	7	4000	Cu	3	-	3	•	1019·2	-3	-	0	b-	58	75	7	-	-	0	·	0	0
Plymouth(Cattewater)	1020·4	0	SW	2	b	60	85	7	-	-	0	ACu	1	0	1019·5	-1	-	0	b-	56	85	8	4000	StCu	1	·	1	0
Portland Bill	1021·6	0	E	3	b-	58	85	7	-	-	0	CiCu	3	•	1019·8	-4	ESE	3	b-	56	85	6	-	-	0	CiSt	2	0
Southampton(Calshot)	1021·6	-1	E'S	4	b-	57	85	7	-	-	0	ACu	1	0	1019·0	-3	ESE	3	b	56	85	6	-	-	0	-	0	0
Dungeness	1022·7	-1	SW'W	1	or	56	85	7	4000	StCu	10	-	10	•	1020·7	-2	E	1	c-	57	85	7	-	-	0	CiCu	7	0
Jersey	1021·7	0	E	2	b	72	55	7	-	-	0	Ci	2	•	1018·7	-1	E	2	b	75	55	7	-	-	0	-	0	0

LONDON OBSERVATIONS

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 hours ended 0900 G.M.T. 4th								Yesterday.		To-day.
Kew } 24 hours ended 0700 Croydon }	drrby	bcbcy	bcybw	*	*	39	-	-	8.2	*	*
	ob·3 1·0	bcbqc	cbmi	*	*	49	1·3	-	7.3	*	*
Greenwich (Royal Obsy.)		ebcr	bw	77	49	49	tr.	-	7.9	50	51
City (Bunhill Row)				*	*	*	*	*	6.0	*	*
Westminster (St. James' Pk.)				74	50	"	-	-	8.1	46	53
Regent's Pk. (Botanic Gdns.)				*	*	*	*	*		*	*
Camden Square	b	c		72	54	49	-	-	*	*	54
Kensington Palace	bbc	bbc		75	53	44	-	-	*	52(18h.)	53
Hampstead Observatory				74	54	43	-	-	8.4	*	55

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T. 3rd

South Kensington

Max.	Time.	Min.	Time.
0.3	18h.2m	0.3	4h.3m
0.6	7h.3m		

Kew Observatory

Max.	Time.	Min.	Time.
0.5	23h.2m	0.3	14h.3m
0.5	7h.3m		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 3rd. 20h. 30m. to 4th. 03h. 30m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	7.0	6.56	99
δ Ursae Minoris	7.0	6.46	97

CODE FOR STATE OF GROUND.

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per ½ sec.	Stren.	Direc. °
13h.	C	4	-	120
18h.	C	5	-	130
01h.	C	6	-	90
07h.	C	6	-	105

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

4th & 5th May, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4.19	11.50	7.20
	4.18	11.50	7.22
Greenwich	4.29	11.54	7.25
	4.28	11.54	7.26
Wick	4.14	12.9	8.4
	4.12	12.9	8.6
Valencia	5.8	12.36	8.8
	5.6	12.35	8.9

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
ip precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
z unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

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; i = intermittent; - = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";
Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
rr = continuous moderate rain.
$r_o r_o$ = continuous light rain.

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

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

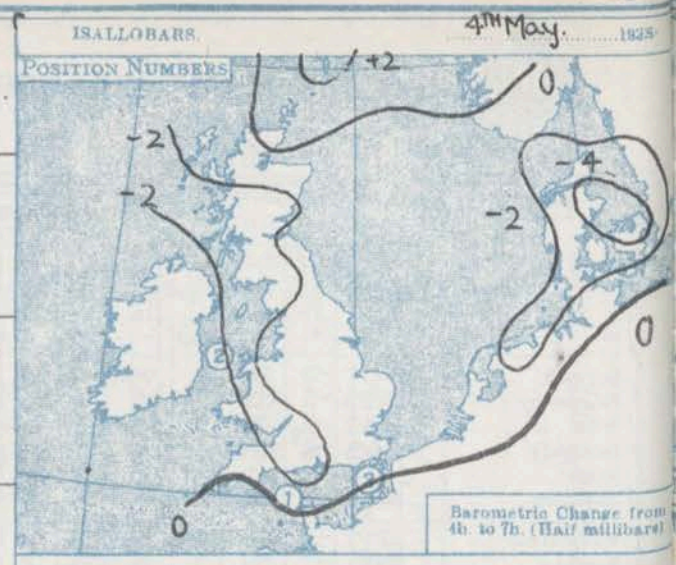
SEA DISTURBANCE.

0=no swell } Calm or
1=mod. swell } slight
2=heavy swell } sea.
3=no swell } Moderate
4=mod. swell } sea.
5=heavy swell }
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.–13h. 3rd	13h.–18h. 3rd	18h. 3rd to 1h. 4th	1h.–7h. 4th	TEMPERATURE. MAX. Day. 7h.–18h.	MIN. Night. 18h.–7h.	MIN. on GRASS	RAINFALL.† Day. 7h.–18h. mm.	Night. 18h.–7h. mm.	Precipitation began.	Precipitation began.	SUN. 3rd. Hours.
Lerwick	omr	omd	o	omrq	48	45	•	8	4	11·00	02.30	0·0
Stornoway	oo	oo	c	o	50	48	•	-	-	-	-	0·0
Wick	oo	oo	oo	bbc	50	47	•	-	-	-	-	•
Castlebay	or.d	o	o	o	50	48	•	-	-	-	-	3·6
Nairn	cq	cqq	cqbc	bcb	57	46	•	-	-	-	-	0·3
Aberdeen	bcco	oem	bc	bbc	59	44	30	-	-	-	-	3·4
Malin Head	bcv	bcv	bcvw	bccv	54	42	•	-	-	-	-	1·5
Renfrew	ocbc	c	cbc	bcom	61	35	26	-	-	-	-	6·4
Edinburgh(Inchkeith)	mm	mc	cb	bbcm	57	44	40	-	-	-	-	5·4
Leuchars	oco	oco	ocbcb	bb	61	40	32	-	-	-	-	3·0
Eskdalemuir	coc	cocbc	bcb	bccom	62	35	30	-	-	-	-	9·8
Tynemouth	bcFF	cm	bm	bbcm	61	48	43	-	-	-	-	•
Blacksod Point	b.bc	bbc		o	53	47	•	-	-	-	-	•
Donaghadee	c	bc	bc	c	59	45	•	-	-	-	-	•
Birr Castle	co	co	co	co	60	51	49	-	-	-	-	•
Holyhead	bcb	bq	cofe	fbcom	64	45	47	-	-	-	-	9·9
Liverpool (Bidston)	ocbcm	bm	bm	bm	68	49	41	-	-	-	-	7·7
Chester (Shotwick)	orombcz	cbcbq	bqm	bm.w	72	43	34	Trace	-	Lo800	-	8·7
Spurn Head	c	coq	oc3b	bbmm	62	49	•	Trace	-	Lo800	-	3·4
Nottingham	c	c	b	f:m	73	47	44	-	-	-	-	4·1
Cranwell	oo	ocbc	bm	bm	71	47	42	-	-	-	-	6·1
Gorleston	orcm	c.nbcm	b	bw	60	50	43	1	-	Lo800	-	2·4
Valencia (Cahirciveen)	omm	omo	c	omd	57	51	49	-	-	-	-	0·0
Roches Point	fo	oo	30	8w	61	49	f	-	trace	-	-	
Pembroke (St.Ann's H.)	b.bc	oFf	F	oFF	57	45	•	-	-	-	-	6·9
Ross-on-Wye	bcb	bq	bbw	bm.W	74	47	39	-	Trace	-	-	12·0
Benson	bcb	b	b	bw	73	44	38	-	0·1	-	-	•
Andover	orombq	bqb	b	bm	72	43	40	0·3	-	Lo800	-	3·7
S. Farnborough	opr bc	bbcfj	bcb	bm	74	47	42	0·1	-	Lo800	-	8·3
London (Kew Obsy.)	omby	bbbeq	bcybw	bwbmw	73	489	39	-	-	-	-	8·2
Croydon	op.cz	bcbqc	cbm	bmzw	72	55	49	Trace	-	11·00	-	7·3
Clacton-on-Sea	omrbcm	bcmqbq3	bc3	bc3bm	59	51	45	1	-	-	-	6·4
Shoeburyness	omrbbc	bcb	b	bm	72	49	40	0·2	-	Lo800	-	7·5
Grain	od.bc	cc	cbcb	bmbqw	70	50	43	trace	-	Lo800	-	8·9
Lympne	com	ocbc	bcbw	cbw	65	54	42	-	Trace	-	-	8·3
Scilly (St. Mary's)	bbcm	fb	ffc	fom	59	47	•	-	-	-	-	7·3
Falmouth (Pendennis)	bcb	b	bFF	f	60	46	•	-	-	-	-	12·9
Plymouth(Cattewater)	b	b	b	bbcc	67	48	39	-	-	-	-	11·5
Portland Bill	cbc	bc	bcb	bbc	58	52	•	-	-	-	-	•
Southampton(Calshot)	bcmb	b	bmm	mm	58	50	48	0·3	-	Lo800	-	9·5
Dungeness	p b	c	btc	c	61	52	•	Trace	-	11·00	-	•
Jersey		cb	bw	bw	78	55	•	-	-	-	-	12·8



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	3rd. 10h.	–	–	0	oe	51	48	7
1	3rd. 12h.	Reindeer	E	3	b	60	52	7

GENERAL INFERENCE.

The depression near Iceland will cause winds mainly from a westerly point over the British Isles, with cloudy periods and occasional rain or showers in Scotland. Farther south fine weather at first is likely to give place to thundery conditions perhaps followed on Saturday by a rather lower temperature.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Friday, 4th May, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Light or moderate indefinite to westerly winds; variable cloud, risk of thunderstorms; morning mist in places; very warm today, perhaps cooler tomorrow.	There are indications of conditions becoming less settled generally, but considerable fair periods are probable, particularly in the South.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Wind mainly westerly, light or moderate; cloudy at times, risk of local thunderstorms; some mist at times; rather warm inland today, perhaps cooler tomorrow.	
9. N. Midlands 10. N.E. England	As 1 to 4.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind westerly, light or moderate, fresh locally; mainly cloudy, occasional showers; visibility moderate to good; moderate temperature.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0920 G.M.T. G. C. SIMPSON, F.R.S., Director.

§ For Code see opposite page.

SYNOPTIC CHART FOR MORNING OF Friday, 4TH MAY, 1923.

Scale - 1:10,000,000

Nautical Miles

Statute Miles

992 990 988

28 32 Snow

LOW

10 37 Drizzle

0 37 O'cast

15 37 Heavy Showers

Barometric Changes Bar. Falling Slightly and Irregular

992 994 996 998 1000 1002 1004 1006 1008 1010 1012 1014 1016 1018 1020

19 46 Drizzle

28 43 O'cast

5 34 O'cast

21 47 Drizzle

5 43 Mist

28 50 O'cast

2 45 O'cast

0 54 Fine

0 49 Air 43 Sea Fine

0 45 Fog

2 49 Cloudy

2 46 O'cast

0 53 Fine

2 52 O'cast

10 49 O'cast

2 50 Fog

2 57 Fine

10 57 Fine

5 47 Fog

2 57 Fine

5 64 O'cast

5 50 O'cast

5 61 Fine

10 54 O'cast

2 64 Fine

2 57 Fine

2 61 Fine

HIGH

2 54 Fine

1022 Fine

5 63 Fine

2 57 Fine

1020

* Scandinavian Ship

0 79 Cloudy

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

EXPLANATION

BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. Direction is shown by arrows flying with the wind. Force, on the scale 0–12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.

TEMPERATURE is given in °F

WEATHER SYMBOLS: ○ clear sky, ◔ sky ¼ clouded; ◑ sky ½ clouded; ◕ sky ¾ clouded; ● overcast sky; • rain falling; ✱ snow; ✱ sleet; ▲ hail; ≡ fog; ≡° mist; T thunder; ℞ thunderstorm

SEA DISTURBANCE: ~~~ Rough, ≈≈≈ High

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

0.	Dense fog. Objects not visible at	55	yards
1.	Rather thick fog	220	"
2.	Very bad	550	"
3.	Bad	1,100	"
4.	Very poor	1¼	miles.
5.	Poor	2	"
6.	Moderate	5	"
7.	Good	12	"
8.	Very good	31	"
9.	Excellent.	Beyond 31	"

Low Cloud.

TEMPERATURE, WEATHER, SEA

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.....Friday, 4th May.....1923. No. 124.

Observations at 0100 G.M.T. 4th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1006.8	0	W	5	0	47	92	7	-	-	0	ASt	10	•
Stornoway	1010.5	-1	SW	3	0	•	•	5	•	•	•	•	•	•
Wick	1005.5	-1	NSW	3	0	48	86	9	4000	Cu	4	ACu	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1015.3	-2	SSW	1	b-	43	92	9	-	-	0	-	0	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1014.5	+1	WSW	3	b	47	85	7	-	-	0	ACu	1	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1015.8	0	W	1	b	50	97	7	-	-	0	-	0	•
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1017.5	-1	S'E	3	mmb	50	97	4	450	St	10	-	10	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1016.1	0	WSW	3	mb	52	92	4	-	-	0	-	0	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1017.3	0	W	3	b	54	92	6	-	-	0	-	0	•
Gorleston	1018.3	-1	SSE	2	b	50	97	7	-	-	0	-	0	•
Valencia (Cahirciveen)	1018.8	0	-	0	c	52	97	9	-	Cu Nb	8	-	8	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1018.6	-1	W	1	F fo	47	97	1	<150	St	10	-	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover		•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...		•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...		•	•	•	•	53	•	•	•	•	•	•	•	•
Croydon	1019.0	-1	S	3	b	56	85	6	-	-	0	-	0	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1019.0	-2	S'W	1	bc	57	85	7	-	-	0	ACu	5	•
Scilly (St. Mary's) ...	1018.8	0	-	0	F fo	45	97	1	1500	St	10	-	10	•
Falmouth (Pendennis)	1018.1	-1	NNE	3	F fo	48	97	1	220	St	10	-	10	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1018.6	-2	ESE	2	b-	54	92	7	-	-	0	-	0	•
Southampton (Ca. shot)	1018.4	-2	ENE	1	mb	51	97	4	-	-	0	-	0	•
Dungeness	1019.5	-1	-	0	bc	56	83	7	4000	Cu	6	-	6	•
Jersey 7h }														•
Guernsey 1h }														

Observations at 0700 G.M.T. 4th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
[illegible]	[illegible]	+2	WSW	5	od	47	97	5	4000	Nb	10	-	10	4
[illegible]	[illegible]	-1	SW	6	o	50	85	7	800	St	10	-	10	3
1009.9	0	NNW	4	b	53	75	9	4000	Cu	1	Cu	8	3	
1011.3	-2	SW	4	Cb	48	85	8	4000	StCu	8	-	8	4	
1010.5	•	W	2	b	51	83	7	4000	Cu	2	-	2	•	
1011.8	0	-	0	b	54	73	7	-	-	-	-	0	•	
1012.4	-1	SW	1	cjb	49	85	9	5700	Nb	5	ASt	8	0	
1014.2	-2	SW	1	•	46	85	5	2500	StCu	10	-	10	•	
1013.5	0	W	1	mb	46	85	6	-	StCu	1	-	1	•	
1012.1	-1	W	3	b	50	55	8	-	-	0	-	0	•	
1014.8	-2	SW	3	o	49	92	4	450	St	10	-	10	•	
1015.1	0	-	0	b	53	92	5	-	-	0	-	0	•	
1012.7	-2	SW	4	o	52	97	7	-	-	-	ASt	10	4	
1015.6	-1	WSW	1	c	49	92	8	2500	St	8	-	8	•	
1016.2	•	SW	1	o	52	92	7	2500	StCu	9	-	9	•	
1016.4	-2	SW	3	o	49	97	5	4000	StCu	10	-	10	•	
1016.0	-1	S	1	bc	53	85	5	2500	St	1	-	1	•	
1016.1	-1	SE	2	b	50	92	4	-	-	0	-	0	•	
1016.4	0	WSW	1	mmb	50	92	4	-	-	0	-	0	•	
1016.7	0	WSW	1	•	50	97	2	1500	St	10	-	10	•	
1017.2	0	W	1	b	53	92	3	-	-	0	-	0	•	
1017.0	-1	WSW	1	b	52	85	6	-	-	0	-	0	•	
1017.1	0	SSW	2	od	53	92	6	450	St	10	-	10	0	
1017.5	0	NW	1	o	60	97	8	1500	St	10	-	10	0	
1017.5	-1	S	2	F fo	47	97	1	<150	St	10	-	10	3	
1016.5	-1	-	0	mb	54	85	5	-	-	0	-	0	•	
1016.1	-1	-	0	b	53	83	8	-	-	0	-	0	•	
1017.0	-2	-	0	bc	52	97	5	-	-	0	Cu	5	•	
1016.8	0	SE	1	mmb	56	85	5	-	-	0	CuSt	2	•	
1017.0	-1	WS	1	b	54	85	5	-	-	0	-	0	•	
1017.3	-1	SSE	2	b	63	65	6	-	-	0	CuSt	1	•	
1017.4	-1	W	2	mb	56	85	4	-	-	0	ASt	2	0	
1017.5	-1	WSW	2	mb	63	65	5	-	-	0	-	0	•	
1017.4	-3	-	0	b	61	75	5	-	-	0	-	0	•	
1017.9	-1	S'W	1	b-	60	75	7	-	-	0	ACu	2	•	
1018.5	0	W'N	2	o	50	97	7	4000	StCu	10	-	10	2	
1017.4	0	NNW	4	mc	48	97	6	800	St	10	-	10	2	
1017.2	0	NW	2	c	49	92	7	-	-	0	CuSt	7	0	
1016.9	-3	E	3	bc	55	92	6	-	-	0	CuSt	3	0	
1016.8	-3	ESE	3	bc	55	85	6	-	-	0	CuSt	5	0	
1018.5	-1	SW	1	b	56	92	6	-	-	0	CuCu	3	0	
1018.1	0	SSE	2	b	61	65	6	-	-	0	-	0	2	

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 3rd May.

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 2nd °F.	Temperature. Max. Day. 3rd °F.	Rainfall.† Night 17h.-9h. 2nd-3rd mm.	Rainfall.† Day 9h.-17h. 3rd mm.	Sunshine. Sunrise to 17h. 3rd hr.	Sunshine. Sunrise to Sunset. 2nd hr.
Montrose	*	*	41	58	-	-	2·8	7·2
Llandudno	bcb	b	48	65	-	-	8·4	6·9
Colwyn Bay ...	bc	bc	46	63	-	-	7·5	7·0
Rhyl	cbc	bg	47	65	-	-	8·3	6·7
Southport	ocbcb	bbcb	47	63	-	-	5·7	7·0
Blackpool	moc	bz	43	63	-	-	3·4	6·0
Ilkley	cbcbc	b	48	68	-	-	4·3	5·2
Harrogate	bcobc	bcb	41	68	4	-	4·3	4·8
Skegness	ocb	b	46	69	-	-	6·2	6·1
Aberystwyth ...	rcb	b	50	68	4	-	11·0	3·5
Bath	bcb	b	51	76	1	-	8·6	3·5
Leamington Spa ...	bc	bc	53	75	-	-	7·0	6·5
Lowestoft	oro	oco	47	68	1	1	2·2	4·8
Felixstowe	rnd	bcm	49	59	0·4	2	4·6	10·2
Southend	oc	bc	50	70	2	-	6·2	10·4
Ilfracombe	b	bbc	52	71	1	-	9·7	3·1
Bude	wbcb	bcb	52	72	1	-	10·4	5·9
Penzance	b	bz	53	61	-	-	11·0	7·3
Paignton	bbc	bc	49	61	1	-	10·1	8·6
Torquay	b	b	52	67	1	-	10·0	8·7
Weymouth	cb	b	51	64	1	-	9·2	10·2
Bournemouth ...	b	b	51	64	1	-	9·8	10·0
Portsmouth (S'thsea)	ocb	bb	53	63	4	-	7·2	11·1
Worthing	obcb	b	50	62	3	-	8·0	12·5
Brighton	bcob	b	51	64	3	-	7·1	12·2
Eastbourne	corooc	bcb	50	63			8·6	12·3
Hastings	cod.	d.bbc	51	65	1	0·2	7·0	12·6
Folkestone	b	b	46	65	-	-	8·0	12·4
Tunbridge Wells ...	bcc	bcb	48	71	0·3	-	6·5	8·8
Ramsgate	bcb	bbc	50	65	1	-	5·7	10·5
Margate	ocbc	bbc	48	70	1	-	4·4	9·2
Deal	orebc	bbbc	46	71	1	-	9·0	10·6

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm ‡ For code see page 3 § See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22444 Saturday, 5th May, 1923.

Observations at 1300 G.M.T. 4th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1009·6	+1	WSW	5	bc	49	85	6	-	-	0	CiCu	6	•
Stornoway	1007·0	-2	SW	6	bc-	53	76	7	4000	Nb	6	-	6	•
Wick	1007·5	-2	S	3	bc	53	75	9	4000	Cu	2	Cu	5	•
Castlebay	1009·0	-2	SE	4	fo	48	97	3	800	St	10	-	10	•
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1008·5	-3	NE	2	b+	59	65	7	-	-	0	CiCu	1	0
Malin Head	1010·3	-1	SW/W	4	cr.	56	85	9	5700	StCu	10	-	10	•
Renfrew	1012·2	-2	WSW	3	0	56	75	6	2500	St	10	-	10	0
Edinburgh(Inchkeith)	1011·5	-2	WSW	2	0/m	53	75	7	-	StCu	10	-	10	•
Leuchars	1010·2	-2	WSW	4	0	Gl	65	6	4000	StCu	7	ACu	9	0
Eskdalemuir	1013·2	-2	SSW	5	0	53	75	7	2500	StCu	10	-	10	0
Tynemouth	1012·8	-1	S	1	bc	56	85	5	2500	St	2	ACu	4	•
Blacksod Point	1011·5	-2	SW	5	o+	53	92	7	-	CuNb	9	-	9	•
Donaghadee	1014·1	-1	WSW	3	o+	58	65	8	2500	St	9	-	9	•
Birr Castle	1014·8	*	S	1	c-	57	75	8	4000	StCu	8	-	8	•
Holyhead	1016·2	-0	S	3	o-	52	92	6	450	St	9	-	9	0
Liverpool (Bidston)	1015·5	0	WNW	2	bc-	57	65	7	4000	StCu	3	CiSt	5	•
Chester (Shotwick)	1015·3	-1	WNW	4	o+	59	55	8	4000	St	4	ASt	10	0
Spurn Head	1014·5	-2	ESE	2	c	58	75	7	5700	Cu	5	CiSt	7	•
Nottingham	1014·5	-2	WSW	3	o+	59	65	7	-	-	0	CiSt	9	•
Cranwell	1015·0	-3	SW	2	c	72	55	6	4000	Cu	2	ACu	8	0
Gorleston	1016·3	-1	SE	4	b+	57	85	6	-	-	0	CiCu	2	•
Valencia (Cahirciveen)	1016·6	0	SW	4	c-	56	75	8	1500	StCu	8	-	8	!
Roches Point	1017·1	0	SW	2	0	57	85	8	1500	StCu	10	-	10	•
Pembroke(St.Ann's H.)	1017·7	0	W	2	b/f	51	97	7	4000	Cu	3	-	3	•
Ross-on-Wye	1014·3	-1	SW	2	c@	70	65	6	-	-	0	CiSt	7	0
Benson	1014·6	-2	SW	4	bc+	75	65	8	-	-	0	Ci	3	0
Andover	1015·5	-0	WSW	4	c+	72	55	7	-	-	0	Ci	8	•
S. Farnborough	1015·4	0	SSW	4	c+	74	45	8	-	-	0	CiSt	9	0
London (Kew Obsy.)	1015·0	-2	SW	4	b	75	45	8	-	-	0	Ci	3	0
Croydon	1015·6	-1	SSW	4	c+	75	55	8	5700	StCu	1	Ci	7	0
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1015·8	-1	SSW	3	b/m	76	58	7	-	-	0	Ci	3	•
Grain	1015·7	-2	SSW	5	b+	77	45	8	-	-	0	CiSt	3	0
Lympne	1016·3	-2	SW	4	b+	70	65	7	-	-	0	CiSt	3	0
Scilly (St. Mary's)	1020·4	+1	WIN	2	o+	57	88	7	4000	StCu	10	-	10	•
Falmouth (Pendennis)	1018·7	0	NW	3	o/f	57	75	8	5700	Cu	3	-	9	•
Plymouth(Cattewater)	1017·4	+0	SSW	1	b	63	75	7	4000	StCu	1	-	1	0
Portland Bill	1016·9	0	NWIN	2	bc+	56	92	6	-	-	0	CiCu	5	•
Southampton(Calshot)	1017·2	+1	SSW	4	o+	55	85	8	450	St	4	ACu	9	0
Dungeness	1017·7	-1	SW	3	b	61	75	8	-	-	0	CiCu	2	•
Jersey	1019·6	0	WNW	3	0	57	85	6	1500	St	10	-	10	•

Observations at 1300 G.M.T. 4th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sun. 0-9
Lerwick	1008·1	-1	SSW	2	o	47	85	6	4000	Nb	6	ASt	10	-
Stornoway	1004·5	-3	SW	5	o+	50	92	6	450	St	10	-	10	4
Wick	1006·3	-1	NW	1	o+	52	75	9	2500	Nb	6	ACu	9	0
Castlebay	1006·4	-2	SW	4	o	50	75	5	450	Nb	10	-	10	4
Nairn	1006·8	«	W	3	bc+	57	75	8	4000	Cu	4	CiCu	6	1
Aberdeen	1008·1	+2	WSW	4	b-	62	83	7	4000	StCu	1	-	1	0
Malin Head	1009·4	-1	WSW	5	cr.	53	92	8	5700	Nb	6	ACu	8	1
Renfrew	1010·6	-3	SW	4	o-	55	75	7	5700	StCu	9	-	9	3
Edinburgh(Inchkeith)	1009·9	-1	W	4	o+	53	75	7	*	StCu	10	-	10	•
Leuchars	1009·2	0	WSW	4	o+	53	65	7	2500	StCu	8	-	8	0
Eskdalemuir	1012·5	-1	SW	5	o	52	85	7	2500	StCu	10	-	10	0
Tynemouth	1012·0	+1	W	1	b	61	65	7	-	-	0	CiCu	2	•
Blacksod Point	1010·4	-1	SW	5	cr.	51	92	7	*	Nb	10	-	10	1
Donaghadee	1013·1	-2	SW	5	c-	57	85	9	4000	Cu	7	-	7	1
Birr Castle	1013·7	*	W	3	c-	59	68	9	2500	Cu	7	-	7	1
Holyhead	1013·4	-1	SW'S	3	o	52	86	8	4000	StCu	9	-	9	2
Liverpool (Bidston)	1013·0	-1	W'N	3	o+	55	75	9	2500	St	10	-	10	3
Chester (Shotwick)	1012·9	-1	W	4	c+	58	75	8	4000	StCu	8	Cu	8	•
Spurn Head	1012·8	-2	WNW	3	c	56	85	5	-	-	0	Cu	1	2
Nottingham	1013·2	-1	WNW	3	b-	69	65	7	-	-	0	Cu	4	•
Cranwell	1013·3	-1	W	1	b-	69	65	9	-	-	0	CiCu	3	0
Gorleston	1013·4	-2	NW	2	c+	72	65	6	-	-	0	CiCu	7	0
Valencia (Cahirciveen)	1014·9	-2	S	3	c-	54	85	8	1500	StCu	10	Cu	10	1
Roches Point	1016·2	-1	SW	2	c-	54	85	8	1500	StCu	3	Cu	7	0
Pembroke(St.Ann's H.)	1017·4	-1	WSW	3	c	50	97	8	4000	StCu	8	-	8	2
Ross-on-Wye	1015·2	0	W'S	1	b-	64	83	8	-	-	0	ACu	1	•
Benson	1015·0	-1	WSW	3	b-	71	65	8	«	Cu	1	-	1	•
Andover	1015·6	0	W	2	b-	68	65	7	4000	Cu	3	-	3	•
S. Farnborough	1015·8	0	SW	3	bc	69	65	7	-	-	0	ACu	3	•
London (Kew Obsy.)	1015·1	0	SSW	3	b	75	55	8	-	-	0	Ci	3	•
Croydon	1015·6	0	S	4	bc-	71	75	8	-	-	0	ACu	6	•
Clacton-on-Sea	1014·7	0	SSW	4	c+	62	75	7	-	-	0	CiSt	7	0
Shoeburyness	1015·3	-1	ESE	3	bc-	65	75	8	7200	Cu	1	CiSt	6	0
Grain	1015·5	+1	SSW	4	c+	67	65	8	-	-	0	CiSt	8	0
Lympne	1016·5	0	-	0	o+	61	85	8	7200	StCu	2	CiSt	9	•
Scilly (St. Mary's)	1018·5	-1	NW	2	o	53	85	7	4000	StCu	10	-	10	1
Falmouth (Pendennis)	1017·6	-1	N	2	o/m	55	75	8	7200	Cu	5	-	5	0
Plymouth(Cattewater)	1017·2	0	N	4	bc	58	75	8	-	-	0	ACu	6	3
Portland Bill	1016·9	0	NW	2	b	56	92	6	-	-	0	ACu	3	3
Southampton(Calshot)	1016·8	0	SW	4	c	55	85	7	-	-	0	Ci	3	0
Dungeness	1016·6	-1	SW	3	bc+	56	85	8	-	-	0	CiCu	6	3
Jersey	1017·3	-1	WNW	3	b	55	75	6	-	-	0	CiCu	3	0

LONDON OBSERVATIONS.

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 HOURS ENDED 0900 G.M.T. 5th								YESTERDAY.		TO-DAY.
Kew } 24 hours ended 0700 Croydon }	bnsvby / bcy	oybob / obcy@	bbcbbw / bcbc	*	*	43 / 45	-	-	12·3 / 12·2	*	*
Greenwich (Roy. Obsy.)	b	bo	bwcpo	80	52	46	-	-	12·3	48	64
City (Bunhill Row)	*	*	*	*	*	*	*	*	10·1	*	*
Westminster (St. James' Pk.)	*	*	*	80	54	*	-	-	12·2	46	66
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*	12·3	*	*
Camden Square	by	bc	*	82	55	50	-	-	*	*	69
Kensington Palace	bcb	b	*	81	59	47	-	-	*	58(18h)	66
Hampstead Observatory	*	*	*	80	53	43	-	-	12·9	*	66

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1800 G.M.T. 4th

South Kensington

Max.	Time	Min.	Time
0·3	21h 3rd	0·3	3h 4th
1·0	8h 4th		

Kew Observatory

Max.	Time	Min.	Time
0·3	21h 3rd	<0·3	10h 3rd
0·5	7h 3h 4th		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 4th 20h 30m to 5th 3h 30m

Stars.	Exposure. h. m.	Record. h. m.	Record. o / o
Polaris	7·0	3 56	85
♃ Ursae Minoris	7·0	5 40	81

CODE FOR STATE OF GROUND.

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1200 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.†

Time.	Type.	No. per ½ hr.	Stren.	Direc.
13h.	C	6	-	130
18h.	C, C2	6	-	173
21h.	C	6	-	140
07h.	C	6	-	120

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

5th & 6th May, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4.16 / 4.16	11.50 / 11.50	7.22 / 7.24
Greenwich	3.28 / 3.26	11.51 / 11.51	7.26 / 7.28
Wick	4.12 / 4.10	12.3 / 12.3	8.6 / 8.8
Valencia	5.6 / 5.6	12.38 / 12.38	8.9 / 8.10

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ lins squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
ip precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
v unusual visibility. y dry air.
z dust haze: the turbid atmosphere of dry weather.

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; i = intermittent; - = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";
Capital letters indicate intense, suffix c indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
rr = continuous moderate rain.
rcrc = continuous light rain.

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

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

SEA DISTURBANCE.

0=no swell } Calm or
1=mod. swell } slight
2=heavy swell } sea.
3=no swell } Moderate
4=mod. swell } sea.
5=heavy swell }
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

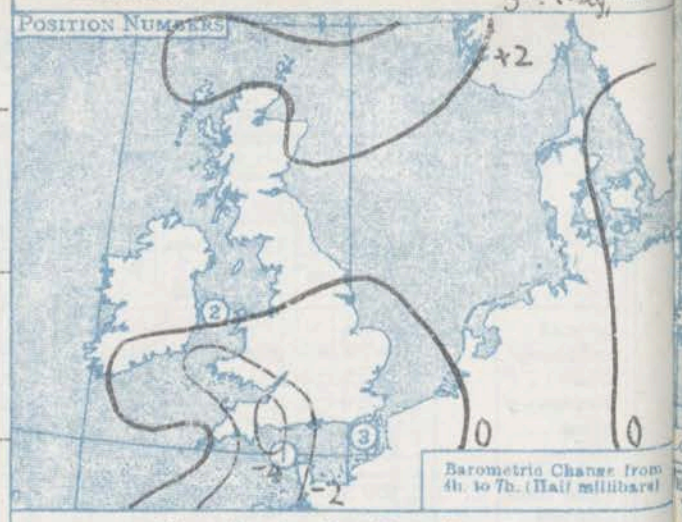
† For explanation see Introduction.
* Information for these columns not usually received.
‡ The barometric change is expressed in half millibars.
§ For code see page 2.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.–13h. 4th	13h.–18h. 4th	18h. 4th to 1h. 5th	1h.–7h. 5th	TEMPERATURE. MAX. Day. 7h.–18h.	MIN. Night. 18h.–7h.	MIN. on GRASS	RAINFALL.† Day. 7h.–18h. mm.	Night. 18h.–7h. mm.	Precipitation began.	Precipitation began.	SUN. 4th Hours.
Lerwick	cq	o	owr	c	51	44	·	–	0.3	–	<2100	1.4
Stornoway	c	p	c	cpr	54	46	·	0.3	3	–	–	0.4
Wick	b-bc	oo	c	c	61	45	·	·	–	–	–	·
Castlebay	odF	tqf	rqqo	orro	50	46	·	Trace	2	–	–	1.8
Nairn		bq	bqbc	bcc	cq	64	48	·	–	–	–	–	12.2
Aberdeen		by	by	b	bbc	68	50	35	–	–	–	–	14.2
Malin Head	capy	cow	cov	cobcw	58	48	·	0.4	–	0900	–	0.3
Renfrew	amz	03	obo	obcb	57	49	47	–	0.2	–	2400	0.4
Edinburgh (Inchkeith)	bmo	oo	obc	oo	55	50	47	–	–	–	–	5.3
Lochars	bboz	ozbcoc	cbo	oid	64	50	42	–	0.1	–	–	7.9
Eskdalemuir	amafo	ocoo	omw	o	57	45	44	–	–	–	–	0.9
Tynemouth	b-bcm	b-bc	bbcm	bbcm	67	49	44	–	–	–	–	·
Blacksod Point	c	oo	o	c	50	46	·	0.3	–	–	–	·
Donaghadee	co	c	bc	bc	59	48	·	–	–	–	–	·
Birr Castle	co	co	co	co	62	47	42	–	–	–	–	·
Holyhead	ogm	oo	ocbcb	bccw	56	47	47	–	–	–	–	2.8
Liverpool (Bidston)	ocbcm	co	bcm		58	46	39	–	–	–	–	6.9
Chester (Shotwick)	bmco	bbc	cbcb	bbcw	63	41	32	–	–	–	–	7.9
Spurn Head	c	c	bbc	c	62	48	·	–	–	–	–	3.8
Nottingham	b-bcm	b-bc	b	bbc	72	46	41	–	–	–	–	7.1
Cranwell	bbcc	c	bm	bbco	73	46	38	–	–	–	–	12.0
Gorleston	bz	bzbcz	bcwf	bcbcm	78	52	44	–	–	–	–	12.4
Valencia (Cahirciveen)	oidc	oo	o	cocw	57	49	45	–	–	–	–	1.1
Roches Point	oo	oc	o	bwo	57	50	·	–	trace	–	–	·
Pembroke (St. Ann's H.)	oFbc	c	ooV	o	52	48	·	–	–	–	–	3.8
Ross-on-Wye	bmcz	bczb	bb	wbmco	71	43	38	–	–	–	–	12.9
Benson	bbc	bcb	bbc	bccw	76	44	38	–	–	–	–	·
Andover	bcmc	cybcb	bccbc	bcco	73	44	40	–	–	–	–	12.0
S. Farnborough	bbcc	cocbc	bccm	cr3	76	47	44	–	–	–	–	12.4
London (Kew Obsy.)	bmwbz	cybcb	bbcbb	bwbcmw	77	52	43	–	–	–	–	12.3
Croydon	bcy	cobcyc	bcbc	cwbcm	76	53	45	–	–	–	–	12.2
Clacton-on-Sea	bmz	bbccz	c3	c3m	66	52	47	–	–	–	–	12.0
Shoeburyness	bmbv	bvbc	bc	bcmw	78	49	42	–	Trace	–	–	12.1
Grain	bmb	bybc	cbb	bbcmw	74	52	46	–	Trace	–	–	12.1
Lympne	b-bc	bbcc	cbbcw	cow	72	49	44	–	Trace	–	–	11.5
Scilly (St. Mary's)	bcc	c	bcc	c	57	46	·	–	–	–	–	4.4
Falmouth (Pendennis)	fbc	bc	bcb	bc	58	46	·	–	1	–	0630	8.0
Plymouth (Cattewater)	cb	bbc	b	borL	65	47	48	–	Trace	–	–	10.8
Portland Bill	bcc	cbc	bbc	bcc	58	47	·	–	–	–	–	·
Southampton (Calshot)	c	c	bbc	com	65	49	46	–	–	–	–	12.0
Dungeness	b-bc	c	c	c	63	50	·	–	–	–	–	·
Jersey	bco	ocb	o	omo	65	49	·	–	–	–	–	12.8

ISALLOBARS. 5th May, 1923.

POSITION NUMBERS



Barometric Change from 4h. to 7h. (Half millibars)

Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility
2	4th 10h	Cambria	SSE	3	c	53	49	7
3	5th 2h	–	–	0	b	54	51	7

GENERAL INFERENCE.

Depressions near Iceland will maintain W. or S.W. winds over the northern half of the Kingdom with variable cloud and local showers. A depression developing over Northern France will cause more cloud than of late in the South where some rain or showers and local thunderstorms are probable, and where day temperatures will be lower than on Friday.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Saturday, 5th May, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Light indefinite winds; varying cloud, some rain or showers in most places with thunder locally; morning mist; continuing warm but day temperatures mostly lower than on Friday.	Rather unsettl generally but fair periods in most districts.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Light southwesterly to indefinite winds; varying cloud, local showers, perhaps thunder; morning mist; rather warm inland during day.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Wind mainly southwesterly, light or moderate; mainly fair, risk of local showers; visibility moderate or good; rather warm.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland	Wind mainly southwesterly, light or moderate; varying cloud, local showers; visibility moderate or good; moderate temperature.	
19. S.E. Ireland 20. S.W. Ireland	As 7 - 10.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 1930 G.M.T. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.

SYNOPTIC CHART FOR MORNING OF Saturday, 5th. MAY, 1923.

Scale - 1:10,000,000

Nautical Miles

Statute Miles

Barometric Changes slight and Irregular.

Barometer Falling slowly

Barometer Rising slowly

LOW

HIGH

LOW

HIGH

Snow

Sleet

Fair

Cloudy

Rain

Drizzle

Showers

Fine

Overcast

Barometer

Fine

Fine

Fine

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.....Saturday..5th May.....1923. No. 125.

Observations at 0100 G.M.T.....5th.....

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1015.9	-2	S	1	cr.	45	97	6	4000	Nb	10	-	10	•
Stornoway	1005.0	0	WSW	3	o	•	•	5	•	•	•	•	•	•
Wick	1005.7	0	SW	3	c	49	75	9	4000	Nb	5	Ci	7	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1008.4	-1	SSW	5	c	51	85	8	5700	StCu	7	-	7	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh(Inchkeith)	1010.1	+1	WSW	3	c+	50	85	8	-	-	0	ASt	7	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1013.5	0	W	1	b	50	85	6	-	-	0	CiCu	3	•
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1014.1	-1	SW'S	3	b-	49	92	8	2500	Cu	1	-	1	•
Liverpool (Bidston)...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1013.2	0	W	1	c+	51	85	7	4000	StCu	7	-	7	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1016.2	+2	-	0	b+	47	92	6	-	-	0	CiSt	3	•
Gorleston	1015.3	+1	NW	1	b[illegible]	57	85	7	4000	Cu	2	-	2	•
Valencia (Cahirciveen)	1013.8	-2	W	3	o+	52	92	6	-	-	0	ASt	3	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke(St.Ann's H.)	1016.8	-1	SW	3	o	50	75	9	4000	StCu	10	-	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)...	•	•	•	•	•	54	•	•	•	•	•	•	•	•
Croydon	1016.5	0	SW	1	c+	54	97	7	4000	StCu	4	ACu	7	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1016.3	0	SSW	1	c+	52	92	8	-	-	0	ACu	7	•
Scilly (St. Mary's) ...	1016.7	-2	-	0	c	48	92	8	4000	Cu	3	ACu	7	•
Falmouth (Pendennis)	1016.4	0	NE	2	b[illegible]	47	92	7	-	-	0	-	0	•
Plymouth(Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1016.9	.0	NNW	2	b	52	92	6	-	-	0	ACu	3	•
Southampton(Ca.shot)	1016.6	-1	NW'N	1	c	50	97	7	5700	StCu	5	ACu	7	•
Dungeness	1016.9	0	SW	2	c	51	97	8	-	-	0	ACu	8	•
Jersey 7h }														
Guernsey 1h }														

Observations at 0700 G.M.T.....5th.....

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1005.1	+1	WSW	2	bc-	49	75	6	-	-	0	ACu	6	5
Stornoway	1003.3	+2	WSW	6	obc	47	85	6	800	StCu	9	CiSt	9	0
Wick	1003.5	+1	SSW	3	c	48	75	8	-	Nb	10	-	10	3
Castlebay	1006.0	0	W	2	o/r	47	92	8	800	StCu	7	-	7	•
Nairn	1006.3	•	SW	1	c+	52	75	8	4000	-	0	CiCu	2	•
Aberdeen	1008.8	+2	SW	2	b+	52	85	7	-	-	0	-	0	•
Malin Head	1008.1	0	SW	5	bc	51	85	8	4000	Cu	2	CiCu	5	4
Renfrew	1010.5	0	WSW	3	bc+	52	85	6	2500	StCu	6	-	6	3
Edinburgh(Inchkeith)	1009.3	0	WSW	4	c-	50	85	6	-	StCu	2	ACu	7	•
Leuchars	1007.4	0	SW	3	o/r	51	85	7	1500	St	6	-	10	•
Eskdalemuir	1012.0	0	SSW	5	o	48	85	7	800	St	10	-	10	•
Tynemouth	1013.3	0	S	1	b	52	85	6	-	-	0	CiCu	2	0
Blacksod Point ...	1008.8	-1	SW	5	o	52	85	7	-	-	0	ASt	9	4
Donaghadee	1012.0	0	WSW	3	bc-	53	85	8	2500	StCu	3	ACu	8	2
Birr Castle	1012.0	•	SW	3	c+	52	85	8	4000	StCu	8	-	8	•
Holyhead	1014.2	0	SW'S	3	c	49	92	8	2500	St	8	ACu	8	1
Liverpool (Bidston)...	1014.4	0	SE'S	1	c	50	83	7	800	Cu	5	CiCu	7	2
Chester (Shotwick) ...	1014.4	-1	SE	2	bc	49	92	5	4000	StCu	1	Ci	4	0
Spurn Head	1015.1	0	SSW	1	o	52	85	6	4000	StCu	10	-	10	1
Nottingham	1014.9	0	WSW	1	bc+	51	83	6	4000	Cu	4	-	4	•
Cranwell	1016.0	0	W	1	o+	51	85	6	1500	StCu	10	-	10	5
Gorleston	1016.1	0	-	0	bc	53	85	6	2500	Cu	5	-	5	0
Valencia (Cahirciveen)	1012.6	-1	S	2	c-	51	92	6	800	St	2	ACu	8	0
Roches Point	1013.8	-1	E	1	o	50	97	8	4000	StCu	10	-	10	0
Pembroke(St.Ann's H.)	1015.1	-2	-	0	o	50	75	8	4000	StCu	10	-	10	2
Ross-on-Wye	1015.2	-1	ESE	1	o⊕	51	85	7	-	-	0	ACu	9	•
Benson...	1014.6	-1	-	0	c	51	92	7	-	Cu	4	ASt	8	•
Andover	1014.8	-2	-	0	o+	51	97	6	4000	Cu	8	ASt	10	•
S. Farnborough ...	1014.6	0	-	0	mc	55	65	6	5700	Cu	1	ACu	7	•
London (Kew Obsy.)...	1015.0	-1	-	0	bc	58	85	6	2500	Cu	3	CiSt	5	•
Croydon	1015.3	-1	-	0	bc	59	85	6	5700	StCu	3	CiSt	5	•
Clacton-on-Sea ...	1015.7	0	ESE	2	mc	55	92	4	-	-	0	ACu	7	0
Shoeburyness	1015.5	0	-	0	mbc	60	85	5	-	-	0	ASt	4	0
Grain	1015.3	0	-	0	bc	57	85	5	-	-	0	CiSt	5	0
Lympne	1015.3	-1	ESE	3	c	60	75	6	-	-	0	ACu	8	•
Scilly (St. Mary's) ...	1014.9	0	N'E	2	o+	49	92	7	4000	StCu	5	ASt	5	1
Falmouth (Pendennis)	1015.9	+1	-	0	orr	48	92	7	2500	Nb	10	-	10	0
Plymouth(Cattewater)	1014.1	-1	-	0	oR	49	97	7	4000	Nb	6	ACu	6	0
Portland Bill	1014.1	-4	ENE	2	bc	54	85	7	1500	StCu	2	-	2	0
Southampton(Ca.shot)	1014.6	-2	NE'E	1	o+	53	92	6	4000	CuNb	5	ACu	6	0
Dungeness	1015.8	-1	ESE	2	bc	53	92	7	-	-	0	ACu	10	0
Jersey 7h }	1012.9	-3	E	2	c	59	85	8	4000	StCu	8	-	8	3
Guernsey 1h }														0

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR.....4th May.....

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 3rd. °F.	Temperature. Max. Day. 4th. °F.	Rainfall.† Night 17h.-9h. 3rd-4th mm.	Rainfall.† Day 9h.-17h. 4th mm.	Sunshine. Sunrise to 17h. 4th hr.	Sunshine. Sunrise to Sunset. 3rd hr.
Montrose	*	*	45	66	-	-	11.4	3.1
Llandudno	co	ocbc	49	59	-	-	3.7	10.2
Colwyn Bay ...	bc	b	49	61	-	-	7.2	7.7
Rhyl...	bcc	bcc	47	58	-	-	4.4	10.6
Southport	ocbc	bcco	50	59	-	-	3.2	7.7
Blackpool	co	cc	48	59	-	-	2.0	5.6
Ilkley	bcbbc	b	46	66	-	-	9.4	4.8
Harrogate	bcb	bcb	47	65	-	-	7.6	5.2
Skegness								
Aberystwyth ...	occ	o	48	56	-	-	0.0	11.0
Bath	bbc	bcb	47	63	-	-	11.0	9.2
Leamington Spa ...	b	bccb	49	74	-	-	10.7	8.4
Lowestoft	b	b	51	73	-	-	12.0	3.0
Felixstowe	bm	bc	50	71	-	-	11.9	6.1
Southend	b	bbc	52	77	-	-	11.3	7.7

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 3rd. °F.	Temperature. Max. Day. 4th. °F.	Rainfall.† Night 17h.-9h. 3rd-4th mm.	Rainfall.† Day 9h.-17h. 4th mm.	Sunshine. Sunrise to 17h. 4th hr.	Sunshine. Sunrise to Sunset. 3rd hr.
Ilfracombe	of	ocbco	46	56	-	-	2.2	11.1
Bude	b	b	46	57	-	-	5.6	11.8?
Penzance	cbc	bcc	48	61	-	-	6.4	12.4
Paignton	bcmw	bcco	47	64	-	-	10.5	11.0
Torquay	b	b	50	64	-	-	10.6	11.2
Weymouth	b	bc	48	67	-	-	10.9	10.7
Bournemouth ...	b	b	46	70	-	-	9.5	11.2
Portsmouth (S'thsea)	bb	bcb	51	63	-	-	10.6	8.9
Worthing	b	bc	50	66	-	-	10.6	9.8
Brighton	b	bbcb	51	64	-	-	11.0	8.5
Eastbourne	b	bcc	52	69	-	-	10.7	9.2
Hastings	b	bbcco	56	67	-	-	10.5	8.3
Folkestone	b	b	52	70	-	-	11.2	9.1
Tunbridge Wells ...	b	bbc	51	76	-	-	10.8	6.3
Ramsgate	b	bbc	55	74	-	-	11.6	7.2
Margate	b	bbc	56	78	-	-	10.6	5.6
Deal	bb	bbc	53	75	-	-	11.5	9.5

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm § For code see page 3. ‡ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22445 Sunday, 6th May 1923.

Observations at 1800 G.M.T. 5th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1007.1	+2	WSW	3	o/p	49	75	6	4000	Cu Nb	5	A Cu	10	•
Stornoway	1004.9	+2	SW	3	c	52	65	6	800	St Cu	4	·	4	•
Wick	1006.4	+2	SW	3	0	56	73	8	5700	Cu Nb	4	A Cu	9	•
Castlebay	1007.3	0	SW	4	mwo	50	75	4	2500	St Cu	9	-	9	•
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1009.1	0	WSW	3	c	60	65	8	2500	St Cu	6	Ci	4	0
Malin Head	1008.4	0	WNW	4	bc	52	85	9	4000	Cu	2	Ci Cu	6	•
Renfrew	1009.5	-2	WSW	4	c	59	85	8	4000	Cu	4	Ci	6	0
Edinburgh (Inchkeith)	1009.6	-2	WSW	4	bc	55	75	8	*	Cu	4	Ci St	6	•
Leuchars	1009.5	0	SW	4	0	60	65	4	4000	St Cu	4	A Cu	9	0
Eskdalemuir	1011.0	-1	SSW	5	0	56	65	4	2000	Cu	5	A St	10	0
Tynemouth	1012.5	-1	SE	1	c	58	75	6	4000	St Cu	8	-	8	•
Blacksod Point	1009.3	0	SW	4	c	58	85	4	*	Cu Nb	8	-	8	•
Donaghadee	1011.4	-1	WSW	3	bc+	54	85	8	2500	St Cu	6	-	6	•
Birr Castle	1010.4	0	SSW	1	0+	59	65	8	4000	St Cu	9	-	9	•
Holyhead	1011.8	-2	S/W	2	0+	53	85	8	2500	St Cu	5	A St	10	0
Liverpool (Bidston)	1011.2	-3	E'S	1	0	54	65	6	2500	St	10	-	10	•
Chester (Shotwick)	1011.6	-3	W	2	0	58	65	4	4000	St Cu	10	-	10	0
Spurn Head	1013.2	-2	ESE	2	o/p	52	83	6	2500	St	10	-	10	•
Nottingham	1012.2	-3	S	1	o/r	59	85	5	2500	Nb	10	-	10	•
Cranwell	1013.6	-3	-	0	o/r	60	85	6	2500	St	4	A St	10	1
Gorleston	1015.0	-1	SE	3	b	56	85	6	-	-	0	Ci	3	•
Valencia (Cahirciveen)	1011.6	-1	SW	3	c	56	75	8	1500	St Cu	7	A Cu	8	0
Roches Point	1011.5	-1	SW	3	o	55	92	9	2500	St Cu	7	A Cu	9	•
Pembroke (St. Ann's H.)	1012.3	-2	WNW	1	od	49	85	8	2500	Nb	10	-	10	•
Ross-on-Wye	1011.4	-4	ESE	2	o/r	55	92	6	1500	Nb	10	-	10	1
Benson	1011.0	-8	-	0	0	64	45	4	*	St Cu	10	-	10	0
Andover	1010.5	-6	E	1	0	69	63	4	4000	St	7	O Cu	10	1
S. Farnborough	1011.1	-4	SE	2	o/r	½	63	4	4000	St Cu	8	A St	10	1
London (Kew Obsy.)	1011.4	-6	ESE	2	0	45	55	8	4000	St Cu	5	Ci St	9	0
Croydon	1012.0	-6	S/E	2	0+	43	56	8	5700	St Cu	4	Ci St	10	1
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1013.1	-2	E	4	bc/m	44	93	4	-	-	0	A St	4	•
Grain	1012.4	-3	ENE	4	c	60	75	6	-	-	0	Ci St	4	0
Lympne	1012.9	-4	-	0	bc	½	55	8	-	-	0	Ci	4	0
Scilly (St. Mary's)	1011.4	-2	N	2	o/r	50	92	6	2500	Nb	10	-	10	•
Falmouth (Pendennis)	1010.4	-3	NNE	4	o/r	50	92	4	2500	Nb	10	-	10	•
Plymouth (Cattewater)	1008.8	-6	W'N	2	o/r	60	85	4	800	St Cu	10	-	10	1
Portland Bill	1010.4	-5	ENE	4	o/r	54	92	6	2500	St	10	-	10	•
Southampton (Calshot)	1011.0	-6	SSE	2	0	50	85	6	5700	Cu Nb	3	A Cu	9	0
Dungeness	1013.2	-4	E	1	bc	68	65	8	-	-	0	Ci Cu	5	•
Jersey	1009.0	-2	E	2	c	70	56	4	4000	St Cu	8	-	8	•

Observations at 1800 G.M.T. 5th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1007.3	+1	SW	2	c	49	75	8	5700	St Cu	4	A Cu	4	1
Stornoway	1005.1	0	SW	1	c	49	65	6	800	St Cu	8	-	8	3
Wick	1006.4	+1	ENE	2	o/r	44	92	8	4000	Cu Nb	10	-	10	0
Castlebay	1007.0	0	SSW	4	0	49	75	8	1500	St	10	-	10	4
Nairn	1006.1	+	SW	1	c	55	65	8	4000	Cu	8	-	8	•
Aberdeen	1007.9	-1	S	2	0+	56	75	6	4000	St Cu	3	A St	9	0
Malin Head	1007.4	-1	SW	2	0	50	75	8	5700	St Cu	10	-	10	2
Renfrew	1008.4	-2	SW	3	0+	54	73	8	4000	St Cu	8	Cu St	10	•
Edinburgh (Inchkeith)	1007.9	-2	WSW	1	0+	55	65	8	*	St Cu	9	-	9	1
Leuchars	1007.3	-2	SW	3	0	59	65	8	4000	St Cu	4	Ci St	9	•
Eskdalemuir	1008.9	-2	SSW	3	c	56	65	8	-	-	0	A St	4	•
Tynemouth	1009.4	-2	SE	1	oc	51	92	6	4000	Nb	10	-	10	0
Blacksod Point	1008.4	-1	WNW	4	c	49	85	4	*	Nb	10	-	10	4
Donaghadee	1009.4	-2	S	3	c	55	73	8	2500	St Cu	4	-	4	3
Birr Castle	1008.4	*	W	1	0	55	73	4	2500	St Cu	9	-	9	•
Holyhead	1009.3	-3	-	0	0	50	94	4	2500	St Cu	10	-	10	0
Liverpool (Bidston)	1008.9	-4	N'E	1	o/r	49	92	4	1500	Cu Nb	10	-	10	2
Chester (Shotwick)	1010.1	0	-	0	o/r	53	85	4	1500	St	3	A St	10	•
Spurn Head	1008.5	-5	E'S	3	opr	50	92	3	2500	St Cu	10	-	10	1
Nottingham	1009.5	-3	E	2	0	59	92	5	800	Nb	10	-	10	6
Cranwell	1008.2	-3	E'N	1	0	59	83	6	4000	St Cu	9	-	9	•
Gorleston	1010.6	-3	SE	2	0	54	85	6	1200	St Cu	9	-	9	0
Valencia (Cahirciveen)	1010.1	-1	SW	3	c	55	75	8	2500	St Cu	2	Ci Cu	7	0
Roches Point	1010.0	-1	SW	2	bc-	53	92	9	4000	St Cu	4	-	4	0
Pembroke (St. Ann's H.)	1010.0	-2	NW	2	c/r	50	85	8	4000	Cu	4	-	4	2
Ross-on-Wye	1009.3	-3	N	1	0	55	92	6	2500	Cu Nb	10	-	10	•
Benson	1005.8	-9	ESE	3	bc+	40	45	4	*	Cu	5	-	5	•
Andover	1005.6	-3	SSE	3	b-	69	65	8	4000	Cu	3	-	3	•
S. Farnborough	1006.0	-8	SE	3	bc	45	43	4	5700	St Cu	2	A Cu	6	•
London (Kew Obsy.)	1005.9	-8	SE'S	3	b+	45	43	8	4000	St Cu	1	A Cu	3	•
Croydon	1006.0	-7	SE	3	bc+	44	45	8	5700	St Cu	4	A Cu	6	•
Clacton-on-Sea	1003.4	-4	E	3	c	59	70	6	4000	Cu	4	-	4	0
Shoeburyness	1003.2	-5	SE	2	bc	62	75	4	1200	Cu	4	-	4	•
Grain	1004.9	-6	SE	4	c	64	65	8	1200	St Cu	4	-	4	0
Lympne	1005.3	-5	SE	3	bc-	64	55	8	2400	St Cu	3	A St	3	•
Scilly (St. Mary's)	1010.4	+1	NE	3	bc-	63	88	4	4000	St Cu	2	Ci St	3	4
Falmouth (Pendennis)	1010.1	0	N	4	o/r	50	92	4	2500	Cu Nb	10	-	10	0
Plymouth (Cattewater)	1007.8	0	NW'W	4	bc+	53	92	6	800	St	6	-	6	0
Portland Bill	1009.0	-4	S	4	b-	56	92	4	-	-	0	Ci Cu	3	3
Southampton (Calshot)	1006.2	-4	S/E	2	b-	59	75	4	-	-	0	A Cu	1	0
Dungeness	1003.2	-5	S	2	bc	61	75	8	-	-	0	Ci Cu	4	2
Jersey	1004.9	0	SW	2	b	68	65	8	-	-	0	-	0	0

LONDON OBSERVATIONS.

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 HOURS ENDED 0000 G.M.T. 6th								YESTERDAY.		TO-DAY.
Kew	bcmoy	ocpp by	bcmom	*	*	46	0.1	-	5.6	*	*
Croydon	bcmoy	obcy	bcmom	*	*	51	-	-	6.6	*	*
Greenwich (Royal Obsy.)	oc	ob	bo	81	55	45	-	-	6.4	50	80
City (Bunhill Row)	*	*	*	*	*	*	*	*	*	*	*
Westminster (St. James' Pk.)	*	*	*						5.7		
Regent's Pk. (Botanic Gdns.)	*	*	*	*	*	*	*	*	4.3	*	*
Camden Square	b	b	*	80	55	51	-	-	*	*	80
Kensington Palace	oc	obc	*	78	56	37	-	-	*	43(18h)	85
Hampstead Observatory	*	*	*						5.7	*	

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1800 G.M.T. 5th

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 5th ..h..m. to 6th ..h..m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris			
δ Ursae Minoris			

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per ½ sec.	Stren.	Direc.
13h.	C	5	-	20
18h.	C	6	-	35
01h.	C	6	-	65
07h.	C	5	-	175

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

6th May, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4.16	11.50	7.24
	4.14	11.49	7.25
Greenwich	4.26	11.54	7.23
	4.24	11.53	7.29
Wick	4.10	12.9	8.8
	4.7	12.8	8.10
Valencia	5.5	12.38	8.10
	5.3	12.39	8.11

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
jp precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

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; i = intermittent; - = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";
Capital letters indicate intense, suffix c indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
rr = continuous moderate rain.
$r_o r_o$ = continuous light rain.

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

SEA DISTURBANCE.
0=no swell } Calm or
1=mod. swell } slight
2=heavy swell } sea.
3=no swell } Moderate
4=mod. swell } sea.
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

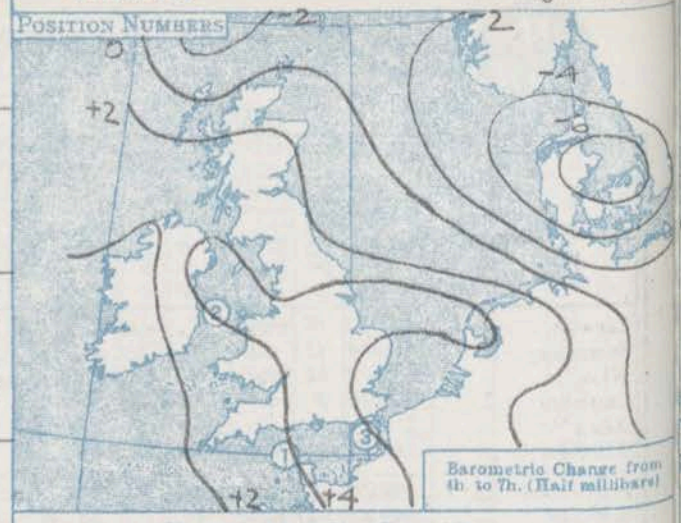
[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 5th	WEATHER. 13h.-18h. 5th	WEATHER. 18h. 5th to 1h 6th	WEATHER. 1h.-7h. 6th	TEMPERATURE. MAX. Day. 7h.-13h.	TEMPERATURE. MIN. Night. 18h.-7h.	TEMPERATURE. MIN. on GRASS	RAINFALL.† Day. 7h.-18h. mm.	RAINFALL.† Night. 18h.-7h. mm.	RAINFALL.† Precipitation began.	RAINFALL.† Precipitation began.	SUN. 5th Hours.
Lerwick	o	c	op	cp	53	43	.	-	1	-	<2100	3.2
Stornoway	c	c	p	bphr	53	39	.	0.4	1	-	0430	7.8
Wick	oo	opo	bo	oo	58	42	.	0.3	-	12.30	-	.
Castlebay	om	dmbo	ocb	bopc	50	44	.	-	0.1	-	-	7.0
Nairn	cgq	cgq	cg	cg	61	44	.	-	-	-	-	6.4
Aberdeen	c	bccm	oz	c	62	47	37	-	-	-	-	8.4
Malin Head	bcoov	c	oid.	coid.	53	43	.	-	0.4	-	<2100	6.2
Renfrew	bcoc	coo	oo	op.	61	46	45	-	trace	-	-	7.9
Edinburgh(Inchkeith)	c	oo	c	c	57	47	44	-	-	-	-	4.9
Leuchars	oo	oo	oo	oo	62	48	40	-	-	-	-	6.8
Eskdalemuir	oco	oco	ccoo	oo	54	37	33	-	-	-	-	5.4
Tynemouth	b.bcm	omid.	orrm	bbc	61	46	42	trace	6	17.30	<2100	.
Blacksod Point ...	c	c		c	53	42	.	-	-	-	-	.
Donaghadee	c	c	or	op	60	46	.	-	1	-	<2100	.
Birr Castle	co	co	co	prco	61	44	34	-	trace	-	-	.
Holyhead	cbco	oo	oocbb	bbvv	54	45	41	-	-	-	-	1.8
Liverpool (Bidston)...	bbcom	r.d	r-d	r-d	58	44	39	3	10	1530	<2100	1.5
Chester (Shotwick) ...	oo	orrir	orrRR	ocbm	60	38	30	2	10	1530	<2100	2.5
Spurn Head	c	p	Qldrbfg	efez	56	48	.	1	3	12.30	<2100	3.3
Nottingham	orr	rr	rRRg	c	60	49	46	3	11	1100	?	1.1
Cranwell	bor	pc	drerof	mobc	63	48	47	0.6	11	1100	<2100	3.5
Gorleston	bcmbc	bcm	blqv	bbcco	54	52	47	-	-	-	-	7.8
Valencia (Cahirciveen)	cpo	bcc	o	oodm	57	48	45	trace	0.2	1100	0230	7.2
Roches Point	oco	ocb	bbc	bco	58	46			-			
Pembroke(St.Ann's H.)	oo	orre	bbc	bbc	53	47	.	4	-	1230	-	1.3
Ross-on-Wye	cofoR	Rqpto	gpcfb	bb	54	43	34	5	10.4	0900	<2100	1.7
Benson...	dir	bcp	pco	ocbcb	52	52	50	0.4	-	1630	-	.
Andover	omopo	opcbo	bbccm	cmbcb	54	48	45	0.3	-	1100	-	4.6
S. Farnborough ...	opco	oprocbcy	bo	bcb	54	50	43	0.3	-	<0800	-	4.6
London (Kew Obsy.)...	bcmvcy	ocyprby	pobw	bwcmw	58	56	46	0.1	-	1330	-	5.6
Croydon	bcmy	opcy	bcm	bcom	56	55	51	F.	-	1.46	-	6.6
Clacton-on-Sea ...	cmbcy	bccy	czbc	bccom	64	53	47	-	-	-	-	7.8
Shoeburyness	bcmbc	bb	bc	bcm	76	53	46	-	-	-	-	8.1
Grain	bcobc	c	cbb	bbom	75	53	47	-	-	-	-	8.5
Lympne	cocbc	bccbcy	bcblrv	bcowf	56	50	46	-	trace	-	-	11.3
Scilly (St. Mary's) ...	omr	bc	bcb	bbcw	54	48	.	3	0.3	1330	-	3.0
Falmouth (Pendennis)	omp	ompfl	bc	bbc	57	42	.	8	-	<0800	-	1.2
Plymouth(Cattewater)	or	orbbco	bcqo	obw	62	44	37	1	-	<0800	-	3.2
Portland Bill	copr	qbbc	bcc	c	58	54	.	0.5	-	1100	-	.
Southampton(Calshot)	oo	c	bbcc	c	62	52	49	Trace	-	<0800	-	5.0
Dungeness	bbc	bbc	bbc	c	70	51	.	-	-	T	-	.
Jersey	qbrfl	ocb	b.	bc	75	50	.	-	-	-	-	7.8

ISALLOBARS. 6th May 1923

POSITION NUMBERS



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	5th 1000	Cambria	S	4	c.	53	54	6
1	5th 1200	Reindeer	NNE	3	fc	56	51	6
3	6th 0300	Brighton	W'S	4	mo	58	54	6

GENERAL INFERENCE.

A depression is centred northward of Scotland with a low pressure trough extending westward of Ireland. Winds will be from a westerly direction with a varying cloud amount and some local showers in all districts. Under the influence of a current of polar origin spreading from the Iceland region temperature will be lower than of late.

Districts.	Forecasts for the 24 hours commencing 15h G.M.T. Sunday, 6th May, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind westerly light to moderate; cloudy, local showers; visibility moderate to good; cooler.	None issued.
4. W. Midlands 5. S.W. England 6. South Wales	Winds from between N.W. and S.W. light or moderate; cloudy, local showers, perhaps some rain later; visibility moderate to good; moderate temperature.	
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Moderate westerly winds, varying cloud amount; some local showers; visibility moderate to good; moderate temperature.	
14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Winds W. to N.W. moderate to fresh; cloudy, some rain or showers, hail showers locally with a risk of thunder; visibility moderate to good; moderate to rather low temperature.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Westerly winds, moderate, probably becoming from a northerly direction tomorrow; cloudy, some rain or showers; risk of thunder; visibility mainly good.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0930 GMT G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page

SYNOPTIC CHART FOR MORNING OF SUNDAY, 6TH MAY 1923.

Scale - 1:10,000,000

Nautical Miles. 100 0 100 200

Statute Miles. 100 0 100 200

H.

(21) 28 O'cast

(21) 28 Snow

Barometer

(42) 28 O'cast

Rising.

(42) 30 Snow

LOW

998

996

1000

1002

1004

1006

1008

43 (10) O'cast

45 (2) Fair

Barometer

(15) 45 Cloudy

Failing

(5) 46 Cloudy

Slowly.

(15) 43 Hail shower

"MEGANTIC"

47 Sea 50

Barometer

(5) 52 Cloudy

(21) Cloudy

(10) 47 O'cast

(15) 47 Cloudy

(15) 47 Fair

(10) 50 Fair

1006

1004

Barometer

1002

48 Cloudy (15)

LOW

1008

Falling

(15) 52 Fine

1010

HIGH

(2) 48 O'cast

(10) 51 Fine

(10) 51 Fine

(15) 54 Fine

1012

(2) 55 O'cast

1014

(10) 47 Sea 52 O'cast

"BALTIC"

(10) 50 Fine

(5) 57 O'cast

(10) 54 O'cast

1016

"AQUITANIA"

(27) 51 Sea 53 O'cast

(5) 52 Fair

Rising.

1018

1020

(10) 53 Cloudy

(15) 68 O'cast

1014

1012

LOW

50 (2) Fine

1022

61 (10) Cloudy

61 (5) Fair

1024

(2) 57 O'cast

(2) 66 Cloudy

(2) 61 Fine

(0) 51 O'cast

HIGH

(10) 63 Cloudy

66 Fair (0)

MKO.

Low Cloud.

TEMPERATURE, WEATHER, SEA.

EXPLANATION

BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. Direction is shown by arrows flying with the wind. Force, on the scale 0–12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.

TEMPERATURE is given in °F

WEATHER SYMBOLS: ○ clear sky; ◔ sky ¼ clouded; ◑ sky ½ clouded; ◕ sky ¾ clouded; ● overcast sky; ● rain falling; ✱ snow; ✱ sleet; ▲ hail; ≡ fog; =° mist; T thunder R thunderstorm.

SEA DISTURBANCE: ~~~ Rough. ≈≈≈ High.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY

0.	Dense fog.	Objects not visible at	55 yards.
1.	Rather thick fog	" "	220 "
2.	Very bad	" "	550 "
3.	Bad	" "	1,100 "
4.	Very poor	" "	1¼ miles.
5.	Poor	" "	2½ "
6.	Moderate	" "	6 "
7.	Good	" "	12½ "
8.	Very good	" "	31 "
9.	Excellent.	"	beyond 31 "

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

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION..... Sunday, 6TH May .....1923. No...126..

Observations at 0100 G.M.T..... 6th .....

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	°F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Cloud. Sea. 0-9
Lerwick	1007.4	-2	S	1	obr	51	65	7	4000	CuNb	3	A.Cu	10	•
Stornoway	1005.7	0	SW	4	PR	•	•	5	•	•	•	•	•	•
Wick	1005.3	-2	W	1	0	46	92	8	4000	St.Cu	10	-	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1008.1	0	SW	2	o/r	45	92	7	5700	Nb	6	A.St	10	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1007.1	-1	WSW	3	b-	48	92	7	-	St.Cu	2	-	2	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1006.8	-1	W	1	bc/r	51	92	7	-	-	0	A.St	4	•
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1006.9	+1	SW'S	3	b	48	97	8	-	-	0	-	0	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1006.5	+1	W	4	For	52	97	0	<150	St	10	-	10	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1007.6	+4	NNW	3	o/br	54	97	4	800	Nb	10	-	10	•
Gorleston	1006.5	+1	WSW	3	b	62	75	8	-	-	0	-	0	•
Valencia (Cahirciveen)	1011.2	0	-	0	c+	50	97	7	-	St.Cu	9	-	9	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St.Ann's H.)	1010.7	+1	WSW	3	b	49	92	8	-	-	0	-	0	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)...	*	*	*	*	*	60	*	*	*	*	*	*	*	*
Croydon	1009.0	+3	SW	2	b	57	92	6	-	-	0	Ci.St	3	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1009.6	+2	SW'S	2	b	53	85	8	-	-	0	A.St	2	•
Scilly (St. Mary's) ...	1013.3	+2	W'N	3	b	49	97	8	-	-	0	-	0	•
Falmouth (Pendennis)	1012.1	+1	WNW	2	b/r	48	85	7	-	-	0	-	0	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1010.5	+3	W	3	c+	53	92	6	1500	St.Cu	7	-	7	•
Southampton (Ca.shot)	1010.0	+2	SW	3	o+	54	92	5	1500	St	10	-	10	•
Dungeness	1009.7	+3	SW	3	b	53	92	7	-	-	0	-	0	•
Jersey 7h }														
Guernsey 1h }														

Observations at 0700 G.M.T..... 6th .....

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	°F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Cloud. Sea. 0-9
Lerwick	1005.8	-1	SW	2	c/r	46	85	7	-	-	0	A.Cu	7	1
Stornoway	1004.6	0	W	4	b PH	43	85	8	7200	CuNb	3	-	3	3
Wick	1005.3	+1	SW	2	0	47	75	8	4000	Cu	3	Ci.St	9	3
Castlebay	1007.3	0	SW	4	c-	46	75	8	2500	CuNb	2	Ci.Cu	7	4
Nairn	1006.5	•	W	3	C	47	75	8	4000	Cu	7	-	7	•
Aberdeen	1007.0	+2	W	2	c	52	75	8	5700	St.Cu	8	-	8	0
Malin Head	1009.4	+2	WSW	4	bc/r	47	85	8	5700	Nb	2	Ci.Cu	6	2
Renfrew	1009.5	+3	WSW	3	0	47	85	8	5700	St.Cu	10	-	10	•
Edinburgh (Inchkeith)	1008.2	+2	W	4	0+	47	85	8	-	St	7	A.Cu	10	3
Leuchars	1007.7	+3	W	4	0	51	75	8	4000	St.Cu	8	A.Cu	7	•
Eskdalemuir	1008.6	+2	W	3	0	48	85	8	2500	St.Cu	10	-	10	•
Tynemouth	1009.2	+2	WSW	3	bc	50	85	7	4000	Cu	2	A.Cu	4	0
Blacksod Point ...	1011.5	+2	WNW	4	C	47	75	8	-	Cu Nb	8	-	8	4
Donaghadee	1011.1	+5	W	1	0-	46	92	8	2500	St.Cu	10	-	10	1
Birr Castle	1012.3	•	W	1	0	48	97	7	2500	Nb	9	-	9	•
Holyhead	1012.4	+4	W	3	b-	51	92	8	-	-	0	A.Cu	2	1
Liverpool (Bidston) ...	1011.9	+3	WSW	3	c-	50	92	8	2500	St	7	-	7	3
Chester (Shotwick) ...	1011.2	+4	SW	3	bc+	52	85	7	4000	St.Cu	3	A.Cu	5	•
Spurn Head	1011.1	+5	W	4	0	50	85	6	4000	St.Cu	9	-	9	2
Nottingham	1012.0	+5	W	3	b	51	85	6	-	-	0	-	0	•
Cranwell	1012.3	+6	W	2	b	51	85	6	-	-	0	-	0	•
Gorleston	1011.4	+3	NW'W	1	0-	55	85	6	5700	St.Cu	9	-	9	0
Valencia (Cahirciveen)	1013.0	+2	-	0	odd	49	92	6	800	St	10	-	10	0
Roches Point	1013.7	+2	SSW	2	0	50	92	8	4000	St.Cu	10	-	10	0
Pembroke (St.Ann's H.)	1014.0	+3	WNW	2	b	50	92	8	1500	St	3	-	3	3
Ross-on-Wye	1013.2	+3	SW	2	b+	50	85	9	-	-	0	Ci	1	•
Benson...	1013.1	+5	WNW	2	b+	53	75	8	4000	St.Cu	2	-	2	•
Andover	1014.1	+4	W'N	3	b	50	85	8	2500	St.Cu	2	-	2	•
S. Farnborough ...	1013.0	+4	W'S	2	0-	53	85	8	1500	St.Cu	9	-	9	•
London (Kew Obsy.)...	1013.3	+5	W'S	2	0	57	85	6	2500	St.Cu	9	A.St	10	•
Croydon	1012.7	+3	SW'W	2	0	56	92	6	1500	Nb	6	-	10	•
Clacton-on-Sea ...	1011.8	+4	WSW	1	0	55	92	5	4000	St	10	-	10	0
Shoeburyness	1012.5	+3	W	1	mbc-	57	85	5	1500	St	3	A.St	6	•
Grain	1012.7	+4	SW	4	0+	51	85	5	2500	St	10	-	10	0
Lympne	1012.9	+4	SW	3	bfo	52	97	3	<150	St	10	-	10	•
Scilly (St. Mary's) ...	1014.7	+2	W	2	bc-	52	85	8	4000	Cu	3	A.Cu	4	2
Falmouth (Pendennis)	1014.9	+5	WNW	3	bc+	48	75	7	1500	Cu	5	-	5	0
Plymouth (Cattewater)	1015.2	+3	-	0	b	49	92	7	-	-	0	-	0	0
Portland Bill	1014.7	+4	W	4	c	56	92	7	-	-	0	A.Cu	7	4
Southampton (Ca.shot)	1014.1	+5	W'N	4	b-	53	75	8	-	-	0	-	0	0
Dungeness	1012.5	+2	WSW	5	o/b	52	97	7	1500	St	10	-	10	5
Jersey 7h }	1015.7	+2	WNW	3	c	53	75	8	4000	St.Cu	7	-	7	0
Guernsey 1h }														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR..... 5th May .....

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 4th. °F.	Temperature. Max. Day. 5th. °F.	Rainfall.† Night 17h.-9h. 4th.-5th. mm.	Rainfall.† Day 9h.-17h. 5th. mm.	Sunshine. Sunrise to 17h. 5th. hr.	Sunshine. Sunrise to Sunset. 4th. hr.
Montrose	*	*	44	60	-	-	3.1	12.1
Llandudno	c	ocd	44	57	-	0.2	1.6	5.0
Colwyn Bay ...	bc	bcod	46	56	-	1	1.4	8.8
Rhyl...	bc	cr	48	59	-	2	1.8	4.4
Southport	oco	or	44	54	-	3	0.3	4.0
Blackpool	co	or	49	56	-	1	2.0	3.1
Ilkley	bbcc	o/bmr	48	62	-	2	4.1	10.7
Harrogate	bbc	bo	42	61	-	1	3.4	10.1
Skegness	b	bopo	48	58	-	0.2	5.4	11.4
Aberystwyth ...	o.c	?	50	53	-	9	2.5	0.0
Bath	ro bc	clr	45	64	1	8	2.0	12.3
Leamington Spa ...	ou	orou	44	63	-	3	0.4	11.0
Lowestoft	cbc	bcco	52	62	-	-	9.0	12.3
Felixstowe	bcm	bccz	52	62	-	-	4.9	12.4
Southend	bcc	cbc	54	49	-	-	4.2	11.8
Ilfracombe	0	orf	50	52	-	4	0.0	4.3
Bude	r	p	48	53	2	3	0.0	5.6
Penzance	or	orfco	44	53	3	4	0.4	5.4
Paignton	bctfp	obcpb	48	64	1	1	2.6	11.5
Torquay	cpofp	pcbc	49	64	0.2	0.4	2.9	11.5
Weymouth	odoc	cb	48	65	0.2	0.2	5.2	12.0
Bournemouth ...	c	c	50	70	0.3	0.3	3.5	11.4
Portsmouth (S'thses)	oc	bc	51	69	-	-	3.5	12.2
Worthing	cbc	bc	51	68	-	-	6.6	12.5
Brighton	bcbb	bcbob	51	44	-	-	8.0	12.5
Eastbourne	bc	bcbcb	53	64	-	-	9.2	12.0
Hastings	r bcb	bccgbc	52	45	-	-	11.2	11.5
Folkestone	b	b	50	48	-	-	9.8	12.6
Tunbridge Wells ...	bcb	bbcb	52	49	-	-	4.9	12.1
Ramsgate	bcb	bbc	53	65	-	-	9.4	11.8
Margate	bcb	b	54	81	-	-	4.9	11.0
Deal	bcbb	bc	54	81	-	-	8.9	12.0

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm § For code see page 5. ‡ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22446 MONDAY, 7TH MAY 1923.

Observations at 1800 G.M.T. 6th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1006.5	+1	SW	4	c+	49	65	7	5700	Cu	4	Ci	8	·
Stornoway	1005.5	+1	WSW	6	bc+	50	65	8	7200	Cu	6	-	6	·
Wick	1006.1	+1	WSW	3	c/r	50	97	8	4000	Cu	8	-	8	·
Castlebay	1009.4	+2	WSW	5	bc/r	48	75	8	4000	StCu	3	ASr	4	·
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1008.3	0	SW	3.	c	58	45	8	4000	StCu	7	-	7	0
Malin Head	1011.3	+2	W	6	c	49	75	9	4000	Cu	2	CiCu	7	·
Renfrew	1012.0	+2	W	4	c+	53	55	8	4000	StCu	10	-	10	0
Edinburgh(Inchkeith)	1010.4	+2	W	5	c-	50	65	8	-	St	8	-	8	·
Leuchars	1009.6	+2	W	5	c	53	65	8	4000	StCu	7	Ci	8	0
Eskdalemuir	1012.5	+2	WSW	4	c	50	65	7	4000	StCu	10	-	10	0
Tynemouth	1011.6	+2	WNW	3	c	58	75	7	4000	CuNb	4	ACu	7	·
Blacksod Point	1014.8	+3	NNW	4	bc	50	75	8	-	CuNb	5	-	5	·
Donaghadee	1013.7	+2	NNW	3	c-	53	75	8	2500	St	8	-	8	·
Birr Castle	1014.9	*	NW	1	c-	49	92	7	2500	Nb	10	-	10	·
Holyhead	1015.1	+2	SW	4	bc-	56	85	8	2500	Cu	2	ACu	4	0
Liverpool (Bidston)	1015.2	+3	WNW	3	bc+	52	85	8	2500	Cu	2	CuCu	6	·
Chester (Shotwick)	1014.7	+2	NNW	5	c	57	75	8	4000	StCu	7	-	7	5
Spurn Head	1013.9	+2	NNW	1	c-	60	75	6	4000	Cu	8	-	8	·
Nottingham	1014.4	+2	W	3	b-	63	55	8	2500	Cu	3	-	3	·
Cranwell	1014.8	+3	W'N	2	bc	61	85	7	2500	Cu	5	-	5	1
Gorleston	1015.0	+3	E'N	3	mmc	59	85	5	2500	CuNb	7	-	7	·
Valencia (Cahirciveen)	1016.8	+3	NNW	3	0	49	85	7	1500	StCu	10	-	10	0
Roches Point	1015.2	+1	WSW	3	c-	86	85	8	4000	CuNb	7	ACu	8	·
Pembroke (St. Ann's H.)	1016.3	+2	SW	3	c	53	85	7	4000	StCu	7	-	7	·
Ross-on-Wye	1014.9	+2	W'N	2	bc-	62	65	8	4000	Cu	4	-	4	1
Benson	1015.7	+1	WSW	2	b	64	65	8	-	Cu	2	-	2	0
Andover	1015.9	+2	NNW	3	c+	63	65	8	2500	Cu	7	-	7	0
S. Farnborough	1015.9	+1	WSW	2	bc+	70	55	8	5700	StCu	3	Ci	4	0
London (Kew Obsy.)	1015.7	+1	NW	2	b	64	55	8	4000	Cu	1	Ci	3	0
Croydon	1015.1	+1	WSW	2	b	67	45	8	-	-	0	Ci	2	0
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1015.2	+4	W	1	bc-	67	65	6	4000	Cu	2	CiSt	3	·
Grain	1015.4	+2	W	2	b-	69	55	7	4000	Cu	3	-	3	0
Lympne	1015.8	+1	SW	4	b	60	75	8	4000	Cu	1	CiSt	2	0
Scilly (St. Mary's)	1017.5	+1	WSW	1	c	56	75	7	4000	Cu	2	ACu	7	·
Falmouth (Pendennis)	1016.8	+1	-	0	c+	55	75	8	2500	StCu	7	-	7	·
Plymouth (Cattewater)	1016.9	+1	SW	3	bc	55	85	8	4000	Cu	4	ACu	6	0
Portland Bill	1016.2	+2	N	4	b-	54	92	7	-	-	0	CuCu	3	·
Southampton (Calshot)	1016.2	+1	SSW	4	b-	61	65	8	4000	Cu	1	-	1	0
Dungeness	1015.8	+3	SW	5	b	58	75	8	-	-	0	-	0	·
Jersey	1017.7	0	WNW	3	bc+	58	75	8	-	-	0	ACu	6	·

Observations at 1800 G.M.T. 6:

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1005.5	0	SW	4	b	47	75	8	5700	Cu	2	ACu	3	3
Stornoway	1004.4	+3	W	6	bc	46	65	8	4000	Cu	5	-	5	3
Wick	1004.0	+1	WSW	4	bc/r	47	75	8	2500	CuNb	6	-	6	3
Castlebay	1013.0	+5	W	5	b/r	44	85	8	4000	Cu	1	-	1	4
Nairn	1009.4	*	W	5	c/r	46	85	8	4000	CuNb	7	-	7	·
Aberdeen	1009.6	+2	WSW	3	b	56	55	8	2500	Cu	2	-	2	0
Malin Head	1014.8	+3	NNW	6	bc/r	48	85	9	5700	CuNb	3	CiCu	4	4
Renfrew	1013.4	+1	W	4	c-	51	65	8	5700	Cu	2	Ci	8	·
Edinburgh(Inchkeith)	1011.5	+2	WSW	6	bc	50	65	7	-	Cu	2	CiSt	4	4
Leuchars	1010.9	+1	W	5	bc	53	55	8	4000	StCu	4	Ci	6	·
Eskdalemuir	1014.2	+3	W	5	c	45	85	7	2500	Nb	4	ASt	10	·
Tynemouth	1013.5	+2	WNW	2	bc	56	75	7	4000	CuNb	2	ACu	4	0
Blacksod Point	1014.2	+3	WNW	4	bc	50	75	8	-	CuNb	6	-	6	4
Donaghadee	1015.5	+1	W	3	c-	53	65	8	1500	Cu	6	ACu	6	2
Birr Castle	1007.0	*	W	1	c-	52	75	8	4000	StCu	9	-	9	·
Holyhead	1016.1	+2	NW'N	4	c	50	97	8	220	Nb	10	-	10	2
Liverpool (Bidston)	1015.8	+1	NW	3	bc	56	65	8	4000	StCu	3	CiSt	6	·
Chester (Shotwick)	1015.5	+2	W	3	c+	57	75	8	2500	StCu	3	Ci	10	2
Spurn Head	1015.7	+2	WNW	3	c	56	75	7	-	-	0	ACu	3	2
Nottingham	1015.4	+1	NNW	3	bc	62	65	7	-	-	0	Ci	4	·
Cranwell	1016.0	+2	NW'W	1	c	61	85	7	4000	StCu	3	CiCu	8	·
Gorleston	1016.3	+1	E'S	3	c	53	92	5	2500	St	3	ACu	8	·
Valencia (Cahirciveen)	1018.9	+3	NNW	3	c	50	65	9	2500	StCu	8	ASt	8	0
Roches Point	1018.0	+3	NNW	2	c	51	85	8	4000	StCu	10	-	10	0
Pembroke (St. Ann's H.)	1017.3	+1	WSW	3	bc	53	85	7	4000	Cu	2	CiSt	3	0
Ross-on-Wye	1015.5	+2	NW'W	1	c+	60	65	7	4000	Cu	1	CiCu	2	·
Benson	1015.9	0	SW	1	c	64	65	7	-	-	0	CiSt	8	·
Andover	1016.5	+1	WNW	2	0	59	65	8	2500	StCu	2	ASt	10	·
S. Farnborough	1015.6	+1	W	1	0+	63	55	8	-	-	0	ASt	10	·
London (Kew Obsy.)	1015.6	+1	WNW	1	0	66	55	8	4000	Cu	1	ASt	10	·
Croydon	1015.5	+1	SSW	3	0	61	75	8	4000	StCu	7	CiSt	10	·
Clacton-on-Sea	1015.7	0	SE	3	0+	56	85	6	5700	StCu	8	ACu	10	0
Shoeburyness	1015.5	+2	-	0	0+	61	85	6	7200	StCu	10	-	10	1
Grain	1015.7	0	SSW	3	0+	62	75	8	-	-	0	ASt	10	0
Lympne	1016.7	+1	S'W	2	0	52	92	8	2500	St	1	ASt	9	·
Scilly (St. Mary's)	1017.8	+1	-	0	c	55	85	8	4000	StCu	8	-	8	3
Falmouth (Pendennis)	1017.9	+2	NNW	3	c	55	92	8	2500	StCu	8	-	8	3
Plymouth (Cattewater)	1017.2	+1	SW	1	0	55	85	8	4000	StCu	2	ASt	10	0
Portland Bill	1016.2	0	W	4	bc+	53	92	7	-	-	0	CuCu	6	·
Southampton (Calshot)	1016.8	+1	SW	4	0+	53	85	8	-	-	0	ASt	10	·
Dungeness	1016.5	+2	WSW	5	0	53	85	7	4000	StCu	10	-	10	0
Jersey	1017.1	0	WNW	2	0	56	75	7	1500	St	10	-	10	0

LONDON OBSERVATIONS.

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 hours ended 0900 G.M.T. 7th								Yesterday.		To-day.
Kew	bcmwb	bycoy	ocam	·	·	46	-	-	7.3	·	·
Croydon	24 hours ended 0700 omb	bcoy@	bcam	·	·	46	-	-	7.1	·	·
Greenwich (Royal Obsy.)	ob	bo	o	72	52	45	-	-	7.1	45	67
City (Bunhill Row)	·	·	·	·	·	·	·	·	5.9	·	·
Westminster (St. James' Pk.)	·	·	·	70	53	·	-	-	7.2	46	62
Regent's Pk. (Botanic Gdns.)	·	·	·	·	·	·	·	·	6.8	·	·
Camden Square	o	b	·	73	53	·	-	-	·	·	·
Kensington Palace	bbc	bbc	·	69	53	49	-	-	·	49(18h.)	62
Hampstead Observatory	·	·	·	69	50	46	-	-	7.0	·	66

ATMOSPHERIC POLLUTION.
Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T. 6th

South Kensington

Max.	Time.	Min.	Time.
-	-	-	-
-	-		

Kew Observatory

Max.	Time.	Min.	Time.
-	-	-	-
-	-		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 6h 20m to 7h 05m and 6h 45m to 7h 15m

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	6 30	1.0	15
δ Ursae Minoris	6 30	0.40	10

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Rare ground frozen (but more than 2 ins. deep).
5=Dew or wet grass (but not wet ground).
6=Skating to-day in 1200 and 1800 reports (Hour frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C	6	-	140
18h.	C, C 1/2	5	-	60
01h.	C, C	6	-	75
07h.	C, C	6	-	185

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

7th & 8th MAY, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4.14	11.49	7.25
	4.12	11.49	7.26
Greenwich	4.24	11.57	7.39
	4.22	11.56	7.30
Wick	4.1	12.3	8.10
	4.4	12.8	8.12
Valencia	5.3	12.3	8.11
	5.1	12.3	8.12

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
ip precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

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; i = intermittent; - = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";
Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
rr = continuous moderate rain.
r_0r_0 = continuous light rain.

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

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

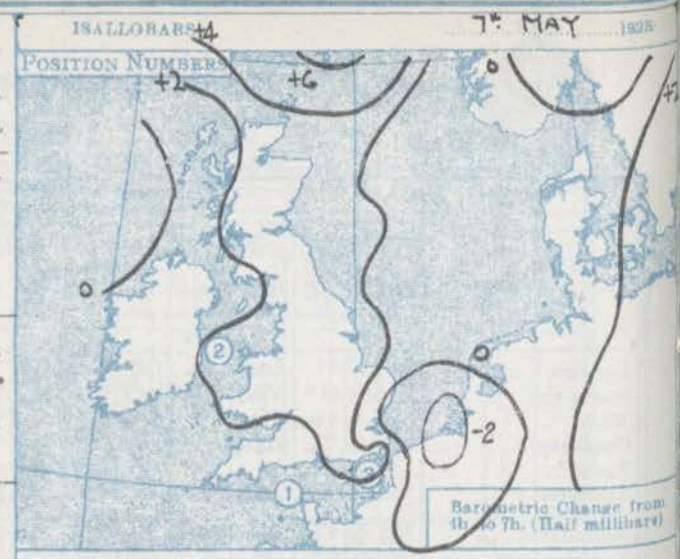
SEA DISTURBANCE.

0=no swell } Calm or
1=mod. swell } slight
2=heavy swell } sea.
3=no swell } Moderate
4=mod. swell } sea.
5=heavy swell }
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 5.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 6h.	WEATHER. 13h.-18h. 6h.	WEATHER. 18h. 6h. to 1h.	WEATHER. 1h.-7h. 7h.	TEMPERATURE. MAX. Day. 7h.-18h.	TEMPERATURE. MIN. Night. 18h.-7h.	TEMPERATURE. MIN. on GRASS	RAINFALL.† Day. 7h.-18h. mm.	RAINFALL.† Night. 18h.-7h. mm.	RAINFALL.† Precipitation began.	RAINFALL.† Precipitation began.	SUN. 6h. Hours.
Lerwick	bc	bcp	bcp	cp	50	39	.	0.3	1	14.30	<2100	11.8
Stornoway	c	bcpr	p	c	51	37	.	2	1	-	-	10.8
Wick	ambr	prbp	cprqb	bbc	54	36	.	Trace	0.1	11.00	<2100	.
Castlebay	copbc	bcopb	b	bopc	49	40	.	01	0.5	-	-	9.4
Nairn	irbcq	ihcq	cbc	bc	57	38	.	1	-	1100	-	6.7
Aberdeen	c	bbc	b	bbc	60	36	22	-	-	-	-	5.7
Malin Head	cov	cobv	bcv	bcv	51	41	.	0.2	-	16.30	-	9.1
Renfrew	obcy	oybc	bb	bcw	56	35	25	-	-	-	-	6.4
Edinburgh(Inchkeith)	c	cbc	bcb	bz	52	39	35	-	-	-	-	9.6
Leuchars	c	c	bcb	bb	58	32	23	-	-	-	-	7.9
Eskdalemuir	ocoo	oobobr	ocbx	bxb	52	26	22	-	-	15.30	-	1.3
Tynemouth	c	bbc	oom	bbcm	60	40	35	-	-	-	-	.
Blacksod Point ...	c	c	bbc		52	33	.	-	1	-	-	.
Donaghadee	c	c	bc	b	54	35	.	-	?	-	-	.
Birr Castle	copr.	co	co	bcx	52	31	25	trace	-	<0800	-	.
Holyhead	bbc	bcorm	rco	ocbwv	57	45	43	0.6	1	17.30	<2100	9.8
Liverpool (Bidston) ...	bbc	bc	c	o	58	45	41	-	-	-	-	10.4
Chester (Shotwick) ...	occq	bbc	oc	cw	61	45	37	-	-	-	-	7.9
Spurn Head	bbc	c	c	c	60	46	.	-	-	-	-	9.2
Nottingham	b	c	bc	oo	65	48	45	-	-	-	-	10.7
Cranwell	bbc	bamc	ocbcm	c	65	47	44	-	-	-	-	11.6
Gorleston	cbcmb	cm	bw	bcom	63	49	44	-	-	-	-	6.5
Valencia (Cahirciveen)	odo	o	bcb	bw	51	39	31	-	-	-	-	0.4
Roches Point	oc	opo	cbo	oc	57	54		0.2	1330			
Pembroke(St.Ann's H.)	c	bbc	c	bbc	55	44	.	-	-	-	-	10.7
Ross-on-Wye	bvbcv	bcvcvy	cvwbc	bcoc	65	49	41	-	-	-	-	10.6
Benson...	b	bcc	co	cow	66	47	41	-	trace	-	-	.
Andover	bcc	co	o	oco	64	48	45	-	-	-	-	10.1
S. Farnborough ...	obcy	bcoyy	oomm	ocbcw	72	48	46	-	-	-	-	8.7
London (Kew Obsy.)...	bcmvby	bycoy	oco	ocomw	69	53	46	-	-	-	-	7.3
Croydon	omb	bcoy	bco	om	69	51	46	-	-	-	-	7.7
Clacton-on-Sea ...	obcocz	obcoz	ocoz	oz	64	53	49	-	-	-	-	4.1
Shoeburyness	co	bbc	ob	bcco	70	52	48	-	-	-	-	7.1
Grain	omcbb	bbco	oo	oom	70	50	48	-	-	-	-	8.5
Lympne	cbmv	bbcco	oo	ornm	61	48	45	-	1	-	0130	7.1
Scilly (St. Mary's) ...	bc	c	c	bcc	58	47	.	-	-	-	-	9.9
Falmouth (Pendennis)	bcc	cbcc	co	obc	57	48	.	-	-	-	-	6.1
Plymouth(Cattewater)	bbc	bcco	oo	ob	58	50	46	-	-	-	-	10.9
Portland Bill	cbc	bcc	co	oc	57	49	.	-	-	-	-	.
Southampton(Calshot)	b	c	oo	oo	63	50	49	-	-	-	-	10.1
Dungeness	bbc	c	oo	r-d	58	51	.	-	2	-	-	.
Jersey	bc	bcco	orro	o	60	50	.	-	3	-	<2100	8.4



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	6th 1000	"Cambria"	W	3	b	53	49	8
3	7th 0200	"Arundel"	W	2	b	51	51	7

GENERAL INFERENCE.

The anticyclone to the west of Ireland continues, while a shallow depression over France is tending to spread northwards. The weather is likely to be mainly fine and bright with a moderate temperature, except in the South of England where some local thundery showers are probable with continued high temperature.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Monday, 7th May, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Winds from between N. and NE., light to moderate; mainly fine but some cloudy periods with a risk of thundery showers; visibility moderate to good; warm.	There are indications of new depression to the Southwest of Iceland which will cause rather unsettled weather in Scotland, but further South conditions are likely to be mainly fair.
5. S.W. England	Moderate NE. winds; fine; visibility moderate to good; moderate temperature.	
6. South Wales		
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Moderate Northerly winds; fine; visibility moderate to good; moderate temperature.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland	Moderate or fresh Westerly winds, decreasing temporarily; mainly fine and bright but occasional showers in places; visibility moderate to good; moderate temperature.	
19. S.E. Ireland 20. S.W. Ireland	As 5.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0910 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.

SYNOPTIC CHART FOR MORNING OF MONDAY, 7TH MAY, 1923.

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

Scale - 1:10,000,000

Nautical Miles

Statute Miles

Low Cloud.

TEMPERATURE
WEATHER,
SEA

Bar.

Changes

Slight

LOW

Barometer

Rising

Barometric

HIGH

"BERENGARIA"

"ORDUNA"

"CELTIC"

EXPLANATION

BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. Direction is shown by arrows flying with the wind.
Force, on the scale 0–12, is indicated by the number of feathers.
Mean velocity is shown in miles per hour by figures in small circles.

TEMPERATURE is given in ° F

WEATHER SYMBOLS: ○ clear sky, ◐ sky ½ clouded, ● sky completely clouded; ◑ sky ½ clouded; ⊕ overcast sky; • rain falling; * snow; ✱ sleet; ▲ hail; ≡ fog; =° mist; T thunder; ⛈ thunderstorm.

SEA DISTURBANCE: ~~~ Rough, ≈≈≈ High.

TELEGRAPHIC CODE FOR STATION VISIBILITY.

0.	Dense fog. Objects not visible at	55	yards
1.	Rather thick fog " "	220	"
2.	Very bad " "	550	"
3.	Bad " "	1,100	"
4.	Very poor " "	1¼	miles.
5.	Poor " "	2½	"
6.	Moderate " "	6½	"
7.	Good " "	12½	"
8.	Very good " "	31	"
9.	Excellent. "	beyond 31	"

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4. BRITISH SECTION.....MONDAY, 7th MAY.....1923. No. 127.

Observations at 0100 G.M.T. 7th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	°F.	Humidity. %	Visibility.‡ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1005.9	-2	SW	4	bpc	41	85	7	4000	Cu Nb	2	Ac Cu	3	•
Stornoway	1012.9	+4	W	5	PH	•	•	•	•	•	•	•	•	•
Wick	1010.7	+2	WSW	3	b	38	85	8	-	-	0	-	0	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1018.5	+1	N	3	b-	43	75	9	4000	Cu	2	-	2	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1016.6	+3	W	3	b	42	85	8	-	-	0	-	0	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1018.3	+1	W	2	c-	45	85	6	4000	Nb	8	-	8	•
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1019.2	+1	NE N	3	o/c	48	85	8	2500	Str Cu	10	-	10	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1017.8	0	N N	2	c	50	92	7	4000	Str Cu	10	-	10	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1017.8	+1	-	0	bc-	52	85	6	2500	Str	3	Ast	6	•
Gorleston	1017.1	-1	-	0	b+	50	97	7	2500	Str	2	-	2	•
Valencia (Cahirciveen)	1022.3	+1	N	1	b	46	92	8	-	-	0	-	0	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1019.4	+1	N NE	2	bc	47	97	7	1500	Str	5	-	5	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)...	•	•	•	•	•	56	•	•	•	•	•	•	•	•
Croydon	1017.6	+1	NNW	2	o+	54	75	7	1500	Str	10	-	10	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1016.5	0	SSW	2	o	51	92	7	-	-	0	A.St	10	•
Scilly (St. Mary's) ...	1019.2	+1	-	0	c	51	92	8	4000	Str Cu	8	-	8	•
Falmouth (Pendennis)	1018.9	+2	N	1	o+	49	97	8	2500	Str Cu	10	-	10	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1018.2	+1	-	0	o+	50	92	7	2500	St	10	-	10	•
Southampton (Ca.shot)	1018.5	+1	W	2	o	51	85	8	-	-	0	A St	10	•
Dungeness	1017.1	0	SW	3	o	51	97	8	-	-	0	A St	10	•
Jersey 7h }														
Guernsey 1h }														

Observations at 0700 G.M.T. 7th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	°F.	Humidity. %	Visibility.‡ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1009.7	+6	NW	4	bcpc	43	65	8	4000	Cu Nb	6	-	6	3
Stornoway	1013.6	+1	WSW	4	bc	42	85	8	4000	Cu	6	-	6	4
Wick	1013.1	+3	N	2	bc	43	75	8	4000	Cu Nb	6	-	6	4
Castlebay	1016.2	0	N	4	bc	44	85	8	1500	Nb	6	Ast	6	5
Nairn	1017.3	•	SW	2	bc	44	75	8	4000	Cu	2	Cu	2	4
Aberdeen	1017.0	+2	WSW	4	b	45	65	8	-	-	0	-	0	0
Malin Head	1019.3	+1	SW	5	b	46	88	9	4000	Cu	1	-	1	4
Renfrew	1018.9	+3	-	0	c	43	75	9	2500	Str Cu	8	-	8	•
Edinburgh (Inchkeith)	1019.3	+3	WSW	3	mmb	41	85	9	•	Str	-	-	-	N
Leuchars	1018.2	+2	WSW	4	b	44	75	9	-	-	1	Cu	1	•
Eskdalemuir	1020.5	+2	SSW	1	b	40	65	7	2500	Cu	1	Ast	2	5
Tynemouth	1020.1	+2	WNW	1	bc+	43	92	6	-	-	0	Cu	0	0
Blacksod Point ...	1021.5	+1	WNW	2	bc	46	75	8	•	Cu Nb	4	-	4	1
Donaghadee	1021.4	+1	W	2	b-	43	85	8	-	-	0	-	0	0
Birr Castle	1023.8	•	SE	1	b-	38	97	6	-	-	0	-	0	•
Holyhead	1021.9	+4	E'N	3	b-	48	85	9	2500	Cu	4	-	4	2
Liverpool (Bidston) ...	1021.1	+3	N'N	1	bc	46	85	8	2500	Cu	2	Cir	2	•
Chester (Shotwick) ...	1020.8	+3	WNW	4	c	48	75	8	4000	Str Cu	8	-	8	1
Spurn Head	1019.6	+2	N	4	0	49	75	7	4000	Str Cu	10	-	10	2
Nottingham	1019.9	+4	NNE	3	0	49	75	7	2500	Str Cu	10	-	10	•
Cranwell	1020.0	+3	NE	3	0	48	92	7	2500	Str Cu	10	-	10	•
Gorleston	1017.4	0	N	3	0	50	92	6	-	-	0	Ast	10	1
Valencia (Cahirciveen)	1023.3	+3	NE E	1	b	46	75	9	4000	Nb	3	-	3	0
Roches Point	1022.5	+2	NNW	1	c-	45	92	8	4000	St-Cu	7	-	7	0
Pembroke (St. Ann's H.)	1020.3	+2	NE	4	bc	48	85	7	1500	St	4	-	4	3
Ross-on-Wye	1019.8	+2	NE	3	c⊕	50	75	8	2500	St	1	Cu	9	•
Benson...	1018.1	+2	NNW	3	0	52	85	6	•	Str Cu	9	-	9	•
Andover	1018.7	0	N'E	3	0+	53	75	7	-	-	0	Ac Cu	10	•
S. Farnborough ...	1018.5	+2	SSE	2	mmbc	54	75	6	-	-	0	Ac Cu	5	•
London (Kew Obsy.)...	1018.2	+1	N	2	0-	55	75	6	4000	Str Cu	2	Ac Cu	9	•
Croydon	1017.6	0	W	1	0	53	85	6	5700	Str Cu	10	-	10	•
Clacton-on-Sea ...	1016.8	0	NNW	3	0	55	85	6	7200	Str Cu	10	-	10	0
Shoeburyness	1017.3	0	NW	1	0-	56	85	6	-	-	0	Ac Cu	10	•
Grain	1017.5	+1	W	3	0	55	85	6	5700	Str Cu	10	-	10	0
Lympne	1017.4	+3	SW	3	0	53	97	6	800	St	9	Ast	10	•
Scilly (St. Mary's) ...	1018.8	+1	NNE	2	c-	52	92	8	4000	Str Cu	8	-	8	2
Falmouth (Pendennis)	1019.3	+1	N	2	bc/c	50	97	8	4000	Cu	5	-	5	0
Plymouth (Cattewater)	1018.8	+1	-	0	b	51	85	7	-	-	0	Cir St	0	0
Portland Bill	1018.2	⊖	N	1	bc-	53	92	7	-	-	0	Ac Cu	5	0
Southampton (Ca.shot)	1018.6	+2	N W	2	o-	53	75	6	-	-	0	Ac Cu	9	0
Dungeness	1017.7	+3	SW	4	qc	52	97	7	4000	Str Cu	10	-	10	0
Jersey 7h }	1018.2	0	E	2	qc	52	92	7	2500	Str Cu	10	-	10	0
Guernsey 1h }														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 6th MAY

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 5h-6h	Temperature. Max. Day. 6h-	Rainfall.† Night 17h.-9h. 5h-6h	Rainfall.† Day 9h.-17h. 6h-	Sunshine. Sunrise to 17h. 6h-	Sunshine. Sunrise to Sunset. 5h-
			°F.	°F.	mm.	mm.	hr.	hr.
Montrose	-	-	47	59	-	-	6.6	3.1
Llandudno	bc	bbc	45	60	0.2	-	9.7	1.6
Colwyn Bay ...	c	c	44	55	1	-	*	1.4
Rhyl...	bc	cbc	42	56	3	-	9.2	1.8
Southport	ocbc	bcb	44	56	6	-	7.8	0.3
Blackpool	cob	cc	46	57	4	-	6.7	3.0
Ilkley	ormc	b	40	61	7	-	8.8	4.1
Harrogate	cbc	bcb	43	58	5	-	9.7	3.7
Skegness	b	b	50	66	-	-	9.8	5.4
Aberystwyth ...	cbb	b	43	57	5	-	10.0	2.5
Bath	xbcb	bbc	47	64	-	-	7.1	2.1
Leamington Spa ...	-	-	43	64	3	-	10.5	0.7
Lowestoft	ococ	cbcco	52	63	-	-	6.7	9.5
Felixstowe	c3b	bc3	54	64	-	-	4.5	8.7
Southend	ocbc	bcco	53	70	-	-	7.2	7.7
Ilfracombe	ocbc	bccbc	48	56	-	-	8.1	0.0
Bude	wbbc	bcbc	48	58	-	-	8.6	0.1
Penzance	bcc	bcv	46	61	-	-	4.9	1.3
Paignton	bcy	bcco	46	64	-	-	9.0	4.1
Torquay	b	bcco	47	63	-	-	9.3	4.4
Weymouth	cwcb	bco	49	63	-	-	7.7	4.0
Bournemouth ...	bbb	bo	50	65	0.3	-	10.0	5.5
Portsmouth (S'thsea)	bb	bbc	52	65	-	-	9.5	5.1
Worthing	bbc	bcc	52	62	-	-	9.7	7.7
Brighton	obb	bbco	51	59	-	-	8.3	9.0
Eastbourne	bbc	cco	51	60	-	-	7.5	10.5
Hastings	bcb	bbcco	51	59	-	-	7.8	13.0
Folkestone	bc	bc	51	69	-	-	7.2	11.3
Tunbridge Wells ...	b	bbc	50	71	-	-	8.2	9.4
Ramsgate	bcbbc	bbc	52	65	-	-	5.5	10.9
Margate	c	c	53	65	-	-	1.3	8.3
Deal	bccb	bccc	52	66	-	-	7.0	10.4

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. ‡ For code see page 5. ‡ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22147. TUESDAY, 8TH MAY 1923.

