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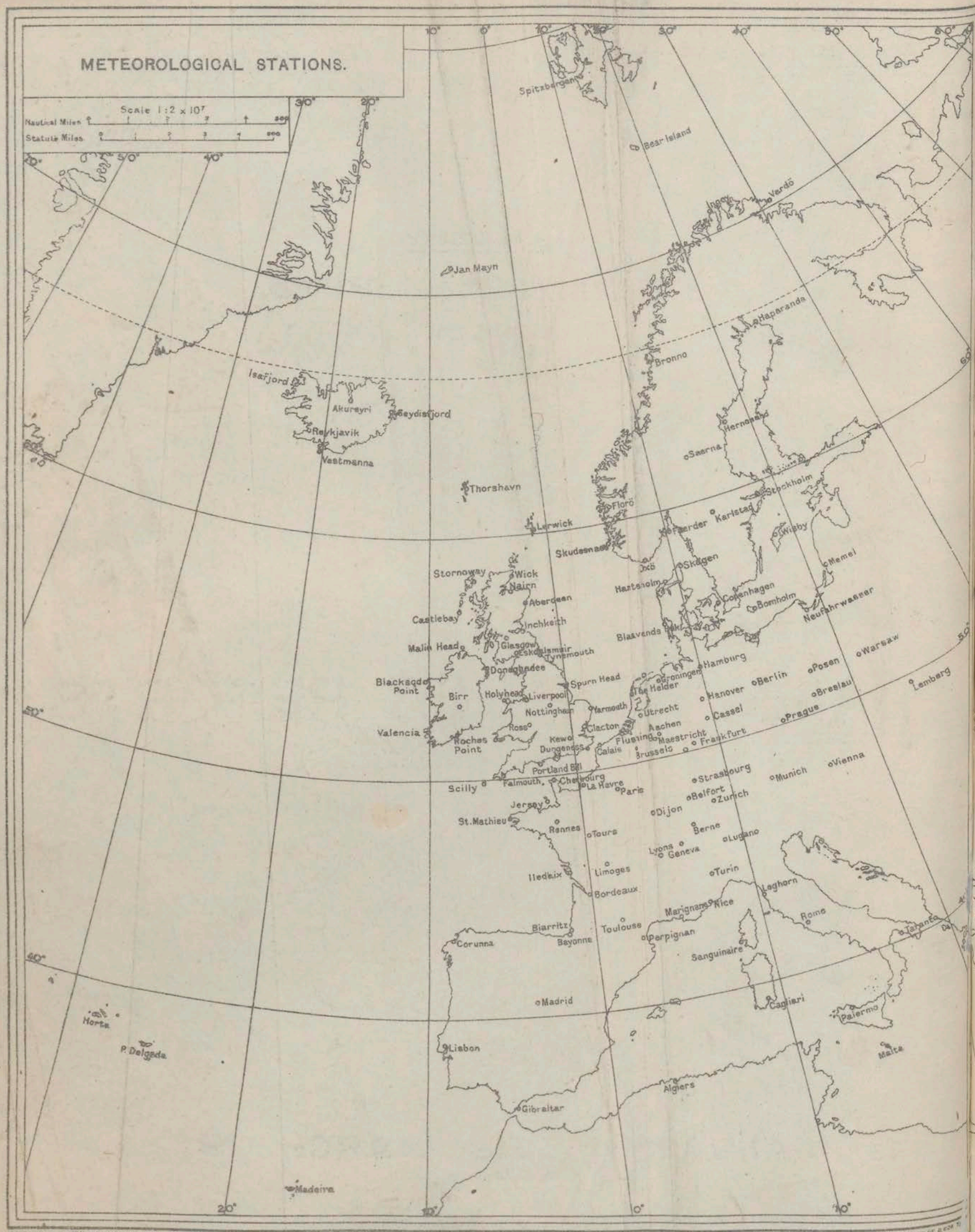
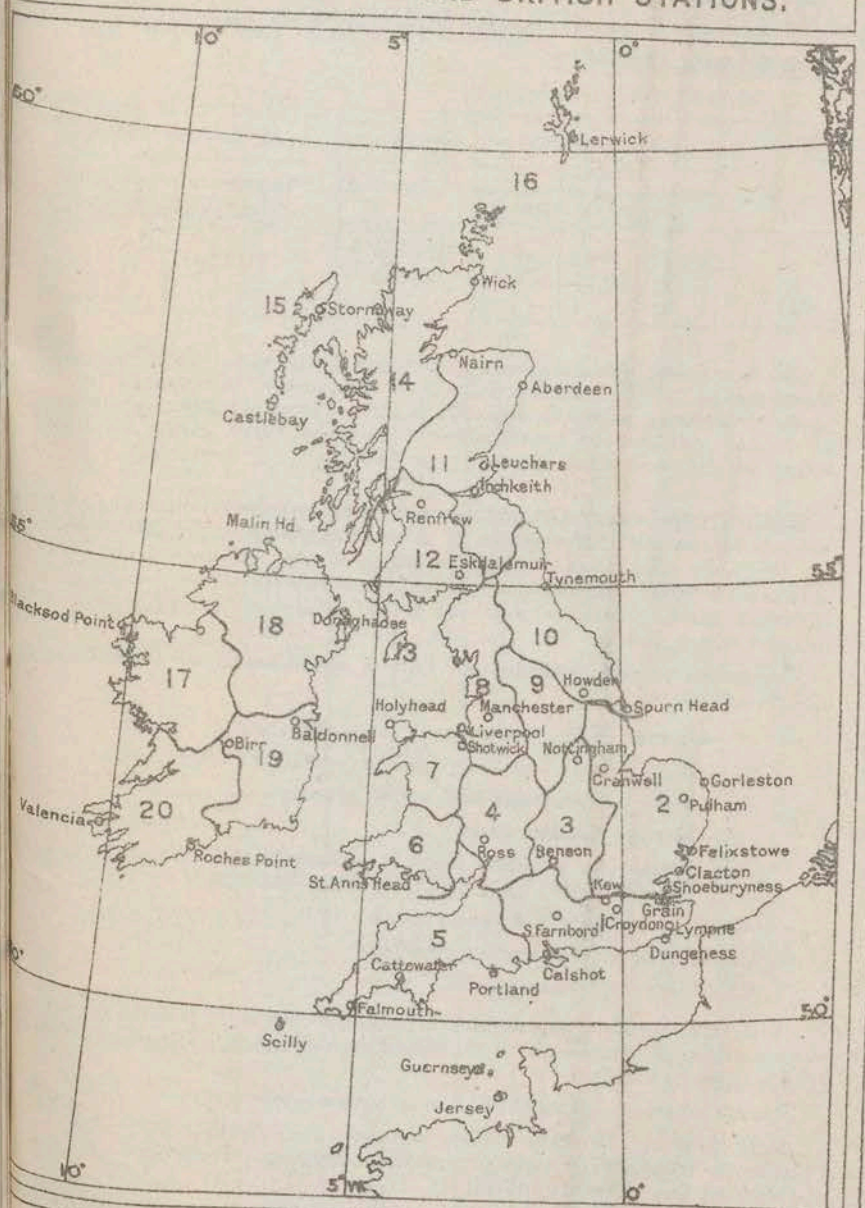
DAILY WEATHER REPORTS

1ST JANUARY TO 31ST MARCH, 1922.

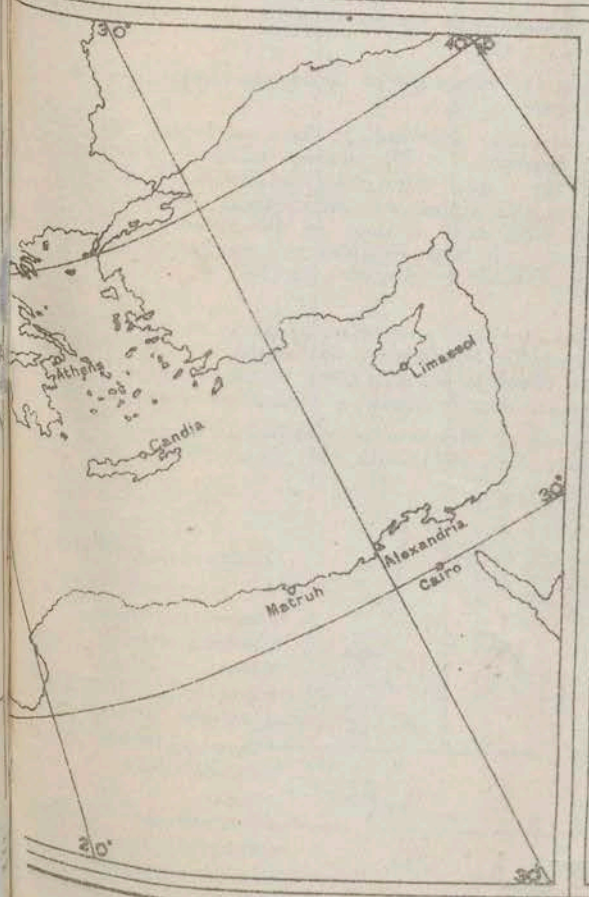


H.M. Stationery Office Press, Kingsway, W.C.2.

FORECAST DISTRICTS AND BRITISH STATIONS.



STATIONS USED FOR UPPER AIR SUPPLEMENT.



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

BEAUFORT NOTATION.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three quarters covered).
o overcast sky. d drizzle.
f fog. h hail.
KQ line squall. l lightning.
m mist. p passing showers.

BEAUFORT NOTATION.

q squalls. r rain.
rs sleet, *i.e.*, rain and snow.
s snow. t thunder.
v unusual visibility.
w dew. x hoar frost.
y dry air ; humidity less than 60 per cent.
z dust haze ; the turbid atmosphere of dry weather.

WEATHER SYMBOLS.

Clear sky ○ Sky ½ clouded ◐
Sky ¼ clouded ◔ Sky ¾ clouded ◕
Overcast sky ● Rain falling ●
Snow ✳ Sleet ✳
Fog ≡ Hail ▲
Thunder T Mist ≡
Lightning ↯ Thunderstorm T↯

Capital letters indicate intensity, suffix $_o$ indicates slight, and repetition of letters continuity, thus :–
R = heavy rain. rr = continuous moderate rain. $r_o r_o$ = continuous slight rain.

AIR MINISTRY.

METEOROLOGICAL OFFICE, LONDON.

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

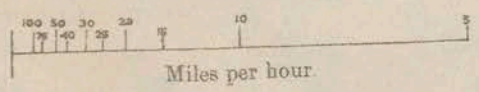
Pressure.—The distribution of barometric pressure at Mean Sea Level is shown by means of isobars which are drawn for intervals of 2 millibars on the British Section of the Report and for intervals of 4 millibars on the International Section.

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 $1 : 2 \times 10^7$ Charts.
or 2 mb " " $1 : 10^7$ "
or 1 mb " " $1 : 5 \times 10^6$ "



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.

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 5°	10°	15°	wet bulb. 20°	25°	Dry Bulb. °F.	Air pressure 600 mb. Depression of 5°	10°	15°	wet bulb. 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 5°	10°	15°	wet bulb. 20°	25°	Dry Bulb. °F.	Air pressure 1000 mb. Depression of 5°	10°	15°	wet bulb. 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. (Not at present recorded.)

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

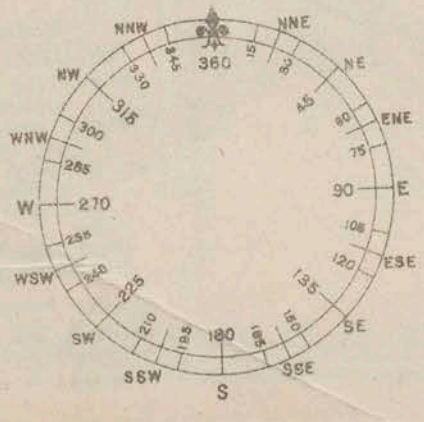
It is to be noted that there is an ambiguity of 180° in the determination of direction.

Rainfall.—The site of the raingauge at Grain was changed on 4th. February, to one with a better exposure.

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.

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.)



Notes.—Ships' Reports.

CODE FOR SWELL.

0 No or slight Swell	Sea Smooth to Moderate
1 Moderate Swell ..	
2 Heavy " ..	
3 Long low " ..	
4 Confused " ..	
5 No or slight Swell	Sea Rough or above.
6 Moderate Swell ..	
7 Heavy " ..	
8 Long low " ..	
9 Confused " ..	

VISIBILITY.

Visibility 9 has the significa[illegible] "Fog in patches": other numb[illegible] approximately as in land repor[illegible]

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

FIRST QUARTER, JANUARY TO MARCH.

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

	STATIONS.	PRESSURE. 1906-1915. 7 a.m. Observations (reduced to M.S. Level).	AIR TEMPERATURE. Means of 1906-1915. Dry Bulb 7 a.m.	Means of 1881-1915. Daily Maximum.	Means of 1881-1915. Daily Minimum.	Absolute Extremes. 1881-1915. Maximum. Temp.	Maximum. Year.	Minimum. Temp.	Minimum. Year.	RAINFALL. 1881-1915. Days with Rain.	Total Fall.		BRIGHT SUNSHINE. 1881-1915. Daily Mean.	Per Centage of Possible Duration.
		mb.	°F.	°F.	°F.	°F.		°F.			mm.	in.	hr.	%
JANUARY.	Lerwick	1007·0	39·6	42·6	35·6	52	1898	? 16	1910	27	108	4·26	—	—
	Stornoway	1008·3	40·3	43·7	34·9	55	1890	11	1881	25	131	5·17	0·90	13
	Castlebay (Barra Isd.)	[1009·0]§	[43·0]§	[45·6]§	[39·3]§	[52]§	[1908, 09, 10, 14]§	[28]§	[1910]§	[24]§	[80]§	[3·16]§	[0·97]§	[13]§
	Eskdalemuir	[1012·7]¶	[34·8]¶	[39·6]‖	[30·4]‖	[51]‖	[1910, 11, 15]‖	[3]‖	[1910]‖	[21]‖	[114]‖	[4·48]‖	[1·03]‖	[14]‖
	Malin Head	1010·3	41·1	[44·4]*	[37·4]*	[55]*	[1898]*	[23]*	[1894]*	[22]*	[66]*	[2·61]*	—	—
	Blacksod Point	1011·9	43·7	[46·5]*	[38·8]*	[56]*	[1890]*	[26]*	[1891, 94]*	[25]*	[129]*	[5·09]*	—	—
	Valencia	1014·9	44·4	48·5	40·2	55	1882,3,4,8,90,98,1901	20	1894	24	139	5·49	1·55	19
	Roche's Point	1016·0	43·2	47·5	39·4	57	1889	20	1894	21	105	4·15	—	—
	Birr Castle	1014·3	39·3	45·2	34·3	57	1898	6	1881, 94	20	72	2·83	1·61	20
	Donaghadee	1013·5	40·5	44·8	36·3	58	1898	14	1881	20	64	2·53	—	—
	Liverpool (Observatory)	1015·4	38·7	43·3	35·3	58	1898	9	1881	17	54	2·12	[1·94]§	[24]§
	Holyhead	1014·8	42·3	45·2	38·4	54	1899, 1915	20	1894	19	74	2·91	[1·42]**	[18]**
	Pembroke (St. Ann's Hd.)	1015·9	42·9	45·9	39·4	53	1899, 1907, 14	19	1881, 94, 1907	20	84	3·31	1·71	21
	Scilly (St. Mary's)	1017·3	45·6	49·1	42·3	57	1899	25	1894	21	76	2·98	1·90	23
	Falmouth	1018·0	43·1	46·9	39·9	55	1888, 90, 96	20	1894	20	107	4·21	1·87	22
	Jersey (St. Aubin's)	1019·0	42·8	46·6	38·6	57	1899	12	1891	20	75	2·94	2·19	26
	Portland Bill	1016·5	43·0	45·5	38·7	[52]†	[1901, 03, 05,† 11, 12, 13, 15]	[23]†	[1907]†	16	57	2·26	—	—
	Dungeness	1016·6	39·4	43·8	34·7	55	1898	11	1893	16	48	1·90	—	—
	Dover	[1015·5]§	[38·1]§	[43·2]§	[34·4]§	[55]§	[1914]§	[17]§	[1910]§	[18]§	[57]§	[2·25]§	[2·10]§	[25]§
	Wick	1008·5	38·0	42·5	33·3	60	1898	−4	1881	21	62	2·46	—	—
	Nairn	1009·5	36·9	42·6	31·8	59	1887	4	1910	18	51	1·99	[1·32]‡	[18]‡
	Aberdeen	1011·1	37·1	42·3	33·4	59	1898	4	1881	18	55	2·18	1·55	21
	Leith	1012·0	39·2	44·0	34·2	58	1898	9	1881	15	42	1·66	—	—
	Tynemouth	1013·5	38·5	43·5	33·6	58	1898	6	1881	15	41	1·63	—	—
	Spurn Head	1014·3	38·3	42·1	34·7	55	1898	13	1881	15	35	1·36	[1·29]**	[16]**
	Yarmouth	1015·9	37·8	41·8	33·7	57	1899	10	1881	18	44	1·74	[1·81]§	[22]§
	Clacton-on-Sea	1016·8	37·7	41·8	33·9	[55]‡	[1914]‡	[18]‡	[1915]‡	14	34	1·34	1·87	23
	Nottingham	1015·7	37·1	42·6	32·6	56	1882, 88, 98, 99	2	1881	19	46	1·81	1·10	14
	LONDON (Kew Obsy.)	1017·5	38·3	43·1	34·6	56	1908, 10, 14 1910	9	1881	16	45	1·76	1·39	17
FEBRUARY.	Lerwick	1002·6	39·0	42·1	34·5	53	1910	17	1895	23	80	3·16	—	—
	Stornoway	1004·0	39·2	44·1	34·2	55	1891	12	1892	22	113	4·46	2·06	22
	Castlebay (Barra Isd.)	[1005·0]§	[42·7]§	[45·8]§	[38·9]§	[52]§	[1914]§	[27]§	[1912]§	[22]§	[91]§	[3·58]§	[1·76]§	[19]§
	Eskdalemuir	[1007·6]¶	[35·4]¶	[41·9]‖	[31·6]‖	[51]‖	[1912]‖	[10]‖	[1912]‖	[22]‖	[183]‖	[7·19]‖	[1·60]‖	[16]‖
	Malin Head	1005·8	40·7	[44·6]*	[37·1]*	[59]*	[1891]*	[20]*	[1895]*	[19]*	[61]*	[2·41]*	—	—
	Blacksod Point	1008·0	42·9	[46·7]*	[38·1]*	[61]*	[1891]*	[23]*	[1912]*	[22]*	[103]*	[4·06]*	—	—
	Valencia	1010·6	43·5	48·8	39·7	58	1891	22	1895	21	132	5·20	2·48	25
	Roche's Point	1011·4	42·5	47·8	39·1	56	1889, 1896	25	1895, 1900, 02, 12	18	94	3·70	—	—
	Birr Castle	1009·7	39·1	46·7	34·4	60	1912	6	1895	17	58	2·29	2·41	25
	Donaghadee	1009·4	40·0	45·6	36·1	57	1897, 1903, 11	16	1895	18	58	2·20	—	—
	Liverpool (Observatory)	1010·7	38·7	44·2	35·6	59	1885, 1898	12	1895	16	42	1·68	[2·66]§	[28]§
	Holyhead	1010·2	41·9	45·4	38·0	59	1891	17	1895	17	62	2·43	[2·50]**	[26]**
	Pembroke (St. Ann's Hd.)	1011·3	42·2	45·6	38·9	56	1903	23	1895	17	[illegible]	2·66	2·70	28
	Scilly (St. Mary's)	1012·8	45·1	48·9	41·7	57	1896, 1899	27	1895	17	65	2·57	3·01	30
	Falmouth	1013·8	42·6	47·1	39·6	58	1899	22	1895	17	94	3·70	2·98	30
	Jersey (St. Aubin's)	1015·2	42·4	47·3	38·7	62	1891	18	1895	17	62	2·44	3·30	33
	Portland Bill	1012·5	42·4	45·6	38·5	[54]†	[1905]†	[24]†	[1912]†	13	49	1·93	—	—
	Dungeness	1012·9	39·5	44·5	35·2	57	1897	11	1889	15	41	1·60	—	—
	Dover	[1014·1]§	[39·4]§	[45·6]§	[35·9]§	[56]§	[1913]§	[17]§	[1912]§	[17]§	[43]§	[1·68]§	[3·16]§	[32]§
	Wick	1003·9	37·8	42·8	32·8	57	1897, 1903	2	1895	19	58	2·27	—	—
	Nairn	1005·0	36·8	43·9	31·3	64	1891	0	1895, 97	17	46	1·80	[2·59]‡	[28]‡
	Aberdeen	1006·7	37·7	43·2	33·4	64	1897	6	1895	17	52	2·05	2·59	28
	Leith	1007·2	38·8	45·2	33·8	59	1882	12	1895, 1912	14	36	1·42	—	—
	Tynemouth	1008·7	38·5	44·5	33·7	60	1898, 99	7	1895	14	35	1·37	—	—
	Spurn Head	1010·0	38·7	43·0	35·1	61	1899	20	1895	14	31	1·21	[2·79]**	[29]**
	Yarmouth	1012·1	38·1	42·9	34·0	60	1912	15	1895	15	38	1·49	[2·84]§	[29]§
	Clacton-on-Sea	1012·9	38·1	42·9	34·4	[58]‡	[1903]‡	[18]‡	[1912]‡	12	32	1·25	2·94	30
	Nottingham	1011·4	37·6	44·6	33·2	61	1899	2	1895	16	39	1·55	2·06	21
	LONDON (Kew Obsy.)	1013·5	38·5	45·0	35·1	62	1899	11	1895	13	39	1·54	2·13	22
MARCH.	Lerwick	1005·7	38·3	42·9	34·4	57	1893	19	1891	25	80	3·14	—	—
	Stornoway	1007·4	38·6	45·3	34·4	57	1894, 1907	13	1881	24	104	4·10	3·39	29
	Castlebay (Barra Isd.)	[1006·7]§	[41·7]§	[45·7]§	[38·5]§	[52]§	[1911]§	[27]§	[1915]§	[22]§	[77]§	[3·02]§	[3·87]§	[33]§
	Eskdalemuir	[1007·2]¶	[35·2]¶	[44·2]‖	[31·9]‖	[55]‖	[1910, 1915]‖	[16]‖	[1913]‖	[21]‖	[133]‖	[5·24]‖	[3·10]‖	[26]‖
	Malin Head	1008·2	40·7	[46·0]*	[37·7]*	[62]*	[1894]*	[25]*	[1906]*	[21]*	[59]*	[2·32]*	—	—
	Blacksod Point	1009·8	42·7	[47·9]*	[38·6]*	[64]*	[1894, 1899]*	[26]*	[1891, 1900, 09]*	[23]*	[104]*	[4·10]*	—	—
	Valencia	1011·8	43·4	50·0	39·9	66	1899	26	1899, 1901	21	115	4·54	3·97	34
	Roche's Point	1012·2	42·5	49·3	39·2	61	1899	27	1890	18	76	3·01	—	—
	Birr Castle	1011·0	38·8	49·2	34·6	66	1894	18	1891	18	61	2·40	3·55	30
	Donaghadee	1010·1	39·9	47·4	36·7	64	1892	25	1892, 1906	19	56	2·19	—	—
	Liverpool (Observatory)	1011·0	39·6	46·9	36·9	65	1884, 94, 1907	21	1886	17	48	1·90	[3·52]§	[30]§
	Holyhead	1010·8	41·9	46·9	38·4	67	1894	27	1881	18	67	2·62	[4·06]**	[35]**
	Pembroke (St. Ann's Hd.)	1011·7	41·9	46·7	39·0	58	1899	26	1888, 1909	17	66	2·58	4·19	36
	Scilly (St. Mary's)	1012·6	45·0	49·9	42·0	59	1893	30	1883, 90, 91	18	62	2·45	4·52	38
	Falmouth	1013·4	42·7	48·7	39·8	60	1914	24	1890	18	88	3·46	4·45	38
	Jersey (St. Aubin's)	1014·1	43·4	49·9	39·9	66	1893, 94, 1903	21	1890	18	64	2·51	4·74	40
	Portland Bill	1011·8	42·7	47·5	39·1	[59]†	[1900]†	[26]†	[1909]†	15	51	2·02	—	—
	Dungeness	1011·8	40·7	47·0	36·4	60	1903	12	1909	15	45	1·76	—	—
	Dover	[1010·8]§	[40·8]§	[47·4]§	[37·0]§	[58]§	[1911, 15]§	[17]§	[1909]§	[20]§	[64]§	[2·50]§	[3·97]§	[34]§
	Wick	1006·7	37·7	44·9	33·8	62	1894	10	1900	21	58	2·27	—	—
	Nairn	1007·4	36·6	46·4	32·6	66	1907	6	1892	19	48	1·87	[3·81]‡	[33]‡
	Aberdeen	1008·3	38·0	45·7	34·4	66	1889, 91, 92	10	1889	20	61	2·41	3·77	32
	Leith	1008·7	39·3	47·7	34·9	68	1884	19	1881, 89	17	44	1·75	—	—
	Tynemouth	1009·4	38·7	46·9	34·4	67	1907	15	1889	16	46	1·81	—	—
	Spurn Head	1009·9	39·5	45·7	36·3	62	1890, 93, 1903	24	1886	15	36	1·40	[3·71]**	[32]**
	Yarmouth	1011·1	39·2	45·8	35·4	65	1906, 14	18	1892	17	44	1·75	[3·77]§	[32]§
	Clacton-on-Sea	1010·9	39·5	46·2	35·8	[60]‡	[1912, 14]‡	[19]‡	[1909]‡	13	37	1·44	4·23	36
	Nottingham	1011·2	38·2	48·3	34·3	68	1884	14	1909	18	42	1·65	3·39	29
	LONDON (Kew Obsy.)	1012·6	39·3	48·7	36·0	67	1896	17	1909	14	43	1·69	3·39	29

* 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.

(7055—12.) Wt. 47589—8458. 3000. 4/16. D & S. G. 3.

‡ The barometric change is expressed in half millibars.

AIR MINISTRY.

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 JANUARY, 1922.

The first month of the New Year was of a very variable character with frequent gales on exposed parts of the coasts, much snow locally, some heavy rain and a wide range of temperature. On the 1st or 2nd under the influence of a strong Westerly current of air temperature remained above 50° at night in many districts and rose during the day to 57°, a figure unusually high for the time of year though not altogether unprecedented. Subsequently there was a marked drop in temperature as the wind shifted to North and rather cold weather prevailed for three or four days.

An anticyclone which spread over the British Isles on 12th - 13th was associated with severe frost at night and the development of local fog. Such conditions caused the thermometer to remain below freezing point all day in some parts. Two days later, on Sunday, the 15th, widespread snowstorms were occasioned by the passage of a trough of low pressure which crossed Great Britain at night, accompanied by gales on the South and East coasts. On the 18th temperature fell as low as 16° at Cranwell and 8° at Eskdalemuir in the early morning but the approach of a large depression from the Atlantic caused a rise of 20° to 30° in temperature during the day in some districts and considerable rainfall at night in the Southeast.

Tuesday, the 24th, was noteworthy for its low day temperature: at 7h there were a few degrees of frost but under the influence of Easterly winds the cold became more intense during the morning and at 1 p.m. the thermometer stood at 27° at Kew and elsewhere fell as low as 24° at Lympne and Pulham.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

			Land Reports.
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 "

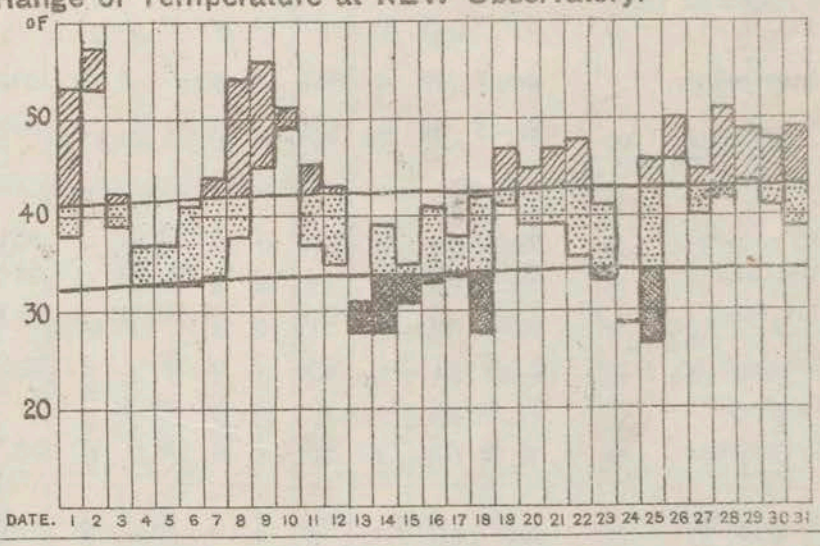
For making reports of visibility a set of "objects" is chosen at each station at certain specified distances. The degree of visibility is judged by noting the most distant of these objects which can be seen at the time of observation.

Daily Range of Temperature at KEW Observatory.

The vertical columns show extremes of temperature for each day, the top of the column indicating the maximum day temperature and the bottom of the column the minimum night temperature.

The two nearly horizontal lines are smooth curves, showing the normal trend of daily maximum and minimum temperature throughout the month.

Maxima above normal are indicated thus ▧ Minima below normal thus ■



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
...oway	0	0	0	0	10	11	10	0	0	0	0	0	0	0	0	4	15	11	1	0	0	0	0	0	1	5	12	12	1	0	0	0	0	0	0	6	11	14	0	0
...rdeen	*	*	*	*	*	*	*	*	*	*	0	0	1	0	4	10	3	8	5	0	0	0	0	0	0	7	12	5	6	1	0	0	0	0	7	3	10	5	6	0
...burgh (Inchkeith) ...	0	0	0	0	0	2	5	8	15	1	0	0	0	0	0	1	2	9	19	0	0	0	0	0	2	3	9	11	6	0	1	0	0	0	0	2	3	16	9	0
...trew	*	*	*	*	*	*	*	*	*	*	0	0	0	2	5	6	17	1	0	0	0	0	1	3	9	4	7	3	2	2	1	0	4	1	3	9	9	1	3	0
...dalemuir	*	*	*	*	*	*	*	*	*	*	0	0	0	0	2	3	16	5	5	0	0	0	0	1	2	2	12	6	8	0	0	1	1	1	3	1	14	4	6	0
...donnell	0	0	0	0	0	5	11	5	9	1	0	0	0	0	0	2	10	13	6	0	0	0	0	0	0	1	12	11	7	0	0	0	0	0	0	3	11	11	6	0
...y Castle	*	*	*	*	*	*	*	*	*	*	0	0	4	11	6	8	2	0	0	0	0	0	0	0	0	0	8	22	1	0	0	0	0	0	2	8	19	2	0	0
...ncia (Cahirciveen) ...	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	2	2	3	23	1	0	0	0	0	0	0	0	7	19	5	0	0	0	0	0	0	2	7	18	4
...mouth	0	0	4	0	3	4	14	6	0	0	0	0	1	1	2	5	15	7	0	0	0	0	2	4	2	6	14	3	0	0	0	0	2	1	4	8	10	5	1	0
...yhead	0	0	0	0	0	0	9	14	8	0	0	0	0	0	0	0	8	12	10	1	0	0	0	0	0	0	5	15	10	1	0	0	0	0	0	0	10	13	8	0
...erpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	0	3	0	1	2	3	7	4	8	3	0	0	1	3	4	3	3	7	10	0	0	0	1	1	6	5	5	5	6	2
...ingham	*	*	*	*	*	*	*	*	*	*	2	1	2	1	7	9	3	5	1	0	2	0	1	3	5	5	12	3	0	0	2	0	2	1	4	9	10	3	0	0
...nwell	0	4	1	1	5	3	10	6	1	0	0	2	1	3	5	4	8	5	3	0	0	0	2	1	3	6	10	5	4	0	0	3	1	3	5	4	8	6	1	0
...ston	0	0	1	0	2	9	8	10	1	0	0	3	0	0	3	10	5	9	1	0	0	1	0	3	2	6	14	5	0	0	0	1	1	1	2	6	10	9	1	0
...-on-Wye	*	*	*	*	*	*	*	*	*	*	0	3	1	2	5	0	4	3	11	2	0	0	0	1	3	1	6	6	11	3	0	0	0	1	4	2	9	3	11	1
...mon	*	*	*	*	*	*	*	*	*	*	0	0	0	1	5	5	6	6	7	1	0	0	1	2	2	3	7	8	8	0	0	1	0	1	6	2	12	5	4	0
...ndon (Kew Obs.) ...	*	*	*	*	*	*	*	*	*	*	0	2	3	0	0	5	8	3	9	1	1	2	1	0	3	6	10	3	5	0	2	0	1	0	6	9	8	2	3	0
...ydon	0	0	0	0	4	3	13	8	3	0	0	1	0	1	2	8	9	10	0	0	0	1	0	0	1	9	16	4	0	0	0	0	1	2	3	6	14	5	0	0
...ith ...	*	*	*	*	*	*	*	*	*	*	2	0	0	0	3	4	10	7	5	0	0	0	1	1	1	2	13	7	6	0	0	1	0	1	1	1	13	8	6	0
...mpne	0	2	0	0	0	3	15	10	1	0	0	1	0	2	1	4	12	10	1	0	0	0	0	0	1	4	11	5	9	1	0	1	0	0	2	5	7	9	6	0
...mouth (Pendennis) ...	1	0	0	0	0	3	10	16	0	0	1	0	0	0	0	5	9	16	0	0	0	0	0	0	1	5	12	13	0	0	0	0	0	0	0	5	11	15	0	0
...thampton (Calshot) ...	0	1	0	0	2	0	6	10	12	0	0	1	0	0	1	4	7	8	10	0	0	0	0	1	2	1	8	11	8	0	0	1	0	0	1	2	9	9	8	0

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

Fs 3150/400 Wt. 04, D833 775 3/22

SUMMARY OF RECORDS OF TEMPERATURE, SUNSHINE,

Equivalents of Temperature. A.	F°.
263·6	15
265·9	23
268·6	24
273·0	32
273·6	33
278·0	41
278·6	42
283·0	50

STATIONS	Temperature. Number of daily readings within fixed limits. † Maximum. 32 or below	33 – 41	42 – 50	51 – 59	Normal Max.	† Minimum. 23 or below	24 – 32	33 – 41	42 – 50	51 – 59	Normal Min.	Extremes—Warmest and Coldest Days. Highest Maximum.	Date.	Lowest Maximum.	Date.	Nights. Highest Minimum.	Date.	Lowest Minimum.	Date.	Number of Ground Frosts.	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.
					°F.						°F.	°F.		°F.		°F.		°F.											
Stornoway ...	0	10	20	1	43·7	0	1	26	4	0	34·9	51	1	36	4	45	23	31	4	*	18	12	0	16	11	0	16	12	0
Aberdeen ...	1	19	10	1	42·3	1	6	24	0	0	33·2	57	1	32	17	41	2, 31	23	18	13	1	24	0	0	24	1	1	22	1
Edinburgh ... (Inchkeith)	0	19	10	2	*	0	5	24	2	0	*	53	1	33	17	48	2	28	18, 25	8	*	*	*	*	*	*	*	*	*
Renfrew	1	16	12	2	*	1	12	15	3	0	*	53	1	32	17	46	2	17	18	15	3	24	1	7	22	1	6	21	2
Eskdalemuir ...	4	19	7	1	*	3	15	12	1	0	*	53	1	28	17	46	2	8	18	17	7	20	0	13	15	0	14	7	0
Dublin ... ... (Phœnix Park)	0	6	16	9	45·7	2	12	12	5	0	34·6	56	9	40	12, 16, 17	45	1, 9	22	12	14	*	*	*	*	*	*	*	*	*
Baldonnel ...	0	9	14	8	*	1	10	14	5	1	*	55	9	35	24	52	2	22	12	13	8	22	0	4	23	0	4	23	0
Birr Castle ...	0	8	17	6	45·2	0	9	13	8	1	34·3	56	9	36	16, 24	52	2	25	12	11	10	18	0	3	27	0	4	23	0
Valencia ... ... (Cahirciveen)	0	3	20	8	48·5	0	3	4	22	2	40·2	56	9	41	16, 19, 20	53	22	30	12	2	3	27	0	2	29	0	4	27	0
Tynemouth ...	0	19	9	3	43·5	1	6	23	0	1	33·6	56	9	33	15	51	2	22	18	*	0	17	2	0	25	0	0	18	0
Holyhead ...	0	4	23	4	45·2	0	2	18	10	1	38·4	54	1, 2, 9	33	24	52	2	26	25	1	2	25	1	1	24	0	4	23	1
Liverpool ... (Bidston)	1	9	17	4	43·3	0	7	21	3	0	35·3	55	1, 19	29	24	47	2	25	25	15	5	23	0	5	23	0	2	24	0
Nottingham ...	2	15	11	3	42·6	2	12	15	1	1	32·6	57	9	28	24	52	2	21	18	15	10	11	0	10	17	0	4	13	0
Cranwell	4	12	12	3	*	2	14	14	0	1	*	56	9	27	24	51	2	16	18	17	13	14	1	13	14	1	15	9	1
Gorleston ...	1	16	10	4	41·8	1	8	20	1	1	33·7	57	2	27	24	53	2	22	18	6	0	21	4	1	22	2	1	20	4
Ross-on-Wye ...	1	11	10	9	43·8	2	7	18	3	1	33·2	57	2	29	24	52	2	21	13	12	9	17	0	5	22	0	3	24	0
Benson	1	11	14	5	*	3	11	11	5	1	*	57	2	29	24	52	2	21	18	19	*	*	*	*	*	*	*	*	*
London ... ... (Kew Obsy.)	2	8	15	6	43·1	0	7	18	5	1	34·6	57	2	29	24	53	2	27	25	14	4	21	0	3	18	4	2	20	0
Croydon	1	12	12	6	*	0	9	15	6	1	*	56	2	29	24	53	2	25	25	12	15	11	1	10	19	2	9	14	0
Grain	1	11	14	5	*	0	11	16	3	1	*	57	2	29	24	52	2	25	13	18	3	24	0	2	26	0	2	20	2
Lympne	1	12	15	3	*	0	14	12	5	0	*	56	2	26	24	49	10	24	25	16	16	12	0	14	14	0	12	10	1
Southampton ... (Calshot)	0	8	18	5	*	0	8	14	8	1	*	56	2	33	24	51	2	27	13, 25	7	5	18	0	5	20	1	4	22	0
Falmouth ... (Pendennis)	0	0	20	11	*	0	0	14	16	1	*	55	2, 9	42	4, 5	51	2	33	25	*	1	27	1	0	28	3	1	29	1

UPPER AIR TEMPERATURE.

Pressure.	Normal Height.	Normal Temperature.	Leuchars. Mean.	Leuchars. No. of Reports.	Baldonnel. Mean.	Baldonnel. No. of Reports.	Andover. Mean.	Andover. No. of Reports.
mb.	feet.	°F.	°F		°F.		°F.	
950	1800	33	32	2	38	8	38	9
900	4680	26	29	3	27	8	27	9
750	7910	18	18	3	18	8	16	9
700	10,310	7	5	2	3	8	5	6
500	15,620	-6	3	1	*	0	-13	1

UPPER WINDS.

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

Station. Height. Feet.	Renfrew. 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.	Valencia. 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	9	1	5	3	0	0	31	1	14	15	1	0	42	3	12	15	12	0
5,000	3	0	2	1	0	0	14	1	3	10	0	0	15	3	6	6	0	0
10,000	*	*	*	*	*	*	5	0	0	5	0	0	3	0	3	0	0	*
15,000	*	*	*	*	*	*	1	0	0	0	1	0	*	*	*	*	*	*

† Since March 1st, 1921, the readings used have (except in the case of Phœnix Park) been the maximum for the period 7h.–18h., and the minimum for the period 18h.–7h. Previously the period was 7h.–7h.

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

RAINFALL, HUMIDITY AND LOW CLOUD, JANUARY, 1922.

Equivalents of Temperature.