Observations at 1300 G.M.T. 7th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	State of Ground.
Lerwick	1012·1	+2	W	3	cpr.	43	75	7	4000	Cu Nb	8	-	8	•
Stornoway	1013·9	0	W	4	bc	42	65	8	4000	Cu	6	-	6	•
Wick	1013·9	+1	W	1	cpr.	44	92	8	4000	Cu Nb	9	-	9	•
Castlebay	1006·3	0	SW	5	cpr.	47	85	8	1500	St.	10	-	10	•
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	•
Aberdeen	1015·9	-2	WSW	3	bcjp	57	745	8	2500	Cu	6	-	6	0
Malin Head	1018·6	0	W	6	cpr.	51	75	9	5700	Cu Nb	1	Ci. Cu	7	•
Renfrew	1019·5	-1	WSW	4	bc	53	55	9	2500	St. Cu	5	-	5	0
Edinburgh (Inchkeith)	1018·2	-2	W	4	b/f	49	65	7	*	Cu	2	-	2	•
Leuchars	1017·8	-1	WSW	6	b	54	55	8	4000	Cu	3	-	3	0
Eskdalemuir	1019·6	-1	SW	5	bc	52	45	8	4000	Cu	6	-	6	0
Tynemouth	1020·3	0	SE	2	bc-	48	75	8	4000	Cu Nb	3	Ci	5	•
Blacksod Point	1021·8	0	SW	5	c	52	75	7	*	Cu Nb	8	-	8	•
Donaghadee	1021·0	0	E	3	bc+	51	65	8	2500	Cu	4	-	4	•
Birr Castle	1022·7	*	E	1	bc+	54	65	8	4000	St. Cu	6	-	6	•
Holyhead	1022·6	+1	NE'N	2	b	51	85	8	2500	Cu	2	-	2	0
Liverpool (Bidston)	1021·9	+1	WNW	2	b	49	55	8	4000	St. Cu	2	Ci	3	•
Chester (Shotwick)	1021·5	0	WNW	4	b	54	55	8	-	-	0	A. Cu	3	1
Spurn Head	1021·4	+2	NW	3	bc	50	75	8	-	-	0	Ci. Cu	5	•
Nottingham	1020·7	0	SE	1	c	56	65	8	2500	St.	7	-	7	•
Cranwell	1020·9	0	NNE	1	b	56	65	8	2500	Cu	1	-	1	0
Gorleston	1020·2	+2	N	5	b	52	75	7	-	-	0	A. Cu	2	•
Valencia (Cahirciveen)	1025·4	0	N	4	b	51	65	9	2500	Cu	3	-	3	0
Roches Point	1022·0	-1	S.E	1	bc-	53	75	9	5700	Cu	2	-	2	•
Pembroke (St. Anu's H.)	1021·2	0	N	4	bc	55	65	8	4000	St. Cu	5	-	5	•
Ross-on-Wye	1020·3	0	NE	3	c-	57	65	7	5700	Cu	1	A. Cu	8	0
Benson	1020·1	+1	N	3	0	51	75	7	-	St	10	-	10	0
Andover	1019·0	0	NNE	3	0	60	65	6	4000	St. Cu	7	Ci. St	9	0
S. Farnborough	1019·0	0	ESE	2	c-	66	92	7	4000	Cu	7	-	7	0
London (Kew Obsy.)	1019·4	0	N'E	3	c	62	55	7	4000	Cu	5	Ci. St	7	0
Croydon	1018·8	0	N'E	3	0+	63	65	7	4000	Cu	5	A. Cu	9	0
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1019·9	+1	E	3	b	59	75	6	-	-	0	Ci.	3	*
Grain	1019·8	+2	ENE	5	bc	58	75	6	-	-	0	A. Cu	4	0
Lympne	1019·5	+3	E	3	c	56	85	6	2500	St. Cu	8	-	8	0
Scilly (St. Mary's)	1019·8	0	NE	4	c	55	75	8	4000	St. Cu	8	-	8	•
Falmouth (Pendennis)	1021·0	0	-	0	0/f	58	75	8	4000	St.	10	-	10	•
Plymouth (Cattewater)	1019·1	0	S	3	0	55	85	7	4000	St. Cu	2	Ci St	10	0
Portland Bill	1019·9	0	N	2	bc+	59	92	7	-	-	0	A. Cu	6	•
Southampton (Calshot)	1019·1	-1	NNW	2	0+	65	55	7	4000	Cu	2	A. St	9	0
Dungeness	1018·8	+2	SW	3	bc-	58	75	8	-	-	0	Ci. Cu	6	•
Jersey	1018·0	0	NE	2	0	60	75	7	2500	St. Cu	10	-	10	•

Observations at 1800 G.M.T. 7th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1011·7	0	W	2	bjp	44	75	8	4000	Cu	3	-	3	1
Stornoway	1013·2	-1	SW	3	0+	46	75	7	4000	Cu Nb	9	-	9	2
Wick	1013·5	-1	SSE	1	cpr.	44	85	8	2500	Cu Nb	9	As St	10	0
Castlebay	1015·0	-0	SW	3	cpr.	47	92	7	800	Nb	10	-	10	3
Nairn	1013·8	*	W	3	c/r	48	75	8	1500	Cu Nb	8	-	8	•
Aberdeen	1015·6	-1	SW'W	3	bcpr.	53	65	8	2500	St Cu	5	-	5	0
Malin Head	1017·8	-1	WSW	6	bc	51	85	8	4000	Cu Nb	4	Ac Cu	6	4
Renfrew	1018·5	-1	WSW	4	c	48	75	7	2500	St	8	-	8	•
Edinburgh (Inchkeith)	1016·9	-1	W	4	bc+	50	65	8	-	Cu	4	Ci St	5	3
Leuchars	1016·8	-1	WSW	6	bc	50	65	8	4000	St Cu	4	-	4	•
Eskdalemuir	1019·1	-1	SW	5	b-	48	65	8	4000	St Cu	3	-	3	•
Tynemouth	1019·6	0	SSE	3	b	49	75	7	-	-	0	Ci	2	1
Blacksod Point	1021·1	-2	SW	5	0+	50	75	7	-	-	0	As St	10	4
Donaghadee	1019·9	-1	SW	1	bc+	52	85	8	2500	Cu	6	-	6	2
Birr Castle	1021·5	*	W	1	bc-	54	65	9	4000	Cu	4	-	4	•
Holyhead	1021·7	-1	-	0	b-	49	75	9	-	-	0	Ci St	1	•
Liverpool (Bidston)	1021·1	-0	NW	3	b	49	65	8	-	-	0	Ci	1	0
Chester (Shotwick)	1021·4	-0	NW	4	b	50	65	8	-	-	0	Ci	1	3
Spurn Head	1021·1	0	SE'E	3	0	48	85	8	-	-	0	As St	10	•
Nottingham	1019·9	0	SW	2	0+	57	65	7	2500	St Cu	10	-	10	2
Cranwell	1020·3	+0	SE'E	3	0	51	75	8	4000	St Cu	10	-	10	*
Gorleston	1020·6	0	N'E	3	c+	49	75	7	-	-	0	Ci	7	0
Valencia (Cahirciveen)	1023·5	0	NNW	4	b-	50	65	9	-	-	0	-	0	1
Roches Point	1021·9	0	S.W	2	bc-	53	85	9	5700	Cu	2	-	2	0
Pembroke (St. Anu's H.)	1020·8	-1	N	4	bc	51	65	8	-	-	0	Ci St	5	3
Ross-on-Wye	1019·6	-1	E'N	2	0+	58	65	6	2500	St	1	As St	10	•
Benson	1019·7	+1	NE	3	0	57	65	7	-	-	0	As St	10	•
Andover	1018·8	0	NNE	3	0	57	75	7	4000	St Cu	6	As St	10	•
S. Farnborough	1019·0	0	NE	2	0-	59	65	7	4000	St Cu	10	-	10	•
London (Kew Obsy.)	1019·7	+1	ESE	3	0	58	65	7	1500	Cu	8	As St	10	•
Croydon	1019·4	+1	E	3	0	56	75	7	4000	St Cu	10	-	10	•
Clacton-on-Sea	1020·1	0	NE	4	c+	52	65	7	-	-	0	As St	8	2
Shoeburyness	1020·2	0	E	5	0	52	75	6	2500	St Cu	10	-	10	2
Grain	1020·1	0	ENE	5	0+	52	85	8	-	-	0	As St	10	3
Lympne	1019·4	+1	NE	4	0	51	85	7	-	-	0	As St	10	•
Scilly (St. Mary's)	1020·0	0	NE'N	4	0pr.	51	75	7	4000	St Cu	5	As St	10	2
Falmouth (Pendennis)	1019·1	-1	N	3	c/f	54	75	8	5700	St Cu	8	-	8	0
Plymouth (Cattewater)	1019·0	0	-	0	0r.	56	75	7	5700	St	10	-	10	0
Portland Bill	1019·9	0	NNE	3	0+	58	82	6	-	-	0	As St	10	1
Southampton (Calshot)	1018·4	-0	-	0	0	60	75	6	5700	St Cu	5	As St	10	0
Dungeness	1019·1	0	E	4	0+	52	85	7	-	-	0	Ci St	9	4
Jersey	1017·1	0	N	3	0rr	56	85	6	1500	Nb	10	-	10	0

LONDON OBSERVATIONS

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 Hours ended 0900 G.M.T. 8th								Yesterday.		To-day.
Kew } 24 hours ended 0700	bc 9 e y	o 4 o v o	0 5 r. 0 m	*	*	44	-	04	6·0	*	*
Croydon }	0 c 3	00	0 5 r. 0 m	*	*	44	-	1	5·2	*	*
Greenwich (Royal Obsy.)	c 8	0	0 d r	64	48	48	-	1	4·4	66	45
City (Bunhill Row)	*	*	*	*	*	*	*	*	5·4	*	*
Westminster (St. James' Pk.)	*	*	*	66	50	50	1			56	68
Regent's Pk. (Botanic Gdns.)	*	*	*	*	*	*	*	*	5·5	*	*
Camden Square			*				2		*		
Kensington Palace	b c 0	0 0	*	65	49	49	-	1	*	68 (18h.)	74
Hampstead Observatory	*	*	*	63	46	46	-	2	6·0	*	74

ATMOSPHERIC POLLUTION.
Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T. 7th

South Kensington

Max.	Time.	Min.	Time.

Kew Observatory

Max.	Time.	Min.	Time.
0·3	21h. 6m.	0·3	1h. 7m.
0·4	6h. 7m.		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 7 h. 20 m. to 8 h. 3 h. 10 m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	6 30	Nil.	0
δ Ursae Minoris	6 30	Nil.	0

CODE FOR STATE OF GROUND.
0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2 ins. deep).
4 = Bare ground frozen (but more than 2 ins. deep).
5 = Dew (or wet grass but not wet ground).
6 = Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7 = Snow (thin layer, often not continuous).
8 = Snow (deep, impeding traffic, usually a continuous layer).
9 = Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.†

Time.	Type.	No. per 4 sec.	Strength.	Direc.
13h.	C, C2	6	-	165
18h.	C	4	-	-
01h.	C	4	-	70
07h.	C	5	-	10

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

8th & 9th May, 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4.12	11.49	7.26
	4.10	11.49	7.28
Greenwich	4.22	11.56	7.30
	4.21	11.56	7.31
Wick	4.4	12.8	8.12
	4.2	12.8	8.12
Valencia	5.1	12.37	8.42
	5.0	12.37	8.10

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000–10340 m.
f fog, " 200–1000 m.
F thick fog " less than 200 m.
ip precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

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; i = intermittent; — = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail".
Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
rr = continuous moderate rain.
ro/o = continuous light rain.

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

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1–3
2	4–7
3	8–12
4	13–18
5	19–24
6	25–31
7	32–38
8	39–46
9	47–54
10	55–63
11	64–75
12	Above 75

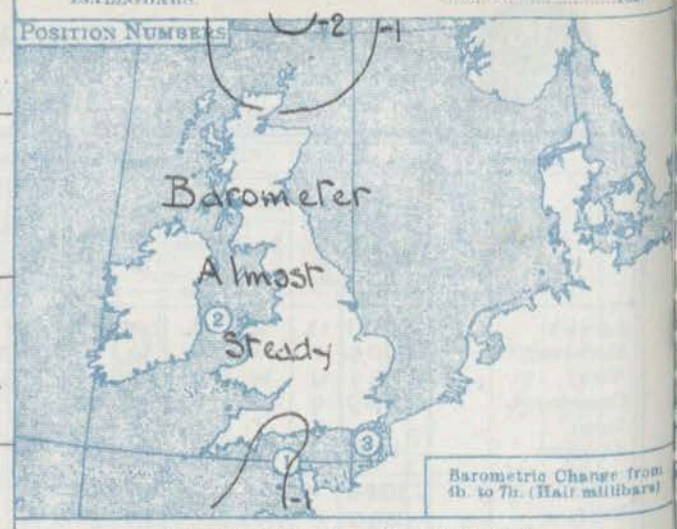
SEA DISTURBANCE.

0 = no swell } Calm or
1 = mod. swell } slight
2 = heavy swell } sea.
3 = no swell
4 = mod. swell } Moderate
5 = heavy swell } sea.
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea.

* For explanation see Introduction. Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 8.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.–13h.	WEATHER. 13h.–18h.	WEATHER. 18h. to 1h.	WEATHER. 1h.–7h.	TEMPERATURE. MAX. Day. 7h.–13h.	TEMPERATURE. MIN. Night. 18h.–7h.	TEMPERATURE. MIN. on Grass	RAINFALL† Day. 7h.–18h. mm.	RAINFALL† Night. 18h.–7h. mm.	RAINFALL† Precipitation began.	RAINFALL† Precipitation began.	SUN. Hours.
Lerwick	cp	bc	b	bc	48	37	•	1	2	<0800	<2100	9.4
Stornoway	cp	cp	c	bcpr	50	39	•	1	3	–	–	4.0
Wick	oqpr	opro	rrir	bir	44	36	•	1	5	0900	<2100	•
Castlebay	copcq	opcmp	qpoc	copbc	48	44	•	0.2	1	–	–	3.4
Nairn	bcdc	irgc	cpg	irqq	53	40	•	1	1	1100	2200	6.9
Aberdeen	b.bcy	bccpr	bb	bbc	68	42	24	1	-	1430	-	11.8
Malin Head	blcv	pcoq	caid	copry	53	45	•	Trace	1	1230	2200	10.9
Renfrew	cphpy	bcyq	cor	orre	53	46	43	1	1	0900	<2100	8.9
Edinburgh(Inchkeith)	zbbc	bc	p	c	52	45	42	–	0.2	–	2400	14.2
Leuchars	b.bc	b.bc	bcobc	bbc	57	42	36	–	-	–	-	13.3
Eskdalemuir	bccy	bcyb	bcopo	opo	55	39	35	–	Trace	–	<2100	10.4
Tynemouth	b.bc	b.bc	bbm	bm	56	40	26	–	–	–	-	•
Blacksod Point ...	b.bc	c	c		54	43	•	–	1	–	-	•
Donaghadee	c	bc	bc	bc	56	42	•	–	-	–	-	•
Birr Castle	bcco	bc	bc	co	57	40	30	–	-	–	-	•
Holyhead	bwvb	bbv	bbv	bbw	51	43	35	–	-	–	-	13.5
Liverpool (Bidston) ...	b.bc	b.bc	b		52	42	34	–	–	–	-	12.9
Chester (Shotwick) ...	cbcb	bb	bm	bxm	55	52	16	–	-	–	-	11.8
Spurn Head	c	c	bbc	oobc	53	43	•	–	-	–	-	7.1
Nottingham	Ob	c	qo	ome	60	43	39	–	–	–	-	5.4
Cranwell	otbc	bbcco	bcm	cmm	60	38	31	–	-	–	-	4.5
Gorleston	cbcby	bbcc	bbc	cvbm	53	43	34	–	-	–	-	6.2
Valencia (Cahirciveen)	b	bv	bcb	odo	52	44	34	–	0.1	–	0630	14.4
Roches Point	cbv	bbcbv	bw	b	55	42		mil	trace	—	—	
Pembroke(St.Ann's H.)	b.bc	c	bbc	bbc	58	43	•	–	-	–	-	13.0
Ross-on-Wye	bco	bbco	omye	cocm	61	43	34	–	-	–	-	6.1
Benson	oo	oo	or	o	61	48	45	–	1	–	2100	•
Andover	acom	omco	oopro	o	62	47	43	-	1	–	2200	6.1
S. Farnborough ...	bcc	cog	ogor	o	67	48	48	–	0.6	–	<2100	5.5
London (Kew Obsy.) ...	bcycy	oyouo	oor	orom	63	49	47	–	0.4	–	2400	6.3
Croydon	ocj	oo	r	om	CA	48	44	–	1	–	2200	3.2
Clacton-on-Sea ...	ozbc	bcc	co	o	60	48	47	–	-	–	-	5.0
Shoeburyness	b	bco	oor	o	63	47	47	–	1	–	<2100	4.5
Grain	c	bczoo	oorro	oo	61	49	45	–	2	–	2200	6.2
Lympne	obcm	cbom	orm	orm	CA	47	46	–	2	–	2200	6.6
Scilly (St. Mary's) ...	cbcc	co	oq	c	57	48	•	Trace	-	1730	-	6.6
Falmouth (Pendennis)	bc	bcc	c	cm	54	48	•	–	0.3	–	0130	2.8
Plymouth(Cattewater)	bbco	oor	or	om	61	52	50	Trace	0.1	1730	<2100	3.9
Portland Bill	c	co	orcop	opo	60	50	•	–	1	–	<2100	•
Southampton(Calshot)	c	oo	orrc	obc	66	49	46	–	2	–	<2100	4.2
Dungeness	c	c	rd	rr	59	50	•	–	3	–	2200	•
Jersey	obro	orr	oiro	oiro	64	50	•	3	3	1730	<2100	4.8



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	7th 1000	CAMBRIA	NNE	3	bv	54	53	9
3	8th 0300	BRIGHTON	E	4	rr	53	54	6

GENERAL INFERENCE.

Pressure is still highest north of the Azores and relatively low north of Scotland and on the Continent. Cool westerly winds with rather unsettled weather will continue in the North but in the South fair quiet and rather warm weather is probable.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday, 8th May, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Light to moderate northeasterly winds; fair; visibility moderate to good; rather warm.	Rather unsettled in Scotland, mainly fair further South.
7. North Wales 8. N.W. England 9. N. Midlands	Moderate Westerly winds; mainly fair but occasional showers in places; visibility moderate to good; cool.	
10. N.E. England 11. E. Scotland	Moderate Westerly winds; fair; visibility moderate to good; moderate temperature.	
12. S.W. Scotland 13. Isle of Man 14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland	Moderate to fresh Westerly winds; occasional showers, but bright periods; visibility good; moderate temperature.	
18. N.E. Ireland	As 7 to 9.	
19. S.E. Ireland 20. S.W. Ireland	Light Northerly winds; mainly cloudy at first, improving later; visibility moderate to good; moderate temperature.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0900 G.M.T. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.

SYNOPTIC CHART FOR MORNING OF TUESDAY, 3TH MAY, 1923.

Scale – 1:10,000,000

Nautical Miles. 100 0 100 200

Statute Miles. 100 0 125 200

HIGH 1014 — 28 — 5 Cloudy

32 — 2 O'cast.

Bar 1012

15 32 Snow

LOW

21 32 Steady Rising

LOW 1010

5 41 Cloudy

1012

10 44 Rain

Barometric

2 34 O'cast.

1014

27 46 Showers

5 47 Fair

1016

1018

47 10 Fair

27 47 Showers

2 46 Cloudy

1020

1022

15 49 Cloudy

Changes

1024

46 2 O'cast.

49 10 Fine

46 0 O'cast.

48 0 Fair

2 50 Fine

HIGH

48 5 Drizzle

10 49 Fine

2 52 O'cast.

0 55 O'cast. Fog

Slight

51 13 Cloudy

5 54 O'cast.

54 5 O'cast.

59 5 O'cast. Mist

LOW 1014

15 61 O'cast.

61 2 O'cast.

1018

1016

5 61 Fine

2 68 Fair

61 2 Fine

2 61 Fine

HIGH

1000

1002

1004

1006

1008

1010

37 3 Cloudy

0 34 O'cast.

10 43 Cloudy

Low Cloud.

Temperature Weather, Sea

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

EXPLANATION

BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. Direction is shown by arrows flying with the wind. Force, on the scale 0–12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.

TEMPERATURE is given in ° F.

WEATHER SYMBOLS: ○ clear sky, ◔ sky ¼ clouded; ◑ sky ½ clouded; ◕ sky ¾ clouded; ◍ overcast sky; ● rain falling; ✱ snow; ✱ sleet; ▲ hail; ≈ fog; ≈° mist; T thunderstorm.

SEA DISTURBANCE: ~~~ Rough, ≈≈≈ High.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

0.	Dense fog. Objects not visible at	55 yards
1.	Rather thick fog " "	220 "
2.	Very bad " "	550 "
3.	Bad " "	1,100 "
4.	Very poor " "	2200 "
5.	Poor " "	1¼ miles.
6.	Moderate " "	2½ "
7.	Good " "	5 "
8.	Very good. " "	12 "
9.	Excellent. " "	31 "
		beyond 31 "

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION... TUESDAY, 8TH MAY ..... 1923. No. 128...

Observations at 0100 G.M.T. 8th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.‡ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1011·0	-1	S	1	b	39	95	8	-	-	0	A St	1	*
Stornoway	1012·0	-2	W	3	PR	*	*	5	*	*	*	*	*	*
Wick	1011·9	-2	SW	1	or°	40	92	8	1500	Nb	8	A St	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1014·0	-1	WSW	6	c/r	47	99	8	5700	Nb	5	A St	8	*
Renfrew	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	1015·8	-2	WSW	5	or°	46	86	8	-	-	0	A St	9	*
Leuchars	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	1018·9	-1	W	1	b	45	95	6	-	-	0	-	0	*
Blacksod Point ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	1020·4	-1	W	2	b-	45	99	8	-	-	0	-	0	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1019·3	-1	S	2	c+	46	92	8	4600	Cu	4	-	4	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1021·1	-1	-	0	b	41	84	6	4000	St Cu	3	-	3	*
Gorleston	1020·4	-1	ENE	1	bc	44	85	4	2500	St	4	-	4	*
Valencia (Cahirciveen)	1022·6	0	W	2	b	49	92	8	-	-	0	A Cu	2	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1021·4	0	N	3	bc	45	65	8	2500	St	4	-	4	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	*	*	*	*	*	53	*	*	*	*	*	*	*	*
Croydon	1020·3	0	NE	2	c/r	49	94	6	1500	St	10	-	10	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1018·9	0	NE	3	or°	48	94	6	1500	Nb	10	-	10	*
Scilly (St. Mary's) ...	1019·4	-1	NE'N	4	c	50	95	8	4000	St Cu	8	-	8	*
Falmouth (Pendennis)	1019·6	0	NE	3	0	50	85	8	4000	Cu	10	-	10	*
Plymouth (Cattewater)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1019·9	0	N	3	c/r	55	92	4	450	St	10	-	10	*
Southampton (Calshot)	1019·3	0	ENE	2	b-	51	92	6	-	-	0	-	0	*
Dungeness	1019·3	0	E	4	c/r	50	94	4	4000	Nb	10	-	10	*
Jersey 7h }														
Guernsey 1h }														

Observations at 0700 G.M.T. 8th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.‡ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1009·0	-2	SW	3	or+	44	93	7	4000	Nb	9	-	9	2
Stornoway	1012·0	0	NW	6	bc/PR	46	93	7	4000	Cu Nb	6	-	6	3
Wick	1010·9	-1	W	2	b/r	44	92	8	4000	Cu Nb	3	-	3	0
Castlebay	1014·9	0	WNW	4	bc	46	95	8	4000	St Cu	5	-	6	3
Nairn	1012·8	*	W	1	bc/r	47	85	8	4000	Cu	3	A Cu	6	*
Aberdeen	1013·8	0	SW	2	bc+	47	95	8	2500	St Cu	6	-	6	0
Malin Head	1014·1	0	WNW	6	c PR	47	95	8	5700	Nb	5	Cu St	7	4
Renfrew	1015·8	-1	W	3	bc	47	85	7	2500	St Cu	4	-	4	*
Edinburgh (Inchkeith)	1015·1	-1	WSW	2	b-	46	85	7	+	Cu	2	A Cu	3	2
Leuchars	1014·1	-1	WSW	3	bc	48	86	8	4000	Cu	2	A Cu	3	*
Eskdalemuir	1014·1	-1	SW'S	3	or r	44	92	6	1500	St Cu	10	-	10	*
Tynemouth	1016·9	0	W	1	c	46	85	6	4000	St Cu	8	-	8	0
Blacksod Point ...	1020·0	-1	WNW	4	0	49	95	7	+	Cu Nb	8	-	8	4
Donaghadee	1018·5	0	W	2	bc-	47	92	8	1500	Cu	2	A Cu	4	2
Birr Castle	1020·0	*	S	1	0+	46	92	7	2500	St Cu	9	-	9	*
Holyhead	1020·1	0	NW'N	3	b	49	85	8	4000	St Cu	2	Cu	3	1
Liverpool (Bidston) ...	1019·7	0	SW	2	b	47	65	7	-	-	0	-	0	2
Chester (Shotwick) ...	1019·7	0	SE	2	b-	43	85	5	-	-	0	-	0	*
Spurn Head	1019·4	0	W	2	mbc	46	95	4	800	St	2	A Cu	4	1
Nottingham	1019·5	0	-	0	0	46	85	5	1500	St	10	-	10	*
Cranwell	1020·1	-1	NNW	1	c	44	85	6	2500	St Cu	8	-	8	*
Gorleston	1019·4	0	-	0	bc-	48	85	6	2500	St	3	A St	5	0
Valencia (Cahirciveen)	1020·1	0	NNW	2	od	48	92	7	1500	St	10	-	10	1
Roches Point	1021·5	0	NNW	2	bc+	46	92	8	-	-	0	Cu	2	0
Pembroke (St. Ann's H.)	1020·2	0	N	3	b	49	95	8	4000	Cu	3	-	3	3
Ross-on-Wye	1019·8	0	N	2	c	48	65	6	-	-	0	A Cu	8	*
Benson...	1018·8	0	E	1	0	51	85	7	+	Cu	3	A St	10	*
Andover	1018·9	0	NE'N	2	0	50	92	7	5700	St	10	-	10	*
S. Farnborough ...	1018·8	0	E'N	2	0	50	85	6	4000	St Cu	10	-	10	*
London (Kew Obsy.) ...	1019·2	0	NE	1	0	52	95	5	2500	St	8	A St	10	*
Croydon	1019·3	-1	NE'N	2	0	49	92	5	800	St	10	-	10	*
Clacton-on-Sea ...	1019·1	-1	NNE	3	0	50	85	7	7200	St Cu	10	-	10	1
Shoeburyness	1019·3	-1	NE	2	0	51	85	7	2500	St Cu	8	A Cu	10	*
Grain	1019·4	0	NE	3	0	51	92	8	1500	St Cu	10	-	10	0
Lympne	1018·2	-1	NE	3	or	50	97	7	1500	St	10	-	10	*
Scilly (St. Mary's) ...	1018·4	0	NNE	4	c	51	95	8	4000	St Cu	7	-	7	4
Falmouth (Pendennis)	1018·9	0	NNE	3	0+	50	85	7	1500	Cu	10	-	10	0
Plymouth (Cattewater)	1019·2	0	-	0	0	53	85	6	1500	St	10	-	10	0
Portland Bill	1018·0	-3	NNE	2	or r	54	95	7	2500	St	10	-	10	3
Southampton (Calshot)	1018·4	-1	NNE	2	c+	53	85	6	-	-	0	A Cu	8X	0
Dungeness	1018·4	0	E	4	or r	51	92	7	450	St	5	Cu St	10	4
Jersey 7h }	1016·6	0	NNE	2	b r	54	85	7	4000	St Cu	10	-	10	0
Guernsey 1h }														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR... 7h

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. °F.	Temperature. Max. Day. °F.	Rainfall.† Night 17h.-9h. mm.	Rainfall.† Day 9h.-17h. mm.	Sunshine. Sunrise to 17h. hr.	Sunshine. Sunrise to Sunset. hr.
Montrose	x	x	38	57	-	-	10·9	8·8
Llandudno	b	bbc	47	52	2	-	10·1	11·0
Colwyn Bay ...	bc	bc	46	52	1	-	9·5	8·8
Rhyl...	bc	bc	47	51	0·2	-	10·5	9·6
Southport	b	b	45	52	1	-	10·9	9·5
Blackpool	bcb	b	43	52	1	-	11·5	7·7
Ilkley	bcb	b	45	59	0·1	-	10·1	10·1
Harrogate	b	b	42	59	-	-	9·0	12·4
Skegness	b	b	48	51	-	-	6·5	10·4
Aberystwyth ...	rcb	b	46	53	0·3	-	8·0	12·0
Bath	bcb	bcc	48	64	-	-	7·1	7·7
Leamington Spa ...	cb	cb	49	60	-	-	2·0	10·7
Lowestoft	ccb	bcc	48	53	-	-	5·7	6·7
Felixstowe	bcbc	bcc	52	60	-	-	4·6	5·4
Southend	ccbc	bcc	52	64	-	-	4·7	7·2

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. °F.	Temperature. Max. Day. °F.	Rainfall.† Night 17h.-9h. mm.	Rainfall.† Day 9h.-17h. mm.	Sunshine. Sunrise to 17h. hr.	Sunshine. Sunrise to Sunset. hr.
Ilfracombe	cbcc	cbccb	48	57	-	-	5·3	9·1
Bude	b	c	46	58	-	-	4·6	5·9
Penzance	bc	bccb	48	58	-	-	5·7	5·5
Paignton	bc	bccbb	50	60	-	-	6·4	9·0
Torquay	b	c	51	63	-	-	6·2	9·3
Weymouth	c	cb	50	68	-	-	2·7	7·7
Bournemouth ...	c	c	48	65	-	-	2·7	9·9
Portsmouth (S'thsea)	bb	bc	52	66	-	-	5·2	9·5
Worthing	bc	bcc	52	64	-	-	6·4	9·7
Brighton	cb	bcu	52	59	-	-	6·5	8·3
Eastbourne	cbc	bcc	51	60	1	-	7·5	7·5
Hastings	cbcb	bbcc	51	63	2	-	7·5	7·8
Folkestone	b	b	51	60	1	-	6·7	8·6
Tunbridge Wells ...	b bc	bcb	51	67	-	-	3·9	8·3
Ramsgate	bcb	bnc	51	60	-	-	7·7	5·6
Margate	cb	b	53	57	-	-	6·3	2·0
Deal	cbbc	bbc	52	64	1	-	6·5	7·0

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm ‡ For code see page 3. † See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.2248 WEDNESDAY, 9th MAY 1923. Page 1.

Observations at 1800 G.M.T. 9th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1008.1	0	WSW	4	c/r	45	65	7	5700	Cu	3	A.Cu	8	*
Stornoway	1013.1	+1	NW	4	bc	47	55	7	4000	Cu Nb	5	-	5	*
Wick	1011.1	+1	WNW	3	opp	46	65	8	4000	Cu Nb	9	-	9	*
Castlebay	1015.5	0	W	5	bc+	48	75	8	2500	St Cu	6	-	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1012.6	-1	WNW	3	c	55	55	8	2500	Cu	9	-	9	0
Malin Head	1017.5	0	WNW	4	bcpp	49	85	9	4000	Cu Nb	4	-	4	*
Renfrew	1018.8	0	W	4	c	52	65	8	4000	Cu	7	-	7	0
Edinburgh (Inchkeith)	1013.7	-2	W	4	bc+	51	65	8	*	Cu	5	-	5	*
Leuchars	1012.6	-1	WSW	4	bc	57	55	8	4000	Cu	5	-	5	0
Eskdalemuir	1015.5	-1	W	5	bc	52	65	7	4000	Cu	4	-	4	0
Tynemouth	1015.6	-2	W	1	cpp	56	75	6	4000	Cu	7	-	7	*
Blacksod Point	1020.0	0	WNW	4	bc	53	75	8	*	Cu Nb	4	-	4	*
Donaghadee	1018.1	0	ENE	3	bc+	51	75	8	1500	Cu Nb	5	-	5	*
Birr Castle	1019.8	*	W	1	c-	54	65	8	4000	St Cu	7	-	7	*
Holyhead	1019.3	-1	NW'W	3	bc	53	85	9	2500	St Cu	3	Cist	4	0
Liverpool (Bidston)	1018.4	-2	WNW	3	bc+	52	75	8	2500	Cu	4	-	4	*
Chester (Shotwick)	1018.0	-3	NW	5	b	56	65	8	4000	Cu	2	A.Cu	3	0
Spurn Head	1017.1	-2	SSE	4	bc	53	65	7	4000	Cu	6	-	6	*
Nottingham	1017.2	-3	W	2	b	60	55	8	4000	Cu	3	-	3	*
Cranwell	1017.8	-3	-	0	b+	59	55	6	4000	St	2	-	2	0
Gorleston	1018.8	-1	SE	2	b	53	75	7	-	-	0	Ci	2	*
Valencia (Cahirciveen)	1021.8	0	NNW	4	c	52	75	8	2500	St Cu	8	-	8	9
Roches Point	1019.9	-1	NNW	2	o	55	75	8	4000	St Cu	10	-	10	*
Pembroke (St. Ann's H.)	1018.9	-1	N'W	4	b	56	55	8	4000	St Cu	3	-	3	*
Ross-on-Wye	1017.3	-3	NNW	2	bc-	61	55	7	-	-	0	A.Cu	6	0
Benson	1016.3	-3	NNE	2	o	63	65	7	-	-	0	ASt	10	0
Andover	1016.6	-3	NE'N	3	o	61	65	7	4000	St Cu	4	Cist	10	0
S. Farnborough	1016.2	-3	ENE	2	mmo	63	55	6	4000	St Cu	10	-	10	0
Lordon (Kew Obsy.)	1017.0	-3	ENE	3	o	61	55	6	2500	St	7	A.St	10	0
Croydon	1017.0	-3	NE'E	3	c	61	55	6	5700	St Cu	4	Cist	8	0
Cleeton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1017.9	-2	ENE	3	o-	56	75	7	2500	St.	7	A.Cu	9	*
Grain	1017.7	-3	ENE	4	o	55	75	8	4000	St Cu	10	-	10	0
Lympne	1016.7	-2	ENE	3	c	59	65	8	-	-	0	Cist	7	0
Scilly (St. Mary's)	1018.0	-1	NNE	4	o	53	70	8	4000	St Cu	10	-	10	*
Falmouth (Pendennis)	1017.0	-1	N	3	mot	55	75	6	2500	Cu	10	-	10	*
Plymouth (Cattewater)	1016.4	-3	S	1	o	57	85	6	1500	St.	10	-	10	0
Portland Bill	1016.5	-3	NNE	1	o	57	92	7	2500	St Cu	10	-	10	*
Southampton (Calshot)	1016.4	-3	SE	1	o+	62	75	7	4000	St Cu	10	-	10	0
Dungeness	1017.4	-1	E	5	bc	56	85	6	-	-	0	Ci Cu	6	*
Jersey	1014.3	-2	N	2	o/r	59	92	7	4000	St Cu	10	-	10	*

Observations at 1800 G.M.T. 9th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1007.8	-2	NNE	5	c/r	42	85	7	4000	Cu Nb	8	-	8	4
Stornoway	1012.6	-1	NNE	4	o/r	46	65	7	800	St	9	-	9	3
Wick	1011.6	+1	NNE	3	bc	48	75	8	4000	Cu	5	-	5	0
Castlebay	1014.7	-1	NNE	3	o	49	65	8	4000	St Cu	2	-	2	3
Nairn	1012.8	*	NNE	4	o	48	55	8	4000	Cu	3	-	3	0
Aberdeen	1013.1	0	NNE	3	c/r	48	65	6	2500	Cu Nb	4	-	4	0
Malin Head	1015.9	-2	NNE	5	bc+	47	85	8	4000	Cu Nb	4	-	4	4
Renfrew	1015.0	-1	NE	4	o	51	55	9	4000	Cu	2	-	2	0
Edinburgh (Inchkeith)	1012.8	-1	NNE	4	o	50	65	8	*	Cu	2	-	2	3
Leuchars	1012.7	0	NNE	4	o	52	55	8	4000	Cu	2	-	2	0
Eskdalemuir	1014.4	-1	NNE	4	o	49	55	8	4000	Cu	6	-	6	0
Tynemouth	1013.9	-2	NNE	3	c	54	65	6	-	-	0	Ac Cu	7	0
Blacksod Point	1018.8	-1	NNE	5	o	52	75	8	-	-	0	ASt	10	4
Donaghadee	1016.6	-1	NNE	2	o	50	75	8	1500	St	5	-	5	2
Birr Castle	1017.8	*	NNE	3	o+	53	65	8	4000	St Cu	9	-	9	0
Holyhead	1016.7	-3	NNE	3	bc+	52	85	8	2500	St Cu	2	Cist	4	0
Liverpool (Bidston)	1016.2	-2	NNE	3	o	52	75	9	-	-	0	Ci	2	0
Chester (Shotwick)	1016.2	-2	NNE	4	o	53	65	8	5700	St Cu	1	Ci	2	*
Spurn Head	1015.1	-2	NNE	3	o	55	65	7	4000	Cu	8	-	8	1
Nottingham	1014.9	-1	NNE	2	o	57	55	8	4000	Cu	2	-	2	0
Cranwell	1015.4	-3	NNE	3	o	55	65	7	2500	Cu	2	-	2	0
Gorleston	1016.3	-1	SE'S	2	o+	50	75	7	-	-	0	ASt	10	0
Valencia (Cahirciveen)	1020.7	-1	NNW	4	bc+	52	75	9	2500	St Cu	6	-	6	3
Roches Point	1017.2	-2	NNW	3	c+	54	85	9	5700	St Cu	7	-	7	2
Pembroke (St. Ann's H.)	1016.6	-2	NNE	4	bc	54	65	8	-	-	0	Cist	4	0
Ross-on-Wye	1015.3	-3	NNE	1	o+	60	55	8	4000	Cu	3	ASt	9	0
Benson	1014.0	-4	-	0	c	58	75	7	4000	St	7	ASt	10	*
Andover	1013.8	-3	NE'N	2	o	53	75	6	4000	St	10	-	10	*
S. Farnborough	1013.9	-3	ENE	2	mmo	58	55	5	4000	St Cu	10	-	10	*
Lordon (Kew Obsy.)	1014.2	-3	E	3	o	58	55	6	2500	St	10	-	10	*
Croydon	1014.7	-3	NE'E	3	o	56	48	7	2500	St Cu	8	ASt	10	*
Cleeton-on-Sea	1013.0	-3	E	3	o	52	75	7	7200	St Cu	10	-	10	0
Shoeburyness	1014.7	-5	ENE	1	o+	53	73	7	2500	St Cu	10	-	10	*
Grain	1014.4	-4	NE	4	o	53	73	8	-	-	0	ASt	10	0
Lympne	1013.9	-3	NE	3	o	51	65	8	6700	Nb	8	ASt	10	*
Scilly (St. Mary's)	1013.6	-3	NE'E	5	o	50	75	7	4000	St Cu	10	-	10	4
Falmouth (Pendennis)	1014.4	-1	N	4	opp	50	85	7	2500	St	10	-	10	0
Plymouth (Cattewater)	1013.6	-4	NNW	2	o	55	75	6	800	Nb	10	-	10	0
Portland Bill	1011.6	-5	NE'N	3	o	54	92	6	450	St	10	-	10	1
Southampton (Calshot)	1013.9	-4	NNE	1	odg	56	75	6	1500	St	10	-	10	0
Dungeness	1014.0	-3	E	4	o	52	85	8	6700	Nb	10	-	10	4
Jersey	1011.8	-2	NE	2	o/r	55	85	7	4000	St Cu	10	-	10	0

LONDON OBSERVATIONS.

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 HOURS ENDED 0900 G.M.T. 9th						YESTERDAY.			TO-DAY.	
Kew	OaOZY	OZY	OyZOY	*	*	42	-	-	0.0	*	*
Croydon } 24 hours ended 0700	OnPC	COZY	OZ	*	*	43	-	Trace	3.8	*	*
Greenwich (Royal Obsy.)	O	O	OpZ	64	48	45	-	Trace	1.6	56	61
City (Bunhill Row)	*	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James' Pk.)	*	*	*	64	50	?	-	-	0.4	56	60
Regent's Pk. (Botanic Gdns.)	*	*	*	*	*	*	*	*	0.2	*	*
Camden Square			*						*	*	
Kensington Palace	O	O	*	63	49	45	-	-	*	61 (18h.)	64
Hampstead Observatory	*	*	*	60	47	44	-	-		*	66

ATMOSPHERIC POLLUTION.
Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T. 8th

South Kensington

Max.	Time.	Min.	Time.
0.3	17-21h. 7th	0.3	1-5h. 8th
0.6	9-11h. 8th		

Kew Observatory

Max.	Time.	Min.	Time.
0.4	4h. 8th	0.0	23-4 24h. 7th
0.9	9h. 8th		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 8th 20h. 45m. to 9th 3h. 15m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	6 30	0 0	-
δ Ursae Minoris	6 30	0.0	-

CODE FOR STATE OF GROUND.
0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2 ins. deep).
4 = Bare ground frozen (but more than 2 ins. deep).
5 = Dew (or wet grass but not wet ground).
6 = Shaving to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7 = Snow (thin layer, often not continuous).
8 = Snow (deep, impeding traffic, usually a continuous layer).
9 = Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.†

Time.	Type.	No. per ½ sec.	Stren.	Direc.
15h.	C_1C_2	8	-	150°
18h.	C_1C_2	7	-	140
01h.	C_1C_2	6	5	180
07h.	C_1C_2	6	-	25

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

9th & 10th May, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
	4.10	11.49	7.25
Yarmouth	4.8	11.49	7.30
	4.21	11.52	7.31
Greenwich	4.19	11.56	7.33
	4.2	12.8	8.14
Wick	4.0	12.8	8.14
	5.0	12.24	8.14
Valencia	4.56	12.34	8.11

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
jp precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

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; i = intermittent; - = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";

Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
rr = continuous moderate rain.
r_or_o = continuous light rain.

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

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

SEA DISTURBANCE.

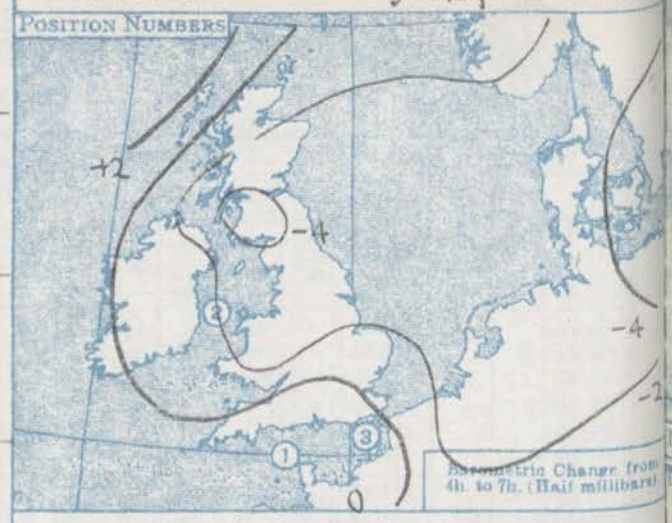
0=no swell	Calm or slight sea.
1=mod. swell	
2=heavy swell	
3=no swell	Moderate sea.
4=mod. swell	
5=heavy swell	
6=rather rough sea.	
7=rough sea.	
8=very rough sea.	
9=mountainous sea.	

† For explanation see Introduction.
* Information for these columns not usually received.
‡ The barometric change is expressed in half millibars.
§ For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h.	13h.-18h.	18h. to 1h.	1h.-7h.	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night 18h.-7h.	MIN. on GRASS	RAINFALL† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. Hours.
Lerwick	cp	bcp	bcp	bc	48	35	•	2	02	2080	<2100	10.8
Stornoway	p	c	bbc	oo	49	37	•	1	3	•	-	9.6
Wick	qp.r	b-bc	bbc	oo	49	34	•	0.3	-	0900	-	•
Castlebay	bcbc	copo	bopcb	bopbc	49	40	•	0.6	1	-	-	12.1
Nairn	cqqbc	qcdq	bcxc	cg	53	32	•	0.2	-	1430	-	9.9
Aberdeen	cp.rh	cpr bc	bc	bbcx	56	36	25	1	-	09.00	-	8.7
Malin Head	bcv	bep.r	coir	coihr	51	39	•	1	2	2080	<2100	7.9
Renfrew	pr.up	cbey	by bx	bcod.	53	36	26	1	trace	0900	-	9.9
Edinburgh (Inchkeith)	bc	bcb	bc	bc	53	39	35	-	-	•	-	7.1
Leuchars	b.bc	b-bc	bc	bbc	59	35	26	•	-	•	-	12.9
Eskdalemuir	op.qbc	cbey	bcy bx	cop.o	53	26	22	1	trace	2080	0630	7.5
Tynemouth	mp.	cm	bbcm	bbcm	58	38	34	trace	-	11.00	-	•
Blacksod Point	b.bc	b-bc	Hr	Hr	54	40	•	-	0.6	-		•
Donaghadee	bc	bcp	bc	bcp	54	41	•	0.2	1	0900	0130	•
Birr Castle	co	cq	co	bc	54	39	35	-	-	•	-	•
Holyhead	o.bcv	bcvqc	bccb	bcc	56	43	35	-	-	-	-	10.9
Liverpool (Bidston)	b.bc	b-bc	bc o		55	43	35	-	-	-	-	14.1
Chester (Shotwick)	b.bc	bccbc	bc	bow	57	36	29	-	-	-	-	12.9
Spurn Head	c	c	b.bc	cq	56	43	•	-	-	-	-	9.7
Nottingham	c	b-bc	b	bbc	62	40	37	-	-	-	-	7.8
Cranwell	c	b-bc	bcm	bcm	62	38	33	-	-	-	-	9.4
Gorleston	bcmb	bcco	bcbcv	ov	54	46	41	-	-	-	-	7.8
Valencia (Cahirciveen)	oc	cbc	bcb	bbccp	55	46	39	-	0.1	-	0430	6.4
Roches Point	bco	oc	bbcc	c	56	42	[illegible]	*	-	-	-	-
Pembroke (St. Ann's H.)	b.bc	b-bc	bbc	c	57	47	•	-	-	-	-	14.0
Ross-on-Wye	bqbc	oybyey	cb	bvbcv	64	43	36	-	-	-	-	7.0
Benson	o	oz	o	oz	64	45	40	-	trace	-	-	•
Andover	oo	oow	oopr	om	61	45	42	-	02	•	2400	0.5
S. Farnborough	o3y	ozy	oomm	omrr	65	43	?	-	04	•	0130	0.5
London (Kew Obsy.)	omoyy	ozy	oryoy	oybcm	62	49	42	-	-	-	-	0.0
Croydon	ompc	cozy	oz	obcz	62	47	43	trace	-	0900	-	3.8
Clacton-on-Sea	o	o	o	ocz	53	47	43	-	-	-	-	0.0
Shoeburyness	oo	bc	oor	orcbc	57	45	44	-	2	-	<2100	2.1
Grain	oo	Oeoo	oor	oroc	56	46	45	-	5	-	2200	2.5
Lympne	cbc	cor	orlm	orrm	59	47	45	trace	9	17.30	<2100	6.6
Scilly (St. Mary's)	co	c	obcb	bc	54	47	•	-	-	-	-	2.6
Falmouth (Pendennis)	om	Ocmp	cbc	bcpc	55	48	•	trace	03	1730	0430	0.0
Plymouth (Cattewater)	om	orm	orm	b	60	47	46	0.5	1	1630	<2100	0.0
Portland Bill	r.d	or	or	opo	58	48	•	1	6	1630	<2100	•
Southampton (Calshot)	oo	ood m	rr	ro	63	49	47	trace	3	-	<2100	3.8
Dungeness	c	oo	tlrrc	cpro	56	48	•	0.2	14	1730	<2100	•
Jersey	opo	opo	otlb	ad.d	60	48	•	0.5	5	0900	<2100	0.1

ISALLOBARS. 9th May 1923



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	8th 1000	Cambria	WNW	4	bc	52	49	8
1	" 1200	Reindeer	NE	4	o	52	51	5
3	9th 0200	Arundel	NE	4	r.s	51	51	7

GENERAL INFERENCE.

Pressure continues high off our Western coasts and winds will be mainly from a point between W. and N. A secondary depression over Northern Scotland will probably move southeastward causing some rain or showers in most parts of the British Isles, with lower temperature generally.

Forecasts for the 24 hours commencing 15 h. G.M.T. Wednesday, 9th May, 1923.

Districts.	Forecast	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind northwesterly, moderate; cloudy, some rain or showers; visibility mainly good; temperature falling.	Cool for a day or two with rain or showers in places.
4. W. Midlands 5. S.W. England 6. South Wales	Wind northwesterly, moderate, fresh at times; cloudy, some showers; visibility good; temperature falling.	
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Wind northerly or northwesterly, moderate; variable sky, some rain or showers; visibility mainly good; temperature falling.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind northerly, strong at times; variable sky, some showers, but considerable bright periods; visibility good; cool.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind NW. fresh or strong; variable sky, some showers, considerable bright periods; visibility good; cool.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0900 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.

SYNOPTIC CHART FOR MORNING OF Wednesday, 9TH MAY, 1923.

Scale - 1:10,000,000

Nautical Miles. 100 0 100 200

Statute Miles. 100 0 100 200

Low Cloud. Nil 10

TEMPERATURE
WEATHER.
Sea

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

EXPLANATION

BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. Direction is shown by shaft flying with the wind. Force, on the scale 0–12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.

TEMPERATURE is given in °F

WEATHER SYMBOLS: ○ clear sky, ◐ sky ¼ clouded; ◑ sky ½ clouded; ◕ sky ¾ clouded; ● overcast sky; ● rain falling; ✱ snow; ✱ sleet; ▲ hail; ≡ fog; ≡° mist; T thunderstorm.

SEA DISTURBANCE: ~~~ Rough, ≈≈≈ High

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

0.	Dense fog.	Objects not visible at	55 yards.
1.	Rather thick fog	" "	220 "
2.	Very bad	" "	550 "
3.	Bad	" "	1,100 "
4.	Very poor	" "	1¼ miles.
5.	Poor	" "	2½ "
6.	Moderate	" "	6 "
7.	Good	" "	12 "
8.	Very good	" "	31 "
9.	Excellent.	Beyond	31 "

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. WEDNESDAY, 9th MAY 1923. No. 129.

Observations at 0100 G.M.T. 9th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1009.5	0	NW	2	bc	37	92	7	4000	Cu Nb	2	AC	4	•
Stornoway	1009.9	-4	W	3	o	•	•	•	•	•	•	•	•	•
Wick	1009.2	-3	SSW	2	c	39	85	8	4000	Cu	1	-	1	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1010.4	-6	N	6	bc	42	97	8	5700	Nb	3	-	3	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh(Inchkeith)	1011.4	-1	WSW	3	b	41	85	8	•	StCu	3	-	3	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1012.5	-1	W	1	b	42	85	6	-	-	0	-	0	•
Blacksod Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1014.5	-1	E	1	b-	46	97	8	-	-	0	-	0	•
Liverpool (Bidston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1012.3	-1	NW	4	b	46	92	7	-	-	0	-	0	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1013.6	-2	NNW	3	c+	42	92	6	2500	StCu	2	Ci St	7	•
Gorleston	1012.9	-1	NNW	1	b-	47	75	8	5700	StCu	3	-	3	•
Valencia (Cahirciveen)	1019.5	-3	NNW	3	bc	50	92	8	•	StCu	5	-	5	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke(St.Ann's H.)	1015.5	-1	NE	3	bc+	47	92	8	4000	StCu	5	-	5	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	•	•	•	•	•	53	•	•	•	•	•	•	•	•
Croydon	1011.9	-2	N	1	0	49	75	6	1500	St	10	-	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1010.6	+1	NE	3	orr	47	97	6	800	Nb	10	-	10	•
Scilly (St. Mary's)	1015.9	0	NNW	4	b	50	92	8	4000	StCu	2	-	2	•
Falmouth (Pendennis)	1014.6	0	N	5	bc-	49	85	7	4000	Cu	6	-	6	•
Plymouth(Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1012.2	0	NE	3	orr	50	92	5	450	St	10	-	10	•
Southampton(Us.shot)	1012.8	+1	NNW	2	orr	51	85	6	1500	Nb	10	-	10	•
Dungeness	1010.3	0	NE	4	c/r	50	97	7	2500	Nb	8	-	8	•
Jersey 7h														
Guernsey 1h														

Observations at 0700 G.M.T. 9th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1009.0	0	NNE	2	bc	41	75	8	4000	Cu	5	-	5	1
Stornoway	1007.6	+2	NE	5	orr	39	92	6	450	Cu Sc	10	-	9	4
Wick	?	-1	NW	2	o	39	97	8	4000	Cu	3	Ci St	9	0
Castlebay	1007.8	-1	NW	4	bc	43	97	7	4000	StCu	5	-	5	•
Nairn	1006.8	•	WNW	1	c+	42	75	8	1500	Sc	8	-	8	•
Aberdeen	1008.2	•	SW	2	bc+	44	85	8	1500	St	5	-	5	0
Malin Head	1009.2	-2	NW	5	ch	40	97	8	5700	Nb	8	-	8	4
Renfrew	1008.1	-4	-	0	o	42	92	6	1500	StCu	10	-	10	1
Edinburgh(Inchkeith)	1008.2	-2	WSW	1	bc	42	85	7	•	StCu	2	AC	5	•
Leuchars	1007.7	-3	WSW	1	bc	43	85	7	5700	StCu	4	Ci St	5	•
Eskdalemuir	1009.3	-5	-	0	o	34	92	7	1500	StCu	10	-	10	•
Tynemouth	1009.6	-2	W	2	bc+	44	85	6	2500	St	3	AC	6	0
Blacksod Point	1013.8	-3	WNW	4	c	44	75	8	?	Cu Nb	6	-	6	4
Donaghadee	1011.0	-1	W	3	bc+	45	85	8	1500	Cu	5	-	5	3
Birr Castle	1013.4	•	W	2	bc	44	85	8	2500	Cu	4	-	4	•
Holyhead	1011.1	-2	W'N	5	c+	47	92	8	2500	StCu	8	-	8	3
Liverpool (Bidston)	1010.1	-2	WSW	3	o+	47	75	8	2500	StCu	8	-	8	3
Chester (Shotwick)	1011.2	-3	SW	4	o+	47	75	7	4000	StCu	8	Ci	9	•
Spurn Head	1010.6	-2	NW	3	bc	46	85	7	-	-	0	AC	4	2
Nottingham	1011.0	-1	WSW	2	b	46	85	6	-	-	0	-	0	•
Cranwell	1011.8	-2	W'N	2	b	45	85	6	-	-	0	-	0	•
Gorleston	1010.9	-1	NW	3	o-	46	86	6	-	-	0	Ci Cu	0	0
Valencia (Cahirciveen)	1017.1	0	NNW	4	bc	47	75	8	2500	StCu	7	Ac	8	3
Roches Point	1013.2	-1	NNW	3	c+	47	92	8	4000	Sc	7	-	7	0
Pembroke(St.Ann's H.)	1014.0	-1	NNW	4	bc	48	75	8	4000	Cu	4	-	4	•
Ross-on-Wye	1012.4	-2	SWS	2	c	49	75	9	-	-	0	Ac	9	•
Benson	1011.8	0	NNW	1	o	46	85	9	×	-	9	-	9	•
Andover	1012.5	0	NW	2	o	47	85	6	4000	St	10	-	10	•
S. Farnborough	1011.7	0	NNW	2	mmo	50	75	5	-	-	10	Ac	10	•
London (Kew Obsy.)	1011.6	0	NW	2	bc	51	85	6	4000	Cu	2	Ci	4	•
Croydon	1011.7	0	NW	1	bc+	51	75	6	-	-	0	Ci Cu	5	•
Clacton-on-Sea	1010.5	-1	NW	2	c ⊕	49	92	6	7200	StCu	4	Ac St	8	2
Shoeburyness	1010.8	-1	NW	2	bc	50	75	7	-	-	0	Ci Cu	4	0
Grain	1010.7	-1	WNW	2	Ci	51	85	7	-	-	0	Ac St	8	•
Lympne	1010.7	0	N	1	o/r	48	92	7	1500	Nb	10	-	10	0
Scilly (St. Mary's)	1015.7	0	NNW	4	c+	50	85	8	4000	StCu	4	Ac	7	2
Falmouth (Pendennis)	1014.0	0	NW	4	bc/r	50	92	7	4000	Cu	6	-	6	3
Plymouth(Cattewater)	1013.3	0	NW	3	b	50	75	7	4000	StCu	6	Cu Ac	6	0
Portland Bill	1012.2	0	NE	3	o/r	51	92	6	2500	St	10	-	10	0
Southampton(Us.shot)	1012.0	-1	NW	3	o/r	49	75	6	5700	StCu	10	Ac St	10	0
Dungeness	1010.8	0	NW	4	o	49	92	7	4000	StCu	10	-	10	0
Jersey 7h	1011.9	0	NNE	3	odd	52	92	6	1500	Nb	10	-	10	0
Guernsey 1h														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 8th May

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night.	Temperature. Max. Day.	Rainfall.† Night 17h.-9h.	Rainfall.† Day 9h.-17h.	Sunshine. Sunrise to 17h.	Sunshine. Sunrise to Sunset.
			°F.	°F.	mm.	mm.	hr.	hr.
Montrose	•	•	38	59	0.3	-	9.8	11.2
Llandudno	bcc	cbc	37	56	-	-	9.4	12.3
Colwyn Bay	bc	bc	36	57	-	-	9.0	12.2
Rhyl	bc	bc	35	55	-	-	11.3	12.9
Southport	byb	bbc	38	56	-	-	11.6	13.5
Blackpool	cbc	c	37	55	-	-	8.3	13.6
Ilkley	bb	bcc	35	59	-	-	8.4	11.2
Harrogate	b	bbco	35	58	-	-	8.5	12.0
Skegness	b	b	42	57	-	-	10.3	6.8
Aberystwyth	cbb	b	46	56	-	-	12.0	8.5
Bath	ocbc	oc	48	64	-	-	1.5	7.1
Leamington Spa	bzc	cebo	43	62	-	-	5.9	2.0
Lowestoft	acb	bcoco	46	54	-	-	7.0	5.7
Felixstowe	o	o	46	53	-	-	0.0	6.4
Southend	o	oco	47	59	1	-	1.8	4.7

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night.	Temperature. Max. Day.	Rainfall.† Night 17h.-9h.	Rainfall.† Day 9h.-17h.	Sunshine. Sunrise to 17h.	Sunshine. Sunrise to Sunset.
			°F.	°F.	mm.	mm.	hr.	hr.
Ilfracombe	oc	co	49	58	-	-	0.7	5.3
Bude	c	c	49	59	-	-	1.1	4.7
Penzance	oc	co	49	55	-	-	0.2	5.7
Paignton	bcco	or	52	61	trace	trace	2.6	6.2
Torquay	cobc	bcod	52	62	-	-	2.9	6.2
Weymouth	c	cod	51	64	-	-	1.4	6.2
Bournemouth	oo	boo	50	57	-	-	2.2	2.7
Portsmouth (S'thsea)	b	o	48	63	3	-	6.3	5.2
Worthing	bc	co	48	63	2	-	5.6	6.4
Brighton	cbcc	bcor	49	66	3	0.2	5.0	6.5
Eastbourne	bc	bcco	50	60	2	-	4.6	7.5
Hastings	cbc	bbcco	49	61	2	-	5.1	7.9
Folkestone	bc	bc	53	60	2	-	6.2	6.9
Tunbridge Wells	b	bcco	47	64	1	-	5.9	3.9
Ramsgate	bcb	bbco	49	55	0.2	-	6.7	7.8
Margate	bcb	bcc	49	58	-	-	5.6	6.5
Deal	acbc	bcco	48	58	3	-	6.2	6.5

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm § For code see page 3. ‡ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION. No. B 22449 THURSDAY 10TH MAY .....1923.

Observations at 1300 G.M.T. 9h

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1010·0	+1	N	3	c	41	65	8	4000	StCu	8	-	8	*
Stornoway	1012·2	+5	NE	5	o/r	43	65	6	800	St	9	-	9	*
Wick	1006·9	+3	NNE	4	c/r	41	92	8	4000	CuNb	8	-	8	*
Castlebay	1012·2	+4	NNW	5	o/PH	44	75	8	1500	CuNb	9	-	9	*
Nairn	*	*	*	*	*	*	*	*						*
Aberdeen	1007·1	0	SE	2	o+	46	75	6	2500	StCu	9	-	9	0
Malin Head	1009·3	+0	NNW	6	cPRr	45	92	8	4000	CuNb	8	-	8	*
Renfrew	1006·3	-2	NW	3	bc	50	65	8	5700	StCu	6	-	6	0
Edinburgh (Inchkeith)	1006·3	-3	NW	3	o/p	43	85	8	-	St	10	-	10	*
Leuchars	1005·8	-2	ESE	2	o/p	43	65	7	2500	CuNb	8	-	8	0
Eskdalemuir	1005·9	-2	NW	1	o/r	45	85	7	2500	StCu	7	CiSt	9	1
Tynemouth	1006·7	-2	SSE	2	or	44	92	6	4000	Nb	9	-	9	*
Blacksod Point														*
Donaghadee	1009·9	0	NNW	3	bc/h	43	75	8	1500	Cu	5	-	5	*
Birr Castle	1012·3	*	NW	2	bc+	47	75	8	4000	Cu	6	-	6	*
Holyhead	1009·8	-2	WNW	4	bc-	50	75	8	2500	Cu	4	-	4	0
Liverpool (Bidston)	1008·2	-2	W	3	bc-	49	65	9	2500	Cu	4	-	4	*
Chester (Shotwick)	1008·9	-2	NNW	5	0	51	55	8	1500	Cu	9	-	9	1
Spurn Head	1007·7	-3	NW	4	o+	50	86	7	-	CuNb	7	ASt	10	*
Birmingham (Edgbaston)	1008·2	-4	WNW	4	o+	53	55	7	5700	CuNb	9	-	9	*
Nottingham	1007·6	-3	NW	3	o+	52	66	7	600	CuNb	10	-	10	*
Cranwell	1008·0	-5	NNW	4	cpRo	54	65	8	2500	StCu	8	-	8	0
Gorleston	1009·3	-1	NNE	2	bc+	55	55	7	4000	Cu	5	-	5	*
Valencia (Cahirciveen)	1017·2	0	?NW	5	cpRo	48	65	8	2500	StCu	8	-	8	0
Roches Point	1013·1	-2	NW	5	c+	50	75	9	4000	CuNb	7	-	7	*
Pembroke (St. Ann's H.)	1012·1	-1	WS	3	bc	50	75	8	4000	Cu	6	-	6	*
Ross-on-Wye	1008·9	-4	NW	4	c	52	65	9	4000	Cu	7	-	7	5
Benson	1008·4	-4	WNW	2	c-	55	55	8	-	Cu	7	-	7	0
Andover	1009·3	-3	W	4	0	55	55	8	4000	StCu	10	-	10	0
S. Farnborough	1008·8	-4	W	2	0	61	55	7	4000	StCu	10	-	10	0
London (Kew Obsy.)	1008·3	-4	SW	3	0	59	55	8	2500	StCu	9	ACu	10	0
Croydon	1009·3	-4	WSW	2	0	57	56	7	4000	StCu	10	-	10	0
Clacton-on-Sea	*	*	WSW	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1008·8	-3	WSW	1	0-	58	65	7	4000	StCu	9	ACu	10	*
Grain	1009·1	-2	-	0	0+	56	63	7	4000	StCu	10	-	10	1
Lympne	1009·1	-3	SW	2	0	54	85	6	1500	StCu	10	-	10	2
Scilly (St. Mary's)	1014·2	-1	NW	6	bc-	54	65	8	4000	Cu	3	ACu	4	*
Falmouth (Pendennis)	1012·8	-4	WNW	5	c+	51	75	8	2500	StCu	8	-	8	*
Plymouth (Cattewater)	1011·8	-2	W	4	0	52	75	8	2500	StCu	9	-	9	0
Portland Bill	1010·6	-3	SW	3	bc-	54	82	7	-	-	0	ACu	6	*
Southampton (Calshot)	1009·3	-3	W	3	o+	60	65	8	4000	StCu	10	-	10	0
Dungeness	1010·0	-2	NE	2	0	54	85	7	-	-	0	ASt	10	*
Jersey	1011·2	0	WNW	3	o/r	54	85	7	2500	StCu	10	-	10	*

Observations at 1800 G.M.T. 9h

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1010·7	+1	N	2	c	39	75	8	4000	Cu	3	ASt	7	1
Stornoway	1011·0	+3	NNE	4	b-	41	65	7	4000	Cu	3	-	3	3
Wick	1010·8	+2	N	4	cph	41	75	8	2500	StCu	9	-	9	3
Castlebay	1015·4	+3	NNW	5	bc/h	40	85	8	1500	Nb	8	-	8	4
Nairn	1011·9	*	NNE	4	c/r	42	75	8	1500	CuNb	8	-	8	*
Aberdeen	1010·0	+4	N	4	o/rs	40	85	7	2500	CuNb	9	-	9	0
Malin Head	1013·4	+3	N	7	bc/r	45	75	9	4000	CuNb	6	-	6	6
Renfrew	1008·9	+4	NNW	2	o/r	42	85	8	2500	St	10	-	10	*
Edinburgh (Inchkeith)	1007·1	+1	NNE	6	or.	39	92	8	-	St	10	-	10	4
Leuchars	1008·3	+4	N	3	o/r	39	92	8	2500	Nb	10	-	10	*
Eskdalemuir	1006·8	+2	NNE	4	or+	38	92	7	1500	Nb	10	-	10	*
Tynemouth	1008·8	+0	W	2	o/p	47	85	6	4000	CuNb	8	-	8	0
Blacksod Point														*
Donaghadee	1009·9	0	N	4	ch(r)	46	75	8	2500	St	7	-	7	4
Birr Castle	1013·1	*	NW	4	bc	45	75	8	4000	CuNb	6	-	6	*
Holyhead	1010·1	+1	NNE	4	bc+	45	92	9	2500	Cu	6	-	6	4
Liverpool (Bidston)	1007·4	-1	WNW	4	bc	45	75	9	4000	Cu	5	-	5	4
Chester (Shotwick)	1007·9	-0	WNW	5	bc-	47	65	8	4000	StCu	5	-	5	*
Spurn Head	1005·1	-2	ESE	4	obl.	47	92	7	2500	CuNb	9	-	9	3
Birmingham (Edgbaston)	1007·1	0	NW	4	bc+	48	65	6	5700	CuNb	3	ACu	5	*
Nottingham	1005·9	-1	NW	4	c	50	65	7	1500	StCu	7	ACu	8	*
Cranwell	1006·2	-2	WSW	3	c+	50	65	8	2500	StCu	8	-	8	*
Gorleston	1006·3	-2	SE	4	c+	50	75	7	2500	Nb	7	-	7	1
Valencia (Cahirciveen)	1018·5	+3	NNW	5	bc-	48	65	8	2500	StCu	6	-	6	4
Roches Point	1014·5	+1	N	5	c+	48	75	8	4000	CuNb	7	-	7	3
Pembroke (St. Ann's H.)	1010·9	-1	WSW	4	bc/p	47	75	8	2500	Nb	6	-	6	3
Ross-on-Wye	1009·2	-1	NWN	3	cpRo	46	75	9	4000	CuNb	6	CuCu	7	*
Benson	1007·0	-1	W	2	bc	51	75	9	-	Cu	6	-	5	*
Andover	1006·8	-2	WSW	3	bc/p	52	65	8	4000	CuNb	4	-	4	*
S. Farnborough	1006·6	-1	WSW	3	c-	53	65	8	4000	Cu	7	-	7	*
London (Kew Obsy.)	1006·1	-3	W	3	c-	55	65	7	4000	StCu	5	ACu	7	*
Croydon	1006·7	-3	NW	3	o/r	51	75	7	4000	StCu	9	-	9	*
Clacton-on-Sea	1006·8	-2	SSE	3	c+	54	75	6	7200	StCu	8	-	8	0
Shoeburyness	1005·6	-4	-	0	bc-	56	75	7	-	-	0	ACu	6	*
Grain	1006·0	-3	-	0	c-	55	65	7	-	-	0	ACu	8	0
Lympne	1006·7	-2	SWW	2	o/r	49	85	6	4000	StCu	10	-	10	*
Scilly (St. Mary's)	1012·9	-1	NWW	5	c+	49	75	7	4000	Cu	4	ACu	7	4
Falmouth (Pendennis)	1011·9	-2	NW	4	bcpR	49	75	8	1500	CuNb	6	-	6	0
Plymouth (Cattewater)	1010·2	-1	WNW	5	c	51	65	8	2500	Cu	7	-	7	0
Portland Bill	1008·6	-3	WSW	4	b-	53	85	7	-	-	0	CuCu	3	3
Southampton (Calshot)	1006·9	-2	WNW	4	c-	54	55	8	2500	StCu	7	-	7	0
Dungeness	1007·1	-3	SW	2	or	51	85	7	-	-	0	ASt	10	2
Jersey	1010·1	-1	WNW	3	b	55	75	7	4000	StCu	3	-	3	0

LONDON OBSERVATIONS.

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 HOURS ENDED 0900 G.M.T. 10th								YESTERDAY.		TO-DAY.
Kew } 24 hours ended 0700 Croydon }	bc	o/p	bcurb	*	*	40	1	tr	5·4	*	*
	oo	o/pcp	bcbcn	*	*	39	0·6	-	3·2	*	*
Greenwich (Royal Obsy.)	o	obc+	bcbo	61	40	35	1	-	2·1	57	74
City (Bunhill Row)	*	*	*	*	*	*	*	*	1·6	*	*
Westminster (St. James' Pk.)	*	*	*	60	41	32	0·4	-	3·7	57	80
Regent's Pk. (Botanic Gdns.)	*	*	*	*	*	*	*	*	4·4	*	*
Camden Square			*							*	
Kensington Palace	oc	o b	*	60	40	37	0·4	-	*	66(18h)	84
Hampstead Observatory	*	*	*	58	37	30	tr	tr	3·9	*	87

ATMOSPHERIC POLLUTION.
Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1000 G.M.T. 9h

South Kensington

Max.	Time	Min.	Time
0·3	14h 11m 9h 0 6h 11m 9h	<0·3	1h 3m 9h

Kew Observatory

Max.	Time.	Min.	Time.
0·5	20h 8h	<0·3	13h 9h
0·4	10h 9h		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 9h 20m 45s p.m. to 10h 3h 45m p.m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	6.30	06·16	44
δ Ursae Minoris	6.30	06·07	63

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Sleeting to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C_1C_2	8	-	170
18h.	C_1C_2	6	-	30
01h.	C_1C_2	6	-	105
07h.	C_1C_2	5	-	175

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

10th 11th MAY, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
	4h 48m	11h 49m	7h 50m
Yarmouth	4h 46m	11h 49m	7h 52m
	4h 19m	11h 56m	7h 33m
Greenwich	4h 17m	11h 56m	7h 35m
	4h 0m	12h 2m	8h 16m
Wick	3h 57m	12h 8m	8h 19m
	4h 58m	12h 37m	8h 16m
Valencia	4h 56m	12h 37m	8h 19m

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
jp precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
z unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

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; i = intermittent; - = "decreasing"; + = "increasing"; b(r) = "hail" or "rain and hail";
Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
RR = continuous moderate rain.
r_0r_0 = continuous light rain.

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

SEA DISTURBANCE.

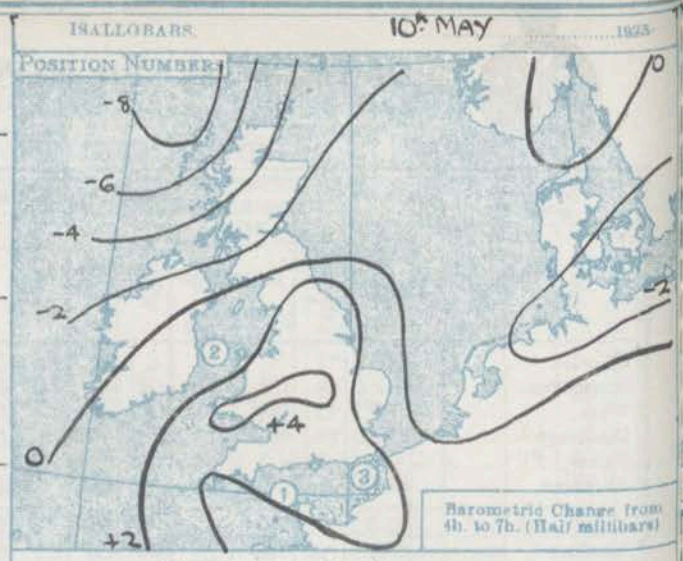
0=no swell } Calm or
1=mod. swell } slight
2=heavy swell } sea.
3=no swell } Moderate
4=mod. swell } sea.
5=heavy swell }
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS

STATIONS.	WEATHER. 7h.-13h. 9h.	13h.-18h. 9h.	18h. 9h. to 1h. 18h.	1h.-7h. 10h.	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 9h. Hours.
Lerwick	c	c	bcps	bcps	43	31	•	1	2	11.00	2100	5.0
Stornoway	p	c	p	p	45	32	•	1	2	-	-	6.5
Wick	orr	oprsh	cspq	cps	43	30	•	2	2	0900	2100	•
Castlebay	bchcq	bbchb	bcsb	bco	44	36	•	1	1	-	-	10.5
Nairn	cdq	ihphq	cqq	bq	43	31	•	6	-	0900	-	1.7
Aberdeen	bcpr	oors	oi c	b-bc	52	33	26	2	1	11.00	2100	5.2
Malin Head	c	PRqv	cqph	ophr	46	37	•	1	1	11.00	2200	8.4
Renfrew	orcp	olphr	bb	bco	53	29	20	2	0.3	0900	2100	4.2
Edinburgh(Inchkeith)	co	rtir	irb	bm	49	35	28	3	2	1330	2100	2.9
Leuchars	c	crhRro	opr b	bx	50	28	23	9	Trace	1330	-	5.3
Eskdalemuir	ooir co	cepor	oiroc	bcbxb	50	29	25	4	3	0800	2100	3.1
Tynemouth	mir	mP	mrrq	rrbcq	48	36	34	7	4	0900	2100	•
Blacksod Point ...							•					•
Donaghadee	ihl bc	bcpqh	bcq	oo	53	38	•	2	0.5	1100	2100	•
Birr Castle	prco	cprhq	ceq	co	50	34	29	2	-	0800	-	•
Holyhead	cp bt	bcbcv	oipq	opqcbv	51	42	41	Trace	0.1	0900	2100	9.3
Liverpool (Bidston) ...	pb bc	bc	p		51	40	39	1	0.4	0800	2200	10.0
Chester (Shotwick) ...	ccopr	oprqc	bcc	cpr	53	41	37	0.6	0.2	0900	2200	6.0
Spurn Head	c	tlrc	cobbc	p	53	41	•	5	1	1330	0430	7.3
Birmingham (Edgbaston)	c	c		p	56	37	34	-	1	-	2100	8.8
Nottingham	cphr	cup	cbc	p	56	38	35	0.4	1	11.00	0330	8.0
Cranwell	bbcc	cp	bbc	orbr	58	35	32	1	2	1230	2100	9.1
Gorleston	omcbc	bcqcq	tlRhbcl	cp	57	43	39	-	3	-	2100	7.5
Valencia (Cahirciveen)	bccp	cphbc	c	cpbc	51	41	37	2	0.4	0800	2100	10.6
Roches Point	cpoq	cpoc	cbw	bo	55	38	34	0.5	Trace	1230	-	4
Pembroke (St.Ann's H.)	c	p	cqphr	cqphr	52	38	•	1	5	1530	2100	9.3
Ross-on-Wye	bcpcvy	cv bcvc	cvobcvb	bcoco	56	36	27	Trace	0.3	1100	0430	7.5
Benson...	oc	bc	co	o	61	36	30	-	-	-	-	•
Andover	omoy	ovcbc	bcbbc	coopo	58	35	33	-	Trace	-	0630	6.6
S. Farnborough ...	oy	cybccq	o	oq	62	36	33	-	-	-	-	7.9
London (Kew Obsy.) ...	bcbcqy	cyporq	cybcuth	bcobcq	61	40	36	1	Trace	1430	2200	5.4
Croydon	oo	oypcP	bcbzm	bom	59	39	34	0.6	-	1530	-	3.2
Clacton-on-Sea ...	cbcy	bcyez	cxp	cbcm	62	38	35	-	0.4	-	2100	5.6
Shoeburyness	c	bcpr	bccopr	ocbc	59	37	34	Trace	1	1630	2100	4.1
Grain	c	opbc	cqco	pbom	57	38	37	0.2	1	1630	2100	5.0
Lympne	om	omq	ocbrm	bcom	55	38	35	0.2	Trace	1530	2100	0.3
Scilly (St. Mary's) ...	bc	bcc	bcq	bcq	54	44	•	-	-	-	-	10.9
Falmouth (Pendennis)	bcoc	cbc	bcpr	rbc	55	43	•	Trace	0.5	1730	0230	8.2
Plymouth (Cattewater)	bo	obbcc	cb opb	bopbbc	55	37	39	-	2	-	2100	9.9
Portland Bill	oc	cbc	bc	bcc	58	44		-	-	-	-	•
Southampton (Calshot)	oo	bcyvcyv	bc b	bbc	60	39	36	-	-	-	-	4.5
Dungeness	oo	oo	pc	c bopq	57	40	•	Trace	0.1	1730	2100	•
Jersey	odqdo	ocb			53	44	•	0.4	0.2	0800	0630	7.2



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea.	Visibility
2	9th 1000	Cambria	WNW	5	b	50	49	8
3	10th 0300	Brighton	N'W	5	ph	46	53	8

GENERAL INFERENCE.

A depression of considerable intensity centred near the Faroe Islands is moving southeastward and a fresh burst of cold northerly air will occur in its rear. Further rain or showers are to be expected with the heaviest falls in the North where snow is probable. There is a risk of sleet even in the South.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Thursday, 10th May, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind mainly N.W. strong in places; cloudy, some showers of rain, hail or sleet; thundery tendency; visibility mainly good; cold.	Cold and unsettled. -----
5. S.W. England 6. South Wales	Wind mainly N.W. fresh or strong; variable sky, some showers; thundery tendency; visibility good; cold.	
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Westerly wind veering N. fresh or strong; cloudy, some rain, snow on high ground; thundery tendency; visibility moderate to good; cold.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Northerly winds, fresh or strong; cloudy, some snow or sleet; visibility moderate; cold.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As for 1 - 4.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0850 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.

SYNOPTIC CHART FOR MORNING OF THURSDAY, 10TH MAY, 1923

Scale - 1:10,000,000

Nautical Miles. 100 0 100 200

Statute Miles. 100 0 100 200

HIGH 27 34 Fine

1016 Bar. 10 34 O'cast.

1014 15 34 Snow

1012 42 34 Rising O'cast.

1010

1008

Bar. LOW Falling 21 41 Rain

998

1000

1002

1004

1006 Briskly 15 40 Showers

1008

1010

1012

1014

1016

1018

1020

10 37 Fine

39 10 O'cast.

21 42 Showers

10 38 Fine

Barometer

39 2 Fair

44 27 Fine

44 10 Fair

27 42 Showers

45 Fine 27

HIGH

48 5 Fine

Slowly

10 45 O'cast.

Rising

5 44 Cloudy

21 40 O'cast.

43 2 Cloudy

5 45 O'cast.

46 21 Showers

5 50 Cloudy

15 52 Showers

15 37 Fair

0 38 Fair

5 39 Fine

Bar. LOW 46 5 Fine

Falling H. 5 45 O'cast.

1002

1000

Slowly

LOW

5 54 O'cast.

52 27 O'cast.

Low Cloud.

TEMPERATURE WEATHER, SEA

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

EXPLANATION

BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. Direction is shown by arrows flying with the wind.

Force, on the scale 0—12, is indicated by the number of feathers.

Mean velocity is shown in miles per hour by figures in small circles

TEMPERATURE is given in ° F.

WEATHER SYMBOLS: ○ clear sky, ◔ sky ¼ clouded; ◑ sky ½ clouded; ◕ sky ¾ clouded; ● overcast sky; ● rain falling; ✱ snow; * sleet; ▲ hail; ≡ fog; =° mist; T thunder R thunderstorm.

SEA DISTURBANCE: ~~~ Rough, ≈≈≈ High

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

0. Dense fog. Objects not visible at	55	yards
1. Rather thick fog " "	220	"
2. Very bad " "	550	"
3. Bad " "	1,100	"
4. Very poor " "	1¼	miles.
5. Poor " "	2½	"
6. Moderate " "	6	"
7. Good " "	12	"
8. Very good " "	31	"
9. Excellent. " beyond	31	"

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.....THURSDAY, 10th MAY.....1923. No. 130...

STATIONS.	Observations at 0100 G.M.T....10..... Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.‡ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Cloud. Sea. 0-9	Observations at 0700 G.M.T....10..... Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.‡ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Cloud. Sea. 0-9
Lerwick	1009.3	-2	NW	1	bcfs	32	85	8	4000	Cu Nb	2	AC	4	*	1006.9	-3	-	0	bc/sh	38	75	8	-	-	0	Ci Cu	6	0
Stornoway	1014.3	0	N	3	ps	*	*	*	*	*	*	*	*	*	1005.6	-9	S	4	o/pr	40	85	6	450	St	10	-	10	2
Wick	1011.0	+1	W	1	bc	31	97	8	2500	Cu Nb	6	-	6	*	1007.1	-5	W	1	bc-	34	89	8	1500	Cu Nb	3	Ci	6	0
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1009.0	-5	W	4	o	44	75	8	1500	St	10	-	10	4
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1008.0	*	WNW	2	bc-	39	75	8	1500	Cu	5	-	5	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1009.1	-2	NW	3	b	37	75	8	-	-	0	-	0	0
Malin Head	1015.9	0	NW	3	bcph	40	85	9	5700	Cu Nb	4	-	4	*	1012.5	-3	WNW	5	o/pt	42	85	8	4000	Nb	9	-	9	4
Renfrew	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1011.9	-2	W	3	o	39	85	8	7200	St Cu	3	Ci	9	*
Edinburgh (Inchkeith)	1012.7	+3	N	2	b/r	37	75	9	-	-	0	AC	1	*	1011.2	-2	W	3	mb-	37	75	7	-	-	0	Ci	2	2
Leuchars	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1010.2	-2	WNW	2	b	38	75	8	-	-	0	Ci St	3	*
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1011.9	-1	W NW	1	b	37	65	8	-	-	0	Ci St	2	*
Tynemouth	1007.4	+1	N	4	orr	40	97	6	4000	Nb	10	-	10	*	1010.1	+2	NW	3	b/r	38	86	7	4000	Cu Nb	2	-	2	2
Blacksod Point ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1014.7	0	NW	3	bc-	39	85	8	1500	St	4	-	4	0
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1013.0	*	NW	1	bc	39	92	8	4000	St Cu	6	-	6	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1013.9	+1	N'E	6	b-	44	75	9	2500	Cu	3	-	3	6
Holyhead	1010.9	+3	NNE	7	o/r	44	85	8	1500	St Cu	9	-	9	*	1012.4	+2	NW	4	bc+	42	65	8	2500	Cu	5	-	5	5
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1012.1	+3	NW	5	bc	43	65	8	4000	St Cu	6	-	6	*
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*														
Spurn Head	1004.6	+1	NW	5	bc	44	92	7	4000	Cu	5	-	5	*	1006.8	+2	N	7	o/p	44	92	8	4000	Nb	10	-	10	4
Birmingham (Edgbaston)															1010.6	+4	NNW	6	o/r	38	85	5	2500	Nb	10	-	10	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1009.0	+5	N	5	o	40	85	6	800	Nb	8	Cu St	10	*
Cranwell	1006.3	0	NNW	3	b+	37	97	6	2500	St Cu	3	-	3	*	1008.3	+3	N	5	o/p	39	97	7	1500	Nb	10	-	10	*
Gorleston	1004.9	-1	NNW	2	b/l	44	97	7	4000	St	3	-	3	*	1005.6	+1	NW'W	1	c-	43	92	7	4000	Cu	8	-	8	1
Valencia (Cahirciveen)	1022.4	+2	NW'N	2	c	46	92	8	*	St Cu	7	-	7	*	1021.3	0	N'W	3	bc-	44	75	8	2500	St Cu	6	-	6	4
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1018.8	+1	WNW	4	o	41	72	8	4000	St Cu	10	-	10	0
Pembroke (St. Ann's H.)	1012.1	+1	NNW	6	b/j/p	41	92	8	2500	Nb	6	-	6	*	1015.7	+4	NNW	6	b/j/p	42	75	8	2500	Nb	6	-	6	4
Ross-on-Wye'	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1011.6	+3	N'W	4	o	41	75	9	2500	Nb	10	-	10	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1008.2	+3	NW	4	o	40	92	6	-	St	10	-	10	*
Andover	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1008.5	+2	NW'N	4	orr	40	92	8	1500	Nb	8	St	10	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1008.1	+2	NW'N	3	o	41	85	6	4000	St Cu	8	St	10	*
London (Kew Obsy.) ...	*	*	*	*	*	43	*	*	*	*	*	*	*	*	1007.6	+3	NW	2	c+	44	75	6	2500	St Cu	8	-	8	*
Croydon	1006.6	0	NNW	2	b-	40	92	fg	-	-	0	-	0	*	1007.7	+2	NW	3	o+	41	85	6	1500	St	10	-	10	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1005.2	+1	NW	4	bc-	41	92	6	4000	Cu	4	Cu	5	0
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1003.6	+1	NNW	3	bc	43	85	7	2500	Cu	6	-	6	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1006.2	0	NW	4	o-	42	85	6	2500	St Cu	8	Cu	9	0
Lympne	1005.4	0	NNW	3	b/r	41	92	7	-	-	0	-	0	*	1005.6	+1	NNW	4	o	42	85	6	4500	St	8	Cu	9	*
Scilly (St. Mary's) ...	1014.9	+2	NW	6	b	46	75	8	4000	Cu Nb	2	-	2	*	1017.2	+3	NNW	6	b	45	65	8	4000	Cu	3	-	3	6
Falmouth (Pendennis)	1011.8	+3	NNW	5	bcr	45	92	7	4000	Cu Nb	6	-	6	*	1016.8	+1	N	5	b/f	44	65	8	4000	Cu	10	-	10	0
Plymouth (Cattewater)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1015.3	+3	N	6	bc	45	75	8	2500	St Cu	4	-	4	0
Portland Bill	1008.3	0	NW	5	b-	50	92	7	-	-	0	CuCu	2	*	1009.2	+2	NNW	6	c+	48	92	7	1500	Cu Nb	7	-	7	5
Southampton (Ca.shot)	1007.2	0	NNW	4	b	45	75	8	4000	St Cu	2	-	2	*	1009.2	+2	NNW	6	o+	44	86	7	2500	St Cu	10	-	10	3
Dungeness	1004.5	-2	N	3	bc/r	45	92	8	?	Cu Nb	6	-	6	*	1005.4	+3	N	5	bc+	45	85	8	5700	Cu	5	-	5	4
Jersey 7h }															1011.0	+1	WNW	3	o/r	45	75	7	2500	St Cu	10	-	10	3
Guernsey 1h }																												

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR...9h.....

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 8h-9h. °F.	Temperature. Max. Day. 9h. °F.	Rainfall.† Night 17h.-9h. 8h-9h. mm.	Rainfall.† Day 9h.-17h. 9h. mm.	Sunshine. Sunrise to 17h. 9h. hr.	Sunshine. Sunrise to Sunset. 8h. hr.
Montrose	*	*	35	49	1	3	6.3	10.3
Llandudno	cbp	cpbc	43	52	Trace	1	6.2	11.3
Colwyn Bay ...	cp	pct	42	52	-	1	7.5	11.7
Rhyl...	bcp	bc	40	51	0.4	1	7.3	13.7
Southport	bcpc	cbbc	44	52	-	-	8.7	13.5
Blackpool	pcb	?	44	53	0.2	-	7.0	9.8
Ilkley	bcph	phcbb	33	60	-	3	9.4	9.0
Harrogate	p	b	34	52	-	1	7.2	9.7
Skegness	b	bcqrc	41	57	-	0.1	7.4	11.0
Aberystwyth ...	obc	b	42	52	-	1	8.0	14.2
Bath	cbco	cobcb	48	58	-	-	7.8	1.5
Leamington Spa ...	bc	cbcrc	48	57	-	1	7.2	5.9
Lowestoft	bbccb	bbcc	46	55	-	-	8.3	7.0
Felixstowe	bco	cg	46	61	-	-	8.2	0.0
Southend	oc	o	45	61	2	-	2.5	1.8

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 8h-9h. °F.	Temperature. Max. Day. 9h. °F.	Rainfall.† Night 17h.-9h. 8h-9h. mm.	Rainfall.† Day 9h.-17h. 9h. mm.	Sunshine. Sunrise to 17h. 9h. hr.	Sunshine. Sunrise to Sunset. 8h. hr.
Ilfracombe	bbc	bcc	45	52	-	-	3.3	1.3
Bude	ccbcc	bcbc	42	54	-	-	8.1	1.1
Penzance	bc	bcp	48	57	0.1	Trace	8.1	0.2
Paignton	obc	bc	48	60	1	-	6.2	2.8
Torquay	cobc	bcpb	48	60	1	-	5.5	2.9
Weymouth	oc	c	46	62	4	-	3.5	1.4
Bournemouth ...	oo	bc	45	59	5	-	3.5	2.2
Portsmouth (S'thsea)	obc	bco	49	59	4	-	2.7	6.3
Worthing	oc	oc	47	57	7	-	0.7	5.6
Brighton	o	bcub	48	57	10	-	0.5	5.0
Eastbourne	o	o	47	55	12	-	0.0	4.6
Hastings	o	oco	46	56	10	-	0.6	5.1
Folkestone	o	o	47	57	10	Trace	0.6	6.2
Tunbridge Wells ...	oc	o	46	57	4	-	0.8	5.9
Ramsgate	bcbrc	bcco	50	57	5	-	2.8	6.7
Margate	cbc	oco	48	57	5	-	2.0	5.6
Deal	cc	co	48	57	7	2	2.1	6.2

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. ‡ For code see page 8. ‖ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B22450 FRIDAY, 11th MAY 1923.

STATIONS.	Observations at 1300 G.M.T. 10th: Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.	Observations at 1800 G.M.T. 10th: Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1002.6	-4	SSE	1	cpSo	40	75	7	4000	CuNb	6	A.St	8	•	1000.1	-3	SE	4	ojp	40	65	7	4000	CuNb	4	A.St	9	3
Stornoway	930.2	-14	NW	4	c/r	49	75	6	4000	Cu	7	-	7	•	986.9	-5	NW	2	cPH	43	85	6	4000	Nb	7	-	7	1
Wick	936.7	-11	SSW	6	orSS	36	37	7	2500	Nb	10	-	10	•	988.3	-6	SSE	6	oSS	39	97	7	2500	Nb	10	-	10	6
Castlebay	995.2	-13	SW	5	oPR	47	92	7	800	Nb	10	-	10	•	988.1	-11	WNW	5	oPR	44	92	7	1500	Nb	10	-	10	6
Nairn	*	*	*	*	*	*	*	*						•	9879	*	-	0	bc/r	44	85	8	4000	Cu	6	-	6	•
Aberdeen	1001.4	-9	S	4	0	43	65	7	1500	St.	2	A.St	10	0	985.5	-14	SW	4	o/o	41	85	6	1500	Nb	10	-	10	0
Malin Head	1002.4	-12	WSW	7	oDD	45	97	6	4000	Nb	10	-	10	•	996.0	-4	WNW	7	c/r	47	75	7	4000	CuNb	7	-	7	6
Renfrew	1003.6	-11	WSW	4	orr	43	85	6	1500	Nb	10	-	10	2	9939	-10	W	4	o/r	40	92	7	800	Nb	9	-	9	•
Edinburgh(Inchkeith)	1004.3	-9	SW	4	orr	41	85	7	*	St.	3	Cist	10	•	989.5	-20	WSW	6	bc	42	85	8	-	St	4	-	4	5
Leuchars	1003.1	-8	SW	4	orr	40	85	6	1500	Nb	10	-	10	1	9895	-15	SSW	6	c/r	43	92	8	800	Nb	6	ACu	8	•
Eskdalemuir	1006.4	-6	WSW	5	oRR	39	85	6	1500	Nb	10	-	10	1	9941	-17	SSW	7	o/r	40	92	6	800	Nb	10	-	10	•
Tynemouth	1007.5	-3	W	3	c+	47	65	7	4000	StCu	10	-	10	•	990.0	-6	SW	4	o	44	85	6	4000	Cu	10	-	10	1
Blacksod Point														•														
Donaghadee	1008.4	-7	WSW	4	c+	48	75	8	2500	Cu	7	-	7	•	998.3	-9	WSW	4	cr	47	92	8	800	St	8	-	8	4
Birr Castle	1013.4	*	NW	3	o+	49	75	8	4000	St.Cu	9	-	9	•	10048	*	WSW	4	o/r	48	97	6	800	Nb	10	-	10	•
Holyhead	1011.5	-4	WSW	5	c+	49	75	8	2500	Cu	3	A.Cu	5	0	10037	-9	SW	6	oSS	47	92	7	800	Nb	10	-	10	6
Liverpool (Bidston)	1010.6	-3	W	5	bc	46	65	7	2500	StCu	5	-	5	•	10026	-10	SW	5	o/r	46	75	7	1500	CuNb	10	-	10	5
Chester (Shotwick)	1011.2	-3	WNW	5	c	50	55	8	4000	StCu	8	-	8	1	10047	-8	SW	5	o/o	46	75	6	1500	St	10	-	10	•
Spurn Head	1008.6	+2	N	4	bcpo	48	75	8	2500	CuNb	6	-	6	•	10043	-4	SW	4	o	48	65	7	-	-	0	A.St	10	3
Birmingham (Edgbaston)	1011.1	+1	NW	5	bc+	47	45	8	5700	Cu	5	-	5	*	10079	-4	W	5	ojp	46	65	8	4000	CuNb	5	A.St	10	*
Nottingham	1009.1	-2	NW	3	c	50	45	7	1500	CuNb	7	-	7	•	10053	-8	SW	4	o	47	35	7	2500	Nb	10	-	10	*
Cranwell	1010.0	0	NNW	4	c-	50	65	7	2500	Cu	7	-	7	1	10061	-6	WSW	4	o3	47	65	8	2500	StCu	5	CiSt	10	•
Gorleston	1007.2	+2	NW	5	cHL	48	75	7	4000	Cu	7	-	7	•	10079	0	NEN	1	b-	47	75	7	4000	Cu	2	-	2	0
Valencia (Cahirciveen)	1018.6	-4	WNW	5	c+	49	65	9	2500	StCu	8	-	8	0	10129	-7	WIS	7	orr	49	92	6	800	St	10	-	10	6
Roches Point	1015.9	-7	WNW	4	o	51	75	8	4000	CuNb	8	-	8	•	10149	-7	W	4	orr	48	97	6	2500	NB	10	-	10	3
Pembroke(St.Ann's H.)	1015.8	-2	WIS	5	c+	46	75	8	4000	StCu	8	-	8	•	10106	-5	SWIN	6	c	48	75	8	4000	StCu	7	-	7	4
Ross-on-Wye	1012.0	-1	NNW	3	bc	50	45	9	4000	StCu	4	-	4	0	10088	-5	WSW	3	c	47	65	9	2500	Nb	3	CiSt	8	•
Penson	1010.7	+1	NW	4	c-	50	55	7	-	Cu	7	-	7	0	10089	-4	W	4	bc	45	55	9	-	Cu	5	-	5	•
Andover	1011.1	+1	NNW	5	c-	49	65	8	2500	StCu	7	-	7	1	10098	-2	W	5	c	47	65	8	4000	StCu	7	-	7	•
S. Farnborough	1010.7	+2	W'N	3	mno	47	75	6	2500	StCu	9	-	9	1	10090	-2	W	2	c-	50	55	8	2500	Cu	6	Ci	7	•
London (Kew Obsy.)	1010.2	+2	NNW	4	oph	46	65	8	2500	CuNb	10	-	10	1	10030	-2	WIS	3	bc	52	45	8	4000	Cu	4	Ci	5	•
Croydon	1010.0	+1	NW'N	3	c/r	47	75	6	1500	StCu	8	-	8	1	10093	-1	W	3	bc/r	49	55	7	4000	Cu	3	Ci	5	•
Cleeton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	•	10082	0	NW	3	bc	49	65	7	4000	Cu	5	-	5	0
Shoeburyness	1008.3	+3	NW	4	cjp	51	75	8	4000	CuNb	8	-	8	*	10083	0	SW	1	c-	49	65	7	4000	StCu	5	ACu	7	•
Grain	1008.9	+3	NNW	5	oPR	48	85	8	1500	CuNb	10	-	10	1	10088	-1	-	0	c	48	75	7	2500	StCu	5	ACu	7	•
Lympne	1008.5	+2	NW	5	o/r	47	92	7	1500	Cu	9	-	9	1	10092	+0	NW	2	cjp	46	85	8	1500	Nb	8	-	8	0
Scilly (St. Mary's)	1013.3	0	NW	5	b	51	65	8	4000	Cu	3	-	3	•	10164	-4	WNW	6	c-	49	75	8	4000	StCu	7	-	7	6
Falmouth (Pendennis)	1017.4	+1	NNW	4	c	49	55	8	4000	Cu	8	-	8	•	10157	-2	W	4	c	49	65	8	4000	Cu	8	-	8	0
Plymouth(Cattewater)	1015.8	+2	NW	6	bc	47	55	8	4000	StCu	6	-	6	0	10137	-2	WIN	6	o	47	75	9	4000	StCu	10	-	10	0
Portland Bill	1012.2	+2	NNW	6	bc-	48	92	7	800	Cu	5	-	5	•	10122	0	NNW	6	b-	47	85	7	-	-	0	CuCu	2	4
Southampton(Calshot)	1011.8	+2	NW	5	o	49	55	8	2500	StCu	10	-	10	0	10107	-2	WNW	4	b-	49	55	8	2500	StCu	3	-	3	3
Dungeness	1008.1	0	N	5	odo	49	92	8	4000	Nb	10	-	10	•	10092	+3	-	0	bc/r	48	75	8	-	-	0	ACu	5	3
Jersey	1014.0	+1	WNW	4	bc/r	49	65	8	4000	StCu	4	-	4	•	10151	0	WNW	4	b/r	50	55	8	4000	StCu	3	-	3	3

LONDON OBSERVATIONS

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 HOURS ENDED 0900 G.M.T. 11th								YESTERDAY.		TO-DAY.
Kew } 24 hours ended 0700 Croydon }	amiltb Amper	o/p bc/r o/p bc/r	bc/r bc/r	• •	• •	39 36	Tr 0.1	2 3	5.8 3.5	• •	• •
Greenwich (Royal Obsy.)	0	obc	bcobc	54	41	36	-	3	4.4	54	61
City (Bunhill Row)	•	•	•	•	•	•	•	•	3.1	•	•
Westminster (St. James' Pk.)	•	•	•	55	42	40	2.5	•	4.9	53	64
Regent's Pk. (Botanic Gdns.)	•	•	•	•	•	•	•	•	4.0	•	•
Camden Square	cco	cbc	•	53	42	40	-	3	•	•	63
Kensington Palace	0	obc	•	53	43	39	-	3	•	46(18h)	62
Hampstead Observatory	•	•	•	51	39	35	Tr	3	4.6	•	64

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1800 G.M.T. 10th

South Kensington

Max.	Time.	Min.	Time.
0.3	17-21h	0.3	1h 10m
0.3	3-15h16m		

Kew Observatory

Max.	Time.	Min.	Time.
0.3	21h. 9m	0.3	12h10m
0.4	4-6h10m		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 10th 20m h[illegible] m. to 11th 03m h[illegible] m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	06 30	00 56	14
δ Ursae Minoris	06 30	00 19	5

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 1 sec.	Stren.	Direc.
18h.	C	5	-	130°
18h.	C_1C_2	6	-	85°
01h.	C_1C_2	7	-	65°
07h.	C_1C_2	6	-	25°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

11th-12th MAY, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4.6 / 4.4	11.49 / 11.49	7.32 / 7.34
Greenwich	4.17 / 4.15	11.56 / 11.56	7.35 / 7.37
Wick	3.57 / 3.54	12.8 / 12.8	8.19 / 8.22
Valencia	4.56 / 4.54	12.37 / 12.37	8.18 / 8.20

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
ip precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
z unusual visibility. y dry air.
z dust haze: the turbid atmosphere of dry weather.

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; j = intermittent; - = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";

Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
rr = continuous moderate rain.
r_0r_0 = continuous light rain.

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

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

SEA DISTURBANCE.

0=no swell	Calm or slight sea.
1=mod. swell	
2=heavy swell	
3=no swell	Moderate sea.
4=mod. swell	
5=heavy swell	
6=rather rough sea.	
7=rough sea.	
8=very rough sea.	
9=mountainous sea.	

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 5.

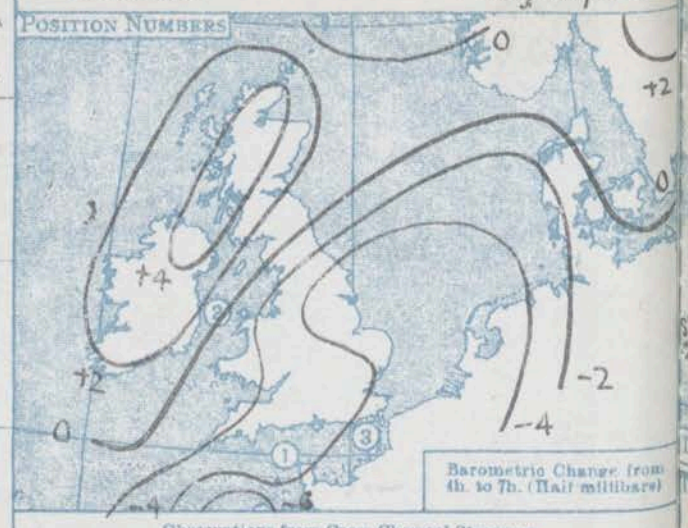
SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 10th	WEATHER. 13h.-18h. 10th	WEATHER. 18h. 10th to 1h. 11th	WEATHER. 1h.-7h. 11th	TEMPERATURE. MAX. Day. 7h.-13h.	TEMPERATURE. MIN. Night. 18h.-7h.	TEMPERATURE. MIN. on GRASS	RAINFALL. Day. 7h.-18h. mm.	RAINFALL. Night. 18h.-7h. mm.	RAINFALL. Precipitation began.	RAINFALL. Precipitation began.	Hours.
Lerwick	cpS	cps	cph	bc	43	35	•	0·2	~	<0800	~	3·6
Stornoway	r-d	p	p	cphr	49	36	•	7	3	~	~	4·7
Wick	orsrs	orrro	o KRq	KRH	40	37	•	5	7	0900	<2100	•
Castlebay	orrop	opcop	opcpc	cbc	49	40	•	4	1	~	~	2·4
Nairn	bccq	ciKq	ciKq	qiroq	45	37	•	2	5	1430	2200	3·4
Aberdeen	bcco	irshnicpi rob		co	45	33	27	2	1	1330	<2100	5·5
Malin Head	PR dd	orrcqq	PRqq	PRqq	50	40	•	4	4	<0800	<2100	2·3
Renfrew	oqprs	RROC	opR q	opRR	48	33	33	9	1	11.00	<2100	1·2
Edinburgh(Inchkeith)	bccors	p	bcco	pc	44	37	35	0·1	0·2	12.30	2400	6·6
Leuchars	bcor.	orrqc	corrr	orbbc	46	35	27	2	5	12.30	2200	6·4
Eskdalemuir	bccoop	orr	opr	oroc	45	34	32	11	8	11·00	<2100	6·1
Tynemouth	bc	omq	oirm	irrm	48	37	35	-	2	~	<2100	•
Blacksod Point ...							•					•
Donaghadee	cq	oqr	bcqp	oqp	49	40	•	2	2	13.30	<2100	•
Birr Castle	prco	corr	orrco	co	51	40	37	3	1	0300	<2100	•
Holyhead	bcrc	corrrq	oirbq	bqroq	50	42	40	1	2	17.30	<2100	5·3
Liverpool (Bidston)...	bbc	p	opq		49	39	38	0·3	5	16.30	<2100	8·7
Chester (Shotwick) ...	oprc	cco	orrm	opRq	51	41	38	Trace	5	12.30	<2100	8·3
Spurn Head	p	c	r	p	48	40	•	1	1	<0800	0130	6·3
Birmingham (Edgbaston)	bbc	c		p	56	39	35	0·3	1	<0800	2400	6·5
Nottingham	c	co	oro	c	50	39	35	~	1	~	<2100	6·2
Cranwell	opre	c	opro	pro	51	39	34	0·2	1	<0800	2200	6·9
Gorleston	Rrog	cqbc	or	rbcbq	50	40	38	2	3	0900	2400	7·8
Valencia (Cahirciveen)	bcc	or	or	opc	51	41	39	2	5	16·30	<2100	5·4
Roches Point	Opoc	coporm	rro	oc	53	42	x	1	4	1100	<2100	
Pembroke(St.Ann's H.)	cqp	cq	qp	c	48	45	•	0·2	2	<0800	<2100	9·2
Ross-on-Wye	cyroboy	cvybcyc	opqor	cbqc	51	41	36	~	1	~	<2100	6·2
Benson...	oroc	bc	cro	orbcb	53	40	32	0·3	0·5	~	0130	•
Andover	orqoc	cbcc	cbcco	oPRbcq	52	40	37	Trace	1	<0800	0230	6·3
S. Farnborough ...	orro	qcyy	cbc	prbc	54	40	37	0·4	2	0900	2200	5·9
London (Kew Obsy.)...	omoirqh	qobcy	bcbcor	orcorbc	53	44	39	Trace	2	<0800	2400	5·8
Croydon	ompcq	qrbcy	omrrq	orqroc	51	41	36	0·1	3	0900	2400	3·4
Clacton-on-Sea ...	bcrcpo	ocbc	bc	bcobbc	51	43	36	0·5	2	<0800	0230	5·4
Shoeburyness	bcpoqp	oubc	cbc	bcorbc	52	42	31	0·2	1	1100	~	5·0
Grain	omip	orhqc	cbcbb	borc	50	40	33	2	1	1100	0230	4·1
Lympne	ompr	borhq	corrb	orrrm	49	38	32	1	3	1100	2400	4·0
Scilly (St. Mary's) ...	bcq	bccq	orrq	bcq	52	43	•	~	8	~	0130	10·0
Falmouth (Pendennis)	bc	bc	bcor	bcp	50	43	•	~	7	~	0330	12·0
Plymouth(Cattewater)	cbqqvy	bcqqy	oqr	oqrrb	49	45	41	~	6	~	2400	11·1
Portland Bill	c	cbc	bcbor	orrc	52	44	•	~	1	~	2400	•
Southampton(Calshot)	oqmo	c	corr	rrrpc	53	44	42	~	1	~	2400	7·4
Dungeness	opr	rrrh	oq	r	52	44	•	2	5	<0800	0130	•
Jersey	oqrhb	bqbh	b	bqqrs	52	45	•	3	10	0900	0230	4·5

ISALLOBARS.

May 11th, 1923.

POSITION NUMBERS



Barometric Change from 4h. to 7h. (Half millibars)

Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	10th 1000	Cumbria	NW	6	OV	45	48	9
1	10th 1700	Reindeer	NNW	4	PR	49	51	7
3	11th 0200	Arundel	WSW	6	R	46	50	4

GENERAL INFERENCE.

The depression which was over Northern Scotland last evening is now centred near Berwick and moving slowly southeastward. Wind over the British Isles will be mainly between N.W. and N.E with low temperature during the next day or two. Showers of rain or hail are probable, with some sleet or snow in the North, but there will be considerable bright periods.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Friday, 11th May, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Westerly wind veering N.W., fresh or strong; variable sky some showers of rain or hail, considerable bright intervals; visibility good; cold.	Becoming fairer, but temperature continuing low.
5. S.W. England 6. South Wales	Wind N.W. strong to a gale; variable sky, some rain or hail showers; visibility good; cold.	-----
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind N.W. to N. strong to a gale; cloudy, showers of hail or sleet; visibility good; cold.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Northerly wind, strong to a gale; variable sky, showers of rain hail or sleet; visibility good; cold.	North cone hoisted all coasts 1415 GMT 10/5/23.
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind N. or N.E. strong to a gale, moderating; variable sky, snow or sleet showers; visibility mainly good; cold.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind N.W. to N. strong to gale; variable sky, showers of rain, hail or sleet; visibility good; cold.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0855 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.

SYNOPTIC CHART FOR MORNING OF FRIDAY, MAY 11, 1923.

Scale - 1:10,000,000

Nautical Miles

Low Cloud.

TEMPERATURE
WEATHER,
SEA

HIGH
"HOMERIC"
10 52 Air
52 Sea
O'cast

HIGH
2 32 Fair
35 32 Fine

1022 1020 1018 1016 1014 1012 1010 1008 1006 1004 1002 1000 998 996 994 992 990 988 986 984

15 36 O'cast
42 28 Snow
Barometer
steady 7h. 10m.
10 34 O'cast
Barometer
Rising
Barometer
Falling
Barometer
Falling slowly
Bar.

43 5 Cloudy
42 10 Fair
39 5 Fair
Steady
39 21 Fair
13h 10m
40 5 Sleet showers
18h 10m
LOW
43 42 Fair
40 21 O'cast
5 38 Rain
45 42 O'cast
44 15 Cloudy
45 15 Fine
41 35 Rain
45 28 O'cast
46 10 Fair
41 28 Rain
47 28 Heavy showers
48 15 Rain
45 21 Showers
48 28 Rain
48 10 Showers
45 2 Fine
45 19 Cloudy
45 5 O'cast
43 5 Cloudy
41 5 Cloudy
43 2 Fine
LOW
2 54 Fair
Falling slowly

1024 1022 1020 1018 1016 1014 1012

EXPLANATION

BAROMETER. Isobars are drawn for intervals of millibars.
WIND. Direction is shown as the wind flies, with the wind.
Force, on the scale 0—12, is indicated by the number of feathers.
Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in ° F
WEATHER SYMBOLS: ○ clear sky; ◔ sky ¼ clouded; ◑ sky ½ clouded; ◕ sky ¾ clouded; ● overcast sky; • rain falling; ✱ snow; ✱ sleet; ▲ hail; ≡ fog; =° mist; ⊤ thunder; ⊤ thunderstorm.
SEA DISTURBANCE: ~~~ Rough, ≈≈≈ High.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

0. Dense fog.	Objects not visible at	55	yards
1. Rather thick fog	"	220	"
2. Very bad	"	550	"
3. Bad	"	1,100	"
4. Very poor	"	1¼	miles.
5. Poor	"	2½	"
6. Moderate	"	6½	"
7. Good	"	13	"
8. Very good	"	31	"
9. Excellent.	"	beyond 31	"

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION... FRIDAY 11th MAY ....1923. No. 131....

Observations at 0100 G.M.T. 11th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1000·8	0	ENE	4	bc/r	40	65	7	7200	Stcu	3	Q.St	5	*
Stornoway	996·0	+1·2	NE'E	7	PH	*	*	5	*	*	*	*	*	*
Wick	990·1	+·8	NE	9	ORR	38	97	7	2500	Nb	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	994·8	0	NNW	9	bcPR	45	85	7	5700	Nb	5	-	5	*
Renfrew	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh(Inchkeith)	984·5	-5	NNW	2	bc/pq	40	92	8	-	CuNb	6	-	6	*
Leuchars	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	988·9	-5	SW	2	bc-	41	85	7	4000	CuNb	2	Q.cu	5	*
Blacksod Point ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	995·2	-6	W'N	7	b-	45	92	8	-	-	0	-	0	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	994	-6	SW	5	o/r	44	92	7	4000	Nb	10	-	10	*
Birmingham (Edgbaston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	995·5	-9	W'S	4	o/q	43	97	7	1500	Nb	10	-	10	*
Gorleston	1001·3	-4	SW	4	o/r	43	95	7	4000	Nb	10	-	10	*
Valencia (Cahirciveen)	1009·5	-3	W'S	4	1r	47	85	6	4	SC	9	4	9	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke(St.Ann's H.)	1002·6	-2	W	6	bc	46	65	8	2500	St	6	-	6	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)...	*	*	*	*	*	45	*	*	*	*	*	*	*	*
Croydon	1002·1	-7	SW'S	4	o/r	47	92	6	1500	Nb	10	-	10	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness... ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1001·6	-7	SW	4	o/r	47	97	6	4500	Nb	10	-	10	*
Scilly (St. Mary's) ...	1008·4	-7	W'NW	7	o/r	49	92	7	2500	Nb	10	-	10	*
Falmouth (Pendennis)	1006·9	-2	W	6	o/q	47	92	7	1500	Nb	10	-	10	*
Plymouth(Cattewater)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1003·0	-11	W	7	o/r	45	92	6	4500	St	10	-	10	*
Southampton(Ca.shot)	1003·4	-8	W'SW	6	o/r	45	92	8	1500	Nb	10	-	10	*
Dungeness	1003·2	-5	W	7	0	48	75	8	2500	Nb	10	-	10	*
Jersey 7h }														*
Guernsey 1h }														

Observations at 0700 G.M.T. 11th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	999·6	-1	E	3	bc	42	65	8	4000	Cu	2	a.cu	5	2
Stornoway	999·1	+2	NNE	6	bc-	39	65	7	4000	CuNb	6	-	6	5
Wick	994·2	+4	NE	8	o/r	41	75	7	2500	Nb	7	Q.St	10	7
Castlebay	1000·0	+1	N	5	bc	42	75	8	4000	Stcu	6	-	6	6
Nairn	993·7	+	NNE	8	oPR	38	92	8	1500	St	9	-	9	*
Aberdeen	987·4	+2	NNE	2	o/r	40	97	8	1500	Nb	10	-	10	0
Malin Head	998·1	+3	N'W	8	bc/r	43	85	8	4000	CuNb	4	-	4	8
Renfrew	988·9	+4	N	6	o/r	40	85	7	2500	Stcu	9	-	9	*
Edinburgh(Inchkeith)	986·3	+2	N	5	bc	40	75	7	-	St	3	Cu St	6	4
Leuchars	986·9	+2	N	3	bc+	41	85	8	4000	Stcu	3	Cu St	5	*
Eskdalemuir	986·3	+1	NNW	4	c	36	85	8	1500	Stcu	7	Cu St	8	*
Tynemouth	984·9	-2	W	2	o/r	38	97	6	4000	Nb	10	-	10	0
Blacksod Point ...	993·5	+5	NW	6	bc-	44	75	8	1500	St	6	-	6	6
Donaghadee	1001·9	*	NNW	4	bc-	42	85	7	4000	Cu	6	-	6	*
Birr Castle	992·1	0	NW'N	8	0	45	92	7	2500	Cu	10	-	10	8
Holyhead	991·1	-3	W	8	o/r	42	85	7	1500	CuNb	10	-	10	8
Liverpool (Bidston) ...	990·6	-4	WNW	6	oPR	42	85	7	1500	St	10	-	10	*
Spurn Head	989·9	-4	SW	6	o/r	44	85	7	2500	Nb	6	Cu St	9	4
Birmingham (Edgbaston)	992·2	-3	W	5	c	43	75	8	2500	CuNb	8	-	8	*
Nottingham	990·0	-4	W	4	c	44	75	7	800	CuNb	8	-	8	*
Cranwell	990·3	-5	WSW	5	0	43	85	7	1500	Nb	10	-	10	*
Gorleston	994·7	-4	WSW	4	b-	45	85	7	5700	Cu	1	Cu St	2	4
Valencia (Cahirciveen)	1007·8	0	NNW	5	c-	40	75	8	1500	Stcu	7	-	7	4
Roches Point	1003·5	-	NW	5	0	44	85	8	2500	CuNb	7	-	7	3
Pembroke(St.Ann's H.)	999·7	-1	NW'W	6	0	45	75	8	2500	Stcu	10	-	10	5
Ross-on-Wye	995·1	-2	W'S	4	0+	45	83	8	4000	Cu	9	-	9	*
Benson...	995·3	-3	SW	4	b-	46	75	8	-	Cu	1	Ci	2	*
Andover	997·2	-4	W'S	5	bc/r	45	75	8	2500	Stcu	5	-	5	*
S. Farnborough ...	996·3	-1	W'S	4	bc+	44	85	8	4000	Cu	2	Ci	5	*
London (Kew Obsy.)...	995·8	-1	SW	3	bc-	45	75	8	2500	Stcu	2	Ci Cu	4	*
Croydon	995·9	-2	WSW	4	c/r	44	75	8	4000	Stcu	6	Ci St	7	*
Clacton-on-Sea ...	995·5	-1	W	4	bc	45	85	7	800	Cu	4	Ci St	6	4
Shoeburyness... ...	995·7	-4	SW	3	c	46	75	7	2500	Stcu	3	Q.cu	8	*
Grain	996·1	-4	WSW	4	c+	45	85	8	5700	Stcu	7	-	7	3
Lympne	996·5	-5	W	4	o/p	45	75	8	1500	Stcu	9	-	9	*
Scilly (St. Mary's) ...	1004·8	-1	NW	6	bPR	47	75	7	4000	Stcu	2	-	2	6
Falmouth (Pendennis)	1003·7	-2	NNW	5	o/r	47	78	7	4000	Cu	10	-	10	0
Plymouth(Cattewater)	1001·4	-1	NW	3	b/p	47	75	7	2500	CuNb	1	-	1	0
Portland Bill	998·5	-3	WNW	7	bc/r	46	92	7	1500	Stcu	6	-	6	4
Southampton(Ca.shot)	998·1	-3	W	5	c	46	75	8	4800	Stcu	6	Q.cu	8	3
Dungeness	996·9	-4	W	5	o/r	46	83	8	5700	Stcu	10	-	10	6
Jersey 7h }	1002·6	-3	WSW	4	o/r	48	85	6	1500	Nb	10	-	10	4
Guernsey 1h }														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 10th MAY 1923

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 9th-10th °F.	Temperature. Max. Day. 10th °F.	Rainfall.† Night 17h.-9h. 9th-10th mm.	Rainfall.† Day 9h.-17h. 10th mm.	Sunshine. Sunrise to 17h. 10th hr.	Sunshine. Sunrise to Sunset. 9th hr.
Montrose	*	*	33	46	0·1	3	6·3	6·3
Llandudno	c	cbc	42	51	1	-	8·1	7·7
Colwyn Bay ...	c	c	41	51	-	-	7·8	8·9
Rhyl...	bc	bcc	42	52	1	-	9·5	8·3
Southport	byb	bbcco	39	50	0·1	-	9·0	
Blackpool	bccoq	cu	39	50	-	0·1	9·2	9·1
Ilkley	dorcb	bbccd	38	51	1	-	7·6	10·6
Harrogate	bc	bcco	35	49	1	-	8·0	9·0
Skegness	cbc	bccbc	37	49	1	-	5·8	7·4
Aberystwyth ...	rbc	b	42	50	1	-	7·0	9·5
Bath	ocbco	cbcbo	33	53	1	-	4·6	9·3
Leamington Spa ...	c	c	37	52	1	-	5·9	8·4
Lowestoft	oprnt	ocbc	40	49	4	4	5·7	8·4
Felixstowe	c	bccp	39	51	2	1	5·0	5·3
Southend	ocop	ocop	39	50	-	1	4·7	4·3
Ilfracombe	cbcc	cbcco	48	51	3	-	8·8	10·1
Bude	rc	oc.c	42	54	3	-	10.4	9.4
Penzance	b.bc	bc	43	53	2	-	11·5	3·2
Paignton	bcq	bccqbq	41	53	1	-	6·2	8·3
Torquay	b	b	41	54	1	-	0·0	7·2
Weymouth	cbc	bc	38	55	-	-	9·7	5·0
Bournemouth ...	b	b	38	53	0·3	-	9·5	5·2
Portsmouth (S'thsea)	bo	bcb	40	53	-	-	6·2	4·0
Worthing	occbc	bc	40	53	-	-	7·4	2·2
Brighton	bcbcb	bocbc	41	52	-	-	7·2	2·0
Eastbourne... ...	bcc	cbc	41	53	-	-	7·7	0·7
Hastings	cbcoc	bcopoc	41	51	0·1	0·3	5·6	0·6
Folkestone... ...	p	p	40	50	-	2	5·2	0·6
Tunbridge Wells ...	bcco	opbcc	38	45	trace	trace	3·8	1·5
Ramsgate	bcpqb	bpqbc	41	56	1	1	4·1	2·8
Margate	obcc	opc	43	50	1	1	1·5	2·0
Deal	ocbc	phbc	40	51	1	3	3·4	2·1

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm § For code see page 3 ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22451 SATURDAY, 12th MAY 1923.

Observations at 1300 G.M.T. 11th — Observations at 1800 G.M.T. 11th

STATIONS.	1300 Barom. at M.S.L. m.b	1300 Change in 3 Hours†	1300 Wind. Direc.	1300 Wind. Force 0-12	1300 Weather.	1300 Temp. °F.	1300 Humidity. %	1300 Visibility. 0-9	1300 Cloud. Low. Height Feet	1300 Cloud. Low. Form	1300 Cloud. Low. Amt. 0-10	1300 Cloud. Upper Form.	1300 Cloud. Total Amt. 0-10	1300 State of Ground.	1800 Barom. at M.S.L. m.b	1800 Change in 3 Hours†	1800 Wind. Direc.	1800 Wind. Force 0-12	1800 Weather.	1800 Temp. °F.	1800 Humidity. %	1800 Visibility. 0-9	1800 Cloud. Low. Height Feet	1800 Cloud. Low. Form	1800 Cloud. Low. Amt. 0-10	1800 Cloud. Upper Form.	1800 Cloud. Total Amt. 0-10	Sun. 0-9
Lerwick	999.2	0	E	3	0	42	65	8	-	-	0	ASt	10	•	998.2	-2	E	4	c	42	65	8	-	-	0	ASt	7	3
Stornoway	999.6	0	NNE	6	c*	42	75	7	4000	CuNb	7	·	7	•	999.9	0	NNE	5	cph₀	42	75	7	4000	CuNb	7	-	7	4
Wick	994.4	0	NNE	6	0	43	75	8	4000	CuNb	7	ASt	10	•	994.3	+1	NNE	6	0	42	75	8	3700	Cu	6	CiSt	10	6
Castlebay	1000.5	+1	NW	4	bc/[illegible]	42	75	8	2500	StCu	6	·	6	•	1001.2	+1	NNW	5	bc	43	75	8	2500	Cu	4	-	4	5
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	•	995.3	*	N	5	bc/r	43	75	8	4000	Cu	6	-	6	•
Aberdeen	990.6	+3	NNW	5	ors	36	97	6	1500	Nb	10	·	10	2	991.1	0	NNW	5	orr	36	97	6	1500	Nb	10	-	10	4
Malin Head	999.1	+1	NNW	7	bc/[illegible]	43	85	8	5700	CuNb	3	CiCu	5	•	1000.1	+2	N	7	cPR	41	97	8	5700	CuNb	5	CiCu	7	7
Renfrew	993.9	+3	NW	3	0	42	65	8	2500	Nb	10	·	10	1	995.3	+2	NW	4	0-	42	75	8	2500	St	10	-	10	•
Edinburgh(Inchkeith)	988.9	+3	N	6	bpr₀	41	75	7	*	Nb	10	·	10	•	992.1	+3	NW	5	0	41	75	8	-	St	3	ASt	10	4
Leuchars	989.6	+3	N	5	0	40	85	8	1500	StCu	10	·	10	1	991.9	+3	N	4	0	40	75	8	2500	StCu	7	ASt	10	•
Eskdalemuir	990.0	+4	NNW	6	ors	37	83	6	1500	Nb	10	·	10	1	992.7	+3	NWN	5	o/s	37	75	8	2500	StCu	9	CiSt	10	•
Tynemouth	988.5	+1	N	3	orr	42	92	6	4000	Nb	10	·	10	•	988.4	+3	N	3	or	39	97	6	4000	Nb	10	-	10	1
Blacksod Point														•														
Donaghadee	996.7	+3	NNW	5	bc-	46	66	8	1500	Cu	4	CiSt	5	•	997.8	+0	NNW	4	bc-	45	75	8	1500	Cu	5	-	5	6
Birr Castle	1002.2	*	NW	3	cph₀	42	83	7	4000	Cu	8	·	8	•	1002.0	*	NW	3	c-	43	75	7	2500	Cu	7	-	7	•
Holyhead	995.1	+3	NW	7	bc-	48	75	8	2500	Cu	3	ACu	4	0	996.4	+2	NW	6	bcjp	45	85	9	2500	Cu	6	-	6	8
Liverpool (Bidston)	991.8	+4	NNW	4	oph₀	42	85	7	1500	Nb	10	·	10	•	994.0	+1	NW	5	o/s	44	65	8	1500	St	10	-	10	7
Chester (Shotwick)	991.6	+2	NW	7	orR	45	75	6	1500	St	10	·	10	2	994.4	+1	NW	7	o/p	45	75	8	1500	StCu	10	-	10	•
Spurn Head	986.7	+3	W	4	oPR	44	92	7	2500	CuNb	8	ACu	9	•	988.6	+2	W	5	otl	46	85	7	4000	CuNb	10	-	10	4
Birmingham (Edgbaston)	991.9	0	WNW	7	c-	46	65	8	4000	StCu	8	·	8	•	993.3	+3	NW	6	cPR-	40	85	6	2500	Nb	8	-	8	•
Nottingham	989.3	0	W	6	0	44	75	6	1600	StCu	10	·	10	•	992.3	+3	WNW	5	c	44	75	6	1500	StCu	8	-	8	•
Cranwell	988.9	0	W	4	c	47	65	8	2500	Cu	7	·	7	1	991.0	+3	WNW	4	0	45	75	7	1500	StCu	9	-	9	•
Gorleston	991.7	-3	SSW	6	c	48	76	6	4000	CuNb	7	·	7	•	991.5	+1	SW	3	c	46	75	7	4000	CuNb	7	-	7	4
Valencia (Cahirciveen)	1007.5	0	NNW	6	c/p	46	75	8	2500	StCu	6	ACu	7	1	1006.8	-0	NNW	6	c	45	65	8	2500	StCu	7	-	7	6
Roches Point	1003.2	0	NW	5	c	49	75	9	2500	CuNb	7	-	7	•	1003.4	+1	NNW	6	cph₀	40	97	9	2500	CuNb	8	-	8	3
Pembroke (St. Ann's H.)	999.8	+1	NW	6	bc	49	65	8	4000	Cu	4	·	4	•	1000.8	+1	NW	3	oph₀	42	75	8	2500	Nb	10	-	10	5
Ross-on-Wye	999.6	0	WNW	7	bc	49	65	9	4000	Cu	4	Ci	5	0	999.8	+2	WNW	4	o/p	45	65	9	4000	CuNb	7	Ci	9	•
Benson	993.7	-0	W	5	cpr₀	50	65	8	-	CuNb	7	-	7	0	995.7	+0	NW	5	c	47	75	9	-	Cu	7	-	7	•
Andover	995.3	0	W	6	c/p	52	65	8	2500	CuNb	7	·	7	1	997.3	+2	WSW	5	o/p	42	85	8	2500	Nb	9	-	9	•
S. Farnborough	994.7	0	W'S	5	bcr	54	83	8	4000	Cu	6	·	6	1	996.7	+2	WSW	5	c/p	49	65	8	4000	Cu	4	Ci	7	
London (Kew Obsy.)	993.5	-2	SW	5	bcpr₀	52	85	8	2500	CuNb	4	Ci	5	1	995.8	+3	SW	3	bcjp	47	65	8	2500	CuNb	4	Ci	6	
Croydon	994.2	-2	WSW	5	c/p	52	85	8	2500	StCu	7	·	7	0	996.1	+3	W	4	opr₀	46	65	8	2500	CuNb	7	CiSt	9	
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*	993.3	+1	W	6	cPR	46	75	7	1500	CuNb	6	ACu	8	4
Shoeburyness	993.2	-3	WSW	4	c/p	52	65	8	2500	CuNb	8	·	8	*	994.5	+8	WNW	1	o/p	46	75	7	2500	CuNb	9	-	9	
Grain	993.3	-2	SW	6	c/r	50	75	8	2500	Cu	8	·	8	1	994.9	+4	SW	6	c/p	46	75	8	2500	CuNb	7	-	7	3
Lympne	994.9	-2	SW	6	cHr₀	49	75	8	1500	Nb	7	ASt	8	1	996.1	+2	W	4	c/p	45	65	9	2500	CuNb	6	ASt	8	•
Scilly (St. Mary's)	1004.5	0	WNW	6	c	51	75	8	4000	Cu	3	CiCu	8	•	1003.7	-1	NNW	6	opr₀	47	75	8	4000	CuNb	5	ASt	10	6
Falmouth (Pendennis)	1002.4	0	NW	5	c+	51	92	8	2500	CuNb	7	·	7	•	1002.3	0	W	4	cr₀	45	85	8	4000	CuNb	8	-	8	6
Plymouth(Cattewater)	1001.1	+1	WNW	5	cpr₀	50	65	7	2500	CuNb	7	·	7	1	1001.1	0	WNW	5	c	48	65	7	2500	StCu	7	-	7	0
Portland Bill	998.5	0	W	6	bcpr₀	50	75	7	-	-	0	ACu	4	•	998.5	0	W	7	bcpr₀	47	92	7	800	Cu	6	-	6	5
Southampton(Calshot)	996.4	-1	W'N	6	bc-	53	45	8	2500	Cu	6	·	6	0	998.3	+2	WSW	5	c/p	47	65	8	1500	CuNb	8	-	8	3
Dungeness	995.1	-2	SW	7	c-	53	65	8	4000	Cu	7	·	7	•	996.1	-3	SW	7	cH(R)	50	65	8	1200	CuNb	7	-	7	4
Jersey	1001.7	0	WNW	4	bc/r	52	65	8	4000	StCu	4	-	4	•	1002.7	0	WNW	4	bc/r	46	75	8	4000	StCu	4	-	4	4

LONDON OBSERVATIONS

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall mm. Day.	Rainfall mm. Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 HOURS ENDED 0900 G.M.T. 12th								YESTERDAY.		TO-DAY.
Kew } Croydon }	cb,b,bc	ac,c,bc	cb,bxm	•	•	28	02	1	9.3	•	•
	cshq	cL,Rlg	ob,P-b	•	•	27	1	1	7.6	•	•
Greenwich (Royal Obsy.)	c0	bc,ph[illegible]	bc,phbx	56	34	28	03	03	8.8	74	70
City (Bunhill Row)	•	•	•	•	•	•	•	•	7.5	•	•
Westminster (St. James' Pk.)	•	•	•	56	35	31	0.9		8.9	64	64
Regent's Pk. (Botanic Gdns.)	•	•	•	•	•	•	•	1	9.7	•	•
Camden Square	c	oc	•	56	35	32	1	1	•	•	65
Kensington Palace	cb	bc	•	55	36	30	0.3	1	•	65 (18h)	67
Hampstead Observatory	•	•	•	53	32	25	1	tr	9.2	•	67

ATMOSPHERIC POLLUTION.
Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T. 11th

South Kensington

Max.	Time.	Min.	Time.
0.3	17-22h. 10th	0.3	0-5h. 11th
0.3	7-14h. 11th		

Kew Observatory

Max.	Time.	Min.	Time.
0.3	16h. 10th	0.3	2-4h. 11th
0.3	7h. 11th		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 11th 20h. 46m. to 12th 3h. 15m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	6.30	6.16	96
δ Ursae Minoris	6.30	6.13	96

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Rear frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer.
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per ½ sec.	Stren.	Direc.
13h.	C_1C_2	7	-	100
18h.	C_1C_2	7	-	120
01h.	C_1C_2	6	-	125
07h.	C_1C_2	5	-	[illegible]

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

12th-13th MAY, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4.14	11.49	7.24
	4.25	11.45	7.06
	4.13	11.56	7.37
Greenwich	4.13	11.56	7.39
Wick	3.03	12.2	8.22
	3.54	12.8	8.35
Valencia	4.34	12.34	8.20
	4.02	12.31	8.22

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
jp precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
v unusual visibility. y dry air.
z dust haze: the turbid atmosphere of dry weather.

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; i = intermittent; - = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";
Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
rr = continuous moderate rain.
r_0r_0 = continuous light rain.

BEAUFORT SCALE of WIND

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

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

SEA DISTURBANCE.

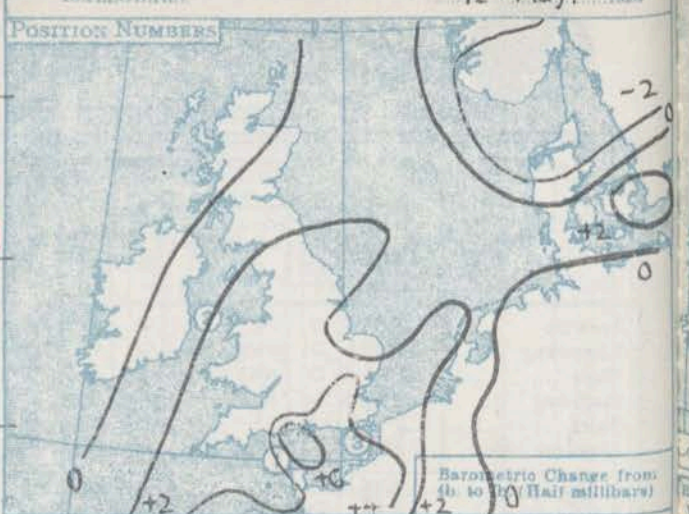
0=no swell } Calm or
1=mod. swell } slight
2=heavy swell } sea.
3=no swell } Moderate
4=mod. swell } sea.
5=heavy swell }
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

[1] For explanation see Introduction.
* Information for these columns not usually received.
† The barometric change is expressed in half millibars.
‡ For code see page 8.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 11h.	13h.-18h. 11h.	18h. 11h. to 1h. 13h.	1h.-7h. 13h.	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS	RAINFALL. Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 11h. Hours.
Lerwick	c	c	omr	omr	43	38	.	–	5	–	<2100	9.5
Stornoway	c	c	p	c	46	35	.	0.2	0.6	–	–	9.7
Wick	oo	oo	oo	oror	43	38	.	–	1	–	0230	.
Castlebay	chspc	cpsbc	bcb	bop	45	37	.	1	2	–	–	13.2
Nairn	qc	uhqbc	bcqph	cq	45	37	.	1	0.3	<0800	2200	2.2
Aberdeen	rsrs	rsrrm	orr	oir.	42	36	34	2	8	<0800	<2100	0.1
Malin Head	phrq	bcqv	cPHR	cPRH	45	36	.	0.4	1	0900	2200	11.5
Renfrew	ovq	ovo	oo	ovc	43	36	31	Trace	–	–	–	0.0
Edinburgh(Inchkeith)	p	oo	oo	oo	43	38	36	Trace	–	–	–	1.7
Leuchars	p	oo	oo	oo	43	38	33	Trace	–	12.30	–	2.0
Eskdalemuir	cobir	orso	acbc	cbc	42	33	30	1	–	13.30	–	1.4
Tynemouth	crrumbiRq	oidoq	cm		44	36	33	2	0.5	<0800	<2100	.
Blacksod Point ...							.					.
Donaghadee	beq	bcqps	bcq	c	47	37	.	0.1	–	14.30	–	.
Birr Castle	ph	cPHR	pcr	co	43	34	31	2	0.2	09.00	<2100	6.7
Holyhead	oPRcbq	bcqPRv	bprsq	oogc	49	35	37	0.6	1	<0800	<2100	4.9
Liverpool (Bidston) ...	oRsq	p	hrrh	opq	46	39	36	2	6	<0800	<2100	0.1
Chester (Shotwick) ...	PRhq	oprq	opRorq	opRorq	47	37	32	5	9	<0800	<2100	2.4
Spurn Head	coqpr	qprhre	qhrcq	c	48	40	.	2	trace	<0800	<2100	4.8
Birmingham (Edgbaston)	hoRh	crhp		p	47	34	31	2	0.6	<0800	2200	6.2
Nottingham	cp.	cp.	cb	b.bc	49	35	31	Trace	–	<0800	–	5.1
Cranwell	proc	tbprh	oc	cbcb	48	33	30	2	–	<0800	–	6.4
Gorleston	cqpr	cqp	oqcql	b	52	35	30	1	–	1100	–	8.6
Valencia (Cahirciveen)	cb h	cphq	bhcq	cpsbc	49	39	35	2	3	0900	<2100	6.7
Roches Point ...	cp	cpqcph	b	cpb	51	34		2	0.5	1100	<2100	
Pembroke (St. Ann's H.)	c	p	cqp	c	50	42	.	0.6	2	1430	<2100	7.5
Ross-on-Wye	bcqp	pqcq	hqsbv	bvcqv	50	34	25	0.1	0.2	<0800	<2100	6.5
Benson	bccp	pbc	bco	bx	54	27	20	1	trace	–	–	.
Andover	bccprcq	copthq	oc	bcbw	52	29	27	1	–	1330	–	10.0
S. Farnborough ...	bccpcrcbcqrpcp		cbc	b	56	30	26	0.5	–	0300	–	10.0
London (Kew Obsy.) ...	ccpccjcqcpqrpcpbcb		cpopbcb	bbxbmw	53	35	28	0.2	1	12.30	<2100	9.3
Croydon	copqr	cTLRHp	obPr	b	54	35	27	1	1	12.30	<2100	7.6
Clacton-on-Sea ...	bccp	cprlqcp	cbc	bc	54	35	30	1	–	0900	–	7.5
Shoeburyness ...	ccccqpsjpcbcqbcq		cbx	bxb	56	35	29	1	–	13.30	–	6.3
Grain	cpcpc	cqplp	cqplo	bbm	54	32	30	1	0.2	12.30	<2100	6.0
Lympne	oprr	cuTRH	cbcl	bccx	52	33	29	3	0.3	13.30	–	7.2
Scilly (St. Mary's) ...	cccqp	coq	cqp	cbcq	52	42	.	0.1	1	<0800	0230	7.7
Falmouth (Pendennis)	bc	bcp	bcp	orpbc	52	36	.	0.1	4.3	1530	2300	10.6
Plymouth (Cattewater)	bcpqbc	cphrqbc	ccp	opb	51	37	35	Trace	0.2	<0800	2100	10.3
Portland Bill	cccp	bccp	cq	cq	51	42	.	1	0.4	1100	<2100	.
Southampton (Calshot)	cpqr	c	cbbc	bbc	55	36	31	0.2	–	1330	–	10.1
Dungeness	oo	qrhr	c	oo	54	37	.	1	0.2	1230	<2100	.
Jersey	orrbc	bcpuc	bco	orrbc	54	41	.	4	4	0900	0230	4.0

ISALLOBARS. 12th May. 1923.



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
3	11th.000	Cambria	NW	8	c	47	48	8
	12th.0300	Arundel	WNW	5	RR	46	53	8

GENERAL INFERENCE.

The depression over the North Sea shows a tendency to move a little northeast and winds over the British Isles will be between west and north. Weather will be cool with bright intervals and local thundery showers. There is a probability of frost in many places again tonight.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Saturday, 12th May, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Wind NW. or W., moderate, fresh or strong in places; considerable bright periods, local thundery showers today; visibility good; cool, frost in places at night, temperature rising somewhat tomorrow.	Improving temporarily with a rising temperature.
7. North Wales 8. N.W. England 9. N. Midlands	Wind NW. or W., moderate, fresh or strong in places at first; variable cloud, some thundery showers, improving; visibility good; cool, frost in places at night.	
10. N.E. England	As 1 to 6.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind northerly or northwesterly, strong, moderating later; variable cloud, some showers of rain, hail or sleet, improving; visibility good; cold, frost in places at night.	North Cor... still flying.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 7 to 9.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0900 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.

SYNOPTIC CHART FOR MORNING OF SATURDAY, MAY 12TH, 1923.

Scale - 1:10,000,000

Nautical Miles
Statute Miles.

Low Cloud.

CuNb4
Nb10
St+
StCu
CuNb4 Nb10
StCu
Nb3
St5 Cu1
CuNb5
StCu3 CuNb7
CuNb3
Cu4 Cu3
Nb3 CuNb2 Cu3
Cu6 Cu6 Cu1 Cu1
Cu1
Cu2 Cu5 StCu7
St Cu2

Temperature Weather, Sea

43
40 42 39 or 38 42 cp 41 40 or 39 42 41 bcph 38 cr 43 41 40 42 gr 40 40 40 40 40 42 45 42 45 45

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

HIGH

1024 1022 1020 1018 1016 1014 1012 1010 1008 1006 1004 1002 1000 998 996 994 992 990

2 30 Fair
15 34 Ocast
5 36 Snow
35 38 Fine

Barometric Changes Slight

1 37 Cloudy
21 48 994 Ocast
5 43 Cloudy
15 42 Cloudy
21 38 Rain
10 41 Cloudy
10 39 Cloudy
35 42 Heavy hail showers

Barometer Falling Slowly

5 41 Fine
2 37 Sleet
2 45 Ocast
21 45 Drizzle
21 45 Showers

LOW
7h 11th
18h 11th
01h 12th

Barometer Rising Slowly

28 43 Cloudy
10 40 Fine
10 40 Fine
28 46 Fair
28 42 Fair
10 40 Fine
5 43 Rain
28 45 Fine
10 45 Fine
35 45 Cloudy
5 43 Rain
10 46 Showers
2 50 Ocast
10 50 Ocast.
2 54 Ocast.

"CEDRIC" 5 49 Air 53 Sea
"CARONIA" 10 47 Air 52 Sea Cloudy
"HOMERIC" 21 47 Air 49 Sea Fair

1016
1014

EXPLANATION

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Direction is shown by arrows flying with the wind. Force, on the scale 0–12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circle.
TEMPERATURE is given in °F
WEATHER SYMBOLS: ○ clear sky, ◔ sky ¼ clouded; ◑ sky ½ clouded; ◕ sky ¾ clouded; ● overcast sky; • rain falling; * snow; ✱ sleet; ▲ hail; ≡ fog; ≈ mist; T thunder R thunderstorm.
SEA DISTURBANCE: ~~~ Rough, ≈≈≈ High.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

0.	Dense fog. Objects not visible at	55	yards
1.	Rather thick fog	220	"
2.	Very bad	550	"
3.	Bad	1,100	"
4.	Very poor	1¼	miles.
5.	Poor	2½	"
6.	Moderate	6½	"
7.	Good	13	"
8.	Very good	31¼	"
9.	Excellent.	beyond 31¼	"

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4. BRITISH SECTION... SATURDAY, 12th MAY ..... 1923. No. 132.

Observations at 0100 G.M.T. 12th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility‡ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	9962	-1	E	7	orc	40	85	6	4000	Nb	10	-	10	•
Stornoway	10005	0	NE	5	PH	•	•	•	•	•	•	•	•	•
Wick	9932	-1	N	4	0	41	75	9	-	-	0	AS	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	10014	+1	NNW	7	bcPH	43	75	9	5700	CuNb	5	-	5	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh(Inchkeith)	9937	0	NW	4	0-	39	75	9	-	-	0	AS	9	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	9919	+3	NW	3	bc/r	37	92	6	4000	Nb	4	-	4	•
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	9985	+1	NNW	7	c	43	92	8	2500	Cu	7	-	7	•
Liverpool (Bidston)...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	9928	+1	W	7	c	42	85	7	4000	StCu	8	-	8	•
Birmingham (Edgbaston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	9961	+4	W'S	3	c-	36	92	7	2500	StCu	8	-	8	•
Gorleston	9954	+2	WSW	3	c+	40	92	7	5700	StCu	8	-	8	•
Valencia (Cahiroiveen)	10103	+3	N'W	4	cr	45	75	6	•	Cu	7	-	7	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke(St.Ann's H.)	10033	+1	NW	6	bc+	41	75	8	2500	St	4	-	4	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)...	•	•	•	•	•	39	•	•	•	•	•	•	•	•
Croydon	9987	0	NSW	3	b-	38	85	7	-	-	0	-	0	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness... ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	9982	+1	W	3	bc	38	92	8	2500	StCu	5	-	5	•
Scilly (St. Mary's) ...	10050	+2	NWN	6	cpr	44	75	7	4000	StCu	7	-	7	•
Falmouth (Pendennis)	10044	+1	NW	3	or	39	92	7	4000	Nb	10	-	10	•
Plymouth(Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	9994	0	NW	6	c+	44	92	7	1500	StCu	7	-	7	•
Southampton(Ca.shot)	9990	+1	NNW	4	bc	40	85	8	-	-	0	AS	4	•
Dungeness	9985	+3	NW	5	bc-	43	85	8	-	-	0	AS	4	•
Jersey 7h)														
Guernsey 1h)														

Observations at 0700 G.M.T. 12th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility‡ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	9938	0	NE	2	c/r	43	85	7	4000	CuNb	4	AC	8	1
Stornoway	9976	-1	ENE	4	c	42	75	7	4000	Cu	4	AS	8	4
Wick	9912	-2	NNW	4	orc	40	92	6	2500	StNb	10	-	10	4
Castlebay	9935	-1	NNW	4	c	42	75	8	1500	StNb	9	-	9	4
Nairn	9939	0	NNW	5	c	39	85	8	1500	StNb	8	-	8	4
Aberdeen	9913	0	NE	5	orc	38	97	6	1500	Nb	10	-	10	4
Malin Head	10007	-1	NNW	7	bcPH	42	85	8	5700	CuNb	5	AC	6	1
Renfrew	9966	+1	NNE	5	c⊕	41	75	8	4000	StCu	5	CiSt	6	3
Edinburgh(Inchkeith)	9939	0	NNW	4	0	40	75	8	•	StCu	1	Ci	1	•
Leuchars	9933	0	NNW	5	0	40	75	8	2500	StCu	3	-	3	•
Eskdalemuir	9955	+1	N	6	bc	36	75	8	2500	StCu	3	AC	5	•
Tynemouth	9937	+2	NNE	3	c	39	85	6	4000	CuNb	7	-	7	2
Blacksod Point ...	10008	+1	W'N	4	cr	41	85	8	1500	CuNb	3	ASt	8	4
Donaghadee	10060	x	W	1	bc	38	65	8	-	StCu	4	Cicu	6	4
Birr Castle	10011	+3	NNW	6	c	43	85	8	2500	Cu	7	-	7	•
Holyhead	9979	+1	NNW	6	bc	41	75	8	1500	Cu	9	-	9	•
Liverpool (Bidston)...	9987	+4	NNW	5	o	41	75	7	800	St	9	-	9	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	9950	+3	W'N	6	b-	42	85	7	-	-	0	AC	3	6
Birmingham (Edgbaston)	9996	+2	NNE	5	b+	38	85	6	2500	StCu	2	Ci	3	•
Nottingham	9978	+3	WSW	3	b	40	85	6	4000	Cu	3	-	3	•
Cranwell	9977	0	W'S	3	b-	38	85	6	-	-	0	AC	1	•
Gorleston	9973	+1	WSW	3	b	40	85	6	-	-	0	AC	2	1
Valencia (Cahiroiveen)	1010.6	-1	NNW	4	oph	41	85	6	1500	St	10	-	10	4
Roches Point	10079	+1	NNW	4	bc+	41	95	8	4000	CuNb	3	-	4	4
Pembroke(St.Ann's H.)	10051	+2	NW	6	bc	42	75	8	4000	Cu	6	-	6	•
Ross-on-Wye	10016	+2	NNW	4	c	40	75	8	4000	Cu	6	-	7	•
Benson...	10000	+3	NNW	3	b	40	85	9	•	Cu	1	-	1	•
Andover	10012	+3	W'N	5	b-	40	85	8	2500	StCu	1	-	1	•
S. Farnborough ...	10007	+4	NNW	3	b	42	85	9	2500	Cu	1	-	1	•
London (Kew Obsy.)...	10005	+4	NSW	3	b	40	75	6	4000	Cu	1	-	1	•
Croydon	10009	+3	W'N	2	b	40	85	7	2500	Cu	2	-	2	•
Clacton-on-Sea ...	9985	+2	NNW	3	b	40	85	7	-	-	0	ASt	3	•
Shoeburyness... ...	9992	+2	W	2	b	41	75	7	2500	Cu	1	-	1	•
Grain	9995	+2	W	4	b	41	85	6	-	-	0	Ci	1	•
Lympne	9994	+3	NW	3	c-	37	92	8	-	-	0	CiSt	1	•
Scilly (St. Mary's) ...	10082	+2	NW	6	b	45	65	8	4000	Cu	3	-	3	6
Falmouth (Pendennis)	10064	+3	NW	4	bc/r	42	75	8	4000	Cu	3	-	3	6
Plymouth(Cattewater)	10078	+3	WNW	4	bcp	43	75	8	2500	StCu	3	-	3	6
Portland Bill	10030	+6	NW	6	c	45	92	7	1500	StCu	1	-	1	6
Southampton(Ca.shot)	10015	+2	WNW	4	b	43	75	8	2500	Cu	1	-	1	6
Dungeness	9995	+2	NW	3	c-	40	85	8	-	-	0	ASt	2	4
Jersey 7h)	10048	+2	WNW	3	b/r	45	75	8	4000	StCu	2	-	2	3
Guernsey 1h)														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR ..... 11th MAY, 1923 .....

STATIONS.	Weather. Fore-noon	Weather. After-noon.	Temperature. Min. Night, 10h.-11h. °F.	Temperature. Max. Day, 11h. °F.	Rainfall.† Night 17h.-9h. 10h.-11h. mm.	Rainfall.† Day 9h.-17h. 11h. mm.	Sunshine. Sunrise to 17h. 11h. hr.	Sunshine. Sunrise to Sunset. 10h. hr.
Montrose	-	-	33	41	1	3	0.0	6.3
Llandudno	0	op	42	47	6	0.2	0.2	8.1
Colwyn Bay ...	cp	pc	41	47	9	1	0.8	7.8
Rhyl...	bcph	pbcp	41	47	6	2	0.3	9.3
Southport	ogpr	drqcq	41	47	3	1	1.4	9.0
Blackpool	pnao	opq	41	46	6	0.4	0.6	9.2
Ilkley	cphbc	hprsc	36	48	11	2	4.5	7.6
Harrogate	p	c	34	48	9	1	3.0	8.0
Skegness	cphrc	cpu	39	51	3	1	5.1	8.5
Aberystwyth ...	orc	b	40	49	4	-	3.5	8.0
Bath	cbcop	cbrhr	42	52	2	1	7.8	5.1
Leamington Spa ...	c	o	41	50	0.2	2	6.7	5.9
Lowestoft	ocbc	bp	40	52	3	0.2	8.0	6.9
Folkestone	bc	bcp	41	52	2	1	8.2	6.8
Southend	qcpbc	bcpcq	42	54	1	0.2	7.3	3.0
Ilfracombe	oc	cbc	44	50	3	-	6.2	9.6
Bude	cbccc	cbccph	40	51	4	1	7.6	11.0
Penzance	bcq	bccqh	43	54	15	Trace	8.4	12.3
Paignton	bcqy	bcqr	44	56	2	-	10.1	10.7
Torquay	b	b	46	56	2	0.1	10.0	10.8
Weymouth	bcb	bpbbc	45	55	0.4	0.2	10.0	11.0
Bournemouth ...	bc	bc	43	56	1	3	10.0	9.6
Portsmouth (S'thsea)	b	bpb	42	54	1	0.2	8.8	9.6
Worthing	coc	cobc	43	55	2	0.3	7.9	9.2
Brighton	cob	bbpb	44	55	3	-	8.3	8.2
Eastbourne	cbc	cpcbc	44	55	2	0.2	7.8	8.1
Hastings	Hocbc	bcpb	42	54	6	1	7.0	8.4
Folkestone	cpq	phc	41	54	3	2	6.0	8.5
Tunbridge Wells ...	bcpn	bcqpn	40	55	2	-	7.0	8.4
Ramsgate	bc	rirbc	40	53	3	-	5.4	7.8
Margate	ocbc	cpnbc	41	53	1	-	6.0	7.0
Deal	ocnc	bc	41	55	1	-	5.5	7.2

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Observation for these columns not usually received. † Trace = rain has fallen but amount less than 0·1 mm ‡ For code see page 5 : See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B22452 Sunday, 13th May 1923.

Observations at 1800 G.M.T. 12th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	993·7	0	ENE	3	D+	45	85	7	4000	Cu	4	Ci St	10	*
Stornoway	996·8	-1	NNE	4	o+	46	75	7	800	St	10	-	10	*
Wick	990·6	+1	NNE	4	Ofo+	41	97	7	2500	Nb	10	-	10	*
Castlebay	990·0	0	WNW	4	b	45	85	8	4000	Cu	3	-	3	*
Nairn	*	*	*	*	*	*	*							*
Aberdeen	991·1	0	NW'N	6	0	43	85	8	1500	St	10	-	10	1
Malin Head	1000·4	0	SSE	6	c/r	45	86	9	5700	Cu Nb	4	Ci Cu	7	*
Renfrew	996·4	0	NW	4	o+	49	55	9	2500	St Cu	7	Ci	9	0
Edinburgh (Inchkeith)	994·6	0	NW	5	oh(r)	44	65	8	-	Cu	1	a.St	10	*
Lenchars	993·4	0	WNW	5	o	46	55	8	2500	St Cu	4	a.St	10	0
Eskdalemuir	996·1	0	W'N	5	c/p	42	63	7	1500	Nb	8	-	8	1
Tynemouth	995·3	+2	WNW	2	c	46	75	6	4000	Cu Nb	8	-	8	*
Blacksod Point ..														*
Donaghadee	1001·5	+1	W	3	c/tlr	42	75	8	1500	Cu	4	a.St	8	*
Birr Castle	1005·7	*	W	3	cPH	39	92	3	4000	Cu Nb	7	-	7	*
Holyhead	1002·7	+1	WNW	6	o/p	47	75	9	4000	Cu	10	-	10	0
Liverpool (Bidston) ...	1000·8	+2	W	6	bc	45	85	8	2500	Cu	3	Ci St	5	*
Chester (Shotwick) ...	1001·5	+2	W	6	c/r	48	65	8	2500	Cu	7	Ci	8	2
Spurn Head	997·9	+2	NW	7	c/r s	45	85	7	2500	Cu Nb	10	-	10	*
Birmingham (Edgbaston)	1002·4	+3	NW	5	c/r s	44	63	8	4000	Nb	8	-	8	*
Nottingham	1000·3	+3	W	4	c	46	65	7	2500	Cu	4	Ci St	7	*
Cranwell	1000·3	+3	WNW	5	c	47	63	8	2500	Cu	6	Ci St	8	1
Gorleston	999·5	+1	WSW	4	c+	49	63	7	2500	Nb	8	-	8	*
Valencia (Cahirciveen)	1009·4	0	W'S	5	op fo	43	85	6	1500	St	10	-	10	1
Roches Point	1008·0	0	NNW	4	c-	48	85	8	4000	Cu Nb	8	-	8	*
Pembroke (St. Ann's H.)	1006·4	0	W'N	5	c	46	65	7	4000	Cu	3	Ci St	8	*
Ross-on-Wye	1003·7	+2	WNW	5	bc	49	55	9	4000	Cu	4	Ci	5	0
Beneon...	1002·6	+2	WNW	4	btl	49	55	9	-	Cu	3	-	3	0
Andover	1003·3	+3	W	6	b/p	48	65	8	2500	Cu Nb	4	-	4	1
S. Farnborough ...	1002·4	+4	W	3	c/r s	44	75	9	800	Cu Nb	7	-	7	1
London (Kew Obsy.) ...	1004·4	+6	SSW	2	o/h(r)	47	85	7	2500	Nb	9	-	9	2
Croydon	1004·6	+6	WNW	3	o/h(r)	40	85	6	1500	Cu Nb	10	-	10	1
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	1500	Nb	7	a.St	9	*
Shoeburyness	1002·7	+3	W	3	o	47	75	8						*
Grain	1003·0	+4	WSW	4	o/p	44	75	8	450	Cu Nb	9	-	9	1
Lympne	1004·0	+5	W	4	o fr	45	85	8	2500	Nb	9	-	9	2
Scilly (St. Mary's) ...	1010·5	+1	WNW	5	b c/r s	47	75	8	4000	Cu Nb	4	Ci Cu	6	*
Falmouth (Pendennis)	1006·0	+1	W	6	tc/r s	48	65	8	4000	Cu Nb	6	-	6	*
Plymouth (Cattewater)	1004·3	+2	W	5	c fr s	49	55	8	2500	Cu Nb	8	Ci St	10	1
Portland Bill	1003·4	+4	NW	6	bc-	49	65	7	800	Cu	4	-	4	*
Southampton (Calshot)	1005·0	+3	WNW	5	bc/p	51	55	8	2500	Cu Nb	6	-	6	0
Dungeness	1003·7	+4	W	6	cH(R)	48	85	8	2500	Nb	6	Ci Cu	8	*
Jersey	1009·9	+2	WNW	4	bc/r	52	65	8	4000	St Cu	4	-	4	*

Observations at 1800 G.M.T. 12th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea 0-9
Lerwick	994·8	0	ENE	2	D+	42	97	6	4000	Nb	10	-	10	1
Stornoway	996·0	-1	NNE	4	o+fo	43	85	6	450	St	10	-	10	3
Wick	991·1	+1	N	2	Of+	43	92	7	1500	Nb	6	a.St	10	0
Castlebay	988·8	0	NW	4	o/sh	44	75	8	1500	St	9	-	9	4
Nairn	992·7	*	NW	1	c/r	40	92	8	4000	Cu	7	-	7	*
Aberdeen	991·5	0	WNW	4	0	41	85	8	1500	St	1	a.St	9	1
Malin Head	999·9	0	WNW	6	c/r	43	85	8	4000	Cu Nb	8	-	8	6
Renfrew	996·9	+1	W	5	0	45	65	8	4000	St Cu	4	Ci	9	*
Edinburgh (Inchkeith)	993·2	-1	WSW	5	bc-	46	65	8	-	Cu	4	-	4	4
Lenchars	993·4	-1	WNW	4	opr	45	65	8	1500	St	10	-	10	*
Eskdalemuir	995·7	0	W	4	bc	43	65	8	2500	Cu	6	-	6	*
Tynemouth	996·1	+1	W	2	bc/r	49	65	7	4000	Cu Nb	3	a Cu	5	1
Blacksod Point ..														*
Donaghadee	1001·4	0	W	3	bc sh	46	97	8	1500	Cu	5	-	5	4
Birr Castle	1005·1	*	W	2	cPR	41	85	7	2500	Cu Nb	8	-	8	*
Holyhead	1002·8	0	W'N	3	c+	46	75	8	4000	Cu	5	Ci St	7	5
Liverpool (Bidston) ...	1002·0	+2	W	4	c/r	40	85	9	2500	Cu	7	-	7	6
Chester (Shotwick) ...	1002·8	+2	WNW	3	oPH	41	85	8	1500	Nb	10	-	10	*
Spurn Head	999·3	+2	WNW	5	bc-	48	75	7	2500	Cu Nb	6	-	6	4
Birmingham (Edgbaston)	1003·8	+3	W	5	c/p	41	75	8	4000	Cu Nb	8	-	8	4
Nottingham	1001·9	+5	W	4	b-	46	63	6	2500	Cu	1	Ci	3	*
Cranwell	1002·6	+4	W'N	4	c	42	78	8	2500	Cu Nb	7	-	7	*
Gorleston	1002·6	+2	W'S	3	bc-	45	65	7	5700	Cu	2	Ci St	5	0
Valencia (Cahirciveen)	1006·7	-1	WNW	4	Of+	44	92	8	4000	Cu Nb	9	-	9	0
Roches Point	1006·1	-1	W'N	6	c	45	75	7	4000	Cu	4	-	4	4
Pembroke (St. Ann's H.)	1005·6	+4	W'N	4	o/r	40	85	8	4000	Cu Nb	9	a.St	10	*
Ross-on-Wye	1005·4	+4	WNW	5	bc	48	65	8	-	Cu	5	-	5	*
Andover	1005·5	+1	W	5	c/p	47	65	8	2500	Cu Nb	5	Ci Cu	7	*
S. Farnborough ...	1006·2	+1	WNW	4	c/r	46	55	8	2500	Cu	3	Ci	8	*
London (Kew Obsy.) ...	1005·4	+2	SW	4	bc/r	49	55	8	2500	Cu	2	Ci	4	*
Croydon	1005·8	+2	WSW	4	bc-	47	65	7	4000	Cu	2	Ci	4	*
Clacton-on-Sea ...	1007·7	+4	WSW	4	bc	49	65	7	4000	Cu Nb	3	a.Cu	6	3
Shoeburyness	1005·8	+3	W'S	2	o/r	42	85	6	1500	Cu Nb	9	-	9	4
Grain	1006·5	+5	WSW	3	opr	42	85	7	1500	Cu Nb	6	a.St	9	0
Lympne	1006·9	+3	-	0	c/r	41	85	8	2500	Nb	5	a.St	8	*
Scilly (St. Mary's) ...	1010·2	0	WNW	5	c+	48	75	8	4000	Cu	8	-	8	5
Falmouth (Pendennis)	1009·3	0	W	5	o+	47	65	7	4000	Cu Nb	9	-	9	0
Plymouth (Cattewater)	1008·9	0	W	5	o/p	46	75	8	2500	Cu Nb	10	-	10	1
Portland Bill	1006·5	+2	WNW	6	c+	49	65	7	1500	St Cu	7	-	7	6
Southampton (Calshot)	1006·8	+2	W	5	c/p	50	55	8	2500	Cu Nb	8	-	8	0
Dungeness	1006·1	+4	WSW	6	cH(R)	48	75	8	-	Cu Nb	8	-	8	5
Jersey	1011·4	+1	WNW	4	bc	50	55	8	4000	St Cu	4	-	4	4

LONDON OBSERVATIONS

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall mm. Day.	Rainfall mm. Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 8h. G.M.T. %
	24 hours ended 0900 G.M.T. 13th								Yesterday.		To-day.
Kew ..	bhr fH	bc/r hr	bc r r	*	*	34	4	2	9·9	*	*
Croydon 24 hours ended 0700	t r hq	o p b e	b r e r r	*	*	33	1	3	10·0	*	*
Greenwich (Royal Obsy.) ..	c r	r h r s t fq	b w a r	52	38	33	4	2	5·5	83	86
City (Bunhill Row)	*	*	*	*	*	*	*	*	5·4	*	*
Westminster (St. James' Pk.)	*	*	*						8·7		
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*	7·8	*	*
Camden Square..			*						*	*	
Kensington Palace			*	50	39	33	3	1	*	63 (18h)	89
Hampstead Observatory ..	*	*	*						8·3	*	

ATMOSPHERIC POLLUTION.
Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1800 G.M.T. .....

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 12th ... h. ... m. to 13th ... h. ... m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris			
δ Ursae Minoris			

CODE FOR STATE OF GROUND.
0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2 ins. deep).
4 = Bare ground frozen (but more than 2 ins. deep).
5 = Dew (or wet grass but not wet ground).
6 = Rime or hoar frost to-day in 1900 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7 = Snow (thin layer, when not continuous).
8 = Snow (deep, impeding traffic, usually a continuous layer).
9 = Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.

Time.	Type.	No. per hour.	St. N.	Dir. S.
12h.	C	6	-	110
15h.	C, C_2	6	-	140
01h.	C, C_2	6	-	50
07h.	C, C_2	6	-	20

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

13th - 14th May, 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4·2	11·49	7·36
	4·0	11·49	7·38
Greenwich	4·13	11·56	7·39
	4·12	11·56	7·40
Wick	3·52	12·8	8·25
	3·50	12·8	8·27
Valencia	4·32	12·37	8·42
	4·30	12·37	8·44

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
jp precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
z unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

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; i = intermittent; - = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail".

Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
RR = continuous moderate rain.
r_0r_0 = continuous light rain.

SEA DISTURBANCE.

0 = no swell } Calm or slight sea.
1 = mod. swell }
2 = heavy swell }
3 = no swell } Moderate sea.
4 = mod. swell }
5 = heavy swell }
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea.

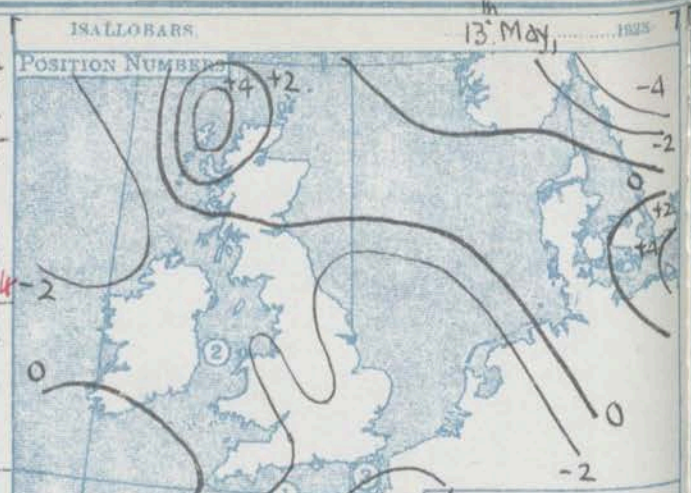
The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 33 feet above the ground.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

* For explanation see Introduction. ° Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-18h. 13th	WEATHER. 18h.-18h. 13th	WEATHER. 18h. 13th to 1h. 14th	WEATHER. 1h.-7h. 14th	TEMPERATURE. MAX. Day. 7h.-18h.	TEMPERATURE. MIN. Night. 18h.-7h.	TEMPERATURE. MIN. on GRASS	RAINFALL† Day. 7h.-18h. mm.	RAINFALL† Night. 18h.-7h. mm.	RAINFALL† Precipitation began.	RAINFALL† Precipitation began.	SUN. 13th Hours.
Lerwick	c	omr	omr	c	47	41	•	3	5	1530	2200	4·2
Stornoway	c	p	p	r.d	46	40	•	4	9	-	-	2.8
Wick	o.r.o	o ir	bir	oir	45	40	•	2	4	L0800	L2100	•
Castlebay	opbc	bchpo	oc	corro	47	41	•	0·3	8	-	-	9·2
Nairn	cqd	cqir	rgoc	cq	44	39	•	2	5	1100	L2100	0·0
Aberdeen	i.r.co	opr.o	ocoR	pR	44	38	34	01	4	L0800	2200	1·3
Malin Head	cPRv	PHRq	crphr	hrour	46	39	•	1	1	L0800	L2100	9·5
Renfrew	cvbcc	copH	bcpro	opd.	50	32	32	1	0·2	1430	-	10·9
Edinburgh(Inchkeith)	oip	p	c	r	44	39	36	0·2	1	L0800	0330	3·3
Leuchars	oo	o.r.o	opr bco	or	47	39	32	0·2	1	1430	L2100	0·1
Eskdalemuir	bcphsr	oprsc	beb	coro	47	32	28	1	2	1100	0200	10·1
Tynemouth	cm	bcp.	bbem	c	50	36	34	0·2	-	1330	-	•
Blacksod Point ...							•					•
Donaghadee	otlh	bcph	bc	bcqp	44	36	•	2	0·6	L0800	0330	•
Birr Castle	coPH	cPRH	copH	bc	47	38	26	2	1	L0800	L2100	*
Holyhead	cc vov	ovc	cpobc	bcc	46	40	39	0·2	Trace	1530	L2100	10·5
Liverpool (Bidston) ...	cbcph	cop			48	38	34	1	0·4	L0800	L2100	8·8
Chester (Shotwick) ...	oPHcph	cpH	obcb	bbR	51	36	30	1	Trace	L0800	L2100	8·5
Spurn Head	qsqr	p	c	c	44	39	•	0·4	-	1730	-	4·5
Birmingham (Edgbaston)	rhcp	p	b	be	49	34	32	0·2	-	0900	-	5·8
Nottingham	cp.	c p.	borb	c	51	34	28	trace	0.6	0400	L2100	6·8
Cranwell	pr	pr.	obocobr.	cbcb	49	34	31	1	0·4	1100	L2100	4·9
Gorleston	bbccq	qqrshi hbc	be1	bccw	52	36	30	2	-	1230	-	9·8
Valencia (Cahirciveen)	cphq	obpoc	cp	cp.	46	39	31	4	0·3	1730	L2100	3·5
Roches Point	cp	cp	cp.	bc	48	37		0·6	0·4	1100	L2100	
Pembroke (St.Ann's H.)	cq	cq	p	cqp	49	41	•	-	0.6	-	L2100	9·2
Ross-on-Wye	phbcvq	bcvcr.	p.r	cbvbcv	52	36	30	1	0·3	L0800	L2100	9·4
Benson	copr	pbc	o	or	34	31	29	0·2	1	-	2400	*
Andover	bcPRH	bccprcq	cbopro	orro	52	38	35	1	2	1100	L2100	10·4
S. Farnborough ...	bprdc	cpr	cbcco	oor	53	35	33	1	1	0900	0220	9·9
London (Kew Obsy.) ...	ciphtcPH	cbcpthr	bebo	ooro	49	40	34	4	2	1100	0330	9·9
Croydon	botlrhq	opbc	cbpr	borr	49	39	33	1	3	1100	L2100	10·0
Clacton-on-Sea ...	bccp	cpbc	bccp	cor	51	39	34	0·3	2	1100	L2100	9·4
Shoeburyness	p	ohcrcbr	ocbcx	copR	52	34	28	2	1	-	0130	9·5
Grain	boikq	opqkq	qk bb	bcor	50	39	32	1	1	1100	0330	9·2
Lympne	copth	cpthr	cq	b Rm	48	34	33	3	5	1230	0430	9·8
Scilly (St. Mary's) ...	bcq	bcq	cqr	cqp	52	44	•	0·1	4	1100	L2100	9·2
Falmouth (Pendennis)	bcpbc	bcpcr	copr	ocpr	52	42	•	0·2	5	1330	2200	10·3
Plymouth (Cattewater)	bccqy	cpho	opr	oro	49	42	41	0·3	4	L0800	L2100	8·8
Portland Bill	cbcq	bccq	cqp	oro	51	41	•	-	6	-	L2100	
Southampton (Calshot)	cpqbc	cpr c	c	ocorr	54	42	41	0·1	1	1100	2400	8·1
Dungeness	cRHq	qrhtl	p	oqrR	53	41	•	6	6	1230	L2100	
Jersey	bcphb	b	b	borr	52	45	•	0·3	2	0900	0430	10·0



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	12th 1000	Cambria	WNW	6	CY	47	48	7
1	12th 1200	Reindeer	WNW	7	PR-	48	51	8
3	13th 0200	Newhaven	W	6	R	44	50	

GENERAL INFERENCE.

The depression over the North Sea remains almost stationary, but secondaries are moving from West to East across the British Isles. Squally northwesterly winds with variable skies and thundery showers are probable in all districts with a low temperature.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Sunday, 13th May, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Squally westerly wind, fresh or strong; variable clouds, thundery showers of rain or hail; good visibility; cool, night frost in places.	Unsettled.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Squally wind between west and north; variable cloud with thundery showers of rain or hail; good visibility; cold, night frost inland.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0900 G.M.T. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.

SYNOPTIC CHART FOR MORNING OF SUNDAY, 13TH MAY, 1923

Scale - 1:10,000,000

Nautical Miles 100 0 100 200

Statute Miles. 100 0 100 200

Low Cloud.

TEMPERATURE
WEATHER.
SEA.

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

EXPLANATION

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Direction is shown by arrows flying with the wind.
Force, on the scale 0–12, is indicated by the number of feathers.
Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in °F.
WEATHER SYMBOLS: ○ clear sky, ◔ sky ¼ clouded; ◑ sky ½ clouded; ◕ sky ¾ clouded; ● overcast sky; • rain falling; ✱ snow; ✱ sleet; ▲ hail; ≡ fog; ∞ mist; ϒ thunder; K thunderstorm.
SEA DISTURBANCE: ~~~ Rough, ≈≈≈ High.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

0.	Dense fog. Objects not visible at	55	yards
1.	Rather thick fog " "	220	"
2.	Very bad " "	550	"
3.	Bad " "	1,100	"
4.	Very poor " "	1¼	miles.
5.	Poor " "	2½	"
6.	Moderate " "	5½	"
7.	Good " "	11	"
8.	Very good " "	33	"
9.	Excellent. "	beyond 33	"

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4. BRITISH SECTION.... Sunday, 13th May .....1923. No. 133...

Observations at 0100 G.M.T. 13th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Cloud. Sea. 0-9
Lerwick	993·4	+1	E	1	or	42	94	5	4000	Nb	10	-	10	*
Stornoway	996·4	-2	N	5	FR	*	*	5	*	*	*	*	*	*
Wick	993·9	0	N	2	o/r	41	94	8	1500	Nb	8	A St	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	999·5	-1	NW	6	c/r	43	85	8	4000	Cu Nb	7	-	7	*
Renfrew	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	993·1	0	WSW	5	c+	39	92	9	*	St Cu	8	-	8	*
Leuchars	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	993·0	0	W	1	b	39	85	7	-	-	0	-	0	*
Blacksod Point ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	1001·7	-1	W/N	5	b	42	92	8	2500	Cu	3	-	3	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1001·3	0	SW	5	bc	40	92	7	4000	St Cu	6	-	6	*
Birmingham (Edgbaston)														
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1003·0	-1	WSW	3	c+	39	92	7	2500	St	7	-	7	*
Gorleston	1005·1	0	SW/S	3	bl	39	92	8	4000	Cu	2	-	2	*
Valencia (Cahirciveen)	1004·4	0	NW	2	bc/R	43	94	8	*	St	4	-	4	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1005·3	-1	WNW	4	bc/p	44	93	8	2500	Nb	6	-	6	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	*	*	*	*	*	41	*	*	*	*	*	*	*	*
Croydon	1006·1	-1	SW	3	b	40	85	7	-	-	0	A Cu	1	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1006·4	0	W/S	3	b	38	92	8	4000	St Cu	2	-	2	*
Scilly (St. Mary's) ...	1004·3	-4	W	5	cR	46	92	7	4000	Nb	8	-	8	*
Falmouth (Pendennis)	1006·1	-3	W	5	cr	44	92	7	4000	Cu Nb	7	-	7	*
Plymouth (Cattewater)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1005·4	-3	W	6	cR	45	92	7	800	Cu	7	-	7	*
Southampton (Calshot)	1006·6	-2	W	4	o+	44	93	8	5700	St	9	-	9	*
Dungeness	1006·4	-1	NW	4	bc/r	43	92	8	-	-	0	A Cu	1	*
Jersey 7h }														
Guernsey 1h }														

Observations at 0700 G.M.T. 13th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Cloud. Sea. 0-9
Lerwick	995·5	0	E	3	bc	45	85	7	4000	Cu	3	A St	5	2
Stornoway	996·4	+1	N	5	orr	41	92	6	450	St	10	-	10	4
Wick	992·4	+2	NE	2	o/r	43	85	8	1500	Cu Nb	6	A St	9	0
Castlebay	996·4	0	N	3	o/r	43	85	8	800	Nb	10	-	10	5
Nairn	994·0	0	NW	2	c/r	41	92	8	4000	Cu	7	-	7	*
Aberdeen	991·4	0	WNW	3	c/r	41	94	7	1500	St Cu	7	-	7	0
Malin Head	994·2	-2	WNW	4	or	45	92	7	4000	Nb	6	A St	10	6
Renfrew	993·6	-1	W	1	o/r	43	85	8	1500	St Cu	5	A St	9	*
Edinburgh (Inchkeith)	992·9	0	W	3	o/r	39	92	8	*	St Cu	4	A St	10	2
Leuchars	992·6	0	W	1	c/r	40	92	8	2500	St Cu	9	-	9	*
Eskdalemuir	994·1	-1	SW/W	0	0	34	92	6	800	St Cu	10	-	10	*
Tynemouth	995·4	-2	SW	1	c	39	92	7	4000	St Cu	8	-	8	0
Blacksod Point ...	998·9	-1	W	4	c/p	42	85	8	2500	St	6	A St	8	4
Donaghadee	1000·8	*	W	3	bc	41	85	7	2500	Cu	2	Ci Cu	4	*
Birr Castle	1000·3	-1	W/N	6	c+	43	85	8	1500	Cu	2	A St	7	6
Holyhead	998·8	-2	WSW	6	c/r	42	85	9	4000	Cu	4	A Cu	8	7
Liverpool (Bidston) ...	1000·0	-3	SW/W	5	c+	43	93	8	2500	Cu	2	Ci	7	*
Chester (Shotwick) ...														
Spurn Head	999·8	-2	WSW	4	bc	41	85	7	-	-	0	A Cu	4	3
Birmingham (Edgbaston)	1001·5	-1	WSW	3	b	40	85	8	2500	St	1	Ci	2	3
Nottingham	1000·3	-2	WSW	4	b	42	85	7	1500	Cu	1	-	1	*
Cranwell	1000·8	-2	WSW	4	b	40	93	8	-	-	0	-	0	*
Gorleston	1002·9	-2	SW	3	c	39	92	6	4000	St Cu	7	-	7	1
Valencia (Cahirciveen)	1004·4	+4	WNW	4	c/r	42	93	7	1500	St Cu	8	-	8	3
Roches Point	1006·1	+2	WNW	4	bc+	44	92	8	4000	Cu Nb	9	-	9	0
Pembroke (St. Ann's H.)	1004·8	-1	WNW	4	bc	42	85	8	4000	Cu	6	-	6	*
Ross-on-Wye	1002·4	-2	SW	3	bc	43	93	9	4000	Cu	6	Ci	7	*
Benson...	1002·5	-3	W	3	c/r	41	94	8	*	St Cu	8	-	8	*
Andover	1003·0	-2	W/S	2	o/r	40	92	8	1500	St Cu	4	A St	9	*
S. Farnborough ...	1003·4	-3	W	3	o/r	41	94	8	1500	St	8	A St	10	*
London (Kew Obsy.) ...	1002·7	-2	S	2	0	42	92	7	2500	St	9	-	9	*
Croydon	1003·1	-1	SW	1	o/r	40	94	7	800	Nb	10	-	10	*
Clacton-on-Sea ...	1002·9	-2	W	3	o/r	41	92	7	1500	Nb	5	A St	10	2
Shoeburyness	1002·9	-2	W/S	1	o/R	41	85	8	1500	St	10	-	10	*
Grain	1003·0	-3	W	2	o/r	41	94	7	800	Nb	10	-	10	0
Lympne	1003·1	-4	W	3	o/R	41	94	6	450	Nb	10	-	10	*
Scilly (St. Mary's) ...	1005·8	0	NW	5	o/R	45	85	8	4000	Nb	9	-	9	5
Falmouth (Pendennis)	1006·8	+1	N	2	o/r	44	93	8	4000	Nb	10	-	10	0
Plymouth (Cattewater)	1004·2	0	WNW	3	0	43	85	8	4000	St Cu	2	A St	10	1
Portland Bill	1003·5	-2	W	5	o/r	43	92	6	450	St	10	-	10	4
Southampton (Calshot)	1003·3	-2	W	3	cr	42	92	7	1500	Nb	9	-	9	0
Dungeness	1003·2	-3	SW	5	OR	46	92	8	1500	Nb	10	-	10	5
Jersey 7h }	1003·0	-3	SW	4	orr	49	85	6	1500	Nb	10	-	10	6
Guernsey 1h }														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 12th May, 1923

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 11h-12h. °F.	Temperature. Max. Day. 12h. °F.	Rainfall.† Night 17h.-9h. 11h.-12h. mm.	Rainfall.† Day 9h.-17h. 12h. mm.	Sunshine. Sunrise to 17h. 12h. hr.	Sunshine. Sunrise to Sunset. 11h. hr.
Montrose			36	47	1	1	1·0	0·0
Llandudno	cbc	cpcb	37	48	6	0·2	7·2	0·9
Colwyn Bay ...	pc	c	36	49	7	-	7·7	1·0
Rhyl...	bch	bcc	40	49	2	2	1·1	4·7
Southport	cphcbc	bcbco	39	49	1	-	8·2	2·5
Blackpool	c	pq	38	50	1	0·3	9·3	0·6
Ilkley	bcbch	b	34	51	-	0·2	11·2	4·5
Harrogate	bbc	cohpb	34	49	-	1	7·7	5·9
Skegness	ocbcp	bcopc	35	49	1	1	9·0	5·1
Aberystwyth ...	+oc	b	38	48	7	-	8·0	4·5
Bath	bcph+	bbchp	36	52	-	1	9·0	8·5
Leamington Spa ...	c	cs	33	52	-	1	6·7	6·7
Lowestoft	bcdbcc	copr/r	36	52	1	2	8·2	8·0
Felixstowe	bcb	bc B Sto	36	52	-	-	9·3	9·0
Southend	cbc+s	c+s	35	51	0·2	2	7·7	7·7
Ilfracombe	cbc	bcco	39	48	1	-	10·4	6·6
Bude	c	p	44	52	3	1	5·4	4·4
Penzance	bc	bc	38	52	7	-	7·8	7·0
Paignton	bcqybc	hspcqbc	38	53	2	-	10·4	10·8
Torquay	b	c	39	54	1	-	10·2	10·4
Weymouth	bcpbc	bchc	37	55	-	0·1	10·4	10·6
Bournemouth ...	-	pc	37	55	-	0·3	10·5	10·3
Portsmouth (S'thsea)	bcrsp	bcrsp	37	54	-	1	10·4	9·7
Worthing	bc	+hc	37	52	-	3	8·5	9·0
Brighton	p	p	39	55	-	1	8·4	8·7
Eastbourne	bb	co	39	51	-	1	9·5	9·1
Hastings	bbcc	otgrhc	38	51	-	3	8·9	8·2
Folkestone	bc	p	38	53	1	1	6·6	6·8
Tunbridge Wells ...	bcopk	bcoth	34	51	1	2	8·2	7·6
Ramsgate	bpghc	cbco	35	50	1	-	6·4	6·6
Margate	b	opq	37	53	-	1	6·5	6·1
Deal	cbc	bcc	37	53	1	-	6·5	6·0

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm § For code see page 3. ‡ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION. No. B 22453 Monday, 14th May 1923. Page 1.

Observations at 1300 G.M.T. 13th — Observations at 1600 G.M.T. 13th

STATIONS.	1300 Barom. at M.S.L. m.b	1300 Change in 3 Hours.‡	1300 Wind. Direc.	1300 Wind. Force 0-12	1300 Weather.	1300 Temp. °F.	1300 Humidity. %	1300 Visibility. 0-9	1300 Cloud. Low. Height Feet	1300 Cloud. Low. Form	1300 Cloud. Low. Amt. 0-10	1300 Cloud. Upper Form.	1300 Cloud. Total Amt. 0-10	1300 State of ground.	1600 Barom. at M.S.L. m.b	1600 Change in 3 Hours.‡	1600 Wind. Direc.	1600 Wind. Force 0-12	1600 Weather.	1600 Temp. °F.	1600 Humidity. %	1600 Visibility. 0-9	1600 Cloud. Low. Height Feet	1600 Cloud. Low. Form	1600 Cloud. Low. Amt. 0-10	1600 Cloud. Upper Form.	1600 Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	995·6	+1	ESE	2	bc	46	75	8	4000	Cu	3	Ci St	6	•	995·5	0	N'E	2	bc	44	85	8	5700	St Cu	2	a St	6	1
Stornoway	999·2	+3	N	6	opr.	45	85	6	450	St	10	–	10	•	1001·0	+2	N	6	opr.	43	75	7	4000	Cu Nb	9	–	9	5
Wick	994·3	+2	NNE	3	o ⊕	47	85	8	2500	Cu Nb	5	Ci St	9	•	994·7	0	NNW	4	o R	43	97	8	1500	Cu Nb	8	Ci St	10	0
Castlebay	1000·8	+2	NNW	5	0	46	75	8	1500	St	10	–	10	•	1000·5	+3	NW	5	bc-	44	75	7	2500	St Cu	4	–	4	5
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*	997·5	*	NNW	3	opr.	43	92	8	2500	Nb	10	–	10	•
Aberdeen	994·4	+2	NNW	4	ojp	44	85	7	2500	Cu Nb	9	–	9	1	994·7	+2	NNW	4	ojp	45	85	8	1500	Cu Nb	5	Ci St	7	0
Malin Head	999·9	+6	NNW	7	or	47	92	7	4000	Nb	8	a St	10	•	1003·2	+3	N'W	7	bc/r	45	85	8	5700	Cu Nb	3	a Cu	5	7
Renfrew	995·3	+3	NW	3	o	54	55	8	5700	St Cu	9	Ci	10	0	996·8	+2	NW	3	o	50	65	8	4000	St Cu	5	a St	10	•
Edinburgh (Inchkeith)	994·5	+1	W	1	or.	47	75	8	–	Cu Nb	9	–	9	•	995·4	+2	NNW	4	o/r	47	75	8	–	–	0	Ci St	10	3
Leuchars	993·8	+2	ENE	2	o	49	65	8	4000	Cu Nb	7	Ci Cu	9	0	995·6	+3	NW	3	or or	44	85	7	1500	Nb	10	–	10	•
Eskdalemuir	993·9	+1	NNW	4	c	50	65	7	2500	Cu	8	–	8	0	995·8	+2	NNW	3	bc-	47	65	8	2500	St Cu	1	Ci St	6	•
Tynemouth	994·5	0	ESE	1	ojp	44	92	7	4000	Nb	8	–	8	•	995·3	0	N	1	c/r	48	85	7	4000	St Cu	4	Ci Cu	7	1
Blacksod Point														•														
Donaghadee	997·6	+1	N	3	c-	48	85	8	1500	Cu Nb	8	–	8	•	1000·9	+4	N	4	c+	47	85	8	800	Sc	8	–	8	4
Birr Castle	1003·5	*	NW	2	c –	49	65	8	4000	Cu	8	–	8	•	1003·6	*	NW	2	c/r	45	85	7	1500	Cu	5	Ci Cu	7	•
Holyhead	999·5	-1	W	4	ojp	46	92	8	1500	Nb	10	–	10	0	1000·0	+2	W'N	4	o-	47	85	8	4000	St Cu	8	a St	9	5
Liverpool (Bidston)	997·7	0	W'S	6	bc	49	65	8	1500	Cu	6	–	6	•	998·0	0	W'S	6	o/r	47	85	9	1500	St	10	–	10	7
Chester (Shotwick)	999·0	0	WSW	7	o	49	55	8	2500	Cu	9	–	9	1	999·0	0	WSW	4	or.	44	85	8	800	St	9	–	9	•
Spurn Head	996·7	-3	SW'W	7	ojp	48	75	7	4000	Cu Nb	7	–	7	•	996·7	0	WSW	7	o/r	45	92	6	800	Nb	10	–	10	4
Birmingham (Edgbaston)	1000·4	0	WSW	5	c	49	55	8	4000	Cu	7	–	7	•	999·2	0	W	6	c+	47	65	7	4000	Cu Nb	8	–	9	•
Nottingham	998·8	0	SW	5	o	49	65	7	800	Cu Nb	8	Ci St	10	•	999·1	+2	W	4	or	43	85	7	800	Nb	10	–	10	•
Cranwell	999·5	0	W	5	opr.	47	55	8	1500	Cu	8	Nb	10	0	999·8	+1	WNW	4	or	42	85	8	1500	Nb	10	–	10	•
Gorleston	1000·9	-1	WSW	3	c	52	55	7	4000	Cu	7	–	7	•	1000·5	0	WSW	4	bc	52	55	7	4000	Cu	8	–	5	•
Valencia (Cahirciveen)	1009·1	+3	NW	4	bc	48	65	9	2500	Cu	6	–	6	0	1011·0	+3	NNW	4	o	46	75	8	2500	St Cu	9	–	9	3
Roches Point	1005·1	0	WNW	5	c+	52	85	9	2500	Cu Nb	8	–	8	•	1007·5	+2	NW	5	o	46	92	9	4000	Cu Nb	9	–	9	0
Pembroke (St. Ann's H.)	1005·1	+1	W	5	bc	47	85	8	4000	Cu	6	–	6	•	1003·9	-2	W'S	6	ojp	48	75	8	4000	Nb	8	–	8	5
Ross-on-Wye	1002·3	0	W	4	bc	50	45	9	4000	Cu	6	–	6	0	1002·0	-1	WSW	6	o+	49	55	9	4000	Cu	5	a St	9	•
Benson	1002·4	0	WSW	3	bc	52	97 55	8	–	Cu	5	–	5	0	1002·1	0	W	4	bc	49	65	8	–	Cu	4	–	4	•
Andover	1002·8	0	W	5	bc-	52	55	8	4000	Cu	6	–	6	0	1003·3	0	W	6	b-	49	65	9	4000	Cu	2	–	2	•
S. Farnborough	1002·5	+1	WNW	4	c	53	55	8	2500	Cu	7	–	7	1	1002·6	+1	W	6	b-	51	45	9	4000	Cu	1	–	1	•
London (Kew Obsy.)	1002·5	0	SW	3	bc	51	55	8	4000	Cu	5	–	5	1	1002·8	+1	SW	4	bc	52	45	8	4000	Cu	4	Ci St	5	•
Croydon	1002·7	0	W'S	4	bc-	50	55	8	2500	Cu	5	–	5	0	1002·8	+2	SW'W	5	c+	51	55	8	4000	Cu	7	–	7	•
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1001·5	0	W	5	bc	50	55	7	2500	Cu	6	–	6	1
Shoeburyness	1001·8	-3	W	4	bc-	51	65	5	4000	St Cu	5	–	5	0	1002·1	+1	NW	4	bc-	51	55	7	2500	Cu	4	Ci	5	•
Grain	1001·9	0	WSW	5	c-	52	65	8	2500	Cu	7	–	7	1	1002·2	0	W	5	bc	50	65	8	2500	Cu	6	–	6	0
Lympne	1002·5	0	WSW	4	o	49	75	8	1500	Cu	8	A St	9	2	1003·2	+1	WSW	5	b-	48	75	8	2500	Cu	1	Ci	2	•
Scilly (St. Mary's)	1008·2	+3	NW	3	bc-	52	65	8	4000	Cu	3	A Cu	5	•	1008·6	0	WNW	5	bc	49	75	8	4000	Cu	3	A Cu	5	5
Falmouth (Pendennis)	1008·6	+1	NW	3	c/r	50	55	8	4000	Cu	7	–	7	•	1008·5	0	NW	4	bc	48	65	8	4000	Cu	6	–	6	5
Plymouth (Cattewater)	1006·4	+3	WNW	4	c	49	65	9	4000	Cu	7	–	7	0	1007·1	+1	W	5	bc	49	65	8	4000	St Cu	4	–	4	0
Portland Bill	1004·1	+2	W'S	5	bc-	51	75	7	–	–	•	Ci Cu	4	•	1005·1	+3	W'S	5	bc	50	85	7	–	–	0	Ci Cu	4	5
Southampton (Calshot)	1004·2	+2	SSW	5	c/r	50	65	8	4000	Cu	7	Ci	8	0	1004·4	+1	W'N	6	b-	51	55	8	4000	Cu	3	–	3	0
Dungeness	1003·1	0	SW	5	c/r	50	75	8	4000	Cu	5	Ci	7	•	1003·2	0	WSW	5	b	50	75	8	–	–	0	A Cu	2	5
Jersey	1006·9	+1	SW	4	o/r	49	75	6	1500	Nb	10	–	10	•	1007·6	0	W	4	o	49	65	8	4000	St Cu	10	–	10	6

LONDON OBSERVATIONS.

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 21h. G.M.T. %
	24 HOURS ENDED 0900 G.M.T. 14th								YESTERDAY.		TO-DAY.
Kew } 24 hours ended 0700	ow bc bd	bc yc i' bd	bc c o' r	•	•	36	-	0·3	7·6	•	•
Croydon } 24 hours ended 0700	o[a, w e	bc e y q	c y q b	•	•	36	r	-	8·9	•	•
Greenwich (Royal Obsy.)	oc	c d r h r s	c r bc	57	40	34	r	r	6·4	55	70
City (Bunhill Row)	•	•	•	•	•	•	•	•	5·1	•	•
Westminster (St. James' Pk.)	•	•	•	56	41	36		0·3	6·3	65	66
Regent's Pk. (Botanic Gdns.)	•	•	•	•	•	•	•	•	6·2	•	•
Camden Square			•						•	•	
Kensington Palace	obc	bc b	•	56	41	31	0·3	-	•	53 (18h.)	65
Hampstead Observatory	•	•	•	53	39	33	r	r	6·1	•	68

ATMOSPHERIC POLLUTION.
Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T.

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 13th 21h 00m to 14th 03h 00m

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	6·0	3·0	50
ζ Ursae Minoris	6·0	2·40	44

CODE FOR STATE OF GROUND.
0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2 ins. deep).
4 = Bare ground frozen (but more than 2 ins. deep).
5 = Dew (or wet grass but not wet ground).
6 = Skating to-day in 1200 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7 = Snow (thin layer, often not continuous).
8 = Snow (deep, impeding traffic, usually a continuous layer).
9 = Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per ½ hr.	Stress.	Direc.
13h.	C, C2	6	-	50
18h.	C, C2	6	-	50
01h.	C, C2	6	-	160
07h.	C	5	-	150

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

13th & 14th May, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4·0 / 3·59	11·44 / 11·59	4·55 / 4·59
Greenwich	4·12 / 4·10	11·26 / 11·26	4·50 / 4·42
Wick	3·50 / 3·43	12·8 / 11·8	8·24 / 8·19
Valencia	4·20 / 4·18	12·24 / 12·24	8·24 / 8·25

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
ip precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
x unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

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; i = intermittent; – = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail".

Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
RR = continuous moderate rain.
roro = continuous light rain.

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

SEA DISTURBANCE.

0 = no swell	Calm or slight sea.
1 = mod. swell	
2 = heavy swell	
3 = no swell	Moderate sea.
4 = mod. swell	
5 = heavy swell	
6 = rather rough sea.	
7 = rough sea.	
8 = very rough sea.	
9 = mountainous sea.	

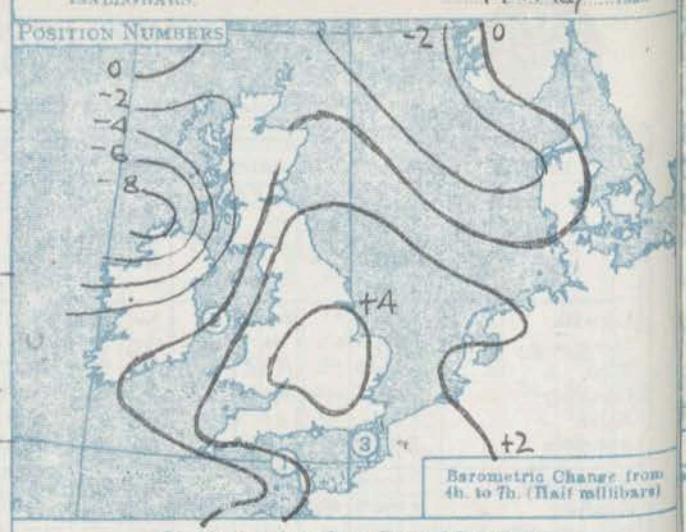
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 13th	WEATHER. 13h.-18h. 13th	WEATHER. 18h. 13th to 1h. 14th	WEATHER. 1h.-7h. 14th	TEMPERATURE. MAX. Day. 7h.-18h.	TEMPERATURE. MIN. Night. 18h.-7h.	TEMPERATURE. MIN. on GRASS	RAINFALL.† Day. 7h.-18h. mm.	RAINFALL.† Night. 18h.-7h. mm.	RAINFALL.† Precipitation began.	RAINFALL.† Precipitation began.	SUN. 13th: Hours.
Lerwick	c	c	0m	0mr	47	40	•	-	3	-	<2100	8.5
Stornoway	p	0.cpr	bbc	00	46	34	•	3	0.3	1730	-	2.0
Wick	opr$_0$	0ir	0rrc	c	48	35	•	3	4	<0800	<2100	•
Castlebay	0b0q	0q bcq	bcq b0	0rr	48	40	•	0.2	2	-	-	4.2
Nairn	cpq	iR0	bcbc	cbc	49	37	•	4	0.4	<0800	<2100	1.6
Aberdeen	prh. pr	cpr$_0$.c	c0pr	0b	48	36	31	2	2	<0800	<2100	3.1
Malin Head	0rr ir	PHRV	cqv	cq ir	47	39	•	2	1	<0800	0330	3.2
Renfrew	0id$_0$c.	cyv0	00	00r d$_0$	56	35	28	trace	0.3	-	0630	6.6
Edinburgh(Inchkeith)	cmr.	00ir$_0$	00ir$_0$	cm	51	37	33	0.2	0.1	1100	-	5.0
Leuchars	opr$_0$.c.	c.0p$_0$r$_0$2h	0r$_0$b	bbcc	53	35	26	1	0.5	<0800	<2100	4.1
Eskdalemuir	op$_0$c.	0P.c	bc0d	cd0c0	51	32	29	2	0.6	<0800	<2100	4.2
Tynemouth	p$_0$	cp$_0$	0irm	cm	48	38	35	1	1	0900	2200	•
Blacksod Point							•					•
Donaghadee	cq/p	0q	bcq	0	50	36	•	1	-	<0800	-	•
Birr Castle	bcc0	cPRq	cpr$_0$	cpr	50	36	30	5	1	1430	<2100	•
Holyhead	c.c.0	q/R0	0phcq	bcc0	50	42	41	2	1	1330	<2100	6.8
Liverpool (Bidston)	p	p	bcq	bcq	51	42	39	0.4	-	1330	-	5.0
Chester (Shotwick)	cp.T$_0$0q	0q0r$_0$	cpr	cpr	53	42	39	0.1	1	0900	2400	7.5
Spurn Head	p	q0rr	c0bbc	c	49	41	•	2	-	1230	-	6.1
Birmingham (Edgbaston)	b or bc	c	c bbc		51	39	37	-	0.2	-	<2100	8.2
Nottingham	cp$_0$	00r	r$_0$rc	bbc	52	40	35	1	2	1100	<2100	5.3
Cranwell	c.0pr.	0pr	bc b	c	51	38	35	0.1	0.2	1100	<2100	7.0
Gorleston	bc.c.	bcq	c0	0cq	55	41	36	-	-	-	-	9.5
Valencia (Cahirciveen)	bc	bc.0p	0cpbc	bcc	50	44	37	1	0.1	-	<2100	8.0
Roches Point	cb0pr$_0$	cp0	0c0	00	53	41		1	-	<0800	-	
Pembroke (St. Ann's H.)	c	c	cq/p	c	48	43	•	-	0.2	-	<2100	5.8
Ross-on-Wye	bcvy	bcvy cV	0vPcbbc	bccbc	53	39	33	-	1	-	<2100	11.4
Benson	bc	bcbq	cb0r	0c	55	36	N	1	2	-	2200	•
Andover	0.c.bcy	bc.c.bq/	bbcc	cbwb	53	35	31	-	trace	-	-	9.8
S. Farnborough	0.cy	c.bcyV	bc0	0cbc	57	38	34	-	trace	-	-	8.8
London (Kew Obsy.)	mbc.cbbc	bcycjrbcy	bicc0Pb	bc0w	54	41	36	-	0.3	-	2200	7.6
Croydon	0r$_0$p0mzy	bccyq/	cyq/b	bc0	54	40	36	trace	-	1230	-	8.9
Clacton-on-Sea	0.c.bc	bcy	bc	bcc	55	41	37	-	-	-	-	6.5
Shoeburyness	0.c.bc	c	bc	cmc	54	41	36	0.1	-	0900	-	6.9
Grain	ir0.c	cp0.c	cbb	bb	54	39	35	0.2	-	<0800	-	5.8
Lympne	Rr mv.	0pr. ph	b	bx	51	37	32	6	trace	<0800	-	6.5
Scilly (St. Mary's)	c.bc	bcq	bccq/b	cq/b0	53	42	•	0.4	1	<0800	<2100	8.7
Falmouth (Pendennis)	0pr.bc	bc	bc0pr	bcb	52	42	•	0.6	2	<0800	<2400	10.5
Plymouth (Cattewater)	0.cV.	c.bcV	bc0r	0/bc	51	44	39	-	2	-	2200	10.5
Portland Bill	0.c.bc	bcbc	bc	bbc	53	44	•	0.2	-	-	-	•
Southampton (Calshot)	P	hcrrh	bbcb	b	55	41	36	0.3	-	1100	-	7.8
Dungeness	P	c	bbc	bbc	52	43	•	8	-	<0800	-	•
Jersey	0r.r.0	c	0cb	0b0	52	44	•	4	1	0900	0430	0.6

ISALLOBARS. 14th May 1923



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility
2	13th 1000	Hibernia	W	5	bv	51	48	?
3	14th 0300	Brighton	WNW	5	bcr	51	54	8

GENERAL INFERENCE.

The depression off the Hebrides is likely to move southeast causing some rain or showers in all districts, temperature continuing low for the time of year.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Monday, 14th May, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England	Wind S.W., veering W. or N.W., moderate or fresh, strong in places; becoming dull with some rain, then variable cloud and showers; visibility mainly good; cold.	Unsettled, with temperature below normal for time of year.
6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind S.W., or S., then northwesterly, moderate or fresh, strong in places; much cloud, some rain, snow on high ground, then variable cloud and showers; visibility mainly good; cold.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Wind indefinite to northerly, mainly light or moderate; bright periods, occasional showers of rain, hail or sleet; visibility good; cold.	
14. N. & N.W. Scotland 15. Hebrides	Wind indefinite to NW. or N., fresh, strong in places; much cloud, some rain, snow on high ground; then variable cloud and showers; visibility mainly good; cold.	
16. Orkneys and Shetlands	As 11.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 7 - 10.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0925 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.

SYNOPTIC CHART FOR MORNING OF MONDAY, 14TH MAY, 1923.

Scale - 1:10,000,000

Nautical Miles 100 0 100 200

Statute Miles 100 0 100 200

Low Cloud.

TEMPERATURE
WEATHER.
SEA.

Barometer Falling

"METAGAMA" 15 48 Sea 49 Fair

Barometer Falling

"SCYTHIA" 27 49 Sea 53 Rain

HIGH

Barometer Rising Slowly

H. 0 32 Fine

15 36 Ocast

0 36 Snow

42 37 Fair

Barometer Rising Slowly

15 43 Ocast

43 Fine 5

Barometer

2 43 Ocast

45 Cloudy LOW 992

994

45 Rain 2

992

LOW

996

39 5 Ocast

Barometer

LOW

Falling Rapidly

27 43 Rain

10 42 Fine

40 5 Rain

992

Falling

LOW

41 Rain 10

994

996

Slowly

27 43 Showers

1000

2 42 Fair

1002

40 Rain 5

45 Ocast 15

44 Fair 10

21 48 Cloudy

1004

1006

15 44 Cloudy

Barometer

5 45 Ocast

15 40 Fine

1008

1010

21 48 Fair

10 47 Ocast

10 46 Fine

43 Rain 5

5 48 Ocast

Rising.

5 52 Rain

54 Cloudy 15

1012

5 46 Cloudy

5 55 Ocast

52 0 Ocast

5 54 Showers

1014

54 Ocast 2

0 55 Ocast

1018

1016

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

EXPLANATION

BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. Direction is shown by arrows flying with the wind. Force, on the scale 0–12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.

TEMPERATURE is given in °F.

WEATHER SYMBOLS: ○ clear sky, ◔ sky ¼ clouded; ◑ sky ½ clouded; ◕ sky ¾ clouded; ● overcast sky; • rain falling; ✱ snow; ✱ sleet; ▲ hail; ≋ fog; ⎓ mist; ϒ thunder R thunderstorm.

SEA DISTURBANCE: ~~~ Rough, ≈≈≈ High.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

0.	Dense fog. Objects not visible at	55	yards
1.	Rather thick fog " "	220	"
2.	Very bad " "	550	"
3.	Bad " "	1,100	"
4.	Very poor " "	1¼	miles.
5.	Poor " "	2½	"
6.	Moderate " "	6½	"
7.	Good " "	12½	"
8.	Very good " "	31	"
9.	Excellent. "	beyond 31	"

M.O.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Monday 14th May 1923. No. 134.

Observations at 0100 G.M.T. 14th — Observations at 0700 G.M.T. 14th

STATIONS.	0100 Barom. at M.S.L. m.b	0100 Change in 3 Hours.‡	0100 Wind. Direc.	0100 Wind. Force 0-12	0100 Weather.	0100 Temp. °F.	0100 Humidity. %	0100 Visibility.‡ 0-9	0100 Cloud. Height Feet	0100 Cloud. Low. Form	0100 Cloud. Low. Amt. 0-10	0100 Cloud. Upper Form.	0100 Cloud. Total Amt. 0-10	0100 Sea. 0-9	0700 Barom. at M.S.L. m.b	0700 Change in 3 Hours.‡	0700 Wind. Direc.	0700 Wind. Force 0-12	0700 Weather.	0700 Temp. °F.	0700 Humidity. %	0700 Visibility.‡ 0-9	0700 Cloud. Height Feet	0700 Cloud. Low. Form	0700 Cloud. Low. Amt. 0-10	0700 Cloud. Upper Form.	0700 Cloud. Total Amt. 0-10	0700 Sea. 0-9
Lerwick	995.4	-1	NW	1	o|p	41	92	6	4000	St.Cu	10	-	10	•	994.5	-2	NW	1	c|p	43	85	7	4000	Nb	5	Ci	7	0
Stornoway	1001.2	-2	N	3	o-r	•	•	S	•	•	•	•	•	•	996.8	-2	ESE	2	c	39	92	6	800	St	10	-	10	1
Wick	996.1	+1	NW	2	bc|r	39	92	8	2500	CuNb	6	-	6	•	995.2	-1	WNW	1	b	41	92	8	4000	CuNb	2	Ci.Cu	3	1
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•	995.6	-4	SSW	2	o|r	42	92	7	800	Nb	10	-	10	3
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•	997.2	•	NW	1	bc	43	75	8	4000	Cu	3	ACu	5	1
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•	997.7	+1	NW	3	b	42	75	7	-	-	0	Ci	1	0
Malin Head	1004.9	-1	W'N	6	bc	43	85	9	5000	CuNb	5	Ci.Cu	6	•	997.7	-8	SW	6	o|r	43	97	7	4000	Nb	7	AST	9	4
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1000.1	-1	WSW	2	o|r	40	92	7	1500	Nb	7	AST	10	•
Edinburgh(Inchkeith)	999.5	+3	NW	3	o|r	42	65	9	-	St.Cu	3	AST	9	•	999.4	0	WSW	4	NW	40	75	6	-	St	6	Cu.St	10	3
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•	999.9	0	SW	3	c|r	43	65	8	-	-	0	Cu	1	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1001.3	+3	SSW	2	o	38	75	7	1000	St.Cu	6	AST	10	•
Tynemouth	998.1	+2	NW	1	o|p	43	92	7	4000	Nb	10	-	10	•	1000.1	+2	W	1	bc	42	85	6	-	-	0	ACu	6	0
Blacksod Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1000.7	-1	WSW	4	c	40	85	8	800	Cu	2	AST	10	4
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1006.8	•	SW	2	o|r	40	92	7	2500	Nb	3	-	3	0
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1004.6	+2	WSW	3	o	42	85	8	4000	Cu	1	AST	10	6
Holyhead	1003.4	+3	NNW	6	c|r	45	85	8	2500	Cu	4	~~Asc~~	4	•	1004.6	+2	WSW	3	bc	44	65	8	2500	Stcu	5	-	5	7
Liverpool (Bidston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1004.6	+2	W	5	bc	44	65	8	2500	Stcu	3	Ci	8	•
Chester (Shotwick)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1004.8	+3	WNW	4	c|r	44	65	8	4000	Stcu	3	Ci	8	•
Spurn Head	998.7	0	WSW	5	o+	42	97	5	1500	St	10	-	10	•	1002.1	+1	W'N	4	o	44	92	6	1500	Stcu	10	-	10	3
Birmingham (Edgbaston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1003.9	+1	WNW	4	c-	42	85	6	2500	Stcu	8	-	8	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1003.7	+5	W	3	bc	44	75	6	2500	Cu	5	-	5	•
Cranwell	1001.1	+1	WS	4	b-	40	92	7	2500	St	1	-	1	•	1003.8	+5	NW	4	o	43	85	6	1500	Stcu	10	-	10	•
Gorleston	1002.0	+1	WS	3	o	44	85	7	5700	St.Cu	10	-	10	•	1002.9	+1	WS	4	c+	44	85	6	5700	CuNb	8	-	8	1
Valencia (Cahirciveen)	1002.8	+1	N	3	c	47	92	8	-	St	7	-	7	•	1010.1	-3	WSW	5	c+	47	75	8	2500	St.Cu	5	Asc	8	2
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1009.5	-1	WSW	4	o	44	92	8	-	-	0	Asc	10	3
Pembroke(St.Ann's H.)	1001.4	+3	NW	4	kj|b	45	75	8	2500	Nb	6	-	6	•	1005.8	+2	NW	4	c	44	75	8	4000	Cu	7	-	7	4
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1007.3	+4	WNW	3	bc	45	65	8	4000	Cu	3	Ci	5	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1007.2	+4	WNW	3	c|r	43	85	7	-	Cu	7	-	7	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1006.6	+3	W'N	4	b	45	85	8	4000	Stcu	1	-	1	•
S. Farnborough	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1006.8	+4	W'N	3	c	46	75	8	4000	Cu	1	A.Cu	8	•
London (Kew Obsy.)	•	•	•	•	•	43	•	•	•	•	•	•	•	•	1006.7	+4	WSW	2	o-	45	85	7	2500	Stcu	5	A.Cu	9	•
Croydon	1004.3	+1	SW	3	b	42	85	7	-	-	0	Ci.St	2	•	1006.5	+3	WSW	3	o+	45	85	7	2500	Stcu	9	-	9	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1004.2	+2	W	4	-	45	75	7	4000	Cu	8	-	8	0
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1005.1	+2	WNW	4	c|r	46	75	7	4000	Cu	8	-	8	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1006.5	+3	W	5	b-	46	85	6	-	-	0	ACu	1	0
Lympne	1004.6	+1	W	4	b	39	85	8	4000	Stcu	2	-	2	•	1005.7	+2	WNW	4	b	43	85	8	2500	Cu	2	-	2	•
Scilly (St. Mary's)	1010.5	+1	NW	4	cPR	45	85	8	4000	CuNb	7	-	7	•	1011.5	+2	WNW	5	bc	48	75	8	4000	Cu	3	A.Cu	6	4
Falmouth (Pendennis)	1004.4	+1	NW	4	o|r	45	92	8	2500	CuNb	9	-	9	•	1012.8	+2	NNW	3	c-	46	75	7	4000	CuNb	7	Ci	5	0
Plymouth(Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1010.0	+2	NW	4	bc	47	75	8	2500	Stcu	4	Ci.Cu	3	0
Portland Bill	1006.0	0	W'N	5	b-	46	85	7	-	-	0	Ci.Cu	3	•	1008.0	+4	W	5	b	47	92	7	-	-	0	Ci.Cu	3	0
Southampton(Ca.shot)	1005.7	0	WSW	4	b	45	75	8	2500	Cu	2	-	2	•	1007.3	+2	WNW	5	b	47	75	8	5700	St.Cu	1	-	1	0
Dungeness	1004.4	+1	WSW	5	b	46	75	8	-	-	0	Ci.Cu	2	•	1006.2	+3	WNW	3	b	47	85	8	[illegible]	[illegible]	8	Ci.Cu	10	3
Jersey 7h / Guernsey 1h														•	1008.3	0	W	3	o|r	47	85	7	1500	Stcu	10	-	10	4

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 13th

STATIONS.	WEATHER. Fore-noon.	WEATHER. After-noon.	TEMPERATURE. Min. Night. 12h to 13h. °F.	TEMPERATURE. Max. Day. 13h. °F.	RAINFALL.† Night 17h.-9h. 12h-13h. mm.	RAINFALL.† Day 9h.-17h. 13h. mm.	SUNSHINE. Sunrise to 17h. 13h. hr.	SUNSHINE. Sunrise to Sunset. 13h. hr.
Montrose	*	*	38	50	0.4	1	3.1	1.0
Llandudno	c	cr.o	40	50	-	2	4.5	8.6
Colwyn Bay	cp	Tc	38	50	-	3	?	7.7
Rhyl	bc	bcp	36	51	-	2	6.1	9.9
Southport	opc or	T.o.c.o	41	47	3	2	0.9	8.2
Blackpool	cp.	o|p.c	39	46	1	4	0.2	9.3
Ilkley	omR	Tc.o|p.c	34	46	6	16	3.7	12.4
Harrogate	or.b	or.c.	33	44	2	10	1.7	9.0
Skegness	bc.o	bc.o	34	51	0.1	1	7.7	10.3
Aberystwyth	T.c.	c.bc	38	50	2	-	8.0	8.0
Bath	bc.b	bc.b	38	62	2	-	8.8	10.2
Leamington Spa	-	-	36	53	-	-	9.8	6.9
Lowestoft	o.c.	c.bc	36	56	-	-	7.0	9.3
Felixstowe	o	bc	39	55	-	-	5.3	10.3
Southend	o.c.	bc	39	55	1	-	6.0	7.4

STATIONS.	WEATHER. Fore-noon.	WEATHER. After-noon.	TEMPERATURE. Min. Night. 12h-13h. °F.	TEMPERATURE. Max. Day. 13h. °F.	RAINFALL.† Night 14h.-15h. mm.	RAINFALL.† Day 9h.-17h. 13h. mm.	SUNSHINE. Sunrise to 17h. 13h. hr.	SUNSHINE. Sunrise to Sunset. 13h. hr.
Ilfracombe	cbc	bc.c.o	42	49	5	-	10.3	10.9
Bude	c.bc	bc	41	51	11	0.2	8.9	8.1
Penzance	c.bc	c.bc	43	53	8	-	9.0	9.7
Paignton	c.bc.c	bc|p/bc|p	42	57	5	-	8.7	10.7
Torquay	b	b	42	57	5	-	8.9	10.6
Weymouth	o.bc	bc	41	55	4	-	7.7	10.0
Bournemouth	or.	b.bc	41	55	3	0.3	6.0	11.5
Portsmouth (S'thsea)	or.o.b	bc.r|p	42	55	5	1	6.0	11.1
Worthing	r.o.	bc	42	53	10	1	5.8	9.2
Brighton	r.o.b	b	42	52	10	1	6.1	9.1
Eastbourne	or.bc	bc	41	52	12	3	6.2	9.6
Hastings	oR.o	o.c.bc.b	41	51	12	3	5.0	9.1
Folkestone	r	bo	38	52	10	4	4.9	7.6
Tunbridge Wells	o.bc	o|p.bc	38	54	3	Trace	5.5	9.7
Ramsgate	bc|p.bc	bc.b	38	54	4	2	3.7	6.4
Margate	?	?	39	54	0.3	-	5.0	6.5
Deal	or|r/q	T.c.bc	39	53	6	3	5.0	7.0

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm ‡ For code see page 2 ‡ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22454 TUESDAY 15TH MAY 1923.