A°.	F°.
283·6	51
288·0	59
288·6	60
293·0	68
293·6	69
298·0	77
298·6	78
303·0	86

STATIONS.	Sunshine. Number of Days with duration. Nil.	0·1—3h.	3·1—6h.	6·1—9h.	Above 9h.	Maximum Duration. Hours.	Date.	Total for past 12 months. (hours.)	Difference from average. (hours.)	Total for Month. (hours.)	Difference from average. (hours.)	Rainfall. Number of days with amount. 0, trace or 0·1 mm.	0·2—1 mm.	1·1—5 mm.	5·1—15 mm.	15·1—25 mm.	Above 25 mm.	Maximum fall in 24 hrs. mm.	Date.	Total for past 12 months.* (mm.)	Difference from Average. (mm.)	Total for Month.* (mm.)	Difference from Average. (mm.)	Days with Thunder.	Days with Snow or Sleet.
Stornoway ...	14	13	4	0	0	5·0	26	1114	-155	34	+6	6	7	5	7	2	0	23	15	1291	+25	148	+17	0	5
Aberdeen ...	18	9	4	0	0	5·9	10	1452	+65	32	-16	6	3	17	3	2	0	18	15	489	-259	96	+41	0	15
Edinburgh ... (Inchkeith)	*	*	*	*	*	*	*	*	*	*	*	15	5	11	0	0	0	5	13, 29	*	*	34	*	0	8
Renfrew	17	7	7	0	0	5·7	3	*	*	*	*	8	6	9	8	0	0	15	26	981	*	103	*	0	10
Eskdalemuir ...	15	12	4	0	0	5·8	3	1361	*	35	*	7	6	8	9	1	0	24	9	1334	*	121	*	0	10
Dublin ... ... (Phœnix Park)	11	10	7	3	0	6·7	16	1510	+3	61	+4	7	10	10	4	0	0	8	14	637	-68	55	-3	0	3
Baldonnel ...	8	14	7	2	0	6·7	18	1456	*	69	*	10	6	12	3	0	0	15	27	656	*	73	*	0	2
Birr Castle ...	12	9	10	0	0	6·0	20	1364	+21	65	+16	8	5	12	6	0	0	11	25	751	-78	77	+5	0	2
Valencia ... ... (Cahirciveen)	9	16	6	0	0	4·9	17	1408	-37	42	-6	4	6	9	7	5	0	24	28	1236	-178	199	+60	0	3
Tynemouth ...	*	*	*	*	*	*	*	*	*	*	*	11	4	14	2	0	0	9	15	478	-143	56	+15	0	10
Holyhead ...	6	15	8	2	0	6·9	12	1637	*	63	*	11	4	12	2	2	0	23	18	797	-91	96	+22	0	1
Liverpool ... (Bidston)	14	9	6	2	0	7·0	20	1595	*	52	*	9	10	4	8	0	0	12	15	587	-122	91	+37	0	7
Nottingham ...	20	10	1	0	0	3·8	28	1533	+208	15	-19	9	9	9	2	1	0	24	26	498	-100	84	+38	0	7
Cranwell	18	8	4	1	0	6·7	22	1804	*	38	*	9	8	11	3	0	0	15	25	436	*	53	*	0	6
Gorleston ...	17	12	2	0	0	5·0	3	1945	*	32	*	7	3	13	7	1	0	18	19	463	-159	123	+79	0	15
Ross-on-Wye ...	12	11	7	1	0	6·9	12	1739	*	53	*	*	*	*	*	*	*	11	15	429	-289	89	+27	0	6
Benson	*	*	*	*	*	*	*	*	*	*	*	9	5	14	3	0	0	10	25	334	*	54	*	0	4
London ... ... (Kew Obsy.)	13	10	8	0	0	5·7	4	1689	+214	49	+6	13	4	10	4	0	0	15	18	314	-292	56	+11	0	4
Croydon	10	16	3	2	0	6·6	16	*	*	49	*	14	3	8	5	1	0	19	18	346	*	76	*	0	8
Grain	10	12	8	1	0	6·4	14	1916	*	55	*	13	6	10	2	0	0	14	19	227†	*	46†	*	0	4
Lympne	11	10	7	3	0	6·8	20	2062	*	68	*	12	6	6	5	2	0	21	19	394	*	93	*	0	7
Southampton ... (Calshot)	11	12	6	2	0	7·5	16	2020	*	49	*	10	6	8	6	0	1	32	18	355	*	105	*	0	2
Falmouth ... Observatory	9	12	7	3	0	7·8	12	1839	+80	62	+4	3	7	9	10	2	0	18	15	762	-345	133	+26	0	2

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 ...	0	3	6	10	11	1	0	0	0
Renfrew	0	1	14	6	7	3	0	0	0
Eskdalemuir ...	1	6	9	5	9	1	0	0	0
Valencia	0	0	1	11	14	5	0	0	0
Benson	0	2	9	11	8	1	0	0	0
London ... ... (Kew Obsy.)	0	2	12	4	10	3	0	0	0
Falmouth ...	0	1	7	10	7	6	0	0	0

NOTES ON CHART OF ISOPLETHS (page 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 shew the variation of pressure from day to day at any point in the line. The line terminates at Lat. 66° N., Long. 18° W. in the north, at Lat. 44½° N., Long. 4° E. in the south.

——— = 1,020 mb. — — — = 1,000 mb. ×—×—×—× = 980 mb. —·—·— = 960 mb.

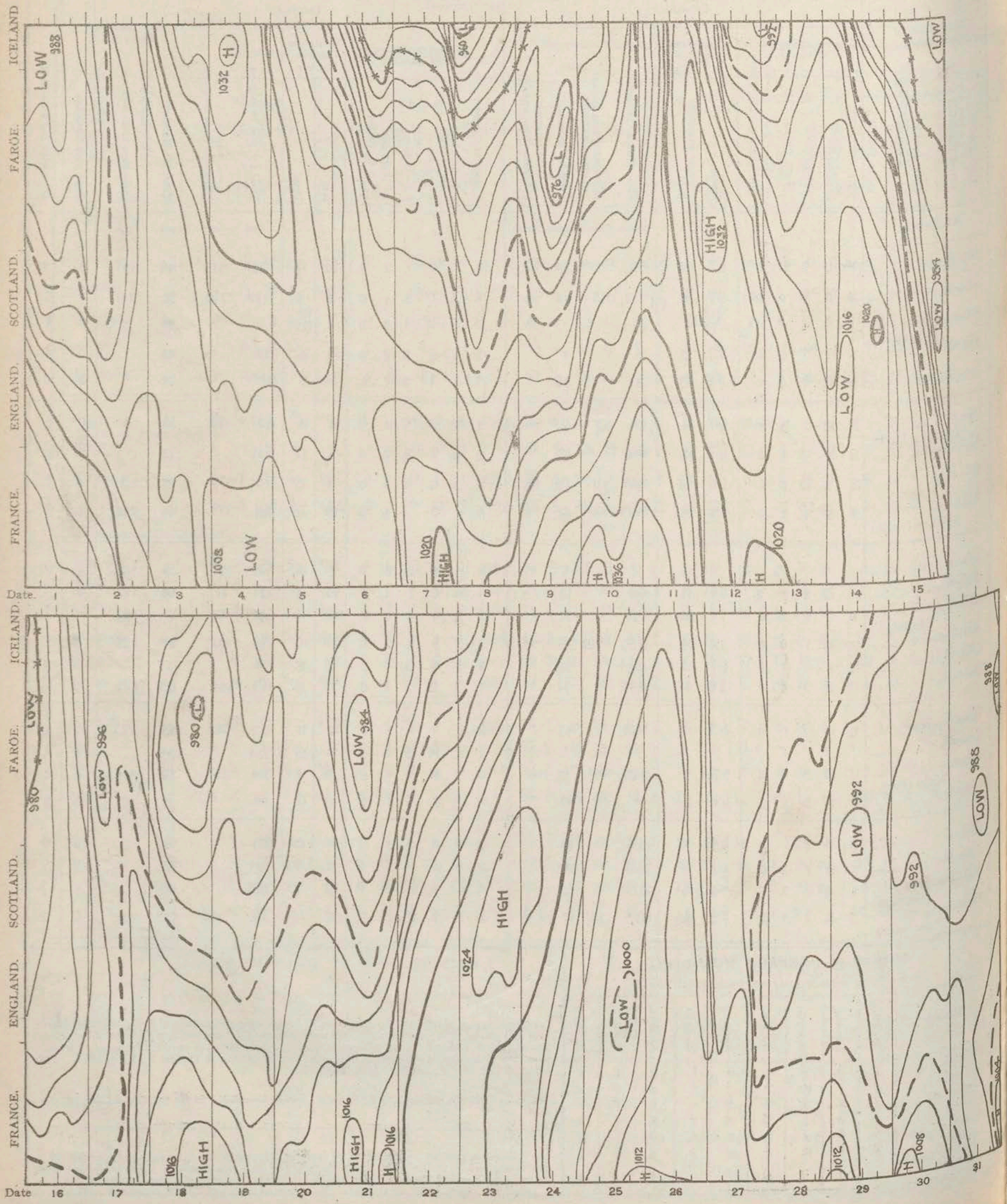
* Based in part on reports made by telegraph in which the daily falls are rounded off to the nearest whole millimetre. Small discrepancies may arise between these totals and those given in the Monthly Weather Report which are based on readings taken to 0·1 mm.

† Raingauge exposure not normal.

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

PRESSURE: ICELAND TO GULF OF LIONS ..... JANUARY ..... 1922.

ISOPLETHS* BASED ON SIX-HOURLY OBSERVATIONS.



For explanation of diagram see page 3.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.21955 Sunday, 1st JANUARY 1922.

Observations at 1300 G.M.T. 31st Dec

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)	Height of Low Cloud (Feet)	Cloud* Low Form.	Cloud Low Amt. (0-10)	Upper Form.	Total Amt. (0-10)	Sea (0-9)
Lerwick	1009.7	+2	W	3	o+	39	75	7	*	StCu	5	A.St	10	*
Stornoway	1017.0	-1	WNW	3	pr_0	44	85	6	450	St	10	–	10	*
Wick	1014.6	+3	WNW	2	o	40	92	8	2500	CuNb	5	CiSt	10	*
Castlebay	(?)1018.5	0	WSW	4	c	46	75	7	1500	St	2	CiSt	7	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1017.9	+2	W	4	o+	42	75	8	–	–	–	A.St	10	*
Malin Head	1024.0	+1	W	3	c+	46	97	8	4000	CuNb	7	–	7	*
Renfrew	1022.9	+3	WSW	3	pr_0	44	75	7	2500	Nb	10	–	10	*
Edinburgh (Inchkeith)	1020.2	+4	WSW	4	bc	44	75	7	–	StCu	2	CiSt	5	*
Eskdalemuir	1023.5	+3	SW	3	c+	41	75	8	2500	StCu	5	CiSt	6	*
Tynemouth	1021.5	+2	WNW	2	b	42	75	7	–	–	–	–	–	*
Blacksod Point														
Donaghadee	1026.6	+5	W	3	bc-	50	75	8	4000	Cu	4	A.Cu	6	*
Birr Castle	1031.2	*	W	1	c+	47	85	8	4000	Cu	8	–	8	*
Baldonnell	1030.7	+2	SW	4	o+	44	85	8	4000	StCu	4	A.Cu	9	*
Holyhead	1029.2	+2	W'N	6	c+	46	85	8	2500	Cu	1	A.Cu	7	*
Liverpool (Bidston)	1027.1	+3	W'N	6	c+	45	75	7	2500	Cu	6	–	6	*
Chester (Shotwick)	1025.9	+3	WNW	5	bc-	46	75	8	2500	Cu	2	A.Cu	3	*
Spurn Head	1021.8	+5	NW	6	b	43	92	7	–	–	–	Ci	3	*
Nottingham	1025.7	*	NW	4	bc+	45	75	6	1500	CuNb	5	–	5	*
Cranwell	1025.0	+3	WNW	4	b	43	85	6	–	–	–	CiSt	1	*
Gorleston	1022.5	+5	NW'N	4	b-	44	65	7	–	–	–	Ci	2	*
Pulham	1024.3	+5	WNW	3	b	44	75	7	–	–	–	CiSt	3	*
Felixstowe	1025.1	+5	NW'N	4	b-	44	65	9	–	–	–	CiSt	1	*
Valencia (Cahirciveen)	1034.2	0	W	4	o	50	75	8	1500	St	8	A.St	10	*
Roches Point	1033.8	+1	W	3	o	48	75	7	4000	StCu	10	–	10	*
Pembroke (St. Ann's H.)	1032.4	+3	WNW	4	bc+	47	75	8	4000	Cu	4	–	4	*
Ross-on-Wye	1002.8	+3	NW'W	4	b	46	65	9	4000	StCu	2	Ci	3	*
Benson	1028.4	+3	NW	3	co+	45	75	7	–	Cu	9	–	9	*
S. Farnborough	1029.1	+7	NWW	4	o+	46	75	8	2500	StCu	9	–	9	*
London (Kew Obsy.)	1027.9	+4	WNW	4	bc	46	65	6	4000	Cu	5	–	5	*
Croydon	1027.7	+5	NW	4	bc-	45	75	6	5750	StCu	3	A.Cu	4	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1025.3	+5	NW	2	b-	45	75	7	–	–	–	CiSt	1	*
Grain	1027.0	+6	NW	5	b-	45	65	7	–	–	–	CiSt	2	*
Lympne	1027.2	+2	WNW	5	bc	43	65	8	2500	Cu	1	CiSt	5	*
Scilly (St. Mary's)	1033.9	+2	NW	3	o	49	97	8	4000	Cu	10	–	10	*
Falmouth (Pendennis)	1033.8	+8	NNE	4	o	49	65	8	2500	StCu	10	–	10	*
Plymouth (Cattewater)	1033.3	+5	NW	3	c	48	75	8	2500	St	6	–	6	*
Portland Bill	1030.3	+6	NW'W	4	bc	49	85	8	–	–	–	CiCu	3	*
Southampton (Calshot)	1029.9	+5	WNW	4	o+	47	92	8	4000	StCu	6	A.Cu	9	*
Dungeness	1026.6	+5	NW	4	bc	44	75	7	–	–	–	ACu	5	*
Jersey	1031.9	+1	WNW	4	bc-	49	65	8	4000	StCu	4	–	4	*

Observations at 1800 G.M.T. 31st Dec

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)	Height of Low Cloud (Feet)	Cloud Low Form.	Cloud Low Amt. (0-10)	Upper Form.	Total Amt. (0-10)	Sea (0-9)
Lerwick	1007.0	-1	W	4	o	44	75	7	4000	CuNb	2	A.St	10	3
Stornoway	1012.8	-4	WSW	5	pr_0	44	85	6	450	St	10	–	10	3
Wick	1012.6	-2	WSW	3	bc-	40	97	8	5750	Cu	3	–	3	0
Castlebay	1018.2	-2	SW	5	pr_0	44	85	6	800	St	10	–	10	0
Nairn	1016.0	=	W	4	bc-	42	75	8	1500	St	2	–	2	*
Aberdeen	1016.7	+3	WSW	3	b-	41	75	6	–	–	0	A.St	2	0
Malin Head	1022.1	-2	WSW	3	o/r	46	97	7	4000	CuNb	8	–	8	4
Renfrew	1021.7	-2	SW	4	pr_0	43	92	7	2500	StCu	9	–	9	*
Edinburgh (Inchkeith)	1019.8	+1	WSW	4	bc	42	92	8	–	–	–	–	–	*
Eskdalemuir	1023.6	0	S	3	o/r	39	92	7	250	St	10	–	10	*
Tynemouth	1022.9	+3	W	2	bc+	42	85	6	–	–	–	ACu	5	5
Blacksod Point														
Donaghadee	1024.0	+2	WSW	2	b-	43	85	8	2500	St	2	–	2	3
Birr Castle	1030.1	*	S	1	co-	46	97	6	4000	Cu	3	CiCu	7	*
Baldonnell	1029.6	0	SSW	4	co+	44	85	7	2500	St	5	A.St	7	*
Holyhead	1029.5	+2	W'S	4	co+	47	85	7	2500	StCu	9	–	9	4
Liverpool (Bidston)	1028.1	+3	W	5	cov	44	75	9	2500	Cu	3	A.Cu	6	6
Chester (Shotwick)	1021.2	+3	WNW	4	bc	42	75	8	–	StCu	3	–	3	*
Spurn Head	1024.4	+3	WNW	5	bc	43	65	?	1500	St	1	–	1	5
Nottingham	1027.6	*	W	3	co-	44	85	6	4000	Cu	7	–	7	*
Cranwell	1027.5	+3	W	4	bc+	41	85	6	2500	StCu	4	–	4	*
Gorleston	1026.2	+4	WNW	3	bc-	40	85	7	–	–	–	–	–	1
Pulham	1027.2	+4	W	3	bc	40	92	6	–	–	–	CiSt	2	*
Felixstowe	1027.4	+4	NW	4	bc	42	85	8	–	–	–	Ci	2	2
Valencia (Cahirciveen)	1032.6	-1	WSW	4	co	48	75	8	4000	Cu	7	–	7	5
Roches Point	1033.6	+1	WSW	1	bc-	47	85	8	4000	StCu	1	–	1	3
Pembroke (St. Ann's H.)	1032.8	0	NW	4	bc	48	85	9	4000	Cu	5	–	5	4
Ross-on-Wye	1030.0	+2	W'S	2	bcv	42	85	9	–	–	–	–	–	*
Benson	1030.2	+2	WNW	2	bc-	40	75	8	–	Cu	2	–	2	*
S. Farnborough	1030.6	+3	W	2	bc	41	85	8	–	–	–	–	–	*
London (Kew Obsy.)	1029.8	+2	WSW	3	co	43	75	6	4000	StCu	7	ACu	9	*
Croydon	1029.4	+1	W	2	co+	42	75	6	2500	StCu	5	A.Cu	7	*
Clacton-on-Sea	1027.8	+2	WNW	3	bc	40	92	7	–	–	–	A.St	5	0
Shoeburyness	1028.0	+2	W	1	bc	41	75	7	–	–	–	–	–	*
Grain	1029.4	+3	W	1	bc	38	85	7	–	–	–	–	–	0
Lympne	1029.2	+2	W	3	bc+	38	85	6	–	–	–	CiSt	2	*
Scilly (St. Mary's)	1034.2	0	NW'W	3	co	50	97	8	4000	StCu	10	–	10	5
Falmouth (Pendennis)	1035.0	0	NW	2	pr_0	46	75	5	2500	Cu	5	CiSt	8	1
Plymouth (Cattewater)	1033.6	+1	NW	1	co	45	85	8	2500	StCu	9	–	9	0
Portland Bill	1032.9	+2	NW'W	4	bc	48	85	8	–	–	–	CiCu	2	6
Southampton (Calshot)	1030.6	+1	?W	4	bc-	43	85	8	800	St	5	CiCu	6	0
Dungeness	1018.2	+2	NW	4	bc	40	85	8	–	–	–	–	–	5
Jersey	1033.5	+1	NW	4	co	48	65	8	4000	StCu	9	–	9	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 8h. G.M.T. %
	24 Hours ended 0900 G.M.T. 1st Jany								Yesterday.		To-day.
Kew	bc	bco	obo.o	*	*	32	–	–	.21	*	*
Croydon } 24 hours ended 0700	bcoqo	bccb	bbcoq	*	*	35	–	–	3.9	*	*
Greenwich (Royal Obsy.)	c	c	c	48	39	30	–	–	0.6	72	85
City (Bunhill Row)	*	*	*	*	*	*	*	*		*	*
Westminster (St. James' Pk.)	*	*	*								
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*		*	*
Camden Sq. (Brit. Rainfall)			*						*		
Kensington Palace	bbc	co	*	48	38	33	–	–	*	85 (18h)	58
Hampstead Observatory	*	*	*			*				*	

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.

Solar Radiation. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total .... joules

Average Rate .... Milliwatts.

Maximum Rate .... Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from .... h. ..... m. to .... h. ..... m.

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

Radio Disturbances (Atmospherics) at Croydon.*

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C_2C_2	7	–	145°
18h.	C_1C_2	6	–	155°
01h.	C_1C_2	6	–	35°
07h.	C_3	6	–	35°

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom.

Jany. 1st & 2nd 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8.6 8.6	11.57 11.57	3.48 3.48
Greenwich	8.8 8.8	12.4 12.4	4.0 4.0
Wick	9.5 9.5	12.6 12.6	3.27 3.28
Valencia	8.51 8.51	12.45 12.46	4.38 4.39

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, or fine rain. f fog.
- h hail. KQ line squall. l lightning.
- m mist. o overcast sky.
- p passing showers. r rain.
- rs sleet, i.e., rain and snow together.
- s snow. 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.

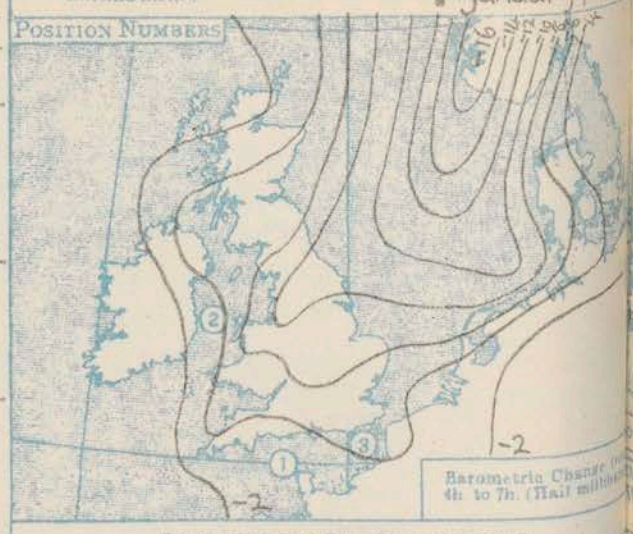
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

* 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. 31st	13h.-18h. 31st	18h. 31st to 1st	18h.-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. Hours.
Lerwick	babc	oo	rord	rord	45	41	*	1	7	0900	<2100	*
Stornoway	p	p	rord	rord	44	43	*	1	16	—	<2100	0.0
Wick	oo	babc	orrq	orr	41	37	*	0.3	9	<0800	<2100	*
Castlebay	o.c	cop.					*	—	—			
Nairn	bqbcc	p	p		43	41	*	0.4	6	1100	—	0.2
Aberdeen	bqbcc	bobc	c		42	39	33	—	—	—	—	0.0
Malin Head	cp.	op.	cqm	r.q	49	41	*	0.6	0.3	<0800	0630	0.5
Renfrew	copr.	oimp	or.q		46	43	39	1	2	1230	<2100	1.6
Edinburgh (Inchkeith)	babc	babc	p	p	45	34	39	—	trace	—	—	*
Eskdalemuir	babc	copo	rord		41	37	37	trace	2	1430	<2100	1.8
Tynemouth	im	im	ooim	cimq	50	32	*	—	—	—	—	*
Blacksod Point							*					*
Donaghadee	bc	bobc	cmqd		?51	41	*	—	0.3	—	0330	*
Birr Castle		co	oid.		47	45	39	—	0.2	—	—	0.9
Baldonnell	bcc	babc	coqim	odqm	45	42	39	0.1	trace	1100	0430	1.5
Holyhead	obc	c	ocobr	oo	47	46	46	—	—	—	—	0.6
Liverpool (Bidston)	p	babc	oo		53	40	37	0.3	—	<0800	—	3.6
Chester (Shotwick)	oprc	tlr	bco	oo	47	43	*	0.3	—	1430	—	*
Howden												
Spurn Head	babc	fam	form	oo	47	39	*	—	—	—	—	4.9
Nottingham	c	c	c		45	38	33	—	trace	—	0630	1.7
Cranwell	babc	c	borbc	c	44	38	35	—	—	—	—	5.3
Gorleston	oqcqb	babc	borbc	p	44	37	40	—	trace	—	0430	5.6
Pulham	c	borbc	c		44	36	32	—	—	—	—	5.4
Felixstowe	c	borbc	c		45	38	35	—	—	—	—	4.9
Valencia (Cahirciveen)	ocpo	ocp	p	or.o	50	49	46	trace	0.4	1230	2200	0.5
Roches Point	oo	c	borbc		49	45	*	—	trace	—	—	*
Pembroke (St. Anu's H.)	borbc	c	oo	oodm	48	44	*	—	0.2	—	0630	3.6
Ross-on-Wye	cvb	bcbcb	bvbcb	bccq	47	40	34	—	—	—	—	3.7
Benson		d.bc	b	oo	?46	35	25	trace	—	1230	—	*
S. Farnborough	c	c	c		47	33	23	—	—	—	—	2.3
London (New Obsy.)	bc	bco	obo	oo	46	38	32	—	—	—	—	2.1
Croydon	bcqim	bcbim	bbcim	obccim	45	39	35	—	—	—	—	3.9
Clacton-on-Sea		bc	bc	bc	44	38	34	—	—	—	—	5.4
Shoeburyness	babc	babc	c		47	37	32	—	—	—	—	4.9
Grain	c	babc	c		45	35	27	—	—	—	—	4.1
Lympne	ocbc	babc	borbc	borbc	51	34	29	—	—	—	—	2.9
Scilly (St. Mary's)	oo	oo	p	c	50	47	*	—	0.5	—	2200	0.1
Falmouth (Pendennis)	bcom	ocmp	cmbcb	bcc	49	45	*	0.2	—	1230	—	0.7
Plymouth (Cattewater)	babc	c	c		49	44	46	—	—	—	—	2.0
Portland Bill	babc	babc	oo	oo	53	41	*	—	—	—	—	*
Southampton (Calshot)	c	c	c	oo	49	38	36	—	—	—	—	0.0
Dungeness	babc	babc	borbc	c	48	38	*	—	—	—	—	*
Jersey	ocobc	bcbco	c	od.o	50	48	—	—	0.1	—	0430	1.3

ISALLOBARS. 1st January, 1922.



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
2	1st 1000	Cambria	WSW	6	c	53	51

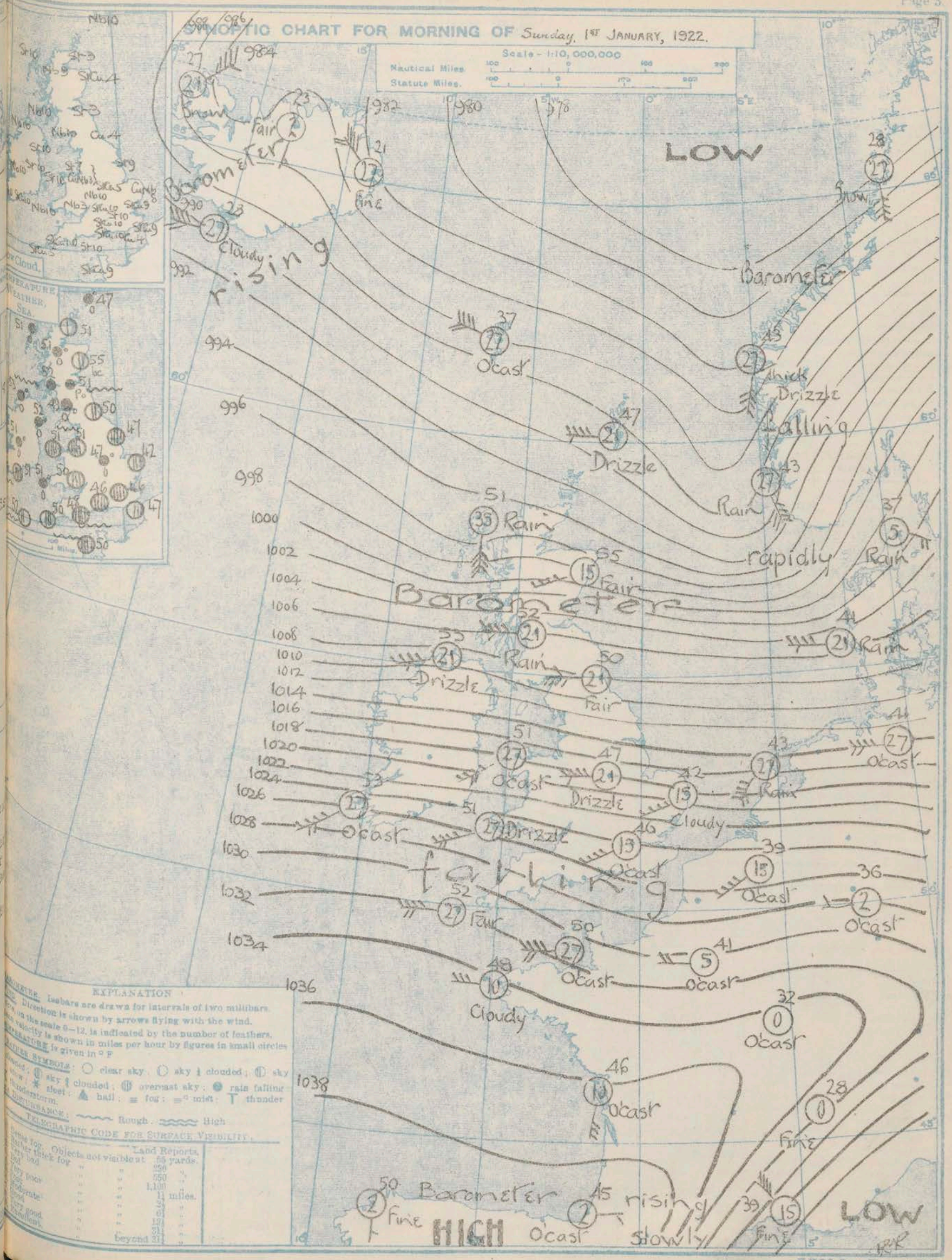
GENERAL INFERENCE.

A depression to the N.E. of Scotland is moving away eastwards. Further disturbances are likely to arrive from the Atlantic and maintain strong Westerly winds and mild, unsettled weather. In Scotland the wind is likely to veer to N.W. temporarily, with a fall of temperature and some snow or sleet showers.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday, 1st January, 1922.	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 Westerly, fresh or strong, reaching gale force in some exposed places; much low cloud, intermittent slight rain, visibility fair to good; mild.	Westerly wi[illegible] and unsettled weather. Temperature high for the time of ye[illegible] in the South, but variable [illegible] Scotland.
14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind Westerly, fresh or strong, veering later to N.W.; much low cloud, some rain at first, snow or sleet showers later; temperature falling.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Same as 1 - 13.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 09.00. G. C. SIMPSON, F.R.S., Director.

§ For Code see opposite page.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4. BRITISH SECTION.....Sunday...1st...JANUARY.....1922. No. 1.....

Observations at 0100 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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	9948	-15	WSW	6	orr	43	97	6	4000	Nb	10	-	10	*
Stornoway	10009	-16	W	9	rr	*	*	4	*	*	*	*	*	*
Wick	9984	-13	SW	5	orr	39	97	7	800	Sr.	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	10140	-7	WSW	4	mmo	51	97	6	4000	SrCu	10	-	10	*
Renfrew														*
Edinburgh (Inchkeith)	10100	-9	WSW	5	opr.	46	92	8	-	Nb	10	-	10	*
Eskdalemuir														*
Tynemouth	10155	-6	W	4	0	46	75	7	-	-	0	A Sr	10	*
Blacksod Point ...														*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	10243	-5	SW'S	6	0+	45	85	6	2500	Sr.	10	-	10	*
Holyhead	10245	-2	SW'W	5	0+	*	*	7	800	Sr.	10	-	10	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Sholwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
... ...														*
Spurn Head	10206	-4	WSW	5	b	40	92	6	-	-	0	-	0	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	10243	-3	SW'W	5	c+	40	92	6	2500	Sr.	8	-	8	*
Gorleston	10259	0	W'N	4	b+	38	97	7	4000	Cu Nb	3	-	3	*
Pulham														*
Felixstowe														*
Valencia (Cahirciveen)	10300	-6	SW	3	o/r	51	97	3	*	*	*	*	*	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	10301	-1	W	4	0	50	85	8	4000	Sr.	10	-	10	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)...	*	*	*	*	*	41	*	*	*	*	*	*	*	*
Croydon	10295	-1	W'S	3	c+	41	85	6	-	-	0	A Cu	7	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	10303	+1	W	5	b	35	92	6	-	-	0	-	0	*
Scilly (St. Mary's) ...	10340	-1	W	5	cpr.	50	97	8	4000	Cu Nb	7	-	7	*
Falmouth (Pendennis)	10335	-1	NW	4	b.	47	85	7	2500	Sr.	3	-	3	*
Plymouth (Cattewater)														*
Portland Bill	10320	0	W	5	0+	48	85	8	450	Sr.	10	-	10	*
Southampton (Calshot)	10316	0	WSW	3	0+	44	85	8	1500	Sr.	10	-	10	*
Dungeness	10296	0	NW	3	bc+	40	85	7	-	-	0	A. Cu	4	*
Jersey 7h }	10333	0	WNW	3	0	47	85	7	5750	Sr.	10	-	10	*
Guernsey 1h }														

Observations at 0700 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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	9888	-3	W	5	odd.	47	92	6	2500	Nb	10	-	10
Stornoway	995.6	-2	S	7	orr	51	97	5	450	Sr	10	-	10
Wick	9934	-2	W	4	b/r	51	97	8	800	Sr.	3	-	3
Castlebay													
Nairn	9980	*	WNW	3	od.	51	92	8	7250	Nb	9	-	9
Aberdeen	9980	-3	W'S	4	bc	55	75	7	4000	SrCu	4	-	4
Malin Head	10091	-4	WSW	5	odd.	53	97	6	4000	Nb	10	-	10
Renfrew	10062	-4	W	5	orr	52	92	6	1500	Nb	10	-	10
Edinburgh (Inchkeith)	10058	-4	WSW	8	bpr.	51	92	8	-	Sr.	3	-	3
Eskdalemuir	10076	-4	SW'W	6	od	49	97	5	800	Nb	10	-	10
Tynemouth	10075	-5	W	5	bc	50	97	7	4000	Cu	4	-	4
Blacksod Point ...													
Donaghadee	1011.7	-5	WNW	4	od.	52	85	7	2500	Sr.	10	-	10
Birr Castle	1021.1	*	SW	4	od	51	97	4	800	Nb	10	-	10
Baldonnell	10184	-6	SW	7	odd.	50	92	6	450	Sr.	10	-	10
Holyhead	1019.0	-4	SW'W	6	o	51	92	7	800	Sr.	10	-	10
Liverpool (Bidston) ...	10156	-6	W'S	8	o	51	85	8	2500	Sr.	9	-	9
Chester (Sholwick) ...	1016.0	-8	WSW	4	o	52	75	8	800	Sr.	7	A Sr	10
... ...													
Spurn Head	1013.1	-7	W	6	o-	47	85	7	1500	Sr.	9	-	9
Nottingham	1018.1	*	W	5	od.	47	92	5	2500	Nb	10	-	10
Cranwell	1017.7	-5	WSW	6	o	47	85	8	7250	SrCu	5	A Sr	9
Gorleston	1018.5	-7	W'S	4	c+	42	85	7	4000	Cu Nb	8	-	8
Pulham	1019.6	-4	SW	4	o	43	85	6	4000	SrCu	10	-	10
Felixstowe	10203	-4	W	5	o+	45	85	7	1500	SrCu	9	-	9
Valencia (Cahirciveen)	10267	-1	SW'W	6	o/r	53	85	8	1500	Sr.	10	-	10
Roches Point	10273	-1	WSW	3	o	51	92	8	2500	SrCu	10	-	10
Pembroke (St. Ann's H.)	10255	-3	WSW	6	odd.	51	97	7	<150	Nb	10	-	10
Ross-on-Wye	10225	-5	WSW	5	c+	50	75	8	2500	Nb	3	A Sr	8
Benson...	10234	-4	WSW	4	o	47	85	6	-	SrCu	10	-	10
S. Farnborough ...	1024.7	-7	WSW	5	o	46	85	8	1500	SrCu	10	-	10
London (Kew Obsy.)...	1023.7	-5	WSW	4	o	46	85	8	2500	Sr.	10	-	10
Croydon	1024.1	-5	W'S	6	o+	47	85	6	2500	SrCu	10	-	10
Clacton-on-Sea ...	10222	-3	WNW	3	bc	44	85	7	-	-	0	A Sr	5
Shoeburyness	10218	-3	SW	7	c	46	85	6	4000	Cu	4	A Sr	7
Grain	10233	-5	WSW	6	o	47	75	8	1500	Sr	8	A Sr	10
Lympne	10240	-5	WSW	6	o+	44	85	7	4000	SrCu	9	A Sr	10
Scilly (St. Mary's) ...	10313	-2	W	6	bc-	52	97	8	4000	SrCu	5	-	5
Falmouth (Pendennis)	10302	-4	NW	6	c+	50	75	7	2500	Cu	7	-	7
Plymouth (Cattewater)	10294	-2	WSW	4	o	50	97	8	2500	SrCu	10	-	10
Portland Bill	10270	-5	W'S	6	o	48	85	8	450	Sr.	10	-	10
Southampton (Calshot)	10267	-4	SW'W	4	o	48	85	8	2500	SrCu	10	-	10
Dungeness	10244	-5	WSW	5	c+	47	85	7	-	-	0	A Cu	8
Jersey 7h }	10308	-3	W	6	o/r	50	85	8	4000	SrCu	9	-	9
Guernsey 1h }													

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 31st December

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night. °F.	Rainfall.† Night 17h.-9h. 30th-31st mm.	Rainfall.† Day 9h.-17h. 31st mm.	Sunshine. Sunrise to Sunset 31st hr.	Sunshine. hr.
Banff	c	c	42	37	4	–	0.0	
Montrose	c	c	44	37	1	–	0.7	
Llandudno	bc	bc	47	43	1	–	2.9	
Colwyn Bay ...	cbc	bc	46	42	4	–	–	
Rhyl...	cbc	bcc	47	43	1	–	2.1	
Southport	dcpcb	bcc	45	42	0.1	0.2	3.2	
Blackpool	cb	cb	46	42	0.4	0.1	3.7	
Harrogate	b	b	43	35	–	–	5.4	
Skegness	rogg	cbb	45	35	3.	–	5.4	
Aberystwyth ...	roc	bco	48	43	3	–	1.2	
Bath	cbcb	bcc	48	43	2	–	3.4	
Leamington Spa ...	ocb		45	40	3	–	1.0	
Lowestoft	bc	bcb	51	38	3	–	5.8	
Felixstowe	bc	bc	44	39	3	–	5.4	
Southend	cbc	bbc	47	39	2	–	0.1	

STATIONS. *	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night. °F.	Rainfall.† Night 17h.-9h. 30th-31st mm.	Rainfall.† Day 9h.-17h. 31st mm.	Sunshine. Sunrise to Sunset 31st hr.
Paignton	bc	bccb	50	43	mm	mm.	hr.
Ilfracombe	cbc	bcc	48	47	–	–	4.3
Bude	b	b	50	47	0.5	–	3.0
Penzance	bcc	co	51	46	2	–	1.2
Falmouth Observatory	ocmp		49	46	2	0.2	0.9
Torquay	b	b	51	45	2	–	3.4
Weymouth	bc	bcc	51	42	0.8	–	2.0
Bournemouth ...	b	b	48	42	1	–	4.0
Portsmouth (S'thsea)	bc	o	48	43	1	–	1.4
Worthing	bbc	bc	46	41	3	–	1.7
Brighton	bbcc	cb	47	42	2	–	1.9
Eastbourne ...	obc	b	46	41	–	–	4.1
Hastings	oco	obcb	45	42	1	–	3.3
Folkestone	gale	bcc	53	40	1	–	2.2
Tunbridge Wells ...	bbc	bbc	46	40	1	–	2.0
Ramsgate	o	bc	43	37	0.4	–	3.1
Margate	c	bbc	44	41	0.7	–	1.5
Deal	orc	bcb	50	39	6	–	3.5

* 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. 21956 MONDAY, 2nd JANUARY 1922.

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	990·0	-3	W	4	bpr.	43	75	7	4000	Nb	10	-	10	•
Stornoway	995·0	0	W	7	oDD	51	91	5	450	St	10	-	10	•
Wick	992·9	-1	WNW	4	orr	49	97	6	800	St	10	-	10	•
Castlebay	1002·5	0	W	5	odd	52	97	5	1500	St	10	-	10	•
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	•
Aberdeen	995·7	-2	W	4	bc	57	65	8	-	-	0	ASt	5	•
Malin Head	1001·9	0	WSW	5	odd	53	97	0	4000	Nb	10	-	10	•
Renfrew	1003·7	0	WSW	5	orr	53	92	6	450	Nb	10	-	10	•
Eskbeith	997·0	0	W	8	or.	53	85	7	-	-	0	Ci	9	•
Eskdalemuir	1005·4	+5	W	8	odd	45	87	1500	Nb	10	-	10	•
Tynemouth	1005·2	-3	W	4	o	54	85	6	4000	StCu	10	-	10	•
Blacksod Point														•
Donaghadee	1011·8	+1	WNW	4	od.	55	85	7	2500	St	10	-	10	•
Birr Castle	1019·4	*	W	3	o-	54	92	6	2500	StCu	9	-	9	•
Baldonnell	1017·0	-3	SW'W	7	o	53	85	6	1500	St	10	-	10	•
Holyhead	1016·5	-2	WSW	6	o	54	92	7	2500	StCu	8	ASt	9	•
Liverpool (Bidston)	1012·7	-1	W	6	c-	53	75	8	2500	Cu	5	CiCu	8	•
Chester (Shotwick)	1013·2	-4	W	7	o	59	65	9	1500	StCu	9	ASt	10	•
Bowden														•
Mourn Head	1009·3	-4	W	6	o	52	85	5	2500	CuNb	10	-	10	•
Nottingham	1014·2	*	SW	5	o	53	85	6	1500	Nb	10	-	10	•
Cranwell	1014·0	-3	WSW	6	o	52	85	8	1500	StCu	8	ASt	10	•
Marlston	1014·6	-4	W	5	o+	50	85	7	4000	CuNb	10	-	10	•
Pulham	1015·0	-4	WSW	6	o	51	85	7	2500	StCu	10	-	10	•
Lilkestowe	1011·7	-3	WSW	4	o JP	50	85	7	1500	StCu	10	-	10	•
Valencia (Cahirciveen)	1026·0	-2	SW'W	6	orr	54	85	7	1500	St	10	-	10	•
Roches Point	1025·5	-1	W	4	c-	54	85	8	1500	StCu	7	CiCu	8	•
Pembroke (St. Ann's H.)	1022·8	-1	WSW	6	o	52	92	8	2500	St	10	-	10	•
Ross-on-Wye	1019·3	-2	WSW	5	o	53	85	8	2500	Nb	10	-	10	•
Benson	1017·8	-3	WSW	6	o	51	85	6	-	St	10	-	10	•
S. Farnborough	1020·8	-4	W	7	o	52	85	8	2500	StCu	10	-	10	•
London (Kew Obsy.)	1019·7	-5	W	5	o	53	75	7	2500	StCu	8	ASt	10	•
Croydon	1020·4	-4	W'S	7	o	52	75	7	1500	StCu	8	A.St	10	•
Folkestone-on-Sea														•
Dungeness	1018·2	-3	SW	4	o	50	75	6	4000	Cu	4	ASt	9	•
Deal	1018·6	-5	WSW	6	o	51	75	8	1500	StCu	9	ASt	10	•
Margate	1020·5	-5	WSW	5	o	46	85	8	800	St	10	-	10	•
Scilly (St. Mary's)	1028·8	-2	W	6	o	53	97	7	4000	StCu	10	-	10	•
Falmouth (Pendennis)	1027·1	-2	W	5	o+	52	85	6	4000	Cu	9	-	9	•
Plymouth	1026·9	-4	WSW	5	o	53	97	8	2500	St	10	-	10	•
Portland Bill	1024·6	-3	WSW	6	o	52	85	8	450	St	10	-	10	•
Calshot	1022·9	-5	W	5	o	52	85	8	1500	St	10	-	10	•
Dungeness	1020·5	-4	WSW	6	od.	50	85	7	800	St	10	-	10	•
Jersey	1029·3	-1	W	6	o	52	85	8	4000	StCu	10	-	10	•

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	988·9	0	W	4	bcpr.	40	85	6	4000	CuNb	3	ASt	4	3
Stornoway	996·6	+3	W	4	orr.	48	92	5	450	St	10	-	10	4
Wick	994·0	+2	WNW	2	cfr	44	97	8	4000	Nb	8	-	8	0
Castlebay	1002·8	0	NW	5	o/r	51	97	6	2500	St	10	-	10	5
Nairn	997·2	*	W	4	cfr	51	95	8	1500	St	7	-	7	•
Aberdeen	996·4	+4	W	5	b-	53	65	8	-	-	0	-	0	0
Malin Head	1007·3	0	W	5	odd	52	97	6	4000	Nb	10	-	10	6
Renfrew	1005·2	+3	W	4	or.	52	85	6	1500	Nb	9	-	9	•
Eskbeith	1000·1	+5	W	6	b-	52	85	8	-	St	1	-	1	5
Eskdalemuir	1005·7	+4	W	6	b-	51	85	7	2500	St	3	-	3	•
Tynemouth	1004·0	+1	W	6	bc-	54	85	8	2500	Cu	6	-	6	4
Blacksod Point														•
Donaghadee	1011·0	0	W	4	o	54	92	7	5750	StCu	10	-	10	3
Birr Castle	1018·0	*	W	4	od	53	97	5	1500	Nb	10	-	10	•
Baldonnell	1015·8	-1	WSW	6	od.	53	92	6	1500	St	10	-	10	•
Holyhead	1015·3	0	WSW	5	o	53	97	7	2500	StCu	10	-	10	4
Liverpool (Bidston)	1011·6	0	W	9	o	52	85	7	1500	St	10	-	10	8
Chester (Shotwick)	1012·2	0	WNW	7	o	56	75	8	800	St	9	-	9	•
Bowden														•
Mourn Head	1007·7	-2	W	7	o	51	85	6	450	St	10	-	10	5
Nottingham	1013·0	*	WSW	4	orr.	52	97	5	2500	Nb	10	-	10	•
Cranwell	1012·8	0	WSW	5	odd	51	97	6	800	Nb	10	-	10	•
Marlston	1012·2	-3	W	6	o	53	92	6	5750	Nb	4	ASt	10	1
Pulham	1012·8	-1	W'S	5	o	53	85	6	-	-	0	ASt	10	•
Lilkestowe	1014·8	-3	W	5	o-	52	75	7	5750	StCu	9	-	9	2
Valencia (Cahirciveen)	1024·3	0	SW'W	6	o	54	85	6	800	St	9	-	9	7
Roches Point	1024·0	-2	W	4	o+	54	92	8	2500	StCu	9	-	9	3
Pembroke (St. Ann's H.)	1021·2	-1	WSW	6	o	53	92	7	2500	St	10	-	10	5
Ross-on-Wye	1018·4	-1	WSW	4	od.	53	85	8	2500	Nb	10	-	10	•
Benson	1018·3	-3	WSW	5	o	50	85	6	-	St	10	-	10	•
S. Farnborough	1019·3	-2	W	5	o	52	85	8	2500	StCu	10	-	10	•
London (Kew Obsy.)	1018·3	-1	WSW	4	o	53	75	8	2500	StCu	8	A.St	10	•
Croydon	1018·9	-1	W	6	o	53	85	7	1500	StCu	7	ASt	10	•
Folkestone-on-Sea														•
Dungeness	1014·7	-3	WSW	6	c-	51	85	6	4000	St	7	-	7	4
Deal	1016·4	-1	WSW	6	b	53	75	6	-	-	0	-	0	•
Margate	1017·1	-1	W	5	b-	52	85	8	1500	St	2	-	2	3
Scilly (St. Mary's)	1017·8	-2	SW'W	5	o	50	85	8	2500	StCu	10	-	10	•
Falmouth (Pendennis)	1028·1	0	WNW	6	o	53	97	7	4000	StCu	10	-	10	6
Plymouth	1027·0	0	W	6	o	53	85	6	2500	Cu	8	-	8	2
Portland Bill	1025·7	-1	WNW	4	o	53	97	8	1500	St	10	-	10	•
Calshot	1022·9	-2	W	6	o	52	85	8	450	St	10	-	10	6
Dungeness	1021·6	-1	WSW	3	bc-	51	92	8	2500	StCu	4	-	4	0
Deal	1017·9	-2	WSW	6	c-	50	97	7	-	-	0	NCu	8	6
Margate	1027·0	-1	WSW	6	od.	51	92	8	1500	Nb	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. 9h. G.M.T. %
	24 HOURS ENDED 0900 G.M.T. 2nd								YESTERDAY.	TO-DAY.	
Kew Observatory											
Croydon 24 hours ended 0700	og	og	og	*	*	51	-	-	0·0	*	*
	o m-g	og	og	*	*	51	-	-	0·0	*	*
Greenwich (Royal Obsy.)	o	o	o	55	48	49	-	-	0·0	78	81
City (Bonhill Row)	*	*	*	*	*	*	*	*	0·5	*	*
Westminster (St. James' Pk.)	*	*	*	56	48	45	-	-	?	79	82
Regent's Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*	?	*	-
Camden Sq. (Brit. Rainfall)	*	*	*	55	47	42	-	-	*	*	83
Kensington Palace	o	o	*	55	43	50	-	-	*	96 (sat)	85
Hampstead Observatory	*	*	*	53	46	41	r.	-	?	*	85

Atmospheric Pollution. Lbs. of Solid impurity per million cubic yards.

24 Hr. ended 1800 G.M.T. 1st

South Kensington

Max.	Time	Min.	Time

Kew Observatory

Max.	Time.	Min.	Time.

Solar Radiation. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total ..... joules

Average Rate ..... Milliwatts.

Maximum Rate ..... Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from 1st ..... 17 h. 0 m. to 2nd ..... 4 h. 0 m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	12·0	NIL	0
δ Ursae Minoris	12·0	NIL	0

Radio Disturbances (Atmospherics) at Croydon.

Time	Type.	No. per 4 sec.	Strength	Direc.
10h.	C_1C_2	7	-	168°
11h.	C	6	-	165°
12h.	C_1C_2	6	-	60°
1h.	C_1C_2	6	-	50°

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom. 2nd & 3rd January 1922.

Stations.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	8·6 / 8·6	11·57 / 11·58	3·48 / 3·49
Greenwich	8·8 / 8·8	12·4 / 12·5	4·0 / 4·1
Wick	9·5 / 9·4	12·16 / 12·17	3·18 / 3·29
Valencia	8·51 / 8·51	12·46 / 12·46	4·34 / 4·40

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, or fine rain. f fog.
h hail. GQ line squall. l lightning.
m mist. o overcast sky.
p passing shower. r rain.
rs sleet, i.e., rain and snow together.
s snow. 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.

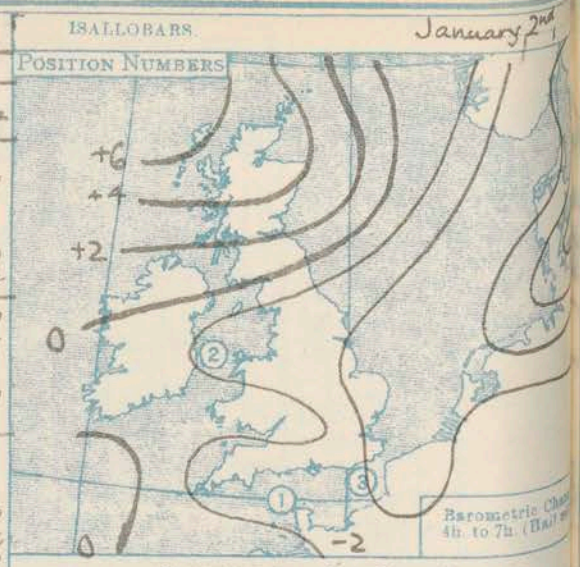
0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

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

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 1st	13h.-18h. 1st	18h.-1h. to 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. Hours.
Lerwick	p	p	r.d	p	44	32	*	1	1	1230	<2100	*
Stornoway	r o r d	r o r d	r.d	r a	51	38	*	7	8	L0800	-	0·0
Wick	o i m r r	o i d.	o r r	a c o r	51	39	*	5	13	L0800	<2100	*
Castlebay	d.d	d.d o	o d d	d d o	53	42	*	1	1	-	-	0·0
Nairn	p		p		52	38	*	1	3	9·0	3·30	0·0
Aberdeen	b o r b e	b c q b q	b q. o i r		54	41	38	-	5	-	24·00	1·4
Malin Head	d o q	d o d o q	D. b q	i R q	?55	48	*	1	9	L0800	<21·00	0·0
Renfrew	o m r r o	o r r g i r	o q i m r r		53	46	42	6	4	L0800	<2100	0·5
Inchkeith	r o r d	c	r.d	b. b e	53	?48	46	trace	2	-	-	*
Eskdalemuir	o d.o d	o p o b e	i r		~~54~~ 53	46	45	32	4	L0800	<2100	0·0
Tynemouth	o o i m q	c q	b.b e. i m q	i m c q p	53	51	*	-	1	-	2·30	*
Blacksod Point ...							*					*
Donaghadee	o m q p	i r.	o q i r	c q i r.	55	52	*	0·3	2	L0800	<21·00	*
Birr Castle	o i d.	o i d.	o r r		54	52	50	0·1	5	14·30	-	0·0
Baldonnell	r o r d	o q i m d	o r. r.	o o r r q	53	52	51	0·2	3	L0800	<21·00	0·0
Holyhead	o d o	o p. o	o o	o p.	54	52	52	0·1	trace	1330	16·30	0·0
Liverpool (Bidston) ...	o q	o o	p		56	49	46	trace	1	-	3·30	0·0
Chester (Shotwick) ...	o q d Q	o q	o p r q	o p r q r.	59	55	*	-	4	-	2·30	*
Howden												
Spurn Head	o o	o o	o o	o o	55	49	?	-	-	-	-	*
Nottingham	o o p	o o	p r		54	52	49	1	2	L0800	<2100	0·0
Cranwell	r o r d	o o	d d.	c i d.	53	51	49	trace	0·4	L0800	<2100	0·0
Gorleston	c q o q u	o o	o o	o o	53	53	51	-	-	-	-	0·0
Pulham	o o	o o	o o		53	51	50	-	-	-	-	0·0
Felixstowe	q p. r	o o	o o q		53	52	48	-	-	-	-	0·0
Valencia (Cahirciveen)	o m d n	o	o m	o m i d.	54	53	52	trace	0·1	11·0	4·30	0·0
Roches Point	o o	c	o o		55	53	*	-	trace	-	-	*
Pembroke (St. Ann's H.)	o o	o o	o o	o o	56	52	*	-	-	-	-	0·0
Ross-on-Wye	o q c o q	o q e g o	o i d. o q	o q	55	52	50	-	-	-	-	0·0
Benson...	o o	o o	o o		52	52	49	-	-	-	-	*
S. Farnborough ...	o o	o o	o o		53	51	50	-	-	-	-	0·0
London (Kew Obsy.) ...	o o q	o q o	o o q	o q.	53	53	51	-	-	-	-	0·0
Croydon	o i m q	o q	o q	o q	53	53	51	-	-	-	-	0·0
Clacton-on-Sea ...		b c o m c	c. o q	o q. c	53	51	49	-	-	-	-	0·0
Shoeburyness	o o	c	c		55	52	50	-	-	-	-	0·0
Grain	o o	o o	o o		53	52	49	-	-	-	-	0·0
Lympne	o o	o o i g o	o o	o o	50	48	44	trace	trace	1330	6·30	0·0
Scilly (St. Mary's) ...	o o	o o	o o	c	54	50	*	-	-	-	-	0·4
Falmouth (Pendennis.)	c o m d	o m d	o m d	o m c q	53	51	*	trace	-	9·0	-	0·6
Plymouth	p	p	p		53	52	46	trace	trace	1530	-	0·2
Portland Bill	o o	o o	o o	o o	53	49	*	-	-	-	-	*
Calshot	o o	c	c	r. d	53	51	49	-	trace	-	24·00	0·0
Dungeness	o o d r	o o	b. b e q	q. i r	51	50	*	trace	0·2	9·0	5·30	*
Jersey	o c o e	o e o d.	o d. o	o d. o	58	50	*	0·5	1	1530	22·00	0·0



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp.
3	1st 0300	Arundel	WNW	4	0	50	5
3	2nd 0300	Brighton	W	7	0	52	5

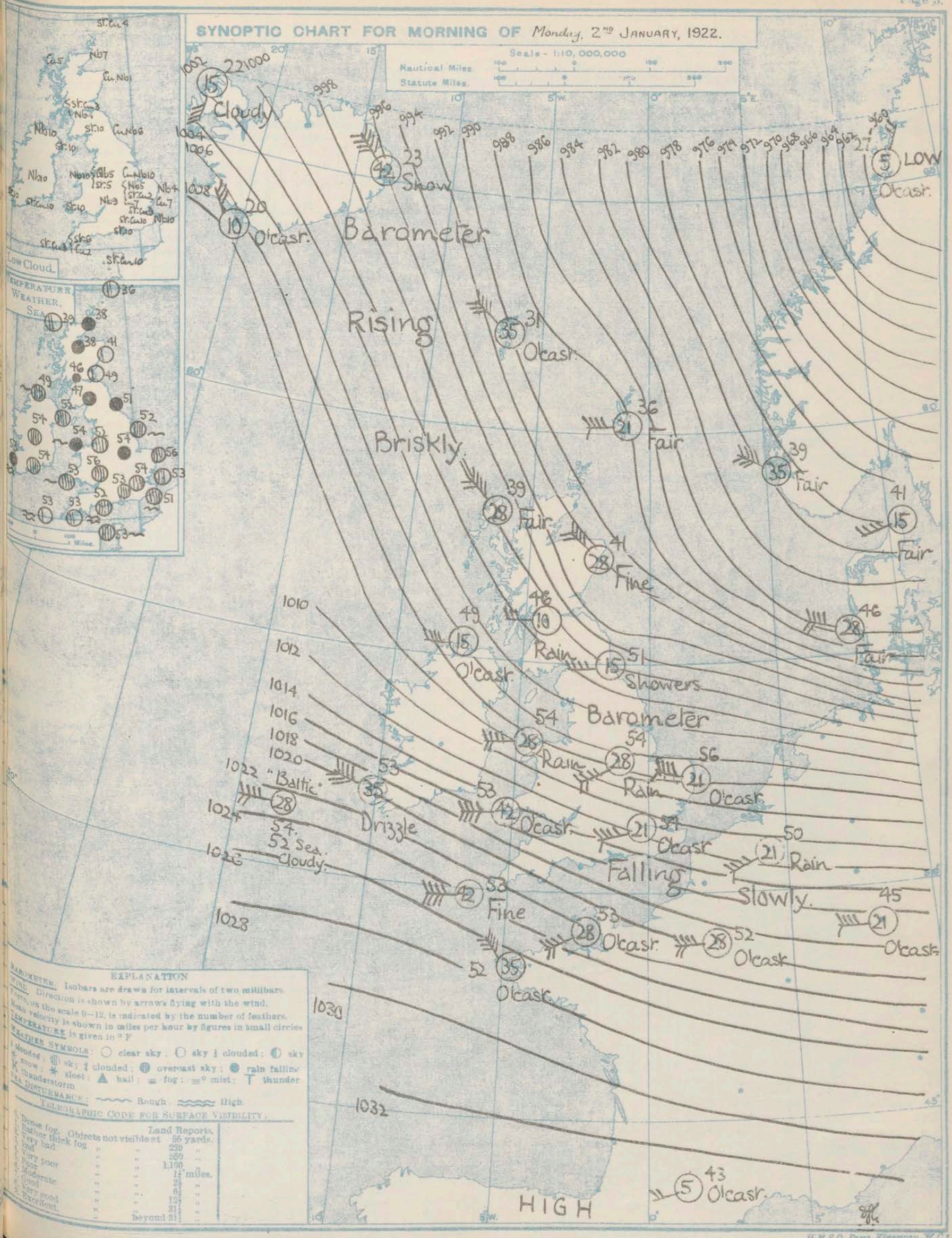
GENERAL INFERENCE.

The barometer is rising briskly in Iceland and cold air is spreading from the North. Winds are likely to become more Northerly with a lower temperature general but it is probable that the conditions will be very temporary.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Monday, 2nd. January 1922.	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 Westerly veering to North-West, strong to a gale, then moderating; dull with occasional rain, fairer tomorrow; visibility fair to good; mild, then colder.	NONE ISSUED.
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	Wind North-West, fresh or strong, then moderating; variable sky, some showers of hail or snow; visibility fair to good; colder.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind West veering North-West; dull, rain at times, fairer tomorrow; visibility fair; mild, then colder.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 09.30. G. C. SIMPSON, F.R.S., Dir.

† For Code see opposite page.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION Monday 2nd JANUARY 1922 No. 2

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	984·1	-3	W	4	bc,d,d	38	85	6	-	-	0	HSt	5	*
Stornoway	993·9	-3	W	3	R	*	*	4	*	*	*	*	*	*
Wick	989·0	-4	NW	1	ofr	43	94	8	800	St	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1003·9	-5	W	4	od,d	52	94	6	4000	Nb	10	-	10	*
Renfrew														*
Inchkeith	994·6	-2	WSW	6	ofr	51	92	5	*	Nb	10	-	10	*
Eskdalemuir														*
Tynemouth	1001·0	-3	W	5	b	54	85	6	-	-	0	-	0	*
Blacksod Point														*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1013·2	-4	SW	4	ofr	53	94	5	800	St	10	-	10	*
Holyhead	1011·9	-2	SW'W	4	0	*	*	4	2500	St	10	-	10	*
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden														*
Spurn Head	1004·8	-3	W	6	0	53	55	4	450	St	10	-	10	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1009·1	-5	WSW	4	0	53	92	4	1500	St	10	-	10	*
Gorleston	1010·5	-1	WNW	5	0	53	92	4	-	-	0	A St	10	*
Pulham														*
Felixstowe														*
Valencia (Cahirciveen)	?	+3	W	5	c/fr	53	94	5	*	*	*	*	*	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1020·1	0	WSW	6	0	53	92	5	2500	St	10	-	10	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	*	*	*	*	*	55	*	*	*	*	*	*	*	*
Croydon	1016·4	-2	W	6	0	53	85	4	2500	St Cu	4	A St	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1015·8	-2	SW	6	0	50	92	4	1500	St Cu	10	-	10	*
Scilly (St. Mary's)	1024·1	0	W'N	6	0	53	94	4	4000	St Cu	10	-	10	*
Falmouth (Pendennis)	1025·8	-2	W	6	0	51	92	6	1500	Cu	10	-	10	*
Plymouth														*
Portland Bill	1020·6	-3	WSW	6	0	50	85	5	450	St	10	-	10	*
Calshot	1018·9	-3	WSW	5	od	53	92	4	800	Nb	10	-	10	*
Dungeness	1015·3	-1	WSW	6	bc+	50	94	4	-	-	0	A Cu	5	*
Jersey 7h / Guernsey 1h	1024·8	-3	W	4	od	52	92	6	1500	St	10	-	10	*

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	988·5	0	W	5	bc-	36	95	4	*	St Cu	4	-	4	4
Stornoway	998·0	+4	NW	6	bc-	39	94	6	4000	Cu	5	-	5	4
Wick	992·2	+4	NW	6	cPR	38	92	8	4000	Nb	4	-	4	3
Castlebay	1003·4	+6	WNW	5	0	44	95	8	2500	St	10	-	10	6
Nairn	996·8	*	W	5	bc,pr	38	94	8	1500	St	4	-	4	*
Aberdeen	993·9	+5	NW	6	b-	41	85	8	4000	Cu Nb	1	-	1	*
Malin Head	1004·4	+1	W	4	ofr	49	85	4	1000	Nb	10	-	10	6
Renfrew	999·9	+3	WNW	3	cr	46	85	6	2500	Nb	4	-	4	*
Inchkeith	993·9	+3	W	6	b	49	95	8	*	St	2	-	2	4
Eskdalemuir	995·8	-1	WNW	6	or	44	85	8	1500	St	10	-	10	*
Tynemouth	994·6	-2	W	4	bc,pr	51	92	4	2500	Cu Nb	6	-	6	3
Blacksod Point														*
Donaghadee	1004·9	-1	WNW	4	0	52	95	4	1500	St	10	-	10	5
Birr Castle	1013·4	*	SW	4	oRR	54	94	2	450	Nb	10	-	10	*
Baldonnell	1010·9	-2	WSW	5	ofr	53	92	4	1500	St	10	-	10	*
Holyhead	1008·8	-3	W	6	or	54	92	4	1500	Nb	10	-	10	6
Liverpool (Bidston)	1004·0	-3	WSW	8	ofr	52	85	5	1500	St	10	-	10	0
Chester (Shotwick)	1006·6	-4	W	5	or	56	95	4	450	Nb	10	-	10	5
Howden														*
Spurn Head	999·0	-5	W	4	0	52	92	4	4000	Cu Nb	10	-	10	6
Nottingham	1005·6	*	WSW	6	oR	54	92	5	800	Cu Nb	10	-	10	*
Cranwell	1004·8	-4	W'S	6	cpr	53	92	6	1500	Nb	4	-	4	1
Gorleston	1004·6	-4	W'N	5	0	56	85	4	4000	Nb	4	A St	10	*
Pulham	1005·4	-3	W'S	6	0	56	85	6	2500	St Cu	10	-	10	*
Felixstowe	1008·5	-5	W'N	6	0	55	85	4	2500	St Cu	10	-	10	4
Valencia (Cahirciveen)	1021·0	-1	WNW	4	od	53	92	5	800	St	10	-	10	4
Roches Point	1020·0	0	SW	4	0	54	92	8	1500	St Cu	10	-	10	3
Pembroke (St. Ann's H.)	1015·8	-2	W	8	0	53	92	4	2500	St	10	-	10	6
Ross-on-Wye	1011·4	-2	W	6	0	56	95	9	2500	Nb	9	A St	10	*
Benson	1010·9	-3	W	5	c	53	85	6	*	Cu	4	-	4	*
S. Farnborough	1012·0	-2	W'S	6	0	53	92	8	1500	St Cu	10	-	10	*
London (Kew Obsy.)	1010·4	-3	W	5	0	54	85	8	2500	St Cu	9	-	9	*
Croydon	1011·4	-3	W	6	0	54	85	4	1500	St	10	-	10	*
Clacton-on-Sea	1008·0	-4	W	4	c	53	85	6	4000	Cu	4	-	4	1
Shoeburyness	1009·0	-4	WNW	4	0	55	95	6	2500	Cu	8	A St	10	*
Grain	1009·4	-4	W	4	0	53	85	8	2500	St Cu	10	-	10	6
Lympne	1011·6	-3	SW	6	or	51	94	4	450	Nb	10	-	10	*
Scilly (St. Mary's)	1024·0	-2	W	8	b-	53	94	4	4000	St Cu	3	-	3	4
Falmouth (Pendennis)	1022·2	-4	W	8	bc-	53	95	6	1500	Cu	6	-	6	2
Plymouth	1020·4	-3	W	6	0	53	92	8	1500	St	10	-	10	3
Portland Bill	1016·9	-3	W	8	0	52	85	4	450	St	10	-	10	4
Calshot	1015·1	-3	W	6	od	53	92	8	1500	St Cu	10	-	10	3
Dungeness	1010·4	-4	WSW	6	c+	51	92	7	-	-	0	A St	8	6
Jersey 7h / Guernsey 1h	1022·4	-1	SW	6	ofr	53	85	8	4000	St Cu	10	-	10	6

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

Stations	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 17h.-9h. 31-1st mm.	Rainfall.† Day 9h.-17h. 1st mm.	Sunshine. Sunrise to Sunset 1st hr.	Sunshine. hr.
Banff	ro	oc	53	41	4	3	0·0	
Montrose	c	bc.c	57	40	-	-	3·0	
Llandudno	pog	gpr	54	44	-	0·5	0·0	
Colwyn Bay	bc	bbr	55	44	-	-	0·0	
Rhyl	cg	cp	56	44	-	-	0·3	
Southport	odo	o	51	44	-	-	0·0	
Blackpool	c	or	52	44	0·2	-	0·2	
Harrogate	bcc	co	52	40	5	1	0·0	
Skegness	g	o	59	39	-	-	0·0	
Aberystwyth	ooc	co	50	42	-	-	0·0	
Bath	o	o	53	38	-	-	0·0	
Leamington Spa	o	o	54	37	-	-	0·0	
Lowestoft							?	
Felixstowe	o3	og	53	37	-	-	0·0	
Southend	o	oc	51	37	-	-	0·0	

Stations	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 17h.-9h. 31st-1st mm.	Rainfall.† Day 9h.-17h. 1st mm.	Sunshine. Sunrise to Sunset 1st hr.
Paignton							
Ilfracombe							
Bude	mdo	mdo	53	46	-	-	0·0
Penzance	odc	oc	54	46	0·3	0·2	0·2
Torquay	o	o	55	42	-	-	0·2
Weymouth	oc	co	54	42	-	-	0·0
Bournemouth	o	o	53	38	-	-	0·0
Portsmouth (S'thsea)	o	o	53	41	-	-	0·0
Worthing	o	oc	52	37	-	-	0·0
Brighton	o	o	50	40	-	-	0·0
Eastbourne	o	o	52	39	-	-	0·0
Hastings	o	o	51	36	trace	-	0·0
Folkestone	o	o	53	35	-	-	0·9
Tunbridge Wells	o	o	53	35	-	-	0·0
Ramsgate	o	o	50	35	-	-	0·2
Margate	o	o	53	38	-	-	0·0
Deal							
Falmouth	-	-	53	43	-	0·2	0·2

* 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. 21,954 TUESDAY, 3rd JANUARY 1922. Page 1.

Observations at 1300 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	Height of Low Cloud. Feet	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	993.7	+3	NW	7	ch₀G	34	97	8	2500	CuNb	8	-	8	*
Stornoway	1004.0	+8	NW	6	bph₀	37	65	6	4000	Cu	9	-	9	*
Wick	996.5	+4	NW	5	cs	36	85	7	1500	CuNb	7	-	7	*
Castlebay	1009.5	+5	W	5	cj	43	75	7	1500	CuNb	8	-	8	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	999.4	+3	NW	6	c+	38	85	8	4000	CuNb	8	-	8	*
Malin Head	1012.2	+4	WNW	4	opr₀	45	85	6	4000	CuNb	9	-	9	*
Renfrew	1007.0	+4	W	4	c	41	85	8	1500	StCu	7	-	7	*
Edinburgh (Inchkeith)	999.7	-1	WNW	6	bc	43	75	8	-	StCu	4	-	4	*
Eskdalemuir	1005.1	+4	W'N	7	b	40	65	8	2500	Cu	3	-	3	*
Tynemouth	1003.6	+3	W	4	b	44	75	7	2500	Cu	3	-	3	*
Blacksod Point														*
Donaghadee	1011.8	+8	WNW	3	bc+	45	65	7	4000	Cu	3	aCu	6	*
Birr Castle	1017.3	*	NW	2	c-	49	92	6	2500	Nb	8	-	8	*
Baldonnell	1015.3	+6	W	5	c-	48	75	7	2500	StCu	8	-	8	*
Holyhead	1013.0	+4	NW	7	o	49	85	8	2500	StCu	9	-	9	*
Liverpool (Bidston)	1010.8	+7	WNW	6	c-	47	75	7	2500	CuNb	7	-	7	*
Chester (Shotwick)	1010.0	+5	W	7	o	49	75	8	1500	St	10	-	10	*
Spurn Head	1003.6	+4	NW	7	bc	48	75	6	4000	Cu	4	-	4	*
Nottingham	1007.9	*	NW	5	bc-	51	75	6	1500	CuNb	6	-	6	*
Cranwell	1007.6	+3	NW'W	7	c	51	85	6	800	StCu	6	aCu	7	*
Gorleston	1004.4	0	NW	6	bc-	55	65	6	6750	Cu	6	-	6	*
Pulham	1005.9	0	W'N	6	o	55	75	7	2500	StCu	9	-	9	*
Felixstowe	1007.5	+6	WNW	6	c-	57	65 (6)	8	2500	StCu	6	aSt	9	*
Valencia (Cahirciveen)	1021.7	0	WNW	6	o	53	85	7	800	St	7	aSt	10	*
Roches Point	1019.8	0	WNW	5	oj	53	85	8	1500	CuNb	10	-	10	*
Pembroke (St. Ann's H.)	1016.1	+1	W	6	o	53	92	7	2500	St	10	-	10	*
Ross-on-Wye	1012.1	+1	NW'W	6	o-	55	75	8	2500	Nb	7	aCu	9	*
Benson	1010.1	-1	WNW	5	o	56	65	8	-	Cu	10	-	10	*
S. Farnborough	1010.8	-3	W'N	6	o	56	75	8	1500	StCu	10	-	10	*
London (Kew Obsy.)	1009.6	-2	W	4	o/r	56	75	8	1500	Nb	10	-	10	*
Croydon	1010.3	-2	W	6	opr₀	56	75	7	2500	StCu	8	aSt	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1008.0	-1	W	5	or₀	55	75	8	1500	Cu	5	aSt	9	*
Grain	1008.2	-1	WNW	6	opr₀	56	75	6	2500	Nb	10	-	10	*
Lympne	1009.4	-2	W	6	or₀	56	75	8	1500	St	9	aSt	10	*
Scilly (St. Mary's)	1022.6	-1	W	7	od₀	54	97	6	1500	St	10	-	10	*
Falmouth (Pendennis)	1020.2	0	W	8	mo+	54	92	6	1500	CuNb	10	-	10	*
Plymouth (Cattewater)	1019.0	-1	SW	4	odd	54	97	6	1500	Nb	10	-	10	*
Portland Bill	1015.3	-2	W'N	8	bc-	52	85	7	800	Cu	4	-	4	*
Southampton (Calshot)	[illegible]	-2	W'N	5	or+	55	85	8	1500	StCu	10	-	10	*
Dungeness	1009.6	-1	WSW	6	c	51	97	7	2500	Cu	8	-	8	*
Jersey	1020.7	-2	SW	6	od₀	53	92	7	800	Nb	10	-	10	*

Observations at 1800 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	Height of Low Cloud. Feet	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	994.7	+5	NW	7	bcps₀	34	97	6	7250	CuNb	6	-	6	6
Stornoway	1007.9	+5	NNW	6	cps₀	39	55	6	4000	Cu	8	-	8	4
Wick	1002.0	+7	NW	7	cs	32	97	8	1500	CuNb	7	-	7	6
Castlebay	1012.9	+3	NW	5	bc/b	40	85	7	1500	St	4	-	4	6
Nairn	1005.8	x	WNW	3	ops₀	32	97	8	1500	CuNb	9	-	9	*
Aberdeen	1004.0	+6	NW	6	b	34	75	8	-	-	0	-	0	3
Malin Head	1014.9	+3	WNW	5	opr₀	45	75	7	4000	StCu	9	-	9	6
Renfrew	1010.0	+6	WNW	5	b-	38	75	8	2500	StCu	1	-	1	*
Edinburgh (Inchkeith)	1006.8	+9	WNW	5	b/h	38	75	8	-	StCu	2	-	2	4
Eskdalemuir	1008.5	+3	NW'W	6	b	36	65	8	-	-	0	-	0	*
Tynemouth	1006.8	+3	NW	4	b	40	75	7	-	-	0	-	0	2
Blacksod Point														
Donaghadee	1014.1	+3	NNW	5	b	42	75	8	5750	Cu	3	-	3	6
Birr Castle	1020.0	*	W	1	o+	43	85	4	2500	StCu	9	-	9	*
Baldonnell	1018.7	+2	WSW	4	o+	42	75	7	2500	StCu	10	-	10	*
Holyhead	1016.3	+2	NW'N	6	o	45	85	8	2500	Nb	10	-	10	6
Liverpool (Bidston)	1012.8	+2	WNW	7	c	44	75	7	2500	StCu	7	-	7	7
Chester (Shotwick)	1012.1	+4	WNW	8	o+	45	65	8	800	St	10	-	10	*
Spurn Head	1006.8	+3	NW	7	b	45	97	6	4000	Cu	3	-	3	5
Nottingham	1011.8	*	NW	4	opr₀	45	75	5	2500	Nb	10	-	10	*
Cranwell	1011.0	+2	WNW	6	b-	42	75	7	2500	StCu	1	CiSt	2	*
Gorleston	1007.8	+3	NW	5	b-	43	75	7	7250	StCu	2	-	2	4
Pulham	1009.3	+4	WNW	4	b	44	71	7	-	-	-	-	-	*
Felixstowe	1010.8	+6	NW'N	6	b-	47	75	9	4000	StCu	1	aSt	2	4
Valencia (Cahirciveen)	1023.3	+3	N	4	od₀	48	85	7	1500	St	10	-	10	6
Roches Point	1021.7	+3	W	4	o	48	85	8	-	-	0	aSt	10	3
Pembroke (St. Ann's H.)	1018.7	+3	NW	5	o	47	85	7	2500	Cu	10	-	10	4
Ross-on-Wye	1015.5	+5	NW	3	c+	46	65	9	4000	StCu	7	CiSt	8	*
Benson	1013.3	+5	NNW	2	b/r	44	85	7	-	Cu	3	-	3	*
S. Farnborough	1013.5	+5	NW'W	3	c/r	50	75	8	2500	Cu	8	-	8	*
London (Kew Obsy.)	1013.4	+6	NW	3	bc-	49	75	8	4000	Cu	5	-	5	*
Croydon	1013.1	+5	NW'N	5	bc-	48	75	7	2500	StCu	3	Ci	6	*
Clacton-on-Sea	1010.5	+4	WNW	5	b-	46	75	7	4000	Cu	2	-	2	4
Shoeburyness	1011.0	+3	N	6	b/r	46	65	7	-	-	0	-	0	*
Grain	[illegible] 1011.7	+4	NW	4	b	46	75	8	4000	StCu	2	-	2	0
Lympne	1012.0	+4	NW	4	c/r	48	75	8	2500	St	7	-	7	*
Scilly (St. Mary's)	1022.0	0	WNW	6	odd	52	97	6	1500	St	10	-	10	7
Falmouth (Pendennis)	1020.2	0	W	6	mo-	53	85	6	2500	Cu	10	-	10	2
Plymouth (Cattewater)	1018.1	0	NW	3	o	53	85	8	1500	St	10	-	10	0
Portland Bill	1015.3	0	NW	7	bc	52	85	7	1500	StCu	4	-	4	6
Southampton (Calshot)	1014.2	+3	WNW	4	b/r	51	85	8	4000	StCu	2	-	2	3
Dungeness	1011.4	+2	WNW	4	bc+	51	85	7	-	-	0	aCu	6	5
Jersey	1019.3	-1	SW	6	od₀+	53	97	7	800	Nb	10	-	10	6

LONDON OBSERVATIONS. 24 HOURS ENDED 0900 G.M.T. 3rd

London Observations	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. °F.	Temp. Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)
Kew	bq oq pc	bcp.cq	bc.b.o.o	*	*	36	0.1	-	0.9	*	*
Croydon (24 hours ended 0700)	oq/ba	bp.cp.bc	bc.c.o.o	*	*	38	tr	-	1.0	*	*
Greenwich (Royal Obsy.)	o.oq	or.o	c.o	57	39	35	0.8	-	0.1	70	78
City (Bunhill Row)	*	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James' Pk.)	*	*	*	58	39	34	1.1	-	0.3	75	82
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*		*	*
Camden Sq. (Brit. Rainfall)	c.	c	*	57	38	34	0.2	-	*	72	86
Kensington Palace	od.	odr	*	58	39	36	0.7	-	*	76 (1½)	81
Hampstead Observatory	*	*	*	55	36	29	-	0.5	0.2	*	83

ATMOSPHERIC POLLUTION. Milligrams of Solid impurity per cubic metre. 24 Hrs. ended 1800 G.M.T.

	Max.	Time.	Min.	Time.
South Kensington				
Kew Observatory	0.6	1300 2nd	0.3	0200 & 0600 2nd

SOLAR RADIATION. Vertical component per square centimetre. During yesterday. South Kensington. Total .... joules. Average Rate .... Milliwatts. Maximum Rate .... Milliwatts.

POLE STAR RECORD at Greenwich Obsy. Exposure from 3rd 17 h. 0 m. to 4th 7 h. 0 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	12 0	3.15	23
δ Ursae Minoris	12 0	2.30	18

RADIO DISTURBANCES (Atmospherics) AT CROYDON.¹

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C	6	-	180°
18h.	C₁C₂	7	-	85°
01h.	C₁C₂	7	-	50°
07h.	C₁C₂	7	-	150°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 3rd & 4th JANUARY 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8.6 / 8.5	11.58 / 11.58	3.49 / 3.50
Greenwich	8.8 / 8.8	12.5 / 12.5	4.1 / 4.2
Wick	9.4 / 9.3	12.14 / 12.14	3.29 / 3.30
Valencia	8.51 / 8.50	12.46 / 12.46	4.40 / 4.41

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow. 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.
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.

SEA DISTURBANCE.
0=no swell, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 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

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.