Observations at 1300 G.M.T. 14th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.* 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	995·6	+2	-	0	or≤%	43	92	6	4000	Nb	10	-	10	•
Stornoway	997·1	0	ENE	4	bc	45	75	7	4000	Cu	4	-	4	•
Wick	996·9	+1	NW	1	c	43	65	8	5700	Cu	5	Ci.St	7	•
Castlebay	996·9	0	W	3	c/r	43	85	8	1500	Cu Nb	7	-	7	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	998·1	-1	S	3	0⊕	47	75	7	2500	Cu	6	Ci.St	10	0
Malin Head	995·5	-1	WSW	6	bc	49	85	8	5700	Cu Nb	3	Ci.Cu	4	•
Renfrew	998·1	-1	SW	4	or≤%	46	85	6	1500	Nb	10	-	10	1
Edinburgh (Inchkeith)	997·6	-2	WSW	4	c≤	46	75	7	*	Cu	5	Ci.St	8	•
Leuchars	997·9	-1	S	1	or≤%	46	75	7	2500	Cu Nb	9	-	9	•
Eskdalemuir	999·9	-2	WSW	5	drH	37	85	8	1500	Nb	10	-	10	1
Tynemouth	1000·5	-1	W	2	cpr≤	49	75	6	-	Cu Nb	8	-	8	•
Blacksod Point	999·9	-1	W	5	0	47	75	7	*	Cu Nb	10	-	10	•
Donaghadee	1000·0	-3	WSW	4	c+	50	75	8	1500	Cu Nb	7	-	7	•
Birr Castle	1002·5	*	SW	1	cr	46	85	7	4000	Nb	9	-	9	•
Holyhead	1003·5	-3	S'W	6	OR	46	92	6	1500	Nb	10	-	10	2
Liverpool (Bidston)	1004·0	-1	SW	4	0	48	85	8	1500	St.	10	-	10	•
Chester (Shotwick)	1004·9	0	SW	5	c/r	50	85	8	2500	St.	10	-	10	1
Spurn Head	1004·3	+2	W	4	0	50	85	7	-	-	0	A.St	10	•
Birmingham (Edgbaston)	1006·2	0	WSW	5	0⊕	50	85	7	4000	Cu Nb	6	Ci.St	9	*
Nottingham	1005·4	+1	W	4	c	51	85	6	2500	St.Cu	2	A.St	10	•
Cranwell	1006·0	+2	W'S	4	c	50	85	7	2500	Cu	4	A.St	10	0
Gorleston	1006·2	+3	SW'W	2	c	51	85	6	4000	Cu	8	-	8	•
Valencia (Cahirciveen)	1006·5	-4	WSW	6	or	+7	85	7	1500	St.	7	A.St	10	1
Roches Point	1006·2	-4	WSW	5	6r≤	47	85	8	5700	Nb	10	-	10	3
Pembroke (St. Ann's H.)	1008·3	-2	SW	5	0	48	85	8	4000	Cu	4	A.St	9	•
Ross-on-Wye	1007·4	0	W'S	3	0	50	85	8	4000	Cu	4	A.St	10	0
Benson	1007·7	0	W	3	c	54	55	8	*	Cu	7	-	7	0
Andover	1008·0	-1	W	5	c+	53	55	8	5700	Cu	6	Ci	7	0
S. Farnborough	1007·8	0	W	3	0	56	55	7	7200	Cu	9	-	9	0
London (Kew Obsy.)	1007·8	+1	SW	3	bc	53	45	6	2500	Cu	5	Ci	6	1
Croydon	1007·2	+1	W'S	3	0	53	55	8	2500	Cu	8	Cu.St	9	0
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1007·8	+3	W'S	2	mist	55	55	6	4000	St.Cu	6	-	6	*
Grain	1008·0	+2	W	4	0+	52	55	8	2500	St.Cu	9	-	9	0
Lympne	1008·2	+1	WSW	3	c	51	65	8	4000	Cu	8	-	8	0
Scilly (St. Mary's)	1011·9	+1	W'N	5	c+	53	65	8	4000	Cu	4	A.Cu	7	•
Falmouth (Pendennis)	1011·3	-1	W	6	bc	50	65	8	4000	Cu	6	-	6	•
Plymouth (Cattewater)	1010·7	0	W	5	cpr≤	51	65	8	4000	Cu Nb	8	-	8	•
Portland Bill	1009·4	+2	W	4	b	51	85	7	-	-	0	Ci.Cu	3	•
Southampton (Calshot)	1009·2	+1	WSW	4	c	54	55	8	4000	Cu	5	Ci	7	0
Dungeness	1008·6	+1	SW	4	bc≤	54	55	8	2500	Cu	5	-	5	•
Jersey	1012·1	+2	W	3	b/r	53	65	8	4000	St.Cu	2	-	2	•

Observations at 1800 G.M.T. 14th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.* 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	997·2	+3	NE	2	c/r	44	85	8	4000	Cu Nb	5	Ac.Cu	8	1
Stornoway	998·8	+1	ENE	2	bc.	45	75	8	4000	Cu	2	-	2	0
Wick	997·8	+2	ENE	-	0	45	75	9	5700	St.Cu	10	-	10	2
Castlebay	996·2	+1	N	2	bc/r	42	85	8	2500	Cu	3	Ast	3	0
Nairn	997·0	*	E	2	bc	47	75	8	1500	Cu	6	-	6	4
Aberdeen	998·4	0	S'W	1	o/r	44	85	6	2500	St.Cu	6	Ast	9	0
Malin Head	994·7	-1	SW	4	c≤%	43	97	8	5700	Cu Nb	4	C.Cu	7	4
Renfrew	997·3	-1	SSW	1-3	o/r	47	75	8	2500	St.Cu	3	-	3	•
Edinburgh (Inchkeith)	996·0	+1	SW	4	0	42	92	8	*	St	10	Ast	10	•
Leuchars	997·4	0	S	4	or	46	75	7	1500	Cu Nb	89	-	10	1
Eskdalemuir	996·7	-1	SW'S	5	or	40	85	6	1500	Nb	10	-	10	1
Tynemouth	1000·5	0	W	3	cpr≤	47	85	6	4000	Cu Nb	8	-	8	0
Blacksod Point	999·1	-1	W	5	drH	44	75	7	*	Cu Nb	10	-	10	5
Donaghadee	998·5	-1	WSW	3	c≤r	46	85	8	1500	St	5	Ac	9	3
Birr Castle	1000·1	*	W	2	or	40	97	6	2500	Nb	9	-	9	•
Holyhead	1000·4	-3	S'W	5	o/p	47	85	7	4000	St Cu	10	-	10	5
Liverpool (Bidston)	1001·8	-2	SW	5	o/p	48	75	8	1500	St	10	-	10	6
Chester (Shotwick)	1002·5	-2	SW'S	4	o/p	47	65	8	1500	St Cu	8	Ast	10	•
Spurn Head	1004·7	0	WSW	4	c	50	65	7	4000	Cu	4	Cu	7	4
Birmingham (Edgbaston)	1005·2	-2	SW	4	o/p	48	65	8	4000	Nb	4	Ast	6	•
Nottingham	1004·5	-1	SW	4	0	47	75	8	2500	Nb	4	Cu.St	6	•
Cranwell	1005·4	-1	SW	4	0	50	85	8	2500	St Cu	7	Ast	9	1
Gorleston	1007·0	+1	SW'W	2	bc.	53	65	6	5700	Cu	5	-	5	•
Valencia (Cahirciveen)	1004·3	-1	WSW	4	o≤	46	85	7	1500	St	7	Ast	10	6
Roches Point	1004·1	-4	W	3	0r≤	46	92	8	5700	Nb	10	-	10	3
Pembroke (St. Ann's H.)	1005·5	-3	WSW	6	0p≤	46	85	8	2500	Nb	10	-	10	5
Ross-on-Wye	1006·5	-1	SW	4	0	47	65	8	2500	Nb	3	Ast	10	•
Benson	1006·9	0	WSW	3	c+	50	55	8	*	Cu	1	Cu.St	7	•
Andover	1007·1	0	WSW	4	0+	51	55	8	4000	St Cu	4	Cu.St	10	•
S. Farnborough	1007·9	0	WSW	4	0⊕	52	55	8	4000	Cu	6	Cu.St	10	•
London (Kew Obsy.)	1007·1	-1	WSW	3	c/p	53	45	8	2500	Cu	6	Ci	8	•
Croydon	1008·1	0	WSW	4	0+	51	55	7	4000	Cu	7	Cu.St	9	•
Clacton-on-Sea	1007·1	0	WSW	3	c	53	55	6	4000	Cu	9	Ci	7	0
Shoeburyness	1007·9	0	W	2	o/p	53	55	7	7200	St Cu	1	Ci	7	0
Grain	1007·7	0	WSW	5	bc.	53	55	8	4000	St Cu	4	Ci	6	0
Lympne	1008·0	+1	SW	4	b.	49	65	8	4000	Cu	2	Cu.St	6	0
Scilly (St. Mary's)	1010·0	-3	W	6	0	49	75	8	4000	Cu	3	Ast	10	6
Falmouth (Pendennis)	1010·3	-1	W	6	0p≤	48	75	8	4000	Cu Nb	10	-	10	6
Plymouth (Cattewater)	1009·8	-1	WSW	5	0p≤	49	75	8	4000	St Cu	2	Cu.St	10	6
Portland Bill	1009·4	0	W	5	0	49	85	8	-	-	0	Cu.Cu	2	5
Southampton (Calshot)	1009·0	0	SW	6	0r≤	49	65	8	4000	St Cu	3	Ast	6	3
Dungeness	1008·6	0	SW	5	0	51	65	8	-	-	0	Ci	2	3
Jersey	1012·2	0	W	3	0	52	65	8	4000	St Cu	2	-	2	3

LONDON OBSERVATIONS

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Min. on Grass. °F.
	24 HOURS ENDED 0900 G.M.T. 15th					
Kew } 24 hours ended 0700	obcy	cy.	ycq≤	•	•	41
Croydon } 24 hours ended 0700	coy	obcy	yo oc≤	•	•	39
Greenwich (Royal Obsy.)	c	cbc	bcbar	61	43	39
City (Bunhill Row)	•	•	•	•	•	•
Westminster (St. James' Pk.)	•	•	•	57	45	41
Regent's Pk. (Botanic Gdns.)	•	•	•	•	•	•
Camden Square	c	cbc	•	59	44	41
Kensington Palace	c	c	•	57	44	41
Hampstead Observatory	•	•	•	56	42	36

	Rainfall mm. Day.	Rainfall mm. Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
			YESTERDAY.	YESTERDAY.	TO-DAY.
Kew } 24 hours ended 0700	-	-	7·7	•	•
Croydon } 24 hours ended 0700	-	06	8·4	•	•
Greenwich (Royal Obsy.)	-	-	8·8	49	74
City (Bunhill Row)	•	•	5·9	•	•
Westminster (St. James' Pk.)	-	-	8·1	50	70
Regent's Pk. (Botanic Gdns.)	•	•	7·4	•	•
Camden Square	-	01	•	•	80
Kensington Palace	-	06	•	51 (18h)	74
Hampstead Observatory	-	15	8·1	•	72

ATMOSPHERIC POLLUTION.
Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T. 14th

South Kensington Max.	Time.	Min.	Time.
-	-	-	-

Kew Observatory Max.	Time.	Min.	Time.
-	-	-	-

POLE STAR RECORD at Greenwich Obsy.

Exposure from 14th 21h 00m. to 15th 03h 00m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	6·0	03·58	66
δ Ursae Minoris	6·0	00·44	12

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Rare ground frozen (but less than 2 ins. deep).
4=Rare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Strength.	Direc.
13h.	C	6	-	140°
18h.	C≤	6	•	155
01h.	-	-	-	-
07h.	-	-	-	-

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

15th & 16th May, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3·58 / 3·56	11·49 / 11·49	7·39 / 7·40
Greenwich	4·10 / 4·9	11·56 / 11·56	7·42 / 7·43
Wick	3·48 / 3·46	12·3 / 12·3	8·20 / 8·31
Valencia	4·40 / 4·37	12·31 / 12·31	8·25 / 8·26

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
ip precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
v unusual visibility. y dry air.
z dust haze: the turbid atmosphere of dry weather.

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; i = intermittent; - = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail":
Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
rr = continuous moderate rain.
rrrr = continuous light rain.

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

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

SEA DISTURBANCE.

0=no swell } Calm or
1=mod. swell } slight
2=heavy swell } sea.
3=no swell } Moderate
4=mod. swell } sea.
5=heavy swell }
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

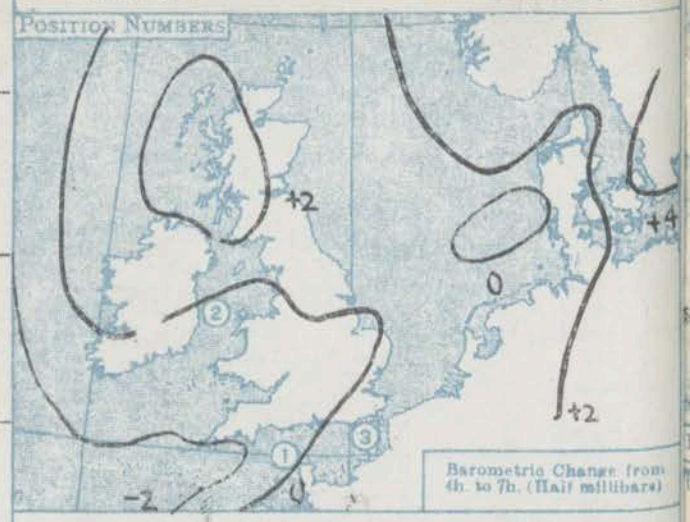
[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. ‡ For ... see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 14th	13h.-18h. 14th	18h. 14th to 1h. 15th	1h.-7h. 15th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS	RAINFALL† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 15th Hours.
Lerwick	omr	cr	c	c	47	40	•	0·6	0·3	1230	<2100	1·2
Stornoway	c	c	bbc	cd	47	37	•	0·4	0·6	1230	-	8·1
Wick	c	c	bbc	bbc	50	33	•	-	-	-	-	•
Castlebay	vcopc	copbc	bcpicb	b.bc	44	42	•	2	0·4	-	-	6·4
Nairn	bc	bcc	cbccg	cg	49	33	•	-	-	-	-	6·7
Aberdeen	b.bcc	op.rc	op.rm	iRm	48	33	28	Trace	7	14·30	<2100	6·5
Malin Head	rcbcv	bccov	coir.	coir.	49	37	•	7	0·5	40800	2200	7·9
Renfrew	opom	oopmv	om	oRr	50	35	33	0·3	12	-	-	2·4
Edinburgh(Inchkeith)	cir.	ir.pv	ot.r.	oir.	47	37	36	0·6	1	-	2200	5·3
Leuchars	coicprh	copRpr	oo	oirm	52	40	32	2	2		2400	6·2
Eskdalemuir	ophr	copheir	oir	oirom	46	32	27	10	10	40800	<2100	2·5
Tynemouth	mipo	eepq	cp.m	bbcm	50	39	35	Trace	Trace	11·00	<2100	•
Blacksod Point	c	hornv	c	c	49	36	•	5	0·3	-	-	•
Donaghadee	bcqp	cqrvr	bc	bc	51	35	•	3	-	14·30	-	•
Birr Castle	irco	ebiR	coPR	coiR	47	37	34	7	2	40800	<2100	
Holyhead	opRmq	opom	oprcb	bcco	48	38	38	1	1	40800	<2100	1·2
Liverpool (Bidston)	cpoo	oo	p	p	50	39	35	Trace	3	-	<2100	3·0
Chester (Shotwick)	coepr	opr.q	ocpr	cprb	51	37	32	Trace	1	11·00	<2100	3·3
Spurn Head	p	c	c	c	52	43	•	0·4	-	40800	-	4·3
Birmingham (Edgbaston)	oo	c	r ord.		51	40	39	-	1	•	0330	3·4
Nottingham	c	oop.	o	oor.	53	43	40	Trace	0·1	1730	0530	3·0
Cranwell	bcco	oo	cbc	c	52	41	38	-	Trace	-	0630	5·3
Gorleston	c	cbc	bbcb	od.vq	56	42	33	-	Trace	-	0430	9·6
Valencia (Cahirciveen)	oir.p	oirp	bcp	bccp	47	43	37	6	1	40800	2400	0·2
Roches Point	or.T.	op.r.or.	cp.b	b.bc	53	39	4	1	1	<0800	<2100	*
Pembroke (St. Ann's H.)	c	oqpr	cqp	cqprc	49	43	•	2	3	1530	<2100	5·6
Ross-on-Wye	bccvoy	ov	opcc	rro	52	41	40	-	8	-	<2100	5·1
Benson	c	bc	co	obcc	56	42	38	-	Trace	-	-	•
Andover	bbcy	cyoy	ocor20	obRor.	54	41	39	-	1	-	<2100	10·3
S. Farnborough	coco	coyy	o	oprco	58	42	40	-	1	-	0130	9·0
London (Kew Obsy.)	ocbcy	cy	yozbcc	ccqbc	55	45	41	-	-	-	-	7·7
Croydon	coy	obcy	yo	ocr.	55	42	39	-	0·6	-	0230	8·1
Clacton-on-Sea	cy	cyz	cy3c	c	56	46	41	-	-	-	-	6·0
Shoeburyness	cbcz	bcz	b	bbcc	58	43	41	-	-	-	-	9·8
Grain	bbccq	c	cbc	bcopq	56	43	38	-	0·2	-	0430	8·6
Lympne	b.bcc	cbcb	bo	opRq	55	41	36	-	1	-	0530	11·9
Scilly (St. Mary's)	bccq	coqp	ocqp	ocqp	53	41	•	0·5	4	1230	<2100	7·8
Falmouth (Pendennis)	bc	bcp	bcop	bcor	52	43	•	Trace	7	1530	0230	8·8
Plymouth (Cattewater)	bcyqpv	cpvo	opor	or	52	43	33	Trace	4	<0800	<2100	8·5
Portland Bill	bc	bc	bcor	opoq	52	44	•	-	0·2	-	<2400	•
Southampton (Calshot)	c	c	ocbcpc	p	55	43	41	-	2	-	2400	10·6
Dungeness	b.bc	b.bc	bbc	r.d.	54	45	•	-	4	-	0130	•
Jersey	opo	b	b	bo	54	46	•	1	-	0900	-	10·0

ISALLOBARS. 15th May 1923

POSITION NUMBERS



Barometric Change from 4h. to 7h. (Half millibars)

Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	14th 1100	Ibernia	WSW	6	!	46	48	8
3	15th 0200	Arundel	WSW	6	R	47	51	8

GENERAL INFERENCE.

The depression over the British Isles is almost stationary and will maintain cool unsetted conditions generally, with bright periods in most localities.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday, 15th May, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind W. or SW, moderate, fresh locally; variable cloud, some thundery showers; visibility good; cool, ground frost locally at night.	Continuing unsettled with temperature below normal.
5. S.W. England 6. South Wales 7. North Wales	Wind NW. or W., moderate or fresh; variable cloud, occasional showers of rain or hail; visibility good; cool.	
8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland	Wind indefinite, light or moderate; variable cloud, some showers; visibility good; cool, frost locally at night.	
12. S.W. Scotland 13. Isle of Man	Wind indefinite to northerly, light or moderate; variable cloud, some showers of rain or hail; visibility good; frost locally at night.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind northerly, moderate, fresh in places; variable cloud, some showers of rain or hail; visibility good; cold, frost locally at night.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0915 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.

SYNOPTIC CHART FOR MORNING OF TUESDAY, 15TH MAY, 1923.

Scale - 1:10,000,000

Nautical Miles / Statute Miles

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

Low Cloud.

TEMPERATURE
WEATHER
SEA

HIGH 1018 — 5 36 Drizzle

1016 — 15 34 O'cast

1014

1012

1010

1008

1006

1004

1002

1000

998

996

994

992

LOW 2 O'cast

42 30 Show

15 39 O'cast.

Barometer steady

11 5 41 Rain

Barometer

45 21 Fair

1002

1004

1006

Rising

1008

46 10 1010 Fine

Slowly

1012

Cloudy

10 34 Slight Show showers

43 5 11 Cloudy

Barometer

45 10 1000 Cloudy

7h. 14th

13h 14th

Rising

43 5 Heavy Rain

37 0

43 5 Rain

Low

Slowly

Meteogram

28 46 Air 49 Sea Cloudy

O'cast

44 2 Fine

44 15 O'cast

45 10 O'cast

Barometric

46 15 Cloudy

45 15 Slight showers

45 28 Fair

46 21 Cloudy

49 10 Fair

Bar.

46 21 Slight showers

Changes

45 10 O'cast.

Falling

49 15 O'cast.

46 35 O'cast.

48 10 O'cast

45 10 Fine

slowly

slight

43 2 Fine

1014

1016

34 2 Fine

1018

HIGH

52 2 Cloudy

HIGH

EXPLANATION

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Direction is shown by arrows flying with the wind. Force, on the scale 0–12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in ° F.
WEATHER SYMBOLS: ○ clear sky, ◔ sky ¼ clouded, ◑ sky ½ clouded, ◕ sky ¾ clouded, ● overcast sky, • rain falling, * snow, ✱ sleet, ▲ hail, ≡ fog, =° mist, T thunderstorm.
SEA DISTURBANCE: ~~~ Rough, ≈≈≈ High.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY:

0.	Dense fog. Objects not visible at	55	yards
1.	Rather thick fog	220	"
2.	Very bad	550	"
3.	Bad	1,100	"
4.	Very poor	1¼	miles.
5.	Poor	2½	"
6.	Moderate	6¼	"
7.	Good	12½	"
8.	Very good	31¼	"
9.	Excellent.	beyond 31¼	"

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4. BRITISH SECTION.....TUESDAY, 15th MAY.....1923. No. 135

Observations at 0100 G.M.T....15th.....

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-6	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1001.8	+3	NNE	2	bc/p	43	85	7	4000	Nb	4	ACu	6	•
Stornoway	1000.1	+3	ENE	3	bc-	•	•	5	•	•	•	•	•	•
Wick	9999	+2	W	1	bc-	37	97	8	5700	St.Cu	4	-	4	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	9966	+2	S	1	bc/r	39	97	8	5700	Nb	4	-	4	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh(Inchkeith)	9971	+1	ESE	1	0rr	41	97	8	-	Nb	10	-	10	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	9999	-1	SSW	1	odd.	43	85	6	4000	Nb	10	-	10	•
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	9999	+1	SW	4	b-	42	92	8	2500	Cu	1	.	1	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	10037	-1	SSW	5	0	45	92	7	-	-	0	ASt	10	•
Birmingham (Edgbaston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	10046	0	SW'S	4	b-	43	85	7	2500	St	3	-	3	•
Gorleston	10072	0	SSW	3	b-	44	65	8	-	-	0	-	0	•
Valencia (Cahirciveen)	10047	0	NW	3	bc/c	45	91	7	-	Cu	5	-	5	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke(St.Ann's H.)	10056	0	W'N	6	c?r	45	85	7	2500	Nb	7	-	7	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	b	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	a	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)...	x	•	•	•	•	49	•	•	•	•	•	•	•	•
Croydon	10056	0	SSW	4	0	45	85	8	-	-	0	Ci.St	10	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	10060	0	SW	3	0	44	92	7	-	-	0	Ci.St	9	•
Scilly (St. Mary's) ...	10075	-2	W	6	c/c	48	85	8	4000	Cu.Nb	8	-	8	•
Falmouth (Pendennis)	10087	-2	WSW	6	c/r-	46	75	7	4000	Cu	7	-	7	•
Plymouth(Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	10076	-2	WSW	6	0rr	46	92	7	450	St	10	-	10	•
Southampton(Ca.shot)	10081	-1	SW	5	c/r	49	75	8	1500	St	3	A.St	7	•
Dungeness	10094	0	SW	5	bc+	49	75	8	2500	Nb	6	-	6	•
Jersey 7h} ... ... Guernsey 1h}														

Observations at 0700 G.M.T....15th.....

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-6	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1002.1	+1	NE	2	cjp	43	92	8	4000	Cu	7	-	7	1
Stornoway	1001.9	+2	NNE	3	c	45	85	7	4000	Cu.Nb	5	A.Cu	7	2
Wick	1000.6	+1	WNW	1	bc	43	92	8	2500	Cu.Nb	3	Ci	5	3
Castlebay	1001.2	+2	N	4	bc	45	75	8	4000	Cu	1	A.St	4	3
Nairn	1000.1	•	NNE	2	c	43	85	8	4000	Cu	4	A.Cu	7	•
Aberdeen	9996	0	ESE	2	0R	43	97	5	1500	Nb	10	-	10	0
Malin Head	999.2	+2	N	2	0r+	43	92	7	4000	Nb	9	-	9	1
Renfrew	999.1	+2	-	0	0/r	37	97	5	800	Nb	10	-	10	•2
Edinburgh(Inchkeith)	9986	+2	WSW	3	bc/r	39	92	7	-	St.Cu	3	Ci.Cu	4	•1
Leuchars	9980	0	WSW	2	0r-	41	97	6	1500	Nb	4	A.St	10	•
Eskdalemuir	9998	+2	-	0	0	36	97	6	450	St	10	-	10	•
Tynemouth	1000.1	+1	W	1	b	44	85	6	2500	St	2	-	2	•0
Blacksod Point ...	1003.6	+1	N	5	c	47	75	7	-	Cu.Nb	8	-	8	5
Donaghadee	999.5	+1	W	1	bc-	40	85	8	1500	St.Cu	3	A.Cu	6	2
Birr Castle	1000.4	•	W	3	bc/r	42	92	8	2500	Cu	6	-	6	•3
Holyhead	1000.0	0	SSW	4	0+	44	85	8	4000	St.Cu	10	-	10	5
Liverpool (Bidston) ...	1000.9	0	S'E	3	c/r	44	85	7	2500	St.Cu	7	-	7	•
Chester (Shotwick) ...	1001.0	0	SE	3	bc+	45	85	7	4000	St.Cu	3	A.Cu	4	•
Spurn Head	1002.8	+1	SSW	5	0	48	85	7	2500	St.Cu	10	-	10	4
Birmingham (Edgbaston)	1003.0	0	S=W	5	0	43	92	8	1500	St	9	-	9	•
Nottingham	1002.5	0	SW	3	0	45	85	6	800	St.Cu	10	-	10	•
Cranwell	1003.5	-1	SW'S	4	0r.	44	92	8	1500	Nb	10	-	10	•
Gorleston	1001.7	0	SSW	5	c-	46	85	7	4000	Cu	3	Ci.Cu	7	1
Valencia (Cahirciveen)	1003.4	0	NW	4	cbr.	45	85	8	2500	St.Cu	7	-	7	4
Roches Point	1003.6	0	WNW	3	bc+	42	85	8	4000	Cu.Nb	4	-	4	3
Pembroke(St.Ann's H.)	1003.2	0	W'S	6	bc	45	75	8	4000	Cu	6	-	6	5
Ross-on-Wye	1003.7	0	SSW	2	0	44	85	7	2500	Nb	8	A.St	10	•
Benson...	1004.7	-1	SSW	5	c+	48	75	7	-	Cu	5	Ci	7	•
Andover	1005.9	-1	SW'S	5	0/r	46	85	8	1500	Nb	7	Ci.St	10	•
S. Farnborough ...	1006.3	-1	SW	4	0/p	48	75	6	1500	St.Cu	10	-	10	•
London (Kew Obsy.)...	1006.2	-1	S'W	3	bc	49	75	8	2500	Cu	2	Ci	6	•
Croydon	1007.5	-1	S'W	4	c/r	45	85	7	4000	St.Cu	3	Ci.St	7	•
Clacton-on-Sea ...	1007.5	0	SW	4	c	47	85	7	1500	Cu	1	Ci	7	1
Shoeburyness	1007.6	0	SSW	5	c	47	75	7	2500	Cu	2	Ci.St	8	•
Grain	1005.8	0	SSW	4	0	46	85	8	2500	St	4	A.St	10	0
Lympne	1005.1	0	SW	4	0r-	43	92	8	800	Nb	9	A.St	10	•
Scilly (St. Mary's) ...	1005.8	-3	W	5	cbc	46	85	7	4000	Nb	8	-	8	5
Falmouth (Pendennis)	1005.1	0	WSW	6	0r-	46	85	7	4000	Nb	10	-	10	3
Plymouth(Cattewater)	1005.5	-1	W'S	5	0r	46	92	7	800	Nb	10	-	10	6
Portland Bill	1005.4	-3	WSW	7	0/r	47	92	7	450	St	10	-	10	3
Southampton(Ca.shot)	1007.1	-1	SW	6	bc/p	48	75	7	4000	Cu.Nb	4	Ci	6	5
Dungeness	1008.1	+1	SW	5	0r.c	45	97	8	2500	Nb	10	-	10	3
Jersey 7h} ... ... Guernsey 1h}	1010.5	0	SW	4	0	48	75	8	4000	St.Cu	10	-	10	

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR....14th May.....

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 13h.-14h. °F.	Temperature. Max. Day. 14h. °F.	Rainfall.† Night 17h.-9h. 13h.-14h. min.	Rainfall.† Day 9h.-17h. 14h. min.	Sunshine. Sunrise to 17h. 14h. hr.	Sunshine. Sunrise to Sunset. 13h. hr.
Montrose	x	x	37	49	-	0.3	8.2	3.1
Llandudno	c	cpc	43	51	0.4	0.3	4.0	4.5
Colwyn Bay ...	c	c	42	50	1	-	3.6	6.2
Rhyl...	bcc	cbcp	37	50	0.1	0.2	4.8	6.2
Southport	cc0pc	rorco	42	51	0.1	1	5.3	1.4
Blackpool	coph	co	42	50	-	1	3.5	1.4
Ilkley	ocgcp	p	37	51	1	2	3.2	4.0
Harrogate	bcco	0c	37	50	1	-	3.7	2.1
Skegness	3	c	36	53	2	-	5.6	7.7
Aberystwyth ...	roc	b	42	51	4	-	3.0	7.7
Bath	cbcb	b1cc	41	54	2	-	10.7	10.3
Leamington Spa ...	c	cb	39	53	0.1	-	4.1	9.3
Lowestoft	b	bcc	42	57	-	-	3.5	8.2
Felixstowe	bc	c	41	56	-	-	7.4	7.4
Southend	cbc	bc	40	57	-	-	7.5	6.7

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 13h.-14h. °F.	Temperature. Max. Day. 14h. °F.	Rainfall.† Night 17h.-9h. 13h.-14h. mm.	Rainfall.† Day 9h.-17h. 14h. mm.	Sunshine. Sunrise to 17h. 14h. hr.	Sunshine. Sunrise to Sunset. 13h. hr.
Ilfracombe	bcb	bcco	45	51	-	-	8.9	10.8
Bude	p.	p.	42	53	2	0.3	9.1	8.9
Penzance	bc	bcpc	43	54	3	Trace	10.3	10.7
Paignton	bcqy	bcqyp	48	56	Trace	-	9.6	10.4
Torquay	b	b	43	55	0.1	-	8.6	11.0
Weymouth	bc	bc	42	58	0.3	-	10.4	9.7
Bournemouth ...	b	b	40	55	-	-	10.0	8.4
Portsmouth (S'thsea)	b	b	43	55	-	-	11.5	8.6
Worthing	bc	bc	41	57	-	-	10.8	7.7
Brighton	b	b	43	55	-	-	10.3	7.2
Eastbourne	bc	b	45	55	-	0.1	11.0	7.4
Hastings	cbcc	cbcb	41	54	0.1	-	9.9	6.6
Folkestone	bc	bc	39	56	-	-	5.6	5.8
Tunbridge Wells ...	cbc	bc	37	56	-	-	9.1	8.1
Ramsgate	b.cb	bbc	37	56	-	-	8.6	4.4
Margate	bo	cbcc	39	54	0.4	-	7.7	5.3
Deal	b.tcc	tc	40	55	-	-	8.3	5.9

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm § For code see page 3 ‡ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.23455 WEDNESDAY, 16th MAY, 1923.

Observations at 1300 G.M.T. 15th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1002·5	0	NE	3	c	46	75	6	5700	StCu	5	ACu	7	*
Stornoway	1003·0	+2	NE	4	o/c	44	75	7	800	St	10	-	10	*
Wick	1000·0	-1	NE	3	c	45	92	3	4000	CuNb	5	ACu	8	*
Castlebay	1003·4	+1	NNW	4	opr.	47	72	8	800	St	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	999·2	0	SSE	3	c	49	85	6	2500	Cu	7	-	7	1
Malin Head	1001·0	+3	N	5	cjp	47	92	8	4000	CuNb	7	-	7	*
Renfrew	999·3	0	WNW	3	bc-	50	75	7	5700	CuNb	2	Ci	6	1 *
Edinburgh(Inchkeith)	999·1	+2	WNW	2	c+	49	65	7	-	Cu	6	CiSt	7	*
Leuchars	998·5	0	W	3	bc	49	75	7	5700	Cu	6	-	6	0
Eskdalemuir	999·5	-1	SE	3	o	44	78	6	2500	StCu	9	-	9	1 *
Tynemouth	1000·0	0	SW	2	bc	52	65	6	4000	CuNb	4	-	4	*
Blacksod Point	1005·1	+2	NE	1	c	51	75	8	-	CuNb	7	-	7	*
Donaghadee	1003·8	+1	NW	3	bc+	44	85	8	2500	Cu	2	ASt	6	*
Birr Castle	1002·5	*	W	2	cpr.	51	75	8	4000	StCu	8	-	8	*
Holyhead	1000·4	+0	WIN	4	o/r	46	85	8	1500	StCu	9	-	9	1 *
Liverpool (Bidston)	1000·8	+1	W	3	bcph	45	83	7	1500	Nb	5	-	5	*
Chester (Shotwick)	1000·6	0	WSW	4	o	51	53	8	2500	StCu	9	-	9	1
Spurn Head	1001·8	-1	W!S	4	odo	50	85	7	1500	Nb	6	ASt	10	*
Birmingham (Edgbaston)	1001·9	-1	WSW	4	cPH	48	76	7	4000	Nb	10	-	10	*
Nottingham	1001·4	-1	SW	3	o	51	65	7	2500	CuNb	2	CiSt	9	*
Cranwell	1002·7	-1	SW	3	o/r	50	85	8	2500	StCu	7	ASt	9	1 *
Gorleston	1003·4	-1	SSW	6	c	52	85	6	4000	Cu	7	-	7	*
Valencia (Cahirciveen)	1006·4	+2	NNW	4	bc-	51	65	9	4000	StCu	4	-	4	1 *
Roches Point	10040	0	WNW	3	c	55	75	8	2500	CuNb	8	-	8	*
Pembroke(St.Ann's H.)	1003·8	0	W!S	4	bc	47	75	8	4000	Cu	4	-	4	*
Ross-on-Wye	1002·5	-2	SW!S	4	o	51	65	8	4000	CuNb	7	Ci	9	1
Benson	1004·1	0	S-W	4	opr.	46	92	9	*	Cu	4	ASt	10	1
Andover	1004·8	-1	SSW	5	ojp	47	92	8	1500	Nb	6	ASt	10	2
S. Farnborough	1005·7	-0	SW	5	or.	46	92	7	1500	Nb	6	ASt	10	2
London (Kew Obsy.)	1005·8	+0	WSW	5	oKQ	45	86	7	2500	Nb	10	-	10	1
Croydon	1006·0	-1	SSW	4	c+	51	75	8	1500	Cu	3	ASt	8	1
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1006·3	.?	W	6	cjp	53	75	6	2500	CuNb	7	CiSt	8	*
Grain	1006·4	-1	SW!S	5	opR	50	85	8	1500	CuNb	8	Ci	9	1
Lympne	10076	-1	SW!S	7	o	52	75	8	1600	Cu	7	CiSt	9	2
Scilly (St. Mary's)	1006·5	+1	W	4	bc-	54	65	8	4000	Cu	3	CiCu	6	*
Falmouth (Pendennis)	1005·5	+1	WSW	4	bc/r	52	65	8	4000	Cu	6	-	6	*
Plymouth(Cattewater)	1005·4	+1	SSW	3	o/r	49	92	7	1500	St	10	-	10	2
Portland Bill	1005·4	0	WSW	7	opr.	48	92	8	450	St	10	-	10	*
Southampton(Calshot)	1005·9	-1	SW!S	6	o/r	50	75	7	2500	CuNb	7	Ci	9	1
Dungeness	1003·2	-1	SW	6	c/h	53	75	8	2500	Cu	4	CiCu	8	*
Jersey	1008·8	-1	SW	5	o/r	56	55	8	4000	StCu	10	-	10	*

Observations at 1800 G.M.T. 15th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea 0-9
Lerwick	1001·5	-2	N	3	drizzle	41	85	6	4000	Nb	10	-	10	2
Stornoway	1002·5	0	NNE	4	c	42	75	7	4000	St	8	-	8	3
Wick	999·9	-2	N	4	drizzle	41	87	8	2500	Nb	10	-	10	3
Castlebay	1003·6	0	NW	3	c	44	75	8	2500	St	7	-	7	4
Nairn	1000·0	=	ENE	4	c/r	43	92	8	4000	CuNb	4	ACu	7	*
Aberdeen	999·0	0	NNW	1	drr	42	92	6	1500	Nb	10	-	10	0
Malin Head	1001·4	+1	NNW	7	c	46	92	8	5700	StCu	5	CiCu	7	6
Renfrew	998·8	-1	N	7	cjp	47	65	7	2500	Nb	6	-	6	*
Edinburgh(Inchkeith)	998·8	-1	NW	7	c+	44	75	8	*	St	6	ASt	10	2 *
Leuchars	998·1	0	WNW	7	drizzle	43	75	8	1500	Nb	10	-	10	*
Eskdalemuir	997·4	-1	W	7	drizzle	45	95	8	4000	Cu	2	CiSt	9	*
Tynemouth	998·3	-1	SSE	2	c/r	47	83	6	4000	CuNb	4	ACu	7	0
Blacksod Point	1007·5	+1	NE	5	drizzle	47	65	7	-	CuNb	10	-	10	6
Donaghadee	1006·8	0	N	5	c/r	45	92	8	1500	St	8	-	8	2
Birr Castle	1004·1	*	NW	4	cjp	48	75	8	2500	CuNb	6	Ci	8	*
Holyhead	1006·2	-1	NNW	4	drizzle	45	92	8	500	StCu	8	ACu	9	3
Liverpool (Bidston)	999·5	-1	W	4	drizzle	45	75	8	2500	St	8	-	8	4
Chester (Shotwick)	999·9	0	WNW	4	cjp	46	75	8	1500	StCu	9	-	9	*
Spurn Head	1000·3	-1	NNW	4	cjp	45	85	7	1500	CuNb	10	-	10	3
Birmingham (Edgbaston)	1001·1	-1	SW	4	drizzle	46	75	8	4000	CuNb	3	Ci	8	*
Nottingham	1000·2	-2	SW	4	d.	47	75	7	1500	CuNb	2	CiSt	3	*
Cranwell	1001·3	-1	SW	5	c	45	75	8	2500	St	2	-	2	*
Gorleston	1004·3	-1	SW	4	OPR	47	85	6	2500	Nb	9	-	9	4
Valencia (Cahirciveen)	1008·1	+1	NNW	5	cpr.	49	85	9	2500	StCu	5	CiCu	7	4
Roches Point	1054	+1	NNW	5	c	A9	85	8	2500	CuNb	8	-	8	3
Pembroke(St.Ann's H.)	1033·9	0	W!S	5	bc+	47	75	8	4000	Cu	6	-	6	5
Ross-on-Wye	1002·8	0	NSW	3	o/r	46	75	8	4000	CuNb	8	Ci	9	*
Benson	1004·5	-2	SSW	2	c-	43	85	9	*	Nb	7	-	7	*
Andover	1004·3	0	SW	3	c/r	44	92	8	1500	Nb	7	-	7	*
S. Farnborough	1004·0	-1	W	5	or.	47	75	7	1500	StCu	6	-	10	*
London (Kew Obsy.)	1003·9	-3	NSW	4	o	51	75	7	2500	Nb	9	-	9	*
Croydon	1004·9	-2	SSW	4	o/r	46	85	8	1500	St	4	ASt	10	*
Clacton-on-Sea	1004·8	-1	SW	6	CPR-	48	85	7	1500	Nb	2	ASt	7	4
Shoeburyness	1004·7	-2	SW	5	OPR-	47	85	7	1500	Nb	10	-	10	*
Grain	1004·8	-2	SSW	4	o/r	47	92	8	1500	St	10	-	10	0
Lympne	1006·1	-2	SW!S	5	ojp	47	85	8	1500	Nb	7	ASt	9	*
Scilly (St. Mary's)	1006·6	0	W	4	b	51	75	8	4000	Cu	2	-	2	4
Falmouth (Pendennis)	1006·2	-1	WSW	4	bc/r	49	75	8	4000	Cu	5	-	5	0
Plymouth(Cattewater)	1005·1	0	W!S	4	c	50	75	8	2500	Cu	7	-	7	0
Portland Bill	1005·9	0	WSW	7	c/r	49	92	8	-	-	10	ACu	7	6
Southampton(Calshot)	1005·2	-1	SW	5	c/r	46	75	8	2500	CuNb	5	ACu	6	0
Dungeness	1006·2	-2	SW	6	ojp	50	75	8	4000	Nb	5	ASt	10	6
Jersey	1007·4	-1	SW	4	o/r	50	75	8	1500	Nb	10	-	10	6

LONDON OBSERVATIONS.

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 HOURS ENDED 0900 G.M.T. 15th								YESTERDAY.		TO-DAY.
Kew } 24 hours ended 0700 Croydon }	oir. coPRH	orqo orpo	opbcor opr. bur	* *	* *	31 32	4 4	2 17	4·2 4·0	* *	* *
Greenwich (Royal Obsy.)	cop	cor	opbop	56	38	28	5	03	4·3	89	86
City (Bunhill Row)	*	*	*	*	*	*	*	*	2·9	*	*
Westminster (St. James' Pk.)	*	*	*	54	39	35	4·2		3·6	86	84
Regent's Pk. (Botanic Gdns.)	*	*	*	*	*	*	*	*	3·4	*	*
Camden Square	cobc	corore	*	55	38	35	4	2	*	*	86
Kensington Palace	op	op	*	53	38	32	4	2	*	76(18h)	81
Hampstead Observatory	*	*	*	51	36	29	4	1	*	*	87

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1800 G.M.T. 15th

South Kensington

Max.	Time.	Min.	Time.
0·6	2000 14th	<0·3	0100 - 0400 15th
0·6	1200 15th		

Kew Observatory

Max.	Time.	Min.	Time.
0·3	2000 14th	<0·3	Rest of day
0·3	0900 - 1100 15th		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 15th 21 00 h. m. to 16th 03 00 h. m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	-	-	-
β Ursae Minoris	-	-	-

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Surface ground frozen (but less than 2 ins. deep).
4=Surface ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	CC 1/2	6	-	25°
19h.	C,C	7	-	5°
01h.	C	6	-	30°
07h.	C	6	-	20°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

16th 17th May, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3·58 3·57	11·49 11·49	7·40 7·41
Greenwich	4·2 4·8	11·53 11·56	7·43 7·44
Wick	3·46 3·44	12·8 12·8	8·31 8·33
Valencia	4·47 4·46	12·37 12·3	8·26 8·27

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
ip precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
z unusual visibility. y dry air.
z dust haze: the turbid atmosphere of dry weather.

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; i = intermittent; - = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";

Capital letters indicate intense. suffix o indicates slight and repetition of letters continuity, thus :—

R = heavy rain.
rr = continuous moderate rain.
ro/o = continuous light rain.

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

SEA DISTURBANCE.

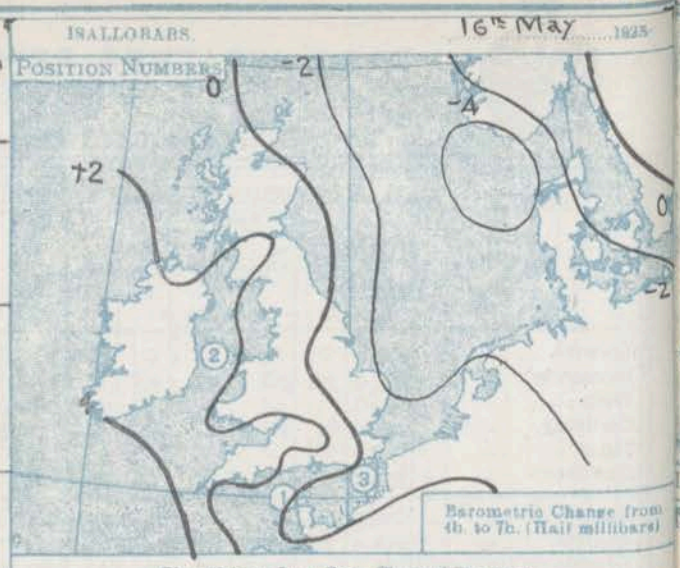
0=no swell	Calm or slight sea.
1=mod. swell	
2=heavy swell	
3=no swell	Moderate sea.
4=mod. swell	
5=heavy swell	
6=rather rough sea.	
7=rough sea.	
8=very rough sea.	
9=mountainous sea.	

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction. * Information for these summer stations usually received. ‡ The barometric change is expressed in half millibars. § For code see page 8.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 15th	13h.-18h. 15th	18h. 15th to 1h. 16th	1h.-7h. 16th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS	RAINFALL† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 15th Hours.
Lerwick	c	omr	omr	omr	46	39	•	4	10	1330	<2100	2·8
Stornoway	p	c	bbc	cprs	46	34	•	0·5	2	-	-	4·5
Wick	b·bc	or₀	r₀r₀c	oir₀	47	37	•	0·4	3	15·30	<2100	•
Castlebay	bcpcp	opc	cbchp	hbopc	48	36	•	0·5	2	-	-	9·6
Nairn	cgbc	beiRc			49		•	2		15·30		
Aberdeen	rr₀bc	cor₀m	orrm	rr₁₀o	50	37	36	3	5	0800	<2100	3·3
Malin Head	rrbcv	PRco	cobcq	cobcq	49	37	•	1	Trace	0800	2200	8·0
Renfrew	omcbc	bcco	oir	cbc	50	37	33	-	0·6	-	<2100	7·5
Edinburgh(Inchkeith)	c	oo	or₀r₀	rrcp	53	38	36	Trace	3	-	2200	7·8
Leuchars	omrbc	bcRrh	or₀ob	bbv	51	38	33	1	0·5	0800	<2100	5·1
Eskd.-lemuir	bdssmc	cbc	cbc	bccor₀	49	34	32	3	1	0800	2200	6·7
Tynemouth	b·bcm	mp₁₀rl	pm	oirm	53	39	36	Trace	1	13·30	0430	•
Blacksod Point	c	c	c	c	51	38	•	1	1	-	-	•
Donaghadee	c	cp	cqp	bcqp	46	38	•	0·5	1	1730	<2100	•
Birr Castle	copr	PRjp	r₀r₀	r₀r₀	53	38	34	0·2	2	0800	<2100	•
Holyhead	opop₀	op₀	aibcipb	bc	48	39	40	1	2	11·00	<2100	5·5
Liverpool (Bidston)	bccph	cbc	orq	orq	48	38	36	1	4	11·00	2400	7·4
Chester (Shotwick)	pr₀	cpr₀	oddc	opRq	54	38	37	0·1	4	0800	<2100	7·6
Spurn Head	c	p	copbc	c	53	39	•	2	1	1230	2200	3·1
Birmingham (Edgbaston)	c	Hr	oo	oo	50	38	36	3	3	11·00	<2100	3·0
Nottingham	oupc	c	tir	oo	51	37	31	Trace	2	0900	<2100	2·0
Cranwell	oro	c	opr r₀r₀	beco	53	36	31	0·1	2	0800	<2100	3·6
Gorleston	cprq	cprqc	cb	b	55	32	32	1	2	11·00	<2100	7·7
Valencia (Cahirciveen)	cpbc	bbcpc	c	opce	52	43	40	1	2	0800	<2100	10·4
Roches Point	cho	cho	cp	cp	54	42	*	0·6	2			*
Pembroke(St.Ann's H.)	cqphr	bcc	d	bccp	49	41	•	1	0·6	0800	0330	10·2
Ross-on-Wye	pocpbc	rrRbcpb	p₀₀Pc	oco	52	40	36	2	1	0800	<2100	3·4
Benson	cqphr	bcp	cbcb	co	53	33	27	5	Trace	1230	0630	•
Andover	opRho	orrbc	cobrb	bor₀	52	31	28	9	0·6	0900	<2100	3·2
S. Farnborough	oair	ouirir	prhob	bc	52	34	30	5	1	0800	<2100	2·8
London (Kew Obsy.)	oir₀	orq₀	oqbbcr	bbcrw	54	39	31	4	2	11·00	<2100	4·2
Croydon	coPim	orr₀po	opr₀wb	bcw	52	40	32	4	Trace	0800	2200	4·0
Clacton-on-Sea	cope	eqpRoc	cq	cqbc	53	41	37	2	-	11·00	-	5·9
Shoeburyness	cbcp	opRhpq	oppcbc	b	57	40	37	4	Trace	1330	<2100	3·4
Grain	ocipr	pePq	cocbc	bcbbw	53	39	35	5	-	0900	-	2·0
Lympne	orqpr	oPr	oipr₀	co	52	40	37	7	1	0800	<2100	3·0
Scilly (St. Mary's)	cqp	bc	bc	cqp₀	55	45	•	0·2	0·1	0800	0350	9·3
Falmouth (Pendennis)	orpbc	bcpbc	bcb	bcpr	53	42	•	3	0·3	0900	2200	5·2
Plymouth(Cattewater)	oro	obcc	cb	bopb	52	43	34	4	1	0800	2400	4·4
Portland Bill	oqp	oroc	cpbc	bcc	52	43	•	5	-	0800	-	
Southampton(Calshot)	opq	orqe	b	c	51	40	37	5	0·2	0800	<2100	2·6
Dungeness	rhq	rhq	bbc	bbc	53	44	•	10	1	0800	<2100	
Jersey	cqpbc	opo	o	cqhp	56	44	•	3	7	0900	0330	1·0



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	15th 1000	Hibernia	W	4	bcp	45	47	7
3	16th 0300	?	W	5	"	49	54	8

GENERAL INFERENCE.

The depression situated over Scotland on Tuesday, is now moving slowly to the North Sea, and winds will be between W. and N. over the British Isles with a showery type of weather, temperature continuing low.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday, 16th May, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind West to Northwest, moderate or fresh, strong in places; squally; variable cloud, some thundery showers; visibility good; cool, slight frost locally at night.	None issued.
4. W. Midlands 5. S.W. England 6. South Wales	Wind Northwesterly, moderate or fresh, strong in places; squally; variable cloud, some thundery showers; visibility good; cool, slight frost locally at night.	
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind NW. or N., moderate or fresh, strong in places, squally; variable cloud, some showers of rain or hail, and, on high ground, of snow; thunder locally; visibility good; cool, slight frost locally at night.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0840 G.M.T. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.

SYNOPTIC CHART FOR MORNING OF Wednesday, 16TH MAY, 1923.

Scale - 1:10,000,000

Nautical Miles 100 0 100 200

Statute Miles 100 0 100 200

HIGH 1020

10 III 30 Cloudy

10 32 O'cast

1018

15 28 Snow

1016

2 37 Showers

Barometer Steady or Falling Slowly. Rising Slowly. Barometer Rising Briskly. Barometer Steady or Falling Slowly.

1004

1002

1000

998

1004

5 43 Cloudy

1006

1008

15 37 Fair

48 O'cast

21

39 O'cast

2 44 Fair

43 Rain

10

15 39 Cloudy

15 39 O'cast

LOW

Fine

10

5 38 Fair

40 Fair 27

10 40 O'cast

48 Rain 21

2 40 Fair

44 Fair 35

43 O'cast 10

10 42 Fine

5 46 O'cast

21 42 Fair

10 43 Fair

2 43 O'cast

27 47 Cloudy

21 45 Cloudy

10 45 Rain

48 O'cast 5

1010

10 46 O'cast

10

5 48 Rain

45 2 Fine 1012

45 Rain

2 52 Rain

15 57 O'cast

1014

5 52 Rain

2 52 Rain

63 Cloudy 10

1016

1018

HIGH

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

Low Cloud.

TEMPERATURE
WEATHER.
SEA.

EXPLANATION

BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. Direction is shown by arrows flying with the wind. Force, on the scale 0—12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.

TEMPERATURE is given in ° F.

WEATHER SYMBOLS: ○ clear sky, ◐ sky ¼ clouded; ◑ sky ½ clouded; ◕ sky ¾ clouded; ● overcast sky; ● rain falling; ✱ snow; ✱ sleet; ▲ hail; ≡ fog; ⌒ mist; T thunder; R thunderstorm.

SEA DISTURBANCE: ~~~ Rough, ≈≈≈ High.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

0.	Dense fog. Objects not visible at	55	yards
1.	Rather thick fog " "	220	"
2.	Very bad " "	550	"
3.	Bad " "	1,100	"
4.	Very poor " "	1¼	miles.
5.	Poor " "	2½	"
6.	Moderate " "	6	"
7.	Good " "	12½	"
8.	Very good " "	31¼	"
9.	Excellent. " beyond	31¼	"

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4. BRITISH SECTION...WEDNESDAY 16TH MAY.....1923. No. 136.

Observations at 0100 G.M.T....16th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	9999	-3	N	1	dtr	40	92	6	4000	Nb	10	-	10	*
Stornoway	1003.6	0	NNW	5	bc-	*	*	6	*	*	*	*	*	*
Wick	9956	-1	NW	3	c	39	97	8	-	-	0	A.Cu	7	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1003.4	0	N	7	p	42	85	9	5700	CuNb	3	-	3	*
Renfrew	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh(Inchkeith)	9963	+1	NNE	2	dtr	40	92	8	-	Nb	9	AStr	10	*
Leuchars	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	998.1	0	-	0	b-	40	92	C	-	-	0	A.Cu	2	*
Blacksod Point ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	1000.8	+1	NW'N	7	b-	44	85	8	2500	Cu	3	~~CuCu~~	3	*
Liverpool (Bidston)...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	9988	-2	SW	4	bc	41	92	7	4000	Cu	4	-	4	*
Birmingham (Edgbaston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1003.0	0	SW	2	~~b-~~	37	97	7	1500	St	2	~~CuSt~~	2	*
Gorleston	1003.2	-1	SSW	4	b-	41	92	7	-	-	0	-	0	*
Valencia (Cahirciveen)	1011.2	0	N'W	4	c	46	97	7	-	StCu	7	-	7	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke(St.Ann's H.)	1004.6	+1	NW	5	bc-	45	75	8	4000	Cu	5	-	5	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)...	*	*	*	*	*	44	*	*	*	*	*	*	*	*
Croydon	1003.6	-2	SW	3	b	41	92	7	-	-	C	-	0	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness... ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1003.9	-2	WSW	3	c	41	92	8	4000	StCu	8	-	8	*
Scilly (St. Mary's) ...	1003.2	+1	NW	4	bc-	47	85	8	4000	Cu	2	Ci.Cu	4	*
Falmouth (Pendennis)	1004.1	0	NW	3	b-	46	85	8	4000	Cu	3	-	3	*
Plymouth(Cattewater)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1004.7	0	W	5	b-	46	85	7	-	-	0	Ci.Cu	2	*
Southampton(Ca.shot)	1004.1	-2	W'S	4	b	43	85	8	-	-	0	-	0	*
Dungeness	1003.5	-2	SW	3	bc	48	85	8	2500	St	4	-	4	*
Jersey 7h} ... ... Guernsey 1h}														

Observations at 0700 G.M.T....16th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	9987	-2	NNW	1	bc	44	75	7	4000	Cu	4	ACu	6	0
Stornoway	1003.4	+1	NNE	4	c	39	85	6	4000	CuNb	8	-	8	3
Wick	9976	-1	NNW	4	dr.	41	92	8	2500	Nb	6	ASt	10	3
Castlebay	1005.2	+1	NNW	4	c/s(h)	42	85	8	1500	Nb	7	-	7	4
Nairn														
Aberdeen	9979	+1	NNW	4	o	39	92	8	1500	St	8	CuSt	9	0
Malin Head	1004.6	+1	NNW	6	bc	40	92	9	5700	CuNb	3	ACu	9	6
Renfrew	1000.8	+2	WNW	2	bc	38	75	8	5700	StCu	2	ASt	4	*
Edinburgh(Inchkeith)	999.5	+2	NW	3	c/r	41	75	8	-	-	0	ACu	7	2
Leuchars	9981	+1	WNW	3	bt	43	75	9	4000	CuNb	2	ACu	3	*
Eskdalemuir	999.3	+1	NW	4	o	38	75	7	2500	StCu	10	-	10	*
Tynemouth	998.1	+1	N	3	o/p	40	97	6	4000	Nb	10	-	10	1
Blacksod Point ...	1011.4	+3	NW	5	c	47	65	7	-	CuNb	8	-	8	4
Donaghadee	1003.6	+2	NW	4	b-	43	75	8	1500	Cu	3	-	3	5
Birr Castle	1001.9	*	W	1	bc/r	40	97	8	4000	StCu	6	-	6	*
Holyhead	1002.5	+2	NW'N	7	bc	44	85	8	2500	Cu	6	-	6	6
Liverpool (Bidston)...	999.5	0	W	7	o/r	40	85	7	1500	CuNb	10	-	10	7
Chester (Shotwick) ...	1000.7	+1	WNW	5	o/r.th	39	92	6	1500	St	10	-	10	*
Spurn Head	9983	0	SW'W	3	o	42	92	6	1500	StCu	9	-	9	3
Birmingham (Edgbaston)	1001.7	+1	WNW	4	o	41	75	7	2500	StCu	10	-	10	*
Nottingham	999.7	0	WNW	3	o	43	75	6	1500	StCu	10	-	10	*
Cranwell	999.4	-1	WSW	4	o	43	85	7	1500	St	6	ACu	9	*
Gorleston	1001.3	-2	SW'W	3	b	42	85	6	-	-	0	ACu	2	1
Valencia (Cahirciveen)	1011.7	+2	NNW	5	c-	47	75	8	2500	StCu	6	ACu	7	6
Roches Point	1009.6	+1	NNW	4	c	45	85	8	2500	CuNb	7	-	7	0
Pembroke(St.Ann's H.)	1008.4	+1	W'N	5	bc	42	85	8	4000	Cu	6	-	6	5
Ross-on-Wye	1003.4	+2	WNW	3	c⊕	42	75	8	4000	CuNb	2	CuSt	8	*
Benson...	1002.7	+2	WSW	4	dr	42	85	7	-	Nb	10	-	10	*
Andover	1003.5	0	W'N	5	dtr	42	92	6	800	Nb	8	ASt	10	*
S. Farnborough ...	1002.4	+2	W'S	3	c+	43	97	7	2500	Cu	5	ACu	8	*
London (Kew Obsy.)...	1002.8	+1	W'S	3	bc+	43	85	6	2500	StCu	3	ACu	5	*
Croydon	1002.7	+1	W'S	3	c+	44	85	8	1500	StCu	6	CuSt	8	*
Clacton-on-Sea ...	1001.4	-1	WNW	3	bc	44	85	7	1500	Cu	2	Cu	4	0
Shoeburyness... ...	1002.0	-1	WNW	3	b-	46	75	7	4000	Cu	1	-	1	*
Grain	1002.2	-1	W'S	4	b+	45	85	7	2500	Cu	2	ASt	3	0
Lympne	1002.3	0	WSW	3	b-	43	92	8	4000	StCu	3	-	3	*
Scilly (St. Mary's) ...	1000.9	+4	WNW	6	c-	47	75	8	4000	CuNb	7	-	7	6
Falmouth (Pendennis)	1000.7	+1	NW	4	bc/c	47	65	8	4000	CuNb	6	-	6	6
Plymouth(Cattewater)	1001.3	+3	WNW	4	bjc	46	75	8	1500	CuNb	3	-	3	6
Portland Bill	1002.5	+2	WNW	6	c+	47	85	7	1500	Cu	7	-	7	6
Southampton(Ca.shot)	1003.8	0	W'N	5	o+	46	85	7	2500	Cu	2	ASt	10	6
Dungeness	1002.8	-1	W	4	bc+	47	75	8	-	-	0	ASt	6	4
Jersey 7h} ... ... Guernsey 1h}	1001.1	0	WNW	5	c/r	45	85	8	2500	CuNb	7	-	7	6

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR....15TH MAY.....

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 14h-15h. °F.	Temperature. Max. Day. 15h-. °F.	Rainfall.† Night 17h.-9h. 14-15h. mm.	Rainfall.† Day 9h.-17h. 15h. mm.	Sunshine. Sunrise to 17h. 15h. hr.	Sunshine. Sunrise to Sunset. 14h. hr.
Montrose	*	*	42	50	6	0·2	2·4	8·6
Llandudno	cpcb	pc	38	48	8	0·4	4·2	2·0
Colwyn Bay ...	c	c	39	50	7	-	5·6	3·6
Rhyl...	bcep	cbcph	36	50	4	1	4·8	4·8
Southport	ocbcrc	cbcorbc	39	50	7	?	7·6	5·3
Blackpool	c	p	42	50	4	1	5·8	3·5
Ilkley	cnbc	pcnpo	39	50	1	5	6·0	3·8
Harrogate	bcp	bcp	39	51	0·1	0·4	7·0	5·0
Skegness	or	roc	36	53	-	4	2·9	6·3
Aberystwyth ...	rcb	b	42	50	21?	-	7·5	3·5
Bath	op	pcbc	44	52	1	3	1·4	10·7
Leamington Spa ...	olb	cbcrs	38	52	2	5	1·6	4·1
Lowestoft	cocp	cop	47	54	-	3	5·2	9·5
Felixstowe	c	cpcp	46	55	-	5	5·6	7·3
Southend	cor	cor	44	54	-	2	4·0	8·9
Ilfracombe	ocbc	pbcb	44	50	8	0·3	6·3	8·9
Bude	Pcup	p.cbc	43	53	6	0·3	5·9	9·1
Penzance	cbc	bc	44	54	8	-	7·5	10·3
Paignton	cqp	bcqpbcq	43	53	3	1	3·3	9·6
Torquay	ropb	robc	43	53	6	4	2·8	8·9
Weymouth	opch	cpcp	44	53	1	3	1·0	11·3
Bournemouth ...	cr	crc	43	50	4	3	1·0	11·0
Portsmouth (S'thsea)	ocp	bcrrs	43	52	2	5	1·7	12·2
Worthing	Rc	Rhr	44	52	3	7	2·6	12·5
Brighton	p	p	44	53	5	4	2·3	11·6
Eastbourne... ...	circ	cirs	43 F	54	5	2	1·3	13·6
Hastings	cRhc	coqR	43	53	4	6	1·8	11·6
Folkestone	r	bc	40	56	5	2	3·4	11·6
Tunbridge Wells ...	opbc	bcopo	41	57	5	2	2·1	10·0
Ramsgate	bcbbc	bcor	42	55	-	3	3·2	9·9
Margate	op	cp	43	56	-	2	1·3	8·7
Deal	cqro	bcqrr	43	55	1	4	4·8	9·8

TERMS OF SUBSCRIPTION.—6d per quarter or 2s/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. ‡ For code see page 3. § See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22456 THURSDAY 17th MAY 1923.

STATIONS.	Observations at 1300 G.M.T. 16h													Observations at 1800 G.M.T. 16h												
	Barom. at M.S.L.	Change in 3 Hours‡	Wind. Direc.	Wind. Force	Weather.	Temp.	Humidity.	Visibility.§	Cloud. Low. Height	Low. Form	Low. Amt.	Upper Form.	Total Amt.	State of ground.	Barom. at M.S.L.	Change in 3 Hours‡	Wind. Direc.	Wind. Force	Weather.	Temp.	Humidity.	Visibility.§	Cloud. Low. Height	Low. Form	Low. Amt.	Upper Form.	Total Amt.	Sun.
	m.b			0-12		°F.	%	0-9	Feet		0-10		0-10		m.b			0-12		°F.	%	0-9	Feet		0-10		0-10	0-9
Lerwick	997·8	-1	NE	2	bc/h	46	75	7	4000	Nb	6	-	6	•	997·2	0	NW	3	cpr.	45	85	7	4000	Nb	6	AC	8	2
Stornoway	1005·5	+3	NE	4	ophi.	41	85	6	4000	Cu Nb	9	-	9	•	1006·7	+2	N	4	cph.	40	85	6	4000	Cu Nb	8	-	8	3
Wick	999·4	+1	NNW	5	c	46	75	8	4000	Cu	5	Ci	7	•	1000·1	+1	NNW	5	c/r	42	85	8	4000	Cu Nb	6	Ci	8	3
Castlebay	1008·0	+3	NW	4	bc	46	75	8	4000	St Cu	5	-	5	•	1009·6	+2	NNW	5	bc(s)	44	68	8	4000	St Cu	5	-	5	4
Nairn	*	*	*	*	*	*	*	*							1004·3	*	NNW	4	oPR	39	92	8	1500	Nb	9	-	9	•
Aberdeen	999·8	+2	NNW	5	cjp	45	85	8	2500	Cu Nb	4	A.St	8	2	1001·1	+2	NW	5	or.	41	92	8	2500	Cu Nb	9	-	9	0
Malin Head	1008·5	+2	NNW	6	cpr.	43	92	9	5700	Nb	7	-	7	•	1009·9	+2	NNW	5	cph.	43	85	9	5700	Cu Nb	3	C-C	7	4
Renfrew	1003·0	+2	NW	3	0	49	55	8	2500	St Cu	10	-	10	0	1005·1	+4	NW	4	cjp	47	65	8	1500	St Cu	8	-	8	•
Edinburgh (Inchkeith)	1001·3	+2	WNW	3	C+	48	65	8	*	Cu Nb	8	-	8	•	1002·6	+2	NNW	4					*	Cu Nb	9	-	9	•
Leuchars	1000·5	+3	NW	3	0	49	55	8	4000	St Cu	9	-	9	0	1002·0	+2	NW	4	0	47	65	8	4000	St Cu	9	-	9	3
Eskdalemuir	1001·7	+2	WNW	5	C	47	65	8	2500	St Cu	8	-	8	0	1004·4	+2	WNW	5	0+	37	85	7	1500	St Cu	9	Ast	9	0
Tynemouth	1000·4	+2	N	3	C-	46	75	7	4000	Cu	8	-	8	•	1003·1	+2	W	2	cpr.	43	92	6	4000	Nb	8	-	8	2
Blacksod Point ..	1013·5	+2	NW	5	bc	47	75	8	—	Cu Nb	6	—	6	•	1014·9	+1	NW	5	0	46	65	8	*	St Cu	10	-	10	4
Donaghadee	1006·6	+3	NNW	5	b	48	68	8	1500	Cu	2	-	2	•	1009·9	+2	NNW	4	b	45	75	8	1500	Cu	10	-	10	4
Birr Castle	1011·2	*	NW	2	cjp	45	75	8	4000	Cu	8	-	8	•	1013·0	*	NNW	3	c-	49	65	8	1500	Cu	6	Ci	7	4
Holyhead	1006·6	+4	NW	5	c	46	75	9	4000	Cu	8	-	8	0	1009·4	+2	WNW	6	bc	46	75	8	4000	Cu	5	AC	6	5
Liverpool (Bidston) ...	1004·2	+4	W	6	bc/r	43	75	7	1500	Cu Nb	6	-	6	•	1007·3	+4	NW	4	c/r	43	78	7	2500	Cu	5	AC	7	5
Chester (Shotwick) ...	1004·4	+4	WNW	6	c/r	47	65	8	2500	St Cu	7	-	7	1	1007·1	+3	NNW	6	c	47	55	8	2500	St Cu	7	-	7	5
Spurn Head	1000·3	+3	WNW	5	or	46	92	6	1500	Nb	10	-	10	•	1003·3	+4	WNW	7	or	42	85	6	1500	Nb	10	-	10	4
Birmingham (Edgbaston)	1004·5	+4	NW	5	0	43	75	6	4000	Cu Nb	10	-	10	*	1008·1	+3	WNW	6	b(s)	39	85	6	4000	Cu Nb	3	-	3	•
Nottingham	1002·4	+3	NW	5	c	43	75	6	1500	Nb	9	A.St	10	•	1005·6	+3	W	4	b-	46	65	6	1500	St Cu	8	Ci	8	2
Cranwell	1001·6	+2	WSW	4	or.	42	75	6	800	Nb	10	-	10	1	1003·9	+2	NNW	3	o/r	38	92	6	800	Nb	8	Ast	10	10
Gorleston	1001·9	+1	W S	3	cpr.	44	92	6	4000	Nb	10	-	10	•	1004·0	+1	W	4	cpr.	39	92	6	4000	Nb	10	-	10	0
Valencia (Cahirciveen)	1015·9	+4	NNW	5	C+	51	65	9	2500	St Cu	8	-	8	!	1015·2	+1	NW	4	c	49	65	9	2500	St Cu	6	Ast	8	3
Roches Point	1012·7	+3	NNW	4	C	52	66	8	4000	Cu	7	—	7	•	1014·8	+3	NNW	4	c	48	75	8	2500	St Cu	2	Ci	7	3
Pembroke (St. Ann's H.)	1009·3	+2	W'N	4	bc	46	75	8	4000	C	6	-	6	•	1012·2	+3	W'N	4	b(s)p	49	65	8	2500	Nb	4	-	4	4
Ross-on-Wye	1006·7	+4	NW	6	bc(s)p	47	65	9	4000	Cu Nb	6	-	6	1	1009·2	+4	NW'N	5	b-	47	66	9	4000	Cu	3	-	3	•
Beneon...	1006·4	+4	NW	5	cpr.	40	92	7	*	Cu Nb	7	-	7	1	1008·9	+3	NW	4	c+	44	85	9	*	Cu	8	-	8	•
Andover	1006·1	+4	W'N	4	b(s)p	45	65	8	2500	Cu Nb	5	-	5	1	1008·8	+3	W	6	b-	47	75	8	2500	Cu Nb	3	2	3	•
S. Farnborough ...	1005·4	+4	W	3	b(s)p	47	75	8	4000	Cu	4	Ci	6	2	1008·1	+4	W	3	or	44	85	7	1500	Cu Nb	9	-	9	•
London (Kew Obsy.) ...	1005·0	+3	W	5	b(s)p	45	75	8	2500	Cu Nb	3	Ci	4	1	1005·6	+4	W'S	4	c(s)p	45	65	7	1500	Nb	6	AC	7	•
Croydon	1005·1	+3	WSW	4	c/r	48	65	7	1500	Cu Nb	8	-	8	0	1005·5	+2	WSW	4	bc+	45	75	8	1500	Cu Nb	5	-	5	•
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1005·8	+4	WNW	5	bc	46	75	7	2500	Cu	5	-	8	3
Shoeburyness	1005·1	+3	SW	6	bc/r	47	65	7	1500	Cu	4	A.St	5	x	1006·8	+2	NW	1	bcPR	47	65	8	800	Cu Nb	4	-	4	•
Grain	1004·6	+4	SW	5	C	43	85	8	1500	Cu Nb	8	-	8	1	1007·6	+3	WSW	5	c	45	73	8	2500	Cu Nb	7	-	7	0
Lympne	1005·1	+4	WNW	7	cjp	50	65	8	1500	Cu Nb	5	Cist	7	2	1006·1	+5	W'S	5	b(s)p	46	65	8	2500	Cu Nb	5	AC	6	•
Scilly (St. Mary's) ...	1013·7	+4	NW	5	bc(s)	52	75	8	4000	Cu	3	Ci	4	•	1015·1	+2	WNW	5	bc	51	92	8	4000	Cu	3	C-St	5	4
Falmouth (Pendennis)	1013·1	+1	NW	4	oph.	49	75	8	4000	Cu	5	-	5	•	1014·6	+1	NW	3	bcPR	48	65	8	4000	Cu	4	-	4	0
Plymouth (Cattewater)	1011·0	+4	NW	5	bc-	50	55	8	4000	St Cu	6	-	6	•	1013·5	+3	WNW	5	bc-	48	75	8	4000	St Cu	3	Ast	5	0
Portland Bill	1007·2	+2	WNW	6	bc-	47	85	7	1500	Cu	5	-	5	•	1010·4	+4	WNW	6	bc	49	75	7	1500	Cu	5	-	5	6
Southampton (Calshot)	1006·6	+3	W'N	6	o)p	49	65	8	1000	Cu Nb	9	-	9	2	1010·2	+5	W'N	6	b-	49	55	8	4000	Cu Nb	3	-	3	3
Dungeness	1004·9	+2	WNW	5	bc(s)	50	75	8	-	-	0	A.St	6	•	1008·7	+4	W	5	c(s)(s)	43	75	8	5700	Cu Nb	7	-	7	5
Jersey	1011·1	+1	WNW	5	o/r	48	85	8	2500	Cu Nb	10	-	10	•	1014·1	+1	W	4	b/r	52	65	8	4000	St Cu	3	-	3	6

LONDON OBSERVATIONS.	WEATHER. Morning.	WEATHER. Afternoon.	WEATHER. Night.	TEMPERATURE. Max. °F.	TEMPERATURE. Min. °F.	TEMPERATURE. Min. on Grass. °F.	RAINFALL. mm. Day.	RAINFALL. mm. Night.	SUNSHINE to Sunset. hrs.	HUMIDITY. 15h. G.M.T. %	HUMIDITY. 9h. G.M.T. %
	24 HOURS ENDED 0900 G.M.T. 17th						YESTERDAY.				TO-DAY.
Kew .. } Croydon } 24 hours ended 0700	o/s/bc	hbc/cb	cu/bc/s.	*	*	32.	1	0·1	8·6	*	*
	o/hq/c	cbc/hq	bc/cb/b	*	*	33	1	1	9·5	*	*
Greenwich (Royal Obsy.) ..	bc/p	bc/rr/s	b/cp	54	37	31	2	-	8·3	69	68
City (Bunhill Row)	*	*	*	*	*	*	*	*	6·5	*	*
Westminster (St. James' Pk.)	*	*	*	53	38	34	2·6		8·0	70	67
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*	7·7	*	*
Camden Square..	c/p/c/h	c/t/h/bc	*	51	38	34	1	-	*	*	67
Kensington Palace	o/p/c/t/h	o/b	*	51	39	33	3	0·4	*	59 (18h)	67
Hampstead Observatory ..	*	*	*	49	36	29	Fr	0·3	8·0	*	62

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T. 16th

South Kensington

Max.	Time.	Min.	Time.
0·6	20h. 15th	0·3	1-4h. 16th
0·6	8h. 16th		

Kew Observatory

Max.	Time.	Min.	Time.
0·4	21h. 15th	0·3	3h. 16th
0·4	7h. 16th		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 16th 21 h 00 m. to 17th 03 h 00 m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	6·0	5·31	91
β Ursae Minoris	6·0	5·12	87

CODE FOR STATE OF GROUND

0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2 ins. deep).
4 = Bare ground frozen (but more than 2 ins. deep).
5 = Dew (or wet grass but not wet ground).
6 = Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7 = Snow (thin layer, often not continuous).
8 = Snow (deep, impeding traffic, usually a continuous layer.
9 = Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.†

Time.	Type.	No. per 4 hrs.	Stren.	Direc.
13h.	C/2	6	-	110°
18h.	C, C/2	6	-	145°
01h.	C, C/2	6	-	70°
07h.	C	5	-	115°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

17th & 18th May, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth ...	3.57 / 3.56	11.53 / 11.52	7.41 / 7.42
Greenwich ...	4.8 / 4.6	11.56 / 11.54	7.44 / 7.46
Wick	3.44 / 3.42	12.8 / 12.8	8.33 / 8.35
Valencia ...	4.46 / 4.45	12.27 / 12.31	8.17 / 8.18

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
)p precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
z unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

With present weather in 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; i = intermittent; ∴ = "decreasing"; ∴ = "increasing"; h(r) = "hail" or "rain and hail";
Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
rr = continuous moderate rain.
$r_o r_o$ = continuous light rain.

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

SEA DISTURBANCE.

0 = no swell } Calm or
1 = mod. swell } slight
2 = heavy swell } sea.
3 = no swell } Moderate
4 = mod. swell } sea.
5 = heavy swell }
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

† For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.–13h. 16th	13h.–18h. 16th	18h. 16th to 1h 17th	1h.–7h. 17th	TEMPERATURE. MAX. Day. 7h.–18h.	MIN. Night. 18h.–7h.	MIN. on GRASS	RAINFALL. Day. 7h.–18h. mm.	Night. 18h.–7h. mm.	Precipitation began.	Precipitation began.	SUN. 16th Hours.
Lerwick	bcph	bcpr	omf	c	49	41	•	0·4	7	1230	<2100	6·4
Stornoway	p	p	p	oo	45	36	•	2	0·4	-	-	7·8
Wick	obrc	rrir	cir	orrq	47	38	•	2	7	0800	<2100	•
Castlebay	chpbc	bchbc	bchbc	co	46	36	•	1	1	-	-	10·9
Nairn	dciR	iRscq	cirq	ciRq	46	36	•	2	1	0900	<2100	0·0
Aberdeen	rorcq	cqpr	cop	copq	48	37	32	2	1	0800	<2100	3·4
Malin Head	opr	phrv	ph.rv	phr0	46	36	•	0·6	1	0900	<2100	10·6
Renfrew	bcocy	oypr	co	oo	51	34	27	Trace	-	-	-	8·9
Edinburgh (Inchkeith)	co	oo	c	obc	52	37	33	-	0·2	-	2200	7·7
Leuchars	b.bcvo	ocpo	oo	oo	51	36	30	-	-	-	-	7·5
Eskdalemuir	c	coprso	oprs	oprsobc	48	31	25	1	1	1330	<2100	3·6
Tynemouth	opq	crpm	orrm	bbcm	47	36	32	0·3	S	0800	<2100	•
Blacksod Point		c	c	c	49	37	•	0·5	1	-	-	•
Donaghadee	bcqpv	bcq	cp	cq/p	48	35	•	0·5	2	0900	<2100	•
Birr Castle	copr	co	cobc	bc	51	37	33	0·2	-	0800	-	•
Holyhead	bcbcv	cvbc	bcbcp	bcc	48	41	39	-	0·1	-	2400	13·3
Liverpool (Bidston)	rtcph	cprh	cp	cp	48	36	34	1	0·4	1430	<2100	6·1
Chester (Shotwick)	orgfhqcqprhwq	cqpr	cprhq		49	36	34	3	2	0800	<2100	6·4
Spurn Head	rishr	qpr	c	bcrsq	46	?	•	0·3	1	1230	0330	2·9
Birmingham (Edgbaston)	c	hcrrh	c	c	48	35	32	1	0·2	0800	0630	6·8
Nottingham	ocr	cp	cp	c	51	35	31	Trace	0·3	0900	<2100	2·3
Cranwell	op	orrssrs	bcb	c	47	34	31	6	-	11·00	-	3·8
Gorleston	cp	lpcrh	orcbc	bcbq	50	35	31	2	2	1230	<2100	7·0
Valencia (Cahirciveen)	cbcc	c	cp					-		-		
Roches Point	cpcpqrbc	cp	cpo	cpob	51/53	44	39/42	0·3/0·4	0·5	-	-	8·4
Pembroke (St. Ann's H.)	c	cjp	bbc	c	50	42						11·2
Ross-on-Wye	bcvhpchbcqcthbcqcy	bcrbr	bcpbbr		51	37	34	1	1	1100	0130	9·7
Benson	cphrq	bcpq	cb	cb	51	31	25	2	0·6	1330	0230	•
Andover	copRhq	bcbccqrp	bcb	bobrc	52	33	31	1	1	0800	0530	10·0
S. Farnborough	oprhobc	bcprh	brhb	brh	53	35	31	4	3	0900	<2100	8·0
London (Kew Obsy.)	pipqbcqphbcyqfcubb			boorm	50	39	32	1	0·1	1230	0530	8·6
Croydon	cphqc	obcpbc	bcprb	borpb	50	38	33	10·5	1	0900	<2100	9·5
Clacton-on-Sea	bccpbcy	bccfpbc	bc	bcco	52	39	35	Trace	-	11·00	-	7·7
Shoeburyness	bccprq	bcbcqprf	bbx	bcco	51	36	30	0·6	0·2	0900	<2100	7·5
Grain	bqkqs	cprlq	cbcbb	bbcr	52	35	29	1	Trace	0900	0630	7·1
Lympne	bqprl	cprlr	bcbl	bxo	50	35	31	3	-	11·00	-	8·4
Scilly (St. Mary's)	bcp	bcq	coq/	oqpo	53	44	•	4	0·4	0800	2400	11·2
Falmouth (Pendennis)	bcprw	bcpr	bc	bc	53	43	•	2	-	1730	-	10·7
Plymouth (Cattewater)	orrcbc	bcpb	b	bbcp	51	43	38	5	1	0800	0430	9·4
Portland Bill	c	c	cbc	bcc	51	42	•	-	-	-	-	•
Southampton (Calshot)	cyPrq	cqphc	c	p	52	41	38	1	0·2	0800	0530	9·9
Dungeness	quiR	rhqrl	c	c	55	39	•	2	0·2	0900	<2100	•
Jersey	bqppc	opb	b	borr	52	46	•	5	4	0900	0730	10·3

ISALLOBARS. 17th May 1923.

POSITION NUMBERS. +2 +2 0 0 +4 3

Barometric Change from 4h. to 7h. (Half millibars)

Observations from Cross Channel Steamers.

Position	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility
2	16th 1000	Ibernia	NNW	6	by	?	48	?
3	17th 0200	Arundel	WNW	6	PH	46	50	8

GENERAL INFERENCE.

Pressure continues lowest over the Northern North Sea and winds will still be between W and N with cool showery weather, but bright periods.

Forecasts for the 24 hours commencing 15h. G.M.T. Thursday, 17th May, 1923.

Districts.		Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England	Wind N.W. or W., moderate or fresh, squally; bright periods, occasional thundery showers of rain or hail; visibility good; cool, slight frost locally at night.	None issued.
6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind N. or N.W., moderate or fresh, squally; variable cloud, occasional showers of rain or hail, snow on high ground; visibility good; cool, slight frost in places at night.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0850 G.M.T. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.

SYNOPTIC CHART FOR MORNING OF THURSDAY, 17TH. MAY 1923.

Scale - 1:10,000,000

Nautical Miles

Statute Miles.

Low Cloud.

TEMPERATURE
WEATHER,
SEA.

Bar. Changes Slight.

Barometer Rising Slowly

Baromerric Changes Slight.

Baromerric Changes Slight

HIGH

LOW

LOW

0 34 Fair

10 36 O'cast

0 30 O'cast

10 37 Drizzle

21 37 O'cast

41 O'cast 2

10 44 Cloudy

45 Fair 2

41 O'cast 27

35 40 Showers

41 O'cast 15

27 44 Fine

5 40 Fine

45 O'cast 5

43 Fair 15

41 Fair 5

43 Cloudy 27

39 Fair 15

15 40 Fine

15 45 Cloudy

21 43 Cloudy

5 41 Rain

10 45 O'cast

47 Showers 15

15 46 Rain

15 46 O'cast

50 Cloudy 2

46 Showers 5

5 48 Cloudy

0 52 Showers

48 Cloudy 0

2 48 Fine

46 Cloudy 2

50 Fine 2

55 Fine 0

41 Fine 21

46 Fair 21

998

1010

1008

1006

1004

1002

1000

1018

1016

1014

1012

1020

1022

1024

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

EXPLANATION

BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. Direction is shown by arrows flying with the wind. Force, on the scale 0—12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles

TEMPERATURE is given in °F

WEATHER SYMBOLS: ○ clear sky, ◔ sky ¼ clouded; ◑ sky ½ clouded; ◕ sky ¾ clouded; ● overcast sky; ⦿ rain falling; ✱ snow; ✱ sleet; ▲ hail; ≡ fog; ≡° mist; T thunder R thunderstorm.

SEA DISTURBANCE: ~~~ Rough, ≈≈≈ High

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

0.	Dense fog.	Objects not visible at	55 yards
1.	Rather thick fog	" "	220 "
2.	Very bad	" "	550 "
3.	Bad	" "	1,100 "
4.	Very poor	" "	1¼ miles.
5.	Poor	" "	2½ "
6.	Moderate	" "	6½ "
7.	Good	" "	13 "
8.	Very good	" "	31 "
9.	Excellent.	"	beyond 31 "

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION.....THURSDAY, 17th MAY.....1923. No. 137.

Observations at 0100 G.M.T. 17th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.‡ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	997.3	0	NW	2	orr	42	92	5	4000	Nb	10	-	10	*
Stornoway	1003.2	+2	NNW	6	PH	*	*	6	*	*	*	*	*	*
Wick	1000.5	-1	NW	4	bc/r	40	97	8	4000	CuNb	6	-	6	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1011.6	+1	NNW	6	b/s(w)	42	85	9	5700	CuNb	3	-	3	*
Renfrew	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh(Inchkeith)	1005.4	-1	WNW	4	b	39	75	8	-	St	1	-	1	*
Leuchars	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	1005.4	+1	W	2	orr	38	97	6	4000	Nb	10	-	10	*
Blacksod Point ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	1011.0	+1	NNW	5	bc+	43	86	8	2500	Cu	6	-	6	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1006.2	-1	W	5	b	41	85	7	-	-	0	-	0	*
Birmingham (Edgbaston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1006.6	+3	W'S	4	b	35	97	7	2500	St	1	-	1	*
Gorleston	1003.1	+1	WSW	3	bc/r	38	92	7	-	-	0	ASt	4	*
Valencia (Cahirciveen)	1013.4	0	NW	3	bc	45	92	7	-	StCu	6	-	6	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke(St.Ann's H.)	1014.1	+1	W'N	4	bc+	46	75	8	4000	StCu	5	-	5	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	*	*	*	*	*	41	*	*	*	*	*	*	*	*
Croydon	1011.7	+1	WSW	4	b	39	85	7	-	-	0	CuSt	2	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1012.0	+2	W	4	b	35	92	8	-	-	0	ASt	1	*
Scilly (St. Mary's) ...	1006.3	0	WSW	4	or.	48	92	8	4000	Nb	5	ASt	10	*
Falmouth (Pendennis)	1014.1	0	W	2	b	45	85	8	4000	Cu	3	-	3	*
Plymouth(Cattewater)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1013.7	+3	W	6	bc-	46	85	7	-	-	0	CuCu	4	*
Southampton(Ca.shot)	1013.8	+1	W'S	4	b	42	85	8	-	-	0	-	0	*
Dungeness	1011.9	+3	WNW	4	b	40	85	8	-	-	0	-	0	*
Jersey 7h)														*
Guernsey 1h)														

Observations at 0700 G.M.T. 17th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.‡ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1000.4	+3	N'E	3	c+	44	85	7	5700	StCu	4	ACu	5	2
Stornoway	1010.7	+3	N	6	0	41	65	6	4500	St	10	-	10	5
Wick	1004.0	+3	NW	4	or	40	97	7	2500	Nb	10	-	10	3
Castlebay	1014.0	+3	NNW	4	0	42	75	8	2500	StCu	10	-	10	4
Nairn	1005.8	*	NW	6	c/r	41	85	8	1500	CuNb	8	-	8	*
Aberdeen	1004.6	-1	NNW	7	o/c	40	92	7	1500	Nb	9	-	9	4
Malin Head	1014.8	+3	NNW	6	b/s(w)	44	85	9	5700	CuNb	3	Cu.Cu	3	6
Renfrew	1009.5	+2	WNW	4	0	41	65	8	1500	St	10	-	10	*
Edinburgh(Inchkeith)	1006.6	0	WNW	4	or	40	75	8	-	St	6	ASt	9	4
Leuchars	1005.2	0	WNW	6	0	42	65	8	1500	St	6	ASt	10	*
Eskdalemuir	1008.5	+1	NW	5	bc+	37	75	8	2500	Cu	6	-	6	*
Tynemouth	1006.9	+3	WNW	2	b	40	85	6	-	-	0	ACu	2	0
Blacksod Point ...	1013.1	+2	NW	4	bc	43	75	7	-	CuNb	6	-	6	4
Donaghadee	1013.4	+2	N	4	bc-	43	75	8	800	St	5	-	5	4
Birr Castle	1017.9	*	NW	2	bc-	41	85	8	4000	StCu	4	-	4	*
Holyhead	1013.2	+4	NW'N	6	c	43	75	7	2500	St.Cu	8	-	8	5
Liverpool (Bidston) ...	1010.6	+2	W'N	5	c-	40	75	8	1500	CuNb	8	-	8	7
Chester (Shotwick) ...	1011.2	+2	W	6	c/r	40	85	6	2500	StCu	8	-	8	6
Spurn Head	1008.0	+2	NNW	6	or	39	92	6	1500	Nb	10	-	10	4
Birmingham (Edgbaston)	1012.0	+2	WNW	4	c	37	92	6	4000	CuNb	7	-	7	*
Nottingham	1010.2	+2	NW	4	bc-	39	85	6	4000	Cu	5	-	5	*
Cranwell	1009.9	+2	W	4	or+	40	85	6	2500	St.Cu	9	-	9	*
Gorleston	1009.2	+1	W	4	b+	40	85	7	5700	Cu	2	-	2	1
Valencia (Cahirciveen)	1021.5	+4	N'W	4	c-	47	75	9	4000	StCu	8	-	8	3
Roches Point	1019.6	+3	NNW	4	b+	45	85	8	4000	Cu	2	-	2	0
Pembroke(St.Ann's H.)	1016.0	+2	NW	5	c	43	75	8	4000	Cu	7	-	7	4
Ross-on-Wye	1013.0	+2	WNW	3	bc-	42	75	9	4000	Cu	4	-	4	*
Benson	1012.2	+1	W	3	bc	42	85	8	2500	Cu	3	A.Cu	4	*
Andover	1012.5	0	WNW	4	c+	42	85	8	2500	StCu	7	-	7	*
S. Farnborough ...	1012.0	0	W	2	o/c	39	97	7	2500	Nb	7	A.Cu	9	*
London (Kew Obsy.) ...	1012.3	+1	W'S	2	or.	41	85	6	1500	Nb	6	A.St	9	*
Croydon	1012.1	+1	W'S	3	or.r.	39	92	7	1500	Nb	7	A.St	10	*
Clacton-on-Sea ...	1014.8	+1	WNW	3	o+	41	85	7	1500	Cu	2	A.St	10	0
Shoeburyness	1011.5	0	W'N	2	o+	42	75	7	2500	StCu	7	A St	10	*
Grain	1011.9	+1	W'S	4	or.r.	42	85	8	1500	Nb	9	A.St	10	0
Lympne	1011.8	0	WNW	4	0	41	85	8	4000	StCu	7	A.St	10	*
Scilly (St. Mary's) ...	1018.2	+1	NW	4	obr.	47	75	8	4000	CuNb	10	-	10	A
Falmouth (Pendennis)	1017.2	+1	WNW	5	c+	47	75	7	4000	Cu	8	-	8	0
Plymouth(Cattewater)	1015.7	+3	NNW	2	c/p	44	85	9	2500	StCu	8	-	8	0
Portland Bill	1013.3	-2	W'N	5	bc+	47	85	7	1500	StCu	6	-	6	5
Southampton(Ca.shot)	1013.2	0	W	4	o/p	43	85	9	2500	Nb	4	ASt	10	0
Dungeness	1013.5	0	WSW	3	d	43	85	8	-	-	0	ASt	10	4
Jersey 7h)	1004.4	-1	W	4	orr	46	92	6	1500	Nb	10	-	10	6
Guernsey 1h)														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR.....16th MAY.....

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 15h-16h. °F.	Temperature. Max. Day. 16h. °F.	Rainfall.† Night 17h.-9h. 15h-16h. mm.	Rainfall.† Day 9h.-17h. 16h. mm.	Sunshine. Sunrise to 17h. 16h. hr.	Sunshine. Sunrise to Sunset. 15h. hr.
Montrose	*	*	37	50	4	-	5.2	2.4
Llandudno	pcbh	cbbc	37	49	8	2	5.7	4.2
Colwyn Bay ...	cbc	bc	37	49	8	-	5.6	5.7
Rhyl	pc	bchbc	40	48	4	1	5.7	5.2
Southport	rbcbc	bcchq	40	49	5	0.2	5.2	3.3
Blackpool	poc	pq	40	49	1	1	4.0	6.0
Ilkley	mopo	prsc	34	49	2	6	1.0	6.0
Harrogate	ohr	orc	34	43	1	10	2.0	7.2
Skegness	co	cwrso	36	50	1	8	2.7	3.4
Aberystwyth ...	rcb	b	40	47	4	-	8.5	8.0
Bath	bcprc	bprns	38	53	1	0.3	8.4	3.6
Leamington Spa ...	bc	c	41	50	1	-	7.3	2.2
Lowestoft	cbcp	bcp	38	53	1	1	6.1	5.2
Felixstowe	bc	bcprh	40	50	-	1	8.2	5.6
Southend	cbcp	cp	40	52	-	5	7.4	4.2
Ilfracombe	bcb	bbcc	44	49	-	-	8.2	7.8
Bude	rbc	cbcbc	42	51	6	-	7.2	9.6
Penzance	cpbc	bc	44	53	3	1	9.5	9.1
Paignton	cbq	bcqp	41	55	0.3	1	7.4	5.4
Torquay	cbrc	cbcbc	43	55	0.3	1	6.8	4.4
Weymouth	cpc	cpc	42	56	1	0.3	7.1	2.0
Bournemouth ...	cbc	bc	38	54	0.3	0.3	8.5	1.9
Portsmouth (S'thses)	bcp	bchrs	43	52	1	1	8.3	1.8
Worthing	rbc	Hrbc	39	54	-	1	8.7	2.6
Brighton	p	p	40	53	-	3	8.1	2.6
Eastbourne	bc	bccpc	43	53	2	1	8.5	1.4
Hastings	bcb	pbc	42	52	1	2	8.6	1.8
Folkestone	bcp	bcqp	40	56	2	3	7.4	4.8
Tonbridge Wells ...	cpbc	bcchp	38	51	0.3	3	7.9	2.1
Ramsgate	bcr	abcrc	40	54	2	1	6.0	3.2
Margate	cbcp	cbcp	42	51	1	1	6.5	1.3
Deal	ocp	qrcr	42	55	1	2	7.1	4.8

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm ‡ For code see page 3. ‡ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22457 FRIDAY, 18th MAY 1923.

STATIONS.	Observations at 1800 G.M.T. 17th: Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.* 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.	Observations at 1800 G.M.T. 17th: Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.* 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form	Total Amt. 0-10	Sea. 0-9
Lerwick	1003.5	+3	N	3	0pr$_0$	44	92	6	4000	Nb	8	A.Cu	10	•	1007.4	+6	N	4	ogg	43	85	6	4000	Nb	10	–	10	3
Stornoway	1012.4	+2	N	5	0	44	65	6	450	St.	10	·	10	•	1015.2	+3	N	5	o	43	75	6	450	St	10	–	10	4
Wick	1004.8	+5	NW	5	or$_0$	45	92	7	1500	Nb	7	A.Cu	10	•	1010.9	+6	NW	4	cr$_0$	43	97	7	4000	Cu Nb	8	–	8	3
Castlebay	1016.0	+4	NW	4	4/f	45	65	8	1500	St.	10	-	10	•	1017.6	+1	NNW	4	o	43	75	8	2500	St	10	–	10	4
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	•	1013.3	–	NW	4	c	43	85	8	4000	Cu	7	–	7	•
Aberdeen	1005.8	+4	NW	6	ORR	42	97	6	1500	Nb	10	-	10	2	1004.1	+3	NW	6	c/r	44	97	7	1500	Nb	8	–	8	4
Malin Head	1016.7	+2	NNW	6	cpl$_0$	44	85	8	5700	St.Cu	8	-	8	•	1017.9	+1	NNW	6	cpr$_0$	45	85	8	5700	Nb	6	ACu	8	4
Renfrew	1011.4	+2	WNW	4	c-	50	55	8	5700	St.Cu	7	-	7	0	1014.2	+3	WNW	4	c	46	65	8	4000	St.Cu	8	–	8	•
Edinburgh (Inchkeith)	1007.8	+1	WNW	5	bc	47	65	8	*	St.Cu	9	-	9	•	1011.6	+4	NW	4	bc-	47	65	8	–	Cu	5	–	5	•
Leuchars	1007.4	+3	NW	6	o-	46	55	8	4000	St.Cu	7	A.St	9	0	1010.3	+5	NW	6	c	48	65	8	4000	St.Cu	7	–	7	•
Eskdalemuir	1009.6	+2	W'N	6	c	47	55	8	4000	St.Cu	10	-	10	0	1012.5	+3	NW'W	4	bc	44	65	8	2500	St.Cu	5	–	5	•
Tynemouth	1008.0	+1	WNW	3	o/r	45	75	6	-	-	0	A.St	10	•	1003.7	+3	WNW	3	o/r	50	75	6	4000	Cu	5	ACu	9	1
Blacksod Point	1021.0	+2	NNW	4	c	48	75	9	*	Cu Nb	8	-	8	•	1021.0	0	NW	2	c	50	75	9	–	Cu Nb	8	–	8	4
Donaghadee	1015.6	0	N	4	c	47	75	8	1500	St.Cu	3	-	3	•	1017.4	+2	N	3	bc+	47	65	8	800	Cu Nb	6	–	6	4
Birr Castle	1019.6	*	W	2	c+	49	65	8	4000	St.Cu	8	-	8	•	1020.3	–	WNW	3	o+	51	65	7	4000	St.Cu	9	–	9	•
Holyhead	1016.4	+2	NW'W	5	bc	48	75	8	4000	Cu	4	-	4	0	1017.7	+1	NW'N	6	c	48	75	8	4000	Cu	3	ACu	7	6
Liverpool (Bidston)	1013.9	+2	W	6	b	48	65	8	2500	St.Cu	2	Ci.St	3	•	1015.7	+2	WNW	4	bc	46	55	8	4000	Cu	2	ACu	4	6
Chester (Shotwick)	1014.3	+3	WNW	6	bc-	50	65	8	4000	St.Cu	4	A.Cu	6	1	1015.9	+1	NW	6	bc	47	55	8	2500	Cu	5	–	5	•
Spurn Head	1009.8	+1	WNW	5	c	51	65	7	5700	Cu	3	Ci.St	8	•	1011.7	+2	WNW	5	o/r	45	85	7	4000	Nb	10	–	10	4
Birmingham (Edgbaston)	1013.8	+2	NW	6	c	50	65	8	4000	Nb	8	-	8	x	1015.8	+2	NW	6	c	46	65	6	4000	Cu	7	–	7	•
Nottingham	1011.7	+2	NW	5	bc	50	65	7	2500	Cu	5	Ci	6	•	1013.8	+3	NW	6	bc	48	55	7	1500	St.Cu	6	–	6	•
Cranwell	1011.5	+1	WNW	4	c	50	55	6	4000	Cu	5	A.Cu	7	1	1013.6	+2	W'S	5	bc	48	55	7	2500	St.Cu	4	ACu	5	•
Gorleston	1011.0	+2	WNW	3	c/r	45	75	7	4000	Cu	7	-	7	•	1002.9	+1	W'S	2	c	46	75	6	4000	St.Cu	8	–	8	
Valencia (Cahirciveen)	1023.2	+2	WNW	3	c	51	65	7	2500	St.Cu	5	A.St	8	0	1022.7	–1	W	3	o+	50	85	8	1500	St	6	ASt	10	3
Roches Point														•														
Pembroke (St. Ann's H.)	1019.6	+3	NW	4	bc	49	65	8	4000	Cu	3	-	3	•	1019.6	0	NW	3	c+	50	65	8	4000	St.Cu	7	–	7	3
Ross-on-Wye	1015.5	+3	NW	3	bc/p	48	65	9	4000	Cu 46	2b	A.St	6	5	1017.0	+2	WNW	5	bc	47	55	9	4000	St.Cu	4	ACu	5	•
Benson	1014.2	+2	WNW	W	bc-	49	65	9	—	Cu	5	—	5	1	1016.3	+2	W	3	o+	47	75	9	2500	St.Cu	9	–	9	•
Andover	1015.0	+3	WNW	4	b/p	47	65	8	2500	Cu Nb	5	-	5	1	1017.2	+3	N'W	5	c/p	49	65	8	2500	Cu Nb	7	–	7	•
S. Farnborough	1014.1	+3	W	4	bc-	53	55	8	4000	Cu	4	Ci	5	1	1016.2	+3	W'N	4	c/r	47	75	8	4000	St.Cu	8	–	8	•
London (Kew Obsy.)	1013.5	+2	W	3	b/r	49	55	8	2500	Cu Nb	5	-	5	1	1015.6	+3	W'N	3	bc	51	55	8	2500	Cu	5	–	5	•
Croydon	1013.3	+2	WNW	4	c/r	49	55	7	2500	Cu Nb	8	-	8	0	1015.1	+3	WNW	3	bc	50	55	7	2500	Cu	3	Ci	5	•
Cleeton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	1013.9	•	•	1012.6	0	W	3	bc	53	55	7	4000	Cu	5	–	5	0
Shoeburyness	1012.6	+2	NW	6	bc/R	48	55	8	1500	Cu Nb	6	-	6	•	1012.6	+2	WNW	3	bc/r	51	55	8	4000	St.Cu	4	–	4	0
Grain	1012.6	+1	NW	4	bc	51	55	8	2500	Cu	6	-	6	1	1014.5	+2	N'W	4	c/p	49	55	8	2500	Cu Nb	7	–	7	•
Lympne	1012.5	+1	NW	4	c	48	55	7	4000	Cu Nb	6	A.St	7	0	1014.6	+2	WNW	3	bc	49	55	6	4000	Cu	3	ACu	4	•
Scilly (St. Mary's)	1020.7	+2	NW'N	5	bc	52	65	8	4000	Cu	5	-	5	•	1021.9	+3	NWW	4	bc+	50	75	8	4000	Nb	4	Ci Cu	6	4
Falmouth (Pendennis)	1020.2	+2	N	5	bc	49	55	8	4000	Cu	5	-	5	•	1021.9	+1	NW	3	bc	49	55	8	4000	Cu	5	–	5	0
Plymouth (Cattewater)	1018.7	+4	NNW	5	bc-	48	55	8	4000	St.Cu	6	-	6	0	1020.4	+4	NW	4	b-	49	65	9	2500	Cu	3	–	3	0
Portland Bill	1016.5	+3	WNW	5	bc	52	85	7	-	-	0	A.Cu	6	0	1017.0	+2	WNW	5	bc-	50	85	7	-	-	8	Ci Cu	4	5
Southampton (Calshot)	1015.9	+3	NNE	4	bc/p	45	75	8	4000	Cu Nb	6	-	6	0	1017.4	+3	WNW	4	c/p	48	65	8	4000	Cu	7	–	7	0
Dungeness	1013.1	+1	N	3	c	47	65	8	4000	Cu	7	-	7	•	1014.8	+1	WNW	3	bc	51	55	8	–	–	0	ACu	4	4
Jersey	1018.3	+1	NW	4	bc/r	52	65	8	—	-	0	ACu	4	•	1019.9	0	NW	4	b-	52	65	8	–	–	0	ACu	1	6

LONDON OBSERVATIONS.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 HOURS ENDED 0900 G.M.T. 18th:								YESTERDAY.		TO-DAY.
Kew	obcbrb	cbcbobc	bcb3m	*	*	30	0.1	–	9.1	*	*
Croydon	24 hours ended 0700 r0r0bly	c/bcy	bcy3p	*	*	32	0.1	–	10.0	*	*
Greenwich (Royal Obsy.)	c/p	cbc0	bobc	55	39	30	–	–	7.7	80	61
City (Bunhill Row)	*	*	*	*	*	*	*	*	7.5	*	*
Westminster (St. James' Pk.)	*	*	*	56	39	34	0.5		8.8	81	61
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	0	9.3	*	*
Camden Square	cbcc	cbc	*	57	39	34	–	–	*	*	89
Kensington Palace	bc.h	bc	*	54	39	33	0.4	–	*	81(18h)	89
Hampstead Observatory	*	*	*	58	37	29	–	tr	10.6	*	60

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1800 G.M.T. 17th:

South Kensington

Max.	Time.	Min.	Time.
0.6	20h. 16th.	0.3	2h. 17th.
0.6	7h. 17th.		

Kew Observatory

Max.	Time.	Min.	Time.
0.3	20h. 16th.	0.3	rest of day.
0.3	7h. 17th.		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 17th 7h. 00m. to 18th 0h. 00m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	6.0	5.38	94
δ Ursae Minoris	6.0	5.11	86

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.†

Time.	Type.	No. per ½ hour.	Strength.	Direc.
13h.	C	6	-	95°
15h.	C	4	-	155°
01h.	C	5	-	20°
07h.	C	8	-	150°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

18th & 19th MAY, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.55 / 3.53	11.49 / 11.49	7.42 / 7.44
Greenwich	4.6 / 4.5	11.56 / 11.56	7.46 / 7.47
Wick	3.42 / 3.43	12.8 / 12.8	8.35 / 8.37
Valencia	4.45 / 4.24	12.37 / 12.37	8.28 / 8.29

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
ip precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
z unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

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; i = intermittent; – = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";

Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
rr = continuous moderate rain.
r_0r_0 = continuous light rain.

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

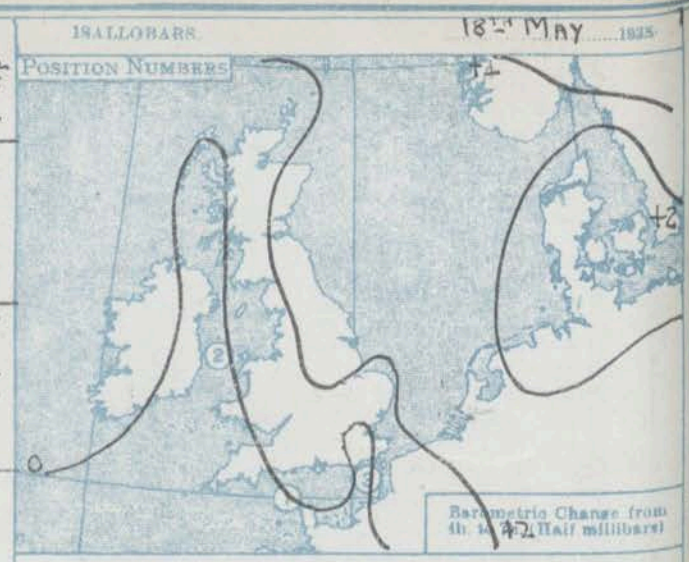
SEA DISTURBANCE.
0=no swell } Calm or
1=mod. swell } slight
2=heavy swell } sea.
3=no swell } Moderate
4=mod. swell } sea.
5=heavy swell }
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

* For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. † For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h.	13h.-18h.	18h. to 1h.	1h.-7h.	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS	RAINFALL. Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. Hours.
Lerwick	omor	or₀	0	0	47	36	•	3	0·2	1100	<2100	1·9
Stornoway	00	0	c	00	45	37	•	—	0·1	—	—	1·0
Wick	rrir₀	oir₀q	oir₀	oprh	45	36	•	7	1	<0800	<2100	•
Castlebay	opo	oco	o	opo	46	41	•	0·3	2	—	—	2·3
Nairn	cqd	leqpe	cqqv	cqq	46	37	•	0·1	—	1100	2200	1·9
Aberdeen	rersq	orrqe	cpr₀q	bc	45	37	32	16	0·2	<0800	<2100	0·5
Malin Head	phorv	cov	pr₀co	cov	46	40	•	0·5	trace	—	<2100	5·4
Renfrew	ocyv	cyber	co	oo	50	33	25	—	—	—	—	7·1
Edinburgh (Inchkeith)	oo	cbc	bcb	co	50	37	33	trace	—	—	—	4·2
Leuchars	oo	ocq	cbc	bcco	53	35	27	—	—	—	—	5·4
Eskdalemuir	oo	ebc	bcb	bbcco	52	30	26	—	—	—	—	6·8
Tynemouth	mir	op₀qpq	cm	bbcm	50	36	32	0·3	—	1100	—	•
Blacksod Point	c	c	c	c	51	36	•	0·6	2	—	—	•
Donaghadee	bcp	c	c	bc	48	39	•	trace	—	0900	—	•
Birr Castle	bcco	co	co	co	52	39	30	—	—	—	—	•
Holyhead	cpobc	bce	cbcpo	coc	49	43	41	trace	0·4	0900	<2100	9·9
Liverpool (Bidston)	bbe	bbe	c	c	~~5~~9	40	39	—	0·2	—	<2100	9·9
Chester (Shotwick)	p	br c } bcq }	bccq	co	51	40	35	trace	—	0900	—	8·7
Spurn Head	c	corq	bbc	c	51	!	•	1	—	<0800	—	5·4
Birmingham (Edgbaston)	c	borbe	c	c	51	37	33	—	—	—	—	8·6
Nottingham	c	c	cb	bbc	52	38	34	—	—	—	—	10·4
Cranwell	ocbco	cbc	becm	co3	53	37	32	—	—	—	—	10·7
Gorleston	bcocp	eqp₀	odbcb	bcc	53	36	32	0·3	0·3	1230	<2100	7·6
Valencia (Cahirciveen)	c	co	op	opc	52	47	44	—	1	—	22.00	2·0
Roches Point												
Pembroke (St. Ann's H.)	c	bbc	c	c	51	42	•	—	—	—	—	12·3
Ross-on-Wye	bcvcp₀	p₀bcg₀y	bcvc	oo	52	41	36	0·1	—	1230	—	11·3
Benson	epb	bca	cb	bcco	53	36	30	0·1	—	0900	—	•
Andover	cprhbc	bcc	cprhbc		52	33	30	0·1	0·2	0900	<2100	10·9
S. Farnborough	cphbc	bccpr	cr₀b	bo	56	36	32	0·6	0·2	<0800	<2100	10·1
London (Kew Obsy.)	obcprhbc	bcpobc	bcbycmc	mcc	53	41	30	0·2	—	<0800	—	9·1
Croydon	r₀r₀phy	epobcy	bcy3o	co	52	39	32	0·1	—	<0800	—	10·0
Clacton-on-Sea	ocbcy	bcy	bcy	bcc	53	38	34	—	—	—	—	9·0
Shoeburyness	ocbcpq	bcprobc	bcb	bcc	54	38	34	1	—	0900	—	8·8
Grain	acc	bcyp₀q	cjpbb	bbo	54	37	29	trace	—	1100	—	8·8
Lympne	ocr₀	cbcm₀	bcm	bx	52	34	29	trace	trace	<0800	—	7·8
Scilly (St. Mary's)	bcq	bccq	co	ocp	52	47	•	0·2	1	<0800	0130	8·8
Falmouth (Pendennis)	bc	bc	bc	bccp	51	45	•	—	trace	—	0630	10·0
Plymouth (Cattewater)	cbcq	bcq		bo	51	42	38	0·3	—	<0800	—	11·0
Portland Bill	c	bcb	bchc	c	53	44	•	—	0·2	—	0130	
Southampton (Calshot)	p	bcpc	bbc	oo	52	41	37	0·1	—	<0800	—	9·2
Dungeness	c	bcpc	bbc	bbc	53	36	•	0·1	—	—	—	
Jersey	b	brcbp	b	bco	54	46	•	1	—	0900	—	7·2



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	17th 1000	Hibernia	NNW	6	b	47	48	8
1	17th 1100	Reindeer	NW	6	hhv	50	51	7
3	18th 0300	Brigwin	NW	5	bcv	47	53	9

GENERAL INFERENCE.

The anticyclone to the West and Southwest of the British Isles will maintain W. to NW. winds, which, however, will be less strong than of late. Weather will be mainly fair, but there is still a possibility of local showers, while some slight rain or drizzle may occur in the extreme NW. and N. Conditions will continue cool for a day or two, but somewhat higher day temperatures may be expected.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Friday, 18th May, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Wind W. or NW., light or moderate; mainly fair, but local showers not improbable; visibility good; cool, but day temperature rising somewhat, risk of night frost.	Becoming fairer with somewhat higher temperature, but risk of night frost locally.
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind westerly, moderate; cloudy, probably slight rain or drizzle; visibility moderate or good; cool.	
~~17. N.W. Ireland~~ 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 1 - 13.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0930 GMT. G. C. SIMPSON, F.R.S., Director.

§ For Code see opposite page.