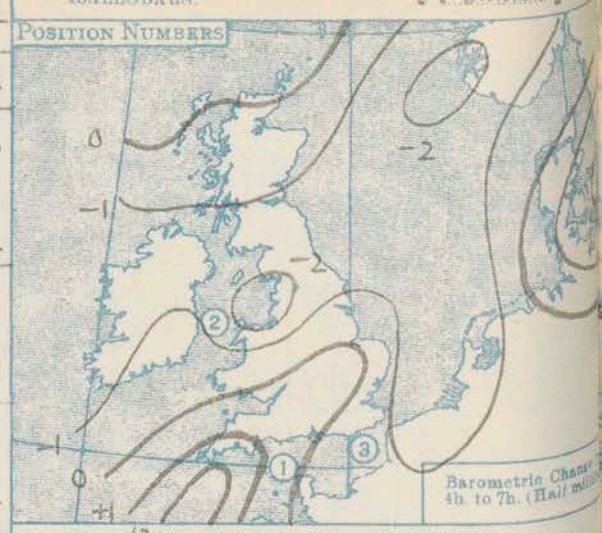
M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS

STATIONS	WEATHER. 7h.-13h. 2nd	13h.-18h. 2nd	18h. 2nd 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	hor rh	s or rs	s or rs	hor rh	40	29	•	0.2	trace	0900	<2100	•
Stornoway	P	P	hor rh	P	39	33	•	3	1	-	<2100	0.0
Wick	c ishq	c ishq	SHq	ISH2	42	30	•	3	4	<0800	-	•
Castlebay	op.c.o	o hp.bc	bc.op	op.c	44	37	•	1	0.5	-	-	0.0
Nairn	s or rs		s or rs		38	30	•	0.5	0.6	1100	2200	0.7
Aberdeen	bs.pq	p.sbq	bcq	pb	41	32	28	0.6	2	1100	2200	2.4
Malin Head	op.g.	opq	oq/p	cq/p	49	37	•	0.6	2	0900	<2100	0.1
Renfrew	c	bc.b.o	~~xb.o~~	~~xbqim~~	46	?	31	0.2	-	<0800	-	?
Edinburgh (Inchkeith)	bor bc	hor rh	bor bc	bor bc	49	35	32	-	-	-	-	•
Eskdalemuir	obcq.rb	bo rs co	bor bc		47	30	28	0.4	-	<0800	-	4.2
Tynemouth	bor bcq	bor bcq	bor bc im	bor bc	51	33	•	-	-	-	-	•
Blacksod Point ...							•					•
Donaghadee	bcq	bcq/p	bcq/p	oq/p	53	36	•	0.4	3	<0800	<2100	•
Birr Castle	cr.	c.op.r	co	co	54	39	35	1	-	<0800	-	0.3
Baldonnell	o.oq	c	bor bc	bor bc	53	37	33	0.2	-	<0800	-	1.4
Holyhead	o.bc.o	oir.	o.c.b.bc	c	54	42	41	trace	-	1630	-	0.7
Liverpool (Bidston) ...	oo	c	r or d		53	35	34	0.5	5	<0800	0330	6.1
Chester (Shotwick) ...	oq	bc.oq	o.c.o R	op.ho	57	36	34	0.2	5	<0800	2400	0.0
... ...												
Spurn Head	bor bc	bor bc	bor bc	bor bc	53	37	•	-	-	-	-	2.6
Nottingham	RR.c	cp	bor bc		55	38	33	2	-	<0800	-	1.0
Cranwell	c	bor bc	bor bc	bor bc	56	33	28	0.4	-	<0800	-	1.5
Gorleston	c	c	bor bc	bor bc	57	36	34	-	-	-	-	2.5
Pulham	oo		c		57	35	31		-		-	1.5
Felixstowe	oo	bor bc	bor bc		57	38	34	-	-	-	-	2.1
Valencia (Cahirciveen)	oid.m	od	for m	c.bc	53	46	42	0.6	-	<0800	-	0.0
Roches Point	oo	p	bor bc		56	42	•	0.2	trace	1530	-	•
Pembroke (St. Ann's H.)	oo	oo	c	c	53	43	•	1	-	1430	-	0.0
Ross-on-Wye	oq/p.dc	bc.c.wo	bc.op.ob	bc.oq	57	39	35	-	-	-	-	0.3
Benson	Rc	r. c	c		57	36	32	1	-	1230	-	•
S. Farnborough ...	oo	r. p.	c		57	38	32	trace	-	1430	-	1.1
London (Kew Obsy.) ...	oq.oq/p.c	bcp.cq	bc.b.o	oo	57	39	36	0.1	-	0900	-	0.9
Croydon	~~oqd.~~	op.cp.bc	bc.c.o	o	56	39	38	trace	-	1230	-	1.0
Clacton-on-Sea ...	cp	bc.b	b.bo.c.	c.bc.b	57	38	34	0.4	-	0900	-	1.3
Shoeburyness	p	r or d	bor bc		58	38	33	0.5	-	1230	-	0.2
Grain	oo.	p	c		57	37	33	~~0.5~~ 0.4	-	<0800	0430	0.0
Lympne	r or d	oq/ir.	c.bc.eq	oq/dop.	56	37	33	1	0.2	<0800	0430	0.0
Scilly (St. Mary's) ...	ornq	r or d	p	c	54	46	•	0.3	2	1230	<2100	0.0
Falmouth (Pendennis.)	c.ornq	ornq	o.c.bc	bc.op	55	45	•	trace	0.4	<0800	0230	0.0
Plymouth (Cattewater)	r or d	oo	oo		55	45	?	trace	-	-	-	0.1
Portland Bill	c	c	oo	bor bc	56	48	•	-	-	-	-	•
Southampton (Calshot)	r or d	r or d	c	c	56	40	39	trace	-	<0800	-	0.1
Dungeness	cq	bor bc	c	c	55	39	•	trace	trace	1430	0430	•
Jersey	od.	od.	r or d	od.o	55	45	•	0.4	1	0900	2200	0.0

① bcbq
① ~~xbqim~~

ISALLOBARS. 3rd January.



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea
2	2nd 1000	Cambria	W	7	bc	52	50
3	2nd 0300	Arundel	NW	2	cot	50	46

oqpr.

GENERAL INFERENCE.

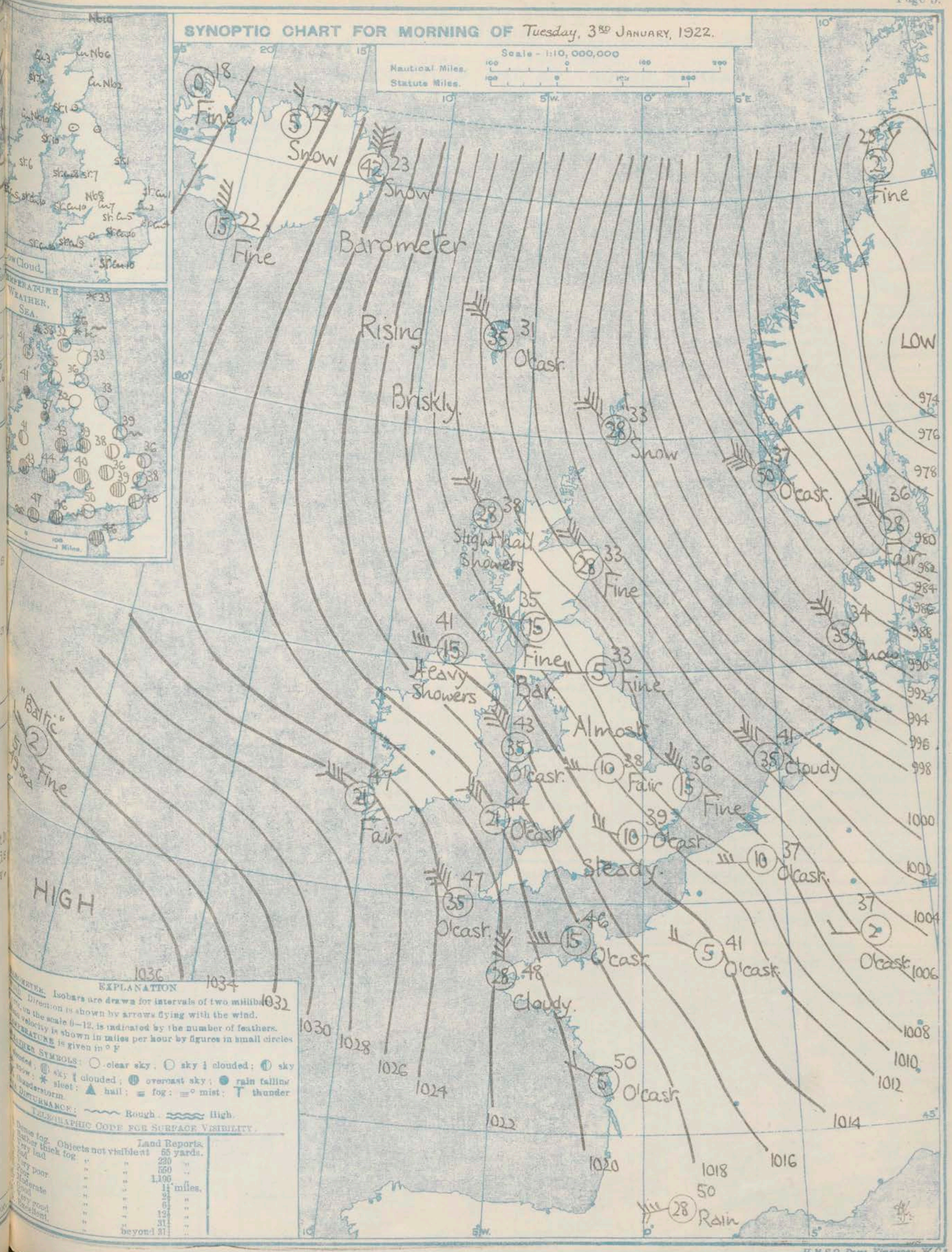
Pressure continues to increase over Iceland and a large high now extends over the whole area from the Azores to Iceland. It seems probable that winds will be Northerly for two or three days at least, with a low temperature and snow at times.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday, 3rd January, 1922.	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	Wind N.W. or N., moderate or fresh; strong locally; varying sky, some showers, snow probable in places; visibility fair; cold.	Cold for some days, with Northerly winds and local snow. ------
11. E. Scotland 12. S.W. Scotland	Wind Northerly, moderate to strong; varying sky, snow at times; visibility fair; cold.	South Cone still flying
13. Isle of Man	As for 1 - 10.	
14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind Northerly, strong to a gale; varying sky, snow at times; visibility fair; cold.	
17. N.W. Ireland 18. N.E. Ireland	As for 1 - 10.	
19. S.E. Ireland 20. S.W. Ireland	Wind N.W., moderate or fresh; varying sky, some showers; visibility fair; rather cold.	

65.b

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 09.30. G. C. SIMPSON, F.R.S., Director.

For Code see opposite page



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. TUESDAY 3RD JANUARY 1922. No. 3

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	996·4	0	NW	6	OS	30	97	6	4000	Nb	10	–	10	*
Stornoway	1011·3	+2	WNW	5	PH	*	*	5	*	*	*	*	*	*
Wick	1003·6	0	NW	7	CSt	33	?	8	2500	CuNb	8	–	8	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1016·9	0	WNW	4	OPR	42	92	7	4000	CuNb	10	–	10	*
Renfrew														*
Edinburgh (Inchkeith)	1009·0	+3	WNW	4	b	36	85	8	–	–	0	–	0	*
Eskdalemuir														*
Tynemouth	1009·7	0	W	1	b	35	85	6	–	–	0	–	0	*
Blacksod Point														*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1021·0	+1	WSW	4	bc	39	85	6	4000	StCu	4	–	4	*
Holyhead	1017·5	+1	NW	7	C+	*	*	7	1500	StCu	7	–	7	*
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Sholwick)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1009·3	+1	NW	6	b	40	85	7	1500	St	1	–	1	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1013·1	+1	WNW	4	b	38	85	7	–	–	0	–	0	*
Gorleston	1010·4	+1	NW	4	b	38	75	7	–	–	0	–	0	*
Pulham														*
Felixstowe														*
Valencia (Cahirciveen)	1016·2	+2	W	5	bcpr	45	85	5	*	Cu	5	–	5	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Anu's H.)	1024·0	+2	NW	5	bc-	44	85	8	2500	Cu	4	–	4	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	*	*	*	*	*	43	*	*	*	*	*	*	*	*
Croydon	1015·0	0	W	4	o+	43	65	7	2500	StCu	5 4	a.St	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1013·6	+2	NW	6	o+	41	85	8	1500	St	9	–	9	*
Scilly (St. Mary's)	1022·4	+1	NW'N	6	b+	48	85	7	4000	CuNb	3	–	3	*
Falmouth (Pendennis)	1021·9	+4	N	5	bc/f	47	65	7	2500	StCu	6	–	6	*
Plymouth (Cattewater)														*
Portland Bill	1018·0	+3	NW	7	o+	50	85	7	4500	St	10	–	10	*
Southampton (Calshot)	1017·4	+2	NW	5	b	44	85	8	–	–	0	–	0	*
Dungeness	1014·1	0	N	3	bc+	42	75	7	–	CuNb	5	–	5	*
Jersey 7h / Guernsey 1h	1019·0	+1	WNW	5	bc/r	51	85	8	7250	StCu	5	–	5	*

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	997·7	0	NW	6	OS	33	75	6	2500	Nb	10	–	10	5
Stornoway	1009·7	0	NNW	6	bpha	38	65	7	4000	Cu	3	–	3	4
Wick	1002·9	0	NW	9	bcSt	36	85	8	2500	CuNb	6	–	6	6
Castlebay	1014·6	0	NW	5	bc-	41	75	7	1500	St	6	–	6	5
Nairn	1008·2	*	W	1	bc/S	32	97	8	1500	St	5	–	5	4
Aberdeen	1005·3	-1	NW	6	b/S	33	92	8	4000	CuNb	2	–	2	3
Malin Head	1015·8	-1	WNW	4	OPR-	41	97	7	4000	CuNb	10	–	10	4
Renfrew	1011·6	-1	WNW	4	b-	35	85	6	4000	St	1	–	1	*
Edinburgh (Inchkeith)	1008·4	0	WNW	4	b	36	85	8	–	–	0	–	0	3
Eskdalemuir	1010·2	-2	WNW	6	b	32	85	8	–	–	0	–	0	*
Tynemouth	1009·0	-1	W	2	b	33	75	7	–	–	0	–	0	2
Blacksod Point	1016·1	0	NW	4	OPR-	37	92	8	4000	St	10	–	10	4
Donaghadee	1021·2	*	W	3	bc-	41	85	4	1500	St	6	–	6	*
Birr Castle	1019·9	+1	WNW	4	bc	39	75	7	4500	StCu	2	a.St	5	*
Baldonnell	1016·1	-2	NW'N	7	c	43	92	8	1500	StCu	8	–	8	6
Holyhead	1013·9	-2	WNW	6	o/r	39	85	9	1500	St	10	–	10	7
Liverpool (Bidston)	1013·4	-3	NW	5	OPH	38	92	5	1500	Nb	10	–	10	*
Chester (Sholwick)														*
Spurn Head	1008·0	-1	NW	7	b	39	92	6	1500	St	1	–	1	6
Nottingham	1012·5	*	W	3	bc-	38	75	5	–	–	0	Cu	5	*
Cranwell	1012·2	0	NW'W	3	bc+	34	85	7	4000	St	4	a.Cu	6	*
Gorleston	1009·7	-1	NW	4	b	36	75	7	7250	StCu	1	–	1	1
Pulham	1010·5	0	WNW	4	b	36	75	7	–	–	0	–	0	4
Felixstowe	1012·3	0	NWW	5	b	38	85	8	–	–	0	a.St	2	4
Valencia (Cahirciveen)	1026·7	-2	WNW	5	bc	47	65	8	2500	StCu	5	–	5	4
Roches Point	1024·7	-1	NW	3	o	43	92	8	1500	StCu	10	–	10	6
Pembroke (St. Anu's H.)	1020·8	0	NW	5	o	44	85	8	4000	StCu	10	–	10	4
Ross-on-Wye	1016·5	0	NW'W	3	odb	40	75	8	2500	Nb	8	a.St	10	*
Benson	1015·4	0	NNW	3	c	36	92	8	–	Cu	7	–	7	*
S. Farnborough	1015·2	0	NW	2	o	39	85	8	4000	StCu	10	–	10	*
London (Kew Obsy.)	1014·4	0	W'N	3	o	39	75	6	2500	StCu	5	a.St	9	*
Croydon	1015·1	0	WNW	4	o	39	75	7	2500	St	7	Cu.St	10	*
Clacton-on-Sea	1011·8	0	WNW	4	b-	38	85	8	4000	Cu	2	–	2	0
Shoeburyness	1012·6	0	NE	1	b	39	75	7	4000	Cu	1	Cu.St	2	5
Grain	1012·9	-1	WNW	4	bc-	38	85	8	4000	StCu	5	a.St	6	*
Lympne	1013·2	-1	NW	5	c/r	37	85	8	2500	StCu	4	Cu.St	8	*
Scilly (St. Mary's)	1025·4	+1	NNW	6	o	47	97	8	4000	StCu	10	–	10	7
Falmouth (Pendennis)	1022·4	+2	N	5	o+	46	65	7	2500	StCu	9	–	9	1
Plymouth (Cattewater)	1020·6	+1	NNW	3	o	45	75	8	1500	StCu	10	–	10	0
Portland Bill	1018·0	0	NW	7	b-	50	85	8	–	–	0	Cu.Cu	2	6
Southampton (Calshot)	1016·7	0	WSW	3	o+	41	85	8	2500	StCu	10	–	10	0
Dungeness	1013·7	0	NNW	3	bc-	40	75	7	4000	Cu	5	–	5	4
Jersey 7h / Guernsey 1h	1019·6	0	W	4	o/r	46	75	8	4000	StCu	10	–	10	3

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 2ND JAN.

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 17h.-9h. 1ST 2ND mm.	Rainfall.† Day 9h.-17h. 2ND mm.	Sunshine. Sunrise to 17h. 2ND hr.	Sunshine. hr.
Banff	CTSpq	q/hbc b	39	37	10	1	0·4	
Montrose	c.bc.	c	43	37	3	–	3·0	
Llandudno	or. o	c	53	51	3	0·2	0·1	
Colwyn Bay	c.bc.	c	53	53	4	–	0·7	
Rhyl	q/	q/	53	47	?	–	1·3	
Southport	oq/o	o.bcp.c	51	50	3	0·4	0·6	
Blackpool	og.	c.o	52	49	2	0·3	0·8	
Harrogate	c.bc.b	bc.c.b	48	48	5	–	2·6	
Skegness	o.b.	b.bc	55	46	0·1	–	4·4	
Aberystwyth	r.o	c.o	51	48	1	2	0·0	
Bath	o.c	c.bc.o	56	52	–	–	1·0	
Leamington Spa	o	o	56	45	4	–	0·0	
Lowestoft	o.c	c.bc b	55	43	–	–	2·0	
Felixstowe	ov.	bq/	58	51	–	–	2·4	
Southend	oq/.	r.bcq/	57	50	–	3	0·2	

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 17h.-9h. 1ST 2ND mm.	Rainfall.† Day 9h.-17h. 2ND mm.	Sunshine. Sunrise to 17h. 2ND hr.	Sunshine. hr.
Paignton	odq/	pc	57	52	mm.	mm.	hr.	
Ilfracombe	o	o	55	49	0·3	trace	0·2	
Bude	ozd.	ozd.p	55	52	0·1	0·4	0·0	
Penzance	odm	odm	55	52	0·3	1	0·0	
Falmouth Observatory	–	–	54	52	–	0·2	0·0	
Torquay	o	o	57	53	–	–	0·3	
Weymouth	o.c.	op.c b	57	50	–	0·3	0·3	
Bournemouth	o.c.	o.c.r	58	50	–	–	1·0	
Portsmouth (S'thsea)	o	o	57	51	–	–	0·5	
Worthing	d.o	o.bc	57	50	–	0·3	0·2	
Brighton	o.c.bc	bc.or.o	57	50	–	1	0·5	
Eastbourne	om	bc	56	51	–	–	0·0	
Hastings	om.o.c	c.or.c b	56	50	0·2	4	0·0	
Folkestone	o	r	51	47	–	5	0·0	
Tunbridge Wells	o.c.	od.c.bc	57	51	–	–	0·1	
Ramsgate	o	o	55	49	–	0·8	0·0	
Margate	o.	or	56	43	–	0·3	0·0	
Deal	or	c.bc	57	49	–	1	0·0	
[illegible]	–	–	–	–		–	0·0	

* 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. B21,958. Wednesday, 4th January 1922. Page 1.

Observations at 1300 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	Height of Low Cloud Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	999.8	+3	NNW	6	bcps	32	92	6	4000	CuNb	5	-	5	*
Stornoway	1011.7	+2	N	5	ops_o	32	97	7	450	St	10	-	10	*
Wick	1004.7	+1	NW	9	cs	32	97	8	2500	CuNb	7	-	7	*
Castlebay	1015.1	+1	WNW	6	bc/s	41	75	7	2500	Cu	6	-	6	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1005.7	+1	NW	5	os_o	32	97	5	4000	Nb	10	-	10	*
Malin Head	1015.8	0	NW	4	cPH	42	97	7	4000	CuNb	7	-	7	*
Renfrew	1011.2	0	WNW	5	b	37	75	9	4000	Cu	1	-	1	*
Edinburgh (Inchkeith)	1007.9	-1	WNW	4	b+	38	65	8	-	StCu	2	-	2	*
Eskdalemuir	1009.5	-1	NW	6	b	36	75	8	-	-	0	-	0	*
Tynemouth	1007.9	-1	NW	3	b	38	65	6	-	-	0	-	0	*
Blacksod Point														*
Donaghadee	1015.8	0	NW	4	cPS	38	92	7	4000	CuNb	8	-	8	*
Birr Castle	1020.9	*	W	3	c+	42	92	7	1500	Cu	4	CiCu	8	*
Baldonnell	1018.7	-2	W	4	c-	40	85	6	1500	St	7	-	7	*
Holyhead	1015.1	-2	NW	7	o+	43	85	8	2500	StCu	9	-	9	*
Liverpool (Bidston)	1012.5	-1	WNW	6	c-	39	75	8	2500	CuNb	7	-	7	*
Chester (Shotwick)	1012.2	-2	WNW	5	$o_o r_o$	42	75	8	800	Nb	10	-	10	*
Spurn Head	1006.5	-2	NW	7	b	40	75	7	1500	St	1	-	1	*
Nottingham	1010.2	*	NW	4	b-	41	75	5	4000	Cu	2	-	2	*
Cranwell	1010.1	-2	NW	6	bc	39	75	7	2500	Cu	5	-	5	*
Gorleston	1008.0	-2	NW	5	bc+	40	65	7	4000	Cu	6	-	6	*
Pulham	1009.5	-1	WNW	4	bc+	39	75	6	2500	CuNb	5	-	5	*
Felixstowe	1010.3	-3	NW	5	bc+	41	75	8	4000	CuNb	5	ASt	6	*
Valencia (Cahirciveen)	1026.5	0	NW	6	cph	46	85	8	1500	St	8	-	8	*
Roches Point	1023.8	-1	NW	4	c-	46	85	8	1500	CuNb	7	-	7	*
Pembroke (St. Ann's H.)	1018.9	-1	WNW	5	c	44	85	8	2500	Cu	8	-	8	*
Ross-on-Wye	1014.3	-2	NW	4	bc-	41	75	8	4000	Cu	2	ACu	4	*
Benson	1013.1	-2	WNW	4	c	40	75	8	-	Cu	8	-	8	*
S. Farnborough	1013.3	-3	WNW	4	o/r	42	75	8	1500	StCu	9	ASt	10	*
London (Kew Obsy.)	1011.7	-4	WNW	6	opr_o	41	75	7	1500	Nb	1	ASt	9	*
Croydon	1012.8	-3	WNW	4	o	41	75	7	2500	St	2	ASt	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1010.0	-4	NW	3	bc	41	65	6	4000	Cu	4	-	4	*
Grain	1010.6	-4	NW	6	c	40	75	8	1500	Cu	5	ACu	7	*
Lympne	1010.4	-5	WNW	5	bc-	41	75	6	2500	Cu	5	CiSt	6	*
Scilly (St. Mary's)	1022.2	-1	NW	6	bcPR	48	97	8	4000	CuNb	6	-	6	*
Falmouth (Pendennis)	1021.0	-2	NW	6	oPR	44	75	6	2500	StCu	9	-	9	*
Plymouth (Cattewater)	1019.2	-2	NW	3	oPR	45	85	8	1500	StCu	10	-	10	*
Portland Bill	1016.2	-2	NW	7	bc	47	85	7	-	-	0	CiCu	4	*
Southampton (Calshot)	1014.5	-3	NW	5	o+	43	85	8	4000	StCu	8	Ci	9	*
Dungeness	1010.7	-5	NW	4	bc+	43	75	7	4000	Cu	5	-	5	*
Jersey	1018.2	-1	NW	4	c+	48	65	8	4000	StCu	7	-	7	*

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	Height of Low Cloud Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1002.9	+7	NNW	6	os	31	97	6	2500	Nb	10	-	10	5
Stornoway	1015.4	+3	N	5	cph	35	92	7	4000	Nb	7	-	7	4
Wick	1007.4	+3	NNW	8	bcs	36	97	8	2500	CuNb	6	-	6	7
Castlebay	1019.3	+7	N	5	bc/s	38	85	7	1500	CuNb	6	-	6	6
Nairn	1012.0	*	WNW	5	bc	32	97	8	4000	CuNb	6	-	6	*
Aberdeen	1007.5	+3	NW	5	bc/s	33	85	8	4000	CuNb	4	-	4	3
Malin Head	1018.0	+3	NNW	4	cPH	40	97	7	4000	CuNb	8	-	8	4
Renfrew	1013.6	+5	WNW	2	b-	33	85	8	4000	StCu	1	-	1	*
Edinburgh (Inchkeith)	1009.9	+3	NW	4	b	35	85	8	-	-	0	-	0	3
Eskdalemuir	1012.2	+3	NNW	5	b	31	75	8	-	-	0	-	0	*
Tynemouth	1008.2	0	NNW	4	b	35	75	6	4000	Cu	2	-	2	4
Blacksod Point														
Donaghadee	1016.0	0	NNW	5	bc	38	85	7	4000	CuNb	6	-	6	6
Birr Castle	1022.2	*	NW	3	bc-	39	92	6	4000	Cu	6	-	6	*
Baldonnell	1019.5	+1	W'N	4	bc+	37	85	6	4000	StCu	6	-	6	*
Holyhead	1014.3	+1	NNW	8	c/s	41	92	8	1500	Nb	8	-	8	7
Liverpool (Bidston)	1011.3	-1	NW	7	bc/s	40	65	8	2500	Cu	3	ACu	6	7
Chester (Shotwick)	1011.3	-1	NW	6	o/r	39	65	7	1500	StCu	9	-	9	*
Spurn Head	1005.6	-1	NW	7	b	38	75	7	1500	St	3	-	3	6
Nottingham	1009.7	*	NW	3	b-	37	75	6	-	-	0	-	0	*
Cranwell	1009.3	-1	NW'W	4	b-	35	75	8	-	-	0	-	0	*
Gorleston	1006.8	-2	WNW	3	b	36	65	7	-	-	0	-	0	0
Pulham	1007.1	-1	W'N	4	b	35	75	6	-	-	0	-	0	*
Felixstowe	1009.0	-1	NW	4	b	37	75	8	-	-	0	-	0	2
Valencia (Cahirciveen)	1027.4	+3	NNW	5	cph	47	75	8	1500	StCu	7	-	7	6
Roches Point	1024.2	+1	NNW	4	b-	44	85	8	4000	CuNb	1	-	1	0
Pembroke (St. Ann's H.)	1018.6	-1	NW	6	b-	43	85	8	2500	Cu	2	-	2	4
Ross-on-Wye	1013.9	-1	NW'N	3	crs-	36	92	8	4000	CuNb	7	-	7	*
Benson	1011.7	-1	NW	4	b-	36	85	8	-	Cu	3	-	3	*
S. Farnborough	1011.6	-2	NW	5	bc	37	85	8	-	-	0	ACu	6	*
London (Kew Obsy.)	1010.3	-2	WNW	3	c	39	75	6	4000	StCu	8	-	8	*
Croydon	1011.3	-1	WNW	3	o	37	92	7	4000	StCu	6	ASt	10	*
Clacton-on-Sea	1008.0	0	WNW	3	b	36	75	6	4000	Cu	3	-	3	0
Shoeburyness														
Grain	1009.5	-1	WNW	5	b-	37	75	8	2500	Cu	2	-	2	3
Lympne	1009.3	-1	NW	5	b-	36	75	6	-	-	0	-	0	*
Scilly (St. Mary's)	1021.0	-1	NW'N	7	cPR	47	97	7	4000	CuNb	8	-	8	7
Falmouth (Pendennis)	1019.6	0	NW	7	ch(r)	44	75	6	4000	Cu	8	-	8	1
Plymouth (Cattewater)	1017.6	0	NW	4	oR	42	85	7	1500	Nb	10	-	10	0
Portland Bill	1013.8	-3	NW	7	b	43	85	7	-	-	0	Ci	3	7
Southampton (Calshot)	1012.3	-2	NW	5	bc-	40	85	8	4000	StCu	4	-	4	3
Dungeness	1009.3	-1	NW	3	b-	36	85	8	4000	Cu	2	-	2	4
Jersey	1015.9	-1	NW	4	bc/r	46	65	8	4000	StCu	4	-	4	3

London Observations

24 Hours ended 0900 G.M.T. 4th (Sunshine: Yesterday; Humidity 15h: Yesterday; 9h: To-day)

London Observations	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. °F.	Temp. 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. %
Kew (24 hours ended 0700)	$oip_o yp$	oqpc	b	*	*	29	-	-	0.3	*	*
Croydon (24 hours ended 0700)	$dimd_o$	o.c.	$b.bpr_o b$	*	*	29	Tr	Tr	0.6	*	*
Greenwich (Royal Obsy.)	o	$o.c.T_o$	b	42	32	27	-	-	0.1	71	88
City (Bunhill Row)	*	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James' Pk.)	*	*	*	43	33	26	-	-	0.2	73	78
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*		*	*
Camden Sq. (Brit. Rainfall)	c	bc	*	42	31	27	-	-	*	75	79
Kensington Palace	c.	bc.	*	42	32	29	-	0.3	*	79(18h)	85
Hampstead Observatory	*	*	*	42	29	21	-	-	0.6	*	98

Atmospheric Pollution.
Milligrams of Solid impurity per cubic metre.

24 Hrs. ended 1800 G.M.T. 3rd

South Kensington Max.	Time.	Min.	Time.
0.6	2nd 18h	<0.3	3rd 0-4h
0.6	3rd 8-11h		

Kew Observatory Max.	Time.	Min.	Time.
0.3	3rd 5h	<0.3	2nd 22h-3rd 2h
0.6	3rd 10h		

Solar Radiation.
Vertical component per square centimetre.

During yesterday.

South Kensington.

Total .... joules

Average Rate

.... Milliwatts.

Maximum Rate

.... Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from 3rd 17 h 0 m. to 4th 7 h 0 m.

Stars.	Exposure h. m.	Record h. m.	Record %
Polaris	14 0	13.5	93
δ Ursae Minoris	14 0	12.34	90

Radio Disturbances (Atmospherics) at Croydon.*

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C_1C_2	7	-	145
18h.	C_1C_2	7	-	160
01h.	C	6	-	35
07h.	C_1C_2	6	-	65

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom.

4th + 5th January 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8.5	11.58	3.50
	8.5	11.58	3.51
Greenwich	8.8	12.5	4.2
	8.7	12.5	4.3
Wick	9.3	12.17	3.30
	9.2	12.17	3.32
Valencia	8.50	12.46	4.41
	8.50	12.46	4.42

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow 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, 1=mod. swell, 2=heavy swell: Calm or slight sea.
3=no swell, 4=mod. swell, 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

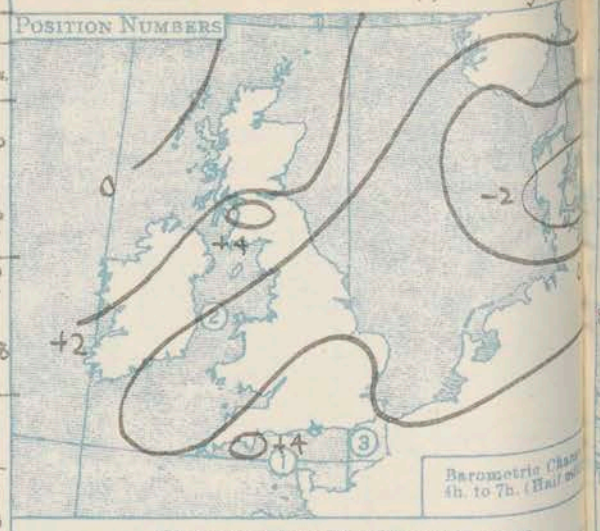
¹ For explanation, see Introduction. * Information for these columns not usually received. † The barometric change is expressed in half millibars. ‡ For code see page 3.

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS

STATIONS.	WEATHER. 7h.-13h. 3rd	13h.-18h. 3rd	18h.-1h. 3rd to 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. Hours.
Lerwick	ps	S or rs	S or rs	S or rs	36	28	•	10	9	<0800	<2100	•
Stornoway	p	p	S or rs	p	38	31	•	2	1	<0800	<2100	0·0
Wick	cisH	shpq	cisH	cshpq	37	30	•	3	2	<0800	<2100	•
Castlebay	cshpc	cspc	cspbc	bcshp	41	32	•	2	4	–	–	1·7
Nairn	S or rs		S or rs		33	32	•	1	0·1	0900	–	0·0
Aberdeen	bqois	bqois	bqois		34	31	25	3	5	0900	<2100	0·7
Malin Head	cqPH	cqPH	cqPH	cqPH	44	37	•	1	0·6	<0800	<2100	1·0
Renfrew	b	b	bx		39	31	26	–	–	–	–	5·7
Edinburgh (Inchkeith)	b or bc	b or bc	b or bc	b or bc	38	33	29	–	–	–	–	•
Eskdalemuir	b or bc	b or bc	b or bc		36	29	27	–	–	–	–	5·8
Tynemouth	b or bc 1m	b or bc 1mq	Soq	Soq	38	33	•	–	0·3	–	–	•
Blacksod Point							•					•
Donaghadee	bcphs	cqphs	cqphs	bcqph	41	35	•	8	0·3	<0800	0530	•
Birr Castle	coR	copr	[illegible]	bcx	43	32	28	2	0·2	<0800	<2100	2·4
Baldonnell	or	cprm	b or bc	b or bc	40	32	28	1	–	0900	–	1·9
Holyhead	oco	ophpw	cph.bc	op.bc	44	35	33	1	3	<0800	–	0·9
Liverpool (Bidston)	h or rh	S or rs	b or bc		43	35	31	0.5	–	1530	–	0·7
Chester (Shotwick)	oprho rsq	oprhq coq	cbcbq	bc.bq	42	35	33	5	–	1330	–	•
Spurn Head	b or bc	b or bc	S or rs	S or rs	47	31	•	–	0·2	–	0130	4·1
Nottingham	b or bcm	b or bc	b or bc		41	33	29	–	–	–	–	0·9
Cranwell	b or bc	b or bc	b or bc	b or bc	39	31	28	–	–	–	–	4·3
Gorleston	b or bc	b or bc	oqS	qshlr	40	33	32	–	9	–	<2100	5·0
Pulham	c	c	S or rs		40	29	24	–	–	–	–	4·5
Felixstowe	c	b or bc	S or rs		42	29	27	–	–	–	–	2·0
Valencia (Cahirciveen)	ophc	cphr	p	b or bc	48	43	39	1	0·2	<0800	<2100	1·1
Roches Point	p	b or bc	b or bc		47	38	•	0·3	–	1100	–	•
Pembroke (St. Ann's H.)	oo	cqph	bcq	b or bc	45	38	•	0·3	0·3	1430	<2100	0·8
Ross-on-Wye	ocbbcc	bccpbc	bc.oSP	bcbqbbcb	42	32	24	0·5	0·3	1530	<2100	3·0
Benson	oc	iro	b or bc		41	32	23	0·3	–	1230	–	•
S. Farnborough	p	p	b or bc		43	31	26	0·2	–	1100	–	0·1
London (Kew Obsy.)	oiRqp	oqpc	b	b	42	33	29	–	–	–	–	0·3
Croydon	oimdo	oc	o.b.prs	b	41	32	29	trace	trace	0900	<2100	0·6
Clacton-on-Sea	bbcm		bc.b	b.bcpS	40	30	27	–	0·1	–	0430	1·3
Shoeburyness	b or bc		b or bc		42	32	30		–		–	1·8
Grain	c	b or bc	b or bc		42	32	29	–	–	–	–	1·8
Lympne	ocbcqm	b or bc	b. o.	b or bc	42	30	28	–	–	–	–	2·6
Scilly (St. Mary's)	p	p	cq	cq	49	41	•	2	1	<0800	<2100	3·0
Falmouth (Pendennis)	oqpm	ocprh	cmpqm	c.bcpq	47	37	•	3	1	0900	2200	0·1
Plymouth (Cattewater)	p	r or dpS	r or d		47	35	?	1	5	1230	<2100	1·4
Portland Bill	b or bc	b or bc	b or bc	b or bc	48	37	•	–	–	–	–	•
Southampton (Calshot)	c	p	p	b or bc	44	34	32	trace	0·4	1430	<2100	2·5
Dungeness	cir	c	b or bcx	b or bc	44	32	•	0·1	–	0900	–	•
Jersey	oc	copc	north	op.c	48	39	•	0·1	1	1530	2200	0·8

ISALLOBARS. 4th January.



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea
	3rd 1000	Cambria	WNW	7	C	42	52
	3rd 1300	Reindeer	NW	5	PR.	54	51
	4th 0300	Brighton	NNW	9	pho	38	51

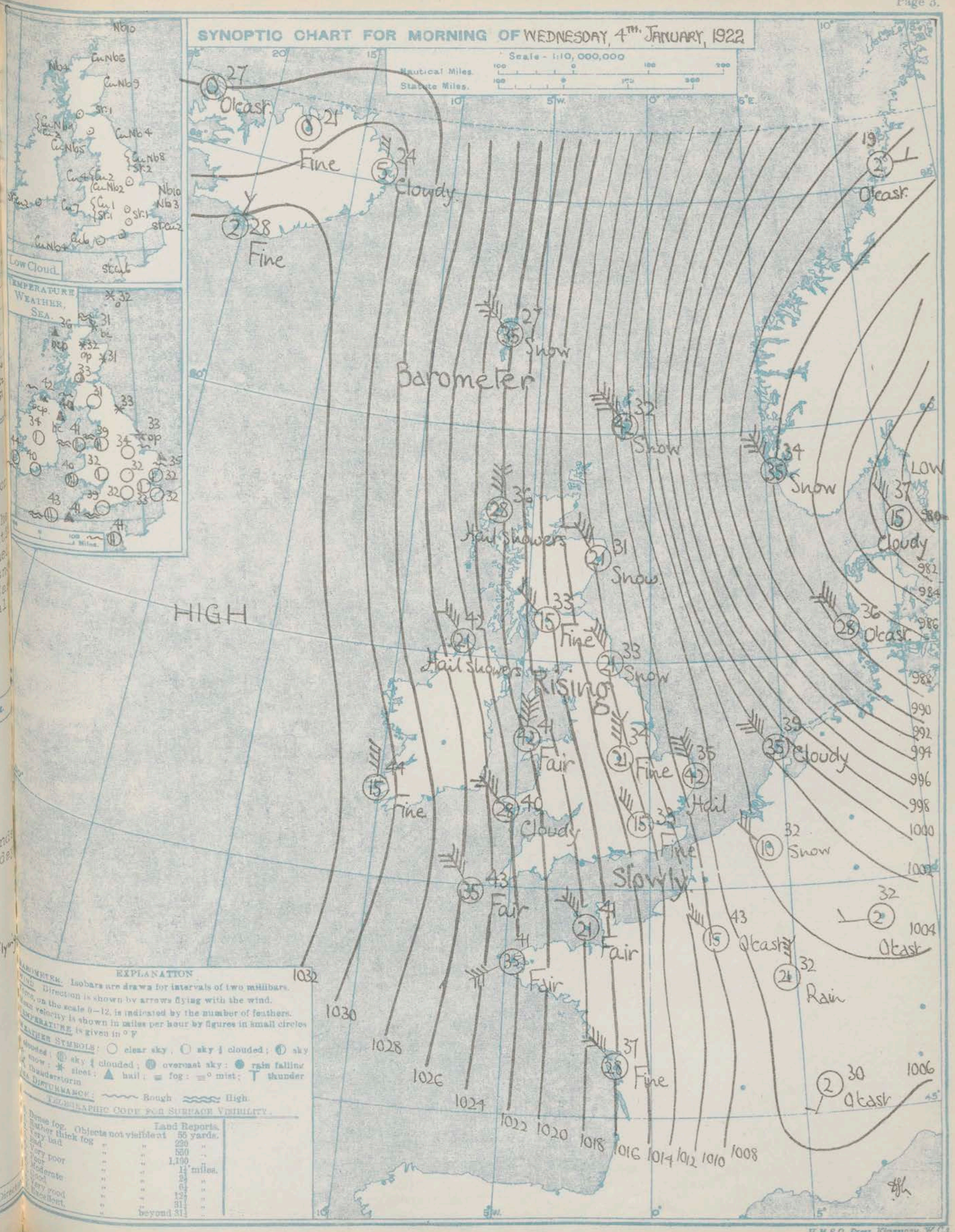
GENERAL INFERENCE.

The stream of cold air fro the North resulting from the anticyclone in the West and th large depression over the Balt area is likely to be maintaine and cold weather with local sn especially in the North and Sc may be expected to last several days.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday 4th January, 1922.	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	Wind Northerly, fresh or strong, moderating gradually; mainly fair but local snow or hail showers; visibility mainly good; cold.	Cold with Northerly winds for several days
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	Wind Northerly, strong, moderating gradually; variable sky, snow or hail at times; visibility fair to good; cold.	Cons still flying
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind Northerly, moderate or fresh; mainly fair, but some showers of hail or sleet; visibility fair to good; cold.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 09.30 G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.



H.M.S.O. Press Kingsway, W.C.1.

M.O. Form 2370.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION. Wednesday, 4th January 1922. No. 4.

Observations at 0100 G.M.T. 4th / Observations at 0700 G.M.T. 4th

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 Height of Low Cloud (Feet)	0100 Low Cloud Form	0100 Low Cloud Amt. (0-10)	0100 Upper Form	0100 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 Height of Low Cloud (Feet)	0700 Low Cloud Form	0700 Low Cloud Amt. (0-10)	0700 Upper Form	0700 Total Amt. (0-10)	0700 Sea (0-9)
Lerwick	1006.4	+2	NNW	6	cs	29	97	6	2500	CuNb	8	–	8	·	1006.2	+2	NNW	7	os₀	32	85	4	2500	Nb	10	–	10	5
Stornoway	1021.5	+4	NW	6	PS	·	·	5	·	·	·	·	·	·	1021.3	0	N	6	bcPH	36	92	6	4000	Nb	4	–	4	5
Wick	1013.0	+4	NNW	8	cs	33	97	8	2500	CuNb	7	–	7	·	1012.9	+1	NNW	9	bcs	31	97	8	2500	CuNb	6	–	6	8
Castlebay	·	·	·	·	·	·	·	·	·	·	·	·	·	·	1025.1	0	NNW	4	as₀	37	85	7	1500	St	10	–	10	5
Nairn	·	·	·	·	·	·	·	·	·	·	·	·	·	·	1017.8	·	WNW	8	ops₀	32	97	8	1500	St	10	–	10	·
Aberdeen	·	·	·	·	·	·	·	·	·	·	·	·	·	·	1013.5	+1	NW'N	5	os	31	92	8	4000	CuNb	9	–	9	3
Malin Head														·	1024.6	+1	NW	5	bcPH	42	92	7	4000	CuNb	6	–	6	6
Renfrew														·	1019.5	+4	WNW	4	b	33	75	8	–	–	0	–	0	·
Edinburgh (Inchkeith)	1014.9	+5	NNW	4	b	33	97	8	–	–	0	–	0	·	1016.7	+2	NW	5	b	33	97	8	A.	St	1	–	1	4
Eskdalemuir														·	1018.2	+2	NW	5	b	~~34~~ 30	75	8	–	–	0	–	0	·
Tynemouth	1011.5	+2	NNW	5	b/s	34	85	7	–	–	0	–	0	·	1012.7	+1	NNW	5	bcs₀	33	85	7	2500	CuNb	4	–	4	4
Blacksod Point														·	1022.4	+2	N	5	bch₀(s)	40	65	8	4000	CuNb	5	–	5	6
Donaghadee	·	·	·	·	·	·	·	·	·	·	·	·	·	·	1026.6	·	NW	1	[illegible]	34	85	3	4000	StCu	10	–	10	·
Birr Castle	·	·	·	·	·	·	·	·	·	·	·	·	·	·	1026.6	+2	W'N	3	b	33	92	7	4000	StCu	2	–	2	·
Baldonnell	1024.6	+5	WNW	4	b	34	85	7	–	–	0	–	0	·	1021.0	+1	N	8	bc	41	75	8	2500	Cu	4	–	4	7
Holyhead	1019.5	+2	N'E	8	bc	*	*	7	800	Nb	4	–	4	·	1017.9	+2	NW	6	bcjp	39	65	9	2500	CuNb	4	–	4	7
Liverpool (Bidston)	·	·	·	·	·	·	·	·	·	·	·	·	·	·	1017.4	+2	NW	6	bt	37	65	6	800	St	3	–	3	·
Chester (Shotwick)	·	·	·	·	·	·	·	·	·	·	·	·	·	·														
Spurn Head	1006.2	0	NNW	9	oPS	33	97	0	450	St	10	–	10	·	1008.8	+2	NW	8	oPS	33	85	5	1500	CuNb	10	–	10	6
Nottingham	·	5·	·	·	·	·	·	·	·	·	·	·	·	·	1014.9	·	N	5	b	34	65	5	–	–	0	–	0	·
Cranwell	1011.8	+2	NW'N	6	b	32	85	7	–	–	0	–	0	·	1013.7	+2	NW'N	6	b	31	75	7	–	–	0	–	0	6
Gorleston	1006.4	0	NW	6	oss	33	97	5	4000	Nb	10	–	10	·	1007.2	+1	N'W	8	ob(r)	35	92	7	4000	Nb	10	–	10	·
Pulham														·	1009.8	0	NW	6	os₀s₀	30	97	6	2500	Nb	10	–	10	2
Felixstowe														·	1010.8	+1	NNW	4	o	29	75	7	450	St	10	–	10	6
Valencia (Cahirciveen)	1031.7	+2	NW	8	r₀	44	85	4	*	*	*	*	*	·	1031.7	+2	N	4	b-	44	75	8	2500	StCu	2	–	2	·
Roches Point	·	·	·	·	·	·	·	·	·	·	·	·	·	·	1029.5	+2	NW	4	b	40	85	8	–	–	0	–	0	5
Pembroke (St. Ann's H.)	1021.6	+3	NW	6	bc	40	85	8	4000	Cu	4	–	4	·	1023.5	+1	NW	6	c	40	85	8	4000	Cu	7	–	7	·
Ross-on-Wye	·	·	·	·	·	·	·	·	·	·	·	·	·	·	1018.5	+1	NW'N	1	b-	32	75	8	2500	Cu	2	–	2	·
Benson	·	·	·	·	·	·	·	·	·	·	·	·	·	·	1015.5	+2	NNW	4	b	32	65	9	–	–	0	–	0	·
S. Farnborough	·	·	·	·	·	·	·	·	·	·	·	·	·	·	1015.3	+2	NW	3	b	32	65	8	–	–	0	–	0	·
London (Kew Obsy.)	·	·	·	·	·	34	·	·	·	·	·	·	·	·	1014.2	+2	NNW	4	b	33	65	8	2500	St	1	–	1	·
Croydon	1012.4	+2	NNW	3	b	33	65	7	–	–	0	–	0	·	1014.7	+2	NW'W	4	b	32	65	7	–	–	0	–	0	0
Clacton-on-Sea	·	·	·	·	·	·	·	·	·	·	·	·	·	·	1009.7	+2	NW	5	b/s	32	85	7	4000	Nb	3	–	3	·
Shoeburyness	·	·	·	·	·	·	·	·	·	·	·	·	·	·	1011.7	+1	N	7	b	33	75	7	4000	Cu	1	–	1	3
Grain	·	·	·	·	·	·	·	·	·	·	·	·	·	·	1012.5	+3	NW	6	bc	33	65	8	4000	StCu	5	–	5	·
Lympne	1009.5	0	NW	7	b	31	85	6	–	–	0	–	0	·	1010.7	+2	NW	7	bt	31	75	6	4000	StCu	2	–	2	7
Scilly (St. Mary's)	1023.4	+1	NNW	7	bcPR	44	92	8	4000	CuNb	6	–	6	·	1025.6	+2	NNW	7	bc-	43	97	8	4000	CuNb	4	–	4	2
Falmouth (Pendennis)	1021.5	+2	NW	7	ch(r)	43	75	6	4000	Cu	8	–	8	·	1022.6	+4	NW	7	bch₀(s)	41	65	7	4000	Cu	6	–	6	0
Plymouth (Cattewater)														·	1021.9	+2	N	3	b/r	35	97	8	1500	Nb	2	–	2	7
Portland Bill	1015.2	+1	NW	6	b	40	85	7	–	–	0	–	0	·	1018.0	+3	NNW	7	b	39	85	7	–	–	0	–	0	3
Southampton (Calshot)	1014.6	+3	NNW	5	b	38	75	8	–	–	0	–	0	·	1016.6	+2	NNW	6	b	35	65	8	–	–	0	–	0	4
Dungeness	1008.7	+1	N	5	b	33	75	7	–	–	0	–	0	·	1010.1	+2	NNW	5	b	32	75	8	–	–	0	–	0	6
Jersey Th / Guernsey 1h	1016.1	+1	NNW	7	bcH(R)	44	65	8	5250	CuNb	5	–	5	·	1019.0	+1	NNW	5	bc/r	41	55	8	4000	StCu	6	–	6	·

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

Stations	Weather: Forenoon	Weather: Afternoon	Temperature: Max. Day °F.	Temperature: Min. Night °F.	Rainfall: Night 17h.-9h. 2nd-3rd (mm.)	Rainfall: Day 9h.-17h. 3rd (mm.)	Sunshine: Sunrise to Sunset 3rd (hr.)	hr.
Banff	cotlhp	chpq	39	33	3	2	0.0	
Montrose	cbc	c	37	33	–	–	3.7	
Llandudno	po	hpc	42	40	0.5	4	0.1	
Colwyn Bay	rph	phc	43	39	3	2	0.0	
Rhyl	qhr	sqh	44	39	0.6	4	0.0	
Southport	cbc	cbc	41	37	6	–	1.7	
Blackpool	c	bcc	43	37	2	–	3.4	
Harrogate	b	b	38	32	–	–	4.1	
Skegness	b	b	40	32	–	–	5.8	
Aberystwyth	ooc	c.cr	46	41	–	1	1.5	
Bath	opc	qp	43	41	–	0.3	0.4	
Leamington Spa								
Lowestoft	b	bbcb	40	34	–	–	5.2	
Felixstowe	bc	bz	41	36	–	–	2.3	
Southend	oc	bcc	42	36	–	–	1.6	

Stations	Weather: Forenoon	Weather: Afternoon	Temperature: Max. Day °F.	Temperature: Min. Night °F.	Rainfall: Night 17h.-9h. 2nd-3rd (mm.)	Rainfall: Day 9h.-17h. 3rd (mm.)	Sunshine: Sunrise to Sunset 3rd (hr.)
Paignton	bcc	opcbcb	46	42	0.3	0.5	2.0
Ilfracombe	ohr	ocbcc	46	42	0.4	0.2	0.0
Bude	oqop	p	47	46	–	1	1.0
Penzance	oprbc	cprc	48	45	2	1	1.4
Falmouth Observatory	–	–	48	44	–	3	0.7
Torquay	bcpc	pcbc	46	43	0.8	2	2.0
Weymouth	c	bcb	46	41	–	–	1.9
Bournemouth							
Portsmouth (S'thsea)	o	bc	44	41	–	0.3	1.4
Worthing	o	bc	44	38	–	–	0.8
Brighton	o	ocrc	44	39	–	–	0.3
Eastbourne	o	ocbc	43	39	–	–	0.5
Hastings	ocbc	bcc.b	43	39	trace	–	1.5
Folkestone	o	c	48	38	0.6	–	2.3
Tunbridge Wells	o	cbc	42	38	–	–	0.7
Ramsgate	o	bc	40	37	–	–	1.5
Margate	o	bcc	42	40	–	–	1.0
Deal	oc	bcc	44	37	2	trace	1.8

* 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. B2192.22 Thursday 5th January 1922. Page 1.

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	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1009.5	+2	NNW	7	c/ps	38	97	7	4000	Cu	2	A.St	9	•
Stornoway	1011.0	0	N	5	cph	34	92	6	450	St.	10	-	10	•
Wick	1014.3	+1	NNW	9	cs	33	97	8	2500	CuNb	8	-	8	•
Castlebay	1033.3	-1	NNW	5	o/s	40	75	8	1500	St.	6	A.St	8	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1013.0	-3	NNW/N	5	o/ps	33	75	8	1500	CuNb	2	-	2	•
Malin Head	1035.5	-2	NW	5	o/ps	41	92	7	4000	CuNb	6	-	6	•
Renfrew	1018.2	-1	NW	3	c+	37	75	9	4000	St.	2	C.St	9	•
Edinburgh (Inchkeith)	1015.4	-2	NNW	4	b	35	97	8	-	St.Cu	1	-	1	•
Eskdalemuir	1017.3	-2	N	3	os	31	85	7	1500	Nb	9	-	9	•
Tynemouth	1010.0	-3	N	5	cs₀	35	97	6	2500	CuNb	7	-	7	•
Blacksod Point														•
Donaghadee	1020.9	-2	N	5	bcp	40	85	8	4000	Cu	5	-	5	•
Birr Castle	1026.3	•	NW	1	c+	39	92	6	4000	Cu	7	-	7	•
Baldonnell	1024.5	-5	WSW	4	c	m37	85	7	2500	St.Cu	8	-	8	•
Holyhead	1022.0	-3	NNW	7	ojp	39	92	7	1500	CuNb	6	A.Cu	9	•
Liverpool (Bidston)	1016.9	-4	NW	6	bc	38	65	8	2500	Cu	5	-	5	•
Chester (Shotwick)	1016.1	-	[illegible]	6	bc-	39	65	9	1500	St.Cu	2	Ci.Cu	4	•
Spurn Head	1009.0	+1	NW	8	c/ps	33	97	5	1500	CuNb	9	-	9	•
Nottingham	1013.0	•	N	4	b+	37	65	6	3000	Cu	2	-	2	•
Cranwell	1012.4	-2	NNW/N	7	b	35	65	8	4000	Cu	1	A.Cu	2	•
Gorleston	1007.3	0	NNW/N	6	os	36	85	6	4000	CuNb	10	-	10	•
Pulham	1010.0	0	NW	5	cbs	30	97	3	2500	Nb	10	-	10	•
Felixstowe	1011.1	-1	NW	6	bc	32	85	8	1500	St.	5	-	5	•
Valencia (Cahirciveen)	1020.9	-3	NNW	5	pbo	45	75	8	1500	St.Cu	8	-	8	•
Roches Point	1038.5	-3	NW	3	bc+	42	75	8	4000	St.Cu	6	-	6	•
Pembroke (St. Ann's H.)	1023.3	0	NW	6	bc	41	85	8	4000	Cu	5	Ci	5	•
Ross-on-Wye	1017.6	-4	NW/N	4	bc+	38	65	8	4000	CuNb	[illegible]	Ci	7	•
Benson	1015.6	-2	NNW	5	b	36	55	7	-	-	-	Ci	1	•
S. Farnborough	1014.7	-2	NW	4	b	36	65	7	-	-	-	Ci	1	•
London (Kew Obsy.)	1014.0	-2	NNW	5	b	37	55	6	-	-	-	-	0	•
Croydon	1014.3	-2	NW	6	b	35	55	6	4000	Cu	2	-	2	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1010.9	-2	NW	7	b	36	65	6	5750	Cu	2	-	2	•
Grain	1011.9	-2	NNW	7	b	36	55	7	2500	Cu	1	A.Cu	2	•
Lympne	1010.9	-2	NW/N	1	bc+	35	75	8	1500	St.	3	A.St	4	•
Scilly (St. Mary's)	1024.3	0	NNW	6	bc	45	97	8	1000	St.Cu	6	-	6	•
Falmouth (Pendennis)	1022.2	-2	NNE	6	bch(r)	42	85	7	1000	Cu	6	-	6	•
Plymouth (Cattewater)	1019.9	-1	N	5	os	36	97	8	1500	Nb	10	-	10	•
Portland Bill	1018.0	0	NNW	7	b	39	85	7	-	-	-	?	?	•
Southampton (Calshot)	1014.2	-2	NNW	7	c	38	65	8	-	-	-	A.St	7	•
Dungeness	1010.0	-1	N	6	b	37	85	8	4000	Cu	2	-	2	•
Jersey	1018.4	0	NNW	5	c/s	42	55	8	1500	CuNb	8	-	8	•

Observations at 1800 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	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1012.5	+6	NNW	6	ops	37	75	7	7250	CuNb	10	-	10	5
Stornoway	1022.5	+2	N	4	cph	35	97	6	450	St.	10	-	10	3
Wick	1016.0	+2	NNW	8	cs₀	35	93	8	2500	CuNb	7	-	7	8
Castlebay	1024.5	+1	NNW	4	c/p(s)	39	65	7	1500	St.	9	-	9	4
Nairn	1020.1	+	NNW	3	c/p(h)	33	97	7	1500	St	8	-	8	•
Aberdeen	1015.3	+3	NNW/N	5	ops	35	75	8	4000	CuNb	7	-	7	3
Malin Head	1023.0	0	NNW	5	opm	43	92	7	4000	CuNb	9	-	9	6
Renfrew	1012.1	+3	E	3	bcm	32	85	4	5750	St.Cu	4	-	4	•
Edinburgh (Inchkeith)	1016.3	+2	NNW	4	b+	33	85	8	-	St.Cu	3	-	3	•
Eskdalemuir	1017.9	+1	N	5	b	29	55	8	-	-	-	-	0	•
Tynemouth	1012.5	+1	NNW	5	b/s	34	85	6	2500	Cu	5	-	5	7
Blacksod Point	•													
Donaghadee	1019.8	+1	NNE	5	bch	39	7	8	-	CuNb	5	-	5	6
Birr Castle	1025.8	•	E	3	c	39	92	5	4000	Cu	7	-	7	•
Baldonnell	1022.6	0	NNW	4	cr₀	38	85	6	1500	St.Cu	10	-	10	•
Holyhead	1018.9	+1	NNE	8	c-	41	85	8	1600	Nb	7	-	7	7
Liverpool (Bidston)	1016.7	+1	NW	6	b-	36	65	9	-	-	-	-	0	5
Chester (Shotwick)	1016.3	+1	N	5	b.	35	65	8	2500	St.Cu	1	-	1	•
Spurn Head	1008.0	+1	NW	6	bps	35	75	6	4000	Nb	2	-	2	7
Nottingham	1013.5	•	N	4	c+	34	65	6	-	-	-	A.Cu	7	•
Cranwell	1013.0	+1	NNW/N	7	b	32	75	8	-	-	-	A.Cu	2	•
Gorleston	1006.8	-1	NW/N	6	os	36	85	6	4000	CuNb	10	-	10	6
Pulham	1008.8	-1	NW	5	os	31	97	2	2500	Nb	10	-	10	•
Felixstowe	1010.5	0	NNW	6	bps(s)	32	75	7	450	St	3	-	3	2
Valencia (Cahirciveen)	1027.8	-3	NW	6	bpr₀	44	85	8	2500	St.Cu	3	-	3	6
Roches Point	1026.8	-1	NW	3	o	42	85	8	2500	St.Cu	10	-	10	0
Pembroke (St. Ann's H.)	1020.8	-1	NW	6	c+	42	85	8	4000	Cu	10	-	10	5
Ross-on-Wye	1017.0	-1	NNW	2	bc/s	33	85	8	4000	St.Cu	4	-	4	•
Benson	1014.8	0	NNW	5	b-	33	65	7	-	-	-	-	0	•
S. Farnborough	1014.8	0	NW	2	bmb	33	65	6	-	-	-	-	0	•
London (Kew Obsy.)	1013.1	0	NW	3	b	34	65	6	-	-	-	-	0	•
Croydon	1013.9	0	NW/N	5	b	33	85	6	-	-	-	A.Cu	1	•
Clacton-on-Sea	1009.4	0	NNW	6	bcs₀	33	85	7	4000	Cu	5	-	5	4
Shoeburyness	1010.6	0	NNW	8	b	34	85	6	-	-	-	-	0	•
Grain	1011.1	-1	NW	6	b	34	55	7	-	-	-	-	0	6
Lympne	1010.9	+1	NNW	7	b	33	65	7	4000	St.Cu	1	-	1	•
Scilly (St. Mary's)	1023.1	-1	NW	8	bpr₀	45	97	8	4000	St.Cu	10	-	10	7
Falmouth (Pendennis)	1020.5	-3	NNE	6	bch(r)	42	65	7	2500	CuNb	6	-	6	4
Plymouth (Cattewater)	1019.1	-2	N	3	bcph	40	85	8	2500	CuNb	4	-	4	0
Portland Bill	1015.5	-3	NNW	7	b	38	85	7	-	-	-	-	0	6
Southampton (Calshot)	1015.3	0	NW	6	b.	38	65	7	-	-	-	Ci	1	3
Dungeness	1010.0	+1	N	6	b	34	97	8	-	-	-	-	0	6
Jersey	1017.2	-1	NNW	5	c/s	42	55	8	1500	CuNb	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 9h. G.M.T. %
	24 Hours ended 0900 G.M.T. 5th								Yesterday.		To-day.
Kew	b(m)	b.bc	b	•	•	29	-	-	5.5	•	•
Croydon (24 hours ended 0700)	bm	bjps	bc.bmx	•	•	29	-	-	5.1	•	•
Greenwich (Royal Obsy.)	b.	b	bc.bx	36	32	25	-	-	4.0	63	72
City (Bunhill Row)	•	•	•	•	•	•	•	•	3.9	•	•
Westminster (St. James' Pk.)	•	•	•	37	33	26	-	-	4.5	92	100
Regents Pk. (Botanical Gdns.)	•	•	•	•	•	•	•	•	?	•	-
Camden Sq. (Brit. Rainfall)	b	b	•	36	31	27	-	-	•	82	74
Kensington Palace	b	b	•	36	32	28	-	-	•	82 (82)	95
Hampstead Observatory	•	•	•	39	30	24	-	-	?	•	100

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.
0.6	17h.3m	less than 0.3	5h.4m

Solar Radiation. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total .... joules

Average Rate .... Milliwatts.

Maximum Rate .... Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from 4th 17 h. 0 m. to 5th 7 h. 0 m.

Stars.	Exposure h. m.	Record h. m.	Record %
Polaris	14.0	11.30	82
δ Ursae Minoris	14.0	11.4	79

Radio Disturbances (Atmospherics) at Croydon.‡

Time.	Type.	No. per 4 sec.	Stren.	Direc.
7h	F.C₂	5	-	360
13h	C₁C₁	7	-	30
18h	C₁C₁	8	-	70
21h	F.C₁	7	-	50

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom.

5th & 6th January 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8.5 / 8.5	11.59 / 11.59	3.51 / 3.52
Greenwich	8.7 / 8.6	12.5 / 12.6	4.3 / 4.5
Wick	9.2 / 9.1	12.17 / 12.18	3.31 / 3.34
Valencia	8.50 / 8.50	12.46 / 12.47	4.42 / 4.43

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e. rain and snow together.
s snow. 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.
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.

Sea Disturbance.

0=no swell, 1=mod. swell, 2=heavy swell — Calm or slight sea.
3=no swell, 4=mod. swell, 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 Introduction. ‡ Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

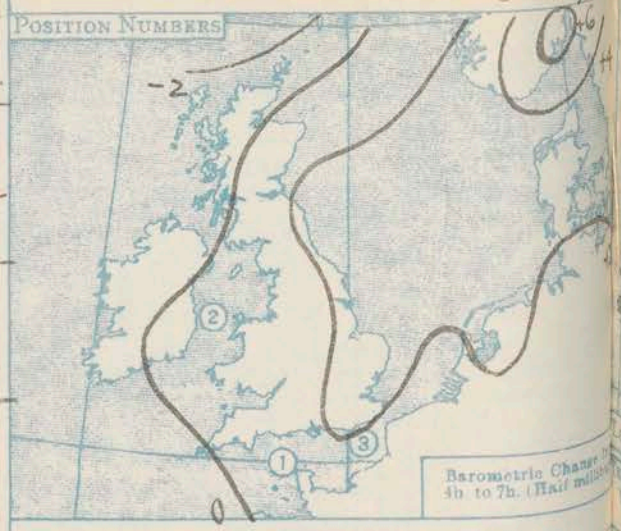
M.O. Form 2370.

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. Hours.
Lerwick	S or S	S or S	S or S	oo	37	32	•	5	2	<0800	<2100	•
Stornoway	p	p	north	p	36	33	•	2	1	<0800	–	0·6
Wick	cshpq	cisoq	c	oo	36	33	•	0·5	0·1	<0800	<2100	•
Castlebay	shpc	cshpo	o	op o	40	36	•	1	0·4	–	–	0·2
Nairn	S or S		c	c	34	31	•	0·4	–	<0800	–	0·0
Aberdeen	cqpso	bcqso	cso	p.o	35	33	30	1	0·3	<0800	<2100	1·7
Malin Head	cqpth	cKpth	oq/ph	cq/ph	44	41	•	0·3	trace	13·30	<2100	0·9
Renfrew	bbc	bbcm	bim	o12	39	31	24	trace	trace	–	–	4·2
Edinburgh (Inchkeith)	bor bc	bor bc	bor bc	bor bc	36	33	29	–	–	–	–	•
Eskdalemuir	bcpso	bor bc	bor bc		33	27	24	0·2	–	7250	–	2·8
Tynemouth	impso	tumsq	oimq	oimq	36	33	•	0·1	–	<0800	–	•
Blacksod Point ...							•					•
Donaghadee	bcqph	bcqph	coq	coq	43	38	•	4	–	<0800	–	•
Birr Castle	c	co	c.o	o	40	35	32	–	–	–	–	0·2
Baldonnell	c	coq	[illegible]	oo	38	34	32	trace	trace	09.00	<2100	0·9
Holyhead	shop	op	c.b.h.bc	c	42	39	38	4	–	09.00	–	0·4
Liverpool (Bidston) ...	bor bc	bor bc	bor bc		40	34	28	–	–	–	–	2·2
Chester (Shotwick) ...	cbcq	cpscb	b	b	40	33	28	0·1	–	12·30	–	•
Spurn Head	S or S	S or S	S or S	S or S	42	33	•	–	–	–	–	0·4
Nottingham	bor bc	bor bc	bor bc		37	33	29	–	–	–	–	1·9
Cranwell	bor bc	bor bc	bor bc	bor bc	36	31	29	–	–	–	–	5·3
Gorleston	cqpsh	cqpsh	oq/sh	oq/sh	36	35	34	4	6	<0800	<2100	0·0
Pulham	S or S	S or S	S or S		36	30	27	?	3	<0800	?	0·0
Felixstowe	S or S	p	S or S		34	31	30	0·2	2	<0800	?	1·8
Valencia (Cahirciveen)	bp.c	cop.b	oop.	c.op	45	42	38	2	1	09.00	<2100	1·0
Roches Point	bor bc	c	bor bc		42	39	•	–	–	–	–	•
Pembroke (St. Ann's H.)	bor bc	bor bc	oi bor	oi bor	42	35	•	–	3	–	<2100	3·0
Ross-on-Wye	bcqcb	spcqb	bc.b	b	38	30	21	0·5	–	09.00	–	2·3
Benson	bor bc	bor bc	bor bc		36	30	22	–	–	–	–	•
S. Farnborough ...	form	form	bor bc		37	30	24	–	–	–	–	6·3
London (Kew Obsy.) ...	bpq	b.bc	b	b	37	33	29	–	–	–	–	5·5
Croydon	bim	[illegible]	bc.bim	bimx	35	31	29	–	–	–	–	5·1
Clacton-on-Sea ...	bc/ps	bcqps	bc.c.bc	bc.c.os	36	30	28	trace	3	12·30	0230	3·6
Shoeburyness	bor bc	bor bc	bor bc		37	32	29	–	–	–	–	5·4
Grain	bor bc	bor bc	bor bc		37	32	29	–	–	–	–	4·4
Lympne	bqim	bor bc	bor bc	S or S	35	31	27	–	0·1	–	0430	6·3
Scilly (St. Mary's) ...	p	oq	p	c	46	31	•	0·3	0·2	<0800	<2100	1·8
Falmouth (Pendennis)	bcpq	bcpq	bc.pq	bc c	42	36	•	1	2	<0800	2400	4·3
Plymouth (Cattewater)	S or S	p	bor bc		41	32	22	4	0·5	<0800	–	2·8
Portland Bill	bor bc	bor bc	bor bc	bor bc	42	?34	•	–	–	–	–	•
Southampton (Calshot)	c	c	bor bc	bor bc	39	32	29	–	–	–	–	2·7
Dungeness	bor bc	bor bc	bor bc	S or S	37	32	•	–	trace	–	0630	•
Jersey	boiso	ociso	north	bcib	42	37	•	0·3	trace	09.00	<2100	0·5

ISALLOBARS.

5th January



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
2	4th 1000	Cambria	NNW	7	bcq	39	51
3	5th 0400	Arundel	NNW	6	co-	34	50

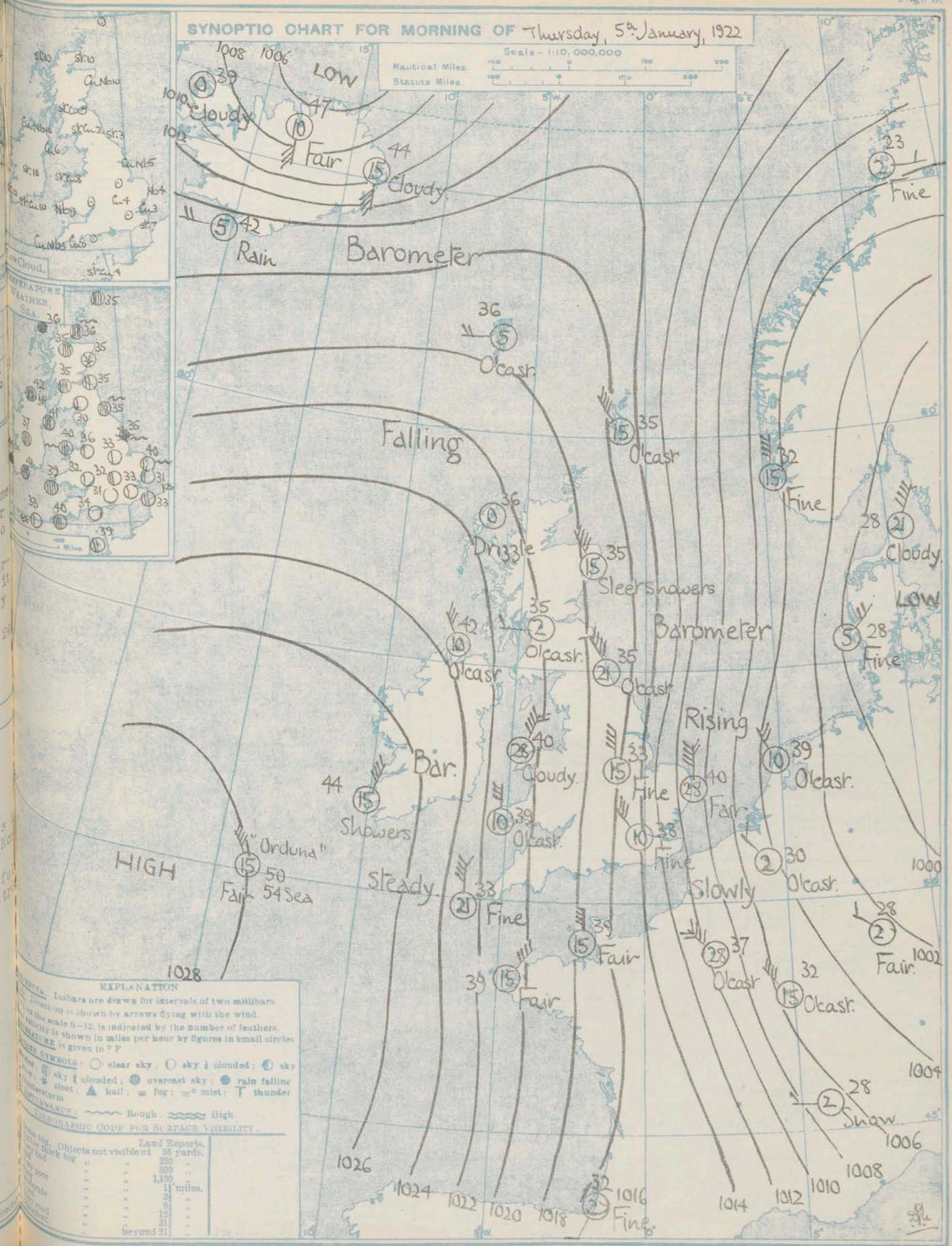
GENERAL INFERENCE.

A depression which has formed over Iceland is growing deeper and the wind will soon back to W or S.W. along the Atlantic Seaboard with a rise of temperature. Over England however it is probable that the Northerly winds and cold weather will persist for at least another 24 hours.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Thursday, 5th January, 1922.	Farther Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind Northerly, fresh or strong, moderating; mainly fair; visibility fair to good; cold.	Becoming Milder with Westerly winds in the West and North. Outlook doubtful for other districts.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Wind Northerly, light or moderate; mainly fair; visibility fair to good; cold.	
10. N.E. England	As for 1 - 3	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind dropping light, freshening later from W. or S.W.; cloudy or dull, probably some rain; visibility indifferent to fair; milder.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind light Northerly, backing West later; cloudy, some showers; visibility fair; cold, then milder.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 1000 G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page



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

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION. Thursday 5th January 1922. No. 5.

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	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1014·1	+2	NNW	4	ops₀	36	75	6	4000	CuNb	5	a.St	10	•
Stornoway	1024·5	0	N	4	s,s₀	•	•	•	•	•	•	•	•	•
Wick	1018·4	0	NW	8	c	33	97	8	2500	CuNb	7	–	7	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1024·2	0	NNW	4	opq₀	41	92	7	4000	CuNb	10	–	10	•
Renfrew														
Edinburgh (Inchkeith)	1018·8	+2	NW	2	b	34	97	8	–	–	0	–	0	•
Eskdalemuir														
Tynemouth	1015·3	+2	NNW	4	c	35	85	6	4000	StCu	7	–	7	•
Blacksod Point														
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Baldonnell	1024·6	+1	NW'W	3	of	35	92	6 (red)	1500	StCu	10	–	10	•
Holyhead	1020·8	0	N	6	cr	[illegible]	[illegible]	7	1500	StCu	8	–	8	•
Liverpool (Bidston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1003·5	-1	NW	8	oprs	37	97	7	4000	CuNb	9	–	9	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1013·4	+1	NW'N	6	b	32	75	8	–	–	0	–	0	•
Gorleston	1005·5	-1	N	6	b	35	97	6	–	–	0	–	0	•
Pulham														
Felixstowe														
Valencia (Cahirciveen)	1026·1	-1	N	[illegible]	bcpr	45	97	6	•	CuNb	5	–	5	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1021·1	0	N	4	bc	37	85	8	2500	Nb	6	–	6	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	•	•	•	•	•	33	•	•	•	•	•	•	•	•
Croydon	1013·7	-1	NW'N	4	b	32	?	6	–	–	0	–	0	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1009·0	-1	NW	7	b	32	85	7	4000	StCu	2	–	2	•
Scilly (St. Mary's)	1022·0	0	NW	7	bcpq	45	97	8	4000	CuNb	5	–	5	•
Falmouth (Pendennis)	1021·0	+1	NNE	5	bcpq	37	75	7	2500	CuNb	4	–	4	•
Plymouth (Cattewater)														
Portland Bill	1018·6	+2	N	6	b	34	85	7	–	–	0	–	0	•
Southampton (Calshot)	1015·1	-1	NNW	6	b	32	65	8	–	–	0	–	0	•
Dungeness	1008·7	-3	N	6	b	35	92	8	–	–	0	–	0	•
Jersey 7h / Guernsey 1h	1016·5	0	N	5	bc	39	65	7	4000	CuNb	5	–	5	•

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	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1015·7	-2	NNW	4	or	35	75	6	–	–	0	a.St	10	3
Stornoway	1021·9	-1	–	0	od₀	36	85	5	450	St	10	–	10	2
Wick	1018·5	0	NNW	5	of	36	92	8	800	St	10	–	10	6
Castlebay	1023·4	0	NW	2	o	41	85	8	2500	St	10	–	10	3
Nairn	1020·7	•	NW	2	o	35	85	8	1500	St	10	–	10	5
Aberdeen	1017·7	+1	NW'N	4	ops₀	35	85	8	4000	CuNb	10	–	10	0
Malin Head	1023·6	0	NNW	3	ojp	42	92	7	4000	CuNb	10	–	10	1
Renfrew	1021·4	0	W	1	o	35	75	6	4000	StCu	9	–	9	•
Edinburgh (Inchkeith)	1019·3	+2	NW	3	bcr	35	85	8	[illegible]	StCu	4	–	4	2
Eskdalemuir	1022·2	0	NNW	4	br	30	65	8	4000	StCu	2	–	2	•
Tynemouth	1016·7	+2	NNW	5	bc	35	85	7	2500	St	3	CiCu	6	6
Blacksod Point	1021·1	0	NNE	4	bc	41	65	8	4000	Cu	6	–	6	5
Donaghadee	1025·2	•	NW	2	of	37	97	4	225	St	10	–	10	•
Birr Castle	1024·4	0	–	0	o	35	75	6	1500	StCu	10	–	10	•
Baldonnell	1021·2	+1	NNE	6	c	40	97	7	1500	StCu	8	–	8	4
Liverpool (Bidston)	1020·1	+1	NNW	5	b	36	75	8	1500	St	2	–	2	•
Chester (Shotwick)	1015·4	+1	NW	6	b	35	75	8	4000	StCu	1	Cu	2	
Spurn Head	1011·0	+3	NW	7	rpq	35	97	[illegible]	4000	CuNb	5	–	5	•
Nottingham	1016·2	•	N	4	b	33	75	[illegible]	–	–	0	a.St	1	
Cranwell	1015·2	+2	NW'N	6	b	32	75	8	4000	St	1	–	1	6
Gorleston	1008·1	+3	N	6	bcr	40	65	6	5750	Nb	4	–	4	•
Pulham	1010·3	+1	NW'N	5	c/s	33	97	7	2500	StCu	0	a.Cu	8	5
Felixstowe	1011·1	+1	N'W	5	bc/s	32	85	7	450	St	4	–	4	3
Valencia (Cahirciveen)	1027·1	0	N'E	4	opc₀	44	85	7	1500	St	10	–	10	0
Roches Point	1026·7	0	NNW	3	o	41	85	8	2500	StCu	10	–	10	4
Pembroke (St. Ann's H.)	1021·6	0	N	3	o,s	39	75	8	2500	Nb	9	–	9	•
Ross-on-Wye	1018·5	+1	NW	2	b	32	65	8	–	–	0	Ci	1	
Benson	1014·0	+2	NW	4	bc	32	65	8	–	Cu	4	–	4	
S. Farnborough	1015·4	+1	NW'N	3	b	31	65	7	–	–	0	–	0	
London (Kew Obsy.)	1015·0	+3	NW	3	b	33	75	7 (red)	–	–	0	a.St	1	
Croydon	1015·1	+2	NW'W	3	bc	32	65	6	–	–	0	Ci.St	4	
Clacton-on-Sea	1010·2	+2	NNW	5	bps₀	32	85	7	4000	Cu	3	–	3	
Shoeburyness	1011·7	+2	NNW	7	b	36	65	6	5750	Cu	1	a.Cu	2	0
Grain	1012·3	+1	NW	6	c-	35	75	8	2500	StCu	7	–	7	
Lympne	1010·2	+1	NNW	7	c+	33	92	7	1500	St	7	–	7	
Scilly (St. Mary's)	1022·3	0	N	5	b	33	97	8	4000	CuNb	3	–	3	
Falmouth (Pendennis)	1021·3	0	NNE	4	c+	46	65	7	2500	Cu	8	–	8	
Plymouth (Cattewater)	1019·8	0	NNE	3	b	34	75	8	–	–	0	–	0	
Portland Bill	1018·5	0	NNW	6	b	34	85	7	–	–	0	–	0	
Southampton (Calshot)	1016·3	+2	NNW	5	b	34	75	7	–	–	0	–	5	
Dungeness	1010·4	+1	N	5	bcr	32	91	8	–	–	0	a.Cu	4	
Jersey 7h / Guernsey 1h	1017·7	0	N	4	bc/s	39	65	8	4000	StCu	4	–	4	

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

Stations	Weather Fore-noon.	Weather After-noon.	Temperature Max. Day °F.	Temperature Min. Night °F.	Rainfall† Night 17h.-9h. mm.	Rainfall† Day 9h.-17h. mm.	Sunshine Sunrise to Sunset hr.	Sunshine Sunrise to Sunset hr.
Banff	ocr/p	otpq	38	31	[illegible]	[illegible]	1.8	
Montrose	os	os	[illegible]	29	–	–	2.0	
Llandudno	ccbq	rq	41	34	•	–	1.4	
Colwyn Bay	bc	[illegible]	41	35	–	–	1.3	
Rhyl	c bc	bcc	43	35	0.2	–	1.6	
Southport	bc b	bbccb	38	35	–	–	3.8	
Blackpool	c	bc	39	35	–	–	4.1	
Harrogate	b	b	34	29	–	–	6.0	
Skegness	gbcsp	ocspo	38	34	–	–	5.8	
Aberystwyth	rcc	ror	42	37	1	0.3	1.5	
Bath	bbc,c	bbc,c	40	33	0.3	0.3	2.7	
Leamington Spa	c	c	36	31	0.3	•	2.5	
Lowestoft	cpsh,c	copbs	35	31	10	4	0.2	
Felixstowe	os	cs	32	29	–	–	2.2	
Southend	bcbq	bbcq	37	32	–	–	4.0	

Stations	Weather Fore-noon.	Weather After-noon.	Temperature Max. Day °F.	Temperature Min. Night °F.	Rainfall† Night 17h.-9h. mm.	Rainfall† Day 9h.-17h. mm.	Sunshine Sunrise to Sunset hr.	Sunshine Sunrise to Sunset hr.
Paignton	bcch	scpq	42	30	1	2	2.9	
Ilfracombe	bcpq	cbr	42	36	3	1	7.7	
Bude	gqprh	gqprh	44	35	3	1	1.4	
Penzance	cbcq	bcc	45	41	3	–	3.5	
Falmouth Observatory	–	–	[illegible]	38	2	0.3	4.7	
Torquay	b	rsrq	43	35	1	2	3.4	
Weymouth	b bc	bcd	41	33	0.2	–	4.0	
Bournemouth	bc	bc	40	32	0.3	–	3.7	
Portsmouth (S'thsea)	b	b	38	34	1	–	5.1	
Worthing	b	b	37	33	–	•	6.8	
Brighton	b	b	38	34	–	–	6.5	
Eastbourne	b	b	37	33	–	–	5.9	
Hastings	b	b	36	33	–	–	5.6	
Folkestone	o	o	40	30	–	–	0.0	
Tunbridge Wells	bc	bc	35	31	–	–	0.2	
Ramsgate	bc		35	30	–	–	3.0	
Margate	c	c	37	28	–	–	0.1	
Deal	b.bc	bc,c	37	32	–	–	4.4	

* 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.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.21,960 FRIDAY, 6th JANUARY.....1922. Page 1.