SYNOPTIC CHART FOR MORNING OF FRIDAY, 18TH MAY, 1923.

Scale - 1:10,000,000

Nautical Miles 100 0 100 200

Statute Miles. 100 0 100 200

5 36 O'cast. 1010

2 34 Sleet

34 Sleet

LOW 1006 Bar.

15 43 Showers

Falling Slowly

1012

15 37 Drizzle

1014

5 39 O'cast.

1016

1018

1020

1022

1024

1026

1028

1030

1032

Barometer Falling Slowly

2 40 O'cast.

42 10 O'cast.

21 46 Cloudy

47 15 O'cast.

5 41 Fair

Barometer Rising Slowly

43 2 O'cast.

LOW

46 2 Cloudy

LOW

996

1000

1002

1004

1006

1008

1010

HIGH

"MONTROSE" 15 48 Sea 51 O'cast.

"INNESDORA" 50 O'cast.

43 2 Cloudy

45 21 Cloudy

49 10 Cloudy

Bar.

5 47 Cloudy

5 44 Fair

43 15 Fair

21 46 Cloudy

1010

5 44 Cloudy

5 46 Fair

Inclined to Fall

10 50 O'cast.

15 50 O'cast.

5 45 Fine

5 45 Fine

Barometer Steady or Rising Slowly

10 50 O'cast.

2 45 Fine

5 39 Fine

2 48 O'cast.

5 48 O'cast.

5 54 Rain

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

Low Cloud.

TEMPERATURE WEATHER SEA

EXPLANATION

BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. Direction is shown by arrows flying with the wind. Force, on the scale 0–12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.

TEMPERATURE is given in ° F.

WEATHER SYMBOLS: ○ clear sky, ◔ sky ¼ clouded, ◑ sky ½ clouded, ◕ sky ¾ clouded, ● overcast sky, • rain falling, ✱ snow, * sleet, ▲ hail, ≡ fog, =° mist, T thunder, ⚡ thunderstorm.

SEA DISTURBANCE: ~~~ Rough, ≈≈≈ High.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

0.	Dense fog. Objects not visible at	55	yards
1.	Rather thick fog " "	220	"
2.	Very bad " "	550	"
3.	Bad " "	1,100	"
4.	Very poor " "	1½	miles.
5.	Poor " "	2	"
6.	Moderate " "	5	"
7.	Good " "	12	"
8.	Very good " "	31	"
9.	Excellent. " "	beyond 31	"

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.....FRIDAY 18TH MAY.....1923. No.138.

Observations at 0100 G.M.T.....18h.....

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1011.2	+3	NNW	4	0	39	75	7	5700	St.Cu	3	A.St	10	•
Stornoway	1016.3	0	N	4	0+	•	•	5	•	•	•	•	•	•
Wick	1013.9	+3	NW	2	c/v	39	85	8	4000	Cu Nb	3	A.St	8	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1019.2	0	NNW	4	0	44	85	9	5700	St.Cu	3	-	9	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1015.0	+3	NW	3	b-	40	75	8	-	St.Cu	1	-	1	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1014.6	+3	W	1	b-	40	85	7	-	-	0	A.Cu	3	•
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1018.8	0	N'W	4	c/r	45	85	8	2500	Cu	7	-	7	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1013.9	+1	WNW	6	bc+	44	75	7	4000	St.Cu	5	-	5	•
Birmingham (Edgbaston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1016.7	+2	WSW	3	c+	39	85	6	2500	St.Cu	7	-	7	•
Gorleston	1014.5	0	W	3	b-	40	85	7	-	-	0	A.St	2	•
Valencia (Cahirciveen)	1012.6	0	NW	3	0	49	97	7	-	St	10	-	10	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1013.9	0	NW	3	c	47	55	8	4000	St.Cu	7	-	7	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)...	•	•	•	•	•	43	•	•	•	•	•	•	•	•
Croydon	10185	+1	WSW	2	0+	41	85	7	2500	St.Cu	9	-	9	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1018.0	+2	WNW	4	b	36	92	8	-	-	0	-	0	•
Scilly (St. Mary's) ...	1023.1	0	W	3	0+	49	92	8	4000	St.Cu	10	-	10	•
Falmouth (Pendennis)	1022.7	0	W	3	b-	45	92	7	-	-	0	-	0	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1013.8	0	NNW	5	ch/c	46	85	7	2500	Cu Nb	7	-	7	•
Southampton (Ca.shot)	1010.0	+1	W'S	4	bc+	43	85	8	4000	St.Cu	4	-	4	•
Dungeness	1017.6	+3	N	3	b	37	97	8	-	-	0	-	0	•
Jersey 7h)														
Guernsey 1h)														

Observations at 0700 G.M.T.....18h.....

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1013.2	+2	NW	2	0	39	75	7	5700	St.Cu	8	A.St	10	1
Stornoway	1016.4	0	WSW	1	0-	40	85	7	800	St	9	-	9	0
Wick	1015.1	+1	WNW	1	0/sh	38	92	8	1500	Cu Nb	10	-	10	0
Castlebay	1017.7	0	WNW	4	0	45	85	7	1500	St	10	-	10	3
Nairn	1017.3	0	→	0	c	40	85	8	1500	St	8	-	8	•
Aberdeen	1016.2	+3	NW	4	bc	42	75	7	4000	St.Cu	3	Ci.St	5	0
Malin Head	1019.2	0	W	5	c	46	92	9	4000	Cu	1	A.Cu	8	3
Renfrew	1018.4	+2	W	3	0	42	75	7	4000	St.Cu	10	-	10	•
Edinburgh (Inchkeith)	1017.0	+4	WNW	3	0+	40	85	7	-	St	10	-	10	2
Leuchars	1016.8	+2	NW	3	0	43	65	8	-	-	0	Ci.St	9	•
Eskdalemuir	1018.4	+3	NW	2	0	38	75	7	4000	St.Cu	10	-	10	•
Tynemouth	1017.0	+2	NW	2	bc	41	85	6	2500	St	2	A.Cu	5	2
Blacksod Point ...	1020.9	+1	NNW	4	0	47	85	8	-	Cu Nb	9	-	9	4
Donaghadee	1019.4	0	W	2	bc	44	85	8	2500	St.Cu	2	A.Cu	5	3
Birr Castle	1021.5	•	WNW	1	c-	43	97	8	4000	St.Cu	7	-	7	•
Holyhead	1020.2	+2	NW'N	5	c	45	85	8	2500	Cu	5	A.Cu	8	5
Liverpool (Bidston) ...	1018.8	+1	NW	3	0+	44	75	7	2500	St	10	-	10	•
Chester (Shotwick) ...	1018.9	+2	NW.	4	0	45	75	7	2500	St	10	-	10	•
Spurn Head	1006.7	+3	NW	5	0+	43	75	6	1500	St	3	A.Cu	9	4
Birmingham (Edgbaston)	1019.2	+2	WNW	4	c⊕	42	75	6	4000	St.Cu	4	Ci.St	8	•
Nottingham	1017.8	+2	NW	2	bc+	44	75	6	-	-	0	A.Cu	6	•
Cranwell	1018.3	+3	NW	3	0	42	75	6	2500	St.Cu	10	-	10	•
Gorleston	1016.3	+1	WNW	4	bc-	43	75	6	4000	Cu	4	-	4	0
Valencia (Cahirciveen)	1022.9	+1	NW	3	c-	49	86	8	1500	St	7	-	7	4
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1024.0	0	WNW	2	c	47	65	8	4000	St.Cu	8	-	8	3
Ross-on-Wye	1019.8	+1	WNW	2	0	45	75	8	4000	St.Cu	10	-	10	•
Benson...	1019.3	+1	WNW	2	0+	43	75	8	4000	St.Cu	9	-	9	•
Andover	1019.5	0	W'N	2	0+	43	85	7	5700	St.Cu	10	-	10	•
S. Farnborough ...	1019.1	0	W	3	0+	44	75	7	-	-	0	A.St	10	•
London (Kew Obsy.)...	1019.4	+1	W'N	2	c-	44	85	7	2500	St.Cu	8	-	8	•
Croydon	1018.8	0	W	2	0	43	75	7	4000	St.Cu	10	-	10	•
Clacton-on-Sea ...	1017.3	+2	WNW	3	c	41	85	7	1200	St.Cu	8	-	8	0
Shoeburyness	1018.1	+1	NE	3	c+	44	75	7	-	-	0	A.Cu	8	•
Grain	1018.5	+2	WNW	5	0+	44	75	7	4000	St.Cu	9	-	9	0
Lympne	1018.0	0	WNW	4	b	43	85	7	4000	St.Cu	2	-	2	•
Scilly (St. Mary's) ...	1022.0	-1	W'N	3	0	50	92	8	4000	St.Cu	9	-	9	4
Falmouth (Pendennis)	1022.2	0	W	1	cbr	49	85	7	4000	Cu Nb	7	-	7	0
Plymouth (Cattewater)	1021.4	0	-	0	0-	46	85	7	4000	St.Cu	8	A.Cu	10	0
Portland Bill	1019.6	-2	NW	5	c	47	75	7	-	-	0	A.St	10	0
Southampton (Ca.shot)	1021.1	+2	WNW	3	0-	45	75	6	5700	St.Cu	10	-	10	4
Dungeness	1018.4	+2	N	3	bt	48	65	8	-	-	0	A.Cu	3	3
Jersey 7h)	1014.5	0	WNW	4	0	50	75	8	2500	St.Cu	10	-	10	3
Guernsey 1h)														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR.....17TH MAY.....

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 16h.-17h. °F.	Temperature. Max. Day. 17h.- °F.	Rainfall.† Night 17h.-9h. 16h.-17h. mm.	Rainfall.† Day 9h.-17h. 17h. mm.	Sunshine. Sunrise to 17h. 17h. hr.	Sunshine. Sunrise to Sunset. 16h. hr.
Montrose	x	x	39	50	-	-	4.2	7.2
Llandudno	bcp	pcbp	38	50	2	2	7.9	6.7
Colwyn Bay ...	cph	hc	38	50	1	1	7.3	7.1
Rhyl...	bc	bc	36	49	1	-	5.0	7.5
Southport	bcb	b	37	50	3	-	11.4	6.7
Blackpool	cv	c	40	50	1	-	10.8	5.4
Ilkley	xbcb	b	32	53	-	-	10.1	1.6
Harrogate	b	bbc	34	52	0.3	-	9.4	2.8
Skegness	ocb	b	38	56	1	-	7.3	2.7
Aberystwyth ...	rbc	b	38	49	2	-	8.5	9.7
Bath	bckpr	prhbc	40	53	0.3	1	7.4	10.7
Leamington Spa ...	c	c	36	52	-	-	8.6	8.0
Lowestoft	bcopsn	cpco	35	53	2	0.1	7.8	6.0
Felixstowe	bc	bc	37	53	0.3	-	8.9	8.5
Southend	bc	bc	36	55	0.4	-	7.3	8.4
Ilfracombe	b	b	44	51	10	-	11.3	9.7
Bude	bc	bc	45	51	-	-	8.8	8.2
Penzance	bc	bc	45	55	1	-	9.0	11.4
Paignton	cpp	bccplcpy	41	54	1	-	10.3	9.1
Torquay	pcbc	b	43	56	2	0.2	9.7	8.6
Weymouth	bcp	cpbc	42	57	1	1	9.0	8.1
Bournemouth ...	bc	bcb	39	53	2	1	7.0	10.8
Portsmouth (S'thsea)	bcb	bcb	42	56	-	-	8.1	10.3
Worthing	cbc	bc	38	53	-	-	7.0	10.8
Brighton	ocb	b	40	54	1	-	6.8	9.8
Eastbourne... ...	ocbc	cpbbc	40	55	0.1	0.1	6.2	10.1
Hastings	ocpshs	ocbcb	36	52	2	0.4	5.8	9.8
Folkestone	bc	bc	35	53	-	-	6.5	8.2
Tunbridge Wells ...	bcb	bcb	35	54	1	-	7.4	8.3
Ramsgate	bcb	b	35	53	2	-	8.3	6.8
Margate	ob	b.bc	37	51	1	-	6.5	6.9
Deal	oc	bc	37	55	-	-	8.0	8.1

TERMS OF SUBSCRIPTION.—6/8 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Intermediate for these colonies not usually received. † Trace = rain has fallen, but amount less than 0·1 mm § For code see page 5. ‡ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22458 SATURDAY 19th MAY 1923.

Observations at 1300 G.M.T. 18th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.	Sea.
Lerwick	1014·4	0	W	1	c-	43	65	8	-	-	0	ASt	8	*	0-1
Stornoway	1013·4	-2	WSW	2	opc	47	75	7	800	St	10	-	10	*	0-0
Wick	1014·9	0	WNW	1	o/r	43	92	8	4000	Cu Nb	5	ASt	10	*	0-3
Castlebay	1017·3	0	WNW	2	orc	47	85	7	800	Nb	10	-	10	*	0-0
Nairn	*	*	*	*	*	*	*	*						*	
Aberdeen	1016·7	+1	NW	3	or	45	75	7	1500	Nb	10	-	10	1	1-0
Malin Head	1018·4	-0	WNW	2	bc	50	85	9	4000	Cu	4	CiCu	6	*	1-2
Renfrew	1017·3	-3	SW	4	or	47	86	6	1500	Nb	10	-	10	1	1-2
Edinburgh (Inchkeith)	1017·0	-1	W	2	o	47	75	7	-	Cu	3	CiSt	10	*	1-2
Lanchars	1016·8	-0	W	3	orc	46	75	7	2500	Nb	4	ASt	10	5	1-2
Eskdalemuir	1015·0	0	W	2	orc	44	85	7	2500	Nb	10	-	10	1	1-2
Tynemouth	1017·7	0	ENE	2	bc	46	86	7	4000	Cu Nb	2	CiCu	4	*	1-2
Blacksod Point ..	1021·9	+2	NW	4	o	52	75	9	-	Cu Nb	9	-	9	*	4-2
Donaghadee	1019·0	-1	W	3	c+	52	65	8	4000	StCu	8	-	8	*	2-2
Birr Castle	1021·6	*	W	1	o/r	52	75	6	4000	StCu	9	-	9	*	2-2
Holyhead	1021·0	+1	NWbW	3	b-	50	75	9	4000	Cu	2	ACu	3	0	1-0
Liverpool (Bidston) ...	1019·7	0	WNW	3	c+	47	65	8	1500	StCu	8	-	8	*	2-2
Chester (Shotwick) ...	1019·6	0	WNW	5	c	50	65	8	4000	StCu	3	ACu	8	1	1-0
Spurn Head	1018·5	+2	N	4	o	45	75	7	4000	StCu	10	-	10	*	3-0
Birmingham (Edgbaston)	1019·8	0	NW	3	o	46	65	6	4000	StCu	10	-	10	*	3-0
Nottingham	1018·3	0	NW	3	o	47	65	5	1500	Nb	10	-	10	*	3-0
Cranwell	1019·1	0	WSW	2	o	47	65	8	4000	StCu	10	-	10	0	3-0
Gorleston	1017·7	+1	NNW	4	c+	51	65	7	4000	Cu Nb	7	-	7	*	1-0
Valencia (Cahirciveen)	1024·1	+2	NW by N	4	c-	51	75	9	2300	StCu	7	-	7	1	3
Roches Point														*	
Pembroke (St. Ann's H.)	1021·8	0	NW	3	bc	49	65	8	4000	StCu	1	Cu	4	*	3
Ross-on-Wye	1019·4	0	NWbW	3	o+	51	65	9	4000	StCu	10	-	10	0	1-0
Benson...	1019·2	0	variable	4	o	50	65	8	*	StCu	9	-	9	0	*
Andover	1019·5	-0	WNW	3	o	51	55	8	4000	StCu	10	-	10	0	*
S. Farnborough ...	1019·7	0	WNW	2	o	51	65	8	4000	StCu	10	-	10	0	*
London (Kew Obsy.) ...	1019·6	0	NW	2	o	51	55	8	4000	StCu	10	-	10	1	*
Croydon	1018·5	-1	WNW	3	o	52	55	7	4000	StCu	9	-	9	0	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Shoeburyness	1019·4	+1	NW	2	o+	51	55	8	4000	Cu	3	ACu	5	*	0-0
Grain	1019·2	+1	WNW	3	o	50	65	8	2500	StCu	10	-	10	0	1-0
Lympne	1018·7	0	NW	3	o	50	65	7	4000	StCu	10	-	10	0	*
Scilly (St. Mary's) ...	1021·5	+1	NWbW	5	c-	55	85	8	4000	StCu	8	-	8	*	2-0
Falmouth (Pendennis)	1021·3	0	-	0	bc/r	53	85	8	4000	Cu	5	-	5	*	2-0
Plymouth (Cattewater)	1020·7	-0	SW	3	c-	52	75	8	4000	StCu	8	-	8	0	2-0
Portland Bill	1020·5	0	WSW	3	o+	51	92	7	1500	StCu	10	-	10	*	3-0
Southampton (Calshot)	1020·3	0	NNW	3	o	51	55	8	4000	StCu	10	-	10	0	3-0
Dungeness	1019·8	0	NW	3	c	54	55	7	4000	Cu Nb	8	-	8	*	2-0
Jersey	1021·4	0	variable	4	o/r	54	75	8	4000	StCu	10	-	10	*	2-0

Observations at 1800 G.M.T. 18th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea.
Lerwick	1010·9	-3	SW	1	c	43	75	7	5700	StCu	4	CiSt	7	0-1
Stornoway	1011·6	-4	WSW	2	c	49	65	7	800	St	10	-	10	0-0
Wick	1012·0	-3	SSW	2	orc	44	92	8	1500	St	4	ASt	10	0-3
Castlebay	1014·0	-1	SW	4	o/c	47	92	7	800	St	10	-	10	0-0
Nairn	*	*	SW	1	c	49	75	8	4000	StCu	7	-	7	
Aberdeen	1012·8	-2	SE	2	orc	48	92	7	1500	StCu	8	-	8	0-0
Malin Head	1017·4	-1	variable	4	oc	47	97	8	1500	StCu	9	-	9	1-2
Renfrew	1015·9	-2	variable	3	orc	47	85	7	2500	Nb	7	ASt	10	1-2
Edinburgh (Inchkeith)	1014·0	-3	SW	2	c	47	85	7	*	-	0	CiSt	10	1-2
Lanchars	1013·9	-3	SSW	1	c	45	85	7	5700	StCu	5	ASt	10	1-2
Eskdalemuir	1016·0	-2	SW	3	orc	44	85	7	1500	Nb	10	-	10	1-2
Tynemouth	1016·3	-1	SE	2	orr	42	97	6	4000	Nb	10	-	10	1-2
Blacksod Point ..	1021·1	-1	NW	4	c	46	85	7	*	Nb	10	-	10	4-2
Donaghadee	1017·9	-1	SW	2	cp	49	85	8	1500	St	6	-	8	2-2
Birr Castle	1020·5	*	SW	2	c	51	75	8	4000	StCu	9	-	9	2-2
Holyhead	1019·1	-2	SSW	4	c	48	75	8	4000	StCu	10	-	10	2-2
Liverpool (Bidston) ...	1018·5	-2	SW	3	c+	48	68	8	4000	StCu	4	ASt	10	2-2
Chester (Shotwick) ...	1019·1	-1	SW	4	c	50	65	8	4000	StCu	1	ASt	10	2-0
Spurn Head	1018·0	0	SE	1	c	45	75	7	-	-	0	ASt	10	3-0
Birmingham (Edgbaston)	1018·4	-1	SSW	4	c	48	65	7	4000	StCu	3	CiSt	10	3-0
Nottingham	1017·8	-1	SW	2	c	48	65	8	1500	St	7	ASt	10	3-0
Cranwell	1018·1	-1	-	0	c	46	75	6	2500	St	10	-	10	3-0
Gorleston	1015·0	0	SW	3	c	47	65	8	5700	StCu	9	-	9	1-0
Valencia (Cahirciveen)	1023·6	-1	NW	4	c	48	75	8	1500	StCu	8	-	8	3
Roches Point														
Pembroke (St. Ann's H.)	1021·1	-1	SW	1	c	47	65	8	4000	StCu	10	-	10	3
Ross-on-Wye	1018·2	-1	SSW	1	c	50	65	9	4000	StCu	9	ASt	10	1-0
Benson...	1018·9	0	SW	1	c	46	85	8	*	St	10	-	10	*
Andover	1018·9	0	variable	2	c	49	65	7	4000	StCu	10	-	10	*
S. Farnborough ...	1018·6	-1	SW	1	c	48	75	8	2500	StCu	10	-	10	*
London (Kew Obsy.) ...	1019·0	-1	SW	1	c	49	66	8	2500	StCu	10	-	10	*
Croydon	1018·6	0	SSW	2	c	49	65	6	4000	StCu	10	-	10	*
Clacton-on-Sea ...	1018·0	0	variable	2	c	49	65	6	1500	StCu	10	-	10	0
Shoeburyness	1018·8	-1	SW	1	c	49	65	6	4000	St	8	ASt	10	*
Grain	1018·3	-1	W	3	c	48	75	7	5700	StCu	8	ASt	10	1-0
Lympne	1018·7	0	SSW	2	c	46	75	6	5700	StCu	7	ASt	10	*
Scilly (St. Mary's) ...	1021·5	0	S	1	b	53	75	8	4000	Cu	3	-	3	2-0
Falmouth (Pendennis)	1020·7	-1	SSW	3	b/c	51	63	8	-	-	0	-	0	2-0
Plymouth (Cattewater)	1020·1	0	SSW	4	b	52	65	9	4000	StCu	1	-	1	2-0
Portland Bill	1020·0	-4	WSW	3	o	50	85	7	1500	StCu	10	-	10	3-0
Southampton (Calshot)	1019·3	-1	SW	3	o	51	65	7	5700	StCu	10	-	10	3-0
Dungeness	1018·4	0	SW	2	o	50	65	7	4000	StCu	10	-	10	2-0
Jersey	1020·3	0	SW	4	c	52	85	8	4000	StCu	7	-	7	3-0

LONDON OBSERVATIONS

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. inch. Day.	Rainfall. inch. Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 HOURS ENDED 0900 G.M.T. 19th								YESTERDAY.		TO-DAY.
Kew .. } 24 hours ended 0700	cay	o/o3	2bc nb	*	*	32	-	-	3·2	*	*
Croydon }	obcay	oy3	2bc nbw	*	*	31	-	-	3·4	*	*
Greenwich (Royal Obsy.) ..	co	o	obo	54	40	34	-	-	3·6	60	68
City (Bunhill Row)	*	*	*	*	*	*	*	*	3·3	*	*
Westminster (St. James' Pk.)	*	*	*	55	41	38	-	-	5·1	62	76
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*	5·0	*	*
Camden Square..	c	co	*	57	42	39	-	-	*	*	73
Kensington Palace	co	o	*	52	41	36	-	-	*	65(18h.)	75
Hampstead Observatory ..	*	*	*	53	40	33	-	-	5·0	*	79

ATMOSPHERIC POLLUTION.
Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1800 G.M.T. 18th

South Kensington Max.	Time.	Min.	Time.
-	-	-	-

Kew Observatory Max.	Time.	Min.	Time.
-	-	-	-

POLE STAR RECORD at Greenwich Obsy.

Exposure from 18th 21h 00m to 19th 03h 00m

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	6·0	3·0	50
δ Ursae Minoris	6·0	0·22	6

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.§

Time.	Type.	No. per 4 sec.	Strength.	Direc.
13h.				
18h.	Cc	7	-	170
01h.	Cc	6	-	160
07h.	C	6	-	145

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

19th 20th May, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth ...	3·53 / 3·51	11·49 / 11·49	7·44 / 7·46
Greenwich ...	4·8 / 4·4	11·56 / 11·56	7·47 / 7·48
Wick	3·40 / 3·38	12·8 / 12·8	8·37 / 8·39
Valencia ...	4·2 / 4·0	12·37 / 12·37	8·42 / 8·42

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
ip precipitation within sight of station.
p passing showers r rain.
s snow. ru sleet. t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

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; i = intermittent; — = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";

Capital letters indicate intende, suffix o indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
rr = continuous moderate rain.
ro/o = continuous light rain.

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

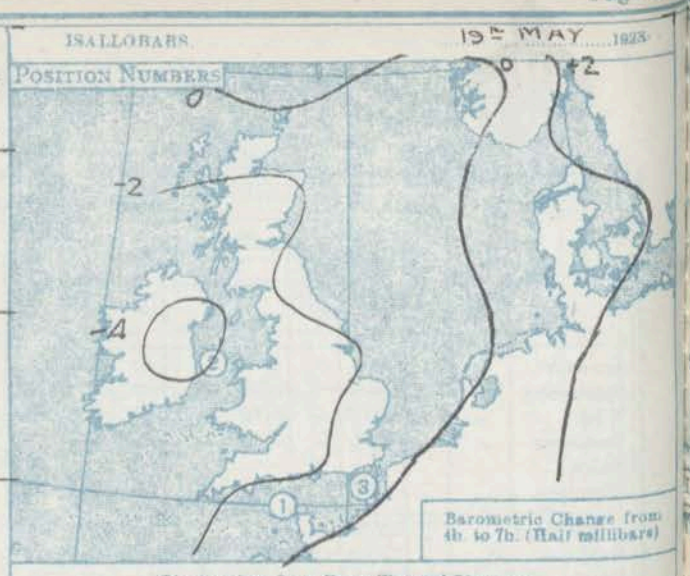
SEA DISTURBANCE.
0=no swell } Calm or slight sea.
1=mod. swell } Calm or slight sea.
2=heavy swell } Calm or slight sea.
3=no swell } Moderate sea.
4=mod. swell } Moderate sea.
5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

† For explanation see Instructions. ‡ Information for these columns not usually received. § The barometric change is expressed to half millibars. ¶ For code see page 2.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 18th	13h.-18h. 18th	18h. 18th to 1h 19th	1h.-7h. 19th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 18th Hours.
Lerwick	oo	c	owr	c	44	37	•	-	3	-	<2100	1.9
Stornoway	oo	oo	r-d	c	50	44	•	0.3	1	•	-	0.5
Wick	phrdo	ovir.	oir.o	oo	46	42	•	0.6	0.2	4080	<2100	•
Castlebay	or.	r.v.	orro	or.	48	47	•	1	2	-	-	0.1
Nairn	cpy	bedeq	cdbf	cbc	50	45	•	1	0.2	11.00	<2100	0.4
Aberdeen	coir.	coir.	pr.co	co	46	43	37	0.4	0.2	11.00	<2100	3.9
Malin Head	cor	coid.	oir.	omr	51	45	•	0.1	2	1730	2400	5.1
Renfrew	orr.	orr.	or.	omd.	49	44	41	2	0.2	11.00	<2100	0.0
Edinburgh(Inchkeith)	oo	oo	oo	oc	48	44	42	-	-	-	-	2.3
Leuchars	oo	oir.	oo	oo	50	43	38	Trace	-	1230	-	3.1
Eskdalemuir	oor.	oir.	oiro	oodm	48	41	40	1	2	11.00	<2100	1.4
Tynemouth	b-bcm	orrm	ir.m	oom	47	41	40	2	2	1330	<2100	•
Blacksod Point ...	c	c	oo	oo	52	34	•	0.3	0.4	-	-	•
Donaghadee	c	cp	or	cp	55	44	•	-	1	-	2200	•
Birr Castle	pr.co	co	cvb.	co	53	45	42	0.2	Trace	12.30	-	•
Holyhead	bcpv	bbcov	ooid.	od.r.	53	46	46	-	0.5	-	0130	7.8
Liverpool (Bidston) ...	cbc	oo	oo	oo	50	44	42	-	Trace	-	-	4.5
Chester (Shotwick) ...	oro.c	oo	oor.	oo	53	46	43	0.1	Trace	0900	2200	4.0
Spurn Head	c	p	r-d	opdmc	48	?	•	Trace	0-6	1530	0230	2.1
Birmingham (Edgbaston)	oo	oo	c	c	48	42	40	-	-	-	-	1.1
Nottingham	oo	oom	p.	moo	49	42	41	-	Trace	-	<2100	0.2
Cranwell	oo	oom	d.m	r.	50	42	39	-	0.6	-	2200	2.0
Gorleston	bcc	cbcc	oid.	cmo	53	41	38	-	-	-	-	8.2
Valencia (Cahirciveen)	bccv	C.ofr	p		53	47	43	0.2	15	0900		4.4
Roches Point	bc	0/10										
Pembroke(St.Ann's H.)	b-bc	bcc	oo	oo	53	46	•	-	-	-	-	7.6
Ross-on-Wye	ovcv	ovy	orbcco	obac	53	43	36	-	0.4	-	0330	1.9
Benson...	co	co	o	ocbob	52	35	30	-	0.1	-	0630	•
Andover	ooy	oyo	ocbc	coo	52	35	29	-	-	-	-	1.0
S. Farnborough ...	oo	o	o	o	54	35	31	-	-	-	-	0.7
London (Kew Obsy.)...	coy	oyoz	ozomb	bom	51	41	32	-	-	-	-	3.2
Croydon	obcoy	oyz	ozmbw	bwom	53	38	31	-	-	-	-	3.4
Clacton-on-Sea ...	coy	oyoz	oz	ocz	53	39	34	-	-	-	-	0.5
Shoeburyness	co	ocmoow	om	om	54	39	33	-	-	-	-	2.5
Grain	oo	oo	oo	oom	53	38	33	-	-	-	-	3.9
Lympne	bcco	om	om	omw	50	39	33	-	Trace	-	-	5.3
Scilly (St. Mary's) ...	cbc	cbc	bc	bcc	56	46	•	-	-	-	-	8.3
Falmouth (Pendennis)	corbc	bcb	bco	ocb	54	47	•	2	Trace	4080	0130	5.0
Plymouth(Cattewater)	orbc	bcbv	bbc	bbccpo	55	47	44	Trace	1	4080	0430	9.3
Portland Bill	co	o	cbc	bccor	53	44	•	-	0.4	-	0430	7
Southampton(Calshot)	oo	oo	ocbow	oo	53	42	37	-	-	-	-	2.0
Dungeness	b-bc	c	oo	oo	54	42	•	-	-	-	-	•
Jersey	obcpo	obco	oco	oco	55	45	•	0.3	-	0900	-	2.8



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	18th 1815	Iberia	WNW	3	bv	50	48	?
3	19th 0200	Arundel	N	2	bc	49	51	7

GENERAL INFERENCE.

The southerly movement of the Atlantic anticyclone and the persistance of the depression in in the North is causing a gradual change to a westerly type of distribution. Small secondaries crossing the British Isles will cause slight rain in places, especially in the North, but pright periods will occur in most places and temperature will rise somewhat.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Saturday, 19th May, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind westerly, light or moderate; cloudy, slight rain in places, improving later; visibility moderate to good; temperature rising somewhat.	Temperature rising gradually; weather unsettled but some bright periods especia? in the South.
4. W. Midlands 5. S.W. England 6. South Wales	Wind W to N.W. moderate; cloudy, probably some showers; visibility moderate to good; temperature rising somewhat.	
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland	Wind westerly moderate or fresh; cloudy, occasional rain or drizzle; visibility moderate to good; temperature rising somewhat.	
19. S.E. Ireland 20. S.W. Ireland	As for 4 - 6.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0900 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.

SYNOPTIC CHART FOR MORNING OF SATURDAY, 19TH. MAY 1923.

Scale - 1:10,000,000

Nautical Miles

Statute Miles

HIGH

Barometer

Steady.

LOW

Falling

Slowly.

HIGH

"ADRIATIC"

"LAPLAND"

SCANDINAVIAN SHIP

LOW

LOW

Low Cloud.

TEMPERATURE, WEATHER, SEA.

EXPLANATION

BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. Direction is shown by arrows flying with the wind. Force, on the scale 0–12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.

TEMPERATURE is given in ° F

WEATHER SYMBOLS: ○ clear sky, ◐ sky ½ clouded; ◍ sky ¾ clouded; ● overcast sky; ● rain falling; ✱ snow; ✱ sleet; ▲ hail; ≡ fog; ⁼° mist; T thunder R thunderstorm.

SEA DISTURBANCE: Rough, High

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

0.	Dense fog. Objects not visible at	55	Yards
1.	Rather thick fog " "	220	"
2.	Very bad " "	550	"
3.	Bad " "	1,100	"
4.	Very poor " "	1¼	miles.
5.	Poor " "	2½	"
6.	Moderate " "	6	"
7.	Good " "	12½	"
8.	Very good " "	31	"
9.	Exce'lent. "	beyond 31	"

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4. BRITISH SECTION.....SATURDAY, 19th MAY.....1923. No. 139

1007·7

Observations at 0100 G.M.T. 19h

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.‡ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1008·5	-4	SSE	4	drr	42	97	6	4000	Nb	10	-	10	•
Stornoway	1008·0	-4	W	3	r	•	•	4	•	•	•	•	•	•
Wick	1006·1	-5	SW	3	0	45	97	8	-	-	0	AST	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1013·3	-2	WSW	5	or	47	97	7	2500	St	10	-	10	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh(Inchkeith)	1010·7	-3	SW	3	c-	46	92	7	-	StCu	7	-	7	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1012·9	-2	W	2	o/c	49	92	6	2500	St	10	-	10	•
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1016·4	-2	WNW	4	od	48	85	8	2500	Nb	10	-	10	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1015·0	-2	WSW	5	odd	45	85	6	800	St	10	-	10	•
Birmingham (Edgbaston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1016·7	-3	SW'W	3	or	42	92	6	1500	St	10	-	10	•
Gorleston	1017·1	-1	SW'S	2	od	44	92	7	4000	Nb	10	-	10	•
Valencia (Cahirciveen)	1013·2	-1	NNW	1	cPR	47	85	8	-	St	7	-	7	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke(St.Ann's H.)	1018·3	-2	NW	3	0	49	85	8	2500	StCu	10	-	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	*	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	*	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)...	*	•	•	•	•	44	•	•	•	•	•	•	•	•
Croydon	1017·9	-2	SW'W	2	b-	42	85	6	-	-	0	-	0	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness... ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1017·6	-1	NNW	2	0	40	92	6	4000	St	9	-	9	•
Scilly (St. Mary's) ...	1021·3	-2	NW	2	bc+	50	92	8	4000	Cu	4	-	4	•
Falmouth (Pendennis)	1019·1	-3	SW	1	0+	47	92	8	5700	StCu	10	-	10	•
Plymouth(Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1019·2	-2	NW	3	b-	46	92	7	-	-	0	CiCu	3	•
Southampton(Ca.shot)	1018·6	-2	NW	2	b	44	92	7	-	-	0	-	0	•
Dungeness	1017·9	-1	N	2	0	46	75	7	-	-	0	A.St	10	•
Jersey 7h }														•
Guernsey 1h }														

Observations at 0700 G.M.T. 19h

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.‡ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1002·9	-3	W	2	0-	46	92	7	4000	St	3	N.Cu	9	1
Stornoway	1005·6	-1	SW	3	c-	47	85	7	4000	Cu	7	-	7	2
Wick	1003·5	-2	WNW	1	c	47	85	8	4000	CuNb	8	-	8	0
Castlebay	9977	-2	W	4	drr	47	92	7	800	Nb	10	-	10	3
Nairn	1005·5	•	W	1	bc-	47	75	8	4000	Cu	2	Ci.Cu	5	•
Aberdeen	1006·4	-3	W	2	c	49	75	7	2500	St.Cu	9	-	9	0
Malin Head	1010·2	-2	W	5	drr	48	97	7	800	Nb	10	-	10	1
Renfrew	1009·0	-3	W	3	od	48	85	6	2500	Nb	10	-	10	•
Edinburgh(Inchkeith)	1006·9	-2	W	4	c	47	85	7	-	-	0	A.Cu	8	3
Leuchars	1006·7	-3	WSW	3	0	48	85	8	4000	St.Cu	8	A.Cu	10	•
Eskdalemuir	1009·9	-2	SW	4	od	44	92	6	1500	Nb	10	-	10	•
Tynemouth	1010·0	-2	W	2	0	46	97	6	4000	St.Cu	10	-	10	1
Blacksod Point ...	1015·4	-3	WNW	4	0	48	92	6	-	Nb	10	-	10	3
Donaghadee	1012·8	-4	WSW	3	0+	48	92	8	-	-	0	A.St	10	3
Birr Castle	1016·4	•	W	3	0	48	85	6	800	Nb	9	-	9	•
Holyhead	1014·4	-2	W	5	or	47	97	7	1500	Nb	10	-	10	3
Liverpool (Bidston) ...	1013·4	-2	W	4	0	47	85	8	1500	St	10	-	10	4
Chester (Shotwick) ...	1014·1	-1	W	3	or	49	75	7	2500	St	5	A.St	10	•
Spurn Head	1012·7	-3	NW'N	4	0-	46	92	6	4000	StCu	10	-	10	3
Birmingham (Edgbaston)	1014·7	-1	WSW	3	0	46	85	6	4000	St.Cu	10	-	10	•
Nottingham	1013·7	-2	W	3	or+	46	92	5	1500	Nb	10	-	10	•
Cranwell	1014·3	-1	WSW	3	0	45	92	6	4000	StCu	10	-	10	•
Gorleston	1015·2	-2	SW	2	o/c	44	85	6	4000	Nb	10	-	10	1
Valencia (Cahirciveen)	1019·7	-1	NNW	4	drr	48	85	7	1500	St	7	A.St	10	3
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke(St.Ann's H.)	1017·2	-1	NW	3	0	47	85	8	4000	StCu	10	-	10	3
Ross-on-Wye	1015·5	-2	SW'S	2	c-	49	85	8	3700	Cu	2	A.Cu	7	•
Benson...	1015·6	0	-	0	or	45	92	7	2500	St	10	-	10	•
Andover	1016·3	-2	SSW	1	0	43	97	7	4000	StCu	10	-	10	•
S. Farnborough ...	1015·9	-1	WSW	1	0	45	85	7	1500	StCu	8	A.St	10	•
London (Kew Obsy.)...	1016·1	-2	SW	2	0	46	75	6	4000	StCu	10	-	10	•
Croydon	1016·0	-2	SSW	3	0	45	75	6	5700	StCu	8	A.St	10	•
Clacton-on-Sea ...	1015·4	-1	WNW	2	c	40	85	5	7200	StCu	8	-	8	0
Shoeburyness... ...	1015·8	-2	WNW	2	mmc	48	75	6	-	-	0	A.St	10	•
Grain	1016·1	-1	SW	3	0	48	75	6	-	-	0	A.St	10	0
Lympne	1016·2	-1	WNW	2	0	45	85	6	5700	StCu	6	A.St	10	•
Scilly (St. Mary's) ...	1018·8	-1	NW	3	0+	49	85	7	4000	StCu	9	-	9	2
Falmouth (Pendennis)	1017·7	0	NW	3	0-	49	92	8	5700	StCu	10	-	10	0
Plymouth(Cattewater)	1017·4	-2	-	0	or	49	92	8	2500	StCu	10	-	10	0
Portland Bill	1017·8	-3	SW	2	or	49	92	6	4500	St	10	-	10	3
Southampton(Ca.shot)	1016·8	-3	WSW	3	0	46	85	7	4000	StCu	7	A.St	10	0
Dungeness	1014·2	-1	W	1	0	49	75	7	-	-	0	C.St	10	2
Jersey 7h }	1018·0	0	W	3	0	49	85	7	2500	StCu	10	-	10	3
Guernsey 1h }														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 18h MAY

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 17h.-18h. °F.	Temperature. Max. Day. 18h.- °F.	Rainfall.† Night 17h.-9h. mm.	Rainfall.† Day 9h.-17h. mm.	Sunshine. Sunrise to 17h. hr.	Sunshine. Sunrise to Sunset. hr.
Montrose	*	*	37	48	-	1	2·8	5·1
Llandudno	bc	cbc	41	51	2	-	6·9	8·1
Colwyn Bay ...								
Rhyl...	cbc	cbcc	41	50	0·3	-	5·1	9·0
Southport	bbc	bcco	42	50	-	-	3·6	13·0
Blackpool	oc	bco	42	52	-	-	4·6	11·6
Ilkley	bccoc	cgodo	36	50	-	-	2·1	11·5
Harrogate	o	o	36	48	-	0·1	1·7	10·6
Skegness	co	o	58	49	1	-	1·2	7·3
Aberystwyth ...	oct	b	42	51	0·3	-	6·5	10·0
Bath	ocbcc	co	11	52	-	-	2·7	9·2
Leamington Spa ...	cb	cbo	35	52	-	-	1·8	10·1
Lowestoft	cbcc	coco	36	50	0·3	-	3·6	7·8
Felixstowe	bg	bom	39	53	-	-	1·6	9·5
Southend	oc	o	38	54	-	-	2·7	8·8
Ilfracombe	ocbc	bcb	47	54	-	-	7·0	12·9
Bude	ocbcb	bcbcb	48	52	-	-	3·0	9·6
Penzance	orco	opbcb	46	58	1	Trace	4·0	10·5
Paignton	ooc	bcy	41	56	Trace	-	1·3	12·3
Torquay	c	b	44	56	-	-	1·8	12·1
Weymouth	obcc	co	44	57	-	-	2·0	10·7
Bournemouth ...	c	o	41	55	-	-	3·2	10·0
Portsmouth (S'thsea)	oc	oco	42	53	-	-	1·2	9·8
Worthing	oc	o	38	54	-	-	0·8	8·9
Brighton	cbc	o	41	52	-	-	0·1	8·4
Eastbourne... ...	oco	co	41	53	-	-	1·2	8·1
Hastings	cocbc	bcc	36	53	-	-	4·9	7·7
Folkestone	bc	b	37	53	-	-	3·6	7·6
Tunbridge Wells ...	cbc	co	37	52	-	-	3·3	9·0
Ramsgate	bcbbc	bcco	25	55	-	-	6·6	8·7
Margate	obcc	.	43	52	-	-	3·4	8·0
Deal	bbc	co	29	54	-	-	7·3	9·1

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but not enough to measure 0·1 mm. ‡ For code see page 2. ‡ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B22,459 Sunday, 20th May.....1923.

Observations at 1800 G.M.T. 19th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.* 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1001.8	0	W	2	obr.	49	75	7	4000	CuNb	8	-	9	•
Stornoway	1004.7	-1	WNW	3	C+	51	75	7	4000	Cu	8	-	8	•
Wick	1003.1	0	WNW	3	C	53	75	8	2500	CuNb	7	-	7	•
Castlebay	1006.7	-1	WNW	4	odd.	49	92	6	800	Nb	10	-	10	•
Nairn	*	*	*	*	*	*	*							•
Aberdeen	1005.3	-1	NW	2	cbr.	52	75	7	2500	CuNb	7	-	7	0
Malin Head	1008.3	-1	W	6	C-	51	92	7	4000	Cu	3	ACu	8	•
Renfrew	1007.7	-1	W	4	o/r	50	85	7	2500	StCu	10	-	10	1
Edinburgh (Inchkeith)	1006.1	-1	W	4	C	51	75	8	-	Cu	3	CiSt	3	•
Leuchars	1005.4	-1	W	4	o	55	65	8	4000	StCu	10	-	10	0
Eskdalemuir	1007.9	-2	W	4	orr	50	85	6	800	Nb	10	-	10	2
Tynemouth	1008.5	-1	W	3	or.	53	85	6	4000	Nb	10	-	10	•
Blacksod Point ...	1013.8	-1	WNW	4	0	50	85	7	-	-	0	ASt	10	•
Donaghadee	1011.3	-1	W	4	C-	54	85	8	1500	Cu	8	-	8	•
Birr Castle	1014.6	+	W	2	o/r	51	75	7	1500	StCu	9	-	9	•
Holyhead	1013.2	-1	SW	4	or.	53	85	8	1500	Nb	5	ASt	10	1
Liverpool (Bidston) ...	1011.9	-1	WSW	6	o/r	48	92	6	800	Nb	10	-	10	•
Chester (Shotwick) ...	1012.8	-1	W	4	o/r	51	85	7	1500	StCu	10	-	10	1
Spurn Head	1010.9	-2	SW	3	0	52	75	6	1500	St	10	-	10	•
Birmingham (Edgbaston)	1013.2	-1	W	4	or.	52	75	8	4000	CuNb	10	-	10	1
Nottingham	1012.2	-1	W	3	or.	52	75	6	1500	StCu	9	ASt	10	•
Cranwell	1012.9	-1	WSW	4	0	52	75	7	2500	St	10	-	10	1
Gorleston	1014.2	0	SW	3	0	54	65	6	2500	Cu	10	-	10	•
Valencia (Cahirciveen)	1018.5	-1	W	4	0	52	75	8	2500	StCu	4	ACu	9	•
Roches Point														
Pembroke (St. Ann's H.)	1016.2	-2	W	3	0	49	85	8	4000	StCu	10	-	10	•
Ross-on-Wye	1014.4	-1	WN	3	ov	54	65	9	4000	Cu	9	ACu	10	0
Benson...	1013.9	-1	WSW	2	0	54	65	8	-	StCu	10	-	10	0
Andover	1014.9	-1	WSW	3	0	55	65	8	4000	StCu	10	-	10	0
S. Farnborough ...	1014.5	-1	SW	3	o/r	57	65	7	1500	StCu	9	-	9	1
London (Kew Obsy.) ...	1014.2	-2	SW	3	0	55	65	7	4000	StCu	10	-	10	1
Croydon	1014.7	-2	SW	3	o/r	54	65	7	2500	StCu	7	ACu	10	0
Clacton-on-Sea ...	*	*	*	*	*	*	*	*						•
Shoeburyness ...	1014.2	-3	W	2	o/f	53	75	7	1500	CuNb	3	ASt	10	•
Grain	1014.3	-2	SW	4	0	54	65	8	1500	St	10	-	10	0
Lympne	1015.0	-1	WSW	4	0	52	75	8	2500	StCu	7	ACu	9	0
Scilly (St. Mary's) ...	1018.8	0	NW	3	C	56	75	8	4000	StCu	6	Ci	8	•
Falmouth (Pendennis)	1017.8	-1	N	2	0	52	75	8	5700	StCu	10	-	10	•
Plymouth (Cattewater)	1017.1	0	WNW	4	o/p	51	92	8	4000	StCu	10	-	10	2
Portland Bill	1016.3	-2	SW	4	C-	52	92	7	-	-	0	ACu	7	•
Southampton (Calshot)	1015.7	-1	SW	4	0-	50	85	8	4000	StCu	4	ASt	10	0
Dungeness	1015.1	-1	SW	4	C-	55	75	8	-	-	0	CiCu	8	•
Jersey	1017.2	0	W	4	o/r	52	85	7	2500	CuNb	10	-	10	•

Observations at 1800 G.M.T. 19th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.* 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1002.4	+2	N'W	2	bc-	46	75	8	5700	StCu	3	ACu	6	1
Stornoway	1003.4	-2	WNW	2	0	49	85	7	800	St	10	-	10	1
Wick	1002.8	0	NW	1	0	49	85	8	4000	CuNb	6	Ci	9	0
Castlebay	1002.2	-1	WSW	3	or.c	48	92	6	800	Nb	10	-	10	3
Nairn	1003.5	•	W	1	C+	50	85	8	4000	CuNb	8	-	8	•
Aberdeen	1004.7	0	SSE	1	or	49	92	6	2500	CuNb	9	-	9	0
Malin Head	1007.6	-3	W	6	or.	48	97	7	4000	Nb	7	ASt	10	4
Renfrew	1007.0	-2	W	4	o/r	51	85	7	800	Nb	7	ASt	10	•
Edinburgh (Inchkeith)	1005.6	0	WSW	4	or.	49	85	8	-	-	0	CiSt	10	3
Leuchars	1003.4	-1	W	4	or.	53	75	8	4000	Nb	10	-	10	•
Eskdalemuir	1007.7	0	WSW	3	dd.	48	85	7	1500	Nb	10	-	10	•
Tynemouth	1007.3	0	W	2	c/r	52	85	6	4000	StCu	8	-	8	1
Blacksod Point ...	1010.8	-2	NW	4	obr.	49	92	7	-	Nb	10	-	10	4
Donaghadee	1010.5	0	W	3	dd.	51	92	8	2500	St	9	-	9	2
Birr Castle	1012.5	+	W	3	0+	50	85	6	1500	StCu	9	-	9	•
Holyhead	1011.6	-2	SW	3	o/r	50	85	8	2500	St	10	-	10	3
Liverpool (Bidston) ...	1010.7	-1	WSW	4	o/r	50	85	8	2500	StCu	10	-	10	4
Chester (Shotwick) ...	1011.5	-1	WSW	3	0	51	75	8	4000	StCu	10	-	10	•
Spurn Head	1010.0	0	WSW	4	dd.	50	92	5	-	-	0	ASt	10	2
Birmingham (Edgbaston)	1012.3	-1	W	4	0	51	75	7	5700	StCu	10	-	10	•
Nottingham	1011.3	+1	WSW	3	0	51	85	5	1500	StCu	10	-	10	•
Cranwell	1011.9	0	SW'W	3	dd.	50	92	7	1500	Nb	10	-	10	•
Gorleston	1012.7	-2	SW	2	0-	53	75	6	4000	StCu	9	-	9	0
Valencia (Cahirciveen)	1015.6	-2	W'S	1+	0	50	85	7	1500	St	8	ASt	9	3
Roches Point														
Pembroke (St. Ann's H.)	1014.3	-2	W	3	0	48	85	8	4000	StCu	10	-	10	3
Ross-on-Wye	1013.6	0	SW	2	o/r	49	95	8	2500	Nb	10	-	10	•
Benson...	1013.3	-1	WSW	1	0	53	75	7	-	St	10	-	10	•
Andover	1013.8	0	WNW	4	0	52	75	8	5700	StCu	10	-	10	•
S. Farnborough ...	1013.3	-1	W	2	0	54	75	7	4000	StCu	10	-	10	•
London (Kew Obsy.) ...	1013.2	-1	WSW	2	0	55	65	6	5700	StCu	10	-	10	•
Croydon	1013.5	-1	SW'S	3	0	53	75	7	2500	StCu	6	ASt	10	0
Clacton-on-Sea ...	1012.8	0	WSW	3	0	54	65	6	5700	StCu	10	-	10	1
Shoeburyness ...	1013.3	-1	SW	2	0-	55	75	6	-	StCu	5	ASt	9	•
Grain	1013.2	-1	SSW	3	0	54	75	7	4000	St	10	-	10	0
Lympne	1014.0	0	SW	2	0	51	85	8	2500	StCu	9	ACu	10	•
Scilly (St. Mary's) ...	1017.4	-1	WNW	4	0	51	85	8	4000	StCu	10	-	10	2
Falmouth (Pendennis)	1017.4	-2	NW	3	0+	51	75	8	5700	StCu	10	-	10	0
Plymouth (Cattewater)	1015.6	0	NW	3	0	51	75	8	4000	CuNb	10	-	10	0
Portland Bill	1015.2	-4	SW	4	0	52	92	7	1500	St	10	-	10	4
Southampton (Calshot)	1014.4	-1	SW	4	C+	53	75	8	4000	StCu	8	-	8	0
Dungeness	1013.7	-1	SW	4	0	52	85	7	4000	StCu	10	-	10	4
Jersey	1016.3	0	W	4	C	54	75	7	-	-	0	ACu	7	3

LONDON OBSERVATIONS

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 Hours ended 0900 G.M.T. 20th.								Yesterday.		To-day.
Kew ...	0mod0	0	0m0	•	•	46	-	-	0·3	•	•
Orbydon } 24 hours ended 0700	0t2	0	0300	•	•	45	tr	-	0·8	•	•
Greenwich (Royal Obsy.) ..	od	0	0	59	47	46	tr	-	0·4	68	68
City (Bunhill Row)	*	*	*	*	*	*	*	*	0·1	*	*
Westminster (St. James' Pk.)	*	*	*	57	48		-	-	0·1	58	75
Regent's Pk. (Botanic Gdns)	*	*	*	*	*	*	*	*	0·6	*	*
Camden Square..	coc	oco	*	57	48	46	+	-	*	*	73
Kensington Palace	obbc	c	*	54	48	46	-	-	*	69(18h)	72
Hampstead Observatory ..	*	*	*						0·6	*	

ATMOSPHERIC POLLUTION.
Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T.....

South Kensington

Max.	Time.	Min.	Time.

Kew Observatory

Max.	Time.	Min.	Time.

POLE STAR RECORD at Greenwich Obsy.

Exposure from .....h.....m. to .....h.....m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris			
δ Ursae Minoris			

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1200 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.†

Time.	Type.	No. per ½ sec.	Stren.	Direc.
13h.	C_4	6	-	100
13h.	C_{C_2}	7	-	150
01h.	C	6	-	170
07h.	C_{C_1}	6	-	85

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

20th-21st May, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth ...	3.51	11.49	7.46
	3.50	11.49	7.48
Greenwich ...	4.4	11.56	7.48
	4.2	11.56	7.50
Wick	3.38	12.8	8.39
	3.36	12.8	8.41
Valencia ...	4.43	12.37	8.30
	4.41	12.37	8.32

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog, " less than 200 m.
jp precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
v unusual visibility. y dry air.
z dust haze: the turbid atmosphere of dry weather.

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; i = intermittent; - = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";
Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
rr = continuous moderate rain.
roro = continuous light rain.

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

SEA DISTURBANCE.

0=no swell } Calm or
1=mod. swell } slight
2=heavy swell } sea.
3=no swell } Moderate
4=mod. swell } sea.
5=heavy swell }
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

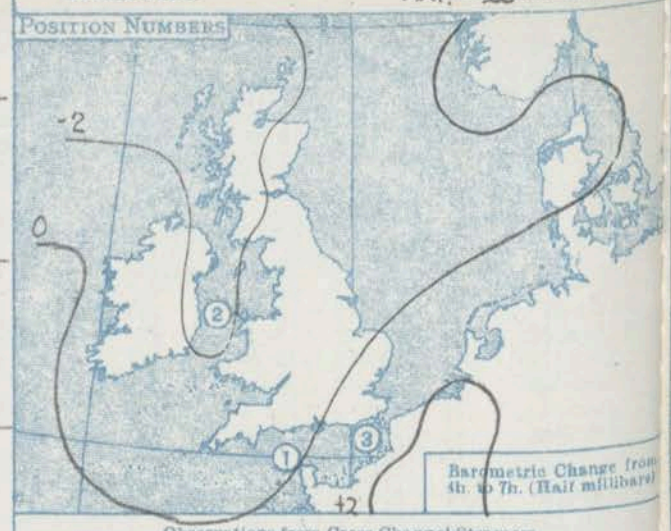
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

* For explanation see Introduction. † Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 19th.	WEATHER. 13h.-18h. 19th.	WEATHER. 18h.20th to 1h.20th.	WEATHER. 1h.-7h. 20th	TEMPERATURE. MAX. Day. 7h.-18h.	TEMPERATURE. MIN. Night. 18h.-7h.	TEMPERATURE. MIN. on GRASS	RAINFALL† Day. 7h.-18h. mm.	RAINFALL† Night. 18h.-7h. mm.	RAINFALL† Precipitation began.	RAINFALL† Precipitation began.	SUN. 20th Hours.
Lerwick	cpr	c	b	c	52	38	•	1	-	12.30	-	5·7
Stornoway	c	oo	r	od	52	45	•	-	1	-	-	4·7
Wick	c	oo	oo	oir.	53	43	•	-	Trace	-	0530	•
Castlebay	r.dd	dd	drdd	ddff	49	47	•	1	2	<0800	2100	0·0
Nairn	cgg	cbccf	dcg	od	56	45	•	-	2	-	2100	2·7
Aberdeen	ocpr.	copr	copr	oir.	56	46	40	2	1	11·00	2100	4·3
Malin Head	omir.	omir.	omir	omir.	55	45	•	0·5	1	<0800	2100	0·5
Renfrew	od.r.	odddd	ord.	orm	51	46	45	0·3	1	<0800	2400	0·0
Edinburgh(Inchkeith)	oc	p	p	p	52	46	44	Trace	0·1	16.30	2400	3·4
Leuchars	oo	oo	oir.o	or	57	46	41	Trace	0·3	-	2100	1·5
Eskdalemuir	odmorm	orod	odo	oid.m	50	43	38	3	1	<0800	2100	0·0
Tynemouth	oir.	oirom	oo	oir.	59	46	45	0·2	0·4	12.30	0230	•
Blacksod Point ...	oo	oo		r	52	35	•	2	3	-	-	•
Donaghadee	cp	cp	od	o	51	47	•	0·2	0·2	0900	2200	•
Birr Castle	coir.	co	cproe	cproe	52	45	44	0·1	1	0900	-	•
Holyhead	oir.	oir.o	ojpo	oor.	52	47	46	1	0·2	<0800	0130	0·0
Liverpool (Bidston) ...	rod.	oo	oo		53	47	45	1	-	0900	-	0·5
Chester (Shotwick) ...	or.ir	oo	oir.	oo	56	48	45	0·6	Trace	<0800	2100	0·9
Spurn Head	c	oid.	oo	oo	53	45	•	Trace	Trace	0900	2100	0·5
Birmingham (Edgbaston)	c	oo		c	53	44	43	-	-	-	-	0·2
Nottingham	oir.	ir.o	o	oo	54	47	44	1	-	<0800	-	0·1
Cranwell	oid.o	oid.	oo	oo	53	45	43	Trace	Trace	0900	2100	0·0
Gorleston	oo	oipr.	c	cocbc	55	45	40	0·1	Trace	13.30	2100	0·0
Valencia (Cahirciveen)	opr.	o	or	oro	52	47	46	0·1	4	<0800	2100	1·3
Roches Point												
Pembroke(St.Ann's H.)	oo	oo	oo	cop	54	46	•	-	0·2	-	0530	2·2
Ross-on-Wye	bcycov	ocor.	cbc	co	57	46	40	0·1	-	17·30	-	2·2
Benson...	3.0	o	o	o	57	43	40	0·1	-	-	-	•
Andover	ood.o	o	oo	oo	58	44	43	Trace	-	0900	-	0·8
S. Farnborough ...	oro	oo	o	o	58	45	45	0·3	-	0900	-	0·4
London (Kew Obsy.)...	omd.o	o	omo	oo	56	48	46	-	-	-	-	0·3
Croydon	or.z	o	ozo	oo	56	47	45	Trace	-	0900	-	0·3
Clacton-on-Sea ...	ogg3	ogg3	ogg	ogg	54	48	45	-	-	-	-	0·3
Shoeburyness	omco	o	o	o	57	48	45	-	-	-	-	1·0
Grain	oog	ogpr.	oo	oo	54	48	43	Trace	-	1530	-	0·9
Lympne	omw	o	oo	ow	54	46	45	-	Trace	-	-	1·8
Scilly (St. Mary's) ...	oc	co	cP	or	57	46	•	-	3	-	2100	1·4
Falmouth (Pendennis)	ocb	bco	ocpr	ocpr	51	46	•	-	Trace	-	0130	1·4
Plymouth(Cattewater)	or	oo	o.c.bc	cor.c	54	47	45	1	0·2	<0800	0·2	
Portland Bill	oroc	co	oo	oo	53	46	•	0·2	-	<0800	-	..
Southampton(Calshot)	p	ocbcc	oo	oo	55	47	46	Trace	-	1100	-	1·0
Dungeness	oo	oo	oo	c	57	50	•	-	-	-	-	•
Jersey	cobo	oc	o	opo	56	46	•	Trace	0·3	1230	0430	3·3

ISALLOBARS. May 20th 1923



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility
2	19th 1000	Hibernia	W	3	0	50	49	4
1	19th 1100		WNW	4	pr.	53	52	8
3	20th 0200	Dieppe	SW	2	b	50	51	8

GENERAL INFERENCE.

A depression to the north of Scotland and secondary depression moving east across the British Isles will cause generally unsettled weather with moderate temperature.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday, 20th May, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Moderate southwesterly to westerly winds; cloudy, slight rain or drizzle at times; visibility mainly good; moderate temperature.	Generally unsettled.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Moderate southwesterly to westerly winds; cloudy, some rain or drizzle at times; visibility mainly good; moderate temperature.	-------
14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Winds light and variable to westerly; dull, rain or drizzle at times; visibility moderate to good; temperature moderate then falling a little.	•
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 7 - 13.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0930 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page

SYNOPTIC CHART FOR MORNING OF Sunday, 20th May, 1923.

Scale - 1:10,000,000

Nautical Miles 100 0 100 200

Statute Miles 100 0 100 200

HIGH

Showers 36

Bar

Rising

Snow 34

Fair 39

Low Cloud.

TEMPERATURE
WEATHER,
SEA

LOW

Baromeric

Barometer

O'cast 43

Heavy Showers 43

Fine 48

Fair 41

O'cast changes 45

Drizzle 47

Rain 48

Rain 47

O'cast 49

Mist 50

Falling

Baromeric

Showers 47

Fair 48

O'cast 52

Sea 54 O'cast

"BERENGARIA"

"MAURETANIA"

Sea 52 Drizzle

Rain 48

changes

Slight

O'cast 46

Slight

O'cast 54

O'cast 52

O'cast 50

HIGH

O'cast 55

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

EXPLANATION

BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. Direction is shown by arrows flying with the wind. Force, on the scale 0–12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.

TEMPERATURE is given in ° F

WEATHER SYMBOLS: ○ clear sky; ◔ sky ¼ clouded; ◑ sky ½ clouded; ◕ sky ¾ clouded; ● overcast sky; • rain falling; * snow; ✳ sleet; ▲ hail; ≡ fog; =° mist; T thunder; R thunderstorm.

SEA DISTURBANCE: ~~~ Rough. ≈≈≈ High.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY

0. Dense fog.	Objects not visible at	55	yards.
1. Rather thick fog	" "	220	"
2. Very bad	" "	550	"
3. Bad	" "	1,100	"
4. Very poor	" "	1¼	miles.
5. Poor	" "	2½	"
6. Moderate	" "	6	"
7. Good	" "	12	"
8. Very good	" "	31	"
9. Excellent.	beyond	31	"

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4. BRITISH SECTION.... Sunday, 20th May .....1923. No. 140.

Observations at 0100 G.M.T. 20th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.‡ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Cloud. Sea. 0-9
Lerwick	1007·5	-1	-	0	bc+b	40	85	7	4000	Cu Nb	7	Q.St	4	•
Stornoway	1007·6	-2	W	1	r₀	•	•	6	•	•	•	•	•	•
Wick	1001·8	-2	W	1	0	43	92	8	4000	Cu Nb	10	-	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1003·4	-3	S	4	o r₀	48	92	7	4000	Nb	10	-	10	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1004·5	-1	WSW	4	o p r₀	46	92	8	-	-	0	Q St	10	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1007·2	0	W	2	0	49	92	7	-	-	0	Q.St	10	•
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1007·8	-2	SW'W	4	0	49	97	8	1500	St Cu	10	-	10	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1009·5	-1	WSW	5	0	46	85	6	1500	St Cu	4	Q.St	10	•
Birmingham (Edgbaston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1011·3	-1	SW'S	3	0	47	85	7	2500	St Cu	10	-	10	•
Gorleston	1011·6	0	WSW	1	0	49	85	7	-	-	2	Q.St	10	•
Valencia (Cahirciveen)	1011·7	-5	SE	3	o/r	48	97	5	-	St	10	•	10	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1012·5	-2	W'S	4	0	49	92	8	4000	St Cu	10	-	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	•	•	•	•	•	50	•	•	•	•	•	•	•	•
Croydon	1013·6	-1	SW	2	0	49	85	7	2500	St Cu	6	Q.St	10	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1013·6	0	W'S	2	0	47	92	7	2500	St Cu	10	-	10	•
Scilly (St. Mary's) ...	1015·1	-2	W'N	4	0	49	85	7	4000	Cu Nb	10	-	10	•
Falmouth (Pendennis)	1015·8	-2	NW	2	o/r	47	85	7	5700	St Cu	10	-	10	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1014·9	0	NW	3	0	50	92	7	1500	St	10	-	10	•
Southampton (Calshot)	1014·0	-1	SW	3	0	49	85	7	4000	St Cu	10	-	10	•
Dungeness	1013·4	0	W	4	c-	50	97	8	-	-	0	Q.St	7	•
Jersey 7h														•
Guernsey 1h														

Observations at 0700 G.M.T. 20th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.‡ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Cloud. Sea. 0-9
Lerwick	1007·5	-1	-	0	o+	43	75	7	-	-	0	Q.St	9	0
Stornoway	998·5	-3	S	1	odd	47	97	5	450	St	10	-	10	0
Wick	1000·0	-3	WSW	1	o r₀	46	97	8	1500	St	3	Q.St	10	0
Castlebay	998·8	-1	W	3	odd	48	97	4	800	Nb	10	-	10	3
Nairn	998·0	•	-	0	odd	48	92	8	1500	St	9	-	9	•
Aberdeen	1002·3	-1	SW	1	o r₀	48	97	7	2500	Nb	10	-	10	0
Malin Head	1001·0	-1	WSW	4	o/r	49	97	7	1500	St	10	-	10	3
Renfrew	1002·8	-3	SW	3	o r r₀	47	92	5	1500	Nb	10	-	10	•
Edinburgh (Inchkeith)	1003·2	-1	WSW	3	o p r₀	47	92	8	-	St Cu	2	Q.St	10	2
Leuchars	1002·4	-1	SSW	3	d r+	48	92	7	1500	Nb	10	-	10	•
Eskdalemuir	1004·8	-1	SW	4	od₀	45	97	6	800	Nb	10	-	10	•
Tynemouth	1005·8	-1	SSW	1	o/r	48	92	6	4000	St Cu	10	-	10	0
Blacksod Point ...	1004·6	0	W'N	4	mo-	50	92	6	-	Nb	10	-	10	3
Donaghadee	1005·6	-2	SW	1	o p	49	92	8	2500	St	10	-	10	3
Birr Castle	1006·0	•	S	1	o/r	49	97	7	1500	Nb	10	-	10	•
Holyhead	1007·9	-1	S	4	o/r	49	92	8	1500	St Cu	10	-	10	1
Liverpool (Bidston) ...	1008·0	-2	SW	1	o+	49	85	8	2500	Cu Nb	10	-	10	5
Chester (Shotwick) ...	1008·8	-1	SW	3	0	50	85	8	2500	St Cu	9	-	9	•
Spurn Head	1009·0	0	SW	4	0	50	95	6	4000	St Cu	4	Q.St	10	1
Birmingham (Edgbaston)	1010·5	-1	SW	3	0	47	85	7	2500	St	5	Q.Cu	9	•
Nottingham	1009·5	0	WSW	3	0	49	85	6	2500	Nb	10	-	10	•
Cranwell	1010·4	0	SW'S	3	0	48	85	7	4000	St	4	Q.St	10	•
Gorleston	1011·9	0	SSW	2	bc+	48	85	6	-	-	0	Cu Cu	5	0
Valencia (Cahirciveen)	1008·3	-1	W'S	4	o/r	50	97	7	450	St	9	Q.St	10	3
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1011·0	-2	W'S	3	c j p	47	92	8	2500	Nb	7	-	7	3
Ross-on-Wye	1010·9	-1	SW	3	0	49	85	8	2500	Nb	9	Q.St	10	•
Benson	1011·9	0	SSW	3	0	47	92	8	-	St	10	-	10	•
Andover	1012·7	0	SW'S	3	0	48	85	8	4000	St Cu	10	-	10	•
S. Farnborough ...	1012·7	0	SW	3	0	48	85	7	2500	St Cu	7	Q.St	10	•
London (Kew Obsy.) ...	1012·7	+1	SSW	3	0	52	75	8	4000	St Cu	8	Q.Cu	9	•
Croydon	1012·9	-1	SSW	3	0	49	85	8	5700	St Cu	10	-	10	•
Clacton-on-Sea ...	1012·3	0	SW	3	0	50	85	8	4000	St Cu	10	-	10	1
Shoeburyness	1012·8	0	SSW	3	0	50	75	7	4000	St Cu	10	-	10	•
Grain	1013·0	0	SW	3	0	49	75	7	2500	St Cu	10	-	10	0
Lympne	1013·6	+1	W'S	2	0	48	92	8	2500	Nb	8	Q.St	10	•
Scilly (St. Mary's) ...	1013·1	-1	W	4	o r₀	48	97	7	4000	Nb	10	-	10	5
Falmouth (Pendennis)	1012·9	-1	W	3	o/r	48	85	8	4000	St Cu	10	-	10	0
Plymouth (Cattewater)	1013·1	0	WSW	3	c j p	49	92	8	2500	St Cu	9	-	9	1
Portland Bill	1012·9	0	SW	4	0	50	92	7	1500	St Cu	10	-	10	4
Southampton (Calshot)	1013·0	0	WSW	3	0	50	85	8	2500	St Cu	10	-	10	0
Dungeness	1013·2	0	W	3	o+	51	92	7	-	-	0	Q.St	10	4
Jersey 7h	1013·7	0	SW	3	o/r	50	85	7	2500	St Cu	10	-	10	3
Guernsey 1h														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR May 19th 1923

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. (8th-19h) °F.	Temperature. Max. Day. 19th °F.	Rainfall.† Night 17h.-9h. (8th-19h) mm.	Rainfall.† Day 9h.-17h. 19th mm.	Sunshine. Sunrise to 17h. 19th hr.	Sunshine. Sunrise to Sunset. 18th hr.
Montrose	•	•	43	59	0·3	-	4·2	3·6
Llandudno	d	obod	47	53	1	1	0·8	7·0
Colwyn Bay ...	re	bcc	40	52	1	1	0·0	6·5
Rhyl	cd	cd	46	54	0·2	0·3	0·6	5·1
Southport	do	do	46	51	1	0·2	0·0	3·6
Blackpool	or	co	46	53	3	0·1	0·1	4·6
Ilkley	old g	d	42	53	0·4	2	0·3	2·1
Harrogate	o	ob	42	51	0·3	-	0·3	1·7
Skegness	o	o	42	55	0·2	-	0·0	1·2
Aberystwyth ...	rbc	o	47	52	1	-	0·7	6·2
Bath	bcc	bcco	42	55	-	-	2·7	2·7
Leamington Spa ...	cbc	bo	41	56	-	-	1·0	1·8
Lowestoft	o	obo	41	56	1	1	0·1	6·6
Felixstowe	om	o	41	55	-	0·3	0·0	1·6
Southend	o	o	+1	58	-	-	0·8	2·7

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. (8th-19h) °F.	Temperature. Max. Day. 19th °F.	Rainfall.† Night 17h.-9h. (16th-19h) mm.	Rainfall.† Day 9h.-17h. 19th mm.	Sunshine. Sunrise to 17h. 19th hr.	Sunshine. Sunrise to Sunset. 18th hr.
Ilfracombe	ocbc	bcc	48	53	-	-	5·5	8·0
Bude	rocbc	bcbcc	47	55	2	-	5·8	9·3
Penzance	c	co	47	56	-	-	1·2	6·6
Paignton	oclcco	oy	45	57	-	-	0·8	2·5
Torquay	c	c	45	56	0·1	0·3	0·7	3·6
Weymouth	c	c	41	61	-	-	2·0	2·2
Bournemouth ...	c	c	41	57	-	-	0·8	3·2
Portsmouth (S'thsea)	coo	cbc	41	55	-	-	0·5	1·2
Worthing	oc	co	40	55	-	-	1·4	0·8
Brighton	cbc	bu	41	54	-	-	1·0	0·7
Eastbourne	coc	coc	44	55	-	-	1·8	1·2
Hastings	ocbcc	bcco	42	56	-	-	4·2	4·9
Folkestone	cbc	bcc	38	58	-	-	3·1	6·1
Tunbridge Wells ...	o	oc	37	55	-	-	0·5	3·3
Ramsgate	ccco	o	39	54	-	-	0·6	6·5
Margate	o	o	41	57	-	-	0·3	3·4
Deal	co	o	39	57	-	-	1·6	7·3

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm ‡ For code see page 3. ‡ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B221460 Monday 21st May 1923.

Observations at 1300 G.M.T. 20th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of ground.
Lerwick	9993	-3	SW	2	orr	45	92	5	4000	Nb	10	-	10	.
Stornoway	9957	-3	SW	3	od d	51	92	5	450	St	10	-	10	.
Wick	9960	-5	S	3	orr	47	97	7	4000	Nb	5	A.St	10	.
Castlebay	9986	0	W	4	o/f	50	85	7	1500	St	10	-	10	.
Nairn	.	.	.	.	.	.	.	.						.
Aberdeen	9988	-4	S'W	3	or	48	92	6	1500	Nb	10	-	10	1
Malin Head	1001·9	+1	W	5	cd	50	92	8	1500	Cu	8	-	8	.
Renfrew	1001·2	-1	SW	3	o/r	52	85	6	2500	StCu	10	-	10	1
Edinburgh (Inchkeith)	1000·4	-3	SW	4	o/r	51	85	8	-	StCu	10	-	10	.
Leuchars	9998	-3	SW	4	o/r	51	85	7	800	Nb	10	-	10	1
Eskdalemuir	1002·6	-2	SSW	5	o/r	48	97	5	450	Nb	10	-	10	2
Tynemouth	10042	-2	W	3	o	53	85	6	4000	Nb	10	-	10	.
Blacksod Point ..	10063	+3	WNW	4	c	52	85	8	-	CuNb	7	-	7	.
Donaghadee	10043	-1	WSW	3	bc-	55	75	8	2500	St	5	-	5	.
Birr Castle	10060	.	S	2	c/r	55	65	7	2500	Nb	8	-	8	.
Holyhead	10063	-2	S	5	od+	49	97	5	220	Nb	10	-	10	1
Liverpool (Bidston) ...	10068	-1	SW	3	o	52	75	9	1500	St	10	-	10	.
Chester (Shotwick) ...	10076	-1	SSW	3	or	53	75	8	2500	St	10	-	10	1
Spurn Head	10080	-1	SW	3	o	54	75	7	4000	StCu	10	-	10	.
Birmingham (Edgbaston)	1008·0	-2	SW	4	c-	53	75	7	4000	CuNb	6	A.Cu	8	0
Nottingham	1007·9	-2	SW	4	o	55	65	7	1500	Nb	10	-	10	.
Cranwell	1003·1	-2	SSW	4	o	54	75	7	4000	StCu	10	-	10	0
Gorleston	1011·8	0	SW'S	4	o+	54	65	6	5700	StCu	10	-	10	.
Valencia (Cahirciveen)	1009·8	+2	WNW	3	o	53	85	8	1500	StCu	10	-	10	0
Roches Point														.
Pembroke (St. Ann's H.)	10095	-2	SSW	5	od	49	97	4	800	St	10	-	10	.
Ross-on-Wye	10096	-2	WSW	4	o+	53	75	8	4000	Cu	9	A.Cu	10	0
Benson...	10105	-2	SSW	3	o	56	65	8	-	St	10	-	10	0
Andover	1011·5	-1	SW	4	o	53	75	5	2500	StCu	8	A.St	10	1
S. Farnborough ...	1011·5	-2	SSW	3	o	55	75	8	2500	StCu	10	-	10	0
London (Kew Obsy.)...	1011·3	-2	SSW	3	o	57	65	8	1500	StCu	8	A.St	10	0
Croydon	1011·3	-1	SSW	4	o	56	75	8	2500	StCu	9	A.St	10	0
Clacton-on-Sea ...	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Shoeburyness	1011·9	-1	SSW	4	o-	55	75	7	4000	StCu	6	A.Cu	9	.
Grain	1012·3	0	SSW	5	o	54	75	8	1500	St	10	-	10	0
Lympne	1012·8	-1	WSW	5	o	55	86	8	2500	St	6	A.St	9	0
Scilly (St. Mary's) ...	1012·0	-1	SW	4	od	51	97	5	1500	St	10	-	10	.
Falmouth (Pendennis)	1012·6	-2	WSW	5	od	51	85	7	4000	Nb	10	-	10	.
Plymouth (Cattewater)	1012·4	-1	WSW	5	o/p	51	85	8	2500	CuNb	10	-	10	0
Portland Bill	1012·9	0	WSW	5	o	51	92	7	-	-	0	A.St	10	.
Southampton (Calshot)	1012·6	-1	SW	5	o⊕	54	75	8	2500	StCu	7	A.St	10	0
Dungeness	10132	0	WSW	5	c	54	75	8	-	-	0	A.Cu	8	.
Jersey	10152	0	WSW	5	o/r	53	75	8	2500	StCu	10	-	10	.

Observations at 1800 G.M.T. 20th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	9956	-1	SSE	2	orr	46	92	5	4000	Nb	10	-	10	1
Stornoway	9942	0	W	4	cPR	46	85	7	4000	CuNb	7	-	7	1
Wick	9922	-1	WNW	3	oPR	50	85	8	4000	CuNb	10	-	10	3
Castlebay	9990	0	W	5	bc-	48	85	7	2500	St	10	-	10	4
Nairn	9954	.	WSW	1	bc/r	47	85	8	1500	CuNb	6	-	6	.
Aberdeen	9954	-4	SW	4	o/r	54	85	8	2500	Cu	9	-	9	0
Malin Head	1004·6	+1	W	5	o	49	85	8	5700	StCu	10	-	10	3
Renfrew	1000·0	-1	SW	4	obr	50	85	7	1500	Nb	10	-	10	.
Edinburgh (Inchkeith)	999·8	-3	WSW	4	o/r	50	85	7	-	Cu	7	A.Cu	9	3
Leuchars	9967	-3	WSW	5	c/r	53	75	8	2500	StCu	8	-	8	.
Eskdalemuir	1000·9	-2	W'S	4	o/r	47	85	6	1500	StCu	10	-	10	.
Tynemouth	1001·6	-3	WSW	3	o	52	85	6	4000	Cu	6	A.St	10	1
Blacksod Point ..	1001·4	+1	WNW	4	o	50	85	8	-	-	0	A.St	10	4
Donaghadee	1003·9	+1	W	3	c+	53	85	8	1500	CuNb	8	-	8	3
Birr Castle	1007·1	.	W	2	o+	53	85	7	1500	StCu	9	-	9	.
Holyhead	1005·5	0	SW	4	o	51	92	8	1500	StCu	10	-	10	3
Liverpool (Bidston) ...	1004·9	-1	WSW	4	o/r	50	92	7	1500	St	10	-	10	4
Chester (Shotwick) ...	1005·3	-2	SSW	3	od	54	75	8	1500	St	10	-	10	.
Spurn Head	1005·9	-3	SW	4	o	54	75	7	1500	St	10	-	10	2
Birmingham (Edgbaston)	1007·4	-1	SW	4	o	51	85	6	4000	StCu	10	-	10	.
Nottingham	1006·5	0	SW	3	od	52	85	7	2500	Nb	10	-	10	.
Cranwell	1009·9	-1	SW'W	4	or	53	75	7	2500	St	10	-	10	.
Gorleston	1009·3	-2	SW'S	4	o	55	65	7	5100	StCu	10	-	10	1
Valencia (Cahirciveen)	1010·6	+1	WNW	3	52	52	85	82	1500	StCu	10	-	10	3
Roches Point														
Pembroke (St. Ann's H.)	1008·6	-1	W'S	3	o/r	50	97	8	4000	StCu	10	-	10	4
Ross-on-Wye	1008·2	-2	SSW	4	od	51	85	8	2500	CuNb	10	-	10	.
Benson...	1009·3	-3	SW	4	o	52	85	8	-	St	10	-	10	.
Andover	1010·4	-1	SW	4	or	51	85	8	2500	Nb	8	A.St	10	.
S. Farnborough ...	1010·3	-1	SW	5	or	53	75	8	1500	Nb	10	-	10	.
London (Kew Obsy.)...	1010·1	-1	SSW	3	o	55	75	8	1500	StCu	10	-	10	.
Croydon	1010·9	-1	SW'S	4	o	52	75	8	1500	StCu	9	A.St	10	.
Clacton-on-Sea ...	1010·4	-1	SW	5	o	54	75	7	4000	StCu	10	-	10	2
Shoeburyness	1010·5	-2	SW	4	o	52	85	7	4000	StCu	7	A.Cu	10	.
Grain	1011·0	-2	SSW	4	o/r	53	75	8	1500	St	10	-	10	0
Lympne	1012·1	-1	WSW	5	o⊕	50	85	8	1500	St	6	A.St	10	.
Scilly (St. Mary's) ...	1011·4	0	W	4	o/r	52	97	6	1500	St	10	-	10	5
Falmouth (Pendennis)	1010·4	-2	WSW	5	orr	51	97	6	4000	Nb	10	-	10	0
Plymouth (Cattewater)	1010·4	-2	SW	5	od d	50	97	6	<150	Nb	10	-	10	2
Portland Bill	1011·9	-2	WSW	5	orr	50	92	6	450	St	10	-	10	5
Southampton (Calshot)	1011·6	-1	SW'W	5	o/p	51	85	7	1500	St	10	-	10	0
Dungeness	1011·9	-1	SW	5	c+	52	85	8	5700	Cu	3	Cu	8	3
Jersey	1013·8	0	SW	5	o/r	53	85	8	1500	Nb	10	-	10	3

LONDON OBSERVATIONS.

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 HOURS ENDED 0900 G.M.T. 21st								YESTERDAY.		TO-DAY.
Kew .. } 24 hours ended 0700	oo	oo	o b o	.	.	49	-	tr	0·4	.	.
Croydon }	o	o	o tr o	.	.	48	-	0·1	0·2	.	.
Greenwich (Royal Obsy.) ..	or	or	or	60	50	48	-	tr	0·4	67	71
City (Bunhill Row)	.	.	.	.	.	.	.	.	0·1	.	.
Westminster (St. James' Pk.)	.	.	.	58	51	49	-	-	0·2	58	73
Regent's Pk. (Botanic Gdns).	.	.	.	.	.	.	.	.		.	.
Camden Square..	co	o	.	59	50	49	-	-	.	.	74
Kensington Palace	oc	o	.	59	51	49	-	-	.	77 (18h.)	72
Hampstead Observatory ..	.	.	.						0·5	.	

ATMOSPHERIC POLLUTION.
Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1800 G.M.T. 21st

South Kensington

Max.	Time.	Min.	Time.
-	-	-	-

Kew Observatory

Max.	Time.	Min.	Time.
-	-	-	-

POLE STAR RECORD at Greenwich Obsy.

Exposure from 20h. ..... m. to 21st h. ..... m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris			
δ Ursae Minoris			

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per sec.	Stren.	Direc.
13h.	e	6	-	140°
18h.	-	-	-	-
01h.	C	6	-	180
07h.	C	6	-	15

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

21st to 22nd May, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth ...	3·50	11·49	7·48
	3·49	11·49	7·49
Greenwich ...	4·2	11·56	7·50
	4·1	11·56	7·51
Wick	3·36	12·5	8·41
	3·34	12·8	8·43
Valencia ...	4·41	12·37	8·32
	4·40	12·37	8·36

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
jp precipitation within sight of station.
p passing showers r rain.
s snow. ra sleet. t thunder.
z unusual visibility. y dry air.
x dust haze; the turbid atmosphere of dry weather.

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; i = intermittent; - = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";

Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
rr = continuous moderate rain.
ro/ro = continuous light rain.

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

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

SEA DISTURBANCE.

0=no swell } Calm or
1=mod. swell } slight
2=heavy swell } sea.
3=no swell }
4=mod. swell } Moderate
5=heavy swell } sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

[1] For explanation see Introduction.

* Information for these columns not usually received.

‡ The barometric change is expressed in half millibars.

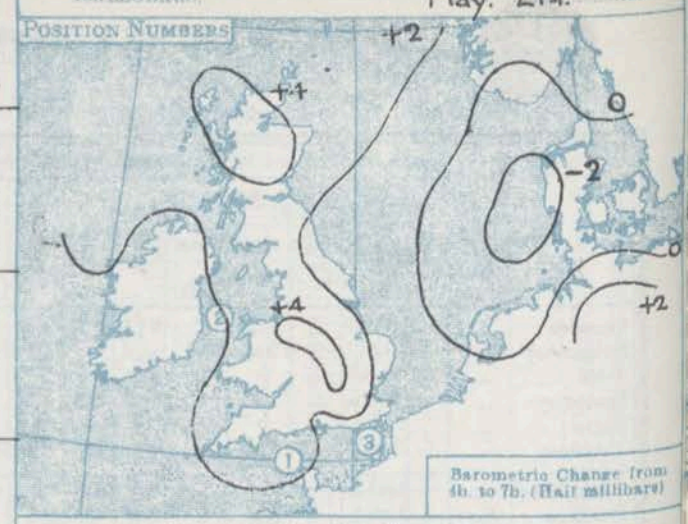
§ For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 20th	13h.-18h. 20th	18h. 20th to 1h. 21st	1h.-7h. 21st	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS	RAINFALL. Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 20th Hours.
Lerwick	omr	omr	omr	omr	47	43	•	4	14	<0800	<2100	0·0
Stornoway	r-d	cbr	b	c	51	40	•	5	2	<0800	-	1·4
Wick	or r	r br	RRq	obrbc	52	41	•	2	9	<0800	<21.00	•
Castlebay	dfdo	obc	cobbc	bcc	50	44	•	0·2	0·4	-	-	2·5
Nairn	odc	irc	cj	odc	?5	41	•	1	2	<0800	<2100	1·7
Aberdeen	oir m	br mo	cpr	b-bc	54	43	32	0·5	Trace	<0800	<2100	0·3
Malin Head	colid	o	bd br	brco	52	45	•	0·2	1	1100	<2100	1·2
Renfrew	or d	or d	oc	cbc	53	42	32	0·3	0·2	-	<2100	0·8
Edinburgh (Inchkeith)	oo	oid	ob	b	51	43	40	Trace	Trace	<0800	-	1·1
Leuchars	r-d	r-d	b-bc	b-bc	54	41	34	0·3	-	<0800	-	1·4
Eskdalemuir	orm	ormo	bcoir	oroo	48	39	36	9	1	<0800	<2100	0·0
Tynemouth	ob m	oomq	ob m	b-bcq	54	44	39	Trace	-	<0800	-	•
Blacksod Point	c	c	c	c	53	45	•	0·5	-	-	-	•
Donaghadee	cp	c.	od	o	57	43	•	0·3	-	0900	-	•
Birr Castle	porco	co	co	co	55	46	44	0·2	-	11.00	-	•
Holyhead	oir d	omdlo	or o	oc	51	47	45	0·4	Trace	<0800	<2100	0·3
Liverpool (Bidston)	oo	b		bcc	54	47	41	0·4	-	1630	-	0·4
Chester (Shotwick)	od r	od d	od o	ocbc	55	48	41	Trace	Trace	0900	<2100	0·0
Spurn Head	c	oo	c	c	57	45	•	-	-	-	-	0·0
Birmingham (Edgbaston)	c	oo	coir	oirse	54	46	44	-	0·6	-	22.00	0·1
Nottingham	oo	oob	orc	c	57	47	43	Trace	0·5	1230	2200	0·1
Cranwell	oo	or	or b	or	58	46	44	Trace	0·1	1630	<2100	0·5
Gorleston	bcco	oq	odid	or	58	49	47	-	2	-	2200	1·1
Valencia (Cahirciveen)	0	0	0	co	53	48	44	Trace	mil			0·9
Roches Point												
Pembroke (St. Ann's H.)	oqb	f-m	0	0	50	47	•	0·3	-	<0800	-	0·1
Ross-on-Wye	ob bco	coid	oid	ov	56	48	45	0·1	Trace	1630	<2100	1·2
Benson	o	o	o	o	57	49	48	-	-	-	-	•
Andover	oobo	oor	odd	o	55	48	46	Trace	Trace	1230	<2100	0·3
S. Farnborough	o	or o	od	oro	57	49	47	Trace	0·2	1430	2400	0·2
London (Kew Obsy.)	oo	oo	ob o	co	60	51	49	-	Trace	-	<2100	0·4
Croydon	o	o	oir	o	58	49	48	-	0·1	-	<2100	0·2
Clacton-on-Sea	og	og	og	ogb	54	50	48	-	0·2	-	1·30	0·7
Shoeburyness	o	o	o	o	57	49	48	-	-	-	-	0·4
Grain	oid	oid	oo	oo	56	50	45	0·1	-	1100	-	0·1
Lympne	od	oco	o	orrf	55	47	45	Trace	0·4	1100	1·30	1·3
Scilly (St. Mary's)	ifid	ifid	mo	o	52	48	•	0·4	-	<0800	-	0·0
Falmouth (Pendennis)	cmpd	dmr	omb	oco	53	47	•	1	-	0900	-	0·3
Plymouth (Cattewater)	or	ordm	odd	o	55	49	45	0·5	1	<0800	<2100	0·3
Portland Bill	oo	ogr	ocbc	bcco	53	48	•	0·2	2	1130	<2100	•
Southampton (Calshot)	oo	oo	od or o	o	55	50	43	-	1	-	<2100	1·9
Dungeness	c	c	o	b	55	50	•	-	0·3	-	3-30	•
Jersey	obcb	obco	bco	obo	56	50	•	1	1	0900	3·30	2·2

ISALLOBARS. May. 21st. 1923

POSITION NUMBERS



Barometric Change from 4h. to 7h. (Half millibars)

Observations from Cross Channel Steamers.

Position	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	20th 1000	"Hibernia"	SSW	5	oeg	49	48	8
3	21st. 0100	?	WSW	5	o+	52	51	7

GENERAL INFERENCE.

The depression off the Shetland Isles is moving east. Winds will be mainly westerly or northwesterly with cool, showery weather in the north but further south weather will be cloudy with slight occasional rain in places and moderate temperatures.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Monday, 21st May, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Moderate westerly winds; cloudy, occasional rain or showers; visibility moderate to good; moderate temperature.	Unsettled.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Moderate to fresh west to northwest winds; variable cloud, some showers; visibility good; cool.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Moderate or fresh northwesterly winds; variable cloud, showers; visibility good; cool.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Moderate west to northwest winds; cloudy, occasional rain or showers; visibility moderate to good; moderate temperature.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0945 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.

SYNOPTIC CHART FOR MORNING OF Monday, 21st May, 1923.

Scale - 1:10,000,000

Nautical Miles
Statute Miles

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

HIGH

LOW

Barometer

Bar. falling generally

1002 1004 1006 1008 1010 1012 1014 1016 1018 1020

1000 998 996 994 992

10 32 O'cast.

5 36 O'cast.

15 34 Snow

0 37 Shower

2 46 Fine

35 Fair

39 21 O'cast.

46 21 Drizzle

21 43 O'cast.

15 44 Rain

10 45 Rain

46 15 O'cast.

46 5 Fine

46 15 O'cast.

47 15 Cloudy

46 15 Cloudy

10 48 Fine

35 48 Sleet Showers

50 15 O'cast.

49 21 Cloudy

49 10 Fair

51 10 O'cast.

21 50 Drizzle

52 10 O'cast.

49 10 O'cast.

53 5 O'cast.

15 50 O'cast.

53 15 O'cast.

50 15 O'cast.

52 10 O'cast.

10 52 O'cast.

2 52 O'cast.

55 5 Cloudy

2 52 Cloudy

54 2 Cloudy

0 54 O'cast.

2 54 O'cast.

2 55 O'cast.

5 61 Cloudy

Low Cloud.

TEMPERATURES WEATHER, SEA

EXPLANATION

BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. Direction is shown by arrows flying with the wind. Force, on the scale 0–12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles

TEMPERATURE is given in ° F

WEATHER SYMBOLS: ○ clear sky, ◐ sky ¼ clouded, ◑ sky ½ clouded, ◕ sky ¾ clouded, ● overcast sky, • rain falling, * snow, ✱ sleet, ▲ hail, ≡ fog, =° mist, ⊤ thunder, ⊼ thunderstorm.

SEA DISTURBANCE: ~~~ Rough, ≈≈≈ High

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

0.	Dense fog. Objects not visible at	55	yards
1.	Rather thick fog	220	"
2.	Very bad	550	"
3.	Bad	1,100	"
4.	Very poor	1¼	miles.
5.	Poor	2	"
6.	Moderate	6	"
7.	Good	12	"
8.	Very good	31	"
9.	Excellent.	beyond 31	"

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4. BRITISH SECTION... Monday, 21st May ..... 1923. No. 141...

Observations at 0100 G.M.T. 21st

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.‡ 0-9	Cloud. Height Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	990.8	-3	NE	4	ow	46	97	5	4000	Nb	10	-	10	•
Stornoway	999.9	+7	NW	4	PR	•	•	5	•	•	•	•	•	•
Wick	991.7	-1	NW	4	oRR	44	97	7	4000	Nb	10	-	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1005.2	+1	WNW	5	b/r	47	85	8	5000	CuNb	3	-	3	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	998.1	+1	WSW	6	b-	45	85	8	-	StCu	1	-	1	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1004.3	0	W	3	b/r	45	85	7	-	-	0	-	0	•
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead ...	1004.4	+3	NW'W	5	o	49	92	8	4000	StCu	10	-	10	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1004.8	-1	WSW	4	bc	50	92	7	4000	StCu	6	-	6	•
Birmingham (Edgbaston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1006.3	0	SW'W	4	obr.	50	97	7	2500	Nb	10	-	10	•
Morleston	1005.8	-1	SSW	4	od.	50	85	7	2500	Nb	10	-	10	•
Valencia (Cahirciveen)	1013.0	+2	NW'W	4	mc	49	97	6	-	Cu	7	-	7	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1010.1	+2	W	3	o	49	85	8	4000	StCu	10	-	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover		•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...		•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...		•	•	•	•	52	•	•	•	•	•	•	•	•
Croydon	1010.1	-2	SW'S	3	o/r	50	97	8	1500	StCu	10	-	10	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1011.0	-1	W'S	4	o	49	97	7	1500	St	10	-	10	•
Scilly (St. Mary's) ...	1012.6	+1	WNW	3	o	50	97	8	4000	StCu	10	-	10	•
Falmouth (Pendennis)	1012.7	+1	W	3	o/r	50	92	7	4000	StCu	10	-	10	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1011.6	0	W	5	bc	49	92	7	-	-	0	ACu	4	•
Southampton (Calshot)	1010.7	-2	WSW	4	o/r	51	97	7	2500	St	10	-	10	•
Dungeness	1010.9	-1	SW	5	or.+	50	97	7	1500	St	10	-	10	•
Jersey 7h }														•
Guernsey 1h }														

Observations at 0700 G.M.T. 21st

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.‡ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	991.4	+3	NNW	4	orr	44	92	5	4000	Nb	10	-	10	3
Stornoway	1002.0	+4	NNW	4	bc	46	75	7	4000	CuNb	6	-	6	3
Wick	997.3	+4	NW	4	bc/p	44	85	8	2500	CuNb	4	ACu	5	3
Castlebay	1006.1	+2	NW	4	c	46	75	8	4000	StCu	7	-	7	3
Nairn	1001.1	.	WNW	3	c/r	44	85	8	1500	St	7	-	7	•
Aberdeen	1000.5	+4	WNW	3	b+	46	75	8	2500	StCu	3	-	3	0
Malin Head	1007.2	+1	WNW	4	c/r	47	92	8	2500	St	2	ACu	8	3
Renfrew	1004.3	+3	W	4	bc-	46	75	7	2500	StCu	5	CuNb	6	•
Edinburgh (Inchkeith)	1001.8	+2	W	5	b	45	75	8	-	Cu	2	-	2	4
Leuchars	1001.6	+3	W	4	bc	48	75	8	4000	StCu	4	-	4	•
Eskdalemuir	1005.9	+3	W'S	3	o/r	43	75	8	2500	StCu	10	-	10	•
Tynemouth	1004.1	+2	W	3	b	48	85	7	4000	Cu	2	-	2	2
Blacksod Point ...	1011.2	+2	NW	4	o-	50	75	8	-	StCu	10	-	10	3
Donaghadee	1008.5	+2	W	3	c-	47	85	8	2500	St	5	ACu	8	3
Birr Castle	1011.7	•	W	3	o	49	75	6	4000	StCu	9	-	9	•
Holyhead ...	1010.1	+2	WNW	5	c-	49	92	8	4000	StCu	3	ACu	8	3
Liverpool (Bidston) ...	1009.0	+2	W'S	5	c	48	85	8	2500	StCu	7	-	7	5
Chester (Shotwick) ...	1008.0	+4	W	4	o+	51	75	8	2500	StCu	6	ACu	9	•
Spurn Head	1006.8	+2	W	6	bc	48	75	7	4000	Cu	4	-	4	3
Birmingham (Edgbaston)	1010.1	+3	W	3	c	49	85	7	4000	CuNb	6	ACu	8	•
Nottingham	1009.0	+2	WNW	3	bc	49	75	6	1500	CuNb	4	ACu	6	•
Cranwell	1008.9	+4	W	4	bc+	49	75	7	2500	St	3	CuSt	6	•
Morleston	1008.9	+1	W'N	3	o/r	51	92	6	2500	CuNb	10	-	10	1
Valencia (Cahirciveen)	1014.8	+2	NNW	3	o·	50	85	7	1500	St	6	ASt	9	3
Roches Point	1012.5	+2	NW	3	o	49	85	8	4000	StCu	10	-	10	4
Pembroke (St. Ann's H.)	1010.8	+3	W'N	2	ov	51	75	9	2500	Nb	8	ACu	10	•
Ross-on-Wye	1010.5	+3	WSW	3	o	52	85	7	4000	St	5	ASt	10	•
Benson														
Andover	1011.5	+1	W'S	3	o	51	85	8	4000	StCu	8	ASt	10	•
S. Farnborough ...	1011.1	+2	W	3	o	52	85	8	2500	StCu	10	-	10	•
London (Kew Obsy.) ...	1010.8	+4	SW	2	o	53	85	8	1500	StCu	8	ASt	10	•
Croydon	1010.9	+2	SW'W	3	o	52	85	8	1500	St	10	-	10	•
Clacton-on-Sea ...	1009.7	+1	WSW	3	o/r	52	92	7	1500	Nb	10	-	10	1
Shoeburyness	1010.3	+1	SW	3	o	54	85	7	2500	StCu	8	ACu	10	•
Grain	1010.5	+1	W'SW	4	o	53	85	8	2500	StCu	10	-	10	0
Lympne	1011.2	+2	W	4	o/r	50	97	7	450	St	9	ACu	10	•
Scilly (St. Mary's) ...	1014.2	+1	WNW	4	o	50	97	7	4000	StCu	10	-	10	4
Falmouth (Pendennis)	1013.2	+3	W	1	o	50	97	7	4000	StCu	10	-	10	0
Plymouth (Cattewater)	1013.2	+3	NW	2	o-	50	97	8	2500	St	10	-	10	0
Portland Bill	1013.1	+3	SW	5	o+	50	97	7	2500	St	10	-	10	4
Southampton (Calshot)	1011.9	+3	W	4	o	52	85	8	5700	StCu	6	ASt	10	4
Dungeness	1012.0	+1	SW	4	o	52	92	7	4000	StCu	10	-	10	4
Jersey 7h }	1014.6	0	WSW	3	o/r	52	92	8	4000	StCu	10	-	10	3
Guernsey 1h }														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 20th MAY

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 19h-20h. °F.	Temperature. Max. Day. 20h-. °F.	Rainfall.† Night 17h.-9h. 19h-20h. mm.	Rainfall.† Day 9h.-17h. 20h-. mm.	Sunshine. Sunrise to 17h. 20h-. hr.	Sunshine. Sunrise to Sunset. 19h-. hr.
Montrose	-	-	46	54	2	0.1	0.0	4.2
Llandudno	o	od	48	55	-	1	0.3	0.8
Colwyn Bay ...	c	c	47	57	-	-	0.6	0.0
Rhyl	o	c/po	47	53	-	-	0.0	0.6
Southport	o	or	48	53	1	1	0.2	0.0
Blackpool	o	or	48	52	1	0.2	0.0	0.1
Ilkley	od.o/	o	43	55	trace	-	0.0	0.5
Harrogate	oc	co	44	54	-	-	?	0.3
Skegness	o	o	45	57	-	-	0.3	0.3
Aberystwyth ...	roc	o	42	52	1	1	1.0	0.7
Bath	oco	oco	43	56	1	-	1.5	2.7
Leamington Spa ...	-	-	44	56	-	-	0.0	1.3
Lowestoft	o	o	46	56	0.1	-	0.0	0.1
Felixstowe	c	o/s	48	57	-	-	0.7	0.0
Southend	o	o	48	57	-	-	0.5	0.9
Ilfracombe	oc	cor	48	53	1	0.2	0.6	6.5
Bude	pcop	mdomo	48	55	1	1	0.4	6.2
Penzance	o/pro	oidod	47	54	1	1	0.2	1.2
Paignton	obcdp	ocoday	47	56	-	trace	2.0	0.8
Torquay	bcpc	c	48	56	-	-	1.3	0.7
Weymouth	oco	oco	49	59	-	-	1.0	2.2
Bournemouth ...	c	c	?	57	-	-	1.5	0.8
Portsmouth (S'thsea)	od.	bcp.	48	57	-	trace	2.3	1.4
Worthing	?	bco	48	57	-	-	2.0	1.8
Brighton	c	c	48	55	-	-	2.0	1.0
Eastbourne	coc	bcc	48	57	0.4	-	2.4	2.2
Hastings	od.o	ocv	48	56	-	trace	2.4	4.2
Folkestone	obc	bcm	?	58	-	-	1.9	3.7
Tunbridge Wells ...	o	o	45	56	-	-	0.5	0.5
Ramsgate ...	bcbbc	bcc	46	56	-	-	1.8	0.6
Margate	o	c	48	57	-	-	0.3	0.3
Deal	oc	bcc	47	57	-	-	2.3	1.6

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not normally received. † Trace = rain has fallen, but amount less than 0·1 mm ‡ For code see title p. 8. § See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22461 Tuesday, 22nd May 1923. Page 1.

Observations at 1300 G.M.T. 21st

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.	Sun. 0-9
Lerwick	996.3	+3	NW	6	o	46	75	7	-	-	o	a Cu	10	•	5
Stornoway	1005.6	+4	NNW	4	c[r	49	76	7	4000	Cu Nb	7	-	7	•	3
Wick	1001.6	+4	NW	4	c[p	48	75	8	4000	Cu Nb	8	-	8	•	3
Castlebay	1008.5	+2	WNW	4	o+	BQ	75	8	1500	St	9	-	9	•	3
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1003.9	+3	WNW	4	o[p	50	65	8	2500	Cu Nb	7	a Cu	9	o	3
Malin Head	1010.2	+3	WNW	4	cpr$_o$	49	85	8	4000	St	8	-	8	•	1
Renfrew	1008.0	+3	WNW	4	cpr$_o$	51	65	8	5700	Cu Nb	6	Ci	8	o	•
Edinburgh (Inchkeith)	1004.8	+2	W	5	C+	57	65	8	-	Cu	4	Ci St	7	•	4
Leuchars	1004.3	+2	WNW	4	o	56	55	8	4000	St Cu	6	Ci	9	o	•
Eskdalemuir	1008.9	+2	W	4	c	50	65	8	4000	St Cu	8	-	8	1	•
Tynemouth	1006.4	+2	W	5	bc	56	75	7	4000	Cu Nb	4	-	4	•	1
Blacksod Point	1012.3	+3	NW	5	o	52	85	7	-	-	o	a St	10	•	4
Donaghadee	1011.2	+2	W	2	od$_o$	50	85	8	2500	St	9	-	9	•	1
Birr Castle	1012.8	•	WSW	2	C-	55	65	8	4000	St Cu	8	-	8	•	•
Holyhead	1012.4	+2	SSW	4	o+	54	85	8	4000	Cu	3	a Cu	10	o	•
Liverpool (Bidston)	1011.6	+1	W	5	bc-	51	75	8	4000	Cu	4	a Cu	6	•	4
Chester (Shotwick)	1011.9	+2	WNW	4	o-	52	65	8	2500	St Cu	7	a Cu	10	5	•
Spurn Head	1009.7	+3	WNW	5	c	52	75	7	2500	Cu	8	-	8	•	3
Birmingham (Edgbaston)	1011.8	+1	WNW	4	o	54	65	8	5700	St Cu	6	a Cu	10	o	•
Nottingham	1011.0	+1	NW	4	o	53	65	7	1500	St Cu	8	a St	10	•	•
Cranwell	1011.1	+2	W'S	4	o	53	65	7	4000	St Cu	10	-	10	o	•
Gorleston	1011.2	+2	W'S	3	c	57	85	7	2500	St Cu	8	-	8	•	o
Valencia (Cahirciveen)														•	
Roches Point															
Pembroke (St. Ann's H.)	1014.4	+3	W	3	bc-	52	85	8	4000	St Cu	1	Cu	6	•	4
Ross-on-Wye	1012.5	+1	WNW	2	o	56	65	9	4000	St Cu	6	a Cu	9	o	•
Benson	1012.2	+1	W	2	o	57	65	8	2500	St Cu	7	a St	10	o	•
Andover	1013.1	+1	W	4	o	55	65	8	4000	St Cu	10	-	10	o	•
S. Farnborough	1012.5	+1	W'S	4	o	50	65	8	4000	St Cu	6	A Cu	10	o	•
London (Kew Obsy.)	1012.4	+1	SW	3	o	57	65	8	2500	St Cu	9	a Cu	10	1	•
Croydon	1012.2	+1	W'S	3	o	57	65	8	1500	St Cu	9	a Cu	10	o	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1011.7	+1	W'N	3	o+	59	65	7	4000	St Cu	8	a St	10	•	•
Grain	1011.8	+1	WNW	4	o	59	65	8	4000	St Cu	8	a Cu	10	o	•
Lympne	1012.4	+1	WSW	4	o	55	75	8	1500	St	10	-	10	o	•
Scilly (St. Mary's)	1016.6	+1	WNW	4	bc-	56	85	8	4000	Cu	3	a Cu	5	•	3
Falmouth (Pendennis)	1015.1	+1	NW	3	c-	54	75	8	4000	St Cu	8	-	8	•	3
Plymouth (Cattewater)	1015.0	+2	W	3	o	54	75	8	2500	Cu Fb	10	-	10	o	•
Portland Bill	1013.9	o	SW	4	bc-	52	92	7	-	-	o	a Cu	6	•	3
Southampton (Calshot)	1013.8	+1	SW	4	o	56	75	8	4000	St Cu	9	a Cu	10	o	3
Dungeness	1012.5	+1	SW	5	o	58	85	7	4000	St Cu	10	-	10	•	5
Jersey	1015.9	o	WSW	3	o[r	57	85	8	4000	St Cu	10	-	10	•	3

Observations at 1300 G.M.T. 21st

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sun. 0-9
Lerwick	999.8	+4	N	6	opr$_o$	44	85	7	4000	St Cu	9	-	9	5
Stornoway	1000.8	+4	NNW	4	cpr$_o$	49	85	7	4000	Cu Nb	7	-	7	3
Wick	1005.3	+5	NW	4	cpr$_o$	45	85	8	2500	Cu Nb	5	Ci	7	3
Castlebay	1010.5	+2	WNW	4	bc	49	75	8	4000	St Cu	6	-	6	3
Nairn	1007.3	+*	NW	4	c	47	75	8	4000	Cu	4	Ci	7	•
Aberdeen	1006.7	+4	NW	4	b-	51	65	8	4000	Cu	2	Ci Cu	3	o
Malin Head	1018.5	+1	W	3	or	48	85	8	4000	St Cu	9	-	9	1
Renfrew	1009.5	+3	WNW	2	c	51	65	8	4000	St Cu	7	a Cu	8	•
Edinburgh (Inchkeith)	1006.7	+3	W	5	b-	37	75	8	-	Cu	2	Ci Cu	3	4
Leuchars	1006.5	+3	WNW	4	c	55	55	8	4000	St Cu	6	a Cu	7	•
Eskdalemuir	1009.3	+1	W	4	bc-	48	65	8	4000	Cu	3	a Cu	5	•
Tynemouth	1008.4	+2	W	3	b	56	65	7	4000	Cu	3	-	3	1
Blacksod Point	1011.4	-1	E	4	opr$_o$	50	92	7	-	Nb	10	-	10	4
Donaghadee	1011.9	o	-	o	bc-	49	85	8	1500	Cu	3	a Cu	5	1
Birr Castle	1012.8	o	SW	1	O-	53	75	7	2500	Nb	9	-	9	•
Holyhead	1012.6	o	SSW	3	c-	52	92	8	5700	St Cu	7	-	7	o
Liverpool (Bidston)	1012.6	o	W	4	bc-	54	65	8	4000	St Cu	2	a Cu	4	4
Chester (Shotwick)	1012.5	+1	W	4	o	55	65	8	2500	St Cu	7	a Cu	10	•
Spurn Head	1010.8	+1	W	5	o	53	75	7	2500	Cu	2	a Cu	10	3
Birmingham (Edgbaston)	1013.0	+2	WNW	4	o-	54	65	8	7200	St Cu	1	a Cu	9	•
Nottingham	1012.8	+1	NW	3	o	54	66	7	1500	St Cu	7	a Cu	9	•
Cranwell	1012.5	+2	WNW	3	o	54	65	8	5700	St Cu	10	-	10	•
Gorleston	1012.3	+1	NW	2	c-	57	55	6	4000	St Cu	8	-	8	o
Valencia (Cahirciveen)														
Roches Point														
Pembroke (St. Ann's H.)	1015.0	o	W	4	o+	50	85	8	2500	St Cu	10	-	10	4
Ross-on-Wye	1013.8	+2	WNW	2	bc-	51	55	9	4000	St Cu	4	a Cu	5	•
Benson	1013.6	o	W	1	o	51	65	8	-	St Cu	7	-	7	•
Andover	1013.4	o	W'N	4	bc	57	65	8	4000	Cu	5	-	5	•
S. Farnborough	1013.3	+1	W	3	c-	56	65	7	4000	St Cu	6	a Cu	8	•
London (Kew Obsy.)	1013.5	+1	W	2	c-	59	55	8	4000	St Cu	3	a Cu	7	•
Croydon	1013.2	+1	W'S	2	o-	57	75	8	2500	St Cu	6	a Cu	9	•
Clacton-on-Sea	1012.8	+2	NW	3	c-	59	55	7	2500	Cu	2	a Cu	7	o
Shoeburyness	1013.2	+1	NW	1	c-	58	65	8	5700	Cu	2	a Cu	5	•
Grain	1013.3	+2	WNW	2	c-	56	65	8	4000	St Cu	5	a Cu	8	o
Lympne	1013.1	o	W	3	c	53	85	8	2500	St	4	a St	8	•
Scilly (St. Mary's)	1017.3	+1	WNW	4	b-	58	85	8	4000	Cu	2	-	2	3
Falmouth (Pendennis)	1016.4	+1	NW	4	b-	54	65	8	5700	Cu	2	-	2	o
Plymouth (Cattewater)	1016.1	+2	NW	3	b-	55	65	8	5700	Cu	3	-	3	o
Portland Bill	1013.9	o	WSW	3	b-	54	85	7	-	-	o	Ci Cu	3	3
Southampton (Calshot)	1014.4	+1	SW'W	3	bc-	56	75	8	2500	St Cu	3	a Cu	6	o
Dungeness	1013.6	+1	SW	5	o	53	92	7	4000	St Cu	10	-	10	5
Jersey	1016.8	o	W	4	o	54	85	8	4000	St Cu	10	-	10	3

LONDON OBSERVATIONS.