STATIONS	Barom. at M.S.L. m.b. (0700 G.M.T. 6th)	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility§ 0-9	Height of Low Cloud Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9	Barom. at M.S.L. m.b. (1800 G.M.T. 5th)	Change in 3 Hours‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility§ 0-9	Height of Low Cloud Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1015.2	-2	NNW	3	o	35	85	7	5750	StCu	10	–	10	*	1019.5	-1	N	1	o	35	85	7	–	–	0	A.St	10	1
Stornoway	1018.9	-3	NNW	2	od₀	37	97	5	450	St	10	–	10	*	1017.4	-4	N	2	or r	43	97	5	450	St	10	–	10	1
Wick	1016.8	-3	NW	2	ors₀	36	92	8	1500	St	9	A.St	10	*	1014.2	-2	NW	2	mmo	35	97	6	–	–	0	–	0	1
Castlebay	1021.3	-2	W	2	odd	42	97	4	700	Nb	10	–	10	*	1017.?	-2	NW	5	o/r	46	92	7	1500	St	10	–	10	4
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1016.3	[illegible]	–	0	od₀	35	97	8	2500	Nb	9	–	9	*
Aberdeen	1017.3	-2	NNW	4	ops₀	35	92	7	4000	Nb	10	–	10	*	1015.4	-2	NNW	2	o/s	36	75	6	4000	StCu	10	–	10	[illegible]
Malin Head	1022.5	-2	NW	2	oc	46	97	8	5750	Nb	10	–	10	*	1019.5	-3	W	2	o/r	47	97	7	5750	StCu	10	–	10	1
Renfrew	1020.2	-2	W	2	o	38	75	6	7250	StCu	8	Ci.Cu	9	*	1015.1	-2	WSW	1	o	38	92	6	4000	StCu	10	–	10	*
Edinburgh (Inchkeith)	1018.8	+1	NW	3	o+	37	65	8	–	StCu	3	A.St	10	*	1016.4	-2	WNW	3	o	39	75	7	–	–	0	–	0	3
Eskdalemuir	1019.2	-2	NNW	4	o	34	65	9	–	–	0	A.St	10	*	1017.6	-2	NWW	3	o	35	75	7	–	–	0	A.St	10	*
Tynemouth	1017.?	0	NNW	4	c	37	75	6	2500	Sc	7	–	7	*	1016.3	+1	NNW	3	o	35	85	6	–	–	0	A.St	10	4
Blacksod Point														*	?	-?	N W	5	o/r	46	92	6	450	Nb	10	–	10	4
Donaghadee	1021.8	0	NNW	3	o+	42	75	8	2500	St	10	–	10	*	1019.2	–	NNW	1	o	41	85	7	5750	StCu	10	–	10	3
Birr Castle	1025.3	*	NW	1	c-	42	85	6	4000	StCu	5	A.Cu	5	*	1022.2	*	N	1	o+	43	97	4	450	St	10	–	10	*
Baldonnell	1024.2	-2	WNW	3	o+	39	85	8	3500	StCu	7	A.St	9	*	1022.5	-1	SWS	3	og	40	92	6	1500	St	10	–	10	*
Holyhead	1021.3	-1	N	5	o+	42	75	9	2500	StCu	5	Cu	9	*	1019.5	-3	NWN	6	o/r	43	92	7	1500	Nb	10	–	10	5
Liverpool (Bidston)	1019.?	+1	NNW	3	c+	38	65	8	2500	StCu	8	–	8	*	1018.0	-1	NNW	4	o+	39	75	8	2500	St	10	–	10	5
Chester (Shotwick)	1018.8	0	NNW	4	o+	39	65	9	4000	StCu	1	A.Cu	10	*	1017.5	-1	NW	3	o	38	75	7	4000	StCu	10	–	10	*
Spurn Head	1012.5	+1	NW	6	c	36	97	6	1500	Sc	8	–	8	*	1012.8	0	NW	6	c	35	97	6	1500	St	8	–	8	6
Nottingham	1018.8	*	NNW	4	o+	38	65	4	–	–	0	A.St	9	*	1016.2	*	NNW	3	o+	36	75	4	–	–	0	A.St	10	*
Cranwell	1016.1	+1	NNW	6	o	36	75	8	–	–	0	A.St	9	*	1016.4	0	NNW	4	o-	33	75	7	4000	Cu	3	A.Cu	9	*
Gorleston	1010.3	+2	N	6	oh(r)	41	85	6	4000	CuNb	10	–	10	*	1011.6	0	N'W	5	oh(r)	40	85	6	4000	Nb	8	Ci.St	10	6
Pulham														*	1012.6	0	NW	6	o/s	36	92	6	–	–	0	A.St	10	*
Felixstowe	1013.?	+1	NNW	5	o/s	34	97	6	4??	St	10	–	10	*	1013.8	+1	NNW	4	bc/s	35	97	7	450	St	6	–	6	2
Valencia (Cahirciveen)	1027.7	-1	N	2	c	47	75	8	1500	StCu	8	–	7	*	1026.3	-1	NNW	2	o+	48	75	8	1500	StCu	10	–	10	4
Roches Point	1026.?	-1	NNW	3	c	43	85	8	4000	StCu	4	Cu	7	*	1025.1	-1	NNW	1	o	45	85	8	–	–	0	A.St	10	0
Pembroke (St. Ann's H.)	1022.7	0	NNW	3	oj	39	85	9	2500	Nb	10	–	10	*	1021.4	-1	NNW	3	o/r	42	85	8	2500	Nb	10	–	10	2
Ross-on-Wye	1019.?	-1	NNW	3	b+	37	65	8	–	–	0	A.Cu	3	*	1018.7	0	–	0	c-	35	75	8	4000	StCu	1	A.C.	8	*
Benson	1017.4	0	NNW	3	c+	36	65	6	–	Cu	8	–	8	*	1017.4	+1	NNW	3	c	33	65	6	–	–	0	A.Cu	7	*
S. Farnborough	1017.3	+1	NWN	4	o	37	75	7	–	–	0	Ci.St	10	*	1017.0	+1	WNW	3	m c	33	75	6	–	–	0	A.Cu	8	*
London (Kew Obsy.)	1015.2	-1	NNW	4	o+	37	65	6	–	–	0	Ci.St	9	*	1015.8	+1	NNW	3	c	36	65	6	–	–	0	Ci.St	8	*
Croydon	1016.0	0	NWN	4	o+	36	65	5	2500	StCu	2	Ci.St	9	*	1016.1	0	NW	5	o	35	75	5	–	–	0	A.Cu	9	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1012.7	+1	NW	4	cs-	35	85	6	1500	StCu	8	–	8	0
Shoeburyness	1013.1	0	NW	6	bc+	38	65	6	5750	Cu	1	Ci.St	5	*	1013.7	+1	NW	5	bc	36	65	6	–	–	0	A.Cu	5	*
Grain	1013.7	0	NNW	6	o+	39	75	7	1500	St	3	Ci.St	9	*	1014.1	0	NNW	5	o	36	75	7	7250	StCu	5	A.St	9	3
Lympne	1012.2	+2	NW	6	c	37	75	8	1500	St	5	A.St	7	*	1013.1	+1	N'W	6	c	34	75	7	1500	St	4	A.St	7	*
Scilly (St. Mary's)	1024.?	0	NNW	5	o+	44	97	8	4000	StCu	10	–	10	*	1022.7	0	N	5	o	45	97	8	4000	StCu	10	–	10	6
Falmouth (Pendennis)	1021.?	-2	NNE	4	c+	42	65	7	2500	Cu	8	–	8	*	1022.5	+2	NNE	3	c	39	85	7	2500	Cu	7	–	7	0
Plymouth (Cattewater)	1021.3	0	NE	2	c+	39	75	8	–	–	0	A.Cu	8	*	1020.6	0	NE	1	o+	38	85	8	4000	St	10	–	10	0
Portland Bill	1013.?	+1	NNW	6	bc+	38	85	7	–	–	0	Ci.Cu	4	*	1018.9	0	NNW	6	o+	38	85	7	–	–	0	A.St	10	5
Southampton (Calshot)	1017.?	0	NWN	6	o+	37	65	7	–	–	0	Ci.St	9	*	1017.2	-1	NWN	5	o	37	75	7	–	–	0	A.Cu	9	3
Dungeness	1011.8	+2	N	5	bc+	39	75	8	–	–	0	Ci.Cu	6	*	1012.3	+2	N	5	c-	35	85	8	800	St	7	–	7	5
Jersey	1018.7	0	N	4	c+	42	65	8	4000	StCu	8	–	8	*	1018.9	0	N	4	bc	41	65	8	4000	StCu	6	–	6	3

Observations at 0700 G.M.T. 6th; Observations at 1800 G.M.T. 5th.

LONDON OBSERVATIONS	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. °F.	Temp. Min. °F.	Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)
	24 Hours ended 0900 G.M.T. 6th										
Kew	bcg o2	c2o2c	c b6m	*	*	26	–	–	3.1	*	*
Croydon (24 hours ended 0700)	b-ohm2	o12 2	o c bo im	*	*	23	–	–	0.5	*	*
Greenwich (Royal Obsy.)	b bc2	bc2	om	36	33	28	–	–	0.7	67	80
City (Bunhill Row)	*	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James' Pk.)	*	*	*	38	31	25	–	–	1.1	74	87
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*	*	*	*
Camden Sq. (Brit. Rainfall)	b	bc	*	38	30	26	–	–	*	74	89
Kensington Palace	o	o	*	38	30	25	–	–	*	67 (18h)	85
Hampstead Observatory	*	*	*	35	29	20	–	–	3.1	*	100

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

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

South Kensington Max.	Time	Min.	Time
0.6 / 0.6	4th 7h / 5th 9h	0.3	5th 1-4h

Kew Observatory Max.	Time	Min.	Time
0.6	5th 14h	0.3	5th 0-2h

SOLAR RADIATION. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total .... Joules

Average Rate .... Milliwatts.

Maximum Rate .... Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 5th 17 h. 0 m. to 6th 7 h. 9 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	14.0	6.18	45
δ Ursae Minoris	14.0	2.23	18

RADIO DISTURBANCES (Atmospherics) AT CROYDON.*

Time.	Type.	No. per ¼ sec.	Stren.	Direc.
1h.	C	7	–	150
4h.	–	–	–	–
7h.	–	–	–	–
10h.	–	–	–	–

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

6th & 7th January 1922.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8.5 / 8.4	11.59 / 11.59	3.52 / 3.54
Greenwich	8.6 / 8.6	12.6 / 12.6	4.5 / 4.6
Wick	9.1 / 9.0	12.18 / 12.18	3.34 / 3.36
Valencia	8.50 / 8.49	12.47 / 12.47	4.43 / 4.44

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow. 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 :—bo/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.

SEA DISTURBANCE.

0=no swell, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 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

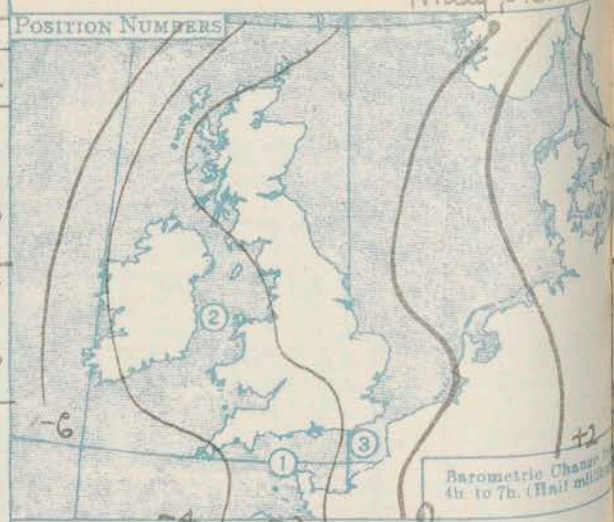
For explanation, see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 5th	13h.-18h. 5th	18h. 5th to 18h. 6th	18h.-7h. 6th	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	oo	oo	b or bc	b or bc	36	33	•	–	–	–	–	•
Stornoway	p	r or d	r or d	p	44	42	•	2	2	–	–	0·0
Wick	o i s r₀	o f f d	o m m d₀	o m m d d	37	34	•	1	2	<0800	<2100	•
Castlebay	o d d	d d o	o. b c	b c d d	46	46	•	1	0·4	–	–	0·0
Nairn	r or d		r or d		36	34	•	1	3	–	<2100	0.0
Aberdeen	o s p₀	o s p₀	o p r s₀		36	35	33	0.3	1	<0800	<2100	0·0
Malin Head	i r₀	i R	c	o o	47	45	•	1	0·6	<0800	0230	0·0
Renfrew	o 13	o i m	o i r₀		39	36	35	trace	1	–	<2100	0·0
Edinburgh (Inchkeith)	c	o o	f o r m	f o r m	38	37	35	–	trace	–	–	•
Eskdalemuir	b o	o o	o i r₀		35	33	32	–	0·2	–	<2100	0·0
Tynemouth	c i m	o o i m	o o i m	o o i m	37	35	•	–	–	–	–	•
Blacksod Point ...		p		p			•	1	1	1230	–	•
Donaghadee	c	o	c m	o i r₀	43	40	•	–	2	–	<2100	•
Birr Castle	c	c o	c o	c o	46	42	41	–	–	–	–	0·8
Baldonnell	c	r o r d	o z d₀ i m	c d₀ i m	40	39	39	trace	0·1	1730	<2100	0·0
Holyhead	o c	o m r r	o r₀ r₀	r o r d	43	42	42	1	2	1530	–	0·6
Liverpool (Bidston) ...	b or bc	c	f o r m		43	39	30	–	2	–	0230	0.3
Chester (Shotwick) ...	b c c o	o o	o f f	o i d i d	40	38	36	–	1	–	2400	•
Spurn Head	c	c	s or r s	s or r s	38	34	•	–	–	–	–	0·0
Nottingham	c m	o o i m	c m		38	35	31	–	–	–	–	0·0
Cranwell	c	o o	c i m	c	36	31	28	–	–	–	–	2·8
Gorleston	o q p r h	o o r p	c q p r	b c r h p	41	34	33	2	3	<0800	<2100	0.7
Pulham		s o r r s	r o r d		36	32	29	?	?	<0800	<2100	0·2
Felixstowe	p	p	b or bc		35	31	29	0.6	–	<0800	–	0·5
Valencia (Cahirciveen)	o p c	c o	c	o p. b c	48	47	43	0.2	0·5	<0800	<2100	2·4
Roches Point	c	o o	o o		45	44	•	–	–	–	–	•
Pembroke (St. Ann's H.)	o i r₀	o i r₀	o i r₀	o i r₀	42	41	•	0.6	0·3	<0800	2200	0·0
Ross-on-Wye	b b c b	b c o c o	b c o r ~~r d d o~~		37	34	26	–	0·5	–	0130	4.3
Benson	b or bc	c	c	o o d₀	37	31	24	–	0·1	–	0630	•
S. Farnborough ...	c	f o r m	o o		38	31	27	–	–	–	–	4·5
London (Kew Obsy.) ...	b c p o z	c z o z o	c	c b c m	37	~~33~~ 32	~~28~~ 26	–	–	–	–	3·1
Croydon	b c m z	o i z z	o. c b c z m	b c i m m x	36	30	23	–	–	–	–	0·5
Clacton-on-Sea ...	b c c p s		c. b c		35	30	27	1	–	<0800	–	2.3
Shoeburyness	b or bc	b or bc	c		39	?29	28	–	–	–	–	4·0
Grain	c	o o	o o		40	32	29	–	–	–	–	1·6
Lympne	b or bc	c s₀ c	b or bc	c b c. b c	37	~~33~~ 30	26	trace	–	1730	–	~~4·5~~ 1·5
Scilly (St. Mary's) ...	c	c	o o	p	45	44	•	–	0·2	–	0230	0.5
Falmouth (Pendennis)	c	c p	o m r	o m r	42	39	•	0.2	5	1730	<2100	1·2
Plymouth (Cattewater)	c	o o	r o r d		40	38	~~3~~ 5	–	1	–	0330	2·8
Portland Bill	b or bc	o o	c	r o r d	42	34	•	–	0·3	–	0330	•
Southampton (Calshot)	c	c	c	s or r s	39	32	31	–	0·1	–	0330	3·7
Dungeness	b or bc	c	b or bc	c i m x	40	29	•	–	–	–	–	•
Jersey	b c o	o c o	o o	o b o d d	43	40	•	–	1	–	0330	1·5

ISALLOBARS. Friday, 6th January



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea
2	5th 1900	Cambria	N'W	6	op	42	48
3	6th 0300	Brighton	NNW	6	bc-	39	47

GENERAL INFERENCE.

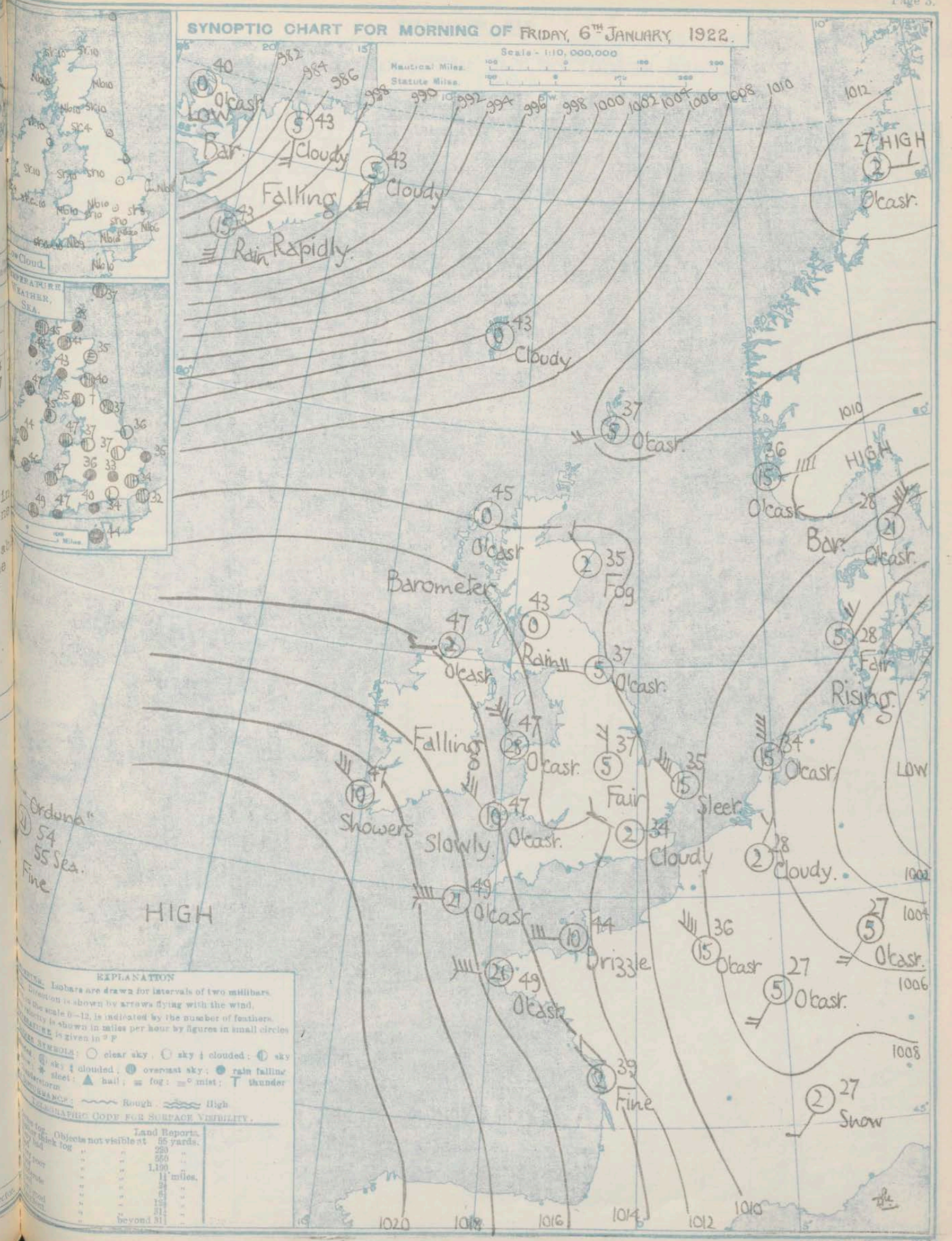
Pressure is falling again over Iceland and the anticyclone off our S.W. coasts is moving away Southward. It seems probable that milder conditions from the West will soon spread over the Kingdom generally.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Friday 6th January 1922.	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	Wind mainly N.W., light or moderate; dull some drizzle or sleet; visibility fair but local mist; becoming milder gradually.	None issued.
11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Wind W. backing S.W. and freshening; dull, rain at times; visibility fair but local mist; milder.	
14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind W. backing S.W., fresh or strong; dull, some rain; visibility fair; mild.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind Westerly, moderate or fresh; dull, rain at times; visibility fair; milder.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 1955 GMT. G. C. SIMPSON, F.R.S., Director.

For Code see opposite page

SYNOPTIC CHART FOR MORNING OF FRIDAY, 6TH JANUARY, 1922.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4. BRITISH SECTION. FRIDAY 6th JANUARY 1922. No. 6

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.	Temp. °F.	Humidity. %	Visibility.‡ 0-9	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1012.9	-2	-	0	b	34	85	6	-	-	0	-	0	*
Stornoway	1013.3	-3	NW	3	T_0	*	*	4	*	*	*	*	*	*
Wick	1010.8	-2	S	3	odd	40	97	5	450	SV	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1016.6	-3	W	2	bc-	46	92	7	4000	CuNb	4	-	4	*
Renfrew														*
Edinburgh (Inchkeith)	1012.7	-3	WSW	2	mo-	38	92	6	*	*	10	-	10	*
Eskdalemuir														*
Tynemouth	1011.8	-2	W	1	o	37	85	6	-	-	0	a.SV	10	*
Blacksod Point ...														*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1017.8	-5	WSW	3	odd	43	97	6	800	SV	10	-	10	*
Holyhead	1015.2	-3	NW'W	6	T_0T_0	*	*	6	1500	NB	10	-	10	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1010.6	-3	NW	6	b	37	92	7	1500	SV	1	-	1	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1013.8	-4	NW'N	4	bc-	35	75	6	2500	SV	5	-	5	*
Gorleston	1009.7	-2	NW	4	bc-	36	85	6	4000	CuNb	6	-	6	*
Pulham														*
Felixstowe														*
Valencia (Cahirciveen)	1022.3	-4	N	5	C_0T_0	47	97	5	-	-	9	a.SV	7	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1018.3	-2	NW	3	T_0T_0	45	92	8	2500	NB	10	-	10	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	1014.3	-3	NW'N	2	bc-	33	85	6	-	-	0	Ci	6	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1011.9	-2	N	5	b	31	85	7	-	-	0	-	0	*
Scilly (St. Mary's) ...	1020.4	-3	NW	5	o	48	97	8	4000	SVCu	10	-	10	*
Falmouth (Pendennis)	1020.7	0	NNE	3	T_0T_0	40	75	6	1500	NB	10	-	10	*
Plymouth (Cattewater)														*
Portland Bill	1016.4	-3	N'W	5	bct	37	85	7	1500	SVCu	5	-	5	*
Southampton (Calshot)	1015.2	-3	NW'N	4	c	36	85	8	-	-	0	a.SV	7	*
Dungeness	1011.3	-1	N	4	b	33	85	7	-	-	0	-	0	*
Jersey 7h. } ... ... Guernsey 1h. }	1015.4	-3	N	5	o	39	65	8	4000	SV	10	-	10	*

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.	Temp. °F.	Humidity. %	Visibility.‡ 0-9	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1010.9	-2	WSW	2	ot	37	92	6	-	-	0	a.SV	10	1
Stornoway	1009.6	-1	-	0	o/T	45	97	6	450	SV	10	-	10	2
Wick	1008.7	-2	WSW	2	odd	38	97	4	800	SV	10	-	10	1
Castlebay	1011.2	-2	NW	2	odd	48	97	5	800	NB	10	-	10	2
Nairn	1009.7	*	-	0	c/T	41	92	8	4000	CuNb	8	-	8	*
Aberdeen	1010.8	-1	NW'N	1	fot	35	97	2	-	NB	10	-	10	0
Malin Head	1013.7	-3	W	1	ot	47	97	6	2500	SV	10	-	10	1
Renfrew	1010.2	-2	-	0	T_0	43	97	6	1500	NB	10		10	*
Edinburgh (Inchkeith)	1010.1	-3	WSW	2	mmo	40	97	5	*	SV	10	-	10	2
Eskdalemuir	1011.2	-4	-	0	c-	35	97	7	1500	SV	4	a.SV	8	*
Tynemouth	1011.0	-2	W	2	o	37	92	6	-	-	0	a.SV	10	2
Blacksod Point ...	1006.4	-7	W'N	3	bcpr	46	92	5	9000	CuN	6	-	6	4
Donaghadee	1013.1	-3	WSW	2	bc-	45	92	6	-	-	0	a.SV	6	2
Birr Castle	1016.0	*	W	1	o	44	97	2	450	SV	10	-	10	*
Baldonnell	1015.1	-3	SW'W	3	odd	43	92	5	800	SV	10	-	10	*
Holyhead	1012.7	-2	NW	6	o	47	92	6	1500	SV	10	-	10	4
Liverpool (Bidston) ...	1011.3	-2	NW	3	fo-	40	97	1	4150	SV	10	-	10	1
Chester (Shotwick) ...	1010.4	-3	WNW	3	T_0T_0	42	97	3	450	NB	10	-	10	*
Spurn Head	1010.0	0	NNW	3	b	36	92	5	1500	SV	1	-	1	*
Nottingham	1011.4	*	N	2	bc-	37	92	4	-	-	0	Cu	5	2
Cranwell	1011.6	-2	NW	3	o	34	85	6	2500	SV	10	-	10	*
Gorleston	1009.4	-2	NW	4	CTS_0	35	92	7	4000	CuNb	8	-	8	1
Pulham	1009.4	-1	W	3	opS_0	32	97	6	2500	NB	10	-	10	*
Felixstowe	1011.0	-1	NNW	3	bc	32	97	7	2500	CuNb	1	a.SV	5	*
Valencia (Cahirciveen)	1018.8	-5	NW	3	bcpr	47	85	8	2500	SV	5	-	5	1
Roches Point	1018.9	-3	NW	3	o	46	92	8	2500	SVCu	10	-	10	0
Pembroke (St. Ann's H.)	1014.3	-2	NW	3	o/T	47	85	8	2500	NB	10	-	10	2
Ross-on-Wye	1011.9	-3	-	0	odd	36	97	3	800	SV	10	-	10	*
Benson...	1012.3	-1	-	0	odT	33	92	4	-	NB	10	-	10	*
S. Farnborough ...	1012.0	-2	NW	2	o	34	92	6	2500	St	10	-	10	*
London (Kew Obsy.) ...	1011.4	-2	WNW	1	bc-	34	85	5	4000	SV	3	a.SV	6	*
Croydon	1012.2	-1	W	2	ct	31	92	5	4000	SVCu	8	-	8	0
Clacton-on-Sea ...	1009.4	-2	NW	4	bc-	33	92	6	2500	SV	4	-	4	*
Shoeburyness	1010.3	-2	NW	4	o-	34	75	6	2500	SVCu	8	a.Cu	9	*
Grain	1010.5	-3	NW	3	o	34	75	6	4000	SVCu	9	a.SV	10	*
Lympne	1010.1	-2	NNW	5	bc-	33	85	7	2500	SVCu	3	a.SV	5	*
Scilly (St. Mary's) ...	1016.4	-3	W	5	o	49	97	8	4000	SVCu	10	-	10	5
Falmouth (Pendennis)	1015.4	-4	NNW	5	T_0T_0	47	85	6	1500	NB	9	-	9	1
Plymouth (Cattewater)	1013.7	-4	NNW	1	o/T	45	92	8	450	St	10	-	10	0
Portland Bill	1012.1	-4	NW	4	odd	40	85	6	450	St	10	-	10	2
Southampton (Calshot)	1012.5	-3	NW	3	T_0	37	97	6	1500	NB	10	-	10	0
Dungeness	1009.7	-2	N	4	bct	32	85	6	4000	NB	6	-	6	4
Jersey 7h. } ... ... Guernsey 1h. }	1012.6	-2	W	3	ooo	44	92	6	1500	NB	10	-	10	3

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 12h.-9h. G.M.T. mm.	Rainfall.† Day 9h.-17h. G.M.T. mm.	Sunshine. Sunrise to Sunset G.M.T. hr.	Sunshine. hr.
Banff	ohpro	odo	39	36	0.6	0.5	0.0	
Montrose	o	c	37	31	-	-	0.0	
Llandudno	c	co	41	33	-	-	1.2	
Colwyn Bay ...	bc	bc	41	37	-	-	0.9	
Rhyl...	cbco	oco	39	33	-	-	0.7	
Southport	c	o	39	34	-	-	0.0	
Blackpool	b	bbcc	35	30	-	-	1.8	
Harrogate	os	so	36	29	2	4	0.0	
Skegness	ror	coo	41	33	1	-	1.7	
Aberystwyth ...	b	bbcco	39	29	-	-	4.2	
Bath	bz	bccbc	35	30	-	-	3.9	
Leamington Spa ..	oprs	copr	40	32	6	4	0.8	
Lowestoft	cps	ops	35	30	-	7	1.0	
Felixstowe	b	bcc	40	32	-	-	3.5	

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 12h.-9h. G.M.T. mm.	Rainfall.† Day 9h.-17h. G.M.T. mm.	Sunshine. Sunrise to Sunset G.M.T. hr.
Paignton	bbc	cbc	41	29	3.1	-	5.8
Ilfracombe	bbc	co	42	37	1	-	2.5
Bude	xco	o	43	36	1	-	1.3
Penzance	opr	copr	41	37	10	6	0.0
Falmouth Observatory	bcoz	ozp	44	36	3	0.3	1.3
Torquay	b	b	40	30	2	-	5.3
Weymouth	bbc	bcc	41	30	0.1	-	4.3
Bournemouth ...	b	b	38	30	-	-	3.7
Portsmouth (S'thsea)							
Worthing	bbc	co	37	31	-	-	2.7
Brighton	b	bbccb	38	32	-	-	3.1
Eastbourne ...	b	bco	38	32	-	-	4.3
Hastings	bbc	bcco	38	33	-	-	1.7
Folkestone	ocbc	ocb	38	31	0.4	-	6.6
Tunbridge Wells ...	bc	obc	37	31	-	-	0.1
Ramsgate	-	-	36	31	2	-	2.0
Margate	c	o	39	31	0.9	-	0.4
Deal	ocbc	bcc	38	32	1	-	2.5

* 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.21,961 Saturday 7th January 1922. Page 1.

Observations at 1300 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	Height of Low Cloud Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea 0-9
Lerwick	1003.7	-4	SSW	4	o	41	85	7	–	–	0	a.SV	10	•
Stornoway	1006.7	-2	W	1	mo	47	97	4	450	SV	10	–	10	•
Wick	1006.5	-3	SSW	1	mo-	43	97	4	450	SV	10	–	10	•
Castlebay	1008.8	0	WNW	4	odd	47	97	5	400	Nb	10	–	10	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1009.[illegible]	-3	SW	2	o/r	39	97	5	1500	SV	10	–	10	•
Malin Head	1011.2	-3	W	3	o/r	47	97	6	1500	SV	10	–	10	•
Renfrew	1009.2	-2	–	0	ofg	42	92	4	1500	SV	9	a.SV	10	•
Edinburgh (Inchkeith)	1008.7	-2	WSW	1	mof	42	97	4	*	SV	10	–	10	•
Eskdalemuir	1010.2	-2	–	0	ffo	38	97	3	<150	SV	10	–	10	•
Tynemouth	1010.6	-1	W	1	ffo	40	92	3	–	–	0	a.SV	10	•
Blacksod Point	1014.[illegible]	-5	W	4	[illegible]	46	92	7	–	Cu	9	–	9	•
Donaghadee	1011.9	-3	WSW	1	o	47	92	6	–	–	[illegible]	a.SV	10	•
Birr Castle	1011.[illegible]	•	W	1	o-	46	97	7	4000	Nb	–	–	9	•
Baldonnell	1011.[illegible]	-2	SW'W	3	odd	44	97	6	450	Nb	10	–	10	•
Holyhead	1011.7	-2	WNW	4	o/r	46	97	7	1500	Nb	10	–	10	•
Liverpool (Bidston)	1010.7	-1	NW'N	1	odd	42	97	3	225	Nb	10	–	10	•
Chester (Shotwick)	1010.0	-2	S	1	odd	41	97	3	1500	Nb	10	–	10	•
Spurn Head	1010.2	0	NW	2	bc	41	92	5	1500	CuNb	5	–	5	•
Nottingham	1010.[illegible]	•	N	2	ot	40	85	3	800	SV	10	–	10	•
Cranwell	1011.[illegible]	-1	NW	3	o	39	85	5	4000	SVCu	4	a.Cu	10	•
Gorleston	1009.8	0	NE'E	4	cjp	41	85	7	4000	CuNb	8	–	8	•
Pulham	1010.[illegible]	0	N	2	o/s	35	97	6	1500	SV	10	–	10	•
Felixstowe	1011.5	+1	N	3	ot	37	92	7	7250	SVCu	8	a.SV	9	•
Valencia (Cahirciveen)	1017.0	-2	NW'W	4	c-	48	75	8	1500	SVCu	7	–	7	•
Roches Point	1016.[illegible]	-2	NW	4	o	47	75	8	2500	SVCu	10	–	10	•
Pembroke (St. Ann's H.)	1013.[illegible]	-1	WNW	3	o	47	85	9	2300	SV	10	–	10	•
Ross-on-Wye	1011.1	-1	ENE	1	mo-	40	97	6	450	SV	10	–	10	•
Benson	[illegible]	-2	–	0	o/r	38	92	4	–	St	10	–	10	•
S. Farnborough	1011.2	-2	NW	3	o	40	85	7	–	–	0	a.Cu	9	•
London (Kew Obsy.)	1010.[illegible]	-3	N	2	b/f	41	75	5	5750	Cu	1	–	1	•
Croydon	1011.5	-2	NW	2	b/f	38	85	4	4000	StCu	2	–	2	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1010.1	0	NNW	3	b	40	[illegible]	6	–	–	0	Ci	2	•
Grain	1012.4	-1	NNW	3	o	42	75	6	5750	SVCu	7	–	7	•
Lympne	1009.6	-2	NNW	4	bc+	38	85	6	2500	Cu	2	Ci.St	4	•
Scilly (St. Mary's)	1015.[illegible]	-2	NW	5	o/r	51	97	8	4000	SVCu	10	–	10	•
Falmouth (Pendennis)	1013.[illegible]	-3	NNE	3	o/r	47	85	7	4000	Cu	10	–	10	•
Plymouth (Cattewater)	1012.4	-2	NNW	2	o	47	92	7	2500	SVCu	10	–	10	•
Portland Bill	1011.8	-1	NE	3	odd	44	85	6	450	SV	10	–	10	•
Southampton (Calshot)	1011.7	-3	NNW	3	o/r	39	85	7	–	–	0	a.SV	10	•
Dungeness	1009.7	+1	NNE	3	b	41	75	6	–	–	0	–	0	•
Jersey	1011.3	0	E	2	o/r	44	92	6	1500	Nb	10	–	10	•

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	Height of Low Cloud Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea 0-9
Lerwick	1004.9	-3	SSW	4	od	42	97	6	4000	Nb	10	–	10	3
Stornoway	1003.9	-3	W	1	opr	44	92	5	450	St	10	–	10	0
Wick	1006.1	-2	W	4	o/r	47	97	4	300	Nb	10	–	10	4
Castlebay	1004.1	-3	SSW	1	odd	43	97	4	800	St	10	–	10	1
Nairn	1005.4	•	SW	1	c/r	43	97	8	1500	St	5	ASt	8	•
Aberdeen	1007.5	-2	SW	2	o/r	40	97	4	1500	Nb	10	–	10	0
Malin Head	1008.9	-2	SW	2	o/r	46	97	6	1500	SV	10	–	10	1
Renfrew	1007.7	-2	–	0	odd	45	97	4	800	St	10	–	10	•
Edinburgh (Inchkeith)	1007.3	-2	SE	1	fo+	42	97	0	<150	St	10	–	10	•
Eskdalemuir	1009.0	-1	–	0	odd	37	97	1	<150	Nb	10	–	10	•
Tynemouth	1010.1	-1	SW	2	o/f	39	97	4	4000	St	10	–	10	0
Blacksod Point	1010.0	-5	SSW	5	fo+	49	92	2	<150	Nb	10	–	10	4
Donaghadee	1011.1	0	W	1	o/r	46	92	7	4000	StCu	10	–	10	0
Birr Castle	1012.6	•	W	1	o	45	97	6	450	St	9	–	9	•
Baldonnell	1012.6	-1	SW'S	3	o	44	85	8	1500	St	10	–	10	•
Holyhead	1010.6	0	WNW	5	o/r	42	97	7	1500	Nb	10	–	10	4
Liverpool (Bidston)	1010.3	0	–	0	odd	42	97	2	<150	Nb	10	–	10	3
Chester (Shotwick)	1009.6	0	SSE	1	odd	41	97	3	1500	Nb	10	–	10	•
Spurn Head	1011.0	+1	NW	1	fo	40	92	2	4000	StCu	10	–	10	3
Nottingham	1011.4	•	W	2	o	37	92	2	800	St	10	–	10	•
Cranwell	1012.7	0	W	2	o	35	97	5	4000	St	7	A.St	10	•
Gorleston	1012.1	+2	ESE	4	c	39	85	7	4500	Cu	7	–	7	1
Pulham	1011.5	+2	–	0	o	34	97	6	4000	StCu	10	–	10	•
Felixstowe	1013.2	+1	N	6	o	35	97	7	4000	StCu	10	–	10	2
Valencia (Cahirciveen)	1014.8	-1	WNW	3	od₀	49	85	6	800	St	10	–	10	4
Roches Point	1014.5	-1	SW	1	o	47	85	8	2500	StCu	10	–	10	0
Pembroke (St. Ann's H.)	1013.0	0	WNW	3	o	46	85	9	2500	St	10	–	10	2
Ross-on-Wye	1012.1	0	–	0	odd	39	97	4	225	St	10	–	10	•
Benson	1012.4	+1	–	0	o	35	92	4	–	St	10	–	10	•
S. Farnborough	1012.3	+2	W	1	mmo	36	92	5	5750	St	10	–	10	•
London (Kew Obsy.)	1012.1	+3	–	0	mc	38	85	4	–	–	0	A.Cu	8	•
Croydon	1012.5	+2	–	0	ffo	36	85	3	4000	StCu	8	A.Cu	10	•
Clacton-on-Sea	1011.6	+2	NNW	2	mmo	37	85	5	7250	StCu	10	–	10	0
Shoeburyness	1010.7	+2	–	0	c+	34	75	6	–	–	0	A.Cu	8	•
Grain	1012.1	+3	–	0	o+	37	85	6	–	–	0	A.Cu	10	0
Lympne	1011.9	-2	N	3	c	35	92	6	2500	StCu	5	A.Cu	8	•
Scilly (St. Mary's)	1015.1	0	NNW	5	o	49	92	8	4000	StCu	10	–	10	6
Falmouth (Pendennis)	1013.6	0	–	0	o	47	85	7	4000	Cu	10	–	10	0
Plymouth (Cattewater)	1012.6	0	NNW	1	o	47	92	7	1500	St	10	–	10	0
Portland Bill	1011.8	0	E'N	2	odd	44	85	6	450	St	10	–	10	0
Southampton (Calshot)	1012.4	0	NNW	2	od₀	40	85	6	800	St	10	–	10	0
Dungeness	1011.1	+1	NNE	3	c+	35	92	6	–	–	0	A.Cu	8	3
Jersey	1011.9	0	E	2	o/r	44	92	6	1500	Nb	10	–	10	3

London Observations — 24 Hours ended 0900 G.M.T. 7th (Humidity: 15h. G.M.T. Yesterday; 9h. G.M.T. To-day)

London Observations	Weather Morning	Weather Afternoon	Weather Night	Temp. Max °F.	Temp. 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. %
Kew (24 hours ended 0700)	bmbz	bzozcm	ofomor	•	•	32	–	2	2.8	•	•
Croydon (24 hours ended 0700)	bcmf₀	bzcmf	ofor TSdk	•	•	31	–	[illegible]	0.2	•	•
Greenwich (Royal Obsy.)	o	o bcz	ots.o	40	33	29	–	2	0.5	78	92
City (Bunhill Row)	•	•	•	•	•	•	•	•	0.0	•	•
Westminster (St. James' Pk.)	•	•	•	42	35	32	–	3	0.9	82	91
Regents Pk. (Botanical Gdns.)	•	•	•	•	•	•	•	•	•	•	•
Camden Sq. (Brit. Rainfall)	bc	bc	•	41	34	30	–	3	•	81	95
Kensington Palace	o	o	•	41	34	33	–	3	•	96 (18h)	96
Hampstead Observatory	•	•	•	40	32	30	–	3	3.8	•	97

Atmospheric Pollution. Milligrams of Solid impurity per cubic metre. 24 Hrs. ended 1800 G.M.T. 6th.

Station	Max.	Time.	Min.	Time.
South Kensington	0.6 / 1.0	5-9 p.m. / 6th 9h	0.3	6th 1h
Kew Observatory	0.6	6th 9h	0.3	5th 24h

Solar Radiation. Vertical component per square centimetre. During yesterday. South Kensington. Total .... joules. Average Rate .... Milliwatts. Maximum Rate .... Milliwatts.

Pole Star Record at Greenwich Obsy. Exposure from 6th 17 h. 0 m. to 7th 7 h. 0 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	14.0	0.32	4
δ Ursae Minoris	14.0	0.22	3

Radio Disturbances (Atmospherics) at Croydon.†

Time.	Type.	No. per sec.	Seasn.	Direc.
15h.	–	–	–	–
18h.	–	–	–	–
21h.	–	–	–	–
24h.	–	–	–	–

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom. 7th & 8th January 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8.4 / 8.4	11.59 / 12.0	3.54 / 3.56
Greenwich	8.6 / 8.6	12.6 / 12.7	4.6 / 4.8
Wick	9.0 / 9.0	12.18 / 12.19	3.36 / 3.38
Valencia	8.49 / 8.49	12.47 / 12.46	4.44 / 4.46

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow. 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.
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.

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

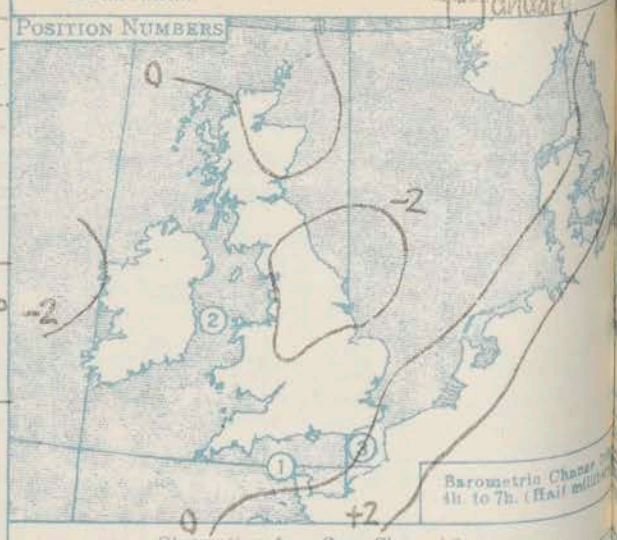
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

† For explanation, see 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. 6th	WEATHER. 13h.-18h. 6th	WEATHER. 18h. 6th to 1h. 7th	WEATHER. 1h.-7h. 7th	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. Hours.
Lerwick	oo	oo	r or d	r or d	42	41	.	0.1	5	1630	<2100	.
Stornoway	oo	r or d	r or d	p	47	36	.	0.6	2	–	–	0.0
Wick	es d d m	o m d d	o m d d	o d d bc	43	35	.	2	2	<0600	<2100	.
Castlebay	oo d	d d r r	r r o	o. bc	48	41	.	1	1	<0800	–	0.0
Nairn	r o r d		r o r d		44	37	.	1	1	0900	0330	0.0
Aberdeen	o f d o m	o m f	o m i r		40	37	31	1	3	<0600	<2100	0.0
Malin Head	o i d	o i d	i d i o	o r r	48	43	.	3	1	<0800	<2100	0.1
Renfrew	o r r o m	o d o m	o i m p r		47	42	36	0.6	1	<0800	0430	0.0
Edinburgh: Inchkeith	f o r m	r	r	r o r d	42	42	40	0.3	1	1530	–	.
Eskdalemuir	c o m s	p e o d f o	r o r d		34	36	35	1	3	1430	<2100	0.0
Tynemouth	d o f f	o f f d o	m r o r o	m r o	41	37	.	0.2	3	<0800	<2100	.
Blacksod Point ...	p	r o r d	p		52	44	.	1	2	1330	2400	.
Donaghadee	o m	i d o	b c m	i d o	45	43	.	0.4	0.3	1330	0330	.
Birr Castle	c r o f c	c o i r o	c o i d o	c o	46	40	33	0.1	1	<0800	<2100	0.0
Baldonnell	g d d m	o o	o d o d o	o d o d o m	44	43	41	0.2	0.5	<0600	2400	0.0
Holyhead ...	o d e r	r r o	c r. o d.	r o r d	48	45	44	1	1	<0800	–	0.0
Liverpool (Bidston) ...	f o r m	r o r d	r o r d		45	39	37	4	5	<0800	<2100	0.0
Chester (Shotwick) ...	o r o r o	o d d f	o d o d o f	o i r m	43	40	38	5	4	<0800	<2100	.
Spurn Head	b o r b c	c	f o r m	r o r d	40	34	.	trace	1	1330	<2100	2.5
Nottingham	o o f.	o f	r o r d		40	35	35	–	3	–	<2100	0.0
Cranwell	c	o o	m d o r o	r o r d	39	34	31	–	0.3	–	2200	0.2
Gorleston	c s h.	c	o o	s o r r s	42	31	32	3	trace	<0800	0630	2.4
Pulham	s o r r s	c	s o r r s		37	30	30	2	?	0900	?	2.3
Felixstowe	b o r b c	c	s o r r s		38	32	31	–	1	–	2200	2.3
Valencia (Cahirciveen)	o p c	c o p d c	p	o c b c	49	47	41	0.1	0.6	0900	<2100	0.2
Roches Point	p o o	o o	o o		48	46	.	0.1	–	0900	–	.
Pembroke (St. Ann's H.)	o o	o o	o o	o i d o m	48	46	.	–	0.6	–	0330	0.0
Ross-on-Wye	o i r o m	o m g d	d d r o r o	d o o	41	38	38	1	2	<0800	<2100	0.0
Benson...	o m	d d o	i d o o	i r o	38	34	32	0.4	1	<0800	<2100	.
S. Farnborough ...	o o	f o r m	r o r d		41	33	28	–	1	–	0130	0.2
London (Kew Obsy.) ...	o m b z	b z o z o m	o f o m	o m o r r	41	34	32	–	2	–	0130	2.8
Croydon	o c m f b	b b c o m f	o f m r o	o r o r s d r	39	33	31	–	2	–	2400	3.2
Clacton-on-Sea ...	b c c	o m	o m o g	o g s	39	33	32	–	0.4	–	0330	4.4
Shoeburyness	b o r b c	c	s o r r s		42	32	26	–	0.3	–	0330	4.3
Grain	c	b o r b c	o o		42	32	29	–	0.4	–	0530	3.5
Lympne	b c b c b u n	c	o o	s o r r s	39	30	29	–	0.4	–	0330	5.4
Scilly (St. Mary's) ...	p	o o	o o	o m d	51	47	.	0.4	1	<0800	0330	1.7
Falmouth (Pendennis)	o	o o	o	o f d	48	45	.	trace	0.1	<0800	0630	0.0
Plymouth (Cattewater)	o o	o o	r o r d		48	45	35	–	trace	–	<2100	0.0
Portland Bill	r o r d	r o r d	r o r d	o o	43	41	.	1	3	<0800	<2100	.
Southampton (Calshot)	r o r d	r o r d	r o r d	r o r d	40	37	36	0.2	2	<0800	<2100	0.0
Dungeness	b o r b c m	c i m	r s o	s o s o	40	32	.	–	0.2	–	2200	.
Jersey	o d o r r	o r r o	r o r d	o d o o	47	42	.	6	5	<0800	2200	0.0

ISALLOBARS. 7th January.



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea
2	6th 1000	Cambria	NNW	5	o	46	49
1	6th 1300	Reindeer	NW	4	do	49	53
3	7th 0300	–	SW	3	rs o	38	47

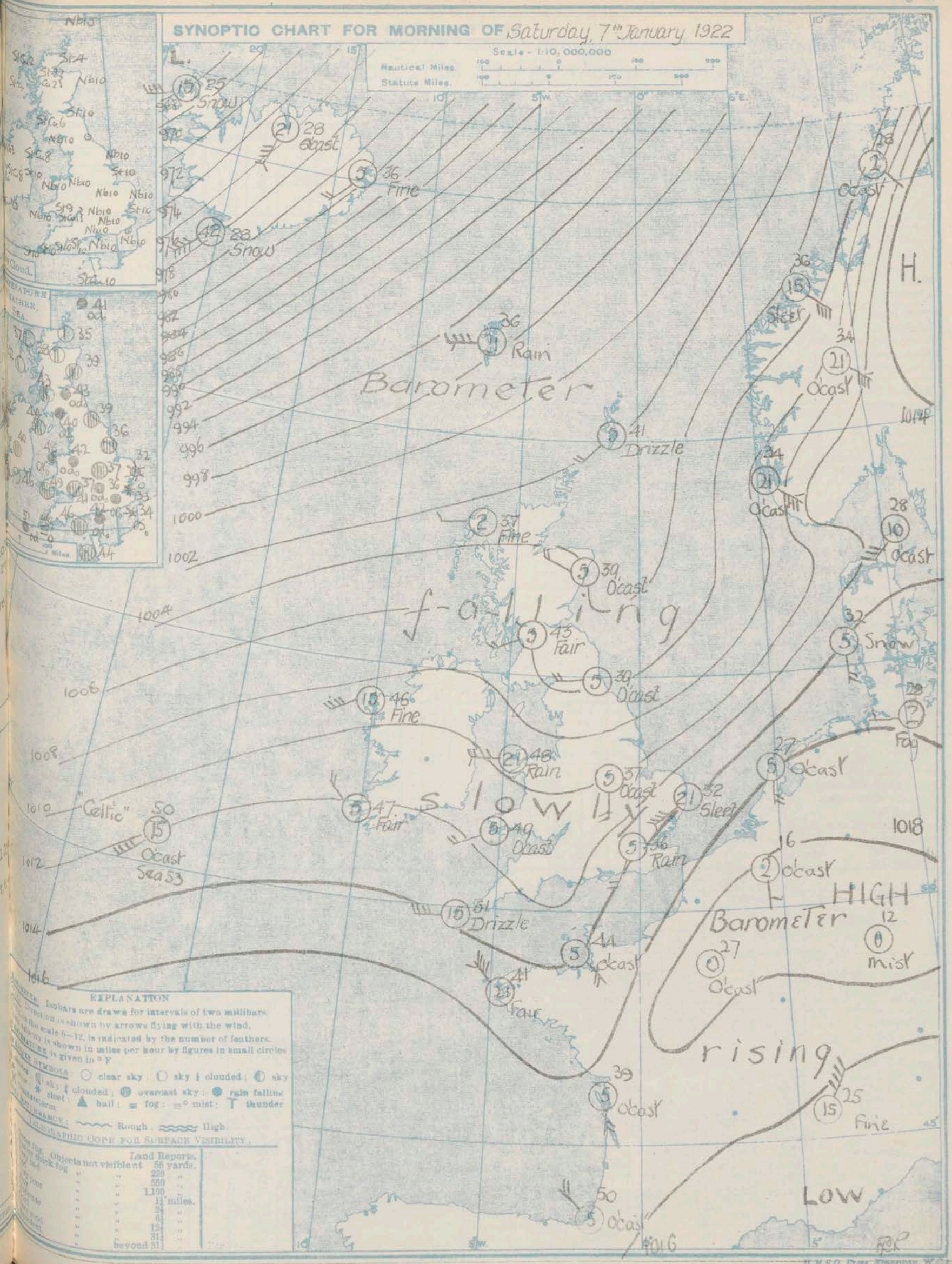
GENERAL INFERENCE.

A mild Westerly wind current is spreading Eastward and will probably cover the whole Kingdom by Sunday morning. There will be rain or drizzle over Eastern Scotland to-day followed by a temporary improvement.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Saturday 7th January 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Moderate Southerly wind, veering West; some rain, with local sleet to-day, fairer tomorrow; visibility indifferent to fair; cold, becoming milder.	
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	Wind mainly Westerly, moderate, fresh in places; some rain early then fairer; visibility fair to good; moderate temperature.	Milder generally with Westerly winds and unsettled weather.

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 1955. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. SATURDAY, 7th JANUARY 1922. No. 7

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.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1002.3	-2	SW	4	odd	43	97	5	2500	NB	10	-	10	*
Stornoway	[illegible]	0	[illegible]	1	[illegible]	*	*	4	*	*	*	*	*	*
Wick	1007.1	-1	SW	4	[illegible]	42	97	6	800	St	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1007.6	0	NW	1	ovr	45	97	6	4000	Nb	10	-	10	*
Renfrew														*
Edinburgh (Inchkeith)	[illegible]	[illegible]	WSW	3	bc	42	97	7	-	St Cu	5	-	5	*
Eskdalemuir														*
Tynemouth	1007.9	-3	SW	2	[illegible]	38	97	5	[illegible]	NB	10	-	10	*
Blacksod Point ...														*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	[illegible]	-5	SSW	4	o	46	93	6	800	St	10	-	10	*
Holyhead	1010.3	-1	W	3	[illegible]	[illegible]	[illegible]	6	[illegible]	St Cu	10	-	10	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	[illegible]	[illegible]	SSW	3	[illegible]	37	97	[illegible]	[illegible]	St	10	-	10	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1012.6	0	SSW	2	[illegible]	35	92	8	1500	NB	10	-	10	*
Gorleston	1013.5	[illegible]	SSW	2	o	36	85	7	-	-	o	[illegible]	10	*
Pulham														*
Felixstowe														*
Valencia (Cahirciveen)	1014.0	0	NW	4	o/r	48	97	5	*	*	*	*	*	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Anne's H.)	1012.8	-1	WNW	2	o	48	85	9	4000	St	10	-	10	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	1013.7	0	-	0	ore	35	92	4	2500	NB	10	-	10	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1012.3	+2	N	3	o	34	92	6	[illegible]	St	10	-	10	*
Scilly (St. Mary's) ...	1015.1	0	NNE	3	o	40	97	9	4000	St Cu	10	-	10	*
Falmouth (Pendennis)	1014.0	0	-	0	0	47	97	9	4000	Cu	10	-	10	*
Plymouth (Cattewater)														*
Portland Bill	?	+3	SE	4	ore	43	85	6	450	St	10	-	10	*
Southampton (Calshot)	[illegible]	[illegible]	[illegible]	1	ovr	34	92	6	800	St	10	-	10	*
Dungeness	[illegible]	[illegible]	SE	3	c/s	37	65	7	4000	NB	3	-	8	*
Jersey 7h } ... ... Guernsey 1h }	1013.6	0	SSE	3	odd	45	97	6	4000	NB	10	-	10	*

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.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1001.5	0	SW	2	odd	41	85	7	2500	NB	10	-	10	*
Stornoway	1003.4	0	W	1	b-	37	92	7	4000	St Cu	2	-	2	*
Wick	[illegible]	+1	SW	1	bc/r	35	97	8	[illegible]	St	4	-	4	*
Castlebay	[illegible]	[illegible]	W	2	bc	42	92	8	1500	St	4	-	4	*
Nairn	[illegible]	*	W	1	bc/r	38	92	5	1500	St	5	-	5	*
Aberdeen	1004.7	+1	WNW	2	o/r	39	97	5	2500	NB	10	-	10	*
Malin Head	1006.6	-1	W	1	o/r	45	97	6	4000	St Cu	10	-	10	*
Renfrew	1006.6	0	WSW	2	o/r	43	86	6	2500	St Cu	6	[illegible]	10	*
Edinburgh (Inchkeith)	[illegible]	-1	WSW	3	[illegible]	43	97	7	[illegible]	St	10	-	10	*
Eskdalemuir	1006.0	-2	-	0	odd	40	97	4	450	NB	10	-	10	*
Tynemouth	1006.3	-3	W	2	o/r	39	97	5	-	-	0	[illegible]	10	*
Blacksod Point ...	1006.9	-3	WNW	4	b/r	46	95	5	-	[illegible]	3	-	8	*
Donaghadee	[illegible]	0	WSW	1	c/r	44	92	7	5150	St Cu	5	-	5	*
Birr Castle	1010.1	*	W	1	c -	40	97	3	2500	St Cu	8	-	8	*
Baldonnell	1010.1	0	SSW	4	o	44	97	6	1500	St	10	-	10	*
Holyhead	1008.3	-1	W	5	ore	45	97	6	1500	NB	10	-	10	*
Liverpool (Bidston) ...	1009.0	-2	SSW	2	odd	42	95	5	1500	NB	10	-	10	*
Chester (Shotwick) ...	1009.2	-3	SE	2	o/r	43	92	5	1500	NB	10	-	10	*
Spurn Head	1008.4	-3	SSW	4	fog	34	97	2	450	St	10	-	10	*
Nottingham	1009.6	*	S	2	o	37	97	6	450	NB	10	-	10	*
Cranwell	1010.7	-1	S	4	odd	35	92	5	800	NB	10	-	10	*
Gorleston	1013.7	0	SSW	5	ore	32	97	5	4500	NB	10	-	10	*
Pulham	1013.8	0	SW	4	odd	31	97	6	2500	NB	10	-	10	*
Felixstowe	1015.2	+1	SSW	5	ore	32	95	5	450	St	10	-	10	*
Valencia (Cahirciveen)	1012.0	-1	NNE	2	bc-	47	85	8	2500	St	5	-	5	*
Roches Point	1012.6	0	W	1	b	46	92	8	-	-	0	-	10	*
Pembroke (St. Anne's H.)	1011.0	-1	WSW	2	o/r	47	97	9	2500	NB	10	-	10	*
Ross-on-Wye	1010.7	0	SW	2	o	41	92	6	2500	St	10	-	10	*
Benson	1012.0	-1	S	3	odd	37	92	4	-	NB	10	-	10	*
S. Farnborough ...	1012.8	-1	SE	3	ore	38	97	5	1500	NB	10	-	10	*
London (Kew Obsy.) ...	1013.2	-1	SSW	2	ore	36	97	6	2500	NB	10	-	10	*
Croydon	1010.0	0	SSW	4	odd	35	97	5	1500	NB	10	-	10	*
Clacton-on-Sea ...	1014.2	0	S	5	ore	33	97	1	1500	St	10	-	10	*
Shoeburyness	1014.2	0	SW	4	ore	33	95	5	1500	St	10	-	10	*
Grain	1014.6	0	E	4	ore	38	92	6	2500	NB	10	-	10	*
Lympne	1015.9	+1	E	4	ore	32	97	5	1500	NB	10	-	10	*
Scilly (St. Mary's) ...	1014.0	-1	W	4	odd	51	97	5	1500	St	10	-	10	*
Falmouth (Pendennis)	1014.5	0	-	0	FFc	46	85	0	2.5	St	10	-	10	*
Plymouth (Cattewater)	1012.9	0	NW	1	odd	47	92	7	1500	St	10	-	10	*
Portland Bill	1011.4	-1	NNW	2	o/r	46	85	7	450	St	10	-	10	*
Southampton (Calshot)	1012.7	-1	SE	2	ore	42	92	6	800	NB	10	-	10	*
Dungeness	1015.0	0	SSE	4	ore	34	95	7	-	-	0	[illegible]	10	*
Jersey 7h } ... ... Guernsey 1h }	1013.9	0	SE	2	o/r	44	92	8	2500	St Cu	10	-	10	*

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 17h.-9h. 5th-6th mm.	Rainfall.† Day 9h.-17h. 6th mm.	Sunshine. Sunrise to Sunset 6th hr.	Sunshine. hr.
Banff	omd	omd	38	36	0	1	0.0	
Montrose	orf	orf	37	34	2	3	0.0	
Llandudno	omo	zm	40	40	5	1	0.0	
Colwyn Bay ...	cd	d	46	40	5	3	0.0	
Rhyl	r	r	40	39	2	4	0.0	
Southport	fcor	or	40	37	0.5	1	0.0	
Blackpool	om	od	41	33	0.8	0.9	0.0	
Harrogate	c	ofd	39	32	-	-	0.0	
Skegness	mob	bbcc	41	29	-	-	4.3	
Aberystwyth ...	ro	ror	47	39	3	1	0.0	
Bath	md	odm	41	35	3	1	0.0	
Leamington Spa ...	od	od	38	34	-	0.7	0.0	
Lowestoft	bccp	co	39	34	3	0.5	2.3	
Felixstowe	bm	c	37	30	-	-	2.8	
Southend	ocbc	bcco	42	31	-	-	3.4	
Paignton	o	o	49	34	0.3	-	0.0	
Ilfracombe	o	or	48	40	0.2	0.3	0.0	
Bude	oro	oo	49	41	1	-	0.0	
Penzance	oc	pacm	50	38	1	0.5	0.4	
Falmouth Observatory	bco	co	48	37	5	-	0.2	
Torquay	o	o	48	36	0.4	-	0.0	
Weymouth	oefd	cmfom	45	35	0.7	0.8	0.0	
Bournemouth ...	o	o	39	33	1	0.3	0.0	
Portsmouth (S'thsea)	o	o	40	33	-	-	0.0	
Worthing	bc	bc	41	33	-	-	3.6	
Brighton	ocbc	bccd	41	32	-	-	4.7	
Eastbourne ...	bcb	bbcco	40	33	-	-	5.0	
Hastings	ocbc	bcco	41	30	-	-	4.4	
Folkestone	mbc	bcc	39	30	-	-	5.9	
Tunbridge Wells ...	bcm	bccm	39	29	-	-	0.8	
Ramsgate	oc	bc	38	33	-	-	3.3	
Margate	c	bc	40	35	-	-	0.4	
Deal	bcb	bccd	39	32	-	trace	4.0	

* 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 4.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 21,762 Sunday, 8th January 1922.

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	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1003.5	+1	NW	1	b-	41	85	8	4000	Cu	2	-	2	·
Stornoway	[illegible]	0	W	1	b	44	85		-	-	0	A.Cu	2	·
Wick	1000.0	+2	WSW	2	pc+	39	[illegible]	[illegible]	-	-	0	Ci.Cu	5	·
Castlebay	1002.9	-1	S	3	opr	45	95	5	1500	St	10	-	10	·
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	·
Aberdeen	1005.1	0	W's	1	bc-	39	92	6	5750	St.Cu	4	Ci	5	·
Malin Head	1005.9	0	W	2	c	44	97	7	4000	CuNb	7	-	7	·
Renfrew	1006.7	0	-	0	o	43	92	5	3000	St.Cu	3	A.St	9	·
Edinburgh (Inchkeith)	1006.1	+3	W	1	m.o	42	85	5	-	St	2	A.Cu	9	·
Eskdalemuir	1006.9	+1	NW	1	o	42	95	8	4000	St.Cu	7	Ci.St	7	·
Tynemouth	1006.2	0	WNW	1	[illegible]	44	92	[illegible]	4000	Nb	0	-	10	·
Blacksod Point ...	1004.1	-1	SW	4	c/r	49	92	8	[illegible]	-	-	-	8	·
Donaghadee	[illegible]	+1	NE	1	bc	45	95	7	-	-	0	A.Cu	4	·
Birr Castle	1010.2	·	SW	1	o+	45	92	-	2500	St.Cu	9	-	9	·
Baldonnell	1009.9	-2	SW's	4	c	45	95	7	-	-	3	Ci.Cu	7	·
Holyhead	1004.5	0	W	4	o	47	[illegible]	6	2500	St.Cu	2	Ci	10	·
Liverpool (Bidston) ...	1008.1	-1	W	3	bc-	45	92	7	2500	St.Cu	3	Ci.Cu	6	·
Chester (Shotwick) ...	1007.7	0	SW	2	c-	47	85	[illegible]	1500	[illegible]	4	A.Cu	8	·
Spurn Head	1006.[illegible]	0	SSW	3	or	41	97	2	450	St	10	-	10	·
Nottingham	1008.[illegible]	·	SW	2	or.r	42	97	[illegible]	2000	Nb	10	-	10	·
Cranwell	1009.4	-2	SW's	3	odd	40	97	6	800	Nb	10	-	10	·
Gorleston	1012.5	-1	SW's	6	odd	34	97	5	1500	Nb	10	-	10	·
Pulham	1011.2	-3	SW	5	odd	35	97	6	2500	Nb	10	-	10	·
Felixstowe	1012.7	-4	SW	5	od	35	97	7	750	St	10	-	10	·
Valencia (Cahirciveen)	1010.3	-4	SSW	2	o	50	92	8	800	St	8	A.St	10	·
Roches Point ...	1011.5	-1	SW	1	o	49	85	7	4000	St.Cu	1	Ci.St	10	·
Pembroke (St. Ann's H.)	1012.0	+1	WNW	2	c	43	85	8	2500	Cu	3	Ci.St	8	·
Ross-on-Wye	1010.0	-1	SW	2	mmo	40	97	6	2500	St	9	A.St	10	·
Benson	1010.5	-3	SSW	2	or	42	92	5	-	St	10	-	10	·
S. Farnborough ...	1011.2	-4	SSW	2	odd	43	97	3	500	Nb	8	A.Cu	10	·
London (Kew Obsy.) ...	1011.2	-3	SSW	3	odd	42	97	5	2500	Nb	10	-	10	·
Croydon	1011.1	-4	SW	4	od₂	40	97	6	450	St	10	-	10	·
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	·
Shoeburyness	1012.1	-2	SSW	6	o/d	37	85	8	1500	St	[illegible]	-	10	·
Grain	1012.0	-2	S	5	od₀	37	92	[illegible]	1200	St	10	-	10	·
Lympne	1012.1	-2	SW	5	o/r	35	92	[illegible]	800	St	10	-	10	·
Scilly (St. Mary's) ...	1015.6	0	NNW	3	o	51	92	6	[illegible]	[illegible]	10	-	10	·
Falmouth (Pendennis)	1013.1	0	NW	3	mmo	50	95	6	1500	St	10	-	10	·
Plymouth (Cattewater)	1012.3	0	WSW	3	o	50	92	[illegible]	1500	St	10	-	10	·
Portland Bill	1011.6	0	WSW	4	od	50	[illegible]	7	450	St	10	-	10	·
Southampton (Calshot)	1011.5	-1	SW	3	o/r	46	97	6	800	St	10	-	10	·
Dungeness	1013.9	-2	SW	5	od	38	92	3	800	St	10	-	10	·
Jersey	[illegible]	0	W	3	o/r	49	92	[illegible]	1500	Nb	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	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1003.3	-1	S	4	b-	39	85	7	-	-	0	-	0	1
Stornoway	998.4	-5	WSW	5	spr	44	85	[illegible]	450	St	9	-	9	3
Wick	1002.3	-2	SSW	4	b	39	92	[illegible]	800	St	1	Ci.St	3	0
Castlebay	999.8	-3	SSW	5	o+	47	92	8	1500	St.Cu	10	-	10	4
Nairn	1001.6	*	-	0	b-	33	97	8	-	-	0	A.Cu	3	*
Aberdeen	1004.8	-1	SSW	2	b-	36	92	4	-	-	0	-	0	0
Malin Head	1002.7	-3	SW	3	o+	44	92	7	4000	St.Cu	9	-	9	2
Renfrew	1005.8	-1	S	1	[illegible]	38	92	5	4000	St.Cu	3	-	6	·
Edinburgh (Inchkeith)	1009.1	-1	WSW	2	o.r	41	92	7	-	-	0	Ci.Cu	2	2
Eskdalemuir	1007.0	0	-	0	fo	37	97	3	800	St	10	-	10	·
Tynemouth	1007.[illegible]	0	SSW	2	b-	41	92	5	4000	St	3	-	3	2
Blacksod Point	1001.8	-9	SSW	6	c/r	48	92	6	-	Cu	8	-	8	4
Donaghadee	1007.9	-1	NW	1	bc-	41	85	8	-	-	0	A.Cu	5	0
Birr Castle	1009.5	·	S	2	o	45	92	5	1500	St	4	A.St	9	·
Baldonnell	1007.4	-2	SW	2	o.r	43	85	7	1500	St	3	A.St	9	·
Holyhead	1008.5	-2	SW	3	c	45	85	7	-	-	0	Ci	7	0
Liverpool (Bidston)	1008.9	+1	W	2	c	42	92	5	2500	St	3	-	3	3
Chester (Shotwick)	1008.4	+1	W	3	b-	41	92	5	2500	St.Cu	1	Ci.St	1	·
Spurn Head	1007.3	-1	SSW	3	fo+	42	97	3	450	St	10	-	10	3
Nottingham	1008.8	·	W	2	b-	41	92	4		-	0	Ci.St	3	·
Cranwell	1009.1	+1	W	3	bc-	41	97	3	-	-	0	Ci.St	4	·
Gorleston	1010.7	-2	SSW	5	o.r	37	97	6	2500	Nb	10	-	10	4
Pulham	1009.8	-2	SW's	3	odd	35	97	5	2500	Nb	10	-	10	·
Felixstowe	1012.4	-1	SW	4	odd	39	97	6	450	St	10	-	10	2
Valencia (Cahirciveen)	1006.7	-4	SW	3	o	50	85	2	800	St	10	-	10	4
Roches Point	1007.7	-4	WSW	2	od	49	97	8	2500	St	10	-	10	[illegible]
Pembroke (St. Ann's H.)	1011.4	0	WNW	2	b-	42	85	8	-	-	0	A.St	3	2
Ross-on-Wye	1010.4	+1	WSW	1	bm	42	85	8	-	-	0	Ci	2	·
Benson	1009.7	0	-	0	or	43	92	[illegible]	-	[illegible]	10	-	10	·
S. Farnborough	1010.6	0	W	2	m.o	44	97	3	1500	St	10	-	10	·
London (Kew Obsy.)	1010.6	0	SW	2	o/r	44	97	4	1500	St	10	-	10	·
Croydon	1011.1	-1	SW	3	o/r	43	97	5	450	St	10	-	10	·
Clacton-on-Sea	1010.5	-2	SSW	4	or	39	97	2	1500	St	10	-	10	4
Shoeburyness	1010.4	-2	SW	2	o.d	40	92	7	1500	St	10	-	10	·
Grain	1010.3	-2	SSW	4 (12)	o.r	41	97	6	1500	Nb	10	-	10	0
Lympne	1011.7	-2	SW	4	odd	39	97	1	450	Nb	10	-	10	·
Scilly (St. Mary's)	1013.4	0	W	2	o	50	97	2	4000	St.Cu	5	A.Cu	10	4
Falmouth (Pendennis)	1013.2	0	-	0	c-	46	85	6	2500	St	7	-	7	0
Plymouth (Cattewater)	1012.5	0	-	0	b-	47	92	8	-	-	0	A.Cu	2	·
Portland Bill	1011.4	0	NNW	5	o/r	49	85	7	-	-	0	A.St	10	4
Southampton (Calshot)	1010.0	-1	WNW	3	o/r	46	92	6	1500	St.Cu	10	-	10	0
Dungeness	1014.2	-2	SW	5	o/r	41	97	6	2000	Nb	10	-	10	5
Jersey	1012.1	0	W	3	odd	50	97	6	1500	Nb	10	-	10	0

London Observations

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	[illegible]	[illegible]	[illegible]	*	*	23	0.6	1	0.0	*	*
Croydon } 24 hours ended 0700	[illegible]	[illegible]	[illegible]	*	*	35	1	1	0.0	*	*
Greenwich (Royal Obsy.) ..	od₀	od₀ r	o.r₀	51	27	33	2		0.0	73	90
City (Bunhill Row)	*	*	*	*	*	*	*	*		*	*
Westminster (St. James' Pk.)	*	*	*	50	38	31	1.5			?	93
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*		*	-
Camden Sq. (Brit. Rainfall) ..	-	-	*	49	31	35	0.5	2	*	-	96
Kensington Palace ...	o	o	*	49	37	35	0.5	2	*	97	98
Hampstead Observatory ..	*	*	*							*	

Atmospheric Pollution. Milligrams of Solid impurity per cubic metre.

24 Hrs. ended 1800 G.M.T. 7th

South Kensington			
Max.	Time.	Min.	Time.

Kew Observatory			
Max.*	Time.	Min.	Time.

Solar Radiation. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total .... joules

Average Rate

.... Milliwatts.

Maximum Rate

.... Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from ....h......m. to............h......m.

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

Basic Disturbances (Atmospherics) at Croydon.†

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	-	-	-	-
18h.	-	-	-	-
6th.	-	-	-	-
7th.	-	-	-	-

Table showing the Greenwich Time of Sunrise, Noon, and Sunset for Stations in the United Kingdom.

8th & 9th January, 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth ...	7.4 / 7.3	12.0 / 12.0	3.56 / 3.57
Greenwich ...	8.6 / 8.5	12.7 / 12.7	4.8 / 4.9
Wick ...	9.0 / 8.59	12.11 / 12.11	3.38 / 3.40
Valencia ...	8.41 / 8.40	12.48 / 12.48	4.56 / 4.58

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e. rain and snow together.
s snow. 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.

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.

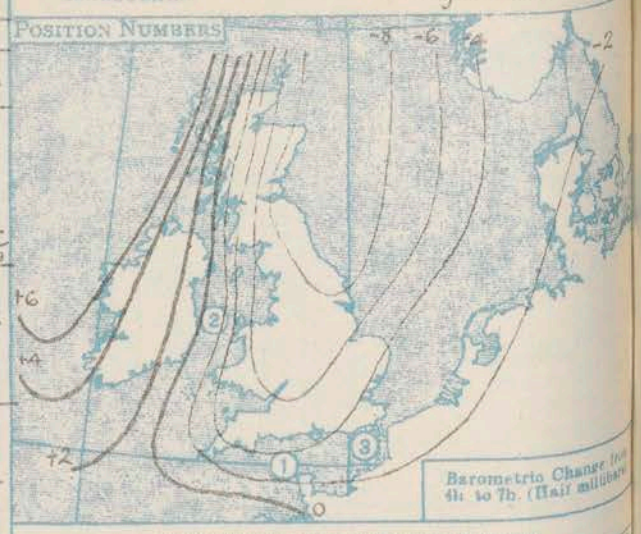
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

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

SUMMARIES FOR THE PAST 24 HOURS

STATIONS.	WEATHER. 7h.-13h. 7th	WEATHER. 13h.-19h. 7th	WEATHER. 19h.-1h. 7th to 8th	WEATHER. 1h.-7h. 8th	TEMPERATURE. MAX. Day. 7h.-18h.	TEMPERATURE. MIN. Night. 18h.-7h.	TEMPERATURE. MIN. on GRASS.	RAINFALL.† Day. 7h.-18h.	RAINFALL.† Night. 18h.-7h.	RAINFALL.† Precipitation began.	RAINFALL.† Precipitation began.	SUN. Hours
Lerwick	barbc	barbc	barbc	Tord	44	37	•	–	3	–	0430	•
Stornoway	barbc	p	Tord	p	44	41	•	1	5	–	–	1.9
Wick	barbc	barbc	oo	oirc	40	39	•	–	2	–	0130	
Castlebay	bcop	opbco	orr	rroc	47	44	•	1	4	–	–	08
Nairn	barbc	barbc	c		39	31	•	–	–	–	–	1.2
Aberdeen	ob.fm	bcbm	mr₀r₀		39	35	29	–	1	–	0130	4.5
Malin Head	c	c	oqir	cIR	48	44	•	–	6	–	<2100	1.5
Renfrew	cimo	ocm	orr	imprc	46	38	30	trace	8	<0800	0130	0.5
Edinburgh (Inchkeith)	form	form	bordo	Tord	43	39	35	trace	2	–	0330	•
Eskdalemuir	omco	cof	oif	ofro	43	34	34	trace	10	<0100	0130	0.7
Tynemouth	off	obcm	ffmm	imrr	44	37	•	2	2	1230	0330	•
Blacksod Point	p	p		p	49	45	•	2	9	1100	2200	•
Donaghadee	bc	bc	oir	boray	47	41	•	–	6	–	[illegible]	•
Birr Castle	co	co	cir	irrbc	46	43	39	–	4	–	2400	1.4
Baldonnell	cc	c	odoirc	orrmcm	?	41	36	–	3	–	<2100	2.1
Holyhead	obcoco	oc	or₀r₀	rroibc	48	44	43	trace	5	<0800	2200	1.3
Liverpool (Bidston)	oo	c	Tord		50	39	31	0.3	3	<0800	0330	0.5
Chester (Shotwick)	odmoc	cbcbm	bbco	opdoibc	48	35	30	0.1	0.1	<0800	0530	•
Howden												
Spurn Head	form	rord	form	p	42	36	•	2	1	1100	0230	0.0
Nottingham	irr₀r₀	form	irr		44	34	31	1	3	1100	0230	0.0
Cranwell	oir	oirm	mm	Tord	43	36	32	1	2	<0800	0330	0.0
Gorleston	orsqd	or₀r₀	of.ofs.	ofers	37	36	35	3	0.4	1100	<2100	0.0
Pulham	s r r	r r d	Tord		35	34	33	3	1	0900	<2100	0.0
Felixstowe	s r r	r r d	Tord		39	38	36	2	1	<0800	<2100	0.0
Valencia (Cahirciveen)	bcodo	o	p	or.c.o	50	50	46	0.1	3	1100	<2100	0.0
Roches Point	c	oo	p		50	48	•	0.3	1	1630	2200	•
Pembroke (St. Ann's H.)	oo	oo	oirid	oidom	49	48	•	–	1	–	0130	0.0
Ross-on-Wye	om	cmcb	bcco	opo	46	38	33	0.2	0.2	<0800	0530	0.0
Benson	oo	ird	or		44	34	25	0.4	1	<0800	0330	•
S. Farnborough	Rddrr	ddrrb	irrr.		44	35	29	1	1	<0800	0330	0.0
London (Kew Obsy.)	omd	omdom	omcm	omr.o	44	38	29	0.6	1	0900	0430	0.0
Croydon	omd	odd	om	omrr	43	37	35	1	1	<0100	0530	0.0
Clacton-on-Sea	ogsmr		ogr.og	ogomr	39	39	38	3	1	<0800	<2100	0.0
Shoeburyness	s.rrs	Tord	Tord		43	38	36	2	2	<0800	<2100	0.0
Grain	oo	ird	Tord		41	38	29	1	2	<0800	0530	0.0
Lympne	imssdd	orrddrf	ldodofm	imrrfr	39	38	31	3	4	<0800	<2100	0.0
Scilly (St. Mary's)	oo	oo	Tord	Tord	51	50	•	0.4	1	<0800	0430	0.0
Falmouth (Pendennis)	omd	omcm	c.om	omr	50	45	[illegible]	0.2	2	0900	0230	0.0
Plymouth (Cattewater)	~~omc~~	o	Tord		50	41	38		1		–	0.0
Portland Bill	Tord	oo	c	Tord	50	47	•	0.2	0.4	1330	0330	•
Southampton (Calshot)	Tord	Tord	c	Tordm	41	38	34	1	0.5	<0800	0530	0.0
Dungeness	oopd₀	irrm	Tordm	mrr	44	41	•	1	1	<0800	<2100	•
Jersey	od₀r₀	orrd	odd.	od₀	51	49	•	2	2	0900	2400	0.0

ISALLOBARS — Sunday 8th JANUARY, 1922



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
2	7th 1000	Cambria	W	4	c	46	49

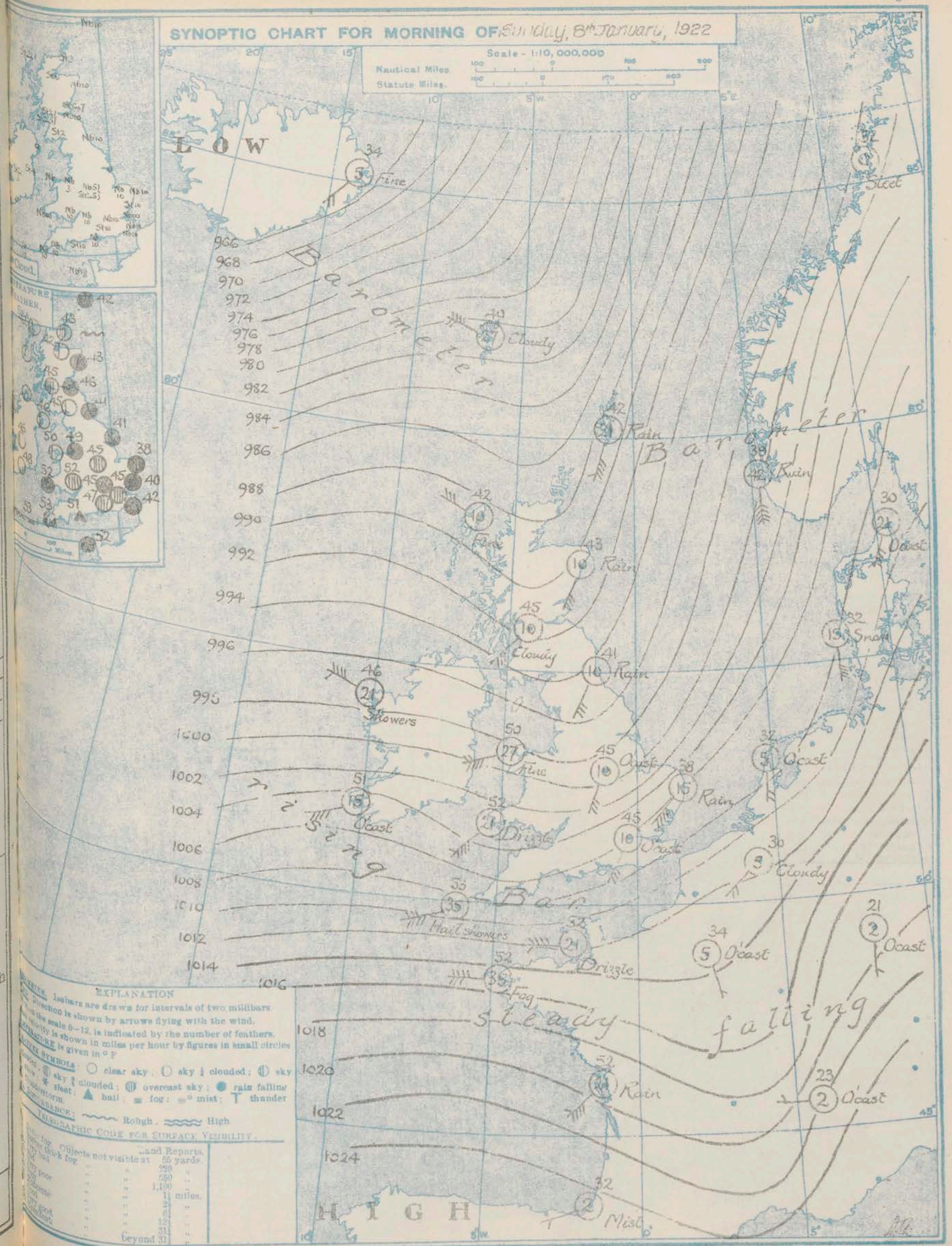
GENERAL INFERENCE.