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 hours ended 0900 G.M.T. 22nd								Yesterday.		To-day.
Kew } Croydon } 24 hours ended 0700	o	oc	cbczr	•	•	36	-	0.1	1.6	•	•
	o	o	cbpro	•	•	38	-	trace	1.0	•	•
Greenwich (Royal Obsy.)	o	oc	cbor	63	44	33	-	1	1.6	61	94
City (Bunhill Row)	•	•	•	•	•	•	•	•	0.7	•	•
Westminster (St. James' Pk.)	•	•	•	61	45	39	-	5	1.3	67	94
Regent's Pk. (Botanic Gdns.)	•	•	•	•	•	•	•	•	0.8	•	•
Camden Square	co	c.bc	•	64	46	41	-	2	•	•	92
Kensington Palace	oco	cbc	•	60	46	37	-	2	•	59(18h)	97
Hampstead Observatory	•	•	•	58	44	35	-	2	1.3	•	94

ATMOSPHERIC POLLUTION.

Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T. 21st

South Kensington Max.	Time.	Min.	Time.
-	-	-	-
-		-	-

Kew Observatory Max.	Time.	Min.	Time.
-	-	-	-
-		-	

POLE STAR RECORD at Greenwich Obsy.

Exposure from 21st 21h. 15m. to 22nd 2h. 45m.

Stars.	Exposure. h. m	Record. h. m.	Record. %
Polaris	5.30	4.2	73
δ Ursae Minoris	5.30	3.44	68

CODE FOR STATE OF GROUND.

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer.
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.*

Time.	Type.	No. per 1 incl.	Strength.	Direc.
13h.	C	S	-	115°
18h.	C	S	-	150
61h.	C	S	-	160
67h.	C	S	-	145

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

22nd & 23rd May, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.49	11.49	7.49
	3.48	11.49	7.50
Greenwich	4.1	11.56	7.51
	4.0	11.56	7.52
Wick	3.34	12.8	8.43
	3.32	12.8	8.45
Valencia	4.10	12.27	8.36
	4.29	12.31	8.36

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
jp precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

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; i = intermittent; - = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";

Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus:—
R = heavy rain.
rr = continuous moderate rain.
$r_o r_o$ = continuous light rain.

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

SEA DISTURBANCE.

0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

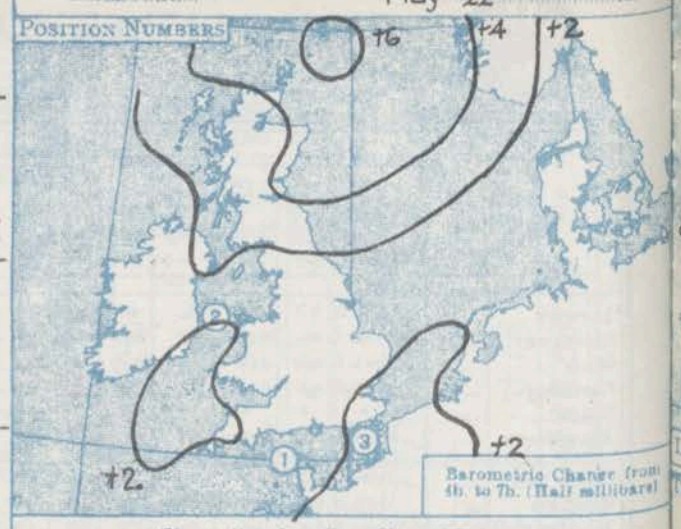
* For explanation see Introduction. ‡ Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 21st	WEATHER. 13h.-18h. 21st	WEATHER. 18h. 21st to 1h. 22nd	WEATHER. 1h.-7h. 22nd	TEMPERATURE. MAX. Day. 7h.-13h.	TEMPERATURE. MIN. Night. 18h.-7h.	TEMPERATURE. MIN. on GRASS	RAINFALL† Day. 7h.-13h. mm.	RAINFALL† Night. 18h.-7h. mm.	RAINFALL† Precipitation began.	RAINFALL† Precipitation began.	SUN. 21st Hours.
Lerwick	cq	cprq	omr	omr	47	39	•	2	2	<0800	<2100	0.5
Stornoway	p	p	c	c	49	38	•	1	04	-	-	11.5
Wick	cpr.c.	cpr hq	cp. bc	ob.	49	37	•	0.6	02	<0800	<2100	•
Castlebay	c.o	o.c	cb	bc	50	44	•	-	-	-	-	12.2
Nairn	c.bc	pcq	c	qcq	54	40	•	0.4	-	1100	-	6.9
Aberdeen	pr. bq	pr. bq	epr	bbc	54	38	27	0.1	02	1100	<2100	10.5
Malin Head	c	irc.o	c	epr	52	44	•	0.3	-	1230	-	4.2
Renfrew	c.op.d.	c.bcyc	ocbc	bbc	55	39	33	-	-	-	-	8.4
Edinburgh (Inchkeith)	c	c.bc	bc	c	53	42	38	-	-	-	-	14.2
Leuchars	c	c	bbc	bbc	58	36	26	-	-	-	-	10.5
Eskdalemuir	o.op.o.c	c.bc	obc	bcc	54	37	35	trace	-	0900	-	5.0
Tynemouth	bc bcq	b. bcq	oom	oo	58	44	42	-	-	-	-	•
Blacksod Point	c	c	omr	o	52	46	•	-	3	-	-	•
Donaghadee	cp	bcp	ir. oe	ir. oe	51	44	•	2	1	0900	<2100	•
Birr Castle	co	co	ir. oe	ir. oe	55	49	48	-	2		<2100	•
Holyhead	c.c.o	o.c.bc.c	ob. d.	g. d. o	55	46	46	-	trace	-	<2100	4.1
Liverpool (Bidston)	c.bc	c.bc	r. d	g. d. o	55	48	44	-	2	-	0330	5.0
Chester (Shotwick)	oo	oo	oo	or.	57	48	44	-	1	-	2400	3.3
Spurn Head	c	c	c	coorr	54	46	•	-	1	-	0430	10.5
Birmingham (Edgbaston)	oo	o.c	bc	oir.	56	45	40	-	02	-	0330	1.2
Nottingham	oo	o	cod.	d. d.	57	46	39	-	03	-	2200	2.8
Cranwell	bc.c.o	oo	c	or	57	45	37	-	2	-	0530	6.9
Gorleston	o.c.bc.c	c	bc	bcco	60	46	38	-	-	-	-	4.0
Valencia (Cahirciveen)			o									
Roches Point												
Pembroke (St. Ann's H.)	c	c	oo	oo	53	48	•	-	-	-	-	3.1
Ross-on-Wye	ol.cv.ov	cv.o.bcv	bcyco	od. c	58	48	47	-	01	-	0330	3.0
Benson	o	o	c bc b	or. d	62	41	33	-	03	-	0530	•
Andover	o	o.c.bc	bcb	bod.	59	38	34	-	trace	-	0630	2.8
S. Farnborough	o	c	cb	bcpro	61	41	36	-	02	-	0530	2.0
London (Kew Obsy.)	o	o.c	ccz bcz	bczomi	59	46	36	-	01	-	0630	1.6
Croydon	o	o	cb	bop. r.	60	45	38	-	trace	-	0620	1.0
Clacton-on-Sea	og.o	ocy	c	com	61	43	37	-	-	-	-	3.2
Shoeburyness	o.c.o	o.c.bc	bcc	om	61	42	31	-	-	-	-	1.1
Grain	oo	c	cbcbid	bwbco	61	41	34	-	-	-	-	0.7
Lympne	od.of	o.c	cbcbiw	bow	56	42	35	trace	trace	<0800	-	0.7
Scilly (St. Mary's)	c	bc	bcc	ofimd	57	49	•	-	02	-	0330	6.6
Falmouth (Pendennis)	o.c.	c.bc.b	bbco	oco	57	48	•	-	-	-	-	3.6
Plymouth (Cattewater)	oo	c.bc.b	b	bo	57	48	39	-	trace	-	-	5.0
Portland Bill	o.c.	c.bc	bbc	bcco	55	49	•	-	-	-	-	•
Southampton (Calshot)	oo	c	bbc	bcco	58	44	37	-	03	-	0630	2.4
Dungeness	oo	oo	c	bbc	56	44	•	-	-	-	-	•
Jersey	od.c.o	o.bc.o	obco	oco	58	48	•	trace	-	1100	-	3.0

ISALLOBARS. May 22nd. 1923.

POSITION NUMBERS



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.

GENERAL INFERENCE.

Pressure continues to rise slowly over the British Isles, mainly as the result of the development of an anticyclone in the Northwest. Winds are likely to be mainly between N. and W., causing rather low temperature generally. There will continue to be a good deal of cloud with showers or slight rain in places.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday, 22nd May, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Westerly winds, veering NW., moderate; cloudy, with slight rain at first, improving later; visibility moderate to good; rather cool.	Cool and unsettled.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland	Wind northerly, moderate; variable sky, some showers; visibility mainly good; cool, risk of night frost.	
19. S.E. Ireland 20. S.W. Ireland	As for 1 - 6.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0840 GMT. [illegible], F.R.S., Director.

† For Codes see opposite page.

SYNOPTIC CHART FOR MORNING OF TUESDAY, 22ND MAY, 1923.

Scale - 1:10,000,000

Nautical Miles

Statute Miles

HIGH

LOW

Barometer Rising.

Barometer Rising Slowly.

LOW

HIGH

LOW

1022

1000

1002

1004

1006

1008

1010

1012

1014

1016

1018

1020

1022

Low Cloud.

TEMPERATURE
WEATHER.
SEA.

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

EXPLANATION

BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. Direction is shown by arrows flying with the wind. Force, on the scale 0–12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.

TEMPERATURE is given in °F.

WEATHER SYMBOLS: ○ clear sky, ◔ sky ¼ clouded; ◑ sky ½ clouded, ◕ sky ¾ clouded; ● overcast sky; ● rain falling; ✱ snow; ✱ sleet; ▲ hail; ≡ fog; ≡° mist; T thunderstorm.

SEA DISTURBANCE: ~~~ Rough; ≈≈≈ High.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

0.	Dense fog. Objects not visible at	55	yards
1.	Rather thick fog	220	"
2.	Very bad	550	"
3.	Bad	1,100	"
4.	Very poor	1¼	miles.
5.	Poor	2½	"
6.	Moderate	6½	"
7.	Good	13	"
8.	Very good	31	"
9.	Excellent.	beyond 31	"

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION... Tuesday, 22nd May ...1923. No. 142

Observations at 0200 G.M.T. 22nd

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility† 0-6	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-6
Lerwick	1005.2	+5	NW	5	0rr	40	85	5	4000	Nb	10	-	10	•
Stornoway	1012.5	•	NNE	3	0	•	•	•	•	•	•	•	•	•
Wick	1003.6	+2	NNW	2	bc	38	92	•	2500	Cu Nb	5	-	5	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1012.1	0	N	1	0r	47	92	9	4000	Cu	9	-	9	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1010.7	+3	W	2	bc	44	92	8	-	-	0	Ac	4	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1011.2	0	W	1	0	47	85	6	2500	Sr	3	Asr	10	•
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1012.3	0	SSW	3	od	50	97	7	1500	Nb	10	-	10	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1012.5	0	WSW	3	0	48	85	7	4000	Sr Cu	10	-	10	•
Birmingham (Edgbaston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1013.2	+2	WSW	1	0	47	97	6	2500	Sr	10	-	10	•
Gorleston	1014.0	+1	W'S	2	bc	47	85	6	4000	Sr	4	-	4	•
Valencia (Cahirciveen)	1010.4	+1	NNW	3	0	51	97	7	•	Sr	10	•	10	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1014.6	-1	WSW	4	0	50	97	6	1500	Sr	10	-	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	•	•	•	•	•	47	•	•	•	•	•	•	•	•
Croydon	1013.6	+1	SW	2	b	46	97	8	-	-	0	Csr	3	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1015.6	+2	NW	3	b	44	97	7	-	-	0	-	0	•
Scilly (St. Mary's) ...	1013.6	0	W	4	0r	51	92	7	1500	Sr	10	-	10	•
Falmouth (Pendennis)	1017.5	+1	WNW	4	0r	50	92	7	4000	Sr Cu	10	-	10	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1010.0	+2	NW	3	b	50	92	7	-	-	0	Cc	3	•
Southampton (Un.shot)	1016.7	+1	W	2	b	45	85	8	-	-	0	Asr	1	•
Dungeness	1013.0	+1	NW	2	b	47	97	7	-	-	0	Cc	2	•
Jersey 7h }														
Guernsey 1h }														

Observations at 0700 G.M.T. 22nd

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility† 0-6	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-6
Lerwick	1010.1	+6				41			4000	Nb	10	-	10	4
Stornoway	1014.7	+3				42			4000	Cu	7	-	7	2
Wick	1011.6	+4				40			4000	Cu Nb	10	-	10	3
Castlebay	1015.5	+2				44			4000	Sc Cu	6	-	6	•
Nairn	1014.2	•				42			4000	Cu	4	Ac	4	•
Aberdeen	1013.6	+3				43			2500	Sc Cu	4	-	4	•
Malin Head	1014.5	+1				46			4000	Sc Cu	8	-	8	1
Renfrew	1013.5	+3				47			4000	Sc Cu	4	-	4	•
Edinburgh (Inchkeith)	1013.6	+3				44			x	Sc Cu	1	Ac	8	1
Leuchars	1013.5	+4				44			4000	Sc Cu	6	-	6	•
Eskdalemuir	1013.1	+2				46			4000	Cu	6	Cc	6	•
Tynemouth	1012.9	+2				45			4000	Sc Cu	10	-	10	1
Blacksod Point ...	1013.0	+1				50			-	-	0	Asr	10	4
Donaghadee	1014.3	+2				47			1500	Sr	8	-	8	•
Birr Castle	1014.1	•				50			800	Nb	10	-	10	•
Holyhead	1013.8	+2				48			800	Nb	10	-	10	•
Liverpool (Bidston) ...	1013.4	+1				50			1500	Sr	10	-	10	•
Chester (Shotwick) ...	1013.0	+1				50			1500	Sr	10	-	10	•
Spurn Head	1013.7	+1				48			2500	Nb	10	-	10	1
Birmingham (Edgbaston)	1014.1	+1				50			2500	Sr Cu	10	-	10	•
Nottingham	1013.3	0				49			1500	Sr	10	-	10	•
Cranwell	1014.4	+1				47			1500	Nb	10	-	10	•
Gorleston	1014.7	+1				48			-	-	0	Ac	10	0
Valencia (Cahirciveen)														
Roches Point														
Pembroke (St. Ann's H.)	1015.6	+2				50			2500	Sr Cu	10	-	10	4
Ross-on-Wye	1014.2	+1				53			4000	Cu	3	Cs	10	•
Benson...	1015.0	+1				48			A	Sr	10	-	10	•
Andover	1015.5	0				49			800	Sr	10	-	10	•
S. Farnborough ...	1015.8	+1				49			1500	Sr	4	Asr	10	•
London (Kew Obsy.) ...	1016.0	+1				50			2500	Nb	7	Asr	10	•
Croydon	1015.9	+1				49			2500	Sr	10	-	10	•
Clacton-on-Sea ...	1015.4	+2				49			4000	Sr Cu	9	-	9	1
Shoeburyness	1016.1	+1				51			4500	Sr Cu	8	Asr	10	•
Grain	1016.0	+1				51			7200	Sr Cu	9	Asr	10	
Lympne	1016.7	+2				48			7200	Sr Cu	4	Ac	10	•
Scilly (St. Mary's) ...	1019.8	+2				52			4000	Sr Cu	10	-	10	4
Falmouth (Pendennis)	1018.2	+1				53			4000	Sr Cu	10	-	10	4
Plymouth (Cattewater)	1017.6	+3				52			4000	Sr	10	-	10	4
Portland Bill	1016.6	0				51			1500	Sr	10	-	10	4
Southampton (Un.shot)	1016.3	0				50			1500	Nb	10	-	10	3
Dungeness	1016.2	+2				50			-	-	10	Ac	8	3
Jersey 7h }	1019.6	+1				52			4000	Sr Cu	10	-	10	3
Guernsey 1h }														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 21st May

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 20-21h. °F.	Temperature. Max. Day. 21h. °F.	Rainfall.† Night 17h.-9h. 20-21h. mm.	Rainfall.† Day 9h.-17h. 21h. mm.	Sunshine. Sunrise to 17h. 21h. hr.	Sunshine. Sunrise to Sunset. 20h. hr.
Montrose	-	-	43	54	-	0.3	8.5	1.7
Llandudno	c	c	47	53	-	-	3.0	0.3
Colwyn Bay ...	c	c	45	56	-	-	2.0	0.6
Rhyl...	bc	bc	46	57	2	-	2.3	0.0
Southport	c.o.c.bc	bc	47	53	0.3	-	7.0	0.2
Blackpool	c.o.	bc.c	47	55	-	-	4.0	0.0
Ilkley	do c.	o.c.	41	57	2	-	5.3	0.0
Harrogate	c	c	42	56	2	-	2.9	0.0
Skegness	o.b.bc.c	b.bc.c	48	60	-	-	7.5	0.3
Aberystwyth ...	bc	bc	48	53	0.3	-	4.5	1.0
Bath								
Leamington Spa ...	c.bc.b	o.c.b	47	58	-	-	2.7	0.0
Lowestoft	o	o.c.o	49	61	2	-	2.0	0.0
Felixstowe	o	c	50	60	-	-	1.3	0.7
Southend	o.	o.c	49	61	-	-	0.7	0.5

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 20-21h. °F.	Temperature. Max. Day. 21h. °F.	Rainfall.† Night 17h.-9h. 20-21h. mm.	Rainfall.† Day 9h.-17h. 21h. mm.	Sunshine. Sunrise to 17h. 21h. hr.	Sunshine. Sunrise to Sunset. 20h. hr.
Ilfracombe	o.	oc bc co	50	54	0.4	-	2.9	0.6
Bude	c.bc	bc.bc.b	47	55	-	-	4.6	0.4
Penzance	o.bc	b	49	60	1	-	3.7	?
Paignton	oc	bcy	50	60	1	-	3.0	1.6
Torquay	c	b	50	60	0.2	-	2.7	1.3
Weymouth	c.c	bc	50	62	-	-	2.7	1.0
Bournemouth ...	c	c	49	59	-	-	0.8	1.5
Portsmouth (S'thsea)	bc.	o.bc	50	58	1	-	1.0	2.4
Worthing	o.c.o	o.bc.o	51	60	-	-	1.8	1.8
Brighton	o.bc	c	50	55	-	-	2.0	5.4
Eastbourne... ...	o	o	49	56	-	-	0.1	2.4
Hastings	o	o.c.o	49	56	3	-	0.0	2.4
Folkestone	o	o	46	57	-	-	2.7	2.3
Tunbridge Wells ...	o.c.	o	48	61	Trace	-	1.6	0.9
Ramsgate	bc.o	o	47	59	-	-	0.4	1.9
Margate	o	o	48	59	-	-	0.1	0.3
Deal	dc.	o.c	49	59	1	-	0.6	2.4

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0.1 mm. ‡ For code see page 3. ‖ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B22462 WEDNESDAY, 23rd MAY 1923.

STATIONS.	Observations at 1300 G.M.T. 22nd														Observations at 1800 G.M.T. 22nd											
	Baromr. at M.S.L.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force	Weather.	Temp.	Humidity.	Visibility.§	Cloud. Low. Height	Low. Form	Low. Amt.	Upper Form.	Total Amt.	State of ground.	Baromr. at M.S.L.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force	Weather.	Temp.	Humidity.	Visibility.§	Cloud. Low. Height	Low. Form	Low. Amt.	Upper Form.	Total Amt.	Sea
	m.b			0-12		°F.	%	0-9	Feet		0-10		0-10		m.b			0-12		°F.	%	0-9	Feet		0-10		0-10	0-9
Lerwick	1012·7	+5	NW	6	opr.	40	75	7	4000	St.Cu	10	-	10	*	1013·7	0	WNW	4	o	41	65	7	5700	St.Cu	10	-	10	3
Stornoway	1016·7	+3	NNE	2	c-	45	75	7	4000	St.	8	-	8	*	1016·6	0	-	0	o+	44	75	7	800	St.	9	-	9	0
Wick	1015·0	+3	NNW	4	o+	44	75	8	5700	St.Cu	10	-	10	*	1015·8	+1	WNW	1	bc	45	75	8	5700	Cu	2	Ci.St	4	0
Castlebay	1016·6	0	NE	4	b	48	65	8	-	-	0	A.St	1	*	1015·8	0	N	3	b	49	65	8	4000	Cu	1		1	2
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1016·2	*	E	1	b	48	65	9	-	-	0	A.Cu	3	*
Aberdeen	1016·0	+2	NNW	3	0	46	55	8	2500	Cu	9	-	9	0	1016·9	+1	NNW	2	bc	45	65	8	4000	St.Cu	5	-	5	0
Malin Head	1014·7	+1	NE	4	0	47	85	9	4000	St.	8	A.Cu	9	*	1014·2	-1	ESE	3	o	46	75	9	4000	St.	2	A.St	9	1
Renfrew	1014·8	0	NNE	3	o+	54	55	8	5700	Cu	4	A.Cu	10	0	1015·0	0	E	2	o	51	55	6	7200	St.	10	-	10	*
Edinburgh(Inchkeith)	1015·4	+1	E	1	bc-	53	65	8	*	Cu	2	Ci.St	6	*	1015·8	0	ESE	3	o+	47	75	9	*	Cu	1	A.St	10	2
Leuchars	1015·5	+2	SE	2	0	48	65	8	2500	St.Cu	8	A.Cu	9	0	1016·0	0	ESE	3	o	47	65	8	-	-	0	Ci.St	10	*
Eskdalemuir	1014·3	+1	NE'E	4	0	50	65	7	4000	St.Cu	10	-	10	0	1015·9	+2	E	4	oded.	43	85	7	2500	Nb	10	-	10	*
Tynemouth	1015·5	+2	ENE	2	0	46	92	7	4000	St.Cu	10	-	10	*	1016·6	0	ENE	3	or.	43	85	7	4000	Nb	10	-	10	2
Blacksod Point ..	1012·9	0	NW	4	0	52	92	7	*	-	0	A.St	10	*	1012·6	0	NW	2	o	50	97	8	-	-	0	A.St	10	0
Donaghadee	1015·0	0	ENE	1	c	49	75	8	4000	St.Cu	8	-	8	*	1016·1	0	NE	1	o+	46	75	8	-	-	0	A.St	10	1
Birr Castle	1013·9	*	SW	1	o/r	53	92	7	2500	Nb	9	-	9	*	1013·1	*	SW	1	odo.	52	85	7	2500	Nb	9	-	9	*
Holyhead	1015·1	+0	-	0	or.	50	85	7	4000	St.	10	-	10	*	1013·3	-3	SW	1	or.r.	50	97	6	225	Nb	10	-	10	2
Liverpool (Bidston) ...	1014·6	-1	WNW	1	c+	52	75	9	1500	Cu.Nb	8	-	8	*	1014·6	-2	WNW	1	odod.	47	97	5	1500	St.	10	-	10	2
Chester (Shotwick) ...	1014·7	0	NW'W	3	o+	56	65	7	2500	Cu	2	A.St	10	1	1014·8	-2	-	0	orr	49	92	6	1500	St.	10	-	10	*
Spurn Head	1014·8	+1	E	2	+1	50	92	7	-	-	0	A.St	10	*	1015·3	-1	E	2	o	48	85	6	-	-	0	A.St	10	1
Birmingham (Edgbaston)	1014·7	+1	W	2	0	59	75	7	4000	Cu.Nb	10	-	10	1	1014·7	-1	WSW	3	opr.	55	85	8	4000	Nb	6	A.St	10	*
Nottingham	1014·1	+1	S	2	o/r	56	85	5	1500	St.	10	-	10	*	1014·2	0	E	2	or-	51	97	5	1500	Nb	10	-	10	*
Cranwell	1014·6	0	WNW	1	0	56	75	6	1500	St.Cu	10	-	10	2	1015·2	0	E'N	3	o.r.	50	97	6	2500	Nb	10	-	10	*
Gorleston	1014·7	0	-	0	c-	51	85	6	4000	St.Cu	10	-	10	*	1015·3	+1	SE'E	1	or.r.	50	97	5	4000	Nb	10	-	10	0
Valencia (Cahirciveen)	1015·6	+1	SW'W	5	o/r	55	85	7	800	St.	10	-	10	1	1015·4	-1	SW'W	3	odo.	54	92	7	800	St.	10	-	10	3
Roches Point														*														
Pembroke (St.Ann's H.)	1017·1	0	WSW	4	o	51	92	7	1500	St.	10	-	10	*	1015·3	-2	WSW	5	o/r	50	97	7	1500	St.Cu	10	-	10	4
Ross-on-Wye	1015·4	0	W'S	4	o+	58	75	8	4000	St.Cu	8	A.Cu	9	0	1015·5	0	SW	3	o	55	75	8	2500	St.Cu	8	A.Cu	10	*
Benson	1015·3	0	WSW	4	bc-	64	65	8	*	Cu	5	Ci	6	0	1016·2	0	WSW	2	o	59	65	8	*	St.	10	-	10	*
Andover	1016·7	+1	W	4	0	58	75	8	2500	St.Cu	10	-	10	0	1016·5	0	WSW	3	o	57	75	8	2500	St.Cu	10	-	10	*
S. Farnborough ...	1016·1	+1	WSW	3	0-	60	65	8	2500	St.Cu	9	-	9	1	1016·6	0	WSW	3	o+	59	65	8	2500	St.Cu	10	-	10	*
London (Kew Obsy.) ...	1015·8	0	SW	2	c-	59	65	8	4000	St.Cu	8	-	8	1	1016·0	0	SW	4	o	61	65	8	4000	St.Cu	10	-	10	*
Croydon	1016·0	0	WSW	3	o/r	59	65	8	2500	St.Cu	10	-	10	0	1016·2	0	WSW	4	o+	60	55	9	2500	St.Cu	8	A.St	9	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	6	*	*	*	*	*	*	1015·1	0	W	3	o	59	75	5	5700	St.Cu	10	-	10	0
Shoeburyness	1015·8	-1	WSW	3	bc/r	61	55		4000	St.Cu	5	A.Cu	6	*														
Grain	1015·9	0	SSW	2	0	59	75	8	2500	St.Cu	10	-	10	0	1015·7	0	SW'W	4	c-	59	65	8	2500	Cu	4	A.Cu	8	0
Lympne	1016·6	0	WSW	4	0c	53	92	8	225	Nb	10	-	10	5	1016·5	-2	WSW	4	c+	56	85	8	2500	St.Cu	2	A.Cu	7	*
Scilly (St. Mary's) ...	1019·7	0	W	4	f/o	55	85	3	800	St.	10	-	10	*	1019·0	-2	W'S	3	o	53	92	6	4000	St.Cu	10	-	10	4
Falmouth (Pendennis)	1018·7	0	WNW	3	o/r	56	85	8	4000	St.Cu	10	-	10	*	1018·8	0	W	4	o-	55	85	8	4000	St.Cu	9	-	9	0
Plymouth(Cattewater)	1018·5	+1	W	3	0	57	85	8	1500	St.Cu	10	-	10	0	1018·3	0	W	3	o-	53	97	5	800	St.	10	-	10	0
Portland Bill	1017·5	+3	SW	4	bc-	54	92	7	-	-	0	C.Cu	4	*	?	0	SW	5	mo	53	92	5	450	St.	10	-	10	4
Southampton(Calshot)	1017·5	+1	WSW	4	o-	57	75	8	2500	St.Cu	10	-	10	0	1018·5	+1	SW	5	o+	53	92	7	800	St.	5	A.Cu	10	0
Dungeness	1016·8	0	WSW	5	0	55	85	7	4000	St.Cu	10	-	10	*	1016·3	0	SW	5	o	54	85	7	-	-	0	C.Cu	9	5
Jersey	1019·3	0	W	4	o/r	55	85	6	1500	Nb	10	-	10	*	1020·2	+1	W	4	o	54	92	7	4000	St.Cu	10	-	10	3

LONDON OBSERVATIONS.	WEATHER. Morning.	Afternoon.	Night.	TEMPERATURE. Max. °F.	Min. °F.	Min. on Grass. °F.	RAIN-FALL. Day.	RAIN-FALL. Night.	SUNSHINE to Sunset. hrs.	HUMIDITY. 15h. G.M.T. %	HUMIDITY. 9h. G.M.T. %
	24 HOURS ENDED 1800 G.M.T. 23rd								YESTERDAY.		TO-DAY.
Kew ... } Orbydon } 24 hours ended 0700	odwonc	cbco	oooro	*	*	50	1	1	3·8	*	*
	or.c	co	oo	*	*	40	06	-	4·3	*	*
Greenwich (Royal Obsy.) ..	od	oc	od	67	50	47	-	08	3·3	54	70
City (Bunhill Row)	*	*	*	*	*	*	*	*	2·0	*	*
Westminster (St. James' Pk.)	*	*	*	65	50	49	1		3·2	58	73
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*	2·5	*	*
Camden Square											
Kensington Palace	obo	bco	*	65	53	48	01	2	*	(3·1 8h.)	73
Hampstead Observatory ..	*	*	*	62	48	46	03	2	2·5	*	78

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 22nd

South Kensington Max.	Time.	Min.	Time.
0·3	20h. 21st	0·0·3	2h. 22nd
0·6	8h. 22nd		

Kew Observatory Max.	Time.	Min.	Time.
0·3	20h. 21st	0·0·3	1h. 22nd
0·4	7-9h. 22nd		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 22nd 21 h. 15 m. to 23rd 02 h. 45 m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	5 30	- -	0
δ Ursae Minoris	5 30	- -	0

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 1 sec.	Stren.	Direc.
18h.	CC1	7	-	180
19h.	C	5	-	35
01h.	C	7	-	
07h.	C	6	-	

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

23rd May, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth ...	3 46 / 3 47	11 53 / 11 50	7 50 / 7 52
Greenwich ...	4 0 / 3 59	11 56 / 11 57	7 52 / 7 54
Wick	3 32 / 3 30	11 28 / 11 29	8 13 / 8 17
Valencia ...	4 39 / 4 38	12 27 / 12 28	8 16 / 8 18

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered)
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
p precipitation within sight of station.
p passing showers r rain.
s snow. ra sleet. t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

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; i = intermittent; — = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail".
Capital letters indicate good; suffix o indicates slight; and repetition of letters commonly, thus:—
H = heavy rain.
rr = continuous moderate rain.
roro = continuous light rain.

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

SEA DISTURBANCE.
0=no swell } Calm or
1=mod. swell } slight
2=heavy swell } sea.
3=no swell } Moderate
4=mod. swell } sea.
5=heavy swell }
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

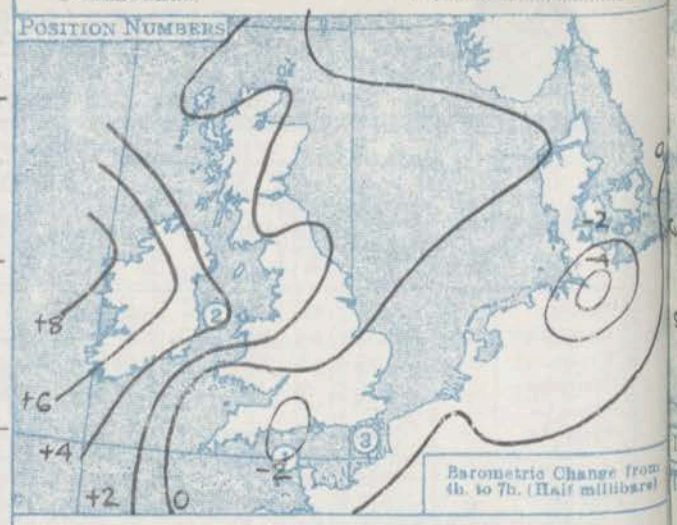
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in tenths of millibars. § For code see page 1.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 22nd	13h.-18h. 22nd	18h. 22nd to 1h. 23rd	1h.-7h. 23rd	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 22nd Hours.
Lerwick	ogjp	og	bcp	omd	44	35	•	0.1	0.5	0800	2400	1.8
Stornoway	c	c	c	cpr	46	35	•	-	2	-	-	2.0
Wick	oo	b.bc	bbc	bbc	45	35	•	•	-	-	-	•
Castlebay	cb	b	b	bc	50	39	•	•	-	-	-	1.2
Nairn	cbcg	bcgb	bbc	prbc	51	33	•	•	1	.	0330	9.8
Aberdeen	bcco	ocybc	b	bbc	48	33	20	•	-	.	-	6.6
Malin Head	cov	cov	cobcv	bcv	47	39	•	-	-	.	-	0.0
Renfrew	bcyvc	ooy	ocm	comv	56	35	25	.	-	.	-	7.8
Edinburgh(Inchkeith)	c	c	c	c	53	?	36	.	-	.	-	7.2
Leuchars	oo	oo	oo	oopr	50	36	25	.	trace	.	0630	5.0
Eskdalemuir	co	odr.d.	oc	bc b	52	35	32	1	-	1330	-	3.9
Tynemouth	oo	oo	oir.	oir.	51	41	39	Trace	0.3	1730	-	•
Blacksod Point	Hr	oo	c	c	53	43	•	0.4	-	-	-	•
Donaghadee	oo	.op	omrq	c	50	42	•	-	4	.	<2100	•
Birr Castle	oirco	comd	coid.	co	54	41	39	1	0.5	1430	<2100	•
Holyhead	oder.	or.r.	ocfcrim	oRrm	53	44	44	3	8	0800	<2100	0.0
Liverpool (Bidston)	robc	r.d	r-d		53	40	41	3	12	1430	<2100	1.5
Chester (Shotwick)	d.mo	or.rim	orrm	oir.r.	56	43	46	2	16	0800	<2100	0.6
Spurn Head	c	oo	odorr	r-d	52	42	•	0.4	9	0800	<2100	0.1
Birmingham (Edgbaston)	orp	orp	co	oir.	59	49	46	0.6	0.3	0900	2400	0.8
Nottingham	ir.g	ir	rr	rr	57	44	44	3	15	1100	<2100	0.1
Cranwell	rdld.	or.m	rrm	ododd	57	45	45	7	11	0800	<2100	0.8
Gorleston	oo	corrm	ormco	cq	59	49	48	1	1	1530	-	1.1
Valencia (Cahirciveen)	orodm	od.	oro	opo	51	46	45	2	2	0800	<2100	0.3
Roches Point												
Pembroke (St.Ann's H.)	oo	ofmr	oo	oo	53	48	•	0.2	-	1430	-	1.2
Ross-on-Wye	cvo	oo		oco	61	51	48	-	-	-	-	1.8
Benson	d.oc	oo	o	o	65	48	49	0.1	-	-	-	•
Andover	oco	oo	oopro	opro	61	50	48	-	1	-	<2100	0.6
S. Farnborough	or.o	co		oco	63	50	48	Trace	-	0800	-	2.7
London (Kew Obsy.)	odmomc	cloco	oomoro	oo	64	53	50	1	1	0800	2200	3.8
Croydon	oror.	co	o	oo	63	52	49	0.6	-	0800	-	4.3
Clacton-on-Sea	om3	o3m	ogm	ogmpc	60	52	49	-	0.5	-	0330	0.6
Shoeburyness	omp.o	c	coprcm	cm	64	51	49		0.5		2200	2.1
Grain	oid.o	ococ	q.r.o	oo	63	52	47	Trace	Trace	1100	-	2.5
Lympne	or.	or.c	cbc.o	omw	60	49	46	Trace	Trace	0800	-	2.8
Scilly (St. Mary's)	ff	ofm	om	oo	57	50	•	-	-	-	-	0.1
Falmouth (Pendennis)	obcdo	obc	co	oc	59	46	•	Trace	-	0900	-	0.4
Plymouth (Cattewater)	oo	om	ome	ome	58	51	50	-	trace	-	-	0.4
Portland Bill	ocbc	bcom	omf	fo	53	49	•	-	-	-	-	•
Southampton (Calshot)	oo	oo	oo	oo	59	51	50	Trace	-	0800	-	2.3
Dungeness	c	oo	oo	oo	57	51	•	-	-	-	-	•
Jersey	oddo	oco	o	oe	56	50	•	0.4	-	0900	-	0.7

† For Code see opposite page.



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility
2	22nd 1000	Ibernia	-	0	0	48	44	6
1	" 1100	Reindeer	W'N	4	d.	54	52	6
3	23rd 0600	Arundel	N	5	o.	52	52	6

GENERAL INFERENCE.

A shallow depression off the East Anglian coast with a trough extending to the SW. coast will move slowly southeastward. The cold northerly wind in its rear will cause a fall of temperature in the South and weather is likely to continue cool in the North. Considerable bright periods are probable after some further rain in the South.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday, 23rd May, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England	Wind becoming northerly, fresh, squally; some rain, risk of thunder, bright intervals later; cooler again, risk of night frost; visibility mainly good.	Milder again after Thursday.
6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Wind northerly, light or moderate; some showers, but considerable bright intervals; visibility good; cool, night frost in places.	
14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Moderate northerly wind, backing W. and freshening; cloudy, probably some rain; visibility good; cool.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As for 6 - 13.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0820 GMT. G. C. SIMPSON, F.R.S., Director.

SYNOPTIC CHART FOR MORNING OF WEDNESDAY, MAY 23rd, 1923.

Scale - 1:10,000,000

Nautical Miles

Statute Miles

LOW Barometer Falling.

HIGH

Baromeer Falling

Rising

Almost Steady

LOW

Bar. Falling Slowly.

HIGH

Baromeer

LOW

HIGH

Low Cloud.

TEMPERATURE WEATHER, SEA

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

EXPLANATION

BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. Direction is shown by arrows flying with the wind. Force, on the scale 0–12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles

TEMPERATURE is given in ° F

WEATHER SYMBOLS: ○ clear sky, ◐ sky ¼ clouded; ◑ sky ½ clouded; ◕ sky ¾ clouded; ● overcast sky; • rain falling; * snow; ✳ sleet; ▲ hail; ≡ fog; ⌒ mist; Ϟ thunderstorm

SEA DISTURBANCE: ~~~ Rough, ≈≈≈ High

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

0.	Dense fog. Objects not visible at	55	yards
1.	Rather thick fog	220	"
2.	Very bad	550	"
3.	Bad	1,100	"
4.	Very poor	1¼	miles.
5.	Poor	2½	"
6.	Moderate	6¼	"
7.	Good	12½	"
8.	Very good	31¼	"
9.	Excellent.	beyond 31¼	"

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION..Wednesday 23rd May ..... 1923. No.143....

STATIONS.	Observations at 0100 G.M.T. 23rd														Observations at 0700 G.M.T. 23rd												
	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.‡ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Cloud. Sea. 0-9	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.‡ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Cloud. Sea. 0-9
Lerwick	1013.1	-1	WNW	2	bc p	38	75	7	4000	C Nb	2	As	4	•	1012.6	-2	WNW	3	odd	41	75	7	4000	Nb	6	C St	10	2
Stornoway	1014	:	NE	4	d	.	.	5	.	.	.	.	.	•	1007.8	+1	ENE	4	c p r	40	83	6	4000	Nb	8	-	8	3 3
Wick	1014.6	-1	W	1	bc	38	92	8	4000	C Nb	5	-	5	•	1015.6	+2	WNW	1	bc	41	85	8	4000	C Nb	3	C St	4	3 0 3
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1019.2	+2	NNW	3	C+	44	75	8	2500	St	7	-	7	4
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1016.8	0	-	0	bc	41	75	8	4000	C	4	-	4	3
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1016.2	0	WNW	4	bc ⊕	42	85	6	4000	St C	3	C St	4	• 0
Malin Head	1015.5	+1	ESE	2	b-	43	92	9	4000	Cu	1	AC	2	•	1018.3	+4	N	4	bc+	44	92	9	4000	C Nb	5	-	5	1
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1016.6	+2	WNW	1	0	42	88	9	5700	St C	9	-	9	•
Edinburgh(Inchkeith)	1016.2	+1	E	1	C	42	78	9	-	-	0	C St	8	•	1015.9	0	-	0	0+	43	75	8	*	C Nb	2	AC	9	1
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1015.9	0	N	1	0 r	41	85	7	4000	St	8	A St	10	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1016.2	+1	ENE	3	b+	42	75	8	4000	Cu	2	-	2	•
Tynemouth	1016.0	-1	ENE	2	0	43	85	7	-	-	0	As	10	•	1015.3	+2	NE	1	0 r	43	85	7	4000	Nb	10	-	10	0
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1020.1	+6	WNW	5	bc	48	65	8	*	C Nb	4	-	4	3 4
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1017.2	+2	ENE	3	bc-	45	75	8	4000	St C	3	C St	4	4 •
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1018.2	•	N	2	bc	43	92	6	2500	Cu	6	-	6	•
Holyhead	1011.9	-1	SW'S	1	0 r	49	97	6	1500	Nb	10	-	10	•	1014.4	+4	NE'N	4	0.	45	92	8	800	St C	10	-	10	• •
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1013.5	+3	NE'N	3	0 r	40	97	5	1500	C Nb	10	-	10	3 •
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1012.9	+3	NE	3	0 r	43	92	5	800	St	10	-	10	•
Spurn Head	1011.6	-2	NE	3	0 r r	45	97	7	2500	Nb	10	-	10	•	1012.8	+1	NE	4	0 r r	46	92	6	4000	Nb	10	-	10	3
Birmingham (Edgbaston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1012.3	+1	NNW	4	0 r	51	85	6	2500	Nb	5	AC	10	• •
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1012.3	+1	NNE	2	0 r -	45	97	6	2500	Nb	10	-	10	• •
Cranwell	1012.2	-3	NE'N	3	0 r r	47	97	5	1500	Nb	10	-	10	•	1012.5	+1	N	3	odd	45	97	6	800	Nb	10	-	10	• •
Gorleston	1013.8	-2	S	1	0 r	49	97	6	4000	Nb	10	-	10	•	1012.2	0	WSW	4	0	34	85	7	4000	Nb	9	-	9	• 1
Valencia (Cahirciveen)	1019.5	0	NW	2	bc-	49	92	7	*	St	6	-	6	•	1017.9	+6	NNE	4	0	47	75	8	1500	St	10	-	10	3
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•														
Pembroke(St.Ann's H.)	1014.3	-1	WSW	5	0	50	87	8	2500	St C	10	-	10	•	1014.2	0	WNW	1	o j p	48	97	8	2500	St C	10	-	10	4
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1012.7	-1	SW	2	0	53	85	7	2500	Nb	9	AC	10	• •
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1013.6	0	SW	4	0	54	85	8	*	C	9	-	9	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1014.7	0	WSW	4	0	53	85	8	1500	St C	10	-	10	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1014.8	0	WSW	4	0	55	85	7	2500	St C	7	AC	9	• •
London (Kew Obsy.)...	•	•	•	•	•	56	•	•	•	•	•	•	•	•	1014.3	0	WSW	3	0	55	75	7	1500	St C	8	A St	10	•
Croydon	1015.5	-1	SW'N	3	0	53	85	7	4000	St C	10	-	10	•	1014.7	0	WSW	3	0	54	85	7	2500	St	10	-	10	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1013.3	0	WSW	4	c	53	92	7	7200	St C	7	A St	8	2
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1014.2	0	SW	4	m c -	54	85	6	4000	St C	6	AC	8	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1014.3	0	SW	4	0	55	85	7	1500	St C	10	-	10	0
Lympne	1015.9	-1	W	4	0	50	92	7	2500	St C	10	-	10	•	1015.1	0	W'S	4	0	53	92	8	800	St	10	-	10	•
Scilly (St. Mary's) ...	1018.7	-1	WS	4	0	52	97	7	4000	St C	10	-	10	•	1016.2	-1	SW'W	3	0	52	97	7	4000	St C	10	-	10	3
Falmouth (Pendennis)	1017.9	-1	W	4	0+	52	92	8	4000	St C	10	-	10	•	1016.3	-1	W	4	0	52	92	7	4000	St C	10	-	10	3
Plymouth(Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1016.1	0	WSW	3	0	52	97	7	1500	St	10	-	10	0
Portland Bill	1017.2	-2	W	5	f o -	50	92	3	450	St	10	-	10	•	1015.8	-2	W'S	5	0 f	52	92	6	2500	St	10	-	10	3
Southampton(Ca.shot)	1016.3	-2	SW'N	4	0	52	92	7	2500	St	10	-	10	•	1015.4	0	WSW	4	0	54	85	7	1500	St C	10	-	10	3
Dungeness	1015.7	-1	SW	5	0	52	92	7	1500	St	10	-	10	•	1015.2	0	SW	5	o j p	53	92	7	1500	St	10	-	10	3
Jersey 7h}														•	1018.0	0	W	3	0	52	92	6	1500	St	10	-	10	3
Guernsey 1h}																												

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 22nd

STATIONS.	WEATHER. Fore-noon.	WEATHER. After-noon.	TEMPERATURE. Min. Night. 21-22 °F.	TEMPERATURE. Max. Day. 22d °F.	RAINFALL.† Night 17h.-9h. 21-22 mm.	RAINFALL.† Day 9h.-17h. 22 mm.	SUNSHINE. Sunrise to 17h. 22d hr.	SUNSHINE. Sunrise to Sunset. 21st hr.
Montrose	x	x	36	56	-	-	6.1	9.5
Llanduduo	0	r	48	53	1	2	0.1	5.0
Colwyn Bay ...	c	c p r	48	53	2	3	0.2	4.4
Rhyl...	c	b c c r	48	53	2	3	0.6	4.1
Southport	c h c b	b b c o r	47	54	2	1	4.0	7.5
Blackpool	c b	c o	48	55	2	0.3	3.3	4.3
Ilkley	c d o c	o m i d	44	51	1	0.1	0.0	5.8
Harrogate	c q	o	48	51	1	-	0.0	3.4
Skegness	r o b c	b b c o r	43	57	1	2	0.7	7.5
Aberystwyth ...	r o c	o	50	53	1	1	0.0	7.0
Bath	o b c c	b c b o	48	60	-	-	1.2	4.7
Leamington Spa ...	c b c	b o	40	61	-	-	0.4	0.0
Lowestoft	o c o	o r	49	61	-	1	0.0	2.2
Felixstowe	c	c o m	43	63	-	-	2.2	2.3
Southend	o p o	o c o	45	62	-	0.1	1.3	1.9
Ilfracombe	c	o m f	51	55	0.4	-	0.0	4.0
Bude	c c o	o o m	2	57	1	0.1	0.0	6.0
Penzance	o c m	c o	50	59	Trace	-	0.9	5.3
Paignton	o b c c	c o v	46	61	-	-	3.3	5.0
Torquay	c	o	48	64	-	-	4.9	4.7
Weymouth	o c	c o	47	64	-	-	2.8	4.6
Bournemouth ...	c	c	44	62	-	-	3.5	1.6
Portsmouth (S'thsea)	r o b c	b c	49	61	0.2	-	3.3	1.7
Worthing	o c	c b c	44	61	-	-	2.2	3.8
Brighton	r p c	c	47	56	-	-	1.3	1.9
Eastbourne	l d o c	b c c	46	58	-	Trace	4.6	1.2
Hastings	o c o	o c b l c c	45	59	Trace	-	2.8	0.0
Folkestone	o	c	46	59	-	-	4.0	3.6
Tunbridge Wells ...	0	o c	43	64	0.3	-	3.1	2.0
Ramsgate								
Margate	o	c	46	61	-	-	1.2	0.1
Deal	o o	b c b c c	46	62	-	-	2.9	0.7

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* Information for these columns not usually received. † Trace = rain has fallen, but amounts less than 0·1 mm. ‡ For code see page 3. ‖ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22463 ....Thursday...24th...May..1923.

STATIONS.	Observations at 1300 G.M.T. 23rd May. Barom. at M.S.L. m.b	Change in 3 Hours‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility* 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form	Total Amt. 0-10	State of ground.	Observations at 1800 G.M.T. 23rd May. Barom. at M.S.L. m.b	Change in 3 Hours‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility* 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form	Total Amt. 0-10	Sea. 0-9
Lerwick	1013·3	+1	N	3	c̲j̲p	46	75	8	4000	Stcu	8	–	8	•	1014·2	+2	NW	3	c	44	75	8	7200	Stcu	4	ACu	6	2
Stornoway	1019·8	+3	NNE	4	c/r	46	75	6	4000	Nb	8	–	8	•	1020·6	+1	NNW	4	o+	46	75	6	4000	Nb	9	–	9	3
Wick	1016·4	+1	NW	3	c	46	75	8	4000	Cu Nb	5	CiSt	7	•	1018·1	+2	NW	3	oPR	43	92	8	4000	Cu Nb	7	ACu	9	0
Castlebay	1021·4	+1	N	4	bc	47	65	8	2500	Stcu	6	–	6	•	1022·3	+1	NW	4	bc	47	65	8	4000	Stcu	6	–	6	3
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	•	1019·1	–	NNW	3	bc	46	65	9	1500	Cu	6	–	6	•
Aberdeen	1017·1	0	NNW	3	bc	49	92	4	2500	Cu	5	–	5	0	1018·7	+2	NW	3	c+	48	65	8	4000	Cu	2	–	2	0
Malin Head	1020·8	+3	N	4	bc̲p̲r̲	46	85	9	5700	Cu Nb	3	CiCu	4	•	1022·0	+1	N	5	bc̲p̲r̲	47	75	9	5700	Cu Nb	3	CiCu	5	3
Renfrew	1017·4	+1	NNE	3	c+	53	55	8	7200	Stcu	8	–	8	0	1018·6	+2	NNW	2	o	51	55	8	7200	Stcu	10	–	10	•
Edinburgh(Inchkeith)	1017·5	+2	ENE	2	c–	45	85	8	–	Cu	3	ACu	7	•	1018·2	+1	E	2	a̲j̲p̲	44	85	9	–	St	10	–	10	1
Leuchars	1017·2	+3	ESE	3	bc–	46	75	8	4000	Stcu	4	–	4	0	1018·6	+2	S	1	c+	45	75	8	5700	Stcu	8	–	8	•
Eskdalemuir	1017·2	+2	ESE	3	c+	44	85	7	2500	Cu	8	–	8	1	1018·6	+2	–	0	o+	46	75	7	2500	Stcu	10	–	10	•
Tynemouth	1017·1	+2	ENE	2	bc/r	48	75	7	4000	Cu	3	ACu	5	•	1018·8	+3	–	0	c+	46	75	7	4000	Cu	3	ASt	8	0
Blacksod Point ..	1022·8	+9	WNW	5	bc	55	65	8	–	Cu Nb	4	–	4	•	1024·3	+3	NE	5	o	48	75	8	–	Cu Nb	9	–	9	5
Donaghadee	1018·9	+2	NNW	4	b₁–	49	65	8	–	–	0	ACu	2	•	1020·2	+1	NNW	3	b	48	75	8	–	–	0	–	0	4
Birr Castle	1019·7	–	W	1	c+	52	65	8	4000	Stcu	7	–	7	•	1021·9	–	NW	1	o+	50	65	8	4000	Stcu	9	–	9	•
Holyhead	1018·4	+4	NNE	5	bc	49	75	8	4000	Cu	3	ASt	5	1	1020·0	+2	N'E	5	b–	48	75	9	4000	Cu	1	CiSt	2	5
Liverpool (Bidston)...	1017·5	+4	NNW	1	o–	45	85	7	1500	Cu Nb	9	–	9	•	1018·8	+2	NW	3	b₁	49	65	9	4000	Cu	1	CiCu	3	3
Chester (Shotwick) ...	1017·2	+3	N	3	o	46	75	4	1500	St	10	–	10	2	1018·6	+2	WNW	5	c–	50	75	7	2500	Stcu	7	–	7	•
Spurn Head	1015·7	+3	N'E	5	o̲r̲	45	85	9	4000	Cu Nb	4	ASt	10	•	1016	+3	NNE	3	b/r	47	75	8	4000	Cu Nb	3	–	3	3
Birmingham (Edgbaston)	1016·3	+4	NE	4	o̲r̲g̲	42	95	4	2500	Nb	10	–	10	2	1018·9	+3	NE	3	bc–	46	75	6	–	–	0	ACu	4	•
Nottingham	1016·4	+4	NNE	3	o̲d̲₁o̲	43	92	6	1500	Nb	10	–	10	•	1018·6	+2	E	2	o–	45	85	7	1500	Stcu	9	–	9	•
Cranwell	1016·4	+5	N'E	4	o̲d̲₁o̲	43	97	6	800	Nb	10	–	10	2	1019·3	+3	NE'E	2	o	44	85	8	1500	Stcu	10	–	10	•
Gorleston	1017·7	+1	N	4	o+	54	85	6	4000	Nb	10	–	10	•	1016·7	+3	N	4	o	46	75	7	4000	Stcu	10	–	10	4
Valencia (Cahirciveen)	1021·5	+3	N	4	b₁–	53	65	8	2500	Cu	3	–	3	1	1022·9	+2	N	4	bc	52	65	9	2500	Stcu	5	–	5	3
Roches Point														•														
Pembroke(St.Ann's H.)	1016·9	+2	N	5	c	52	65	8	4000	Stcu	7	–	7	•	1018·7	+3	NE	4	b	49	65	8	–	–	0	–	0	4
Ross-on-Wye	1014·9	+2	N'E	3	fo	52	85	5	1500	St	10	–	10	1	1018·1	+3	E	3	mmbc	47	85	6	2500	St	2	ACu	4	•
Benson...	1013·6	+1	NW	3	o/r	58	75	8	–	Cu	10	–	10	0	1017·5	+4	NNE	4	o	46	97	7	–	Nb	10	–	10	•
Andover	1014·2	0	SW	3	or	56	75	7	1500	St-Cu	10	–	10	1	1016·0	+3	NE	4	orr	46	97	7	800	Nb	10	–	10	•
S. Farnborough ...	1014·1	0	WSW	3	orr	55	92	6	1500	Nb	10	–	10	1	1016·3	+4	NNE	3	orr	47	97	6	1500	Nb	10	–	10	•
London (Kew Obsy.)....	1014·1	+1	SW	2	o̲r̲g̲	55	85	7	2500	Nb	7	ASt	10	2	1017·0	+5	NNE	3	or–	47	85	6	1500	Nb	9	ASt	10	•
Croydon	1013·8	–1	W'S	4	o̲r̲₀	59	75	7	800	Nb	8	ACu	10	0	1017·0	+4	N'E	3	o̲r̲g̲	47	97	5	450	Nb	10	–	10	•
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1016·2	+4	N	4	o̲r̲₀+	48	97	6	1500	Nb	10	–	10	1
Shoeburyness	1013·3	–1	W	2	oPR–	60	75	5	1500	Cu Nb	4	ASt	10	*	1016·5	+3	NNE	4	orr	47	97	6	800	Nb	10	–	10	•
Grain	1013·5	0	SW	6	o̲r̲₀	60	75	7	2500	St-Cu	10	–	10	0	1016·2	+3	NNE	5	orr	48	97	6	800	Nb	10	–	10	0
Lympne	1014·1	–1	WSW	5	o	60	75	8	1500	St	7	ACu	9	0	1015·5	+2	NNE	3	o̲r̲g̲	52	97	6	800	Nb	10	–	10	•
Scilly (St. Mary's) ...	1015·9	0	W'N	3	c	57	85	8	4000	St-Cu	8	–	8	•	1018·6	+2	NNE	5	c	50	75	8	4000	St-Cu	5	ACu	7	4
Falmouth (Pendennis)	1015·4	0	W	5	o̲p̲r̲₀	57	85	7	4000	St-Cu	10	–	10	•	1017·0	0	N	5	bc–	52	75	7	4000	Cu	6	–	6	0
Plymouth(Cattewater)	1015·6	0	SW	5	orr	53	97	6	800	St	10	–	10	1	1015·9	0	N	4	bc–	54	65	6	4000	St-Cu	6	–	6	0
Portland Bill	1015·2	0	WSW	5	bc–	53	92	7	–	St-Cu	2	ACu	5	0	1016·2	0	WSW	3	p̲r̲₀	53	65	7	7	7	7	7	7	3
Southampton(Calshot)	1015·2	0	SW	5	o	57	85	7	1500	St–	4	ACu	10	0	1015·8	0	W	2	orr	54	75	6	1500	Nb	8	ASt	10	0
Dungeness	1014·5	–1	SW	5	c–	59	75	7	–	–	0	Cu Cu	7	•	1015·1	+1	SW	4	o̲d̲₀	54	97	7	–	–	0	ASt	10	4
Jersey	1017·5	0	W	3	o/r	55	97	7	1500	Nb	10	–	10	•	1016·7	0	W	3	o	54	97	7	1500	Nb	10	–	10	3

LONDON OBSERVATIONS.	WEATHER. Morning.	Afternoon.	Night.	TEMPERATURE. Max. °F.	Min. °F.	Min. on Grass. °F.	RAINFALL. mm. Day.	Night.	SUNSHINE to Sunset. hrs.	HUMIDITY. 15h. G.M.T. %	9h. G.M.T. %
	24 HOURS ENDED 0900 G.M.T. 24th								YESTERDAY.		TO-DAY.
Kew .. } 24 hours ended 0700	o̲P̲	o̲r̲m̲	o̲r̲m̲				11	1	0.3	•	•
Croydon }	o̲r̲g̲p̲	o̲r̲m̲	o̲r̲m̲				3	1	0.4	•	•
Greenwich (Royal Obsy.) ..	hr	hr	o̲r̲b̲c̲	63	37	33	3	1	0.5	91	64
City (Bunhill Row)	*	*	*	*	*	*	*	*	1.2	•	•
Westminster (St. James' Pk.)	*	*	*						0.8		
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*	1.4	•	•
Camden Square..	o̲b̲c̲	o̲r̲	*	63	38	35	8	*	*	*	85%
Kensington Palace	o̲r̲g̲h̲	o̲o̲r̲	*	60	39	33	3	1	*	30(18h.)	63
Hampstead Observatory ..	*	*	*	60	36	31	6	–	1.3	•	71

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T. 23rd

South Kensington

Max.	Time.	Min.	Time.
–	–	–	–

Kew Observatory

Max.	Time.	Min.	Time.
0.3	21h 22m	0.3	Midnight – 5h 23rd
0.4	18h 23rd		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 23rd 21h 15m. to 24th 02h 45m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	5.30	3.50	70
δ Ursae Minoris	5.30	3.28	63

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.†

Time.	Type.	No. per ½ sec.	Stren.	Direct.
13h.	C_1C_2	6	–	125°
18h.	C_1C_2	6	–	5°
01h.	C_1C_2	6	–	40°
07h.	C	5	–	–

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

24th – 25th May, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.47	11.50	7.52
	3.46	11.50	7.54
Greenwich	3.59	11.57	7.54
	3.58	11.57	7.56
Wick	3.30	12.9	8.47
	3.29	12.9	8.49
Valencia	4.38	12.38	8.38
	4.37	12.38	8.39

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
jp precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
u unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

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; i = intermittent; – = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";
Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
rr = continuous moderate rain.
r₀r₀ = continuous light rain.

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

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1– 3
2	4– 7
3	8–12
4	13–18
5	19–24
6	25–31
7	32–38
8	39–46
9	47–54
10	55–63
11	64–75
12	Above 75

SEA DISTURBANCE.
0=no swell } Calm or
1=mod. swell } slight
2=heavy swell } sea.
3=no swell } Moderate
4=mod. swell } sea.
5=heavy swell }
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

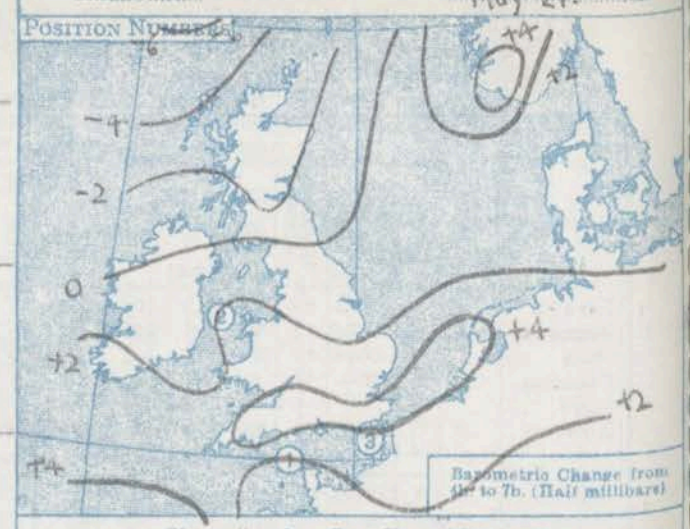
† For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. ¶ For scale see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 23rd	WEATHER. 13h.-18h. 23rd	WEATHER. 18h. 23rd to 1h. 24th	WEATHER. 1h.-7h. 24th	TEMPERATURE. Max. Day. 7h.-18h.	TEMPERATURE. Min. Night. 18h.-7h.	TEMPERATURE. Min. on Grass	RAINFALL† Day. 7h.-18h. mm.	RAINFALL† Night. 18h.-7h. mm.	RAINFALL† Precipitation began.	RAINFALL† Precipitation began.	SUN. 23rd Hours.
Lerwick	c	bc	b	cp	47	37	.	0.5	0.4	<0h	<2100	4.8
Stornoway	p	p	c	o	47	40	.	1	0.2	–	–	5.4
Wick	c	copr	bbc	o	48	36	.	trace	0.6	1230	<2100	.
Castlebay	cop-c	coc	cbop	obo	49	44	.	0.3	0.6	–	–	9.7
Nairn	bdc	cpg	cg	cg	48	38	.	0.3	–	1100	–	5.3
Aberdeen	oprbc	bcyc	cob	bbc	51	36	24	0.3	–	<0800	–	6.0
Malin Head	bcpr	bcv	pbcv	bcpv	47	42	.	0.3	0.4	1100	2200	12.5
Renfrew	ocbcy	cyaay	bb	bccw	53	34	22	–	–	–	–	5.3
Edinburgh (Inchkeith)	p	op	c	cbc	49	40	36	0.4	–	1100	–	6.7
Leuchars	copr	bcpp	cobrc	cbc	50	33	25	0.2	Trace	<0200	<2100	4.7
Eskdalemuir	bcep	cbcco	ocbc	bcb	48	29	26	3	–	1100	–	7.0
Tynemouth	ocpr	bbc	cm	bbcm	50	39	32	Trace	–	<0800	–	.
Blacksod Point	c	c	c		51	~~80~~	.	–	–	–		.
Donaghadee	bcq	b	b	bc	49	38	.	–	–	–	–	.
Birr Castle	c-o	co	co	cobc	43	32	34	–	–	–	–	.
Holyhead	o-c-bc	bcbv	bbcc	bcc	50	45	42	–	–	–	–	12.4
Liverpool (Bidston)	o	cbc	bc	bc	51	40	34	–	–	–	–	6.6
Chester (Shotwick)	od	omac	bcbm	cbc	51	34	28	Trace	–	<0800	–	3.6
Spurn Head	orr	birc	cbb	bb	47	39	.	0.2	–	1230	–	3.4
Birmingham (Edgbaston)	omdrr	orc	bcbcm	bbc	51	36	24	2	–	0900	–	0.1
Nottingham	rd	c	cbm	bc	47	32	29	1	–	<0800	–	0.9
Cranwell	odrd	d	bbc	cobm	45	31	25	1	Trace	<0800	–	0.7
Gorleston	cqpco	coqpr	bcqbq	bcc	58	37	31	0.4	–	1100	–	1.8
Valencia (Cahirciveen)	ocbcb	bbc	c	bcb	54	38	37	–	0.4	–	2400	11.1
Roches Point												
Pembroke (St. Ann's H.)	o	bbc	bbc	bbc	53	41	.	–	–	–	–	6.8
Ross-on-Wye	par	mudom	bmw	fwbm	56	34	29	1	–	0900	–	0.6
Benson	ira	orr	oc	bcom	58	36	31	3	0.1	1420	–	.
Andover	apror	orr	orroc	bcbw	59	37	34	5	0.4	1100	<2100	0.7
S. Farnborough	cr	orrm	orc	cbcb	61	36	29	7	1	0900	<2100	0.1
London (Kew Obsy.)	apr	orm	ormom	ombbm	59	38	34	11	1	1100	<2100	0.3
Croydon	arr	arrm	orrmo	obm	59	37	30	9	1	1100	<2100	0.4
Clacton-on-Sea	cou	apqr	ore	cbc	63	37	33	2	1	1230	<2100	2.6
Shoeburyness	anp	apqrr	orre	bcb	61	35	32	5	0.3	<0800	<2100	1.2
Grain	ar	arrm	ormc	cbcb	60	41	40	6	1	1100	<2100	1.7
Lympne	oc	ar	ocrr	bcco	60	42	39	0.1	4	1630	<2100	2.6
Scilly (St. Mary's)	ocp	c	bcb	bbc	57	46	.	0.2	–	0900	–	3.2
Falmouth (Pendennis)	co	cprbc	bc	b	58	43	.	trace	–	1430	–	2.5
Plymouth (Cattewater)	or	orrcb	bcb	b	57	41	36	4	–	1230	–	2.3
Portland Bill	c	pr	b	bbc	54	.	.	0.1	–	<0800	–	.
Southampton (Calshot)	o	orr	rba	c	55	42	41	1	3	<2100	<2100	2.6
Dungeness	o	o	b	o	59	46	.	trace	1	1430	2200	.
Jersey	odc	oco	dco	orro	56	48	.	0.5	2	1730	0330	0.0

† For Code *see* opposite page.

ISALLOBARS. May 24th 1923



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	23rd 10h.	Hibernia	NNE	6	bc	45	48	8
3	24th 3h.	Brighton	ENE	5	bc/r	51	55	8

GENERAL INFERENCE.

A wedge of high pressure will cause fair weather temporarily over the Southern half of the kindgom with rising day temperature but a risk of night frost. A depression moving East-southeastward from Iceland will cause some rain or showers in the North. In the rear of this disturbance it is probable that northerly winds will cause a fresh fall of temperature.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Thursday, 24th May, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Wind northerly light to moderate; fair generally; visibility mainly good; rising day temperature but risk of night frost.	Cool and unsettled.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Westerly winds veering NW. moderate or fresh; cloudy, some rain or showers; visibility moderate to good; cool.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind W. veering NW. moderate to strong; dull some rain, bright intervals later; visibility moderate to good; cool.	
17. N.W. Ireland 18. N.E. Ireland	As for 7 - 13.	
19. S.E. Ireland 20. S.W. Ireland	As for 1 - 6.	

E413

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0855 G.M.T. G. C. SIMPSON, F.R.S., Director.

SYNOPTIC CHART FOR MORNING OF Thursday, 24th MAY, 1923.

Scale - 1:10,000,000

Nautical Miles

Statute Miles

Low Cloud.

TEMPERATURE
WEATHER.
SEA

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

EXPLANATION

BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. Direction is shown by arrows flying with the wind. Force, on the scale 0–12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.

TEMPERATURE is given in ° F

WEATHER SYMBOLS: ○ clear sky, ◐ sky ¼ clouded; ◑ sky ½ clouded; ◒ sky ¾ clouded; ● overcast sky; • rain falling; * snow; ✱ sleet; ▲ hail; ≡ fog; =° mist; T thunder R thunderstorm.

SEA DISTURBANCE: ~~~ Rough, ≈≈≈ High.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

0.	Dense fog. Objects not visible at	55	yards
1.	Rather thick fog " "	220	"
2.	Very bad " "	550	"
3.	Bad " "	1,100	"
4.	Very poor " "	¼	miles.
5.	Poor " "	½	"
6.	Moderate " "	1	"
7.	Good " "	2½	"
8.	Very good " "	11	"
9.	Excellent, " beyond	11	"

Barometer Rising
Showers
Drizzle
LOW
Rain
O'cast.
Barometer
Cloudy
Barometer
Showers
Rising
Fair
Slowly
Fair
Falling
O'cast
Fair
Heavy Showers
Drizzle
Barometer
Cloudy
Fair
Cloudy
Cloudy
HIGH
Fine
Fine
Cloudy
Rising
Fine
O'cast.
O'cast.
Rain
Rain
O'cast.
O'cast
Showers
Cloudy.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4. BRITISH SECTION... Thursday, 24TH MAY ..... 1923. No. 144.

Observations at 0100 G.M.T. 24th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.‡ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1014.7	-1	NNW	1	bjb	40	85	8	4000	CuNb	1	Ci	3	•
Stornoway	1020.4	^	WNW	4	Cr	•	•	5	•	•	•	•	•	•
Wick	1018.0	-2	N	1	bc	37	92	8	5700	StCu	4	-	4	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1024.0	0	NW	3	b	43	88	8	4000	CuNb	3	-	3	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1021.0	+2	NW	2	bc	43	75	8	-	StCu	4	ACu	6	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1021.1	+1	W	1	bc	40	92	6	-	-	0	ACu	4	•
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1022.7	+2	N'E	5	C+	46	85	8	2500	Cu	8	-	8	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1021.3	+1	N	2	b	43	85	8	-	-	0	-	0	•
Birmingham (Edgbaston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1022.4	+2	W'N	1	b	33	97	8	4000	St	1	-	1	•
Gorleston	1019.9	+2	N'E	4	b-	44	75	7	5700	Cu	2	-	2	•
Valencia (Cahirciveen)	1026.4	+4	NW	3	C+	47	97	8	-	Cu	8	-	8	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1022.9	+2	NNE	2	b	41	85	8	4000	StCu	2	-	2	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover		•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...		•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...		•	•	•	•	44	•	•	•	•	•	•	•	•
Croydon	1020.1	+2	NNE	2	o/r	43	97	6	1500	St	9	-	9	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1019.0	+4	NE'N	4	bc/r	43	97	8	2500	Nb	6	-	6	•
Scilly (St. Mary's) ...	1021.5	+3	NNE	4	b	48	75	8	-	-	0	-	0	•
Falmouth (Pendennis)	1022.5	+2	N	4	b-	49	85	7	-	-	0	-	0	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1019.0	+6	NW'W	3	co-	46	85	7	‡	‡	‡	‡	‡	‡
Southampton (Calshot)	1020.1	+2	N'E	3	o/r	45	85	8	2500	St	10	-	10	•
Dungeness	1018.6	+3	NE	3	o/r	46	92	8	-	-	0	ASt	10	•
Jersey Th }														•
Guernsey Th }														•

Observations at 0700 G.M.T. 24th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.‡ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1011.6	-3	W	3	obr.	44	92	6	4000	Nb	6	ASt	10	2
Stornoway	1014.5	-4	SW	5	o	47	75	6	450	St	10	-	10	4
Wick	1014.4	-3	SW	3	o	44	92	8	-	-	0	CiSt	10	4
Castlebay	1018.7	-3	W	5	o	48	85	7	1500	St	10	-	10	4
Nairn	1016.7	•	NNW	2	C+	46	75	8	1500	StCu	7	-	7	5
Aberdeen	1018.5	-2	SW	3	bc+	44	75	8	4000	StCu	2	CiSt	5	•0
Malin Head	1022.4	-1	W	5	cd.	46	92	8	5700	Nb	8	-	8	3
Renfrew	1021.5	-1	WSW	3	C.	45	75	7	1500	StCu	7	-	7	•2
Edinburgh (Inchkeith)	1020.5	-2	W	3	bc+	42	85	7	-	-	0	ACu	4	•2
Leuchars	1019.7	-2	SW	2	bc-	42	75	8	7200	StCu	5	ASt	6	2
Eskdalemuir	1022.1	0	NNW	2	bt	43	65	8	4000	Cu	2	-	2	4
Tynemouth	1021.2	0	W	1	bc	44	85	6	2500	St	2	ACu	4	•0
Blacksod Point ...	1025.9	-1	W'N	4	0	47	65	8	-	StCu	10	-	10	3
Donaghadee	1023.6	+1	W	3	bc-	44	85	8	2500	St	2	ACu	4	3
Birr Castle	1026.3	•	NW	1	bc-	37	97	8	4000	StCu	6	-	6	•5
Holyhead	1024.4	+3	N'W	3	C	46	85	8	2500	Cu	6	ACu	7	5
Liverpool (Bidston) ...	1023.0	+2	W'N	2	bc+	47	85	8	2500	Cu	5	-	5	3
Chester (Shotwick) ...	1022.6	+3	NNW	3	b+	48	85	6	2500	StCu	3	-	3	•
Spurn Head	1022.5	+1	NSW	2	b	45	85	6	-	-	0	-	0	2
Birmingham (Edgbaston)	1023.5	+2	NE	2	b	41	92	4	4000	Cu	1	-	1	•
Nottingham	1022.8	+2	SW	1	bc-	38	97	4	1500	St	1	ACu	1	•
Cranwell	1023.4	+2	WSW	1	b	43	92	5	-	-	0	ACu	1	•
Gorleston	1022.3	+2	NW'N	1	C+	42	85	6	4000	Cu	7	-	7	1
Valencia (Cahirciveen)	1028.6	+3	-	0	C-	44	85	9	4000	StCu	8	-	8	C
Roches Point														
Pembroke (St. Ann's H.)	1024.1	+1	N	4	b	47	75	8	4000	StCu	3	-	3	2
Ross-on-Wye	1023.2	+2	-	0	mb-	42	92	5	-	-	0	-	0	•
Benson	1022.9	+3	N	2	c/m	41	97	6	-	St	7	-	7	•
Andover	1022.2	+4	NNE	3	b	42	92	8	1500	StCu	3	-	3	•
S. Farnborough ...	1023.0	+5	NNE	3	b+	44	85	8	4000	Cu	2	-	2	•
London (Kew Obsy.) ...	1023.7	+3	N'E	2	b	43	85	6	-	-	0	-	0	•
Croydon	1022.6	+2	NE	3	b+	44	85	6	4000	Cu	1	ASt	2	•
Clacton-on-Sea ...	1023	+3	N	3	bc-	43	85	7	2500	Cu	3	ACu	4	1
Shoeburyness	1023.0	+3	NNE	4	b-	46	75	8	4000	StCu	1	-	1	•0
Grain	1022.6	+3	NNE	4	b	47	75	8	4000	StCu	1	Cu	2	•
Lympne	1021.8	+4	NE	4	o	46	75	8	5700	StCu	9	-	9	•
Scilly (St. Mary's) ...	1023.8	+2	NNE	4	b	50	75	8	4000	Cu	3	-	3	4
Falmouth (Pendennis)	1023.0	+3	N	4	b+	48	75	7	4000	Cu	3	-	3	0
Plymouth (Cattewater)	1022.3	+5	-	0	b	45	85	6	-	-	0	-	0	0
Portland Bill	1022.8	+1	NNE	5	bc-	44	75	7	‡	‡	‡	‡	‡	4
Southampton (Calshot)	1023.1	+3	NE'N	5	b-	46	85	8	2500	StCu	2	-	2	0
Dungeness	1021.5	+4	NE	5	o	48	75	8	5700	StCu	10	-	10	5
Jersey Th }	1019.2	+1	N	3	o/r	50	92	7	2500	StCu	10	-	10	3
Guernsey Th }														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 23rd

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night, 22-23 °F.	Temperature. Max. Day, 23 °F.	Rainfall.† Night 17h.-9h. 22-23 mm.	Rainfall.† Day 9h.-17h. 23 mm.	Sunshine. Sunrise to 17h. 23 hr.	Sunshine. Sunrise to Sunset. 22 hr.
Montrose	-	-	37	48	-	2	3.0	6.5
Llandudno	cbc	bcb	43	51	13	-	6.4	0.1
Colwyn Bay ...	rcbc	dcb	42	51	14	-	4.6	0.2
Rhyl	pc	bc	42	50	14	-	4.7	0.0
Southport	bcbc	bcbybc	39	52	10	-	5.0	4.0
Blackpool	oc	bcc	40	52	10	-	5.0	3.3
Ilkley	oRmb	bcdo	35	50	19	0.1	2.7	0.0
Harrogate	ro	obco	34	49	23	-	2.5	0.0
Skegness	opdo	odo	45	46	6	0.1	0.0	0.7
Aberystwyth ...	roc	b	47	54	6	-	3.5	0.0
Bath	copdo	ocd	52	58	2	1	1.2	1.2
Leamington Spa ...	cbb	oco	43	61	1	0.4	0.5	0.4
Lowestoft	ocp	op	45	60	1	1	2.6	0.0
Felixstowe	ombc	orpm	51	63	0.2	3	2.6	2.2
Southend	ocop	ogR	50	61	1	5	1.2	1.5
Ilfracombe	o	ro	50	54	2	7	0.0	0.0
Bude	o	b	50	57	-	-	5.2	0.0
Penzance	oc	ocbc	52	59	-	-	?	0.9
Paignton	obc	obro	52	61	-	4	0.9	3.2
Torquay	c	ropo	52	60	-	2	0.2	5.2
Weymouth	co	po	51	60	-	1	1.6	2.8
Bournemouth ...	oc	ocr	51	60	-	1	1.5	2.5
Portsmouth (S'thpea)	oc	cp	51	61	Trace	1	2.9	3.6
Worthing	o	o	51	60	-	-	1.8	2.6
Brighton	c	c	52	56	-	-	1.3	1.4
Eastbourne	o	o	51	58	-	-	1.1	1.6
Hastings	oco	ocbco	51	58	Trace	-	0.7	2.8
Folkestone	oc	cc	46	59	-	-	3.2	?
Tunbridge Wells ...	co	or	50	61	-	7	1.8	3.8
Ramsgate	bcbc	bcor	50	62	-	3	1.2	2.8
Margate	co	orr	51	62	-	3	1.1	1.3
Deal	o	co	51	62	-	-	2.3	3.2

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm ‡ For code see page 3. § See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22464 Friday, 25th May 1923.

Observations at 1500 G.M.T. 24th

STATIONS.	Baromr. at M.S.L. m.b	Change in 3 Hours‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility‡ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.	Sea. 0-9
Lerwick	1007·4	-5	SW	4	drizzle	46	92	5	4000	Nb	10	-	10	•	2
Stornoway	1009·8	-5	WNW	4	drizzle	50	92	6	450	St	10	-	10	•	3
Wick	1009·4	-6	SW	3	drizzle	50	97	8	4000	Cu Nb	10	-	10	•	4
Castlebay	1014·5	-3	WSW	4	drizzle	49	97	6	800	Nb	10	-	10	•	4
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1014·1	-5	SW	3	drizzle	52	75	7	2500	Nb	4	Ast	10	0	0
Malin Head	1018·7	-3	SW'W	5	drizzle	49	92	8	1500	St	4	Ast	10	•	4
Renfrew	1018·6	-3	SW	4	drizzle	48	75	7	1500	St Cu	10	-	10	0	4
Edinburgh (Inchkeith)	1015·9	-5	WSW	5	drizzle	48	75	7	-	St	10	-	10	•	4
Leuchars	1015·6	-4	SW	6	drizzle	51	75	8	2500	St Cu	8	Ast	10	0	0
Eskdalemuir	1019·2	-2	W	5	drizzle	47	65	8	4000	St Cu	10	-	10	0	0
Tynemouth	1019·7	-1	W	3	drizzle	54	65	7	4000	Cu	4	-	4	•	1
Blacksod Point	1023.8	-3	W'N	5	drizzle	51	75	8	-	-	0	Ast	10	•	3
Donaghadee	1021·6	-2	SW	3	drizzle	50	75	8	4000	St Cu	8	-	8	•	3
Birr Castle	1026·1	*	NW	2	drizzle	51	65	8	4000	Cu	9	-	9	•	0
Holyhead	1024·3	-2	WNW	3	drizzle	51	65	9	4000	St Cu	3	Cist	7	0	4
Liverpool (Bidston)	1023·3	-1	W	3	drizzle	48	65	8	4000	Cu	3	Cist	5	•	4
Chester (Shotwick)	1023·3	-1	WNW	5	drizzle	52	65	8	4000	Cu	3	Cist	4	1	0
Spurn Head	1021·3	-1	SSE	3	drizzle	49	85	6	2500	Cu	7	-	7	•	3
Birmingham (Edgbaston)	1022·5	-2	WNW	3	cloudy	52	65	7	4000	Cu	7	-	7	1	0
Nottingham	1021·7	-2	W	3	drizzle	52	75	6	2500	Nb	4	Cist	6	•	0
Cranwell	1022·2	-2	WSW	2	cloudy	53	65	7	4000	St Cu	7	-	7	0	0
Gorleston	1022.4	0	E'S	2	drizzle	50	65	7	5700	Cu Nb	5	-	5	•	0
Valencia (Cahirciveen)	1028·8	0	W'N	3	drizzle	50	65	9	4000	St Cu	7	Ast	10	1	3
Roches Point	...	...	...	...	...	...	...	...	...	...	...	...	...	•	...
Pembroke (St. Ann's H.)	1025·5	+1	N	4	rain	51	75	8	4000	St Cu	3	-	3	•	2
Ross-on-Wye	1024·5	0	W'N	1	drizzle	55	55	8	5700	Cu	9	-	9	0	0
Beneson	1022·7	-1	N	2	drizzle	53	65	8	-	Cu	5	-	5	0	0
Andover	1022·8	+1	NE	1	drizzle	53	55	8	4000	Cu	7	-	7	0	0
S. Farnborough	1022·5	-1	NE	3	drizzle	53	55	8	4000	Cu	7	-	7	0	0
London (Kew Obsy.)	1022·9	-1	N	2	drizzle	53	55	7	4000	Cu	6	-	6	1	0
Croydon	1022·7	-0	NE	2	drizzle	53	65	7	4000	Cu	8	-	8	1	0
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1023·2	0	ENE	3	rain	53	65	8	5700	Cu	1	-	1	*	1
Grain	1023·3	0	E	3	rain	52	65	8	4000	Cu	2	-	2	1	0
Lympne	1022·4	0	NE	3	drizzle	52	65	9	2500	Cu	6	Ast	1	0	0
Scilly (St. Mary's)	1025·7	+1	NE	4	rain	52	65	8	4000	Cu	3	-	3	•	4
Falmouth (Pendennis)	1024·1	0	NNW	4	drizzle	50	65	8	4000	Cu	6	-	6	•	0
Plymouth (Cattewater)	1023·5	+1	N	3	drizzle	54	55	6	4000	St	10	-	10	0	0
Portland Bill	1023·1	+1	NE	2	drizzle	53	75	7	?	?	?	?	?	•	0
Southampton (Calshot)	1023·2	+0	E'S	2	drizzle	56	55	7	2600	Cu	5	-	5	0	0
Dungeness	1022·5	0	NE	4	rain	52	65	8	-	-	0	-	0	•	0
Jersey	1021·2	0	N	3	drizzle	52	65	7	2500	Nb	10	-	10	•	3

Observations at 1800 G.M.T. 24th

STATIONS.	Baromr. at M.S.L. m.b	Change in 3 Hours‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility‡ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1004·5	-2	WSW	3	rain	49	75	5	4000	Cu	1	ACu	2	2
Stornoway	1006·1	-5	WNW	4	drizzle	46	85	6	4000	Nb	8	-	8	3
Wick	1004·6	-4	WNW	3	rain	47	92	8	1500	Cu Nb	5	ACu	6	0
Castlebay	1011·0	-3	W	5	drizzle	49	75	7	2500	Cu	4	-	4	4
Nairn	1006·0	-	WNW	4	drizzle	47	92	8	1500	St	8	-	8	0
Aberdeen	1007·5	-7	SW	4	cloudy	52	75	7	4000	St Cu	7	Ast	10	0
Malin Head	1014·7	-4	W	6	drizzle	48	97	7	4000	Nb	8	-	8	4
Renfrew	1012·8	-8	SW	4	drizzle	48	92	6	800	Nb	10	-	10	4
Edinburgh (Inchkeith)	1010·6	-6	WSW	6	cloudy	47	92	7	-	St	5	Ast	10	4
Leuchars	1010·8	-6	SW	6	cloudy	48	85	7	800	St	10	-	10	0
Eskdalemuir	1015·1	-6	SW'W	6	cloudy	45	85	7	800	Nb	10	-	10	0
Tynemouth	1015·6	-3	W	3	drizzle	51	75	6	4000	Cu	5	-	5	1
Blacksod Point	1017·3	-4	W	4	drizzle	51	75	8	2500	St	3	Ast	8	3
Donaghadee	1023·0	-	W	2	cloudy	51	75	8	4000	Cu	9	-	9	0
Birr Castle	1021·5	-5	SSW	4	cloudy	48	75	9	4000	St Cu	10	-	10	4
Holyhead	1020·2	-3	W'S	4	cloudy	49	75	8	2500	St	9	-	9	4
Liverpool (Bidston)	1021·0	-2	WNW	5	cloudy	52	65	8	2500	St Cu	9	-	9	0
Chester (Shotwick)	1018·8	+7	W	4	drizzle	52	75	6	-	-	0	Cist	5	3
Birmingham (Edgbaston)	1020·7	-2	NW	3	drizzle	53	65	7	4000	St Cu	7	Ci	8	0
Nottingham	1019·9	-1	W	3	drizzle	53	65	7	-	-	0	Ci	4	0
Cranwell	1020·2	-2	WNW	3	drizzle	53	65	8	4000	Cu	0	Ci St	4	0
Gorleston	1020·6	-2	S'E	4	cloudy	49	75	7	-	-	0	Ci St	7	1
Valencia (Cahirciveen)	1026·6	-2	W	4	cloudy	51	75	8	1500	St Cu	7	Ast	10	3
Roches Point	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pembroke (St. Ann's H.)	1024·0	-1	W	3	drizzle	49	75	8	-	St Cu	4	-	4	2
Ross-on-Wye	1021·0	-2	NW'N	3	cloudy	54	55	9	4000	St Cu	6	Ci	7	0
Beneson	1021·4	-3	W	1	drizzle	57	55	8	-	Cu	4	-	4	0
Andover	1021·1	-1	W'N	2	drizzle	57	55	8	3700	Cu	4	ACu	5	0
S. Farnborough	1021·0	-2	Calm	-	cloudy	55	65	8	4000	Cu	5	ACu	7	0
London (Kew Obsy.)	1021·0	-2	WSW	2	drizzle	58	55	7	7200	Cu	4	-	4	0
Croydon	1021·1	-2	NW'N	1	cloudy	55	55	7	2500	St Cu	4	ACu	7	0
Clacton-on-Sea	1021·1	-2	SE	3	drizzle	50	75	7	2500	Cu	2	-	2	1
Shoeburyness	1021·2	-3	SE	2	drizzle	50	65	8	-	-	0	-	0	1
Grain	1021·3	-2	ESE	3	drizzle	53	65	9	4000	St Cu	1	-	1	0
Lympne	1021·4	-1	ESE	3	drizzle	48	75	8	4000	Cu	2	-	2	0
Scilly (St. Mary's)	1026·0	0	N'W	4	drizzle	51	65	8	4000	Cu	1	-	1	4
Falmouth (Pendennis)	1023·6	-1	N	4	drizzle	50	65	8	5700	Cu	1	-	1	0
Plymouth (Cattewater)	1023·8	0	NNW	4	drizzle	54	75	8	4000	Cu	1	-	1	0
Portland Bill	1023·2	0	NNE	3	drizzle	51	75	7	-	-	0	-	0	-
Southampton (Calshot)	1023·2	0	WSW	4	drizzle	52	65	7	4000	St Cu	3	Ac Cu	6	0
Dungeness	1021·6	-1	E	3	drizzle	51	55	8	-	-	0	Ci St	3	4
Jersey	1021·0	0	W	3	drizzle	52	75	8	4000	St Cu	3	-	3	3

London Observations

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 hours ended 0900 G.M.T. 25th								Yesterday.		To-day.
Kew } 24 hours ended 0700 Croydon }	b3bcy b3m	c3by c3y	b3y c3y	* *	* *	33 36	- -	32 04	12.1 11·8	* *	* *
Greenwich (Royal Obsy.)	bc	co	obcr	59	41	32	-	03	9·8	54	79
City (Bunhill Row)	*	*	*	*	*	*	*	*	10.4	*	*
Westminster (St James' Pk.)	*	*	*						11·3		
Regent's Pk. (Botanic Gdns)	*	*	*	*	*	*	*	*	10.4	*	*
Camden Square	bbc	bcebc	*	60	42	38	-	Tr.	*	*	81
Kensington Palace	cbc	cbc	*	58	41	35	-	03	*	71 (18h)	80
Hampstead Observatory	*	*	*	58	39	32	-	Tr.	12.2	*	86

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T. 24th

South Kensington

Max.	Time.	Min.	Time.
0.6	17h 23d	<0.3	1-5h
0.6	8h 24th		24th

Kew Observatory

Max.	Time.	Min.	Time.
0.3	13h 23d	<0.3	15h 24th
0.4	7h 0h 24th		

Pole Star Record at Greenwich Obsy.

Exposures from 24th 21h 15m. to 25th 02h 45m.

Stars.	Exposure. b. m.	Record. h. m.	Record. %
Polaris	5·30	5·30	100
δ Ursae Minoris	5.30	5.30	100

Code for State of Ground

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Sleeting to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

Radio Disturbances (Atmospherics) at Croydon.†

Time.	Type.	No. per 1 hor.	Stren.	Direc.
13h.	C C2	61	-	95
18h.	C	5	-	150
01h.	C	3	-	135
07h.	C C2	6	-	95

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom.

25th May, 1923.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.46	11.50	7.54
	3.45	11.50	7.56
Greenwich	3.37	11.57	7.56
	3.37	11.57	7.57
Wick	3.29	12.5	8.43
	3.25	12.9	8.51
Valencia	4.37	12.38	8.20
	4.36	12.38	8.40

Beaufort Notation of Weather.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
ip precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

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; i = intermittent; - = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";
Capital letters indicate intense, suffix c indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
rr = continuous moderate rain.
r_0r_0 = continuous light rain.

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

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

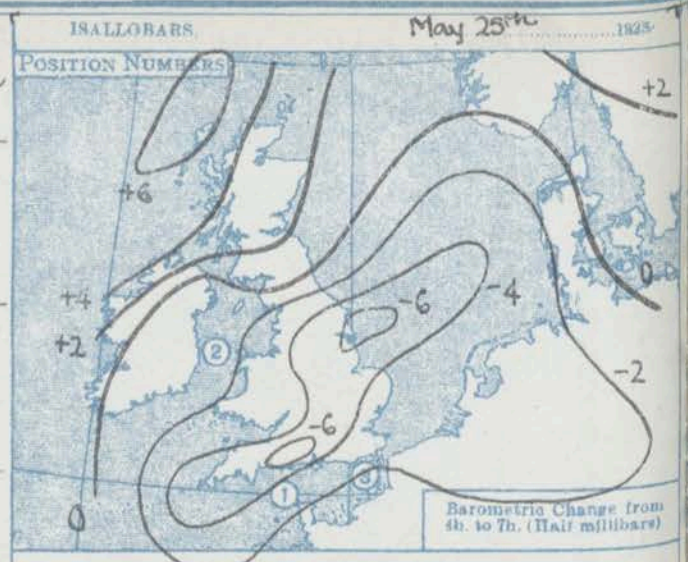
Sea Disturbance.

0=no swell } Calm or
1=mod. swell } slight
2=heavy swell } sea.
3=no swell } Moderate
4=mod. swell } sea.
5=heavy swell }
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

† For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. ¶ For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 24th	13h.-18h. 24th	18h. 24th to 1h. 25th	1h.-7h. 25th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS	RAINFALL† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 24th Hours.
Lerwick	omr	amr	c	c	50	41	.	6	0.6	<0800	04.30	3.6
Stornoway	p	b	b	r	52	40	.	3	5	–	–	3.0
Wick	oR	oPRc	cbrbc	cbob	56	37	.	0.5	1	1430	<2100	.
Castlebay	oddm	dmbc	bcbcb	obcob	50	44	.	1	2	–	–	3.0
Nairn	cqd	clRq	qcdv	bcg	57	41	.	2	1	0900	<2100	2.3
Aberdeen	bcco	oco	PRbc	bbc	56	40	37	trace	2	1100	<2100	4.3
Malin Head	oid	10m	PRq	PRq	51	43	.	1	2	<0800	22.00	0.9
Renfrew	cp	oddq	corr	cbcb	51	40	35	0.3	0.5	0900	<2100	1.6
Edinburgh(Inchkeith)	oo	o	ir.b	r.	49	41	40	–	3	–	<2100	4.2
Lenchars	c	o	obrbbc	bbc	55	38	32	–	0.2	–	<2100	7.4
Eskdalemuir	copo	opodo	odrmbcb	bcoro	50	39	37	trace	7	1100	<2100	4.9
Tynemouth	b-bc	mo	r.r.	orn	56	44	39	–	Trace	–	24.00	.
Blacksod Point	o						.					.
Donaghadee	c	oq	bcqb	bcqb	53	44	.	–	0.4	–	<21.00	.
Birr Castle	co	co	coir.	coir.	51	44	38	–	0.1	–	<21.00	.
Holyhead	bcvcv	cov	ocbcv	bcco	51	47	45	–	0.2	–	24.00	7.9
Liverpool (Bidston)	b-bc	co	b	b	51	45	42	–	2	–	02.30	11.3
Chester (Shotwick)	bmb	bccc	do	or.br	53	46	41	–	0.4	–	01.30	12.1
Spurn Head	b-bc	c	c	c	55	41	.	–	–	–	–	5.3
Birmingham (Edgbaston)	b-bc	b-bc	bc	corr	57	41	38	–	2	–	03.30	7.0
Nottingham	c	c	b	ob	57	42	37	–	1	–	02.30	8.7
Cranwell	bbccz	cbc	c	ocmrc	55	40	33	–	Trace	–	05.30	3.4
Gorleston	bcbbc	bcbqc	bc	bcco	51	41	37	–	–	–	–	3.8
Valencia (Cahirciveen)	cbco	aco	or	o	52	48	43	–	1	–	<21.00	3.0
Roches Point												
Pembroke(St.Ann's H.)	b-bc	b-bc	o	obrq	52	47	.	–	Trace	–	03.30	10.6
Ross-on-Wye	bzbcc	cy	bcvbbc	cobz	58	41	35	–	0.2	–	04.30	9.1
Benson	cbc	bc	bcb	bcco	60	33	27	–	Trace	–	–	.
Andover	bbccy	cybcy	bcyb	bcobr	57	34	31	–	0.1	–	05.30	11.7
S. Farnborough	bcc	cyc	cb	bcb	60	36	30	–	Trace	–	–	11.1
London (Kew Obsy.)	bzbcy	cybcy	bcybmb	bocom	58	41	33	–	0.2	–	05.30	12.1
Croydon	bcm	ezoy	cybb	borrm	56	41	36	–	0.4	–	06.30	11.8
Clacton-on-Sea	bc	bcb	bbcc	cbcco	53	43	38	–	–	–	–	13.6
Shoeburyness	b	b	b	bccom	54	42	37	–	–	–	–	13.7
Grain	bb	bvbv	bvbcw	pbvo	54	42	33	–	Trace	–	–	13.6
Lympne	ocv	cbcb	bw	bow	53	38	28	–	Trace	–	–	2.2
Scilly (St. Mary's)	bc	bc	bbcc	coqb	54	46	.	–	0.6	–	01.30	14.1
Falmouth (Pendennis)	bbc	bcb	bbc	bcpr	54	43	.	–	0.2	–	03.30	14.2
Plymouth(Cattewater)	coy	cbcby	bob		56	43	37	–	0.2	–	06.30	8.4
Portland Bill	b-bc	b-bc	?	obr	?	?	.	?	?	?	?	.
Southampton(Calshot)	bcbc	c	bbc	b	58	39	36	–	Trace	–	06.30	10.4
Dungeness	c	b-bc	bbc	bbc	55	39	.	–	–	–	–	.
Jersey	oido	ob	bc	bc	53	47	.	0.4	–	0900	–	1.5



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	24th 10h.	Hibernia	NW	4	–	48	48	–
1	24th 12h.	Reindeer	NE'E	5	ok	50	52	7
3	25th 3h.	Arundel	NNW	2	b–	50	51	7

GENERAL INFERENCE.

The depression which has come down from Iceland is now over the Northern North Sea and moving Southeastward. Cold northerly winds will maintain low temperature generally with showers of rain or hail and a thundery tendency. Fairer weather will spread later from the Northwest but temperature will continue below the normal.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Friday, 25th May, 1923.	Further Outlook.
1. S.E. England 2. E. England 3 E. Midlands	Fresh westerly wind; cloudy, some thundery showers of rain or hail; visibility mainly good; cold.	Fairer later in the North but continuing cool generally.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind northwest, strong at times; cloudy, thundery showers of rain or hail; visibility mainly good; cold.	--- ▲ North Cone hoisted 0930 GMT this morning. ---
11. E. Scotland ▲12. S.W. Scotland 13. Isle of Man ▲14. N.& N.W. Scotland ▲15. Hebrides 16. Orkneys and Shetlands	Strong northerly winds; showers of rain, hail or sleet, bright intervals; visibility mainly good; cold.	
▲17. N.W. Ireland ▲18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 4 - 10.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0855 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.

SYNOPTIC CHART FOR MORNING OF Friday, 25th MAY, 1923.

Scale - 1:10,000,000

Nautical Miles. 100 0 100 200

Statute Miles. 100 0 100 200

Low Cloud.

TEMPERATURE
WEATHER.
SEA

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

EXPLANATION

BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. Direction is shown by arrows flying with the wind. Force, on the scale 0—12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.

TEMPERATURE is given in ° F

WEATHER SYMBOLS: ○ clear sky, ◔ sky ¼ clouded; ◑ sky ½ clouded; ◕ sky ¾ clouded; ● overcast sky; ● rain falling; ✱ snow; ✱ sleet; ▲ hail; ≡ fog; =° mist; T thunder; ⛈ thunderstorm.

SEA DISTURBANCE: ~~~ Rough, ≈≈≈ High.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

0.	Dense fog. Objects not visible at	55	yards
1.	Rather thick fog " "	220	"
2.	Very bad " "	550	"
3.	Bad " "	1,100	"
4.	Very poor " "	1¼	miles.
5.	Poor " "	2½	"
6.	Moderate " "	6½	"
7.	Good " "	12½	"
8.	Very good " "	31	"
9.	Excellent. "	beyond 31	"

H.M. Stationery Office Press, Holyrood, E.C.2

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION.....Friday, 25th May.....1923. No. 145.

STATIONS.	Observations at 0100 G.M.T. 25th														Observations at 0700 G.M.T. 25th												
	Barom. at M.S.L.	Change in 3 Hours†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility† 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9	Barom. at M.S.L.	Change in 3 Hours†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility† 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
	m.b														m.b												
Lerwick	1006.7	+2	-	0	b-	43	85	7	-	-	0	ASt	3	•	1005.9	+2	NNE	3	c	46	83	7	4000	CuNb	2	ACu	7	2
Stornoway	1000.9	•	NW	4	PR	•	•	5	•	•	•	•	•	•	1011.0	+7	NNE	7	odd	43	85	5	450	St	10	-	10	6
Wick	1003.3	0	WNW	2	bc	39	97	8	2500	CuNb	3	Cu	5	•	1004.8	+3	NW	3	obr.	43	83	8	4000	CuNb	10	-	10	6
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1012.9	+5	N	5	obr.	45	85	7	1500	Nb	9	-	9	5
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1007.0	•	NNW	2	c	49	92	8	1500	St	7	-	7	6
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1005.5	+2	WNW	4	bc	45	85	8	2500	St	7	-	7	6
Malin Head	1011.2	-3	NNW	4	oPR	46	97	7	5700	Nb	6	ASt	9	•	1012.6	+5	NNW	7	oPR	47	85	8	4000	CuNb	8	-	8	6
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1007.6	+3	NNW	3	b	47	75	8	5700	StCu	3	-	3	2
Edinburgh(Inchkeith)	1005.8	-1	NSW	4	b-	45	92	7	-	StCu	3	-	3	•	1006.3	+2	NW	3	bc*	44	85	8	-	Cu	3	ACu	6	2
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1005.3	+2	NW	4	bc	45	75	8	5700	StCu	3	ASt	6	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1006.5	0	N'W	4	o/r	42	85	8	2500	StCu	10	-	10	•
Tynemouth	1009.1	-3	W	2	bc/r	48	92	6	4000	Nb	4	-	4	•	1006.5	0	W'S	2	o	46	85	6	4000	StCu	10	-	10	1
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1011.2	-1	NNE	4	bc-	47	85	8	1500	Cu	5	-	5	4
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1016.7	•	NW	3	cr.	46	85	6	1500	Nb	8	-	8	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1011.5	-1	WNW	6	o	48	75	8	2500	Cu	3	-	3	6
Holyhead	1014.1	-5	WNW	6	bc-	49	85	9	5700	StCu	6	-	6	•	1003.6	-4	W'S	6	o/r	46	85	8	2500	St	10	-	10	6
Liverpool (Bidston)...	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1010.7	-3	W	4	or.	46	85	6	800	St	10	-	10	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•														
Spurn Head	1013.5	-4	SW	5	c*	45	85	7	4000	StCu	8	-	8	•	1009.5	-6	SW	4	c	48	85	6	4000	StCu	8	-	8	3
Birmingham (Edgbaston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1011.3	-4	NNW	4	b*	47	75	7	4000	StCu	2	-	2	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1010.1	-4	W	3	bc-	48	85	6	4000	Cu	4	-	4	•
Cranwell	1013.2	-6	SW	4	o	43	85	6	1500	StCu	3	-	3	•	1010.8	-3	NSW	3	c-	47	85	7	5700	StCu	5	ACu	7	1
Gorleston	1014.2	-2	SW'S	2	bc	43	88	8	4000	Cu	4	-	4	•	1012.3	-3	SW'S	3	o*	45	75	6	4000	Nb	10	-	10	•
Valencia (Cahirciveen)	1022.1	-4	NW	5	o/r	49	97	7	-	St	10	-	10	•	1021.6	0	NNW	5	o	50	65	6	1300	St	10	-	10	3
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•														
Pembroke(St.Ann's H.)	1015.9	-3	W'N	6	o	49	86	8	2500	StCu	10	-	10	•	1016.1	-2	WNW	5	c	43	75	8	2500	StCu	7	-	7	4
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1013.0	-3	W	2	bc-	49	65	8	4000	StCu	6	-	6	•
Benson...	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1012.8	-3	SW	4	o	47	83	8	-	StCu	10	-	10	•
Andover		•	•	•	•	•	•	•	•	•	•	•	•	•	1014.0	-3	NSW	4	or	47	92	7	1500	StCu	10	ACu	10	•
S. Farnborough ...		•	•	•	•	•	•	•	•	•	•	•	•	•	1013.4	-4	NSW	4	o-	43	85	8	4000	StCu	5	ACu	9	•
London (Kew Obsy.)...		•	•	•	•	46	•	•	•	•	•	•	•	•	1013.3	-4	SSW	3	o/r	46	83	6	1500	Nb	5	ASt	10	•
Croydon	1018.7	-3	SSW	2	b	44	97	7	-	-	0	-	0	•	1014.3	-4	SSW	4	o/r	43	92	7	800	Nb	3	ASt	10	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1013.3	-3	SW	4	o*	46	85	6	7200	StCu	8	ACu	10	2
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1013.9	-3	SW	4	mo*	47	75	6	2500	StCu	3	ACu	10	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1013.9	-3	SW	4	o*	46	85	7	2500	St	10	-	10	•
Lympne	1019.0	-2	W'N	3	b	42	92	8	-	-	0	-	0	•	1015.6	-2	NSW	3	o	44	85	7	-	-	10	ACu	9	•
Scilly (St. Mary's) ...	1023.3	-3	WNW	4	o	49	85	8	4000	StCu	9	-	9	•	1018.7	-4	NW	5	obr.	49	97	6	2500	CuNb	10	-	10	5
Falmouth (Pendennis)	1021.8	-3	W'S	3	bc*	44	92	8	4000	StCu	5	-	5	•	1017.-	-2	NNW	3	cbr.	50	92	8	4000	CuNb	7	-	7	0
Plymouth(Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1016.0	-5	NW	2	c/r	50	97	8	2500	StCu	7	-	7	•
Portland Bill														•	1016.0	-6	W'S	5	obr.	50	75	7	2500	St	10	-	10	•
Southampton(Ca.shot)	1019.8	-3	WNW	2	b-	42	85	8	-	-	0	-	0	•	1014.6	-6	SW'W	4	o	50	85	8	2500	St	10	-	10	3
Dungeness	1018.8	-2	NW	2	b	39	92	8	-	-	0	-	0	•	1015.3	-2	W	4	bc*	49	75	8	4000	Cu	3	ACu	6	0
Jersey 7h }														•	1018.3	-1	W	4	bc	50	65	8	4000	StCu	6	-		3
Guernsey 1h }																												

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 24th May.....

STATIONS.	WEATHER. Fore-noon.	WEATHER. After-noon.	TEMPERATURE. Min. Night. 23rd. °F.	TEMPERATURE. Max. Day. 24th. °F.	RAINFALL.† Night 17h.-9h. 23rd-24th. mm.	RAINFALL.† Day 9h.-17h. 24th. mm.	SUNSHINE. Sunrise to 17h. 24th. hr.	SUNSHINE. Sunrise to Sunset. 23rd. hr.
Montrose	*	*	34	54	-	-	4.6	3.6
Llandudno	bbc	cbc	45	53	-	-	8.2	9.0
Colwyn Bay ...	bc	bc	43	53	-	-	8.3	7.9
Rhyl...	bc	bc	37	53	-	-	9.3	7.2
Southport	bb	bco	36	53	-	-	10.2	6.3
Blackpool	bcc	o	35	53	-	-	8.5	6.4
Ilkley	xbc bb	b	32	51	0.1	-	10.4	3.2
Harrogate	b	bbcco	33	54	1	-	2.6	9.3
Skegness	xb	bmo	35	56	-	-	9.5	0.0
Aberystwyth ...	cbb	b	35	53	-	-	12.0	6.5
Bath	b	bbc	33	58	1	-	8.0	1.2
Leamington Spa ...	bzc	bcc	28	61	-	-	8.0	0.5
Lowestoft	bcoc	ocb	38	56	0.2	-	4.0	2.6
Felixstowe	bc	b	36	54	0.3	-	10.5	2.6
Southend	bc	b	37	56	2	-	11.0	1.2
Ilfracombe	b	b	46	54	-	-	11.3	0.0
Bude	b	b	50	61	3	-	11.4	3.6
Penzance	bc	bc	45	56	-	-	*	*
Paignton	bbc	bcc	40	56	-	-	10.1	0.9
Torquay	b	bccc	42	57	0.2	-	?10	0.2
Weymouth	bc	bcb	39	60	3	-	11.2	1.6
Bournemouth ...	b	b	38	58	2	-	10.5	1.5
Portsmouth (S'thea)	b	bbc	42	57	2	-	10.5	2.9
Worthing	bcbc	bbc	43	57	1	-	10.8	1.8
Brighton	b	b	43	58	1	-	6.8	1.3
Eastbourne... ...	cbc	bcb	44	55	4	-	7.8	1.1
Hastings	cocbcv	bcbv	44	55	1	-	6.8	0.7
Folkestone... ...	b	b	44	59	4	-	9.2	3.3
Tunbridge Wells ...	bbcb	b	40	57	3	-	10.4	1.8
Ramsgate	bcb	bv	44	55	5	-	9.3	1.2
Margate	cb	b	46	52	3	-	8.0	1.2
Deal	ocbc	bbb	46	56	3	-	10.0	2.3

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm ‡ For code see page 7 See footnote page 4

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22465 Saturday, 26th May 1923.

STATIONS.	Observations at 1300 G.M.T. 25th: Barom. at M.S.L. m.b	Change in 3 Hours†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1008·5	+1	NE	8	o	45	85	7	7200	StCu	7	ASt	10	*
Stornoway	1010·5	+5	NNE	6	c-	45	85	6	800	St	8	-	8	*
Wick	1007·9	+3	N	7	or	44	92	7	800	St	10	-	10	*
Castlebay	1017·1	+1	N	5	bpr$_o$	47	75	7	1500	Nb	8	-	8	*
Nairn	*	*	*	*	*	*	*	*						*
Aberdeen	1006·6	+1	N	4	or	45	92	7	2500	Nb	10	-	10	1
Malin Head	1015·6	+3	NNW	7	bc-	47	85	8	7200	CuNb	3	CCu	4	*
Renfrew	1009·5	+2	N	5	bPPr	48	65	8	2500	CuNb	9	-	9	1
Edinburgh (Inchkeith)	1007·6	+1	NNE	3	bpr$_o$	48	75	8	-	CuNb	3	CSt	9	*
Leuchars	1007·4	+1	NNW	4	d/r	49	65	8	4000	CuNb	10	-	10	5
Eskdalemuir	1008·4	+0	N	4	ch(r)	43	75	8	2500	CuNb	8	-	8	1
Tynemouth	1006·9	0	NNE	2	b/r	49	85	7	4000	CuNb	3	-	3	*
Blacksod Point	1010·7	+2	NW	6	c-	51	65	8	*	CuNb	7	-	7	*
Donaghadee	1012·4	+1	NNW	5	c+	49	75	8	2500	Cu	7	-	7	*
Birr Castle	1016·4	*	NW	3	c-	49	85	8	4000	StCu	7	-	7	*
Holyhead	1011·6	+0	NNW	5	bfo	48	85	8	1500	StCu	10	-	10	0
Liverpool (Bidston)	1009·4	0	WNW	5	bc	50	66	8	1500	StCu	6	-	6	*
Chester (Shotwick)	1009·7	-0	WNW	6	c	53	65	8	4000	StCu	8	-	8	1
Spurn Head	1008·3	-3	NW	4	opr$_o$	49	85	7	4000	CuNb	10	-	10	*
Birmingham (Edgbaston)	1008·2	-2	NW	5	dp	49	75	7	4000	CuNb	8	-	8	1
Nottingham	1007·4	-3	W	4	bc	53	65	7	800	CuNb	6	-	6	*
Cranwell	1007·9	-2	W	4	opr$_o$	49	75	8	1500	Cu	9	-	9	0
Gorleston	1009·2	-2	SW	3	d/r	53	65	6	4000	Nb	7	-	7	*
Valencia (Cahirciveen)	1021·8	-1	NNW	5	c+	52	65	8	4000	StCu	8	-	8	0
Roches Point	1017·2	-1	NW	5	c-	53	75	8	4000	StCuNb	7	-	7	*
Pembroke (St. Ann's H.)	1014·2	-1	NNW	4	b-	52	65	8	4000	Cu	3	-	3	*
Ross-on-Wye	1010·3	-2	NW	3	bc	53	65	9	4000	Cu	4	Ci	5	0
Benson	1009·6	-4	W	3	bc	54	65	8	—	Cu	5	-	5	0
Andover	1010·5	-3	WNW	5	c-	52	65	8	2500	StCu	8	-	8	0
S. Farnborough	1009·9	-3	WSW	4	or	54	65	7	2500	Cu	9	-	9	1
London (Kew Obsy.)	1009·3	-5	W	2	o	56	55	8	4000	StCu	8	ACu	9	1
Croydon	1009·9	-3	NWW	3	o/r	56	65	7	2500	Cu	9	-	9	1
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1009·3	-4	SW	3	o	51	75	6	4000	StCu	8	ASt	10	+
Grain	1009·7	-4	SW	4	o/r	50	85	7	2500	StCu	10	-	10	0
Lympne	1010·1	-4	NW	4	opr$_o$	51	85	8	800	Nb	9	ASt	10	1
Scilly (St. Mary's)	1017·7	-1	NWN	6	c-	52	75	7	4000	Cu	4	ACu	7	*
Falmouth (Pendennis)	1016·6	-1	NNW	4	bcdo	51	75	8	4000	CuNb	6	-	6	*
Plymouth (Cattewater)	1013·9	-2	NW	5	RPR+	53	68	8	4000	StCu	7	-	7	1
Portland Bill	1012·7	-4	W	5	bc+	53	65	7	?	St	3	ACu	5	-
Southampton (Calshot)	1010·8	-3	WNW	6	c	55	55	8	4000	StCu	8	—	8	0
Dungeness	1010·2	-4	WSW	5	bc	54	85	8	4000	Cu	6	-	6	*
Jersey	1017·2	+1	W	4	o/r	53	65	8	4000	StCu	10	-	10	*

STATIONS.	Observations at 1800 G.M.T. 25th: Barom. at M.S.L. m.b	Change in 3 Hours†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1010·0	+3	NE	7	o	45	85	7	5700	StCu	8	ASt	10	6
Stornoway	1016·7	+1	N	7	or$_{r_o}$	45	92	6	450	St	10	-	10	6
Wick	1008·9	+1	N	6	o	46	85	8	1500	CuNb	6	ASt	9	6
Castlebay	1018·4	+1	N	5	c-	44	75	8	2500	StCu	8	-	8	5
Nairn	1011·3	-	N	4	c/r	44	85	8	4000	CuNb	7	-	7	*
Aberdeen	1008·0	+2	NW'N	5	oRR	41	92	6	1500	Nb	10	-	10	0
Malin Head	1017·2	+1	NNW	7	c/r	45	92	8	5700	CuNb	6	CuCu	7	7
Renfrew	1011·1	+2	N	4	o	49	65	8	5700	StCu	10	-	10	*
Edinburgh (Inchkeith)	1009·3	+2	NNW	4	opr$_o$	49	65	8	-	CuNb	4	ACu	9	3
Leuchars	1008·5	+1	NNW	5	o	47	65	8	2500	StCu	10	-	10	*
Eskdalemuir	1009·4	+2	N	4	bc/r	44	75	8	2500	StCu	4	CSt	5	*
Tynemouth	1007·4	+1	N	3	c+	47	85	7	4000	Cu	8	-	8	2
Blacksod Point														
Donaghadee	1013·3	+1	NNE	5	b$_1$-	49	75	8	2500	Cu	2	-	2	5
Birr Castle	1017·3	-	NW	4	c+	50	65	8	4000	StCu	8	-	8	*
Holyhead	1011·8	0	N'W	6	b$_1$-	49	75	8	2500	Cu	3	-	3	6
Liverpool (Bidston)	1009·5	+1	WNW	4	b$_1$-	51	65	8	4000	Cu	2	ACu	3	4
Chester (Shotwick)	1009·9	0	WNW	5	c+	51	75	8	2500	StCu	9	-	9	*
Spurn Head	1007·8	+1	N'W	4	b$_1$/r	49	75	8	5700	Cu	2	-	2	2
Birmingham (Edgbaston)	1009·9	+1	N	5	bc-	47	75	6	5700	CuNb	3	ACu	4	*
Nottingham	1008·7	+1	W	2	b$_1$-	49	75	7	2500	Cu	1	Ci	2	*
Cranwell	1008·6	+2	W'N	4	b$_1$+	50	75	8	2500	Cu	3	-	3	*
Gorleston	1008·2	Ø	Calm	-	c	52	65	6	4000	Cu	7	-	7	0
Valencia (Cahirciveen)	1020·8	0	NNW	6	c-	49	65	8	2500	StCu	7	-	7	3
Roches Point	1017·0	0	NW	5	bc-	51	75	8	4000	CuNb	3	ACu	5	3
Pembroke (St. Ann's H.)	1014·3	-1	N	4	c+	49	75	8	2500	StCu	8	-	8	4
Ross-on-Wye	1010·2	+1	NW	2	bc/r	51	75	9	4000	CuNb	5	-	5	*
Benson	1009·1	-3	NW	3	bc	53	65	9	-	Cu	5	-	5	*
Andover	1009·5	-1	NW	4	bc/r	54	55	8	4000	StCu	5	-	5	*
S. Farnborough	1009·0	0	W'N	2	c)p	54	65	8	2500	Nb	8	-	8	*
London (Kew Obsy.)	1009·2	0	SW	2	bc	55	65	7	4000	StCu	4	ACu	6	*
Croydon	1009·2	+1	W	2	bc/r	51	75	6	4000	StCu	5	-	5	*
Clacton-on-Sea	1008·0	0	WNW	3	c	53	65	7	2500	Cu	5	ACu	7	1
Shoeburyness	1008·6	0	NW	1	o+	51	65	7	4000	Cu	8	ASt	10	-
Grain	1008·7	+1	WNW	4	o)p	51	75	8	4000	CuNb	4	ACu	10	*
Lympne	1008·7	-1	SW	2	c+	51	85	8	1500	Cu	8	-	8	*
Scilly (St. Mary's)	1016·9	-1	NW'N	6	bc-	53	75	8	4000	Cu	2	ACu	5	5
Falmouth (Pendennis)	1015·1	-1	NNW	4	bc/r	53	65	8	4000	Cu	4	-	4	0
Plymouth (Cattewater)	1013·1	0	NNW	4	bc+	53	65	8	4000	StCu	6	-	6	0
Portland Bill	1011·7	0	WNW	4	bcff	40	55	7	?	?	?	?	?	7
Southampton (Calshot)	1009·3	0	NNE	4	c)p	52	65	7	4000	CuNb	8	-	8	3
Dungeness	1008·5	-2	W	5	c	53	85	7	4000	CuNb	7	-	7	5
Jersey	1013·5	-3	W	4	b$_1$	53	75	8	4000	StCu	3	-	3	3

LONDON OBSERVATIONS.

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 HOURS ENDED 0900 G.M.T. 26th								YESTERDAY.		TO-DAY.
Kew } 24 hours ended 0700	ocoy	coybch	bcbm	*	*	27	Tr	-	4·5	*	*
Croydon }	corrh	obcb$_o$	bcbzo	*	*	29	1	-	4·0	*	*
Greenwich (Royal Obsy.)	obc	ocb	cbxcc	61	37	26	Tr	-	3·3	59	65
City (Bunhill Row)	*	*	*	*	*	*	*	-	3·0	*	*
Westminster (St. James' Pk.)	*	*	*	59	38	34	-	-	3·3	59	65
Regent's Pk. (Botanic Gdns.)	*	*	*	*	*	*	*	-	3·3	*	*
Camden Square	cobc	cobc	*	59	39	35	Tr	-	*	*	69
Kensington Palace	o c	co	*	59	37	31	-	-	*	66(18h)	60
Hampstead Observatory	*	*	*	57	36	25	0·3	-	3·4	*	64

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T. 25th

South Kensington

Max.	Time.	Min.	Time.
0·3	19-21h 23d		
0·3	7-12h 25d	<0·3	1-5h 24d

Kew Observatory

Max.	Time.	Min.	Time.
0·4	20h 24d	<0·3	0-5h 25d
0·3	7h. 25d		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 25th 21 h. 15 m. to 26th 02 h. 45 m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	05·30	05·30	100
3 Ursae Minoris	05·30	05·30	100

CODE FOR STATE OF GROUND.

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.

Time.	Type.	Range.	Strength.	Direc.
13h.	c	5	-	90
18h.	C,C$_1$	6	-	125
01h.	C	C	-	30
07h.	C	C	-	30

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

26th May, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.05	11.50	7.56
	3.44	11.50	7.57
Greenwich	3.57	11.57	7.37
	3.56	11.57	7.38
Wick	3.24	12.9	8.51
	3.26	12.9	8.53
Valencia	4.36	12.38	8.40
	4.35	12.38	8.41

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
jp precipitation within sight of station.
p passing showers r rain.
s snow, rs sleet. t thunder.
z unusual visibility. y dry air.
z dust haze: the turbid atmosphere of dry weather.

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; i = intermittent; - = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";

Capital letters indicate intense.
suffix o indicates slight
and repetition of letters continuity, thus:—
R = heavy rain.
rr = continuous moderate rain.
r$_o$r$_o$ = continuous light rain.

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

SEA DISTURBANCE.

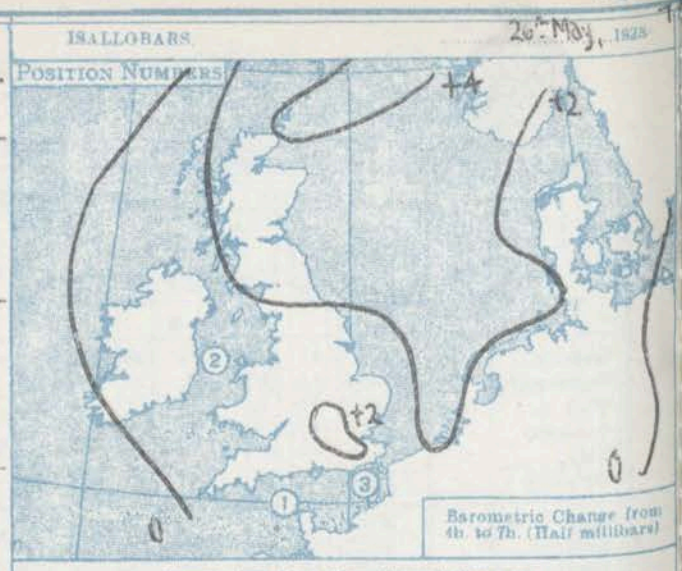
0=no swell } Calm or
1=mod. swell } slight
2=heavy swell } sea.
3=no swell } Moderate
4=mod. swell } sea.
5=heavy swell }
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

' For explanation see Introduction. * Information for these columns not usually received. † The barometric change is expressed in half millibars. § For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 25th	13h.-18h. 25th	18h. 25th to 1h. 26th	1h.-7h. 26th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS	RAINFALL† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 25th Hours.
Lerwick	oq	oq	omqr	obq	50	42	•	–	2	–	<2100	1·4
Stornoway	p	p	p	c	46	39	•	1	1	–	–	2·8
Wick	oprq	oq	oqtrrq	or.r.	47	43	•	2	5	<0800	<2100	•
Castlebay	opcop	opcpc	cobc	cbcq	48	41	•	1	0·2	–	–	6·8
Nairn	iRqc	iRqc	qiRq	qprcq	47	43	•	2	2	<0800	<2100	0·7
Aberdeen	copr	RRm	Rorr	Roorr	47	40	38	14	14	<0800	<2100	4·0
Malin Head	Rqbc	PRqv	coqv	coqp.	48	43	•	0·4	Trace	<0800	2400	10·0
Renfrew	bcPp	opco	oqo	ovo	55	42	37	0·5	–	0900	–	6·8
Edinburgh(Inchkeith)	p	p	p	p	51	43	40	03	0·1	–	–	4·1
Leuchars	op.	opco	oo	obcopr	53	42	37	0·6	0·2	12.30	–	4 0
Eskdalemuir	copRq	ophoPbc	bcc	bco	51	38	36	2	–	<0800	–	8·4
Tynemouth	our.	c	oqid.	oirq	52	41	39	0·5	2	0900	<2100	•
Blacksod Point ...	p						•					•
Donaghadee	cq	bcq	cq	bcq	51	44	•	–	–	–	–	•
Birr Castle	pr.co	pr.cq	co	co	54	38	35	0·5	–	0900	–	•
Holyhead	obcip	or.cb	oo	oo	52	45	43	0·3	Trace	<0800	2400	11·0
Liverpool (Bidston)...	p.obc	bcb		p	53	44	39	–	·3	–	2100	9·2
Chester (Shotwick) ...	oprco	ccq	opR	or.	55	39	35	1	2	<0800	2200	9·2
Spurn Head	cgprt	p	coq.c	c	53	41	•	1	Trace	0900	<2100	9·5
Birmingham (Edgbaston)	crp	bcp.		b-bc	55	38	32	1	–	1100	–	6·5
Nottingham	co	cp	bc	c	56	38	35	0·6	–	0900	–	7·7
Cranwell	bcbmp.	qprbc	bco3	b-bcm	56	36	31	Trace	Trace	1800	2200	9·8
Gorleston	orrc	c	bw	bwx	56	37	30	1	–	0900	–	2·4
Valencia (Cahirciveen)	opbc	oc	o	cp	53	42	39	0·3	1	–	2400	7·5
Roches Point	ohoc	cbc	bbcc	c	56	42	·x·	0·1	–	–	–	·x·
Pembroke(St.Ann's H.)	bcq	c	coqjb	coqpr	54	41	•	–	1	–	0230	6·2
Ross-on-Wye	bcpcpbc	bcvcPcp	cb	bwbbv	56	39	30	2	–	0900	–	8·9
Benson... ...	p.bc	pth.bc	cbcb	bw	58	33	27	2	–	–	–	•
Andover	oRc	coprbcy	bcb	b	56	32	30	0·2	–	<0800	–	6·6
S. Farnborough ...	cr.o	cwpu	pruc	bcm	61	42	30	2	1	0900	<2100	5·0
London (Kew Obsy.)...	ocoy	bcybcpbc	bcbb	bbxbmc	58	39	27	Trace	–	1530	–	4·5
Croydon	corrp	otccp.	bcb3m	bmxw	57	36	29	1	–	<0800	–	4·0
Clacton-on-Sea ...	opcpbc	Rcc	cbc	bcm	57	37	33	0·1	–	<0800	–	2·3
Shoeburyness	r.a	oc	o	obxb	59	35	27	0·2	–	0900	–	3·2
Grain	opr.o	op.co	ocbcb	bxbm	57	33	25	0·1	–	<0800	–	2·3
Lympne	or.	RprR	oPRrb	bwm	53	36	30	52	0·4	0900	<2100	2·2
Scilly (St. Mary's) ...	bccq	bcq	cqbc	cb.q	55	44	•	4	0·2	–	2200	8·3
Falmouth (Pendennis)	bcdbc	bcdbc	bcqpr	cqpr	54	43	•	0·2	1	1330	2400	9·5
Plymouth(Cattewater)	cp	pbc	bcp	bbcp	54	44	40	0·3	Trace	0800	0130	10·8
Portland Bill	b-bc	bc	b-bc	b-bc	57	45	•	–	–	(rain)	–	•
Southampton(Calshot)		pq	b-bc	bcwb	59	40	37	Trace	–	1100	–	6·7
Dungeness	c	c	b-bc	b-bc	56	37	•	–	–	–	–	•
Jersey	bcorr	obc	bcodp	oc	56	48	•	2	0·1	1100	2200	7·3



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	25th 1000	"Hibernia"	WNW	5	b	51	49	6
3	26th 0300	"Brighton"	N	4	b	51	55	8

GENERAL INFERENCE.

Pressure continues high to westward of Ireland and low over the North Sea while a new disturbance is indicated north of Iceland tending to move southeast. Cool, unsettled weather is likely to be maintained over the week-end, but some bright periods are probable, particularly in the South.

Forecasts for the 24 hours commencing 15 h. G.M.T. Saturday 26th May, 1923.

Districts.	Forecast	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind mainly N. or NW., light or moderate; considerable bright periods but local thundery showers of rain or hail; visibility good; cool, risk of slight frost at night.	Cool and unsettled generally.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind northerly to northwesterly, moderate, fresh or strong in places; variable cloud, local thundery showers of rain or hail; visibility good; cool, risk of slight frost locally at night.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland	Wind NE. or N., probably backing later; strong at first, moderating; occasional rain or showers, bright intervals; visibility good; cool.	
19. S.E. Ireland 20. S.W. Ireland	As 4 - 10.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0915 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.

SYNOPTIC CHART FOR MORNING OF Saturday, 26TH MAY, 1923.

Scale - 1:10,000,000

Nautical Miles

Statute Miles

Low Cloud.

TEMPERATURE
WEATHER.
SEA

All times are G.M.T. Add one hour for Met summer time.

HIGH

LOW

LOW

Bar. Falling

Barometer Steady

Barometer Rising Slowly

Bar. Rising Slowly.

Bar. Rising

"CELTIC" 10 51 Air 54 Sea Ocast

"CARMANIA" 21 55 Air 55 Sea Ocast

15 Cloudy.

Cloudy Slowly

41 28 Fine

15 Cloudy.

15 37 Ocast.

45 28 Cloudy.

43 21 Cloudy

42 10 Rain

45 35 Showers

47 10 Ocast.

43 2 Ocast.

47 28 Ocast.

45 10 Ocast.

45 21 Showers.

45 15 Cloudy.

43 10 Cloudy.

47 28 Ocast.

48 10 Cloudy.

50 5 Fair

52 2 Fine

1 Cloudy

2 Fine

2 48 Cloudy

46 15 Drizzle

46 10 Ocast.

48 5 Ocast.

48 2 Fine

43 5 Fine

50 2 Fine

48 5 Fine

52 2 Ocast

52 1 Rain

52 5 Ocast.

50 2 Rain

1020 1018 46 1 1016 Cloudy

1014

1012

1010

1008

1026

1024

1022

1020

1018

1016

1014

1012

1010

EXPLANATION

BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. Direction is shown by arrows flying with the wind. Force, on the scale 0–12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles

TEMPERATURE is given in °F

WEATHER SYMBOLS: ○ clear sky, ◔ sky ¼ clouded, ◑ sky ½ clouded, ◕ sky ¾ clouded, ● overcast sky, ● rain falling, ✱ snow, ✱ sleet, ▲ hail, ≡ fog, ≡° mist, ⊤ thunder, ⊼ thunderstorm

SEA DISTURBANCE: ~~~ Rough, ≈≈≈ High

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

0.	Dense fog. Objects not visible at	55	yards
1.	Rather thick fog " "	220	"
2.	Very bad " "	550	"
3.	Bad " "	1,100	"
4.	Very poor " "	1¼	miles.
5.	Poor " "	2½	"
6.	Moderate " "	6	"
7.	Good " "	12	"
8.	Very good " "	30	"
9.	Excellent. "	Beyond 30	"

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION.... Saturday, 26th May, ...1923. No. 146.

Observations at 0100 G.M.T. 26th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1012.0	+2	NE	6	or.c	44	92	6	4000	Nb	10	-	10	*
Stornoway	1018.2	?	NNE	5	PR	*	*	5	*	*	*	*	*	*
Wick	1010.5	0	N	6	or.c	44	92	8	2500	CuNb	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1017.4	+1	NNW	7	bc	45	92	8	4000	CuNb	6	-	6	*
Renfrew	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	1009.4	0	N	3	o/r	44	75	8	-	StCu	4	ACu	9	*
Leuchars	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	1007.9	0	N	3	od.	43	92	7	4000	Nb	10	-	10	*
Blacksod Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	1012.8	0	N	6	o	46	85	8	4000	StCu	9	-	9	*
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1008.3	0	W	5	bc	45	92	7	4000	StCu	4	-	4	*
Birmingham (Edgbaston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1010.3	+1	WNW	3	b	39	97	7	4000	StCu	1	-	1	*
Gorleston	1008.8	+1	WNW	1	b	40	92	7	-	-	0	-	0	*
Valencia (Cahirciveen)	1022.2	0	NNW	2	cd.	43	85	8	-	St	7	-	7	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1014.0	+1	N'W	5	ojp	46	75	8	2500	Nb	10	-	10	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	*	*	*	*	42	*	*	*	*	*	*	*	*	*
Croydon	1010.7	+1	SW	1	b	37	92	6	-	-	0	-	0	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1008.6	?	N	3	b/r	40	97	8	-	-	0	-	0	*
Scilly (St. Mary's)	1015.8	-1	N	4	c	48	85	8	4000	StCu	8	-	8	*
Falmouth (Pendennis)	1014.7	0	N	4	obc	45	85	7	4000	Nb	10	-	10	*
Plymouth (Cattewater)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1010.6	-2	NW	3	b	46	75	7	-	-	0	-	0	*
Southampton (Ca. shot)	1010.8	0	NWN	3	b	42	92	8	-	-	0	-	0	*
Dungeness	1009.2	0	N	3	b	43	97	7	-	-	0	aCu	2.	*
Jersey 7h } Guernsey 1h }														*

Observations at 0700 G.M.T. 26th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1015.4	+3	NE	6	c/r	45	92	7	4000	Nb	8	-	8	5
Stornoway	1019.5	+1	NNE	5	c	43	85	7	4000	Cu	7	-	7	4
Wick	1013.6	+4	N	6	or.r.	45	92	8	2500	Nb	10	-	10	6
Castlebay	1019.7	+1	N	5	bc	44	75	8	2500	Cu	5	-	5	6
Nairn	1014.3	.	N	7	c/r	44	92	8	1500	CuNb	8	-	8	.
Aberdeen	1010.4	+2	NNE	3	orr	42	97	7	1500	Nb	10	-	10	6.0
Malin Head	1018.1	+1	N	7	apk	45	92	8	5700	StCu	9	-	9	6
Renfrew	1013.3	+3	N	3	0	47	65	8	4000	StCu	9	-	9	.
Edinburgh (Inchkeith)	1011.0	+2	N	4	obr.	44	85	8	-	St	6	ASt	10	3
Leuchars	1011.0	+3	N	3	or	44	85	8	1500	St	10	-	10	.
Eskdalemuir	1011.5	+2	N'W	5	0	43	85	8	2500	StCu	9	-	9	.
Tynemouth	1008.9	+3	N	1	o/r	43	97	6	4000	St	10	-	10	0
Blacksod Point	1014.9	0	NE	5	bc-	46	75	8	2500	StCu	4	-	4	6
Donaghadee	1018.3	.	NW	2	bc-	44	85	8	4000	Cu	4	CiCu	6	.
Birr Castle	1012.9	0	N'E	6	0	47	75	8	2500	StCu	7	ACu	9	6
Holyhead	1011.5	0'	WNW	4	o/r	45	75	8	1500	St	10	-	10	5
Liverpool (Bidston)	1011.5	+1	NW	5	or.	46	85	8	1500	StCu	10	-	10	.
Chester (Shotwick)														
Spurn Head	1008.3	0	W'N	4	o+	45	85	7	1500	StCu	10	-	10	3
Birmingham (Edgbaston)	1011.1	+1	NNW	4	c	46	85	6	4000	Cu	7	-	7	.
Nottingham	1009.8	0	WNW	3	0	45	75	5	2500	StCu	7	ACu	9	.
Cranwell	1010.5	0	W	3	c+	43	85	6	4000	StCu	7	-	7	.
Gorleston	1010.1	0	WNW	2	b+	43	92	6	-	-	0	ASt	2	0
Valencia (Cahirciveen)	1021.3	0	N'W	5	cbs.	45	85	6	2500	StCu	8	-	8	4
Roches Point	1018.0	0	NNW	5	c.	44	85	8	4000	CuNb	7	-	7	8
Pembroke (St. Ann's H.)	1014.1	0	N'N	4	bc/b	45	85	7	1500	Nb	4	-	4	4
Ross-on-Wye	1011.8	+1	NNW	1	bv	47	75	9	5700	Cu	1	-	1	.
Benson	1011.2	+2	-	0	b	43	92	6	2500	Cu	2	-	2	.
Andover	1011.7	+1	N'W	3	b	45	85	7	4000	Cu	1	-	1	.
S. Farnborough	1011.1	+2	NW	2	bc+	42	97	6	-	-	0	ACu	4	.
London (Kew Obsy.)	1011.6	+2	-	0	c	43	85	6	-	-	0	ACu	7	.
Croydon	1011.1	+1	W	1	b	43	85	6	-	-	0	ACu	1	.
Clacton-on-Sea	1010.1	+1	NNW	3	mbc-	41	92	5	-	-	0	ACu	5	0
Shoeburyness	1010.8	+1	N	2	b	44	85	6	-	-	0	-	0	.
Grain	1011.0	+2	NW	2	b	45	85	6	-	-	0	-	0	0
Lympne	1010.4	+1	N	3	b	45	85	6	-	-	0	-	0	.
Scilly (St. Mary's)	1015.3	0	N'W	6	0	47	75	8	4000	StCu	9	-	9	5
Falmouth (Pendennis)	1014.5	0	N	4	obr.	45	85	7	4000	CuNb	9	-	9	0
Plymouth (Cattewater)	1012.8	0	NNE	3	c/b	45	85	8	2500	StCu	8	-	8	0
Portland Bill	1010.9	0	NNW	4	0-	48	85	7	-?	-?	??	?	10	?0
Southampton (Ca. shot)	1011.4	+1	N'W	3	b-	45	75	7	5700	StCu	1	-	1	0
Dungeness	1010.2	+2	NE	1	b	46	75	7	-	-	0	-	0	2
Jersey 7h } Guernsey 1h }	1011.5	0	NW	3	c/r	48	75	8	4000	StCu	8	-	8	3

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 25th May

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 24th °F.	Temperature. Max. Day. 25th °F.	Rainfall.† Night 17h.-9h. 24-25th mm.	Rainfall.† Day 9h.-17h. 25th mm.	Sunshine. Sunrise to 17h. 25th hr.	Sunshine. Sunrise to Sunset. 24th hr.
Montrose	*	*	40	50	1	1	2.7	4.6
Llandudno	bc	bc	47	52	1	-	9.5	8.3
Colwyn Bay	bc	bc	46	53	-	-	7.5	8.3
Rhyl	bc	bc	46	52	1	-	9.2	9.3
Southport	bcb	bc.bc	46	53	1	-	9.5	10.2
Blackpool	cb	cc	46	54	2	-	8.5	8.5
Ilkley	bcipc	cohfc	42	54	5	1	6.4	10.5
Harrogate	copfh	cprb	41	50	2	1	7.3	9.8
Skegness	b	cc	40	55	-	1	6.9	11.4
Aberystwyth	roc	b	47	51	0.3	-	4.0	12.7
Bath	cbcop	pcbcb	42	58	1	1	6.5	9.4
Leamington Spa	cp	cbc	40	56	1	1	7.0	8.3
Lowestoft	o.op	ocoprh	41	57	0.1	1	2.8	4.6
Felixstowe	om	pc	43	57	0.4	1	2.5	11.9
Southend	orogo	bco	41	58	0.1	-	2.8	12.6

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 24th °F.	Temperature. Max. Day. 25th °F.	Rainfall.† Night 17h.-9h. 24-25th mm.	Rainfall.† Day 9h.-17h. 25th mm.	Sunshine. Sunrise to 17h. 25th hr.	Sunshine. Sunrise to Sunset. 24th hr.
Ilfracombe	oco	opcbcopo	48	54	1	-	7.1	14.0
Bude	cbcbc	bcbcc	43	60	-	-	9.7	13.5
Penzance	pbc	pbc	45	57	1	2	*	*
Paignton	bcy	bcopbcp	41	58	Trace	-	9.3	11.5
Torquay	b	b	43	60	-	-	9.9	10.9
Weymouth	bc	bc	41	60	-	-	7.3	12.6
Bournemouth	cbc	bb	39	58	-	-	7.0	11.1
Portsmouth (S'thsea)	r.oc	bcc	43	59	Trace	-	4.5	11.7
Worthing	o	bc	40	62	-	-	4.4	12.3
Brighton	or	oc	43	59	-	0.4	4.0	10.7
Eastbourne	oc	bcobc	44	57	-	-	6.3	9.8
Hastings	oi.d.o	co P bc	42	56	-	1	5.3	8.9
Folkestone	p	P	46	57	-	3	3.2	11.3
Tunbridge Wells	opc	orcbc	37	59	Trace	2	4.0	11.4
Ramsgate	bcbc	bcro	39	54	-	3	1.5	11.3
Margate	o	orc	42	56	-	0.3	1.5	10.3
Deal	ocp	cc	41	56	-	1	3.4	12.1

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm § For code see page 5. ‡ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION. No. B. 22466 Sunday, 27th May 1923.

Observations at 1300 G.M.T. 26th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	State of Ground.
Lerwick	1017.1	+2	NE	5	c-	48	85	7	4000	Cu	3	ACu	7	•
Stornoway	1021.1	+2	N	5	o[b]c°	46	85	6	450	St	10	-	10	•
Wick	1015.8	+3	N	6	o/r	47	92	8	4000	CuNb	10	-	10	•
Castlebay	1021.5	+1	N	5	c	47	75	8	1500	St	8	-	8	•
Nairn	*	*	*	*	*	*	*	*						•
Aberdeen	1013.7	+2	NNE	4	or	46	92	7	1500	Nb	10	-	10	
Malin Head	1019.4	+1	N	6	bc	48	85	8	4000	Cu	5	-	5	•
Renfrew	1015.1	+2	N	4	o[b]c°	51	65	8	2500	Nb	10	-	10	0
Edinburgh (Inchkeith)	1013.9	+4	N	4	o[b]c	45	85	8	-	Nb	10	-	10	•
Leuchars	1014.0	+5	N	3	o/r	47	75	8	4000	StCu	10	-	10	1
Eskdalemuir														
Tynemouth	1011.5	+3	N	3	bc	47	92	6	4000	CuNb	6	-	6	•
Blacksod Point	1022.6	+2	N	6	c	48	75	8	-	CuNb	8	-	8	•
Donaghadee	1016.4	+1	N	4	bc	51	75	8	1500	StCu	5	-	5	•
Birr Castle	1015	*	N	3	o+	50	65	8	2500	StCu	9	-	9	•
Holyhead	1014.4	+1	N'E	5	c+	51	75	8	4000	StCu	7	-	7	0
Liverpool (Bidston)	1012.6	+1	NW	2	b-	51	65	8	2500	StCu	9	-	9	•
Chester (Shotwick)	1012.6	+2	NW	4	o-	51	65	8	2500	StCu	9	-	9	5
Spurn Head	1011.7	+3	NNE	4	bc+	53	65	8	2500	CuNb	6	-	6	•
Birmingham (Edgbaston)	1011.8	+1	N	4	c	52	55	6	4000	Cu	6	ACu	8	-
Nottingham	1011.6	+1	WNW	2	o	50	75	7	1500	Nb	10	-	10	•
Cranwell	1011.8	+2	NW'N	2	o	49	75	8	2500	StCu	9	-	9	•
Gorleston	1011.6	+2	NW	2	o+	53	65	6	5700	StCu	9	-	9	•
Valencia (Cahirciveen)	1021.6	0	N'E	5	c	49	65	8	2500	StCu	8	-	8	0
Roches Point	1018.0	0	NNW	5	c	51	65	8	4000	CuNb	7	-	7	•
Pembroke (St. Ann's H.)	1014.4	+1	N'W	5	c-	51	75	8	4000	Cu	7	-	7	•
Ross-on-Wye	1012.0	+1	N'E	2	bc-	53	63	8	4000	Cu	4	ACu	5	0
Benson	1012.0	0	NNW	3	c+	52	68	7	-	StCu	7	-	7	0
Andover	1011.8	+1	N	3	o+	53	65	8	4000	Cu	9	-	9	0
S. Farnborough	1011.0	0	NW	3	c+	53	55	7	4000	Cu	8	-	8	1
London (Kew Obsy.)	1011.3	0	WNW	2	c	55	55	7	4000	StCu	7	-	7	0
Croydon	1011.3	0	NW	3	c+	55	55	6	4000	Cu	7	-	7	0
Cleeton-on-Sea	*	*	*	*	bc+	53	75	8	2500	StCu	5	ASt	6	•
Shoeburyness	1011.3	+1	SE	1	c+	53	75	8	2500	Cu	5	-	5	0
Grain	1011.2	0	NE	2		54	65	8	4000	Cu	7	-	7	0
Lympne	1011.1	+1	SE	2	0	52	65	6	4000	StCu	9	-	9	1
Scilly (St. Mary's)	1015.4	0	N'E	5	cPR-	46	92	7	4000	CuNb	7	-	7	•
Falmouth (Pendennis)	1014.6	0	N	3	c[b]r°	51	75	8	4000	Cu	7	-	7	•
Plymouth (Cattewater)	1013.3	+1	-	0	o++	45	92	8	1500	Nb	10	-	10	2
Portland Bill	1012.8	-4	NNW	3	o+	50	85	7	?	?	?	?	?	•
Southampton (Calshot)	1011.4	0	N	3	bc	57	44	8	4000	Cu	6	-	6	0
Dungeness	1011.1	+1	SE	1	bc	54	65	7	4000	Cu	4	-	4	•
Jersey	1011.8	0	NW	3	c[b]r	53	65	8	4000	StCu	8	-	8	•

Observations at 1300 G.M.T. 26th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	State of Ground.
Lerwick	1019.5	+5	NE	4	c[b]r	48	85	7	4000	CuNb	8	-	8	3
Stornoway	1022.6	+2	NNE	5	o[b]r°	45	92	6	450	St	10	-	10	4
Wick	1017.8	+3	N	4	o/r	46	97	8	4000	CuNb	5	ACu	10	6
Castlebay	1022.1	0	NNW	5	o	45	85	8	1500	St	10	-	10	•
Nairn	1018.8	*	NE	4	c/r	47	92	8	1500	CuNb	8	-	8	
Aberdeen	1016.1	+3	N	3	or-	44	97	7	1500	Nb	10	-	10	3
Malin Head	1019.6	0	N	6	bc	47	86	8	4000	Cu	4	-	4	6
Renfrew	1016.2	+1	N	2	bc/r	51	65	8	4000	StCu	5	-	5	•
Edinburgh (Inchkeith)	1015.4	+2	ENE	3	or/r	44	97	7	-	Nb	5	ASt	10	2
Leuchars	1015.6	+3	NNE	3	o/r	46	92	7	1500	StCu	8	ASt	10	•
Eskdalemuir	1015.5	+2	NNE	4	o/r	44	85	8	2500	StCu	6	CiSt	9	•
Tynemouth	1013.6	+2	N	2	o+	46	92	6	4000	St	6	ACu	9	0
Blacksod Point	1022.7	+1	N	7	o[b]c°	47	75	8	-	Nb	10	-	10	7
Donaghadee	1017.2	+1	N	3	o/r°	49	85	8	800	St	10	-	10	4
Birr Castle	1019.1	*	NNW	3	o°	49	65	7	2500	StCu	9	-	9	•
Holyhead	1015.1	+1	N	3	bc	49	75	8	4000	StCu	5	-	5	4
Liverpool (Bidston)	1013.7	+1	NNW	3	bc+	50	75	7	2500	Cu	7	-	7	•
Chester (Shotwick)	1013.4	+1	NNE	3	c-	48	75	8	2500	StCu	7	-	7	•
Spurn Head	1013.2	+2	NNE	3	b-	50	75	8	5700	Cu	1	-	1	2
Birmingham (Edgbaston)	1013.8	+1	N	4	c	49	65	6	4000	StCu	7	-	7	•
Nottingham	1013.6	+1	N	2	c	49	75	6	1500	StCu	8	-	8	•
Cranwell	1013.1	+2	E	2	bc[jp]	50	75	8	2500	CuNb	5	-	5	•
Gorleston	1012.4	+1	NNE	1	bc	50	75	6	5700	StCu	4	-	4	0
Valencia (Cahirciveen)	1021.2	0	N'E	5	c[b]r°	49	75	8	2500	StCu	7	-	7	4
Roches Point	1018.2	0	NNW	5	b-	51	75	8	4000	CuNb	3	-	3	3
Pembroke (St. Ann's H.)	1014.3	0	N'W	5	bc	50	75	8	4000	Cu	4	-	4	•
Ross-on-Wye	1013.7	0	NSW	5-3	c[jp]	50	68	7	4000	Cu	4	-	4	•
Benson	1012.0	0	NNE	3	bc	54	68	7	-	Cu	5	-	5	•
Andover	1011.7	0	NE'N	3	bc	52	63	7	5700	StCu	1	Ci	6	•
S. Farnborough	1011.8	+1	NW	3	bc	53	65	6	4000	Cu	3	CiCu	6	•
London (Kew Obsy.)	1011.7	+2	N	3	b	54	55	7	-	-	0	ACu	2	•
Croydon	1011.7	+1	NE'N	3	bc	52	65	6	4000	Cu	4	-	4	•
Cleeton-on-Sea	1011.9	+1	ESE	3	c	51	75	7	2500	Cu	8	-	8	0
Shoeburyness	1011.9	+1	E	3	c+	52	75	8	2500	StCu	5	ASt	8	•
Grain	1011.8	+1	ENE	3	bc	53	65	7	4000	StCu	4	-	4	0
Lympne	1011.8	+2	E'S	2	c-	43	75	6	4000	StCu	8	-	8	•
Scilly (St. Mary's)	1015.4	0	N	5	bc	49	75	8	4000	Cu	8	-	8	3
Falmouth (Pendennis)	1014.0	0	N	3	c[b]r°	50	75	8	2500	Cu	8	-	8	0
Plymouth (Cattewater)	1013.1	0	N	3-4	c[b]r°	47	85	8	1500	St	6	-	6	0
Portland Bill	1012.8	+3	NNW	4	c[b]r°	53	85	7	?	?	?	?	?	3
Southampton (Calshot)	1011.4	0	NE	3	c[b]r°	51	45	7	5700	CuNb	3	ACu	4	0
Dungeness	1011.3	0	E'N	3	c[jb]	52	75	7	5700	StCu	7	-	7	3
Jersey	1012.5	0	N	3	c	53	55	8	4000	StCu	8	-	8	3

LONDON OBSERVATIONS.

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 HOURS ENDED 0900 G.M.T. 27th								YESTERDAY.		TO-DAY.
Kew } 24 hours ended 0700	cmwcy	c3y	comcr	•	•	40	-	1	9·5	•	•
Croydon } 24 hours ended 0700	bm3cy	obcy3	pco3m	•	•	37	-	-	7·1	•	•
Greenwich (Royal Obsy.)	oc	c	bco	59	43	36	-	-	4·8	59	70
City (Bunhill Row)	•	•	•	•	•	•	•	•	7·4	•	•
Westminster (St. James' Pk.)	•	•	•						8·3		
Regent's Pk. (Botanic Gdns.)	•	•	•	•	•	•	•	•	8·3	•	•
Camden Square			•						•	•	
Kensington Palace	cbc	bc	•	58	43	42	-	4	•	60 (18h)	77
Hampstead Observatory	•	•	•						7·8	•	

ATMOSPHERIC POLLUTION.
Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T. 26th

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 26th ..... h. ..... m. to 27th ..... h. ..... m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris			
δ Ursae Minoris			

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.

Time.	Type.	No. per ½ sec.	Stren.	Direc.
13h.	C	6	-	150
18h.	C_C	6	-	5
01h.	C_C	7	-	145
07h.	C_C	6	-	135

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

27th to 28th May, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.44	11.50	7.57
	3.42	11.50	7.58
Greenwich	3.56	11.57	7.58
	3.54	11.57	8.0
Wick	3.26	12.0	8.33
	3.24	12.0	8.36
Valencia	4.35	12.36	8.41
	4.34	12.38	8.42

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
jp precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

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; i = intermittent; - = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail".
Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
rr = continuous moderate rain.
$r_o r_o$ = continuous light rain.

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

SEA DISTURBANCE.

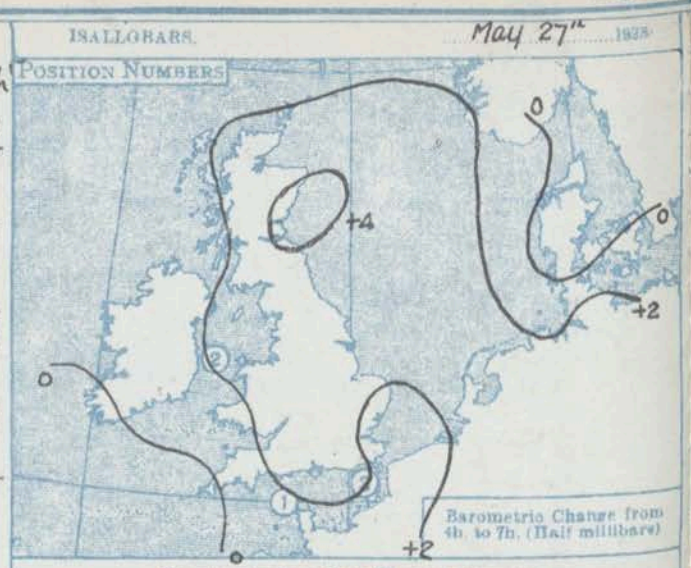
0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

* For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 26th	13h.-18h. 26th	18h. 26th to 1h. 27th	1h.-7h. 27th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS	RAINFALL† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 26th Hours.
Lerwick	cq	bc	b	b	50	44	•	–	–	–	–	9·4
Stornoway	p	p	c	c	47	42	•	1	0·2	–	–	3·9
Wick	oq/p	oir.q	obr.	o	49	46	•	0·6	0·3	<0800	<2100	•
Castlebay	bqoro	oco	obbco	obc	48	43	•	–	0·2	–	–	8·5
Nairn	iRcq	Rqc	pcf	cq pr	49	45	•	5	4	<0800	<2100	0·1
Aberdeen	prhpr	oprrr	orr	prcc	48	43	42	6	6	<0800	<2100	0·1
Malin Head	cobcq	bcqN	cb.bc	coirv	48	44	•	–	1	–	2200	8·9
Renfrew	oob	oprc	co	corr	52	44	42	1	0·3	11.00	06.30	1·8
Edinburgh(Inchkeith)	p	b	ir	r-d	48	43	41	2	2	<0800	<2100	2·1
Leuchars	oir pr	oPR br	opr.R	opr	51	43	39	2	4	<0800	<2100	2·4
Eskdalemuir		obcbcbo	od.bo	od.mo	50	39	36	0·3	1	<0800	<2100	6·5
Tynemouth	cmq	crq	air.q	c	48	40	39	–	3–	–	<2100	•
Blacksod Point	c	0					•	0.4	–	–		•
Donaghadee	bcq	bc	bcp	omr	52	45	•	Trace	2	17.30	<2100	•
Birr Castle	co	co		co	51	40	35	–	–	–	–	•
Holyhead	bcbc	cbb	cobcc	co	51	46	45	Trace	–	11·00	–	7·9
Liverpool (Bidston)	obcb	bc		p	54	43	40	–	1	–	<2100	8·4
Chester (Shotwick)	occo	ocbcorr	cobco	oom	55	43	40	Trace	–	<0800	–	4·6
Spurn Head	ocbc	bbc	c	c	53	43		–	–	–	–	9·0
Birmingham (Edgbaston)	co	c	com	o	55	40	35	–	–	–	–	5·5
Nottingham	cq	cpo	cbc	c	54	41	36	Trace	–	15·30	–	2·2
Cranwell	opr	ob/bc	c	bcco	53	36	30	Trace	Trace	<0800	–	5·7
Gorleston	bcc	cbc	b	cov	54	40	34	–	–	–	–	7·1
Valencia (Cahirciveen)	cp	bccp	o	opc	52	44	41	0.5	1	<0800	–	9·5
Roches Point	c	cp	bcbb	bo	55	43	×	Trace	–	–	–	×
Pembroke (St.Ann's H.)	oprcq	c	cprrl	oprrl	52	42	•	4	1	<0800	22.00	9·3
Ross-on-Wye	bcvp.c	copc	p.cobnc	oco	55	42	35	1	0·2	14.30	<2100	8·1
Benson	bcc	bc	bbc	b	61	37	30	–	–	–	–	•
Andover	bbcco	oobc	bcc	cbc	58	40	35	–	–	–	–	10·5
S. Farnborough	c	obc	cb	bcbc	60	43	33	–	1	–	03.30	9·8
London (Kew Obsy.)	cmnoq	cqy	by3com	omorcm	56	43	40	–	1	–	0330	9·5
Croydon	bm3oy	obcy3	bc03	omw	56	43	37	–	–	–	–	7·1
Clacton-on-Sea	bc	bcc	cbc	bcco	54	41	38	–	–	–	–	7·6
Shoeburyness	bbc	c	c	o	56	40	35	–	Trace	–	–	7·5
Grain	bmbc	cbcbc	bcco	oo	57	44	43	–	–	–	–	11·5
Lympne	bo3	o3	cbcc	cov	54	40	32	–	Trace	–	–	6·3
Scilly (St. Mary's)	cpra	cpra	bcoqp	cqp	52	43	•	5	2	0900	2200	7·6
Falmouth (Pendennis)	bcpr	bcpr	bcpr	bcco	53	45	•	0.5	1	14.30	<2100	5·8
Plymouth (Cattewater)	opbrr	opbrrcl	bcc	bcbc	61	43	–	14	–	<0800	–	4·3
Portland Bill	c	bbcpr	cp	bc			•	–	?	–	?	•
Southampton (Calshot)	boy	cboy	bcbm	m	59	43	41	–	–	–	–	12·8
Dungeness	bbc	c	b-bc	c	56	44	•	–	–	–	–	•
Jersey	corro	oco	ocb	b	53	45	•	2	–	0900	–	4·0



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	26th 1000	Hibernia	?	?	bc	47	48	8
1	26th 1200	?	NNW	3	pr.	57	52	7
3	27th 0200	Arundel	ENE	2	b	50	52	7

GENERAL INFERENCE.

Pressure is high over Iceland and low to the southeast of the British Isles. Winds will be from between N. and E. generally with cool weather and local thundery showers of rain or hail. Considerable fair periods are probable, however, in most places.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday, 27th May, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	All districts. Winds between N. and E., light or moderate, fresh locally; variable sky, rain or hail showers in places, risk of local thunder; visibility good; cool, local ground frost at night	Continuing cool.

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0855 GMT G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.

SYNOPTIC CHART FOR MORNING OF Sunday, 27th May, 1923

Scale - 1:10,000,000

Nautical Miles

Statute Miles

LOW 1028 — 2 45 Fine — 2 45 Fog — Barometer — 5 39 Mist — 21 43 Fine Rising — Slowly — HIGH

21 LOW Barometer 39 Rain Falling 1012 — 1014 — 15 46 Fine 1016

0 48 Fair — 21 46 Fine — 0 45 Fine

10 46 Fine — 2 48 Fine Barometer — 50 10 O'cast

Barometer — 21 46 Cloudy — 10 49 O'cast — Steady

21 47 Cloudy — 5 45 Rain — 5 46 Cloudy — Rising — "Foreign Ship" 50 Sea 48 — 10 Fair — 5 50 O'cast

44 5 O'cast — 21 48 O'cast — 45 10 O'cast — 52 2 O'cast — 52 5 O'cast — LOW

15 46 O'cast — 10 46 Showers — 5 45 Cloudy — 15 47 O'cast

Barometer — 1030 — 1012 — 1014

"Aquitania" 53 10 Fair Sea 54 1028 — "Orduña" 5 51 Sea 54 Showers 1026 — 1024 — "Orbita" 21 51 Sea 54 Showers 1022

15 47 Showers — Slowly — 10 51 Fine 1012 — 2 50 Mist — 50 2 Fine

2 45 Cloudy — LOW Barometer — 2 46 Fair — 2 50 Fine — 48 2 Fair

Rising — 2 48 Cloudy — 2 48 Rain — Slowly

50 Cloudy 2 — 1018 — 1016 — 2 46 Cloudy — 0 61 Fine

Low Cloud.

TEMPERATURE WEATHER. SEA.

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

EXPLANATION

BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. Direction is shown by arrows flying with the wind. Force, on the scale 0—12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles

TEMPERATURE is given in °F

WEATHER SYMBOLS: ○ clear sky, ◔ sky ¼ clouded; ◑ sky ½ clouded; ◕ sky ¾ clouded; ● overcast sky; ● rain falling; ✱ snow; ✱ sleet; ▲ hail; ≡ fog; ≡° mist; T thunder thunderstorm.

SEA DISTURBANCE: ~~~ Rough, ≈≈≈ High.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

0.	Dense fog. Objects not visible at	55 yards
1.	Rather thick fog " "	220 "
2.	Very bad " "	550 "
3.	Bad " "	1,100 "
4.	Very poor " "	1¼ miles.
5.	Poor " "	2½ "
6.	Moderate " "	6½ "
7.	Good " "	12½ "
8.	Very good " "	31 "
9.	Excellent. "	beyond 31 "

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4. BRITISH SECTION.....Sunday 27th May.....1923. No. 147.

Observations at 0100 G.M.T. 27th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility‡ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1022.7	+2	NE	4	b	46	92	8	-	-	0	ASt	2	*
Stornoway	1023.4	-	NE	4	0	*	*	5	*	*	*	*	*	*
Wick	1020.2	+2	NNE	4	o/r	46	97	8	2500	CuN	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1020.6	0	N	6	bc	46	97	8	4000	Cu	4	-	4	*
Renfrew	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	1016.9	+1	NE	4	or	43	92	8	-	Nb	10	-	10	*
Leuchars	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	1015.5	+1	N	3	0	45	97	6	4000	St	10	-	10	*
Blacksod Point ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	1016.0	0	NE'N	5	c	48	85	8	2500	StCu	4	ACu	7	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1017.2	0	NNW	3	c	45	97	7	4000	StCu	7	-	7	*
Birmingham (Edgbaston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1018.9	+1	-	0	bc	36	97	7	4000	StCu	1	CiCu	4	*
Gorleston	1014.0	0	N'E	2	b	45	75	7	-	-	0	CiSt	2	*
Valencia (Cahirciveen)	1021.4	0	NNW	3	c	44	97	7	-	St	8	-	8	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1013.0	-1	N	4	c/p	45	85	8	1500	CuN	7	-	7	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson														
Andover		*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...		*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...		*	*	*	*	48		*	*	*	*	*	*	*
Croydon	1013.2	0	-	0	0	43	97	6	4000	StCu	10	-	10	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1012.4	0	NE'N	3	c	44	92	7	2500	StCu	5	ACu	7	*
Scilly (St. Mary's) ...	1016.2	0	N'E	5	c	48	85	8	4000	CuNb	8	-	8	*
Falmouth (Pendennis)	1014.1	0	N	4	bc/p	47	85	7	4000	Cu	6	-	6	*
Plymouth (Cattewater)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1013.6	?	NNW	3	0	47	85	7	-?	-?	-?	-?	10	*
Southampton (Calshot)	1013.1	+1	NE	2	mb	47	85	6	-	-	0	CiCu	2	*
Dungeness	1012.3	+1	ENE	3	bc	48	85	8	-	-	0	CiSt	4	*
Jersey 7h }														
Guernsey 1h }														

Observations at 0700 G.M.T. 27th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility‡ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1024.5	+1	NE	3	b	46	92	8	4000	Cu	2	ASt	3	2
Stornoway	1025.0	+2	NE	5	c	46	92	7	800	Nb	8	-	8	4
Wick	1023.4	+3	NNE	3	0	46	92	8	1500	St	10	-	10	3
Castlebay	1023.3	+1	NNE	4	bc	48	85	8	2500	St	5	-	5	4
Nairn	1022.8	-	NE'E	4	c/r	46	92	7	1500	St	8	-	8	*
Aberdeen	1021.4	+4	NE	3	0-	48	92	7	1500	St	9	-	9	0
Malin Head	1021.3	+1	NNE	5	c/r	47	97	8	4000	Cu	8	-	8	4
Renfrew	1020.5	+3	NNE	2	o/r	45	92	7	1500	Nb	10	-	10	*
Edinburgh (Inchkeith)	1019.1	+3	NE	4	o/r	45	92	7	-	StCu	10	-	10	3
Leuchars	1020.0	+4	NNE	3	o/r	47	92	7	2500	StCu	10	-	10	*
Eskdalemuir	1018.8	+3	NE	4	0	45	85	7	2500	StCu	10	-	10	*
Tynemouth	1018.1	+2	NE	2	c	46	92	7	5700	StCu	10	-	10	1
Blacksod Point ...	1018.8	+1	NNE	4	bc/r	46	85	4	1500	Cu	5	-	5	5
Donaghadee	1019.3	*	NNE	2	0	44	92	6	2500	StCu	9	-	9	*
Birr Castle	1017.2	+2	NNE	3	0	48	85	8	4000	StCu	10	-	10	4
Holyhead	1016.3	+2	SE	2	bc/r	45	85	7	4000	Cu	3	ASt	6	3
Liverpool (Bidston) ...	1016.4	+2	N	2	0	47	85	6	2500	StCu	10	-	10	*
Chester (Shotwick) ...														
Spurn Head	1016.3	+2	E	3	c	48	85	7	4000	Cu	8	-	8	2
Birmingham (Edgbaston)	1016.1	+2	NE	2	0	44	85	5	1500	St	10	-	10	*
Nottingham	1016.0	+2	NNE	3	0	45	92	7	1500	StCu	10	-	10	*
Cranwell	1016.6	+2	N	1	0	44	92	6	2500	StCu	10	-	10	*
Gorleston	1014.7	+1	N'E	4	0+	47	75	8	4000	Nb	5	CiSt	10	0
Valencia (Cahirciveen)	1021.5	0	N	4	0	46	92	8	2500	StCu	9	-	9	1
Roches Point	1018.8	0	NW	4	0	46	92	8	4000	CuNb	10	-	10	0
Pembroke (St. Ann's H.)	1015.9	+1	NE	3	c/p	46	85	7	2500	CuN	8	-	8	3
Ross-on-Wye	1015.7	+2	E'N	1	0	47	75	7	4000	Cu	1	ACu	9	*
Benson	1015.2	+3	NNE	2	b	46	85	8	2500	Cu	2	-	2	*
Andover	1019.6	+2	NEN	4	c+	46	75	9	5700	StCu	7	-	7	*
S. Farnborough ...	1014.4	+2	NE'E	3	bc	47	75	7	4000	Cu	2	ACu	5	*
London (Kew Obsy.) ...	1015.0	+2	NE	2	c	45	85	6	1500	Cu	5	Ci	7	*
Croydon	1014.5	+2	NE'N	2	0	45	85	6	1500	StCu	10	-	10	*
Clacton-on-Sea ...	1012.1	+1	NNW	3	0+	42	92	7	-	-	0	ASt	10	1
Shoeburyness	1014.3	+1	NE	2	0-	45	85	7	4000	St	6	ASt	10	*
Grain	1014.3	+2	NNE	4	0	46	85	8	4000	Cu	4	ASt	10	0
Lympne	1013.2	+2	NNE	3	0	46	85	7	4000	St	4	ASt	10	*
Scilly (St. Mary's) ...	1015.2	-1	NNW	5	cbp	47	85	8	4000	Cu	8	-	8	5
Falmouth (Pendennis)	1015.7	0	N	2	0+	46	85	8	4000	StCu	9	-	9	0
Plymouth (Cattewater)	1014.1	0	NE	2	0-	47	85	7	2500	StCu	9	-	9	0
Portland Bill	1013.1	+3	N'E	3	?	48	75	5	?	?	?	-	?	5
Southampton (Calshot)	1014.0	+2	NE	4	mmo	47	85	6	4000	StCu	9	-	9	0
Dungeness	1013.0	+2	ENE	3	0+	49	75	7	-	-	0	ASt	9	3
Jersey 7h }	1012.0	0	NE	3	b	51	85	8	-	-	0	ACu	2	2
Guernsey 1h }														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR... 26th May

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 25th. °F.	Temperature. Max. Day. 26th. °F.	Rainfall.† Night 17h.-9h. 25th.-26th. mm.	Rainfall.† Day 9h.-17h. 26th. mm.	Sunshine. Sunrise to 17h. 26th. hr.	Sunshine. Sunrise to Sunset. 25th. hr.
Montrose	-	-	41	49	1	3	4.6	3.6
Llandudno	c/c	cbc	45	53	0.1	-	2.2	10.8
Colwyn Bay ...	bc	bc	45	54	2	-	*	7.5
Rhyl	bcbc	cbc	46	53	0.3	-	4.1	9.7
Southport	bcc	cbcbc	43	54	-	-	6.3	10.2
Blackpool	cb	cob	42	55	-	as	7.2	9.1
Ilkley	bb	cobc	38	54	-	3	4.3	7.2
Harrogate	oc	c	38	52	1	-	4.6	8.5
Skegness	cbo	ob	36	50	-	-	7.1	8.6
Aberystwyth ...	rcb	bb	45	52	0.5	3	5.0	5.0
Bath	bbcc	bcrrb	37	58	-	0.5	7.1	7.3
Leamington Spa ...	c	bccb	34	56	-	-	4.8	8.6
Lowestoft	bcbbc	cbcb	37	57	0.2	-	3.5	3.4
Felixstowe	b	bcb	37	57	-	-	3.1	2.5
Southend	bc	cb	36	59	-	-	7.0	2.8
Ilfracombe	bcbc	bccor	45	54	-	3	4.7	9.1
Bude	b	bcbcc	45	53	2	-	3.2	10.6
Penzance	c/bc	c/bbc	43	54	5	3	*	*
Paignton	bc	orbbc	44	57	-	0.5	5.9	11.2
Torquay	b	b	44	58	-	0.8	7.8	11.9
Weymouth	c	cbc	42	61	-	0.5	6.7	9.8
Bournemouth ...	bbbc	c	39	60	-	-	9.0	8.8
Portsmouth (S'thsea)	b	bccb	40	59	1	Trace	8.9	5.4
Worthing	bc	cod	41	55	-	-	6.0	4.4
Brighton	bbbc	cbcco	41	59	0.4	3	6.2	4.6
Eastbourne	bbc	bcbcb	41	56	-	-	5.9	7.2
Hastings	bc	bcohro	42	56	0.3	0.8	3.2	5.8
Folkestone	bc	bc	40	56	2	-	7.4	5.1
Tunbridge Wells ...	bbc	bccob	34	57	-	Trace	6.3	4.4
Ramsgate	bbcb	b	40	54	0.6	-	10.1	1.5
Margate	b	b	43	54	-	-	11.0	1.7
Deal	cbc	bbb	33	56	5	-	11.4	3.6

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm ‡ For code see page 8. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22467 Monday, 28th May 1923.

Observations at 1300 G.M.T. 27th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1025·4	0	N'W	3	bc	49	66	8	-	-	0	a.Cu	5	*
Stornoway	1027·5	+2	NE	6	bc-	50	85	8	4000	Cu	6	-	5	*
Wick	1026·4	+3	NNE	3	o	47	92	8	5700	St.Cu	4	a.Cu	9	*
Castlebay	1025·1	+2	NNE	4	bc	52	75	8	4000	St.Cu	5	-	5	*
Nairn	*	*	*	*	*	*	*							*
Aberdeen	1024·6	+2	NE	4	o	48	92	7	1500	St	10	-	10	1
Malin Head	1023·0	+2	NE'E	4	bc	52	92	8	4000	Cu	3	Ci.Cu	5	*
Renfrew	1022·8	+2	NE	4	c-	55	65	7	4000	Cu.Nb	7	-	7	0
Edinburgh (Inchkeith)	1022·5	+2	NE	3	o	49	92	8	-	St.Cu	10	-	10	*
Leuchars	1022·4	+2	ENE	3	o	53	75	7	2500	St.Cu	3	a.St	10	0
Eskdalemuir	1021·0	0	NE	5	o	50	65	7	4000	St.Cu	10	-	10	0
Tynemouth	1020·1	+1	NE	3	djp	47	97	6	4000	Nb	10	-	10	*
Blacksod Point														*
Donaghadee	1021·2	+2	NE	3	c+	49	85	8	1500	St.Cu	3	a.St	7	*
Birr Castle	1019·8	*	N	2	c-	53	65	7	4000	Cu	8	-	8	*
Holyhead	1019·4	+1	NE'N	4	bc	52	75	8	2500	Cu	5	-	5	0
Liverpool (Bidston)	1017·9	+1	NE	3	o	52	65	8	1500	Sc	9	-	9	*
Chester (Shotwick)	1017·8	+1	NNE	2	o	54	65	6	4000	St.Cu	10	-	10	0
Spurn Head	1017·3	+1	NNE	4	bc	52	75	8	4000	Cu	6	-	6	*
Birmingham (Edgbaston)	1017·3	+1	NE	3	o	50	65	6	4000	St.Cu	9	-	9	*
Nottingham	1016·8	+1	E	4	o	53	65	8	1500	St.Cu	10	-	10	*
Cranwell	1017·8	+2	NE'E	4	o	51	65	8	2500	Cu	10	-	10	0
Gorleston	1015·7	+1	N'E	4	orr	45	92	6	2500	Nb	10	-	10	*
Valencia (Cahirciveen)	1021·6	0	N	3	bc	52	65	9	2500	Cu	6	-	6	0
Roches Point	1019·9	+1	NW	3	c-	51	85	8	4000	Cu.Nb	4	Ct	7	*
Pembroke (St. Ann's H.)	1017·7	+1	E	2	djp	47	85	7	2500	Nb	8	-	8	*
Ross-on-Wye	1016·4	+2	E	2	mo	51	65	6	2500	St	10	-	10	0
Benson	1016·5	+1	NNW	2	o	50	65	8	-	St.Cu	9	-	9	0
Andover	1016·6	+1	NNE	4	c	53	55	8	4000	Cu	6	a.St	7	0
S. Farnborough	1015·3	+1	NE'E	3	o+	54	55	7	4000	Cu	6	a.St	10	1
London (Kew Obsy.)	1016·1	+1	NNE	3	o	51	65	6	4000	St.Cu	4	a.St	10	0
Croydon	1015·4	+1	NE'N	2	o	51	65	6	2500	Cu	5	a.St	10	0
Cleeton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1015·8	+1	NE	3	od	49	75	8	1500	St.Cu	10	-	10	*
Grain	1015·7	+2	NE	4	o	51	65	8	4000	St.Cu	4	a.St	10	0
Lympne	1015·1	+3	NNE	4	or	49	92	7	1500	Nb	9	a.St	10	5
Scilly (St. Mary's)	1015·6	+1	N'E	3	bc	54	75	7	4000	St.Cu	3	a.Cu	6	*
Falmouth (Pendennis)	1015·2	+3	NNW	1	c2l	50	75	7	4000	Cu.Nb	7	-	7	*
Plymouth (Cattewater)	1015·3	+3	NE	3	c	54	65	8	2500	St	8	-	8	0
Portland Bill	1015·7	?	N	3		53	85	6	2500	?	?	?	?	*
Southampton (Calshot)	1015·2	0	NNE	3	o-	55	55	8	4000	St.Cu	9	-	9	0
Dungeness	1014·5	+2	NE	3	osc	49	75	7	4000	Nb	10	-	10	*
Jersey	1013·8	+1	NE	3	o/r	52	65	8	4000	St.Cu	10	-	10	*

Observations at 1800 G.M.T. 27th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1025·8	0	NE	3	c	45	75	8	5700	St.Cu	6	a.Cu	8	2
Stornoway	1028·4	+2	NE	4	b	49	65	8	4000	Cu	3	-	3	3
Wick	1025·6	-1	NNW	4	o	48	65	6	2500	Cu.Nb	9	-	9	3
Castlebay	1026·2	0	NNE	5	b+	49	75	8	-	-	0	-	0	4
Nairn	1026·7	*	NE	1	o+	47	85	7	1500	St	9	-	9	*
Aberdeen	1025·1	+1	N	3	bc	47	75	8	1500	St	4	-	4	0
Malin Head	1025·0	0	N	4	b	51	97	8	-	-	0	Ci.Cu	3	1
Renfrew	1023·2	+1	NE	3	o	54	65	7	2500	St.Cu	10	-	10	*
Edinburgh (Inchkeith)	1023·3	+2	ENE	4	o	47	85	8	-	St	6	a.St	10	3
Leuchars	1023·6	+1	NNE	4	o	50	75	8	4000	St.Cu	10	-	10	*
Eskdalemuir	1021·9	+1	NE	5	o	46	85	7	2500	St.Cu	10	-	10	*
Tynemouth	1021·0	+1	N	3	odjp	46	97	6	4000	Nb	10	-	10	2
Blacksod Point														*
Donaghadee	1021·3	0	NE	3	djp	52	75	8	2500	St	7	-	7	4
Birr Castle	1020·9	*	NE	1	o+	54	65	7	4000	St.Cu	9	-	9	*
Holyhead	1019·2	0	N'E	4	b-	52	75	8	-	-	0	Ci.Cu	2	4
Liverpool (Bidston)	1017·8	0	NNE	3	bc	55	55	7	4000	Cu.Nb	2	a.Cu	4	3
Chester (Shotwick)	1017·8	0	NNE	2	c+	55	55	6	4000	St.Cu	8	-	8	*
Spurn Head	1017·8	0	N	4	o	49	92	7	1500	St.Cu	10	-	10	3
Birmingham (Edgbaston)	1017·1	-1	E	3	o	50	65	5	4000	Cu	3	a.St	9	*
Nottingham	1017·2	0	E	3	o	50	75	7	2500	Nb	10	-	10	*
Cranwell	1018·1	0	NE'N	2	opr	48	75	8	2500	St	7	a.St	10	*
Gorleston	1015·7	0	N'W	4	o	48	85	7	2500	St.Cu	10	-	10	1
Valencia (Cahirciveen)	1022·0	0	NNW	3	b	54	65	9	2500	St.Cu	3	-	3	0
Roches Point	1020·3	0	SSE	1	c	52	85	7	4000	Cu.Nb	7	-	7	0
Pembroke (St. Ann's H.)	1017·9	+1	NNE	3	o	52	65	7	-	-	0	a.St	10	3
Ross-on-Wye	1016·6	0	NNE	2	o	51	65	7	2500	St	10	-	10	*
Benson	1016·9	0	NNE	4	o	48	75	9	-	St	10	-	10	*
Andover	1016·0	0	NNE	4	djp	51	65	8	2500	St.Cu	5	Cu	7	*
S. Farnborough	1015·7	0	NE	4	bc	51	65	7	4000	Cu	2	a.Cu	8	*
London (Kew Obsy.)	1016·4	+1	N'E	2	bc+	49	75	7	2500	St.Cu	3	a.Cu	6	*
Croydon	1015·9	0	N'E	3	c/r	49	65	6	4000	Cu	8	-	8	*
Cleeton-on-Sea	1015·5	0	WSW	3	odr	46	92	6	1500	St	10	-	10	0
Shoeburyness	1015·6	0	NE	2	od	49	75	8	1500	St.Cu	9	-	9	*
Grain	1015·9	+1	NNE	4	o	49	75	8	2500	St.Cu	10	-	10	0
Lympne	1015·2	+1	N	4	bc-	48	85	8	1500	St	4	a.St	6	*
Scilly (St. Mary's)	1017·4	+1	NNE	3	bc	51	85	6	4000	St.Cu	6	-	6	3
Falmouth (Pendennis)	1016·5	+1	NNW	1	bc/fn	47	85	8	4000	Cu.Nb	5	-	5	0
Plymouth (Cattewater)	1015·6	0	W	1	c+	52	85	8	2500	St.Cu	7	-	7	0
Portland Bill	1015·7	+1	N	2	bc	52	75	7	4000	St.Cu	4	-	4	1
Southampton (Calshot)	1015·5	0	SE'E	4	o-	51	75	8	2500	St.Cu	9	-	9	0
Dungeness	1015·0	+1	NE	3	o/r	49	75	7	4000	St.Cu	10	-	10	4
Jersey	1013·9	0	NE	3	o	53	75	8	4000	St.Cu	10	-	10	3

LONDON OBSERVATIONS

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 hours ended 0900 G.M.T. 28th								Yesterday.		To-day.
Kew } 24 hours ended 0700	bc.mor.	ozcc	cd.or(d)	*	*	44	-	0·4	3·2	*	*
Croydon } 24 hours ended 0700	ozc.(d)	o[p]cz	or(c).mist	*	*	43	-	2	0·6	*	*
Greenwich (Royal Obsy.)	o	o	or	56	44	44	-	1	1·2	62	87
City (Bunhill Row)	*	*	*	*	*	*	*	*	2·9	*	*
Westminster (St. James' Pk.)	*	*	*	56	46	45	1·6		3·1	62	90
Regent's Pk. (Botanic Gdns.)	*	*	*	*	*	*	*	*	2·9	*	*
Camden Square	odc	c	*	59	45	45	-	2	*	*	95
Kensington Palace	co	oc	*	55	45	45	-	1	*	78(18h)	93
Hampstead Observatory	*	*	*	53	43	40	-	1	4·4	*	98

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T. 27th

South Kensington Max.	Time.	Min.	Time.
-	-	-	-

Kew Observatory Max.	Time.	Min.	Time.
-	-	-	-

POLE STAR RECORD at Greenwich Obsy.

Exposure from 27th 21h 30m to 28th 02h 30m

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	5·0	0·0	0
δ Ursae Minoris	5·0	0·0	0

CODE FOR STATE OF GROUND.

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1200 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per ½ sec.	Stren.	Direc.
13h.	C_1C_2	7	-	65°
18h.	C	6	-	140
01h.	C_1C_2	5	-	23
07h.	C_1C_2	5	-	115

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

28th & 29th May, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3·42	11·50	7·58
	3.41	11·50	7·59
Greenwich	3·54	11·57	8·0
	3.53	11.57	8·1
Wick	3.24	12.9	8·55
	3.22	12.9	8·57
Valencia	4·34	12·38	8·42
	4.33	12.38	8·43

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
jp precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
x unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

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; 1 = intermittent; - = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail";
Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus:—
R = heavy rain.
rr = continuous moderate rain.
r_0r_0 = continuous light rain.

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

SEA DISTURBANCE.

0=no swell } Calm or
1=mod. swell } slight
2=heavy swell } sea.
3=no swell } Moderate
4=mod. swell } sea.
5=heavy swell }
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 2.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 27th	WEATHER. 13h.-18h. 27th	WEATHER. 18h. 27th to 1h. 28th	WEATHER. 1h.-7h. 28th	TEMPERATURE. MAX. Day. 7h.-18h.	TEMPERATURE. MIN. Night. 18h.-7h.	TEMPERATURE. MIN. on GRASS	RAINFALL† Day. 7h.-18h. mm.	RAINFALL† Night. 18h.-7h. mm.	RAINFALL† Precipitation began.	RAINFALL† Precipitation began.	SUB. 28th Hours.
Lerwick	bc	bc	bc	bcq	51	39	•	–	–	–	–	6.7
Stornoway	c	bc	c	c	51	41	•	–	0.1	–	–	10.5
Wick	oo	oo	oo	oo	49	43	•	–	–	–	–	•
Castlebay	bc bc	bcb	bc	cbc	54	44	•	–	–	–	–	13.0
Nairn	cgq	cgm	cgq	cgq	50	43	•	–	–	–	–	0.3
Aberdeen	o·c·o	o·c·bc	bcbbc	bcq	53	43	38	–	–	–	–	4.2
Malin Head	c.o bcv.	bcv	bccov	cov	52	45	•	–	–	–	–	11.1
Renfrew	or oq.c	c·o·	oc	cb	57	38	28	0·3	–	–	–	5.9
Edinburgh(Inchkeith)	oo	oo	c	oo	50	42	39	Trace	–	–	–	2.8
Leuchars	c.o	oo	ocbcb	bbcco	54	42	39	–	–	–	–	3.8
Eskdalemuir	o·c·o	o·wb·o	oo	oopbl	53	38	37	–	Trace	–	0630	6.0
Tynemouth	cm	d.d.m	m ir.	oqcd	51	43	41	1	0.6	1430	–	•
Blacksod Point ...				c	50	40	•		0.5		–	•
Donaghadee	bcp	bcp	o	o	54	46	•	Trace	–	1100	–	•
Birr Castle	cobr.	cobr.	co	pr.co	56	43	35	0.2	0.1	0900	0630	•
Holyhead	pa.c.bc	bc.b	bc od°	or.op	53	46	43	Trace	1	<0800	<2100	9.6
Liverpool (Bidston)...	c.bc	c.bc	r-d°	r-d	56	42	40	–	0.6	–	2200	5.7
Chester (Shotwick) ...	0013	o·oc2	corrm	orrm	56	42	44	–	9	–	2200	2.1
Spurn Head	c	c	omdrr	orr	52	44	•	–	10	–	<2100	6.5
Birmingham (Edgbaston)	c.om	oo	com	orrm	51	41	40	–	4	–	0130	0.5
Nottingham	c	oo	odr.	rr	54	43	42	–	7	–	2200	0.6
Cranwell	oo	opr.	orr	r r.	53	42	42	Trace	9	1530	<2100	1.2
Gorleston	or	orpq.	oo	cvpbc	49	47	43	5	0.3	0900	0330	0.0
Valencia (Cahirciveen)	c bc	cp.bc	b	bbc	54	46	39	0.1	–	–	–	6.6
Roches Point	op.c	ccgj	cb	bo	56	44	-x-	0.6	–	–	–	-x-
Pembroke(St.Ann's H.)	p	oo	oo	oqr	55	45	•	1	1	<0800	0330	2.9
Ross-on-Wye	oo	o·c·o	op.or.	r k	54	43	42	–	6	–	<2100	0.9
Benson...	bc.c	o	o	or	56	44	43	–	1	–	0430	•
Andover	c.cy	cy	cobro	oobr	57	43	42	–	Trace	–	<2100	6.6
S. Farnborough ...	c.o	o.d.bc	bcco	or	55	43	39	–	3	–	0630	7.3
London (Kew Obsy.)...	bcomor	o2c.c.	codcm	omorod.	54	45	44	–	0.4	–	0130	3.2
Croydon	omz	opoc2.	om.	omrr	52	44	43	Trace	2	1430	<2100	0.6
Clacton-on-Sea ...	ogd	ogd	ogrod	ogcbc	50	44	44	2	2	0900	<2100	0.1
Shoeburyness	oo	oo	opr	o	52	44	43	Trace	1	1430	<2100	0.0
Grain	op.c.o	o·c·oo	ooro	oom	52	45	44	–	1	–	2200	0.5
Lympne	owr.	or.c.o	bccod.	od.rm	52	41	38	0.2	2	0900	0230	2.2
Scilly (St. Mary's) ...	cp.	cm2	cm	com	55	47	•	0.2	–	<0800	–	6.4
Falmouth (Pendennis)	opc22	o2r.t.	co	od.	54	46	•	2	Trace	0900	0330	2.6
Plymouth(Cattewater)	c	p·bc·b	cbc	co	55	45	40	Trace	–	1230	–	5.5
Portland Bill	c	c	cpr	pbc	58	49	•	–	–	–	–	•
Southampton(Calshot)	oo	oo	c	bor.	58	43	39	0.2	Trace	<0800	0630	1.2
Dungeness	r w d.	p	c	r-d	51	41	•	2	0.3	1100	0330	•
Jersey	b.cpo	o·c·o	occ	occ	54	46	•	Trace	–	0900	–	3.3

ISALLOBARS. 28th MAY 1923

Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	27th 1000	Hibernia	NNE	8	bc	48	49	7
3	28th 0300	Brighton	N	3	bc	50	54	8

GENERAL INFERENCE.

The large anticyclone off the Hebrides now shows a tendency to spread east and southeast. Cool northeasterly winds will be maintained for a time, but weather is likely to improve and there is some chance of warmer conditions after a day or two.

Forecasts for the 24 hours commencing 15h. G.M.T. Monday, 28th May, 1923.

Districts.	Forecast	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Wind N. or NE., light or moderate, fresh in places; cloudy, local rain or showers; improving; visibility moderate or good; rather cool.	Mainly fair; some chance of warmer conditions in a day or two.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind northeasterly, fresh or strong to moderate; cloudy to fair; visibility moderate or good; cool.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N.& N.W.Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind northeasterly, fresh to moderate; mainly fair; visibility moderate or good; cool.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0915 GMT G. C. SIMPSON, F.R.S., Director.

§ For Code *see* opposite page.

SYNOPTIC CHART FOR MORNING OF MONDAY, 28TH MAY 1923

Scale - 1:10,000,000

Nautical Miles 100 0 100 200

Statute Miles. 100 0 100 200

Low Cloud

TEMPERATURE WEATHER, SEA

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

Baromeler

HIGH Steady

Baromeler

LOW

Baromeler

Rising

or

Rising

Slowly

LOW

Rising

"MEGANTIC" 10 50 Sea 51 O'cast.

"MINNEDOSA" 10 51 Sea 51 Fine

"ORBITA" 5 54 Sea 56 Fair

5 45 Fine

15 50 Fine

0 37 O'cast.

2 46 Fine

45 21 Cloudy

21 45 Cloudy

21 47 Cloudy

46 15 Fine

48 27 O'cast.

5 51 Cloudy

15 44 Drizzle

47 27 O'cast.

44 15 Rain

10 44 Rain

5 48 Drizzle

15 50 O'cast.

2 52 Fine

10 50 Cloudy

48 5 Drizzle

50 5 Showers

5 48 Rain

43 27 Fair

15 43 Cloudy

10 46 Cloudy

43 27 Fair

10 36 Fair

27 43 O'cast.

52 15 Cloudy

2 50 O'cast.

5 51 Fair

5 50 O'cast.

2 46 O'cast.

52 0 O'cast.

46 0 Rain

50 5 O'cast.

5 46 Rain

1030 1028 1026 1024 1022 1020 1018 1016 1014

EXPLANATION

BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. Direction is shown by arrows flying with the wind. Force, on the scale 0–12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.

TEMPERATURE is given in ° F

WEATHER SYMBOLS: ○ clear sky, ◔ sky ¼ clouded; ◑ sky ½ clouded; ◕ sky ¾ clouded; ● overcast sky; ● rain falling; * snow; * sleet; ▲ hail; ≡ fog; =° mist; T thunder R thunderstorm

SEA DISTURBANCE: ~~~ Rough, ≈≈≈ High

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

0.	Dense fog. Objects not visible at	55	yards
1.	Rather thick fog	220	"
2.	Very bad	550	"
3.	Bad	1,100	"
4.	Very poor	1¼	miles.
5.	Poor	2½	"
6.	Moderate	6½	"
7.	Good	12½	"
8.	Very good	31¼	"
9.	Exce'lent.	beyond 31¼	"

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4. BRITISH SECTION. Monday, 28th May 1923. No. 148.

Observations at 0100 G.M.T. 28th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.‡ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1026.0	0	NE	4	bc+	43	75	6	3700	St.Cu	3	A.St	5	*
Stornoway	1029.0	?	NE	3	0	*	*	5	*	*	*	*	*	*
Wick	1026.1	0	N	3	0	44	85	8	4000	St.Cu	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1024.4	0	NNE	4	c	48	92	8	3700	St.Cu	7	-	7	*
Renfrew	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	1024.0	+1	NNW	2	0	44	85	8	-	St.Cu	7	A.St	9	*
Leuchars	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	1024.4	-1	N	4	o/r	45	92	6	4000	Nb	10	-	10	*
Blacksod Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	1023.2	+1	NE'N	5	o/r	47	92	6	800	Nb	10	-	10	*
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1025.5	0	N	6	o/r	46	97	6	4000	Nb	10	-	10	*
Birmingham (Edgbaston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1024.3	0	NNE	4	o/r	45	97	7	800	Nb	10	-	10	*
Gorleston	1025.7	0	NE	3	0-	49	92	7	4000	St.Cu	9	-	9	*
Valencia (Cahirciveen)	1024.5	+1	NE	2	b-	50	97	8	-	-	0	A.Cu	2	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1025.5	-1	NNE	3	0	47	97	7	2500	St.Cu	9	-	9	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	*	*	*	*	*	47	*	*	*	*	*	*	*	*
Croydon	1026.1	-2	NW	1	o/r	45	92	6	1500	St.Cu	10	-	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1025.8	-1	NNW	3	o	44	97	6	800	Nb	10	-	10	*
Scilly (St. Mary's)	1024.4	0	NE'N	3	c	49	85	7	4000	St.Cu	8	-	8	*
Falmouth (Pendennis)	1027.6	0	NNW	2	0	47	75	7	4000	St.Cu	9	-	9	*
Plymouth (Cattewater)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1026.2	0	NE	2	o/c	46	85	7	-	-	0	A.St	10	*
Southampton (Ca.shot)	1026.6	0	N	3	b	44	85	7	-	-	0	-	0	*
Dungeness	1025.2	0	N	3	bc-	44	92	7	-	-	0	A.Cu	5	*
Jersey 7h. / Guernsey 1h.														*

Observations at 0700 G.M.T. 28th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.‡ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1027.8	+2	NE	4	c+	43	75	7	5700	St.Cu	4	A.Cu	8	3
Stornoway	1028.0	+1	ENE	5	c	45	75	8	4000	Cu.Nb	7	-	7	4
Wick	1027.0	+2	N	4	0	44	85	8	5700	St.Cu	10	-	10	4
Castlebay	1027.5	0	NNE	4	bc	46	65	8	4000	St.Cu	5	-	5	4
Nairn	1027.1	"	E	1	bc-	45	85	8	4000	St.Cu	6	-	6	*
Aberdeen	1025.4	+2	NNE	5	c	45	85	7	2500	St	8	-	8	4
Malin Head	1024.8	0	NNE	5	c	47	85	9	5700	St.Cu	8	-	8	3
Renfrew	1024.8	+1	NE	4	b	46	65	8	4000	St.Cu	3	-	3	*
Edinburgh (Inchkeith)	1023.8	+1	NNE	4	0	43	75	8	-	St.Cu	10	-	10	3
Leuchars	1024.2	+1	NE	4	0	45	65	8	4000	St.Cu	10	-	10	*
Eskdalemuir	1021.1	0	NE'N	5	od.	41	85	6	2500	St.Cu	9	-	9	*
Tynemouth	1020.5	+2	NNE	4	od.	44	92	6	4000	Nb	10	-	10	6
Blacksod Point	1025.9	+3	N	6	0	48	75	7	-	-	0	A.St	10	5
Donaghadee	1023.5	+1	NE	3	c-	47	85	8	1500	Nb	8	-	8	3
Birr Castle	1023.4	*	NE	1	c/r	47	92	7	4000	St.Cu	7	-	7	*
Holyhead	1021.4	0	NE'N	6	o/r	47	85	8	2500	St.Cu	10	-	10	6
Liverpool (Bidston)	1020.6	+1	NNE	3	o/r	44	85	7	1500	St.Cu	10	-	10	3
Chester (Shotwick)	1020.4	0	NW	3	o/r.	44	92	5	1500	St	10	-	10	*
Spurn Head	1018.3	+1	NNE	6	o/r-	45	92	7	4000	Nb	8	A.St	10	4
Birmingham (Edgbaston)	1018.8	+2	NE	4	o/r-	42	92	4	2500	Nb	10	-	10	*
Nottingham	1018.5	+2	NE	4	o/r-	44	97	6	1500	Nb	10	-	10	*
Cranwell	1020.0	+1	N'E	4	o/r.	43	97	6	800	Nb	10	-	10	*
Gorleston	1016.5	+1	NE'N	2	bc-	51	85	6	4000	Cu.Nb	4	-	4	1
Valencia (Cahirciveen)	1024.4	+2	NNE	2	c+	51	75	8	2500	St.Cu	6	Cir	7	3
Roches Point	1025	0	NNE	3	0	48	92	8	-	-	0	Ast	10	0
Pembroke (St. Ann's H.)	1025.8	+2	NE	3	o/r	44	97	7	1500	Nb	10	-	10	3
Ross-on-Wye	1025.8	+2	NE'N	3	o/r	43	92	5	1500	Nb	10	-	10	*
Benson	1026.5	+1	N	3	o/.	45	97	6	-	Nb	10	-	10	*
Andover	1026.2	0	NNE	4	0	47	85	8	800	St.Cu	10	-	10	*
S. Farnborough	1025.8	+1	ENE	3	o/r	46	97	6	1500	St.Cu	10	-	10	*
London (Kew Obsy.)	1026.1	+2	N	2	od.	48	92	6	2500	Nb	8	A.St	10	*
Croydon	1025.8	+1	NNE	1	o/r.	46	97	3	450	St	10	-	10	*
Clacton-on-Sea	1024.7	0	NNE	3	bc	51	85	6	7200	St.Cu	5	-	5	1
Shoeburyness	1025.0	+1	NE	2	0	50	85	7	1500	St.Cu	8	A.St	10	*
Grain	1025.3	0	NNE	3	0	50	85	6	2500	St	10	-	10	0
Lympne	1024.5	+1	N'W	2	o/.	47	97	6	800	Nb	8	A.St	10	*
Scilly (St. Mary's)	1025.0	0	N	4	0	50	92	6	4000	St.Cu	3	A.St	10	4
Falmouth (Pendennis)	1028.0	+1	N	1	od.	46	92	7	2500	Nb	10	-	10	0
Plymouth (Cattewater)	1027.1	+1	-	0	o-	47	85	7	1500	St	10	-	10	0
Portland Bill	1026.2	+3	NE	3	0	48	85	7	1500	St.Cu	10	-	10	1
Southampton (Ca.shot)	1025.7	0	N'W	3	o/r.	47	85	6	800	St	10	-	10	0
Dungeness	1024.6	-1	N	1	o/r	48	97	5	800	St	10	-	10	3
Jersey 7h. / Guernsey 1h.	1025.4	0	NNE	3	c	50	65	8	4000	St.Cu	8	-	8	0

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 27th

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 26th-27th	Temperature. Max. Day. 27th	Rainfall.† Night 17h.-9h. 26th-27th	Rainfall.† Day 9h.-17h. 27th	Sunshine. Sunrise to 17h. 27th	Sunshine. Sunrise to Sunset. 26th
			°F.	°F.	mm.	mm.	hr.	hr.
Montrose	.8	.8	41	50	3	-	2.6	1.6
Llandudno	c.b	c.c.b	44	54	1	-	5.2	3.4
Colwyn Bay	bc	bc	44	55	-	-	4.7	?
Rhyl	c.bc	bc.c.bc	43	55	0.3	-	4.3	4.3
Southport	o.c.bc	bc.c.bc	43	57	1	-	4.2	6.9
Blackpool	o.c.	bc.c	42	58	1	-	4.6	7.7
Ilkley	cd.bc	b	41	54	1	-	5.9	5.1
Harrogate	c	c	40	53	-	-	5.4	5.0
Skegness	b.bc.o	o	38	50	-	-	4.3	9.7
Aberystwyth	o.bc	o	43	57	-	-	2.0	6.0
Bath	bc.c.o	c.bc.o	43	55	2	-	5.5	7.3
Leamington Spa	c.b.	c.b.o	37	54	-	-	2.8	0.6
Lowestoft	o.r.	or.o	39	49	-	4	0.0	10.5
Felixstowe	od	ond	39	46	-	2	0.0	9.5
Southend	o	o	42	52	-	-	0.2	7.0

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 26th-27th	Temperature. Max. Day. 27th	Rainfall.† Night 17h.-9h. 26th-27th	Rainfall.† Day 9h.-17h. 27th	Sunshine. Sunrise to 17h. 27th	Sunshine. Sunrise to Sunset. 26th
			°F.	°F.	mm.	mm.	hr.	hr.
Ilfracombe	cbcb	bbccom	45	56	0.4	-	6.7	5.8
Bude	mc.bc	bc.b.bm	45	56	1	-	5.1	8.8
Penzance	rbc	TLR	45	56	4	3	?	?
Paignton	bcc	bc	44	56	4	-	6.4	7.3
Torquay	c	b	45	56	7	-	5.5	7.8
Weymouth	o.c.	c.bc	43	59	1	0.2	4.4	7.0
Bournemouth	c	c	40	57	-	-	1.6	9.5
Portsmouth (S'thsea)	o.	c.o	44	56	2	-	0.9	9.0
Worthing	o.c	c	44	50	-	-	2.4	6.0
Brighton	o	o	44	56	11	-	0.4	6.2
Eastbourne	o	c.c.r.o	43	55	2	1	0.5	9.9
Hastings	or.	oR.d.o	43	51	0.2	4	0.0	8.8
Folkestone	op	op	43	56	-	1	0.0	7.7
Tunbridge Wells	abc	o.c.op.o	40	55	-	0.1	1.7	6.3
Ramsgate	o.bc	bc.r.bc	45	52	-	2	2.8	12.2
Margate	o	c.o	47	50	0.3	0.2	2.0	12.9
Deal	orr	r.c.bc	47	55	-	3	0.4	?

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm ‡ For code see page 8. ‖ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B 22468 TUESDAY 29TH MAY 1923. Page 1.

Observations at 1800 G.M.T. 28th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	State of Ground.
Lerwick	1028·8	+1	NE	4	b	45	75	7	-	-	0	A.Cu	1	*
Stornoway	1030·7	+2	ENE	4	bc	48	88	8	4000	Cu	4	-	4	*
Wick	1028·9	+2	NNE	4	bc-	46	85	8	5700	St.Cu	4	-	4	*
Castlebay	1028·7	+1	NNE	5	b	50	75	8	4000	St.Cu	2	-	2	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1027·4	+2	NNE	5	bc	48	75	8	2500	Cu	6	-	6	0
Malin Head	1026·1	+1	NNE	4	bc	50	75	9	4000	Cu	1	Ci.Cu	5	*
Renfrew	1025·0	0	NE	4	c	56	55	8	4000	Cu	3	Ci	7	0
Edinburgh(Inchkeith)	1025·5	+2	ENE	5	c@	49	85	8	*	Cu	4	Ci	8	*
Lanchars	1025·4	+1	ENE	5	bc	50	85	7	4000	St.Cu	2	Ci.St	4	0
Eskdalemuir	1024·1	+1	NEN	6	0	45	65	6	2500	St.Cu	10	-	10	0
Tynemouth	1022·7	+2	NNE	4	o/r	45	92	6	4000	St.Cu	10	-	10	*
Blacksod Point	1026·2	+1	N	6	0	48	75	7	-	-	0	A.St	10	*
Donaghadee	1024·0	+1	NE	3	c	48	75	8	2600	St.	9	-	9	*
Birr Castle	1022·8	*	NE	2	Cr	55	65	8	4000	St.Cu	8	-	8	*
Holyhead	1022·5	+2	NE.N	5	or.	47	75	8	2500	Nb	7	A.St	10	1
Liverpool (Bidston)	1021·8	+1	NNE	4	orr.	45	85	6	800	Nb	10	-	10	0
Chester (Shotwick)	1021·6	+1	N	3	o/r	46	85	6	800	St.	10	-	10	0
Spurn Head	1020·3	+2	N	5	0	49	92	7	1500	Cu	10	-	10	*
Birmingham (Edgbaston)	1019·5	+1	NE	4	or.	46	85	5	4000	Nb	10	-	10	2
Nottingham	1019·6	+1	NE	4	0	48	85	7	1500	St.Cu	10	-	10	*
Cranwell	1020·0	+1	NE.N	4	0	46	85	8	1500	St.	10	-	10	2
Gorleston	1018·0	+1	NE.N	5	0+	54	85	6	4000	St.	10	-	10	*
Valencia (Cahirciveen)	1024·5	0	N	4	b-	55	75	8	2500	St.Cu	3	-	3	*
Roches Point	1022·2	0	E	3	0bb	49	92	7	2500	Nb	10	-	10	*
Pembroke (St. Ann's H.)	1020·0	0	NE	3	Cr.	48	75	7	1500	Nb	8	-	8	*
Ross-on-Wye	1018·8	0	NNE	3	o/r	47	85	6	2500	Nb	10	-	10	2
Benson	1017·2	+1	N	5	0	48	92	7	-	Nb	10	-	10	1
Andover	1017·0	+1	NNE	4	o/r	48	85	7	800	St.	10	-	10	1
S. Farnborough	1016·3	0	NE	2	mmo	53	85	5	800	St.Cu	10	-	10	2
London (Kew Obsy.)	1016·0	-1	N	3	c-	54	78	7	2500	Cu	8	-	8	2
Croydon	1015·9	-0	N	2	c/r	54	75	5	1500	St.Cu	8	-	8	1
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1016·0	+1	ENE	4	bc-	56	65	7	5700	Cu	1	Ci.St	4	*
Grain	1016·2	+1	ENE	5	bc-	54	75	8	4000	Cu	2	Ci	6	0
Lympne	1015·7	+1	ESE	3	c@	55	75	7	4000	Cu	3	Ci.St	8	0
Scilly (St. Mary's)	1018·8	+1	NNE	4	or.	48	85	7	2500	Cu.Nb	10	-	10	*
Falmouth (Pendennis)	1018·3	0	E	4	o/r	47	85	8	4000	St.Cu	10	-	10	*
Plymouth(Cattewater)	1017·6	+1	NE	4	0-	48	75	7	2500	St.	10	-	10	0
Portland Bill	1016·6	0	NE	3	bc-	51	85	7	4000	Nb	2	A.St	6	*
Southampton(Calshot)	1016·2	+1	NE	4	c-	54	65	6	4000	Cu.Nb	8	-	8	0
Dungeness	1015·5	0	E	2	bc-	56	75	7	-	-	0	Cu	6	*
Jersey	1016·3	0	N	3	c	54	65	8	4000	St.Cu	7	-	7	*

Observations at 1800 G.M.T. 28th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sun P-P
Lerwick	1026·7	+1	NE	3	b.	47	75	8	-	-	0	Cu.Cu	2	2
Stornoway	1030·4	+0	ENE	3	b-	50	75	8	-	-	0	-	0	3
Wick	1029·3	+1	NNE	3	b	47	85	8	5700	St.Cu	2	Cu.Cu	2	2
Castlebay	1028·7	0	NNE	5	b	53	65	8	-	-	0	-	0	4
Nairn	1029·3	+	ENE	3	b-	48	75	8	-	-	0	A.Cu	2	*
Aberdeen	1028·6	+2	N	4	b	47	75	8	1500	St	2	-	2	8
Malin Head	1026·2	+1	NE	5	b-	50	65	8	-	-	0	Cu.Cu	1	3
Renfrew	1026·4	+2	E	4	b	53	65	7	-	-	0	Ci	2	*
Edinburgh(Inchkeith)	1026·6	+2	ESE	5	b-	49	85	8	-	-	0	Ci.St	2	4
Lanchars	1027·0	+3	ENE	4	b	48	75	7	-	-	0	Ci	1	*
Eskdalemuir	1025·0	-0	NE	6	c-	43	75	7	4000	St.Cu	8	-	8	*
Tynemouth	1023·9	+2	N	5	o	45	92	6	4000	St.Cu	10	-	10	6
Blacksod Point	1026·2	0	N	6	o	49	75	8	-	-	0	A.St	10	6
Donaghadee	1025·3	-1	NNE	3	bc-	52	65	8	5700	St.Cu	3	A.Cu	5	3
Birr Castle	1024·1	*	NE	1	0+	51	65	7	4000	Cu	9	-	9	*
Holyhead	1023·2	+1	NE.N	5	o	49	85	7	1500	St.Cu	10	-	10	5
Liverpool (Bidston)	1022·2	0	NNE	4	o/r	47	75	7	2500	St	10	-	10	4
Chester (Shotwick)	1022·7	+1	NE.N	3	o	48	85	6	2500	St	8	A.St	10	*
Spurn Head	1020·9	0	N	5	0m+	48	92	6	800	St	10	-	10	3
Birmingham (Edgbaston)	1020·8	+1	NE	4	c-	49	75	6	4000	Cu.Nb	8	-	8	*
Nottingham	1021·0	+1	NNE	4	o	49	85	6	1500	St.Cu	9	A.Cu	10	*
Cranwell	1021·4	+1	NE	4	o	48	85	7	2500	St.Cu	10	-	10	*
Gorleston	1018·9	+1	NE	4	o!o+	49	92	6	4000	Nb	2	Ci.St	10	1
Valencia (Cahirciveen)	1023·7	-1	NW	5	bc+	53	65	8	2500	St.Cu	8	A.Cu	4	4
Roches Point	1023·5	+2	NE	2	bc-	48	85	8	-	-	0	ACu	4	0
Pembroke (St. Ann's H.)	1020·5	0	NE	4	c	49	75	7	2500	St.Cu	8	-	8	3
Ross-on-Wye	1020·1	+2	ENE	2	o~	49	85	6	2500	St	8	A.Cu	9	*
Benson	1018·8	+2	NE	4	orr	48	97	5	-	Nb	10	-	10	*
Andover	1018·1	+2	NNE	4	o/r	50	85	8	1500	St	10	-	10	*
S. Farnborough	1017·7	+2	-	0	0	52	85	6	1500	St	9	A.St	10	*
London (Kew Obsy.)	1018·0	+2	E	3	0	55	65	6	2500	St	6	A.St	10	*
Croydon	1017·9	+3	E.N	3	o/r	53	75	7	1500	St.Cu	7	A.St	10	*
Clacton-on-Sea	1018·2	+2	NE	4	o!o	52	85	6	1500	St	10	-	10	2
Shoeburyness	1018·4	+2	ENE	5	opr.	51	85	6	800	St	2	A.St	6	*
Grain	1018·2	+2	NE	6	or!o.	51	92	7	800	Nb	8	A.St	10	3
Lympne	1018·0	+3	NE.N	3	orr	49	85	7	1500	Nb	9	A.St	10	*
Scilly (St. Mary's)	1018·6	+1	NE	4	or.	47	92	6	2500	Cu.Nb	10	-	10	5
Falmouth (Pendennis)	1018·8	0	E	4	0	48	85	7	4000	St.Cu	10	-	10	0
Plymouth(Cattewater)	1018·1	+1	NE	2	bc-	51	75	8	2500	St.Cu	6	-	6	0
Portland Bill	1016·6	0	NE	3	or.	51	85	6	-	St?	10	-	10	1
Southampton(Calshot)	1017·2	+2	NNW	2	o/r	50	85	6	4000	St.Cu	6	A.St	10	0
Dungeness	1017·1	+2	E	4	c+	53	85	7	-	-	0	A.St	8	4
Jersey	1016·1	0	NE	3	c	53	75	8	4000	St.Cu	8	-	8	0

LONDON OBSERVATIONS.

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset. hrs.	Humidity. 18h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 HOURS ENDED 0900 G.M.T. 29th								YESTERDAY.		TO-DAY.
Kew } 24 hours ended 0700	mfoc	obo	aymorrb	*	*	44	2	11	1·5	*	*
Croydon }	or.fm	oczRr	obr Rr	*	*	44	1	10	2·4	*	*
Greenwich (Royal Obsy.)	o!pc	d!pc	or	58	45	44	1	8	1·7	66	94
City (Bunhill Row)	*	*	*	*	*	*	*	*	0·9	*	*
Westminster (St. James' Pk.)	*	*	*	58	46	40	14		1·4	85	92
Regent's Pk. (Botanic Gdns.)	*	*	*	*	*	*	*	*	1·0	*	*
Camden Square	orc	orc	*	58	45	45	6	12	*	*	95
Kensington Palace	o!o.P	Pob	*	56	45	45	3	7	*	71(18h.)	93
Hampstead Observatory	*	*	*	54	43	42	13	7	2·5	*	97

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 28th

South Kensington

Max.	Time.	Min.	Time.
-	-	-	-

Kew Observatory

Max.	Time.	Min.	Time.
0·3	19h. 27m	0·3	22-24h
0·4	10h. 28m		27th

POLE STAR RECORD at Greenwich Obsy.

Exposure from 28th 21h. 30m. to 29th 02h. 30m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	5·0	0·0	0
β Ursae Minoris	5·0	0·0	0

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating-to-day in 1800 and 1900 reports. (Hoar frost in 0700 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Slush on roads (loose mush from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 1 sec.	Strength.	Direct.
13h.	C,C2	6	-	70°
16h.	C,C2	6	-	120°
01h.	C,C	5	-	10°
07h.	C,C	5	-	100°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

29th-30th MAY, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.41 / 3.40	11.50 / 11.50	7.59 / 8.0
Greenwich	3.53 / 3.51	11.57 / 11.57	8.1 / 8.2
Wick	3.21 / 3.20	12.9 / 12.9	8.57 / 8.58
Valencia	4.33 / 4.32	12.38 / 12.39	8.43 / 8.44

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
ip precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
x unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

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; | = intermittent; - = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail".
Capital letters indicate intense, suffix c indicates slight and repetition of letters continuity, thus:—
R = heavy rain.
rr = continuous moderate rain.
r$_{c}$r$_{c}$ = continuous light rain.

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

SEA DISTURBANCE.

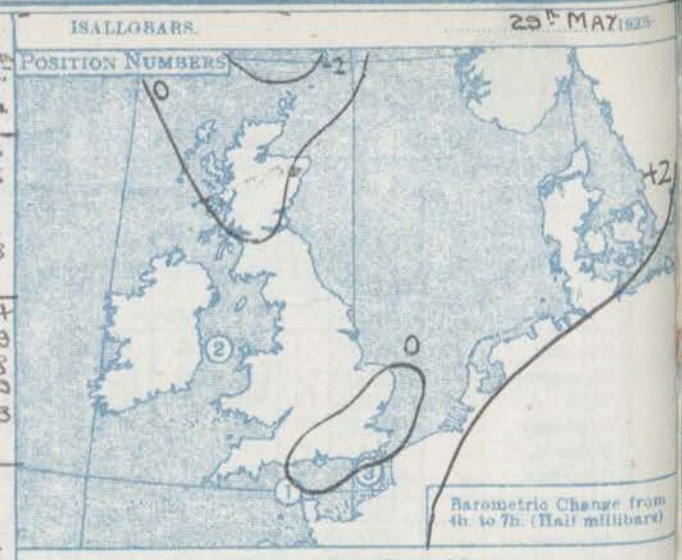
0=no swell	Calm or slight sea.
1=mod. swell	
2=heavy swell	
3=no swell	Moderate sea.
4=mod. swell	
5=heavy swell	
6=rather rough sea.	
7=rough sea.	
8=very rough sea.	
9=contagious sea.	

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. † For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 28th	13h.-18h. 28th	18h. 28th to 1h 29th	1h.-7h. 29th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS	RAINFALL. Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	Sun. 29th Hours.
Lerwick	bc	b	bc	c	47	39	•	–	–	–	–	12.3
Stornoway	c	b.bc	bbc	c	51	38	•	–	–	–	–	12.5
Wick	c	b.bc	bbc	oo	47	39	•	–	–	–	–	•
Castlebay	bcb	b	b w	bc	54	44	•	–	–	–	–	15.1
Nairn	bcq	bcb	bxbc	bc	50	35	•	–	–	–	–	6.8
Aberdeen	cbcq	bcqb	bcob	bco	50	40	29	–	–	–	–	9.7
Malin Head	cobox	bc	bce	bce	51	40	•	–	–	–	–	12.4
Renfrew	b.bccy	cbby	bm	bfm	57	31	23	–	–	–	–	14.9
Edinburgh (Inchkeith)	c	cbcb	bc	mb	50	41	28	–	–	–	–	8.8
Leuchars	ocmbc	b.bc	bbc	bbc	51	33	23	–	–	–	–	11.0
Eskdalemuir	cop₀o	oc	cc	ccbc	46	38	?	0.2	–	<0800	–	3.3
Tynemouth	id₀oq	om	oqv	oomq	46	44	43	Trace	–	–	–	•
Blacksod Point	c	oo		c	52	42	•	–	–	–	–	•
Donaghadee	oo	bc	bc	bcq	53	44	•	–	–	–	–	•
Birr Castle	co	co	cox	co	55	38	36	–	–	–	–	•
Holyhead	or₀	or₀ro	oo	ocbc	49	46	44	Trace	–	1230	–	1.5
Liverpool (Bidston)	r₀m	p	cbc	cbc	48	43	42	1	–	<0800	–	0.2
Chester (Shotwick)	or₀r₀mo	com	om	om	49	44	44	1	–	<0800	–	0.0
Spurn Head	c	com	mod₀	oo	50	45	•	–	Trace	–	<2100	A·0
Birmingham (Edgbaston)	or₀r₀	oir₀	com	or₀	49	42	41	2	0.3	<0800	0230	0.0
Nottingham	oir₀	co	o	c	52	43	43	0.5	–	<0800	–	0.8
Cranwell	oddpd	oo	od₀o	od₀o	51	43	42	1	0.1	<0800	<2100	0.8
Gorleston	coq	oo	obq	odqoq	57	47	46	Trace	Trace	1230	0130	6.0
Valencia (Cahirciveen)	cbcb	bbc	bcb	bbc	55	42	34	–	–	–	–	8.4
Roches Point	or₀r₀	r₀r₀	cbc	bwb₀	56	41	-·-	2	0.1	<0800	–	-·-
Pembroke (St. Ann's H.)	0pr	oo	oo	oo	50	44	•	0.6	0.3	<0800	–	0.7
Ross-on-Wye	rr	om	crom	omdm	49	43	43	3		<0800	0530	0.0
Benson	ido	orr	Rr₀o	oror	50	44	43	18	6	1530	<2100	•
Andover	or₀o	ocopr	oorr	orrdd	58	43	42	0.1	3	0900	2200	0.9
S. Farnborough	coirm	omro	oorr	oorr	55	43	44	1	10	<0800	<2100	0.4
London (Kew Obsy.)	mroc	opo	ornd[illegible]	orrdm	56	45	44	2	11	0900	<2100	1.5
Croydon	or₀phm	ocrr	o RR	omrr	58	44	44	1	10	<0800	<2100	2.4
Clacton-on-Sea	bcc	cogd	ogpog	ogr	56	45	45	Trace	6	17.30	<2100	7.7
Shoeburyness	ocbc	bcopro	orr	orr	57	44	44	0.1	12	16.30	<2100	4.8
Grain	omdbc	cour₀	r₀Rr	RRo	56	45	45	0.4	17	16.30	<2100	5.0
Lympne	ocpor	corr	orrm	orrm	56	44	43	0.4	15	16.30	<2100	3.0
Scilly (St. Mary's)	orrq	omir	om	olm	51	45	•	4	0.5	<0800	<2100	0.0
Falmouth (Pendennis)	omdoc	oc	oc	ocmr	49	46	•	1	0.2	1100	0230	0.0
Plymouth (Cattewater)	oo	ob	bcb	borr	52	46	44	Trace	5	0900	0230	1.5
Portland Bill	pr	or	opr	ro	?	?	•	1	?	1730	?	•
Southampton (Calshot)	omr₀g	orL	orrm	r-d	56	44	44	5	10	<0800	2200	2.2
Dungeness	c	c	r-d	orr	56	45	•	–	14	–	<2100	•
Jersey	c	cbcc	oco	oddo	56	44	•	–	0.4	–	0430	2.0



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	28th 1000	Hibernia	NNE	5	o	48	48	7
3	29th 0200	Arundel	NNE	4	rr	49	52	7

GENERAL INFERENCE.

The large anticyclone centred off the N.W. Coasts will maintain fair weather with a rising day temperature over most of the British Isles. A small depression centred over Flanders and tending to move west, will however cause a good deal of cloud and further rain today over the southern districts of England.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday 29th May, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind Northeasterly to easterly, light or moderate, fresh locally; much cloud, some rain, improving later; some mist; cool today, temperature probably rising somewhat tomorrow.	None issued.
4. W. Midlands 5. S.W. England 6. South Wales	Wind mainly northeast, moderate, fresh in places; a good deal of cloud, some rain; visibility poor at times; cool.	
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind northeasterly, moderate, fresh in places; mainly fair; visibility good; day temperature rising somewhat.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Light or moderate winds, mainly northerly or northeasterly; fair; visibility good, apart from morning mist; day temperature rising, but ground frost in places at night.	MAF.

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0915 GMT. G. C. SIMPSON, F.R.S., Director.

§ For Code see opposite page.

SYNOPTIC CHART FOR MORNING OF TUESDAY, 29TH MAY, 1923.

Scale - 1:10,000,000

Nautical Miles. 100 0 100 200

Statute Miles. 100 0 100 200

Bar.

Steady

Barometer

Falling

Slightly

Barometric

Changes

Slight

Rising

Slowly

Bar.

LOW

HIGH

1016

1018

1020

1022

1024

1026

1028

1030

1032

1034

2 46 Fine

2 45 Fine

0 43 Fine

5 46 O'cast.

21 37 O'cast.

2 46 Cloudy

0 48 O'cast.

15 44 O'cast.

"MONTROSE" 2 49 Sea 52 Fair

5 50 Fine

0 42 Fine

10 45 O'cast.

2 55 Fine

21 51 Fair

15 49 Fine

21 46 Cloudy

27 49 O'cast.

10 52 O'cast.

2 50 Fair

15 47 Cloudy

5 48 O'cast.

5 52 Fair

15 42 Rain

10 49 O'cast.

0 50 Fine

2 46 Fine

2 46 O'cast.

2 46 Fair

2 46 Fine

2 48 O'cast.

Low Cloud.

TEMPERATURE WEATHER, SEA

EXPLANATION

BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. Direction is shown by arrows flying with the wind. Force, on the scale 0–12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles

TEMPERATURE is given in °F

WEATHER SYMBOLS: ○ clear sky, ◐ sky ¼ clouded; ◑ sky ½ clouded; ◕ sky ¾ clouded; ● overcast sky; • rain falling; * snow; * sleet; ▲ hail; ≡ fog; =° mist; T thunder; R thunderstorm.

SEA DISTURBANCE: ~~~ Rough; ≈≈≈ High

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

0.	Dense fog. Objects not visible at	55	yards.
1.	Rather thick fog "	220	"
2.	Very bad "	550	"
3.	Bad "	1,100	"
4.	Very poor "	1¼	miles.
5.	Poor "	2	"
6.	Moderate "	6½	"
7.	Good "	12	"
8.	Very good "	31	"
9.	Excellent. "	beyond 31	"

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

...5TH MAY 1923.

...ric Change from ... (Half millibars)

...rs.

	Temp. Air.	Sea.	Visibility
	48	48	7
	49	52	7

...centred
...maintain
...ng day
...the
...epression
...d tending
...er cause
...further
...hern

...Outlook.

...ssued.

...S., Director.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4. BRITISH SECTION.... TUESDAY, 29TH MAY .....1923. No. 149..

Observations at 0100 G.M.T.... 29th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1029.9	0	NW	1	o-	44	75	7	-	-	0	A.St	9	*
Stornoway	1028.4	0	NE	3	b-	*	*	6	*	*	*	*	*	*
Wick	1029.6	0	NW	1	bc	42	92	8	5700	St.Cu	4	-	4	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1028.1	0	S	1	b	44	92	8	-	-	0	-	0	*
Renfrew	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh(Inchkeith)	1028.5	-1	ENE	3	b-	42	92	8	-	-	0	C.St	1	*
Leuchars	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	1026.3	+2	NNE	4	0	45	86	7	4000	St.Cu	10	-	10	*
Blacksod Point ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	1024.7	0	NE'N	4	0	47	85	8	1500	St.Cu	10	-	10	*
Liverpool (Bidston)...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1021.5	0	N	7	o	47	87	7	-	-	0	A.St	10	*
Birmingham (Edgbaston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1021.7	0	NNE	4	odd	45	91	6	800	Nb	10	-	10	*
Gorleston	1019.3	0	NNE	5	0	47	85	7	4000	Nb	5	A.St	10	*
Valencia (Cahirciveen)	1028.1	0	NE	2	b-	47	92	8	-	-	0	-	0	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke(St.Ann's H.)	1023.0	+1	NNE	3	0	45	85	5	2500	St.Cu	9	-	9	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)....	*	*	*	*	*	46	*	*	*	*	*	*	*	*
Croydon	1020.0	0	N'E	3	orr	45	92	6	800	Cu.Nb	10	-	10	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness... ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1017.7	0	N	4	orr	44	91	5	800	Nb	10	-	10	*
Scilly (St. Mary's) ...	1021.0	+1	ENE	4	0	49	92	6	4000	St.Cu	10	-	10	*
Falmouth (Pendennis)	1021.0	+2	NNE	3	o+	47	85	7	4000	St.Cu	10	-	10	*
Plymouth(Cattewater)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1019.6	?	NE	4	?	48	85	6	-	?	?	?	?	?
Southampton(Ca.shot)	1020.4	+2	NNE	3	orr	47	92	6	2500	Nb	8	A.St	10	*
Dungeness	1018.4	+1	NE	4	orr	47	91	7	4000	Nb	10	-	10	*
Jersey 7h}... ...														
Guernsey 1h}														

Observations at 0700 G.M.T.... 29th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1026.3	-2	N	1	c-	46	85	7	-	-	0	A.Cu	7	0
Stornoway	1030.6	-1	-	0	o+	48	85	7	800	St	10	-	10	0
Wick	1028.7	-1	NW	1	o	46	92	8	5700	St.Cu	10	-	10	0
Castlebay	1031.0	+1	NNW	4	c	46	85	8	2500	St	7	-	7	*
Nairn	1030.0	*	ENE	1	bc+	45	85	8	4000	Cu	2	Cu.Cu	5	*
Aberdeen	1029.5	0	N	4	o	44	85	8	2500	St.Cu	10	-	10	1
Malin Head	1028.8	0	N	2	b+	50	85	8	-	-	0	C.St	3	1
Renfrew	1029.7	0	-	0	b	42	92	4	-	-	0	C.St	3	*
Edinburgh(Inchkeith)	1028.6	+1	E	2	b	45	85	8	-	St	2	-	2	1
Leuchars	1028.3	0	SE	2	b	45	75	7	-	-	0	C	5	*
Eskdalemuir	1028.2	0	NE	5	bc	44	75	7	4000	Cu	5	-	5	*
Tynemouth	1026.8	+1	NNE	3	0	45	92	6	4000	St	10	-	10	3
Blacksod Point ...	1029.0	0	WNW	5	bc	51	85	7	-	Cu.Nb	5	-	5	4
Donaghadee	1027.8	0	NE	4	b-	47	75	8	-	-	0	C	2	4
Birr Castle	1028.1	*	NNE	2	bc-	44	85	6	2500	St.Cu	4	C.Cu	6	3
Holyhead	1025.6	+2	NE'E	4	b-	49	75	8	7200	St.Cu	2	A.St	3	6
Liverpool (Bidston)...	1025.2	+1	NNE	3	bc-	44	75	8	2500	Cu	4	A.Cu	6	9
Chester (Shotwick) ...	1025.0	+1	N'E	4	o-	47	75	6	2500	St.Cu	8	A.Cu	9	4
Spurn Head	1023.3	+1	NNE	7	o-	47	85	7	4000	St.Cu	9	-	9	4
Birmingham (Edgbaston)	1022.5	+1	NE	5	o	42	85	5	1500	St	10	-	10	*
Nottingham	1022.3	+1	NE	5	c	46	85	7	1500	St.Cu	7	C.St	8	*
Cranwell	1022.6	0	NNE	6	c-	45	85	8	800	St	6	C.St	7	*
Gorleston	1018.7	-1	N'E	6	o	49	92	6	2500	Nb	10	-	10	4
Valencia (Cahirciveen)	1023.4	+1	ENE	1	bc+	50	75	8	2500	St.Cu	4	-	4	0
Roches Point	1025.5	0	N	3	o	46	85	8	4000	St.Cu	10	-	10	0
Pembroke(St.Ann's H.)	1022.4	-1	NE	4	c	47	85	7	2500	St	8	-	8	3
Ross-on-Wye	1024.6	+1	NNE	4	o/r	44	92	5	800	St	10	-	10	*
Benson...	1019.7	0	N	4	or	45	97	6	1500	St	10	-	10	*
Andover	1019.5	-1	N	4	odd	46	97	6	450	Nb	10	-	10	*
S. Farnborough ...	1018.7	-2	N	2	odd	46	97	5	800	Nb	10	-	10	*
London (Kew Obsy.)....	1018.6	-1	N'E	2	o/r	48	92	6	1500	Nb	10	-	10	*
Croydon	1018.6	-1	NNE	3	orr	46	97	5	450	Nb	10	-	10	*
Clacton-on-Sea ...	1019.3	0	NNE	3	o/r	48	92	7	2500	St	10	-	10	1
Shoeburyness... ...	1019.6	0	N'E	3	odr	47	92	7	1500	St	10	-	10	*
Grain	1019.8	0	N'E	4	dRR	47	97	6	450	Nb	10	-	10	0
Lympne	1016.8	0	N	4	orr	47	97	5	450	Nb	10	-	10	*
Scilly (St. Mary's) ...	1021.4	0	NNE	4	or	49	92	6	2500	Nb	10	-	10	4
Falmouth (Pendennis)	1021.1	+1	NNE	3	ory	47	85	6	4000	Cu	10	-	10	0
Plymouth(Cattewater)	1019.8	+1	-	0	orr	47	92	6	<150	Nb	10	-	10	2
Portland Bill	?	0	NE	2	orr	46	?	?	1500	Nb	10	-	10	?
Southampton(Ca.shot)	1019.2	-1	N'W	3	orr	46	92	6	2500	Nb	10	-	10	4
Dungeness	1016.9	0	NNE	3	orr	48	97	7	2500	St	10	-	10	0
Jersey 7h}... ...														
Guernsey 1h}	1018.4	0	NE	3	o/r	49	92	7	1500	Nb	10	-	10	0

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 28TH MAY

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night, 27-28. °F.	Temperature. Max. Day. 28. °F.	Rainfall.† Night 17h.-9h. 27-28. mm.	Rainfall.† Day 9h.-17h. 28. mm.	Sunshine. Sunrise to 17h. 28. hr.	Sunshine. Sunrise to Sunset. 27. hr.
Montrose	*	*	42	53	-	-	8.8	3.8
Llandudno	oddo	do	45	49	4	1	0.0	6.6
Colwyn Bay ...	cp	cp	44	48	5	1	0.7	5.4
Rhyl...	rco	cpoc	44	50	6	2	0.2	6.1
Southport	aro	odo	43	48	2	1	0.0	5.0
Blackpool	co	o	44	51	2	-	0.0	4.6
Ilkley	dRpc	o	41	46	5	-	0.0	5.9
Harrogate	aro	o	39	45	9	0.3	0.0	5.4
Skegness	o	c	43	50	?	Trace	1.2	4.5
Aberystwyth ...	aco	o	44	51	-	-	0.2	2.0
Bath	ro	op	45	51	2	-	0.0	6.8
Leamington Spa ...	op	o	41	50	6	0.1	0.0	2.5
Lowestoft	ocbcc	co	46	54	0.2	-	3.9	0.0
Felixstowe	bc	coq	44	55	1	-	6.5	0.0
Southend	ocbc	bcco	44	53	-	-	4.3	0.2
Ilfracombe	orr	ord	46	50	4	1	0.0	6.7
Bude	c	c	45	57	-	-	0.1	5.6
Penzance	oo	or	46	49	1	1	-	-
Paignton	opd	occ	45	53	1	-	0.3	7.1
Torquay	c	c	45	52	1	-	6.6	0.4
Weymouth	o	o	43	58	-	-	1.5	4.6
Bournemouth ...	p.	p.	43	57	-	0.3	1.4	2.9
Portsmouth (S'thsea)	dc	tR	41	58	-	9	1.3	0.9
Worthing	o	dr	40	56	-	4	1.9	2.4
Brighton	o	phro	41	56	-	2	2.0	0.4
Eastbourne... ...	cbc	bcco	42	56	0.1	-	5.6	0.5
Hastings	cobbc	bbcco	42	56	1	-	5.9	0.0
Folkestone	r	bc	45	57	17	-	5.4	0.0
Tunbridge Wells ...	oope	coor	42	58	1	7	0.8	2.1
Ramsgate	bcb	bbcor	45	56	-	1	4.5	2.8
Margate	cb	or	46	55	1	2	5.2	2.0
Deal	orcrb	bcor	45	56	6	2	4.6	0.9

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm ‡ For code see page 8. § See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22469 WEDNESDAY, 30TH MAY....1923.

Observations at 1300 G.M.T....29th.....

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1026·0	0	N	1	0	50	65	8	-	-	0	A.Cu	10	*
Stornoway	1029·0	-2	NE	2	0	50	85	7	800	St.	10	-	10	*
Wick	1027·4	-1	NNW	1	0/c	49	85	8	4000	Cu Nb	10	-	10	*
Castlebay	1029·7	0	NW	4	0	50	75	8	1500	St.	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1028·5	-1	NNE	3	0+	50	75	8	2500	St.Cu	10	-	10	0
Malin Head	1029·0	0	N	4	bc	49	85	9	4000	Cu	3	Ci.Cu	5	*
Renfrew	1026·4	-3	ESE	2	b	51	55	6	-	-	0	-	0	0
Edinburgh (Inchkeith)	1027·9	-2	E	2	b	49	85	8	*	St.Cu	3	-	3	*
Leuchars	1027·4	-2	E	3	b	52	65	8	5700	St.Cu	3	-	3	0
Eskdalemuir	1026·8	-1	NE	5	b	51	65	7	4000	Cu	2	-	2	0
Tynemouth	1026·8	0	NNE	3	0	47	85	7	4000	St.Cu	10	-	10	*
Blacksod Point ...	1028·0	+1	WNW	5	bc	52	85	8	*	-	-	Ci	4	*
Donaghadee	1026·6	-1	NNW	2	b	55	65	8	-	-	0	Ci	1	*
Birr Castle	1026·0	*	NE	2	bc	60	55	8	4000	St.Cu	4	-	4	*
Holyhead	1024·9	-1	NEN	4	b-	52	75	6	7200	St.Cu	1	Ci.St	2	0
Liverpool (Bidston) ...	1023·5	-2	NE	3	bc	56	55	7	2500	Cu	5	-	5	*
Chester (Shotwick) ...	1023·8	-2	NNE	4	c-	57	65	6	2500	Cu	2	Ci.St	7	1
Spurn Head	1022·4	0	NNE	7	c	51	75	7	2500	Cu	8	-	8	*
Birmingham (Edgbaston)	1021·1	-1	NE	6	0	53	65	5	4000	St.Cu	9	-	9	1
Nottingham	1022·4	0	NE	5	bc+	52	75	8	2500	St.Cu	4	Ci.St	6	*
Cranwell	1022·7	0	NNE	6	0	49	75	8	2500	St.Cu	10	-	10	0
Gorleston	1018·9	0	NE'N	5	orr	48	97	6	2500	Nb	10	-	10	*
Valencia (Cahirciveen)	1026·3	-2	N	4	bc	57	65	8	2500	Cu	1	A.Cu	4	0
Roches Point	1024·2	-1	NE	4	c	60	65	8	4000	Cu	7	-	7	*
Pembroke (St.Ann's H.)	1021·9	-1	N	5	bc	55	65	7	2500	St.Cu	3	Ci	6	*
Ross-on-Wye	1020·4	-2	NE	5	0	53	65	6	1500	St.	10	-	10	0
Benson	1018·9	-1	NNE	5	o/r	48	85	6	-	St	10	-	10	1
Andover	1019·2	-1	NE	4	orr	47	92	6	800	Nb	10	-	10	2
S. Farnborough ...	1018·2	-1	N	4	orr	47	97	4	450	Nb	10	-	10	2
London (Kew Obsy.) ...	1017·9	-2	NE	4	odd	50	85	6	1500	Nb	10	-	10	2
Croydon	1017·9	-1	NE	3	orr	49	97	5	225	Nb	10	-	10	2
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1017·7	+1	NE	4	o/r	53	85	8	1500	St.Cu	7	A.St	10	x
Grain	1017·5	0	NE	4	o/r	52	85	8	800	St	10	-	10	1
Lympne	1016·6	0	NW	3	o/r	51	92	7	800	Nb	10	-	10	2
Scilly (St. Mary's) ...	1021·0	0	NE	4	mmg	55	75	6	4000	St.Cu	10	-	10	*
Falmouth (Pendennis)	1021·4	-1	NE	4	o/r	51	85	7	4000	St.Cu	10	-	10	*
Plymouth (Cattewater)	1020·1	0	NNE	4	0-	50	85	7	1500	St.	10	-	10	2
Portland Bill	1018·8	-	NNW	4	or-	47	85	6	2500	Nb	10	-	10	*
Southampton (Calshot)	1018·5	+1	NE	3	orr	49	92	6	1500	Nb	10	-	10	1
Dungeness	1017·1	0	SW	3	ORR	49	97	7	2500	Nb	10	-	10	*
Jersey	1017·9	0	N	3	o/r	52	85	8	1500	Nb	10	-	10	*

Observations at 1800 G.M.T....29th.....

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea 0-9
Lerwick	1025·6	-1	N	2	o	46	75	8	5700	St.Cu	5	Ast	10	0
Stornoway	1027·9	-1	NE	2	o	49	85	7	800	St	10	-	10	1
Wick	1026·7	-1	NNW	2	o	48	92	8	5700	St.Cu	10	-	10	0
Castlebay	1027·8	-2	NW	4	c-	49	85	8	2500	St.Cu	8	-	8	3
Nairn	1027·0	-	-	0	c+	50	75	8	4000	Cu	2	ACu	8	*
Aberdeen	1026·8	-1	N	2	o-	50	75	8	1500	St.Cu	9	-	9	1
Malin Head	1027·2	-2	N	4	c+	48	92	8	4000	Cu	7	-	7	1
Renfrew	1025·2	-1	E	3	b	54	65	7	-	-	0	-	0	*
Edinburgh (Inchkeith)	1025·9	-2	ESE	2	bc	52	75	8	-	-	0	ACu	4	3
Leuchars	1026·1	-1	ESE	4	o+	48	75	8	4000	St.Cu	3	-	9	*
Eskdalemuir	1025·4	-2	NE	4	bc	48	65	7	2500	St.Cu	6	-	6	*
Tynemouth	1025·7	-1	NNE	3	o	47	85	7	4000	Cu	10	-	10	3
Blacksod Point ...	1028·5	-2	WNW	6	c	49	75	8	-	Cu Nb	7	-	7	6
Donaghadee	1026·2	-2	NNE	2	b	53	75	8	-	-	0	-	0	2
Birr Castle	1023·5	-	NE	2	bc/r	63	55	8	-	St.Cu	2	Ci.Cu	4	*
Holyhead	1022·7	-3	NEN	4	b	52	75	7	-	-	0	ASt	1	3
Liverpool (Bidston) ...	1022·1	-1	NE	4	b	52	55	6	4000	Cu	1	ASt	2	4
Chester (Shotwick) ...	1022·8	0	NE	4	b+	53	65	6	4000	St.Cu	2	Ci	3	*
Spurn Head	1022·6	0	NNE	6	o	47	85	7	2500	St.Cu	10	-	10	5
Birmingham (Edgbaston)	1021·3	0	NE	5	o	48	75	6	2500	St.Cu	10	-	10	*
Nottingham	1022·2	0	NE	5	o	47	85	7	2500	St.Cu	10	-	10	*
Cranwell	1022·7	0	NNE	5	o	46	85	7	1500	St.Cu	10	-	10	*
Gorleston	1019·5	+1	NE'N	3	o/r	50	92	6	4000	Nb	10	-	10	1
Valencia (Cahirciveen)	1027·7	-2	N	4	b-	60	55	8	2500	Cu	1	ACu	2	3
Roches Point	1022·6	-1	ESE	3	b-	59	55	8	-	-	0	Ci	1	3
Pembroke (St.Ann's H.)	1020·1	-1	N	5	bc	52	75	7	2500	St.Cu	3	Ci	5	3
Ross-on-Wye	1020·1	-1	NE	5	o	51	75	6	1500	St	10	-	10	*
Benson	1018·5	0	NNE	5	o/r	46	97	6	-	Nb	10	-	10	*
Andover	1018·2	-1	NE'N	5	orr	47	97	6	800	Nb	10	-	10	*
S. Farnborough ...	1017·9	0	NNE	4	o/r	48	97	4	450	Nb	10	-	10	*
London (Kew Obsy.) ...	1017·9	0	N	4	o/r	50	85	6	1500	Nb	10	-	10	*
Croydon	1018·2	+1	S	1	orr	47	97	5	450	Nb	10	-	10	*
Clacton-on-Sea ...	1017·9	0	ENE	4	c	52	85	7	2500	Nb	5	Ci	7	2
Shoeburyness	1017·2	-1	ENE	3	c-	52	85	8	1500	St.Cu	6	ACu	7	*
Grain	1017·2	0	W	1	o	52	92	8	1500	St.Cu	10	-	10	0
Lympne	1018·0	+1	WSW	1	c/r	49	85	7	1500	St	7	ACu	8	*
Scilly (St. Mary's) ...	1020·3	-1	NE'N	4	o	51	85	6	4000	St.Cu	10	-	10	4
Falmouth (Pendennis)	1020·4	0	-	0	o	49	85	6	4000	St.Cu	10	-	10	0
Plymouth (Cattewater)	1018·7	-3	-	0	o	48	92	6	4150	St	10	-	10	0
Portland Bill	1017·4	-1	NNW	2	or-	49	85	6	-	-	0	ASt	10	1
Southampton (Calshot)	1017·5	-1	ENE	3	orr	49	92	5	800	Nb	10	-	10	0
Dungeness	1018·1	0	SW	1	bc/r	50	92	8	-	-	0	ACu	4	3
Jersey	1017·4	0	N	3	o/r	49	85	8	2500	St.Cu	10	-	10	0

LONDON OBSERVATIONS.

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. in m. Day.	Rainfall. in m. Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 HOURS ENDED 0900 G.M.T. 30th.								YESTERDAY.		TO-DAY.
Kew } 24 hours ended 0700	ond	ondom	omdcm	*	*	41	2	1	0·0	*	*
Croydon }	orRR	omrr	omrfe	*	*	38	17	2	0·0	*	*
Greenwich (Royal Obsy.) ..	or	ord	ordm	51	43	39	8	TT	0·0	93	98
City (Bunhill Row)	*	*	*	*	*	*	*	*	0·0	*	*
Westminster (St. James' Pk.)	*	*	*	51	45	43	58		0·0	93	90
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*	0·0	*	*
Camden Square..	oor	oro	*	50	44	43	4	1	*	*	96
Kensington Palace	odr	odr	*	50	44	39	3	06	*	93(18h)	93
Hampstead Observatory ..	*	*	*	48	42	39	3	1	0·0	*	96

ATMOSPHERIC POLLUTION.
Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T....29th.

	Max.	Time.	Min.	Time.
South Kensington	0·6	20h 28m	0·3	1-3h 29th
	0·6	9h. 29th.		
Kew Observatory	0·4	19h. 28m	0·3	1h. 29th.
	0·5	7h. 29th.		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 29th. 21 h. 30 m. to 30th. 02 h. 30 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	5. 0	01 30	30
δ Ursae Minoris }	5. 0	01 00	20

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer.
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.†

Time.	Type.	No. per 4 sec.	Strength.	Direc.
13h.	Cq	6	-	25°
18h.	Cq	4	-	10°
01h.	Cf	6	-	135°
07h.	Cf	6	-	120°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

30th & 31st MAY, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth ...	3.40	11.50	8.0
	3.39	11.50	8.1
Greenwich ...	3.52	11.57	8.2
	3.51	11.57	8.3
Wick	3.20	12.9	8.58
	3.19	12.9	8.59
Valencia ...	4.32	12.38	8.44
	4.31	12.38	8.45

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
jp precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
x unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.

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; i = intermittent; - = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail".
Capital letters indicate intense. suffix o indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
rr = continuous moderate rain.
$r_{o}r_{o}$ = continuous light rain.

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

SEA DISTURBANCE.

0=no swell } Calm or
1=mod. swell } slight
2=heavy swell } sea.
3=no swell }
4=mod. swell } Moderate
5=heavy swell } sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

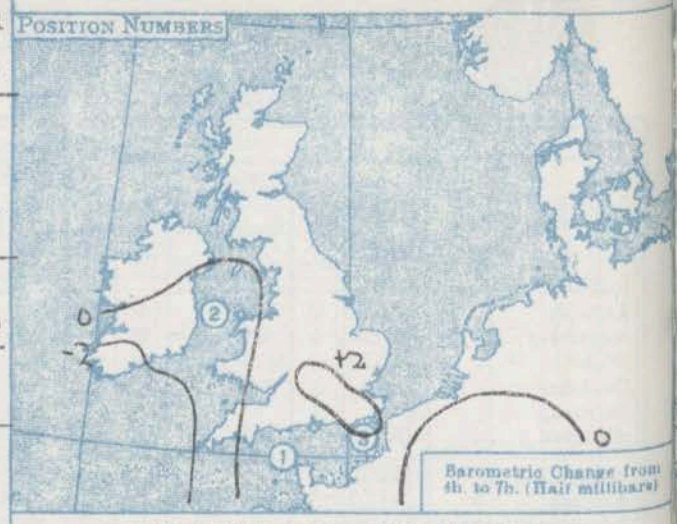
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-19
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

† For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 2.

SUMMARIES FOR THE PAST 24 HOURS.

Stations.	Weather. 7h.-13h. 29th	Weather. 13h.-18h. 29th	Weather. 18h. 29th to 1h. 30th	Weather. 1h.-7h. 30th	Temperature. Max. Day. 7h.-18h.	Temperature. Min. Night. 18h.-7h.	Temperature. Min. on Grass	Rainfall.† Day. 7h.-18h. mm.	Rainfall.† Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	Sun. 29th Hours.
Lerwick	00	0	0	0q	52	40	•	—	Trace	—	<2100	1·9
Stornoway	00	0	c	00	51	45	•	—	-	—	-	0·2
Wick	0p0	0	0p	0imid	52	43	•	trace	0·2	1100	2400	•
Castlebay	c0	0	0cbw	b	52	46	•	—	-	—	-	5·0
Nairn	bccg	cg	cg	cbg	—	43	•	—	0·2	—	-	2·4
Aberdeen	00	0	0	00pr0	51	43	41	—	0·1	—	0630	0·1
Malin Head	bcv	bccov	cotcq	bccq	51	43	•	—	-	—	-	11·9
Renfrew	bm3y	b3yb	bo	om	61	45	44	-	-	—	-	13·0
Edinburgh(Inchkeith)	b	bc	00	id0	53	43	43	—	trace	—	-	12·6
Leuchars	bcb	bb0	00	00	53	44	40	—	-	—	-	11·4
Eskdalemuir	bcb	bbc	00	00d0	52	40	40	—	0·1	—	0630	12·1
Tynemouth	00	0	00	00	47	44	42	—	-	—	-	•
Blacksod Point	c	c	c	c	52	43	•	—	-	—	-	•
Donaghadee	bc	b	bc	0	55	47	•	—	-	—	-	•
Birr Castle	c0bc	bc	bcc0	bcc0	64	39	30	—	-	—	-	•
Holyhead	b	bb	bbcc0	c0	53	43	41	—	-	—	-	13·8
Liverpool (Bidston)	b.bc	b	0m	0m	57	43	39	—	-	—	-	11·2
Chester (Shotwick)	cc3	cbz	bbc0m	0m	58	43	39	—	-	—	-	10·7
Spurn Head	c	c	00	0d00	52	44	•	—	0·2	—	0230	5·0
Birmingham (Edgbaston)	c	0	c0m	0d0f	53	42	41	—	0·3	—	0430	0·6
Nottingham	c	c	0r0	00	53	43	42	—	0·5	—	2300	6·0
Cranwell	0c0	0	0r0d	00	51	42	42	—	1	—	2100	2·1
Gorleston	0grrm	0rrp0	0n0	00	51	48	46	1	—	1100	-	0·0
Valencia (Cahirciveen)	bc	bcby	b	bbcc	60	46	42	—	-	—	-	14·8
Roches Point	cbbc	bcb	bw	b0	60	43	-x-	—	Trace	—	-	-x-
Pembroke (St. Ann's H.)	c	c	c	b	56	43	•	—	1	—	0430	8·5
Ross-on-Wye	0m0m0	m0c0m	0m0gr	0rm0m	53	43	42	—	2	—	<2100	0·1
Benson	r00	r	ir00	0c	49	44	38	3	1	1330	<2400	•
Andover	0bmrr	0rrm	0rrm0n	0mg	48	41	36	2	0·6	<0800	<2100	0·0
S. Farnborough	0riR	0arr	0rrm	00	49	42	45	12	7	<0800	<2100	0·0
London (Kew Obsy.)	0md	0md0m	0m0de0r	0m0m	50	44	41	2	1	<0800	<2100	0·0
Croydon	0mfRR	0mrr	0mrrf	0fe	53	41	38	17	2	<0800	<2100	0·0
Clacton-on-Sea	0grog	0ge	c.bc	bcc0f	54	44	38	6	-	<0800	-	0·5
Shoeburyness	0r0ro	0c	cbc.bbc	c0m	55	37	30	10	trace	<0800	-	0·2
Grain	RR0	0	0cb0wc	bwF0m	54	34	31	9	0·1	<0800	-	0·1
Lympne	0rr0m	0rro	cbcf	bf0m	51	40	30	17	trace	<0800	-	1·6
Scilly (St. Mary's)	0m	c0m	0c0m	c0m0	55	47	•	0·3	—	<0800	2	2·4
Falmouth (Pendennis)	0pr	0cpr		0m0	52	45	•	1	2	1330		0·0
Plymouth (Cattewater)	00	0rm		0rrm	51	46	43	1	4	<0800	0130	0·0
Portland Bill	r	r	c0	c	52	46	•	5	0·2	1230	0130	
Southampton (Calshot)	0rrc0r	0rrm	0r0c	f-m	49	41	40	10	1	<0800	<2100	0·0
Dungeness	rr	r	bbc	bbc	51	39	•	12	-	<0800	-	
Jersey	0c0p0	0p0	0	0c0b	55	44	•	2	-	0900	-	0·0

ISALLOBARS. 30th MAY 1923.



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Equivalent
2.	29th 1800	Hibernia	N	6	bc	48	48	7
1	29th 1100	Reindeer	N	4	rr	49	52	5
3	30th 0200	Brighton	NE	3	bc-	52	54	8

GENERAL INFERENCE.

Pressure continues low over France and a secondary indicated in the Rhine area may move west and cause further rain later in the South of England. In other districts cool weather will continue with local showers.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday, 30th May, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England	Wind northeasterly, light or moderate; mainly cloudy, some further rain likely; some mist; cool.	None issued.
6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind north or northeast, light or moderate; variable sky, slight local rain or showers; visibility moderate or good; rather cool.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0900 GMT G. C. SIMPSON, F.R.S., Director.

§ For Code see opposite page.

SYNOPTIC CHART FOR MORNING OF Wednesday, 30TH MAY, 1923.

Scale - 1:10,000,000

Nautical Miles 100 0 100 200

Statute Miles 100 0 100 200

Low Cloud.

TEMPERATURE
WEATHER
SEA

Falling Slowly

H I G H

Barometer Changes And Irregular

Barometric Slight

LOW

LOW

"MELITA"

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

EXPLANATION

BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. Direction is shown by arrows flying with the wind. Force, on the scale 0—12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles

TEMPERATURE is given in ° F

WEATHER SYMBOLS: ○ clear sky, ◐ sky ¼ clouded; ◑ sky ½ clouded; ◕ sky ¾ clouded; ● overcast sky; ● rain falling; ✱ snow; * sleet; ▲ hail; ≡ fog; =° mist; T thunder; R thunderstorm.

SEA DISTURBANCE: ~~~ Rough, ≈≈≈ High.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

0.	Dense fog. Objects not visible at	55	yards
1.	Rather thick fog "	330	"
2.	Very bad "	660	"
3.	Bad "	1,100	"
4.	Very poor "	1¼	miles.
5.	Poor "	2½	"
6.	Moderate "	6	"
7.	Good "	12	"
8.	Very good "	31	"
9.	Excellent. "	beyond 31	"

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4. BRITISH SECTION.....WEDNESDAY, 30TH MAY.....1923. No. 150

Observations at 0100 G.M.T. 30TH

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Cloud. Sea. 0-9
Lerwick	1023·3	-3	N.	2	0	44	75	6	5700	St Cu	3	A St	10	•
Stornoway	1027·6	-1	N	2	0	•	•	5	•	•	•	•	•	•
Wick	1024·3	-1	NNW	2	o/c	44	97	8	4000	Cu Nb	6	A St	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1024·3	-2	N	4	b	47	92	8	4000	Cu	2	-	2	•
Renfrew	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	1025·2	-1	E	1	o d/d	45	97	8	-	St	6	A St	10	•
Leuchars	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	1025·4	0	NE	2	o	45	85	7	4000	St Cu	10	-	10	•
Blacksod Point ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	1025·0	0	NE	4	c	45	85	8	-	-	0	A St	7	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1025·8	-1	NNE	4	o	46	92	7	-	-	0	A St	10	•
Birmingham (Edgbaston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1024·1	0	N'E	3	d/d	43	97	6	800	Nb	10	-	10	•
Gorleston	1025·3	0	NE	2	o	49	97	6	5700	St Cu	10	-	10	•
Valencia (Cahirciveen)	1025·4	-5	NE	3	b c+	47	87	9	-	Cu Nb	4	-	4	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1025	-1	NE	3	o	45	85	8	2500	St Cu	10	-	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	•	•	•	•	•	47	•	•	•	•	•	•	•	•
Croydon	1025·0	0	-	0	o/c	42	97	3	4150	St	10	-	10	•
Cleeton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1026·7	+1	ENE	3	b	43	92	5	-	-	0	-	0	•
Scilly (St. Mary's) ...	1024·1	-1	E'N	3	c	50	92	6	4000	St Cu	8	-	8	•
Falmouth (Pendennis)	1025·9	-1	NE	4	o p c	48	85	7	4000	St Cu	10	-	10	•
Plymouth (Cattewater)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	1025·9	+2	ESE	3	o-	49	88	7	2500	St Cu	5	A St	9	•
Southampton (Calshot)	1025·1	-1	NE	3	c/r	47	92	7	-	-	0	A St	7	•
Dungeness	1026·6	+1	E	2	b-	48	97	8	450	St	2	-	2	•
Jersey 7h }														
Guernsey 1h }														

Observations at 0700 G.M.T. 30TH

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Cloud. Sea. 0-9
Lerwick	1023·7	0	NNE	3	0	42	86	7	-	-	0	A St	10	2
Stornoway	1026·8	+1	NE	2	0	46	92	7	800	St	10	-	10	1
Wick	1024·3	-2	N	3	o/r	45	97	8	2200	St	9	-	9	0
Castlebay	1025·2	0	NE	3	b	50	78	8	4000	Cu	1	-	1	3
Nairn	1025·5	•	•	0	c	45	92	8	1500	St	7	-	7	•
Aberdeen	1024·9	+1	N	3	o/p	46	92	7	2500	Nb	10	-	10	0
Malin Head	1023·7	0	E	1	0	48	85	8	1500	St Cu	10	-	10	10
Renfrew	1024·7	0	NE	3	0	47	85	6	2500	St	10	-	10	•
Edinburgh (Inchkeith)	1024·1	+1	ENE	3	o d.	45	92	8	-	St	10	-	10	2
Leuchars	1024·3	0	ENE	4	0	46	92	7	1500	St	10	-	10	•
Eskdalemuir	1024·0	0	NE	4	o d/d	42	92	6	1500	Nb	10	-	10	•
Tynemouth	1023·4	0	NE	2	0	46	85	7	4000	Nb	10	-	10	2
Blacksod Point ...	1023·4	?	?	?	0	48	75	7	-	-	0	A St	10	4
Donaghadee	1023·2	0	SW	4	c-	47	75	8	2500	St	8	-	8	4
Birr Castle	1022·2	•	NE	1	o+	44	97	7	2500	Cu	3	-	9	•
Holyhead	1022·2	0	NE'E	4	o+	47	85	7	4000	St	10	-	10	3
Liverpool (Bidston) ...	1021·1	-1	NE'E	2	o+	44	85	4	1500	St	10	-	10	3
Chester (Shotwick) ...	1021·4	+1	NE	2	o	45	85	6	1500	St	10	-	10	•
Spurn Head	1021·5	0	ENE	3	o/r	47	92	7	1500	St Cu	10	-	10	3
Birmingham (Edgbaston)	1020·5	+1	ENE	4	d/d	43	97	2	800	Nb	10	-	10	•
Nottingham	1020·7	0	ENE	3	0	45	92	6	2500	Nb	10	-	10	•
Cranwell	1021·6	0	NE'N	3	0	45	97	6	450	St	10	-	10	•
Gorleston	1022·0	0	NE'N	4	0	43	92	6	4000	St Cu	10	-	10	0
Valencia (Cahirciveen)	1021·2	-2	ENE	4	c+	49	75	8	2500	St Cu	3	Cu Cu	8	3
Roches Point	1020·2	0	NNE	3	0	46	85	8	-	-	0	A St	10	0
Pembroke (St. Ann's H.)	1019·8	-1	NE	4	0	45	85	7	2500	St Cu	10	-	10	3
Ross-on-Wye	1019·7	0	E'N	2	o/r	44	97	4	450	St	10	-	10	•
Benson	1018·8	+2	NE	2	c-	49	85	7	-	Cu	7	-	7	•
Andover	1018·9	+2	NE'E	3	b-	46	97	7	1500	St	6	-	6	•
S. Farnborough ...	1018·8	+1	NE	2	no	45	97	4	450	St	10	-	10	•
London (Kew Obsy.) ...	1019·5	+1	NNE	1	0	46	92	4	2500	St	10	-	10	•
Croydon	1019·3	+1	NE	1	f f o	45	97	2	4150	St	10	-	10	•
Cleeton-on-Sea ...	1019·0	+1	NE	3	o+	48	97	6	2500	St	10	-	10	1
Shoeburyness	1018·4	+1	NE	2	NNW	48	85	6	1500	St	10	-	10	•
Grain	1019·3	+1	NE'N	4	0	48	97	6	450	St	10	-	10	0
Lympne	1018·0	+1	N'E	4	c·	49	97	5	450	St	8	-	8	•
Scilly (St. Mary's) ...	1015·7	-1	ENE	4	0	49	85	8	4000	St Cu	10	-	10	4
Falmouth (Pendennis)	1016·4	-2	NE	5	o d.	47	92	7	4000	St Cu	10	-	10	0
Plymouth (Cattewater)	1016·3	+1	E	2	o r r	47	97	6	2150	Nb	10	-	10	1
Portland Bill	1017·0	0	NE	4	bc-	49	78	7	1500	St Cu	6	-	6	0
Southampton (Calshot)	1018·4	+1	N	2	m b-	46	92	6	2500	St	1	-	1	3
Dungeness	1018·1	+2	NE	3	b-	51	92	7	-	-	0	-	0	0
Jersey 7h }	1016·1	0	NW	3	bc	51	85	8	4000	St Cu	4	-	4	0
Guernsey 1h }														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 29TH MAY

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 28th-29th. °F.	Temperature. Max. Day. 29th. °F.	Rainfall.† Night 17h.-9h. 28th-29th. mm.	Rainfall.† Day 9h.-17h. 29th. mm.	Sunshine. Sunrise to 17h. 29th. hr.	Sunshine. Sunrise to Sunset. 28th. hr.
Montrose	*	*	39	53	-	-	4·6	11·6
Llandudno	bcb	b	46	55	-	-	10·6	0·0
Colwyn Bay ...	bc	bc	45	56	-	-	9·7	0·0
Rhyl	bc	bc	46	59	-	-	11·6	0·2
Southport	bcb	b	42	58	-	-	12·0	0·0
Blackpool	bc	b	41	59	-	-	12·1	0·2
Ilkley	cbcic	b	41	51	trace	-	7·0	0·0
Harrogate	bc	bcc	40	50	-	-	7·5	0·0
Skegness	0	0	45	50	trace	-	0·0	1·5
Aberystwyth ...	bbc	b	46	62	-	-	3·0	0·7
Bath	go	ocg	45	56	1	-	1·1	0·0
Leamington Spa ...	bcb	o	42	52	04	-	0·8	0·0
Lowestoft	or o	opo	46	57	1	1	0·0	4·9
Felixstowe	omd	cpr	45	54	3	2	0·0	6·5
Southend	RR	oco	44	55	17	6	0·0	4·3

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 28th-29th. °F.	Temperature. Max. Day. 29th. °F.	Rainfall.† Night 17h.-9h. 28th-29th. mm.	Rainfall.† Day 9h.-17h. 29th. mm.	Sunshine. Sunrise to 17h. 29th. hr.	Sunshine. Sunrise to Sunset. 28th. hr.
Ilfracombe	c	oco	48	55	-	-	1·1	0·0
Bude	c	c	47	54	1	-	0·2	0·0
Penzance	oc	co	47	55	0·3	-	-	-
Paignton	orcp	orm	46	49	5	2	0·0	0·4
Torquay	c	r	46	49	6	1	0·0	0·4
Weymouth	oer	r	46	49	5	5	0·0	1·5
Bournemouth ...	or o	or o	43	48	9	4	0·0	1·4
Portsmouth (S'thsea)	orr	orr	44	49	17	11	0·0	1·3
Worthing	r	r	45	50	13	8	0·0	1·9
Brighton	r	r	45	50	18	4	0·0	2·0
Eastbourne	rr	rro	44	51	14	4	0·0	5·6
Hastings	ORR	oro	44	51	18	7	0·0	5·9
Folkestone	r	r	46	55	23	9	0·0	5·5
Tunbridge Wells ...	orr	orr	43	49	21	18	0·0	6·8
Ramsgate	RR	Robc	44	57	35	1	1·2	4·5
Margate	oro	c	46	55	21	0·1	0·5	5·2
Deal	orr	rcbcb	46	57	29	1	0·5	4·6

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm § For code see page 8. ‡ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22470 THURSDAY, 31ST MAY...1923.

Observations at 1500 G.M.T. 30th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1025·0	+3	NNE	4	0	47	75	7	-	-	0	A.St	10	*
Stornoway	1026·9	0	NE	3	b	51	85	8	4000	Cu	3	-	3	*
Wick	1025·3	+2	NNE	3	o/f	48	92	8	2500	St.	10	-	10	*
Castlebay	1024·9	0	NE	4	b	53	65	8	4000	St.Cu	1	-	1	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1024·5	0	NE	3	od.	46	92	7	1500	Nb	10	-	10	1
Malin Head	1023·6	+1	ENE	2	0	49	85	8	5700	St.Cu	10	-	10	*
Renfrew	1024·2	-1	E	2	0	50	75	6	2500	St	10	-	10	0
Edinburgh(Inchkeith)	1024·0	-1	E	2	od.	47	85	8	*	Nb	5	A.St	10	*
Leuchars	1023·8	0	ESE	2	0	47	92	8	2500	St.	10	-	10	0
Eskdalemuir	1023·4	0	ENE	4	0	46	75	8	4000	St.Cu	10	-	10	0
Tynemouth	1023·3	0	NE	2	c	50	85	7	4000	Cu.Nb	3	A.Cu	7	*
Blacksod Point ..	1022·3	-1	WNW	1	0	52	75	8	-	-	0	A.St	10	*
Donaghadee	1023·0	0	ENE	2	c	48	75	8	2500	St.Cu	8	-	8	*
Birr Castle	1021·4	*	NE	1	0	50	75	7	2500	Cu	9	-	9	*
Holyhead	1021·2	0	ENE	5	mo-	50	85	6	2500	St.Cu	10	-	10	0
Liverpool (Bidston) ...	1021·1	-1	NE'E	1	o/f	51	75	3	1500	St.Cu	7	Cu.Cu	9	*
Chester (Shotwick) ...	1021·1	-1	NNE	3	0	54	75	5	1500	St.	10	-	10	0
Spurn Head	1022·5	+1	NE	4	0	51	85	7	1500	St.Cu	10	-	10	*
Birmingham (Edgbaston)	1020·0	-0	ENE	4	c-	55	65	5	4000	Cu	8	-	8	2
Nottingham	1021·1	0	NE	3	0	53	85	7	1500	St.Cu	10	-	10	*
Cranwell	1021·9	0	NE'N	3	0	52	85	7	1500	St.Cu	10	-	10	1
Gorleston	1020·2	0	NNE	4	0	53	75	6	4000	St.Cu	10	-	10	*
Valencia (Cahirciveen)	1019·9	-2	NE	4	0+	53	65	8	2500	St.Cu	7	A.St	10	0
Roches Point														*
Pembroke (St. Ann's H.)	1018·8	0	E	3	c	52	65	7	2500	St.Cu	8	-	8	*
Ross-on-Wye	1018·8	-1	E'N	2	bc-	57	65	7	4000	Cu	6	-	6	1
Benson...	1018·8	0	NE	3	0+	59	75	8	*	Cu	9	-	9	1
Andover	1018·5	+1	ENE	3	bc	60	75	7	1500	Cu	6	-	6	0
S. Farnborough ...	1018·4	0	SE	3	mo-	59	75	4	450	St.	10	-	10	1
London (Kew Obsy.) ...	1018·9	-1	ENE	3	bc-	59	65	6	4000	Cu	6	-	6	1
Croydon	1018·7	-1	NE'N	3	c-	57	75	6	1500	St.Cu	8	-	8	2
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1019·3	0	E'N	5	bc/f	56	75	7	-	-	0	A.St	6	*
Grain	1019·5	+1	ENE	5	0-	53	85	7	1500	St.	3	A.St	9	2
Lympne	1018·6	+1	NNE	5	0	56	85	6	1500	St.	7	A.St	10	1
Scilly (St. Mary's) ...	1015·3	+1	ESE	1	o/f	51	92	6	2500	Nb	10	-	10	*
Falmouth (Pendennis)	1016·9	0	ENE	5	c+	54	75	8	4000	St.Cu	7	-	7	*
Plymouth(Cattewater)	1016·8	0	E	3	bc-	57	85	8	2500	St.Cu	5	-	5	1
Portland Bill	1017·3	0	E	3	b	55	85	7	4000	Cu	1	-	1	*
Southampton(Calshot)	1018·0	-1	E'S	3	bc+	61	75	6	1500	Cu.Nb	4	-	4	0
Dungeness	1018·4	0	NE	4	0	56	85	7	4000	St.Cu	10	-	10	*
Jersey	1015·6	0	SE	2	b	60	75	8	4000	St.Cu	1	-	1	*

Observations at 1800 G.M.T. 30th

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1025·3	+1	NE	2	0-	47	85	7	7200	St.Cu	3	Ac.Cu	9	1
Stornoway	1026·5	0	NE	3	c+	49	92	7	800	St	4	Ac.Cu	7	2
Wick	1025·3	0	NNE	2	0	48	92	8	800	St.Cu	10	-	10	4
Castlebay	1024·7	-1	NE	5	bc+	53	75	8	4000	St.Cu	4	-	4	4
Nairn	1025·4	*	ENE	2	c	47	85	8	1500	St	8	-	8	*
Aberdeen	1025·2	+1	NE	3	od.	44	92	7	1500	Nb	10	-	10	0
Malin Head	1023·4	0	NNE	3	0	49	85	8	5700	St.Cu	9	-	9	0
Renfrew	1024·2	0	ENE	2	0	50	75	6	1500	St	10	-	10	*
Edinburgh(Inchkeith)	1024·3	+1	E	2	od.	44	97	5	*	Nb	10	-	10	2
Leuchars	1024·6	0	E	2	o/f	44	92	7	800	St	10	-	10	*
Eskdalemuir	1023·4	0	ENE	3	0	48	75	8	2500	St.Cu	10	-	10	*
Tynemouth	1023·2	0	NE	1	b	51	85	7	4000	Cu.Nb	2	-	2	1
Blacksod Point ..	1021·7	-1	WNW	5	0	51	75	8	*	-	0	AST	10	4
Donaghadee	1023·0	0	NNE	2	0	50	85	8	2500	St	3	Ac.Cu	9	3
Birr Castle	1021·0	*	SE	1	c-	50	75	7	2500	Cu	8	-	8	*
Holyhead	1020·5	0	NE'E	5	b-	51	75	7	-	-	0	-	0	5
Liverpool (Bidston) ...	1020·8	0	E'N	4	b/m	52	75	5	-	-	0	AST	3	4
Chester (Shotwick) ...	1021·1	+1	NE	3	b-	55	75	6	-	-	0	-	0	*
Spurn Head	1022·8	0	NE	4	bc	51	85	7	-	-	0	Ac.Cu	5	3
Birmingham (Edgbaston)	1020·3	-1	ENE	4	b	55	75	6	4000	Cu	2	-	2	*
Nottingham	1021·5	0	NE	4	c+	53	85	8	1500	No	7	Ac.Cu	9	*
Cranwell	1022·3	+1	NE'E	3	0	51	75	8	1500	St.Cu	10	-	10	*
Gorleston	1020·5	0	NNE	4	0	49	85	6	4000	St.Cu	10	-	10	1
Valencia (Cahirciveen)	1019·0	-1	NE	3	0	51	75	7	2500	St.Cu	8	AST	10	0
Roches Point														*
Pembroke (St. Ann's H.)	1018·0	-2	ESE	3	bc	57	65	7	2500	Cu	5	-	5	3
Ross-on-Wye	1018·7	0	E	3	b-	57	65	7	5700	Cu	1	-	1	*
Benson...	1018·6	-1	NE	4	c	59	75	7	*	Cu	7	-	7	*
Andover	1018·1	0	ENE	4	bc-	56	65	6	4000	Cu.Nb	4	-	4	*
S. Farnborough ...	1018·3	0	E	4	bc-	56	75	6	4000	Cu	3	Ac.Cu	5	*
London (Kew Obsy.) ...	1019·2	+1	ENE	4	bc	57	75	6	4000	Cu	5	Ac.Cu	6	*
Croydon	1019·1	+1	NE'E	4	0	55	75	6	1500	St.Cu	9	-	9	*
Clacton-on-Sea ...	1020·0	0	NNE	4	bc	53	85	6	4000	Cu	4	-	4	3
Shoeburyness	1020·2	+1	NE	4	bc-	52	85	7	4000	St.Cu	4	Ac.Cu	5	*
Grain	1020·0	+1	ENE	5	c-	52	85	6	1500	St	2	Ac.Cu	7	3
Lympne	1019·0	0	NNE	5	0	50	92	6	800	St	10	-	10	*
Scilly (St. Mary's) ...	1015·4	0	E'S	4	bc-	52	92	7	4000	Cu	2	Cu.Cu	6	4
Falmouth (Pendennis)	1015·7	0	E	3	bc	52	92	7	4000	Cu	5	-	5	0
Plymouth(Cattewater)	1016·3	0	E	3	b	56	75	8	-	-	0	-	0	0
Portland Bill	1017·4	0	NE	4	bc	55	85	7	1500	Cu	6	-	6	1
Southampton(Calshot)	1017·9	0	ESE	4	b-	57	85	6	4000	Cu	1	-	1	0
Dungeness	1019·1	0	ENE	5	0	53	85	7	-	-	0	AST	10	4
Jersey	1016·7	0	ENE	4	b	59	75	8	-	-	0	AC	2	3

LONDON OBSERVATIONS

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset, hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 HOURS ENDED 0900 G.M.T. 31st								YESTERDAY.		TO-DAY.
Kew .. } 24 hours ended 0700	ambcy	bcybm	bcom	*	*	45	-	-	5·0	*	*
Croydon }	ofeme	co3	om	*	*	44	-	-	3·9	*	*
Greenwich (Royal Obsy.) ..	0	c	co	63	44	40	-	-	4·9	76	83
City (Bunhill Row)	*	*	*	*	*	*	*	*	2·6	*	*
Westminster (St. James' Pk.)	*	*	*	62	45	35	-	-	3·4	75	77
Regent's Pk. (Botanic Gdns).	*	*	*	*	*	*	*	*	3·3	*	*
Camden Square..	oc	c	*	63	45	46	-	-	*	*	85
Kensington Palace	o	oc	*	62	45	46	-	-	*	76(18h)	85
Hampstead Observatory ..	*	*	*	60	42	41	tr	-	6·0	*	85

ATMOSPHERIC POLLUTION.
Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T. 30th

South Kensington

Max.	Time.	Min.	Time.
0·3	16-21h.29m	0·3	1-5h.30m
0·6	8h.30m		

Kew Observatory

Max.	Time.	Min.	Time.
0·4	16h.29m	0·3	22h.29m
0·6	8h.30m		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 30th 7h.52m.p.m. to 31st 0h.52m.a.m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	5 0	Nil	Nil
β Ursæ Minoris }	5 0	Nil	Nil

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1200 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.

Time.	Type.	No. per sec.	Strength.	Direct.
13h.	C1C2	7	-	160
18h.	C	6	+	20
01h.	C3	6	-	60
07h.	C		-	105

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

31st MAY 1st JUNE, 1923.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth ...	3.39 / 3.38	11.50 / 11.51	8.1 / 8.4
Greenwich ...	3.51 / 3.51	11.57 / 11.58	8.3 / 8.5
Wick	3.19 / 3.17	12 / 12.0	9.59 / 9.2
Valencia ...	4.51 / 4.29	12.38 / 12.39	8.45 / 8.48

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
F thick fog " less than 200 m.
jp precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
v unusual visibility. y dry air.
z dust haze: the turbid atmosphere of dry weather.

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 ; i = intermittent ; - = "decreasing" ; + = "increasing" ; h(r) = "hail" or "rain and hail" ;
Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—
R = heavy rain.
rr = continuous moderate rain.
r_0r_0 = continuous light rain.

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

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

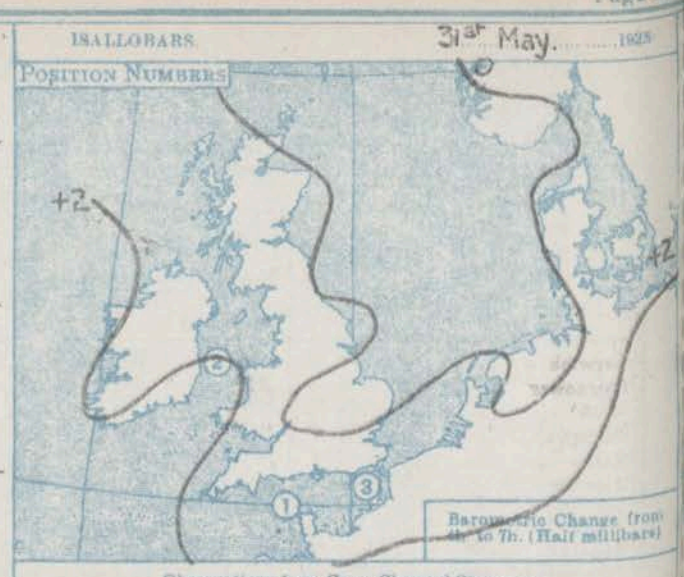
SEA DISTURBANCE.

0=no swell	Calm or slight sea.
1=mod. swell	
2=heavy swell	
3=no swell	Moderate sea.
4=mod. swell	
5=heavy swell	
6=rather rough sea.	
7=rough sea.	
8=very rough sea.	
9=mountainous sea.	

* Information for these columns not usually received.
‡ The barometric change is expressed in half millibars.
§ For code see page 2.
For explanation see Introduction.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 30th	WEATHER. 13h.-18h. 30th	WEATHER. 18h. 30th to 1h. 31st	WEATHER. 1h.-7h. 31st	TEMPERATURE. MAX. Day. 7h.-18h.	TEMPERATURE. MIN. Night. 18h.-7h.	TEMPERATURE. MIN. on Grass	RAINFALL. Day. 7h.-18h. mm.	RAINFALL. Night. 18h.-7h. mm.	RAINFALL. Precipitation began.	RAINFALL. Precipitation began.	Sus. 30th Hours.
Lerwick	cg	c	c	bc	48	44	•	-	Trace	-	L2100	0·6
Stornoway	c	c	c	oo	52	38	•	-	-	-	-	7·4
Wick	oimid	oo	oo	oo	48	44	•	0·1	-	L0800	-	•
Castlebay	bcb	bbc	bcb	bbc	55	45	•	-	-	-	-	14·7
Nairn	dqm	cq	c g	cp+3	50	43	•	0·3	1	11·00	0130	0·0
Aberdeen	oid$_0$	oid$_0$	oid$_0$	+	48	43	42	Trace	Trace	L0800	L2100	0·1
Malin Head	c	o	oov	cov	51	41	•	-	-	-	-	0·6
Renfrew	omg	o3	d$_0$om	om6	51	44	41	-	-	-	-	0·0
Edinburgh(Inchkeith)	oo	o6	id$_0$	oo	47	42	41	0·3	Trace	L0800	2200	0·0
Leuchars	oido	odom	oo	o d$_0$	49	42	38	0·5	Trace	L0800	-	0·0
Eskdalemuir	od$_0$0	oo	ood$_0$	ood$_0$	50	39	39	Trace	Trace	L0800	L2100	0·14
Tynemouth	c	b-c	oo	oo	52	42	41	-	-	-	-	•
Blacksod Point	oc	co		b-bc	52	44	•	-	-	-	-	•
Donaghadee	oo	o	c	oo	50	47	•	-	-	-	-	•
Birr Castle	co	co	co	co	52	40	32	-	-	-	-	•
Holyhead	oom	oxbcb	bbq	bbmw	52	46	42	-	-	-	-	4·3
Liverpool (Bidston)	odfm	bm	c m		55	42	36	-	Trace	-	-	0·2
Chester (Shotwick)	od$_0$fg	ogeq	bbcm	bcwoc	57	38	27	Trace	-	L0800	-	2·5
Spurn Head	c	c	c	c	53	44	•	-	-	-	-	5·0
Birmingham (Edgbaston)	ocm	cbc	c	bcc	57	38	34	Trace	-	L0800	-	2·7
Nottingham	oo	c	cb	bc	56	40	34	-	-	-	-	2·3
Cranwell	d$_0$o	obco	c	oo	56	34	34	Trace	-	0900	-	2·3
Gorleston	oco	oo	oo	oo	54	46	45	-	-	-	-	1·1
Valencia (Cahirciveen)	cobco	o3	bc	ocb3	56	46	41	-	-	-	-	5·9
Roches Point												
Pembroke(St Ann's H.)	c	c	b-bc	b-bc	58	46	•	-	-	-	-	5·5
Ross-on-Wye	oc	bc	bcbcb	bbc	61	41	34	-	-	-	-	6·1
Benson	co	c	bcco	o	64	44	44	-	-	-	-	•
Andover	c	bcccic	bmchm	om	63	44	44	-	-	-	-	11·9
S. Farnborough	cmom	omcic	byb	bo	62	45	45	-	-	-	-	6·4
London (Kew Obsy.)	omcg	bcgbcm	bc m	om	61	45	45	-	-	-	-	5·0
Croydon	ofcm	co3	om	om	60	44	44	-	-	-	-	3·9
Clacton-on-Sea	ogcg	cbcg	bcgco	og	57	45	45	-	-	-	-	5·4
Shoeburyness	obcbc	bcgbc	bcco	o	57	44	45	-	-	-	-	2·5
Grain	co	ocom	cmoo	oo	54	45	46	-	-	-	-	1·0
Lympne	cbcm	om	om	om	57	45	44	-	-	-	-	5·0
Scilly (St. Mary's)	cmpr	omrc	cbc	bcc	54	48	•	2	-	L0800	-	2·3
Falmouth (Pendennis)	cbc	cbc	bccm	co	53	51	•	1	-	L0800	-	8·7
Plymouth(Cattewater)	bc	b	b	bo	60	51	46	0·4	-	L0800	-	11·7
Portland Bill	b-bc	b-bc	b-bc	c'	61	48	•	-	-	-	-	•
Southampton(Calshot)	b-bc	bcb	bcm	oo	62	47	47	-	-	-	-	13·7
Dungeness	c	oo	oo	oo	59	48	•	-	-	-	-	•
Jersey	bcb	b	b	bc	66	50	•	-	-	-	-	13·3



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Rainfall.
2	30th 1300	Hibernia	ENE	5	09	48	48	
3	31st 0200	Arundel	NE	5	bc	52	52	T

GENERAL INFERENCE.

Pressure continues high off our NW. coasts and low over the Continent and there are no definite indications of any change in the general distribution of pressure. Much cloud is probable in the eastern parts of England and Scotland but considerable bright periods further west. The easterly winds will be fresh to strong at times on the South coast of England and in the Channel, while remaining moderate further No

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Thursday, 31st May, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Moderate or fresh NE. wind; mainly cloudy, risk of slight rain at times locally, some brighter intervals later; visibility moderate to good; rather cold.	
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Moderate NE. to E. winds; fair; visibility moderate to good; moderate temperature.	None issued. ----
9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland	Moderate NE. to N. winds; varying amount of cloud, risk of slight drizzle at times locally; visibility moderate to good; rather cold.	
13. Isle of Man	As 4 - 8.	
14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland	Wind light and indefinite; fair; visibility moderate to good; moderate temperature.	
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 4 - 8.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0915 GMT. G. C. SIMPSON, F.R.S., Director.

§ For Code see opposite page

SYNOPTIC CHART FOR MORNING OF THURSDAY, 31ST MAY 1923.

Scale - 1:10,000,000

Nautical Miles 100 0 100 200

Statute Miles 100 0 100 200

Low Cloud.

TEMPERATURE
WEATHER.
SEA

HIGH

LOW

Barometer 57. Fine

Steady.

Bar. Falling Slowly.

Barometer

Rising

Steady or

Barometer

Slowly

Rising

Slowly.

"METAGAMA" Sea 51 Showers

"MELITA" Sea 51 Cloudy

1016 37 Rain

1018 45 O'cast

1020 49 O'cast

1022 46 Drizzle

1024 45 Rain

1026 46 O'cast

1028 48 Cloudy

47 Fair

48 O'cast

46 Fine

1020

50 Fine

46 O'cast

48 Cloudy

49 O'cast

49 Fine

45 O'cast

54 Fine

50 Fine

53

52 O'cast

54 Fair

52 O'cast

57 Fair

54 Fine

50 Fine

55 Fine

55 Fair

48 O'cast

55 Cloudy

57 Cloudy

57 O'cast

46 O'cast

45 O'cast

48 Rain

47 O'cast

45 O'cast

48 O'cast

1016

1018

1014

1012

1010

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

EXPLANATION

BAROMETER. Isobars are drawn for intervals of two millibars.

WIND. Direction is shown by arrows flying with the wind.
Force, on the scale 0—12, is indicated by the number of feathers.
Mean velocity is shown in miles per hour by figures in small circles.

TEMPERATURE is given in ° F

WEATHER SYMBOLS: ○ clear sky, ◐ sky ¼ clouded; ◑ sky ½ clouded; ◍ sky ¾ clouded; ● overcast sky; ● rain falling; ✱ snow; ✱ sleet; ▲ hail; ≡ fog; ≡° mist; T thunder; ℞ thunderstorm.

SEA DISTURBANCE: ~~~ Rough. ≈≈≈ High.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY

0.	Dense fog. Objects not visible at	55	yards.
1.	Rather thick fog " "	220	"
2.	Very bad " "	550	"
3.	Bad " "	1,100	"
4.	Very poor " "	1¼	miles.
5.	Poor " "	2½	"
6.	Moderate " "	5¼	"
7.	Good " "	12½	"
8.	Very good " "	31¼	"
9.	Excellent. "	beyond 31¼	"

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4. BRITISH SECTION.....THURSDAY 31ST MAY.....1923. No. 151.

Observations at 0100 G.M.T. 31ST

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Cloud. Sea. 0-9
Lerwick	1023·6	0	-	0	b-	45	92	7	-	-	0	a.St	1	*
Stornoway ...	1027·2	0	NE	b	0	*	*	6	*	*	*	*	*	*
Wick	1026·5	+1	NNW	1	0	45	97	3	5700	StCu	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1024·8	+1	NE	2	bc-	48	86	8	4000	StCu	6	-	6	*
Renfrew	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	1025·9	0	NNE	2	o/r	43	85	8	-	StCu	10	-	10	*
Leuchars	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	1025·2	0	N	2	0	44	85	7	4000	Nb	10	-	10	*
Blacksod Point ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	1027·5	+1	ENE	5	b	48	92	7	-	-	0	-	0	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1024·0	0	N	2	0	45	92	7	-	-	0	a.St	10	*
Birmingham (Edgbaston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1024·1	+1	NE	1	c	40	77	7	2500	StCu	1	a.Cu	8	*
Gorleston	1024·9	+1	N'E	4	0	47	85	7	4000	StCu	10	-	10	*
Valencia (Cahirciveen)	1030·3	0	NE	2	b-	48	92	8	-	-	-	-	-	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1029·1	+1	NE	4	bc+	49	85	7	2500	StCu	5	-	5	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	*	*	*	*	48	*	*	*	*	*	*	*	*	*
Croydon	1024·8	+1	NE'N	3	0	47	92	6	800	St	10	-	10	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1026·8	+1	NNE	4	0	46	85	6	800	St	10	-	10	*
Scilly (St. Mary's) ...	1026·5	0	E	4	0	58	92	7	-	-	0	a.St	10	*
Falmouth (Pendennis)	1027·3	0	E	6	bc+	51	92	6	4000	StCu	6	-	6	*
Plymouth (Cattewater)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1028·6	?	E	5	0+	52	85	6	-	StCu	6	a.St	10	*
Southampton (Ca. shot)	1029·3	+1	NE'E	4	0+	51	85	6	800	St	10	-	10	*
Dungeness	1029·3	0	E	4	0	50	92	7	-	-	0	a.St	10	*
Jersey 7h }														
Guernsey 1h }														

Observations at 0700 G.M.T. 31ST

STATIONS.	Barom. at M.S.L. m.b	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Cloud. Sea. 0-9
Lerwick	1025·0	-1	NW	3	bc+	47	85	8	-	-	0	a.Cu	5	2
Stornoway ...	1027·2	+1	-	0	0-	48	85	7	4000	Nb	9	-	9	0
Wick	1026·6	0	WNW	1	0	46	92	8	5700	StCu	10	-	10	0
Castlebay	1026·7	+1	SW	2	bc	48	85	8	4000	Cu	2	Ci St	4	1
Nairn	1026·9	*	-	0	c/r	46	85	8	1500	St	8	-	8	*
Aberdeen	1026·6	+1	NNW	2	0	46	85	8	2150	StCu	10	-	10	0
Malin Head	1025·8	+1	S	1	C	48	92	7	5700	StCu	5	Ci Cu	7	0
Renfrew	1026·6	+1	ENE	2	0-	46	85	7	2500	St	10	-	10	*
Edinburgh (Inchkeith)	1026·2	0	NE	2	0	45	85	8	-	StCu	10	-	10	1
Leuchars	1026·2	+1	E	1	od$_o$	45	85	7	1500	St	10	-	10	*
Eskdalemuir	1026·1	+1	NNE	3	0	42	85	6	1500	StCu	10	-	10	*
Tynemouth	1025·2	0	NNE	2	0	45	85	7	4000	StCu	9	-	9	1
Blacksod Point ...	1024·9	+3	NE	3	0	49	85	6	-	-	0	a.St	10	4
Donaghadee	1026·0	+1	E	1	o-	48	85	8	2500	St	9	-	9	*
Birr Castle	1024·4	*	ENE	2	C	47	92	5	2500	StCu	4	a.St	8	*
Holyhead	1024·2	+2	NE'E	5	b-	49	85	7	2500	Cu	1	-	1	5
Liverpool (Bidston) ...	1024·7	+1	ENE	2	0	46	75	5	2500	St	10	-	10	3
Chester (Shotwick) ...	1024·6	+2	ENE	2	b-	47	85	4	4000	StCu	3	-	3	*
Spurn Head	1023·9	+1	NW'N	4	C	47	92	7	2500	StCu	8	-	8	3
Birmingham (Edgbaston)	1024·3	+1	ENE	4	0	42	85	5	2500	StCu	10	-	10	*
Nottingham	1023·7	+1	NE	2	0	45	85	7	2500	StCu	10	-	10	*
Cranwell	1025·3	0	NW	2	0	43	92	6	1500	StCu	10	-	10	*
Gorleston	1027·1	0	N'W	4	0	47	75	7	5700	StCu	10	-	10	0
Valencia (Cahirciveen)	1027·6	+2	E	2	b-	54	65	7	-	-	0	a.Cu	2	0
Roches Point	1027·6	+3	NE	4	b-	50	75	8	-	-	0	Ci	2	3
Pembroke (St. Ann's H.)	1028·0	0	ENE	3	c+	47	75	7	4000	Cu	4	-	4	*
Ross-on-Wye	1028·3	+1	NNE	3	0	45	85	7	-	St	10	-	10	*
Benson...	1027·9	+1	NE	4	0	42	97	6	800	St	10	-	10	*
Andover	1028·9	+1	NE	3	0	45	85	7	1450	St	10	-	10	*
S. Farnborough ...	1028·4	0	NNE	3	0	45	85	6	2500	St	10	-	10	*
London (Kew Obsy.) ...	1028·1	0	NNE	3	0	44	92	6	1450	St	10	-	10	*
Clacton-on-Sea ...	1027·0	0	NNE	3	0	46	85	7	2500	St	10	-	10	*
Shoeburyness	1027·4	0	NE	4	0	46	75	8	4000	StCu	7	a.St	10	*
Grain	1027·2	+1	NNE	5	0	46	85	7	1500	St	10	-	10	*
Lympne	1027·0	+1	NNE	5	0	46	85	7	1500	St	10	-	10	*
Scilly (St. Mary's) ...	1027·4	+2	E'N	5	0+	52	85	7	4000	StCu	10	-	10	5
Falmouth (Pendennis)	1029·1	+1	E	6	0	51	92	6	2500	StCu	10	-	10	0
Plymouth (Cattewater)	1029·0	+1	ENE	4	0	51	85	6	800	St	10	-	10	0
Portland Bill	1029·5	?	ENE	5	0+	50	75	5	2500	StCu	9	-	9	3
Southampton (Ca. shot)	1027·3	+1	NE	4	0	48	85	6	1500	St	10	-	10	0
Dungeness	1026·6	+1	E	5	0	49	75	7	1500	St	10	-	10	5
Jersey 7h }	1025·9	0	ENE	6	bc	54	86	8	4000	StCu	5	-	5	6
Guernsey 1h }														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 30TH MAY

STATIONS	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 29-30 °F.	Temperature. Max. Day. 30 °F.	Rainfall.† Night 17h.-9h. 29-30 mm.	Rainfall.† Day 9h.-17h. 30 mm.	Sunshine. Sunrise to 17h. 30 hr.	Sunshine. Sunrise to Sunset. 29 hr.
Montrose	*	*	44	50	-	-	0·5	4·7
Llandudno	o	oco	44	54	-	-	1·5	2·9
Colwyn Bay ...	co	bcc	43	53	-	-	0·7	12·9
Rhyl...	oc	o	43	54	-	-	0·1	4·4
Southport	co	o	42	54	-	-	0·1	14·2
Blackpool	oc	bc	41	56	-	-	1·5	14·0
Ilkley	o	bc	41	50	-	-	0·0	7·3
Harrogate	o	o	40	50	-	-	0·1	7·8
Skegness	b	b	44	53	-	-	4·4	0·9
Aberystwyth ...	obc	b	45	60	-	-	4·5	9·5
Bath	cbcb	cbcb	45	62	2	-	7·6	1·1
Leamington Spa ...	oc	c	42	59	1	-	4·5	0·8
Lowestoft	o	oco	48	52	0·1	-	1·8	0·0
Felixstowe	og	bg	47	57	-	-	5·0	0·0
Southend	foc	co	40	57	0·1	-	1·5	0·0
Ilfracombe	bcco	bchp	46	57	-	0·1	6·6	1·1
Bude	b	b	46	62	-	-	7·1	0·2
Penzance	broc	bcb	46	59	0·2	2	-	-
Paignton	bbcb	bm	47	58	5	-	7·0	0·0
Torquay	cobc	b	46	58	4	-	7·5	0·0
Weymouth	b	b	44	62	5	-	10·0	0·0
Bournemouth ...	b	b	43	63	4	-	10·5	0·0
Portsmouth (S'thsea)	b	b	40	64	1	-	11·5	0·0
Worthing	b	bcb	40	63	-	-	12·3	0·0
Brighton	b	b	41	64	-	-	12·2	0·0
Eastbourne	bc	bc	41	61	0·1	-	12·3	0·0
Hastings	bbc	bcobo	43	60	0·3	0·1	8·5	0·0
Folkestone	c	c	42	56	-	-	7·6	0·0
Tunbridge Wells ...	o	bco	39	60	1	-	2·9	3·6
Ramsgate	cbcc	co	45	64	-	-	1·7	0·0
Margate	o	o	46	52	-	-	0·0	2·0
Deal	o	o	40	54	-	-	0·5	3·5

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. CORRECTIONS AND ADDITIONS, May 1923.

I.—CORRECTIONS.

Report for	STATION.	CORRECTION.
1st	Holyhead.	1h bar. 1011·5.
	Lympne.	" " 1019·2.
	Cranwell.	7h wind SW'W.
	Falmouth.	" bar. 1020·8.
	Liverpool.	Night rain 13mm.
2nd	Harrogate.	" " 3 "
	Grain.	13h hum. 85%
	Lerwick.	18h bar. 1016·4: Sun 12·4.
	Castlebay.	" temp. 49.
	Ross-on-Wye.	" hum. 75%.
	Cattewater.	} 18h observations transposed.
	Calshot.	
	Wick.	1h wind E.2.
	Nairn.	7h temp 42. [Sun. 2·2.
	Ross-on-Wye.	" bar. 1023·6: +2: Vis. 6
	Lympne.	" hum. 92%
3rd	Croydon.	13-18h weather. "ocbc".
	Ross-on-Wye.	13h bar. 1023·2; 18h 1022·4.
	Croydon.	18h bar. change "0"
	Calshot.	" cloud amount 8. [rocbcm
	Ross-on-Wye.	7h hum. 97%: Sun 6·5: 1-7h weather
	Pembroke.	Day rain "-"
	Kew. Folkestone	Max. 68 Min. "?"
4th	Croydon.	Radio, 13h, direction 155°
	Castlebay.	13h bar. change -2.
	Ross-on-Wye.	" bar. 1019·6.
	Eskdalemuir.	18h low cloud 1 Sc.Cu.: 1;
	Cattewater.	" bar. 1019·5.
	Holyhead.	1h weather "mmo" Cloud <1500' Sc:10
	Scilly.	" temp. 48.
	Lerwick.	7h bar. 1007·9.
	Aberdeen.	Max 59.
	Holyhead.	Grass min. 45.
	Kew.	Min 49: 7-13h "omomp, romby"
	Croydon.	Sun 7·4.
	Lympne.	" 8·7.
	Deal.	" 3rd 6·9.
5th	Lerwick.	1h bar. 1005·9.
	Blacksod Pt.	7h wind SW.5.
	Cattewater.	1-7h "bor TL"
	Jersey.	Max. 65: Min 49.
	Croydon.	Radio, 13h, type "C_1C_2"
	Colwyn Bay.	Sun. 3rd 10·2.
	Deal.	" " 7·3.
	Bude.	" 4th 4·5.
6th	Eskdalemuir.	13h temp 56
	Sholwick.	" hum 65%.
	Andover.	" cloud Sc: 7: aCu: 10.
	Scilly.	" wind N.2.
	Malin Hd.	1h temp 47.
	Kew.	7h bar. 1013·3.
	Nottingham.	Night rain 11mm.
	Ross-on-Wye.	" " 0·4. "
	Benson.	Day " 0·4. "
	Falmouth.	Min 45.
	Bude.	Sun 4th 6·3.
7th	Aberdeen.	13h wind SW.3.
	Cranwell.	18h hum. 75%.
	Wick.	7h wind WSW.
	Malin Hd.	Sun 10·1.
	Eskdalemuir.	Day rain. "1mm"
	Croydon (Radio)	13h type C_1C_2: 7h direction. 175°
8th	Southport.	Min 42.
	Stornoway.	13h temp 49.
	Castlebay.	" bar. 1016·3.
	Aberdeen.	" hum. 45%.
	Eskdalemuir.	" wind SW.
	Sholwick.	" cloud "aCu. 3."
	Nottingham.	" wind SE.1.
	Cattewater.	" cloud "Sc.Cu: 2: CiSc: 10"
	Benson.	18h hum 65%.
	Malin Hd.	7h " 85%.
	Valencia.	" bar. 1022·1.
	Lympne.	" hum 97%.
	Calshot.	" cloud. aCu. 8.
	Cattewater.	7-13h weather. "bbco".
9th	Bude.	Sun. 6th 8·9.
	Renfrew.	13h bar. 1015·8: 18h wind W.
	Kew.	" bar. change -4: Max 62.
	Nairn.	18h temp. 49.
	Inchkeith.	7h cloud 2500: Sc:1: CiCu: 3.
	"	Sun 13·3.
10th	Holyhead.	13-18h weather. "bcvbc"
	Shoeburyness.	13h wind WSW.1.
	Castlebay	18h cloud. Nb:2: Ci:1: Cu: 5.
	Cranwell.	" " Sc.Cu. 8.
	Croydon.	" " 4000: Sc.Cu: 9.
10th	Malin Head.	1h wind NW. 5.
	Croydon.	" Vis. 6.
	Lympne.	" wind NNW.
	Falmouth.	" bar. 1012·8.
	Ross-on-Wye.	7h bar. change +3.
	Donaghadee.	Max 55.
	Scilly.	" 52: Night rain "Nil".
	Cattewater.	Min 37: Grass min 38.
	Felixstowe.	Sun. 8th 6·4.
11th	Castlebay	13h wind WSW.
	Malin Hd.	18h " WNW.8.
	Tynemouth.	" bar. 999·0.
	Wick.	1h wind NE.10.
	Holyhead.	" " W'N.7: 7h NW'N.7.
	Valencia.	" cloud Sc: 9.
	Kew.	7h temp 45.
	Croydon.	" wind WSW. 4. Sun 3·4.
	Renfrew.	13-18h "RRoc": 1-7h "ophR".
	Cattewater.	1-7h "oqrb".
	Lympne.	13-18h "prhqs".
	Southport.	Sun 9th 10·3.
	Aberystwyth	" 10th 8·3.
	Ilfracombe.	" " 9·3.
12th	Croydon.	13h clouds "Cu."
	Falmouth.	" bar. 1003·1.
	Pembroke.	18h wind "NW.4"
	Cranwell.	1h cloud height 2500'
	Cattewater.	7h bar. 1005·8: Night rain 3
	Camden Sqs.	c: oc: *: 56: 35: 32: 1: *: *: 65%
	Aberdeen.	Day rain 12mm: Sun 0·1.
	Inchkeith.	Sun 1·3
	Sholwick.	Sun 2·4.
	Southport.	Night rain 7mm.
13th	Bude.	Sun 11th 10·2.
	Malin Head.	13h wind NNW.
	Sholwick.	" bar. 1001·5.
	Kew.	" temp. 41.
	Lerwick.	18h Vis. 5: 1h Vis. 6.
	Castlebay.	" bar. 998·8.
	Cranwell.	1h cloud Wi. 2500: 7h hum 85%
	Aberdeen.	Sun 1·4.
	Holyhead.	13-18h "oporc": day rain 0·2.
	Sputn Hd.	Max 49.
	Birmingham	Sun 5·4.
	Pembroke.	Max 47.
	Andover.	" 52.
	Bude.	Sun 11th 10·2.
14th	Benson.	13h hum 55%.: 13-18h "copq": 18-1h [cor
	Cattewater.	" ground "0"
	Holyhead.	1h clouds 2500' Cu.4.
	Cranwell.	7h clouds Sc.
	Leuchars.	Max 53.
	Ilfracombe	cbc: bcco: 42: 49: 6: -: 10·3: 10·3
15th	Lerwick.	13h Vis. 5: 7h hum 85%: Day rain 5
	Stornoway.	18h bar. 997·8
	Leuchars.	" clouds CuNb. 9: Max 52:
	"	" day rain 2 mm.
	Cranwell.	Sun 5·3.
	Croydon.	" 8·1.
	Portland Bill	Max 52.
	Rhyl.	Min. 37.
	Harrogate.	Max 50.
	Lowestoft.	Sun 13th 9·2.
16th	Cranwell.	13h hum. 85%.
	Holyhead.	1h clouds. 2500' Cu.3.
	Cranwell.	" " Sc.2.
	Birr Castle.	Day rain 2 mm.
	Gorleston.	Min. 38.
	Falmouth.	Sun 6·0.
17th	Southport.	Day rain 2mm: Sun 14th 4·7.
	Andover.	18h clouds 2500' CuNb.3.
	Cranwell.	1h cloud ht. 2500'.
	Jersey.	7h bar. 1015·4: wind WNW.
	Nottingham.	Max 49: Day rain "1".
	Scilly.	Day rain 0·4.
	Croydon.	" " 0·5.
	Aberystwyth	Sun. 16th 9·1.
	Bude.	" 15th 8·0.
18th	Ross-on-Wye	13h Clouds CuNb. 6.
	Cranwell.	18h bar. 1013·5: +2: W'N. hum 55%: Vis 7
	Gorleston.	" " 1012·9
	Shoeburyness	" " 1013·9.
	Spurn Hd.	7h " 1016·7.
	Liverpool.	Max. 49.
	Sholwick.	7-13h "cprhbc": Sun 9·7.
	Cattewater.	Grass min 38.
	Bude.	Sun 16th 8·9
18th	Deal.	Sun 17th 7·3.
19th	Malin Hd.	13h wind WNW.4.
	Sholwick.	" bar. 1018·5.
	Scilly.	" wind NW'N.2
	Lerwick.	18h high cloud ast: 7h hum 75
	Castlebay.	7h bar. 1007·7
	Aberdeen.	" bar change -1.
	Holyhead.	" " " -2.
	Shoeburyness	" " 1015·8.
	Dungeness.	" " 1016·2.
	Lympne.	Sun 5·1.
	Cattewater	" 7·3.
20th	Holyhead.	13h temp 50.
19th	City.	Sun 3·3
	Westminster.	" 5·1
	Hampstead.	" 5·0
20th	Croydon.	Radio 13h c: 6: -: 110°.
	Calshot.	1h wind SW.1.
	Nairn.	7h bar 999·8.
	Grain.	" clouds Sc.Cu. 10.
	Aberdeen.	Sun 4·3.
	Malin Hd.	Max 53.
	Renfrew.	1-7h "or or m".
	Donaghadee.	Max 55.
	Pembroke.	Night rain 0·1.
	Benson.	7-13h "P_0"
	City.	Sun 0·1
	Westminster.	Max 57: 48: -: -: 0·1: 58: 75.
	Hampstead.	Sun 0·6
21st	Andover.	13h Vis. 8.
	Castlebay.	Min 44.
	Nairn.	Max 59.
	Sholwick	13-18h "odddd": Max 55°.
	Portland Bill	Night rain 0·2.
	Calshot.	" " 0·5.
	City.	Sun 0·1
	Westminster.	58: 51: 49: -: 0·2: 58: 73.
	Hampstead	Sun 0·5
	Croydon.	Radio. 13h c: 6: -: 140
	"	" 7h direction. 25°.
22nd	Castlebay.	13h temp 49: Min 41.
	Inchkeith.	" " 51: 18h 51
	Sholwick.	" low cloud Sc. Cu.
	S. Farnborough	" cloud. Sc.Cu: 6: aCu: 10.
	Stornoway.	18h temp 48
	Cattewater.	" " 55.
	Lerwick.	7h clouds Nb: 8: aSc: 10.
	Blacksod Pt.	" temp 51.
	Aberdeen.	Sun 10·5.
	Clacton.	Grass min 37.
	Westminster.	61: 45: 39: 1·5: 1·3: 67: 94.
	Camden Sqs.	co: cbc: *: 64: 46: 41: -: 2: *: *: 96
	Bath.	ocbc: bcbbc: 51: 59: 1: -: 3·5: 1·5
	Ilfracombe.	o: ocbcco: 50: 54: 0·4: -: 2·9: 0·6
	Paignton.	ooc: bcy: 50: 60: 1: -: 3·0: 1·6.
	Folkestone.	o: o: 44: 57: -: -: 2·7: 2·3.
23rd	Shoeburyness	13h Vis. 6
	Croydon.	18h hum 65: Vis. 8.
	Spurn Hd.	1h bar 1013·1
	Gorleston.	" " 1013·8
	Camden Sqs.	c: bcc: *: 65: 50: 50: -: 3: *: *: 75
	Kensington Pal.	Min 51.
	Bude.	" 47.
	Torquay.	Sun 22nd 4·0.
24th	Holyhead.	13h cloud total 6: 7h wind NW 4
	Lerwick.	1h " 2.
	Falmouth.	" temp 47.
	Cattewater.	7h bar. 1023·2.
	Wick.	Day rain 0·8
	Birr Castle.	Max 54.
	Spurn Hd.	Day rain 3.
	Portland Bill	" " 1.
	Camden Sqs.	opc: or: *: 63: 38: 35: 8: *: *: 85.
	Bude.	Sun 23rd 2·4.
	Torquay	" 22nd 4·6.
25th	Cattewater.	13h wind N.4: 18h temp 52.
	Nottingham	18h " NW.
	Lerwick.	7h " NE.
	Nairn.	" temp 45.
	Wick.	Day rain 4.
	Spurn Hd.	Sun. 9·3.
	Birmingham	" 7·3.
	Lympne.	" 12·2
	Holyhead.	18-1h "ocbcrv"
	Harrogate.	Sun 24th 9·4.
	Ilfracombe	" " 12·1

‡ The barometric change is expressed in half millibars.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. CORRECTIONS AND ADDITIONS, May 1923.

I.—CORRECTIONS.

Report for	STATION.	CORRECTION.
26th	Cranwell.	18h temp 50: 7-13h "bccbo"
	Portland Bill.	" " 54.
	Jersey.	7h " " 51
	Lyndhe.	Day rain "2 mm"
	Calshot.	Sun 11.8.
		" 6.1.
27th	Portland Bill.	13h temp 53. 7h wind ENE.
	Liverpool.	7h wind NNE.
	Tynemouth.	Night rain Nil.
	Sholwick.	18-1h "cobco"
	Spurn Hd.	Max 53.
	Birmingham.	Sun 5.1
	Portland Bill.	Max 56 : Min 45
	Camden Sqs.	b.bc: bbc: ×: 61: 43: 41: -: 2: ××: 73

Report for	STATION.	CORRECTION.
28th	Holyhead.	13h wind NE'N: Sun 9.6.
	Croydon.	18h Vis. 6.
	Clacton-on-Sea.	" wind N.
	Lerwick.	7h " NE. 3.
	Birr Castle.	Min 46.
	Liverpool.	Night rain 6.
	Lympne.	Min 41.
	Portland Bill.	Night rain 0.7.
	Croydon.	Radio 13h C_1C_2: 7 : -: 65°
	"	" 18h C : 6 : -: 140.
	Ilfracombe.	cbcb: bbccom: 45: 56: 0.4: -: 6.7: 58
29th	Malin Hd.	13h low cloud "Cu"
	Shoeburyness.	18h clouds. Si. 10.
	Portland Bill.	7h bar 1020.2: hum 75 : Vis. 5.
	Jersey.	Sun 5.7.
	Kensington Pal.	Night rain "11 mm"
	Skegness.	" " 6 "

Report for	STATION.	CORRECTION.
30th	Ross-on-Wye.	13h bar 1020.6: 18h 1019.9.
	S. Farnborough	" Vis. 4: 18h bar change "0"
	Lerwick.	18h Sea. 1
	Berson.	" Wind NNE. 5
	S. Farnborough	" weather O_1r_2: Vis. 4.
	Donaghadee.	7h wind E'N
	Sholwick.	" bar. change -1.
	Nairn.	Max 52.
	Croydon.	" 50.
	Falmouth.	Night rain 0.1
	Margate.	" " 27.
31st	Scilly.	13h wind: ESE. 5.
	Calshot.	" Vis. 7.
	Wick.	18h temp 46.
	Aberdeen.	7h cloud ht. 2500'
	Andover.	" temp 44
	Llandudno.	Sun 29th 13.0.
	Bude.	" 30th 0.2.

II.—ADDITIONS.

Report for	STATION.		Barom. at M.S.L. m.b.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud. Low. Form.	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9	SUMMARIES FOR THE PAST 24 HOURS. WEATHER. 7h.-13h.	13h.-18h.	18h.-1h.	1h.-7h.	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on Grass.	RAINFALL.† Day. 7h.-18h.	Night. 18h.-7h.	Precipitation began.	SUN. Hours
1st	Blacksod Pt.	13h	1001.7	+1	SW	5	c	55	85	7	-	CuNb	8	-	8		c										
	"	18h	1004.7	+2	SW	5	bc	51	92	7	-	CuNb	6	-	6	6		c									
	"	7h	1009.7	+2	SW	3	$op_1^{1}o$	50	85	7	-	CuNb	10	-	10	5			c	c	55	45		1	-	-	
	Roches Pt.	13h	1010.3	0	WSW	5	od_1d_2	52	97	6	1500	Nb	10	-	10		d_1d_2im										
	"	18h	1011.2	0	WSW	5	od_1d_2	51	97	5	1500	Nb	10	-	10	6		d_1d_2zm									
	"	7h	1016.5	+3	SW	2	c-	50	97	8	450	Sc	7	CiCu	8	3			d	d	53	50		0.6	2		
	Valencia.	7h	1014.3	+4	S	2	c+	51	92	7	1500	Sc Cu	7	ASc	8	3			oc	oc	55	49	45	-			0.2
2nd	Blacksod Pt.	13h	1013.2	+2	SW	5	c	54	85	8	-	CuNb	8	-	8		c										
	"	18h	1015.7	+3	SW	5	bc+	52	85	8	-	CuNb	6	-	6	6		c									
	Roches Pt.	13h	1017.4	+1	SW	1	bc	55	85	8	-	-	0	CiCu	4		cbc							-		-	
	"	18h	1019.8	+1	SSW	1	Fo	52	97	1		Sc	10	-	10	0		2cbof_2^{1}									
	"	7h	1022.3	+1	ESE	1	o	50	97	8	1500	Sc	3	ASc	10	0			f_1f_2	f_2^{1}	56	48		-	0.6	<2100	
3rd	Valencia.	7h	1021.5	0	E	2	b	52	85	7	2500	Sc Cu	2	-	2	3			bc	bw	58	47	44	-	-		9.2
	Roches Pt.	13h	1022.3	0	E	2	c	57	85	8	2500	CuNb	4	aCu	7		orcp										
	"	18h	1020.9	-2	E	2	c	54	92	8	-	-	0	aCu	8	0		cbi_c									
	"	7h	1019.9	0	E	1	fo	50	97	2	<150	Sc	10	-	10	0			coli_1r	f_1fol_1r	58	50		2	1		
4th	"	13h	1019.4	0	SSW	2	o-	55	92	8	2500	Sc Cu	9	-	9	3	fo	ob									
	"	18h	1018.5	0	WSW	2	b-	58	85	8	4000	Sc Cu	3	-	3	0			bo	bw	61	49		-	trace		
	"	7h	1017.5	0	NW	1	o	50	97	8	1500	Sc	10	-	10	0				o	53	47		-	-		
	Blacksod Pt.	7h	1012.7	-2	SW	4	o	52	97	7	-	-	0	ASc	10	4				omd	57	51	49	-	-		0.0
5th	Valencia.	7h	1017.1	0	SSW	2	oD	53	92	6	450	Sc	10	-	10	0											
	Roches Pt.	13h	1017.1	0	SW	2	o	57	85	8	1500	Sc Cu	10	-	10		oo										
	"	18h	1016.2	-1	SW	2	c-	54	85	8	1500	Sc Cu	3	Ci	7	0		oc									
	"	7h	1013.8	-1	E	1	o	50	97	8	4000	Sc Cu	10	-	10	0			o	bwo	57	50		-	trace		
6th	Valencia.	7h	1012.6	-1	S	2	c-	51	92	8	800	Sc	2	aCu	8	0				cocw	57	49	45		-		1.1
	Roches Pt.	13h	1011.5	-1	SW	3	o	55	92	9	2500	Sc Cu	7	aCu	9	0	oco										
	"	18h	1010.9	-1	SW	2	bc-	53	92	9	4000	Sc Cu	4	-	4	0		ocb									
7th	"	7h	1013.7	+2	SSW	2	o	50	92	8	4000	Sc Cu	10	-	10	0			bbc	bco	58	46		-	-		
	"	13h	1015.2	+1	WSW	3	c-	56	85	8	4000	CuNb	7	aCu	8	0		oc									
	"	18h	1018.0	+3	NNW	2	o	51	85	8	4000	Sc Cu	10	-	10	0											
	"	7h	1022.5	+2	NNW	1	c-	45	92	8	4000	Sc Cu	7	-	7	0		ob_1o	cbo	oc	54	54		0.2	-	1330	
8th	Valencia.	7h	1023.3	+3	NE'E	1	b	46	75	9	4000	Sc Cu	3	-	3	0				bw	51	37	31		-		0.4
	Roches Pt.	13h	1022.0	-1	SE	1	bc-	53	75	9	5700	Cu	2	-	2	0	cbv	bbcbv									
	"	18h	1021.9	0	SW	2	bc-	53	85	9	5700	Cu	2	-	2	0			bw	b	55	42			trace		
9th	"	7h	1021.5	0	NNW	2	b+	46	92	8	-	-	0	Ci	2	0											
	"	13h	1019.5	-1	NNW	2	o	55	75	8	4000	Sc Cu	10	-	10	0	bco	oc									
	"	18h	1017.2	-2	NNW	3	c+	54	85	9	5700	Sc Cu	7	-	7	0			bbcc	c	56	42		-	-		
	"	7h	1015.1	-1	NNW	3	c+	44	92	8	4000	Sc Cu	7	-	7	0			l_1l_1r	l_1l_1r	54	40			0.6		
	Blacksod Pt.	7h	1013.8	-3	WNW	4	bc	44	75	8	-	CuNb	6	-	6	4			bcb	bbccp	55	46	39		0.1	0430	6.4
10th	Valencia.	7h	1017.1	0	NNW	4	cbr_0	47	75	8	2500	Sc Cu	7	aCu	8	3											
	Roches Pt.	13h	1013.1	-2	NW	5	c+	50	75	9	4000	CuNb	7	-	7		ch_2										
	"	18h	1014.5	+1	N	5	c+	48	75	8	4000	CuNb	7	-	7	0		cb_0c									
11th	"	7h	1018.8	+1	WNW	4	o	41	75	8	4000	Sc Cu	10	-	10	0			cbw	bo	55	38		0.5	trace	1230	
	"	13h	1015.9	-4	WNW	4	c	51	75	8	4000	CuNb	8	-	8		ob_1c										
	"	18h	1010.9	-7	W	4	orr	48	97	6	2500	Nb	10	-	10	3		cob_0r_1m									
12th	"	7h	1003.5	-2	NW	5	c	44	85	8	2500	CuNb	7	-	7	3			rro	oc	53	42		1	4	1100	
	"	13h	1003.2	0	NW	5	c	49	75	8	2500	CuNb	7	-	7												
	"	18h	1003.4	+1	NNW	5	cbr_0	40	97	9	2500	CuNb	8	-	8	3	cb_0	$cb_0cb_1h_1$									
	"	7h	1007.9	+1	NNW	4	bc+	41	85	8	4000	CuNb	3	Ci	4	0			b	cbb	51	37		2	0.5	1100	
	Birr Castle.	7h	1006.0	#	W	-	bc	38	65	6	-	Sc Cu	4	CiCu	6				ber	co	34	31			0.2	<2100	
13th	Valencia.	7h	1010.6	-1	NNW	4	obr_0	41	85	6	1500	Sc	10	-	10	4			bccbs	cbsbc	49	39	35		3	<2100	6.7
	Roches Pt.	13h	1008.0	0	NNW	4	c-	48	85	8	4000	CuNb	8	-	8		cb										
	"	18h	1006.7	-1	WNW	4	o1	44	92	8	4000	CuNb	9	-	9	0		cb									
14th	"	7h	1006.1	0	WNW	4	bc+	40	85	8	2500	CuNb	4	-	4	0			cb$_0$	bc	48	37		0.6	0.4	1100	
	"	13h	1005.1	0	WNW	5	c+	52	85	9	2500	CuNb	8	-	8	0											
	"	18h	1007.5	+2	NW	5	o	46	92	9	4000	CuNb	9	-	9	0	cb_0ch_2	cb$_0$									
	"	7h	1009.9	-1	WSW	4	o	44	92	8	-	-	0	ASc	10	3			oco	oo	53	41		1	-	0200	

‡ The barometric change is expressed in half millibars.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. CORRECTIONS AND ADDITIONS, May 1923.

II.—ADDITIONS.

Report for	STATION.		Barom. at M.S.L. m.b.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility. 0-9	Height of Low Cloud. Feet	Cloud. Low. Form.	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9	SUMMARIES FOR THE PAST 24 HOURS. WEATHER. 7h.-13h.	13h.-18h.	18h.-1h.	1h.-7h.	TEMPERATURE. MAX. Day. 7h.-19h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-1dh.	Night. 18h.-7h.	Precipitation began.	SUN. Hours.
14th	Grain.	7h	1005·5	+3	W	3	b-	46	85	6	-	-	0	acu	1	0			cbb	bb	54	39	35				
15th	Roches Pt.	13h	1006·2	-4	WSW	5	or$_o$r$_o$	47	95	6	5700	Nb	10	-	10	3	or$_o$r$_o$	obr$_o$h$_o$r$_o$								3·8
	..	18h	1004·1	-4	W	3	or$_o$	46	92	6	5700	Nb	10	-	10	3										
	..	7h	1003·6	0	WNW	3	bc+	42	85	6	4000	CuNb	10	-	10	3			cpb	bbc	53	39		1	1	
	Blacksod Pt.	7h	1003·0	+1	N	5	c	47	75	7	-	CuNb	8	-	8	5			c	c	49	36			0·3	
	Birr Castle.	7h	1000·7	*	W	3					2500	Cu	6	-	6				co	PR	coiR	37	34			
16th	Blacksod Pt.	13h	1005·1	+2	N	1	bc$_o$r	42	92	6	-	CuNb	7	-	7										2	42100
	..	18h	1007·5	+1	N	5	c	51	75	7	-	CuNb	10	-	10	6	c	c								
	..	7h	1011·6	+3	NW	5	obr$_o$	47	65	7	-	CuNb	10	-	10	6										
	Roches Pt.	13h	1004·0	0	WSW	3	c	55	75	8	-	CuNb	8	-	8	4			c	c	51	38		1	1	
	..	18h	1005·4	+1	NNW	5	c	48	85	8	2500	CuNb	8	-	8	3	cp$_o$	cp$_o$								
	..	7h	1009·6	+1	NNW	4	c	45	85	8	2500	CuNb	8	-	8	3			cp	cp	54	42			2	
	Valencia.	7h	1011·7	+2	NNW	5	c-	47	75	8	2500	Sc Cu	6	acu	7	5			cbcbp	obc	52	43	40	0·6	2	
	Naurn.	7h	1000·5	*	NNE	2	c	38	85	8	1500	CuNb	8	-	8				cq$_v$	urcg		37			1	42100
17th	Blacksod Pt.	13h	1013·5	+2	NW	5	bc	47	75	8	-	CuNb	6	-	6											10 4
	Roches Pt.	13h	1012·7	+3	NNW	4	c	52	65	8	4000	Cu	7	-	7		c									2·3
	..	18h	1014·8	+3	NNW	4	c	48	75	8	2500	Sc Cu	2	Ci	7	3	cp$_o$p$_o$r$_o$hc	cp								
	..	7h	1019·6	+3	NNW	4	b+	45	85	8	4000	Cu	2	-	2				cp$_o$	cp$_o$b	53	42		0·4	0·5	1100	
	Valencia.	7h	1021·5	+4	N'W	4	c-	47	75	9	4000	Sc Cu	8	-	8	3				oc	51	44	39		0·3	2200	8·0
18th	Roches Pt.	13h	1021·1	+2	NNW	4	c	53	65	8	4000	Sc Cu	8	-	8		pbcc										
	..	18h	1021·5	+1	NW	3	o	53	75	8	4000	Sc Cu	6	asc	10	0		co								
	..	7h	1022·0	0	-	0	or$_o$r$_o$	47	97	6	2500	Nb	10	-	10	0			or$_o$r$_o$	rr$_o$om	55	45		-	2	42100	
	..	13h	1022·3	0	SW	1	o	50	92	9	2500	Sc Cu	10	-	10		rrmoc										
	..	18h	1021·0	-1	NW	4	c-	52	85	8	4000	Sc Cu	10	-	10	0		oc								
	..	7h	1018·2	-1	NW	2	o	46	92	8	2500	Sc Cu	10	-	10	0			ob	bo	56	46		2	-		
	Valencia.	18h	1023·6	-1	NW	4	c	48	75	8	1500	Sc Cu	8	-	8	3		bcop$_o$									
	..	7h	1019·7	-1	WNW	4	obr$_o$	48	85	7	1500	Sc	7	asc	10	3				cop	53	47	43	0·2	15	0900	4·4
	Blacksod Pt.	7h	1015·4	-3	WNW	4	o	48	92	6	-	Nb	10	-	10	3											
20th	Spurn Hd.	7h	1012·7	-3	NW'N	4	o-	46	92	6	4000	Sc Cu	10	-	10	3											
	Roches Pt.	13h	1016·2	-1	WNW	3	o	53	92	7	4000	Sc Cu	10	-	10		o										
	..	18h	1014·4	-1	WNW	3	o	51	85	8	2500	Sc Cu	10	-	10	0		op$_o$o									
	..	7h	1008·2	-3	WSW	4	or$_o$r$_o$	49	97	6	1500	Nb	10	-	10	3			or$_o$r$_o$	r$_o$r$_o$m	55	47		0·4	1	2200	
21st	Cattewater.	7h	1013·1	0	WSW	3	cjp	49	92	8	2500	Sc Cu	9	-	9	1			ocbc	coroc		47	45		0·2		0·2
	Valencia.	13h	1009·8	+2	WNW	3	o	53	85	8	1500	Sc Cu	10	-	10	0	o										
	..	18h	1010·6	+1	WNW	3	o	52	85	8	1500	Sc Cu	10	-	10	3		co									
	..	7h	1014·8	+2	WNW	3	o-	50	85	7	1500	Sc	6	asc	9	3				o	53	48	44	-	trace	2100	0·9
	Roches Pt.	13h	1001·7	0	NW	4	o	55	75	9	2500	Sc Cu	8	-	8												
	..	18h	1009·6	+1	NW	3	o	54	85	8	1500	Sc Cu	10	-	10	0	r$_o$r$_o$o	oco									
22nd	..	7h	1014·4	+1	WNW	3	o-	51	85	8	4000	Sc Cu	10	-	10	0			o	oo	55	48		0·3	-	0800	
	..	13h	1014·6	0	NW	2	o	57	85	8	4000	Sc Cu	10	-	10	0	oo										
	..	18h	1014·4	0	W	3	o	55	85	8	-	-	0	asc	10	3		oo									
	..	7h	1016·3	+1	WSW	3	o	49	92	8	2500	Sc Cu	10	-	10	0			op$_o$oc	oo	59	49		-	0·1	2100	
23rd	..	13h	1014·8	-1	WSW	3	c-	60	85	8	4000	Sc Cu	8	-	8												
	..	18h	1014·4	0	WSW	3	c	55	92	8	4000	Sc Cu	8	-	8	0	ocp$_o$	coc									
	..	7h	1015·1	0	N	2	o	48	97	8	2500	Sc Cu	10	-	10	0			or$_o$	r$_o$o	61	48		0·1	0·3		
24th	Shoeburyness	18h	1015·6	0	W	2	c-	60	75	7	4000	Sc Cu	7	acu	8												
	Roches Pt.	13h	1019·4	+2	NE	3	c-	55	65	9	4000	CuNb	7	-	7		bcbbcc										
	..	18h	1021·4	+2	NNW	3	b-	54	65	8	4000	Cu	3	-	3	0	o=										
	..	7h	1027·2	+2	NW	3	o	40	85	8	4000	Sc Cu	10	-	10	0		cbc									
25th	Blacksod Pt.	7h	1025·9	-1	W'N	4	o	47	65	8	-	Sc Cu	10	-	10	3			b	bo	59	38		-	-		
	Blacksod Pt.	18h	1020·4	-4	W'N	4	o/f	50	97	7	-	-	0	asc	8	4				c	51	38		-	-		
	..	7h	1019·1	0	NW	6	c	48	75	7	-	CuNb	8	-	8	6		form		b	51	43		0·6	0·5		
	Roches Pt.	13h	1027·1	-1	NW	2	o	52	75	8	4000	Sc Cu	10	-	10		oco										
	..	18h	1024·8	-2	WNW	3	o	52	85	8	4000	Sc Cu	9	-	9	0		oco									
	..	7h	1018·4	-1	NW	4	o	49	92	8	4000	Sc Cu	10	-	10	0			oc	co	55	47		-	-		
26th	Blacksod Pt.	18h	1021·6	+1	N'W	6	c	47	75	7	-	CuNb	8	-	8	2		c									
	..	7h	1020·7	+1	N	7	c	47	75	8	-	CuNb	7	-	7	7				c	51	39		0·3	1		
	Roches Pt.	13h	1017·2	-1	NW	5	c-	53	75	8	4000	CuNb	7	-	7		op$_o$c	cbc									
	..	18h	1017·0	0	NW	5	bc-	51	75	8	4000	CuNb	3	acu	5	3											
	..	7h	1018·0	0	NNW	5	c	44	85	8	4000	CuNb	7	-	7	3			bbcc	c	56	42		0·1	-		
27th	Calshot.	13h	1010·8	-3	WNW	5	c	55	55	8	4000	Sc Cu	8	-	8	3											
	Esildaitmuir.	13h	1013·0	+2	NE	5	ojp	48	75	8	2500	Sc Cu	9	-	9	0											
	Roches Pt.	13h	1018·0	0	NNW	5	c	51	65	8	4000	CuNb	7	-	7	1	c										
	..	18h	1018·2	0	NNW	5	b-	51	75	8	4000	CuNb	3	-	3	3		cp$_o$bcb									
	..	7h	1018·8	0	NW	4	o	46	92	8	4000	CuNb	10	-	10	0			b	bo	55	43		trace	-		
28th	Cattewater	7h	1014·1	0	NE	2	o-	47	85	7	2500	Sc Cu	9	-	9	0			bcc	bc	51	43			-		4·3
	Roches Pt.	13h	1019·9	+1	NW	3	c-	51	85	8	4000	CuNb	4	Ci	7		op$_o$c										
	..	18h	1020·3	0	SSE	1	c	52	85	7	4000	CuNb	7	-	7	0		ccg									
29th	..	7h	1022·8	0	NNE	3	o	48	92	8	-	-	0	asc	10	0			cb	bo	56	44		0·6	-		
	..	13h	1022·7	0	E	3	or$_o$r$_o$	49	92	7	2500	Nb	10	-	10		or$_o$r$_o$										
	..	18h	1023·5	+2	NE	2	bc-	48	85	8	-	-	0	acu	4	0		r$_o$r$_o$cbc									
	..	7h	1025·5	0	N	3	o	45	85	8	4000	Sc Cu	10	-	10	0			bw	bo	56	41		2	0·1	0800	
30th	..	13h	1024·2	-1	NE	4	c	60	65	8	4000	Cu	7	-	7		cbbc										
	..	18h	1022·6	-1	ESE	3	b-	59	55	8	-	-	0	Ci	3			bcb									
	..	7h	1020·2	0	NNE	3	o	46	85	8	-	-	0	asc	10	0			bw	bo	60	43		-	trace		
31st	Scilly.	7h	1015·7	-1	ENE	4	o	49	85	8	4000	Sc Cu	10	-	10	4				cmo	55	47			-		2·4
	Roches Pt.	13h	1019·6	0	E	3	o	49	85	7	-	-	0	asc	10		o										
	..	18h	1018·5	-1	E	3	c+	50	85	7	2500	Sc Cu	7	-	7	3		oc									
	..	7h	1022·1	+1	E	3	b	49	85	6	-	-	0	-	0	3			bw	bz	52	46		-	0·1		

‡ The barometric change is expressed in half millibars.