It appears probable that further depressions will appear from the Atlantic and maintain a mild, unsettled Westerly type of weather.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday 8th January 1922.	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	Wind between West and South-West, moderate or fresh; much cloud generally, some rain, fairer intervals; rather mild.	NONE ISSUED.
✝ 11. E. Scotland ✝ 12. S.W. Scotland 13. Isle of Man ✝ 14. N.& N.W. Scotland ✝ 15. Hebrides ✝ 16. Orkneys and Shetlands	Wind between West and South-West, moderate to strong; much cloud generally, some rain or hail showers; mild or moderate temperature.	✝ South Coast flying
✝ 17. N.W. Ireland ✝ 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Same as 1 to 10.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 10.20. G. C. SIMPSON, F.R.S., Director.

§ For Code see opposite page.



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

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION. Sunday, 8th January 1922. No. 8

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)	Height of Low Cloud (Feet)	Low Cloud Form	Low Cloud Amt. (0-10)	Upper Form	Total Amt. (0-10)	Sea (0-9)
Lerwick	997.7	-8	S	5	bcr	43	75	[illegible]	5000	[illegible]	4	-	4	*
Stornoway	997.3	-7	S	7	rr	*	*	4	*	*	*	*	*	*
Wick	993.5	-4	SSW	4	o	42	35	9	[illegible]	SV	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	991.6	-10	SSW	5	o/r	47	97	7	4000	StCu	10	.	10	
Renfrew														
Edinburgh (Inchkeith)	995.7	-5	SW	2	ct	48	35	8	-	-	0	CiSV	10	*
Eskdalemuir														
Tynemouth	1002.7	-3	[illegible]	1	or	35	92	6	-	-	0	[illegible]	10	*
Blacksod Point														
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1003.1	-9	SW	6	oT	49	72	6	1500	SV	10	-	10	*
Holyhead	1002.3	-5	SSW	5	oT+	[illegible]	[illegible]	6	[illegible]	SV	10	-	10	*
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Sealand)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1002.4	-1	W	2	bc	37	92	4	1500	SV	2	ACu	4	
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1008.1	-2	SW	5	o	37	97	5	-	-	0	CiSV	10	*
Gorleston	1009.0	-1	WSW	3	ffo	39	97	2	1000	Nb	10	-	10	*
Pulham													*	*
Felixstowe														*
Valencia (Cahirciveen)	997.9	-6	SW	5	PR	54	97	4	-	-				*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)														
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obey.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	1010.4	-1	WSW	1	o	39	97	6	-	-	0	CiSk	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1010.1	-1	SW	3	o/r	42	97	6	1500	Nb	10	-	10	*
Scilly (St. Mary's)	1010.7	-1	W	5	o/r	53	97	3	1500	SV	10	-	10	*
Falmouth (Pendennis)	1011.0	[illegible]	SW	3	[illegible]	[illegible]	95	0	1500	SV	10	-	10	*
Plymouth (Cattewater)														*
Portland Bill	1010.5	-1	WSW	4	[illegible]	47	[illegible]	7	1500	[illegible]	4	-	4	*
Southampton (Calshot)	1010.3	-1	SWS	-	o	41	[illegible]	5	-	-	0	CiSV	8	*
Dungeness	1010.7	[illegible]	SW	2	o/r	44	97	6	1500	SV	10	-	10	*
Jersey 7h / Guernsey 1h	1012.9	0	W	[illegible]	[illegible]	44	97	8	4000	SV	7	-	7	*

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)	Height of Low Cloud (Feet)	Low Cloud Form	Low Cloud Amt. (0-10)	Upper Form	Total Amt. (0-10)
Lerwick	998.3	-5	SSW	5	orr	42	97	6	2500	Nb	10	-	10
Stornoway	998.7	[illegible]	WNW	3	r	43	[illegible]	[illegible]	1500	SV	1	-	1
Wick	[illegible]	-1	SW	6	[illegible]	42	[illegible]	[illegible]	1500	SV	[illegible]	CiSV	1
Castlebay	997.6	+5	W	4	c/r	44	85	8	800	Nb	5	A.Sr.	7
Nairn	999.3	*	-	0	bcr	42	[illegible]	8	1500	SV	0		6
Aberdeen	999.3	-5	SSW	3	or	43	97	[illegible]	600	Nb	10	-	10
Malin Head	993.4	+3	SSW	3	o/r	47	97	7	4000	StCu	10	-	10
Renfrew	992.[illegible]	0	SW	3	o/r	45	85	6	2500	StCu	7	-	10
Edinburgh (Inchkeith)	999.6	-9	WSW	4	or	48	[illegible]	8	[illegible]	Nb	10	-	[illegible]
Eskdalemuir	992.8	-	[illegible]	4	r	45	95	8	1500	SV	-	-	[illegible]
Tynemouth	999.7	-3	SSW	3	o	41	92	6	1000	Nb	10		[illegible]
Blacksod Point	997.3	+5	WSW	5	[illegible]	46	75	5	-	[illegible]	4	-	[illegible]
Donaghadee	997.4	+2	W	3	bt	46	[illegible]	[illegible]	-	-	0	[illegible]	[illegible]
Birr Castle	1000.1	*	SW	1	b	46	72	3	4000	StCu	-		4
Baldonnell	1000.[illegible]	+2	SSW	4	bc/r	46	97	5	1500	SV	4	-	[illegible]
Holyhead	997.[illegible]	0	WSW	6	b	50	85	7	1500	Nb	1	-	[illegible]
Liverpool (Bidston)	997.1	-1	WSW	4	odd	49	92	5	1500	Nb	10	-	[illegible]
Chester (Sealand)	997.7	-6	WNW	3	od	51	85	6	1500	[illegible]	[illegible]		[illegible]
Spurn Head	998.7	-8	S	4	ops	41	92	6	-	-	0	a.SV	9
Nottingham	998.4	*	SSW	3	o/r	45	97	7	800	Nb	9	-	[illegible]
Cranwell	1001.0	-6	SW	5	o/r	42	97	7	800	Nb	10	-	10
Gorleston	1006.3	-2	SW	4	orf	38	97	5	4000	Nb	10	-	10
Pulham	1004.3	-4	SSW	3	orr	37	97	4	2500	Nb	10	-	10
Felixstowe	1007.9	-3	WSW	4	or	40	97	6	225	SV	10		[illegible]
Valencia (Cahirciveen)	1004.5	+4	WSW	4	o/r	51	75	8	2500	StCu	10	-	[illegible]
Roches Point	1005.2	+4	WNW	3	b	48	85	8	-	-	0		10
Pembroke (St. Ann's H.)	100[illegible]	-3	SW	5	od	52	92	6	1500	Nb	10		[illegible]
Ross-on-Wye	1002.0	-7	WSW	4	o/r	52	85	9	2500	Nb	10		[illegible]
Benson	1004.3	-5	SSW	4	or	[illegible]	72	5	-	Nb	10		10
S. Farnborough	1005.6	-5	SWS	5	o/r	47	97	7	1500	SV	10	-	10
London (Kew Obey.)	1002.8	-6	SW	3	o/r	45	97	6	2500	Nb	10		10
Croydon	1006.5	-5	SW	4	orr	43	92	6	[illegible]	SV	8	a.c.v	10
Clacton-on-Sea	1001.6	-3	SW	3	or	40	97	4	1500	SV	10	-	[illegible]
Shoeburyness	1002.4	-3	SW	2	odd	42	92	6	1500	-	10	-	10
Grain	1006.8	-6	SSW	4	orr	43	95	5	1500	Nb	10		10
Lympne	1007.[illegible]	-3	SW	4	or	42	97	3	1000	Nb	10		10
Scilly (St. Mary's)	[illegible]	-	WSW	7	o/r/o	53	[illegible]	3	1500	SV	10	-	10
Falmouth (Pendennis)	1006.6	[illegible]	SW	[illegible]	orr	50	92	5	2500	Nb	10	-	10
Plymouth (Cattewater)	1007.9	-1	[illegible]	4	[illegible]	53	97	5	[illegible]	Nb	10		10
Portland Bill	1006.9	-3	WSW	5	[illegible]	51	85	7	450	SV	10	-	10
Southampton (Calshot)	1006.9	-4	WSW	4	ors	47	97	8	1500	Nb	10		10
Dungeness	1008.0	-3	SW	3	orr	45	97	7	4000	Nb	10		10
Jersey 7h / Guernsey 1h	1011.8	0	W	5	o.d.	52	97	5	1500	Nb	10		[illegible]

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 7th

STATIONS	Weather Forenoon	Weather Afternoon	Max. Day °F.	Min. Night °F.	Rainfall Night 18h.-9h. 6th-7th (mm.)	Rainfall Day 9h.-18h. 7th (mm.)	Sunshine Sunrise to Sunset 7th (hr.)
Banff	bcc	bc	39	35	+	-	0.1
Montrose	c	o	[illegible]	35	[illegible]	-	0.4
Llandudno	c[illegible]	bc	48	44	5	0.2	0.0
Colwyn Bay	cd	bc	47	43	5	1	0.5
Rhyl	pc	c	47	41	0.2	-	0.1
Southport	roc	cbcb	45	39	4	0.1	0.1
Blackpool	roc	bc	46	39	4	-	0.3
Harrogate	or	c	44	35	3	0.5	0.0
Skegness	o	om	40	33	3	1	0.0
Aberystwyth	roc	[illegible]	47	44	2	-	0.1
Bath	md	do	48	37	3	1	0.0
Leamington Spa							
Lowestoft	osr	or	37	31	0.5	3	0.0
Felixstowe	omd	omr	39	31	-	-	0.0
Southend	sod	od	40	32	1	1	0.0

STATIONS	Weather Forenoon	Weather Afternoon	Max. Day °F.	Min. Night °F.	Rainfall Night 18h.-9h. 6th-7th (mm.)	Rainfall Day 9h.-18h. 7th (mm.)	Sunshine Sunrise to Sunset 7th
Paignton	o	o.bc	51	41	0.3	-	0.6
Ilfracombe	od	o	50	46	5	0.1	0.1
Bude	opoc	c	50	44	1	0.3	0.0
Penzance	oc	r.bc	51	45	5	-	0.0
Falmouth Observatory	dsoc	[illegible]	50	45	0.6	-	0.0
Torquay	o	o	51	42	0.4	-	0.0
Weymouth	[illegible]	[illegible]	51	40	5	0.2	0.0
Bournemouth	o	[illegible]	48	38	4	1	0.0
Portsmouth (S'thsea)	o	od	46	38	2	1	0.0
Worthing	dr	do	46	37	3	2	0.0
Brighton	ro	or	46	34	3	2	0.0
Eastbourne	dord	dr	45	33	2	5	0.0
Hastings	o	omf	43	34	1	0.7	0.0
Folkestone	so	oro	39	32	1	5	0.0
Tunbridge Wells	odo	orod	43	30	1	1	0.0
Ramsgate	s	s	35	30	0.3	-	0.0
Margate	o	or	36	31	0.3	4	0.0
Deal	sor	or-	37	31	3	1	

* 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. 21,963 Monday, 9th January 1922. Page 1.

Observations at 1300 G.M.T. 8th / Observations at 1800 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	Height of Low Cloud. Feet	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	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	Height of Low Cloud. Feet	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	991.2	+7	W	3	od₀	42	85	7	4000	CuNb	5	.	5	*	996.0	+7	WNW	1	bc	39	75	7	5750	Cu	3	CiSt	5	0
Stornoway	997.5	+4	W	1	bc+	43	85	7	4000	Cu	2	CiSt	5	*	997.5	+4	W	1	bc	37	97	7	4000	Cu	4	-	4	1
Wick	1004.2	+8	WSW	1	c+	40	85	8	1500	CuNb	6	Ci	8	*	997.7	+5	WSW	2	b-	35	97	8	-	-	0	Ci	2	0
Castlebay	997.6	+3	SW	4	bc/r	44	85	8	2500	Cu	3	ASt	5	*	999.9	+1	NW	4	bc⊕	44	85	8	2500	St	6	-	6	4
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*	999.8		-	0	c+	35	92	8	1500	St	7	-	7	*
Aberdeen	995.6	+6	NNW	3	bc/r	44	75	8	4000	StCu	3	-	5	*	999.9	+5	WSW	2	bc+	37	85	6	4000	StCu	5	-	5	0
Malin Head	999.6	+2	SW	3	CPR	44	97	7	4000	CuNb	7	-	7	*	1001.2	+2	WSW	1	o6+	43	97	7	4000	Cu	8	-	8	2
Renfrew	999.5	+4	WSW	2	c/r	42	85	7	2500	StCu	7	-	7	*	1002.4	+3	WSW	2	o/r	41	92	6	2500	Nb	10	-	10	*
Edinburgh (Inchkeith)	997.3	+5	W	3	b-	45	75	7	-	StCu	1	-	1	*	1001.0	+4	WSW	4	o⊕	41	85	7	-	-	0	ASt	10	-
Eskdalemuir	999.8	+6	W	4	bc	44	75	7	2500	Cu	4	-	4	*	1003.5	+5	SW	4	o+	40	85	8	2500	StCu	10	-	10	*
Tynemouth	998.1	+4	W	3	bc/r	47	85	6	4000	Cu	4	-	4	*	1003.3	+3	W	1	o	43	85	6	2500	St	3	-	3	1
Blacksod Point ...	1002.1	+8	W	5	bpr₀	46	85	7	450	CuNb	9	-	9	*	1002.3	+1	W'S	4	bpr₀	47	85	6	450	CuNb	9	-	9	4
Donaghadee	1002.5	+3	W	3	bc+	46	85	8	5750	Cu	2	CiCu	5	*	1003.6	+2	SW	2	c+	45	75	6	2500	Cu	5	CiCu	8	0
Birr Castle	1005.1	*	SW	1	c+	47	85	7	2500	St.	3	A.St	8	*	1006.3	*	SW	1	c+	46	72	5	-	-	-	ASt	10	*
Baldonnell	1005.1	+2	SSW	4	o+	46	85	7	1500	St	5	A.St	10	*	1006.7	+3	SSW	3	c	45	85	6	1500	StCu	3	ASt	7	*
Holyhead	1005.0	-4	WSW	5	bc+	46	85	8	-	-	0	ASt	4	*	1007.0	+2	SW	3	o	48	85	7	2500	StCu	5	A.St	10	3
Liverpool (Bidston)...	[illegible]	+2	WSW	5	bc/r	47	85	8	-	-	0	Ci	4	*	1006.1	+3	W'S	4	c+	45	85	7	2500	Cu	3	CiCu	7	4
Chester (Shotwick) ...	1002.7	-4	W~~[illegible]~~	5	o+	51	65	8	1500	Cu	2	CiCu	9	*	1005.9	+3	WSW	3	o	46	75	7	4000	StCu	2	ACu	10	*
Spurn Head	999.9	+1	W	6	b	47	92	6	4000	CuNb	1	-	1	*	1003.9	+4	W	6	o	44	85	6	-	-	0	ASt	10	3
Nottingham	1003.1	*	W	3	c-	50	75	5	800	CuNb	2	CiSt	7	*	1007.9	*	W	1	o+	43	85	5	1500	Nb	7	ACu	9	*
Cranwell	1003.0	+4	W	5	bc+	50	75	8	2500	Cu	4	Ci	5	*	1007.6	+5	W	4	o-	43	85	7	-	-	0	ACu	9	*
Gorleston	1002.7	-4	WNW	4	b-	49	92	6	4000	CuNb	2	-	2	*	1006.5	+4	WNW	4	o+	46	75	6	-	-	0	ASt	10	0
Pulham	1002.2	-1	WNW	3	c/r	50	85	7	1500	StCu	8	-	8	*	1006.9	+5	W'S	4	o	46	75	6	1500	St	10	-	10	*
Felixstowe	1003.9	-4	W	4	c/r	51	92	6	2500	StCu	7	-	7	*	1009.3	+6	W	3	o	47	75	7	-	-	0	ASt	10	1
Valentia (Cahirciveen)	1001.5	+1	WSW	4	o	51	85	8	2500	St	3	A.St	10	*	1006.4	-2	SW	2	or-	48	92	7	1500	St	5	ASt	10	4
Roches Point	1001.8	+2	WSW	3	c-	51	85	8	-	-	0	ACu	7	*	1007.6	+2	-	0	or₀	48	92	7	2500	Nb	10	-	10	4
Pembroke (St. Ann's H.)	1008.5	+3	WSW	5	o	51	92	7	1500	St	10	.	10	*	1009.4	+1	WSW	4	mo	51	92	6	1500	St	10	.	10	4
Ross-on-Wye	1006.7	+4	W	3	c⊕	50	65	8	4000	Cu	1	CiSt	8	*	1009.9	+3	SW	3	o⊕	48	75	8	-	-	0	CiSt	10	*
Benson... ...	1005.8	+2	W	4	b-	52	65	7	-	Cu	3	-	3	*	1009.9	+3	SW	1	b-	43	85	6	-	-	0	-	0	*
S. Farnborough ...	1006.4	+2	W	4	o/r	52	75	8	-	-	0	Ci	10	*	1010.4	+5	W'S	3	o	47	85	7	-	-	0	CiCu	10	*
London (Kew Obsy.)...	1005.5	+2	W	4	o/r	52	75	6	4000	Cu	4	CiSt	9	*	1010.3	+5	WSW	1	bc-	46	85	6	-	-	0	CiSt	4	*
Croydon	1005.7	0	W	5	o⊕	53	75	6	1500	Cu	4	CiSt	10	*	1010.6	+6	WSW	3	o	47	85	6	-	-	0	CiSt	9	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1008.1	+6	W	3	c/r	44	85	7	4000	St	8	.	8	0
Shoeburyness	1003.7	-4	W	5	o	54	75	6	2500	StCu	7	ACu	9	*	1009.5	+5	WSW	3	o	47	75	6	2500	StCu	10	.	10	*
Grain	1003.7	-4	WSW	5	c-	57	65	7	1500	St	7	-	7	*	1010.0	+7	WSW	3	o	45	85	7	-	-	0	ACu	10	0
Lympne	1005.2	-3	W	5	o/r	50	97	8	450	St	8	CiSt	9	*	1010.6	+6	W	4	o	45	92	7	-	-	0	ACu	10	*
Scilly (St. Mary's) ...	1011.8	+1	W	5	odd	53	97	5	450	St	10	.	10	*	1012.2	+1	W	4	odd	51	97	6	1500	St	10	-	10	7
Falmouth (Pendennis)	1011.3	+4	W	5	o	51	85	5	2500	Nb	10	-	10	*	1012.7	+6	W	3	od₀	51	85	5	2500	Nb	10	-	10	1
Plymouth (Cattewater)	1010.6	+3	SW	4	or+	53	85	6	450	Nb	10	-	10	*	1012.5	+2	WNW	3	o/p	52	92	7	1500	St	10	-	10	0
Portland Bill	1007.4	+1	W	6	o/r	52	85	7	450	St	10	.	10	*	1010.6	+4	W	5	bc-	52	85	7	4000	StCu	5	-	5	5
Southampton (Calshot)	[illegible]	+2	WNW	4	c⊕	53	75	7	2500	Cu	3	CiSt	8	*	1011.3	+4	WNW	2	o	48	85	7	4000	StCu	10	.	10	0
Dungeness	1005.9	-2	SW	5	o/r	48	97	6	1500	St	9	-	9	*	1009.9	+5	SW	4	c	45	97	7	4000	StCu	8	-	8	4
Jersey	1013.2	0	W	4	o/r	54	92	8	1500	Nb	10	-	10	*	1014.2	0	W	5	odd	53	97	7	1500	Nb	10	-	10	3

London Observations

24 Hours ended 0900 G.M.T. 9th — Sunshine and 15h. Humidity: Yesterday; 9h. Humidity: To-day.

London Observations	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. °F.	Temp. 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. %
Kew ...	[illegible]	[illegible]	[illegible]	*	*	34	.02	1	0.9	*	*
Croydon (24 hours ended 0700)	[illegible]	[illegible]	[illegible]	*	*	44	.02	1	1.2	*	*
Greenwich (Royal Obsy.)				55	46	38	-	1	0.3	69	84
City (Bunhill Row)	*	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James' Pk.)	*	*	*	55	46	37	1.7		0.6	74	85
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*	0.1	*	*
Camden Sq. (Brit. Rainfall)	-	-	*	55	45	39	-	2	*	-	88
Kensington Palace ...	bc	bc.cbc	*	55	46	41	.03	1	*	86 (18h)	81
Hampstead Observatory	*	*	*	53	44	35	trace	2		*	91

Atmospheric Pollution.
Milligrams of Solid impurity per cubic metre.

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

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.

Solar Radiation.
Vertical component per square centimetre.

During yesterday.

South Kensington.

Total .... joules

Average Rate .... Milliwatts.

Maximum Rate .... Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from 8th ... 17 h 15 to ... 1 h 0 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	13.45	2 30	19
δ Ursae Minoris	13 45	1 9	8

Radio Disturbances (Atmospherics) at Croydon.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
	-	-	-	-
	-	-	-	-
	-	-	-	-
	-	-	-	-

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom.

9th & 10th Jan: 1922

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8.3 / 8.3	12.0 / 12.1	3.57 / 3.57
Greenwich	8.5 / 8.5	12.7 / 12.8	16.9 / 16.11
Wick	8.59 / 8.58	12.19 / 12.20	3.40 / 3.42
Valencia	8.48 / 8.48	12.48 / 12.49	16.48 / 16.50

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow t thunder.
v 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 intenses, 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.

Sea Disturbance.

0=no swell, 1=mod. swell, 2=heavy swell — Calm or slight sea.
3=no swell, 4=mod. swell, 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

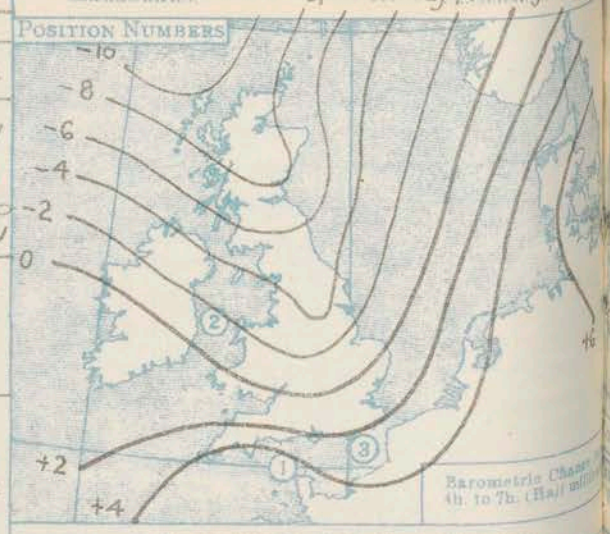
[1] For explanation, see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 8th	WEATHER. 13h.-18h. 8th	WEATHER. 18h.-9h. 8th to 9th	WEATHER. 9h.-7h. 9th	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. Hours.
Lerwick	oo	bobc	bobcldy	bobc	45	36	*	4	-	L0300	-	
Stornoway	bobc	p	c	lrd	43	34	*	1	2	1630	-	1.9
Wick	bopc	bobc	bobc	oro	43	32	*	0.4	0.2	L0800	5.20	*
Castlebay	cobbc	bopc	copc	orro	46	41	*	0.3	3	*	-	1.3
Nairn	bobc		rord		43	32	*	0.4	1	11.00	-	2.0
Aberdeen	ofmb	bbcm	lr	bomm	44	32	22	0.2	1	-	5.30	5.1
Malin Head	cp	oir	rord	hrhr	48	42	*	3	5	L0800	L2100	0.9
Renfrew	bdccpr	cmopr	omro		47	39	35	1	7	L0800	24.00	2.7
Edinburgh (Inchkeith)	c	c	p	rord	46	40	37	trace	2	-	4.30	*
Eskdalemuir	bobc	bcco	opcbc	com	45	35	32	-	7	-	24.00	3.0
Tynemouth	omr	bbcm	bobcm	omro	47	40	*	0.1	1	L0800	4.30	*
Blacksod Point ...	p	p		rord	50	45	*	1	6	1230	24.00	*
Donaghadee	bcq	cm	omr	omrq	48	41	*	-	6	-	3.30	*
Birr Castle	co	o.o	orr	orrq	48	45	43	-	2	-	22.00	0.0
Baldonnell	co	ocid	oorq	bbdmq	46	44	39	trace	1	0900	22.00	0.4
Holyhead	bobc	oo	ocor	rord	50	46	46	-	2	-	24.00	0.6
Liverpool (Bidston) ...	p	bobc	rord		54	45	36	0.2	0.4	L0800	4.30	2.7
Chester (Shotwick) ...	bbco	oo	oorro		52	42	36	2	1	L0800	2.30	*
Howden												
Spurn Head	c	c	bobc	rord	47	41	*	0.3	0.3	-	5.30	2.7
Nottingham	p	c	cp		50	38	31	0.4	2	L0800	1.30	2.0
Cranwell	idir	c	c	ro	50	40	35	0.2	0.2	L0800	4.30	3.4
Gorleston	rocbc	bcco	bcir	ord	51	39	35	3	0.3	11.0	5.30	2.5
Pulham	rord	c	o.c		50	40	36	2	0.2	L0800	6.30	1.7
Felixstowe	rord	c	rord		53	41	39	2	0.4	L0800	5.30	0.9
Valencia (Cahirciveen)	o	o.rd	ord	oido	52	48	46	7	2	1430	24.00	0.0
Roches Point	oo	oo	dd	dcoc	52	47	*	1	2	1630	24.00	
Pembroke (St. Ann's H.)	o	oom	oidm	oir	52	47	*	-	?2	-	22.00	0.3
Ross-on-Wye	dptcc	oco	oido	coq	54	46	44	0.3	0.2	L0800	22.00	1.6
Benson	obcb	bc	bcor	ro	54	43	35	*	1	*	22.00	*
S. Farnborough ...	imr	oo	rord		54	46	42	trace	2	0900	22.00	1.0
London (Kew Obsy.) ...	obco	bombcm	ocdd	orodo	54	45	34	0.2	1	11.0	22.00	0.9
Croydon	omr	oizm	omro	omrdd	55	46	44	0.2	1	L0800	23.30	1.2
Clacton-on-Sea ...	ogr	bomcm	com	omqd	53	42	39	2	0.4	L0800	L4.30	0.9
Shoeburyness	oo	oo	rord		55	43	40	0.2	0.5	0900	-	0.7
Grain	p	oo	oo		57	46	38	0.4	0.2	L0800	2.30	0.9
Lympne	ordd	oo	odo	odrdf	51	44	43	1	0.6	L0800	24.00	0.2
Scilly (St. Mary's) ...	omd	rord	rord	rord	54	51	*	2	1	L0800	24.00	0.0
Falmouth (Pendennis)	omr	omd	omd	omd	54	50	*	3	1	0900	1.30	0.3
Plymouth (Cattewater)	oo	oo	rord		54	50	50	0.3	0.6	L0800	24.00	0.0
Portland Bill	oo	c	c	oo	54	49		-	1	-	24.00	
Southampton (Calshot)	p	oo	rord	rord	54	46	46	0.1	3	L0800	22.00	0.2
Dungeness	rord	c	mrr	rord	50	45	*	1	0.5	L0800	22.00	*
Jersey	odo	ODdo	odd	oddo	55	53	*	1	2	L0800	24.00	0.0

ISALLOBARS. 0700. Monday, January 9th



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea
2	8th 16h.	Cambric	WNW	5	b	46	49
?	9th 08h.	Arundel	W	3	rr	50	49

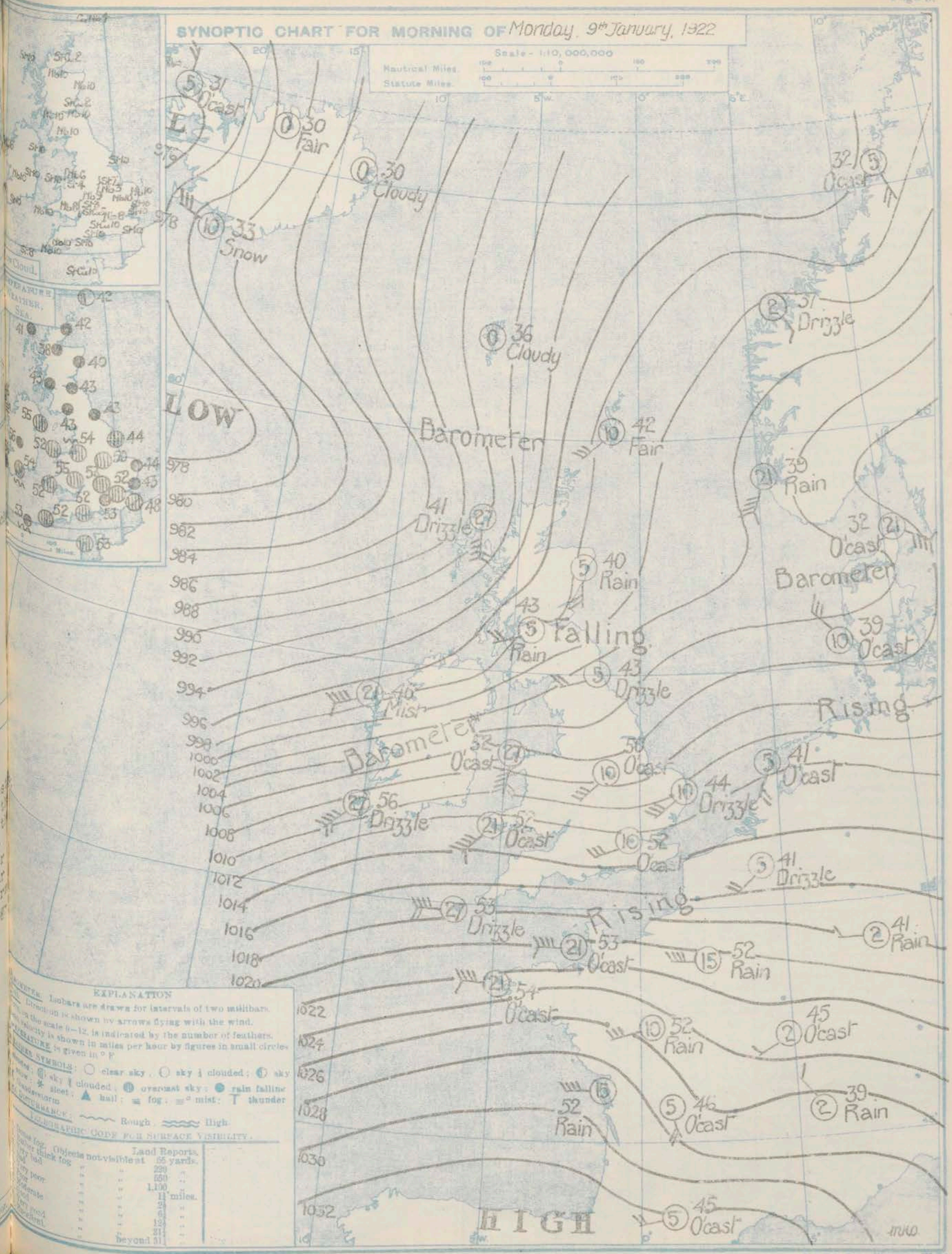
GENERAL INFERENCE.

A new depression is approaching Scotland from the West and strong Southwesterly winds are probable generally with mild, cloudy, unsettled weather.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Monday, 9th January, 1922.	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	Strong Southwesterly winds; much low cloud, some rain; visibility poor to moderate; mild.	Unsettled weather with Westerly winds for the next few days, temperature remaining high for the time of year over the Southern half of the Kingdom.
▼ 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	Winds from between South and West, strong to a gale at times; much low cloud but bright intervals, some rain; visibility moderate to good; rather mild.	▼ South Conc flying
19. S.E. Ireland 20. S.W. Ireland	Same as 1 - 10.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0905 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page


SYNOPTIC CHART FOR MORNING OF Monday, 9th January, 1922
Scale - 1:10,000,000
Nautical Miles
Statute Miles
LOW
HIGH
Barometer Falling
Barometer Rising
Barometer Rising
Barometer
Cloudy
Fair
Snow
Drizzle
Rain
Mist
O'cast
EXPLANATION
WEATHER, SEA.
Clear sky
Sky ½ clouded
Sky ¾ clouded
Overcast sky
Rain falling
Snow
Sleet
Hail
Fog
Mist
Thunderstorm
Thunder
DISTURBANCE
Rough
High
METEOROGRAPHIC CODE FOR SURFACE VISIBILITY.
Land Reports.
Objects not visible at 55 yards.
Very thick fog
Very poor
Poor
Moderate
Good
Very good
Excellent
beyond 31
H.M.S.O. Press, Kingsway, W.C.2

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4. BRITISH SECTION. Monday, 9th January 1922. No. 9

Observations at 0100 G.M.T. 9th / Observations at 0700 G.M.T. 9th

Stations	0100 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	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea 0-9	0700 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	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10
Lerwick	1002.2	+2	SW	2	b-	39	85	K	-	-	-	-	0	•	999.0	-3	SW	3	bc+	42	85	6	4000	Cu.Nb	4	-	4
Stornoway	1002.2	+2	-	0	c	•	•	3	•	•	•	•	•	•	999.3	-1	S	[illegible]	cd	41	92	5	450	St.	10	-	10
Wick	1003.7	+1	WSW	7	bc+	34	73	8	-	-	-	A.St	5	•	994.7	-6	S	4	o+	42	97	[illegible]	800	St.	10	-	10
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•	990.5	-6	SW	5	o/r	52	92	7	1500	St.	10	-	10
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•	995.0	•	[illegible]	1	cd₀	38	97	9	2500	Nb	10	-	10
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•	998.6	-6	S	2	[illegible]	40	97	5	[illegible]	Nb	10	-	10
Malin Head	999.5	0	SW	2	or₀r₀	47	97	6	4000	Nb	10	-	10	•	995.9	0	SW	3	or₀	53	97	6	4000	Nb	10	-	10
Renfrew														•	998.4	-8	WSW	2	o	43	77	5	[illegible]	Nb	10	-	10
Edinburgh (Inchkeith)	1003.6	+5	WSW	3	bc	45	92	7	-	Cu.Nb	3	A.Cu	5	•	997.6	-9	ESE	2	or	43	92	8	.	Nb	10	-	10
Eskdalemuir														•	1000.3	-3	S	3	orr	43	97	[illegible]	1500	Nb	10	-	10
Tynemouth	1006.4	+1	W	1	b	41	85	5	-	-	-	-	0	•	1002.5	-5	WSW	2	od-	43	92	6	5750	Nb	10	-	10
Blacksod Point														•	997.4	-9	WSW	5	mo+	45	85	4	450	St.Cu	10	-	10
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•	999.3	-3	W	3	o	55	91	8	2500	St.	10	-	10
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1004.?	•	WSW	5	or₀r₀	55	97	3	800	Nb	10	-	10
Baldonnell	1004.0	-3	SW	6	or	50	92	6	800	St.	10	-	10	•	1004.?	0	SW	6	cdcd₀	54	92	6	800	St.	10	-	10
Holyhead	1006.?	-1	SW	4	orr	*	*	6	800	St.	10	-	10	•	1006.?	+?	S'W	6	o/r	52	97	7	800	St.	10	-	10
Liverpool (Bidston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1005.0	-1	SW'W	6	c/r	54	85	8	2500	Nb	10	-	10
Chester (Shotwick)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1005.?	0	WSW	5	qr	56	75	7	12500	St.	9	A.St	10
Spurn Head	1008.8	+2	WSW	3	o	38	92	5	4000	St.Cu	9	-	9	•	1006.?	-2	SSW	4	o/r	44	97	6	1500	St.	10	-	10
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1007.8	•	SW	3	o-	50	97	5	800	Nb	9	-	9
Cranwell	1010.?	+1	SW'S	4	o	38	92	6	4500	St.	10	-	10	•	1008.1	-5	SW	5	o	50	92	6	~~[illegible]~~ 800	St.	10	-	10
Gorleston	1010.6	+1	WSW	3	b-	40	92	7	-	-	-	A.St	2	•	1010.9	0	SW	3	cdcd	42	92	6	1000	Nb	10	-	10
Pulham														•	1010.9	0	SSW	4	od₀	44	97	4	2500	Nb	10	-	10
Felixstowe														•	1013.3	0	SSW	3	cdcd	44	97	5	800	St.	10	-	10
Valencia (Cahirciveen)	1004.0	+1	SSW	5	od-	55	92	4	-	Nb	9	-	9	•	1008.4	+4	SW	6	od₀	56	85	6	1500	St.	10	-	10
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1010.3	+4	WSW	5	o	54	92	5	800	St.	10	-	10
Pembroke (St. Ann's H.)	1009.2	-2	WSW	5	d₀	53	92	7	1500	Nb	10	-	10	•	1012.5	+1	SW	5	qr	52	92	7	1500	Nb	10	-	9
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1011.4	+1	WSW	5	o	55	75	8	2500	Nb	8	Ci	10
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1012.6	+3	WSW	4	o/r	53	85	7	-	St.Cu	10	-	10
S. Farnborough	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1014.3	+4	W	4	or₀	53	92	7	1500	St.Cu	10	-	10
London (Kew Obsy.)	•	•	•	•	•	48	•	•	•	•	•	•	•	•	1013.6	+2	WSW	3	o/r	52	97	6	2500	Nb	8	A.St	10
Croydon	1013.8	+2	SSW	3	or₀	46	72	7	1500	Nb	10	-	10	•	1014.0	+2	SW'W	5	od₀d₀	54	85	7	800	Nb	10	-	10
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1012.1	0	SSW	2	or₀	43	97	5	2500	St.	10	-	10
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1012.5	0	SW	2	o/r	49	92	6	1500	St.Cu	10	-	10
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1012.8	0	SW	4	od₀	50	85	7	2500	St.Cu	7	A.St	10
Lympne	1013.8	+2	SW	4	cdcd₀	46	97	6	1500	Nb	10	-	10	•	1014.1	+1	WSW	4	o/r	50	97	6	2225	St.	10	-	8
Scilly (St. Mary's)	1015.4	+3	W	6	cd₀	54	97	6	450	St.	10	-	10	•	1017.7	+2	W	6	cd₀	53	97	6	1200	St.	8	-	10
Falmouth (Pendennis)	1016.?	+2	WSW	6	od₀	53	92	6	2500	Nb	10	-	10	•	1016.?	+3	WSW	7	o	52	92	5	2500	Nb	10	-	10
Plymouth (Cattewater)	*	*	*	*	*	*	*	*	*	*	*	*	*	•	1017.?	+5	SW	4	od+	53	97	7	450	Nb	10	-	10
Portland Bill	1013.0	+3	WSW	7	bqr	50	85	7	800	Cu	6	-	6	•	1015.4	+3	WSW	7	o+	52	85	7	450	St.	10	-	10
Southampton (Calshot)	1013.?	0	SSW	2	or₀	47	97	6	450	Nb	10	-	10	•	1015.7	+2	SW'W	4	cdcd	51	97	6	800	St.	10	-	10
Dungeness	1013.7	+3	WSW	[illegible]	or₀	45	97	6	-	-	-	A.St	10	•	1014.?	0	WSW	4	o/r	42	97	6	-	-	-	A.St	10
Jersey 7h / Guernsey 1h	1016.7	-3	SW	6	[illegible]	53	97	5	800	St.	10	-	10	•	1006.6	0	[illegible]	5	qr	53	7?	9	2000	St.Cu	10	-	10

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

Stations	Weather Forenoon	Weather Afternoon	Temperature Max. Day °F.	Temperature Min. Night °F.	Rainfall Night 17h.–9h. 7th–8th mm.	Rainfall Day 9h.–17h. 8th mm.	Sunshine Sunrise to Sunset 8th hr.	hr.
Banff	cbc	bcb	45	33	1	-	4.3	
Montrose	cbc	bc	47	32	2	•	5.2	
Llandudno	c	o	49	39	3	-	1.2	
Colwyn Bay	bc	bc	49	42	2	-	1.1	
Rhyl	bc.c	bc.c	50	38	2	-	2.0	
Southport	b.bcc	c.oc	47	38	5	-	2.8	
Blackpool	orco	co	48	38	8	-	3.0	
Harrogate	bc	bc	42	36	3	•	1.7	
Skegness	orc	co	51	34	4	0.4	2.6	
Aberystwyth	roc	co.o	48	43	4	-	0.0	
Bath	oc	oc	53	34	2	-	0.6	
Leamington Spa								
Lowestoft								
Felixstowe	om	bcom	51	?	-	-	1.0	
Southend	roc	co	54	38	2	0.3	0.8	

Stations	Weather Forenoon	Weather Afternoon	Temperature Max. Day °F.	Temperature Min. Night °F.	Rainfall Night 17h.–9h. 7th–8th mm.	Rainfall Day 9h.–17h. 8th mm.	Sunshine Sunrise to Sunset 8th hr.	hr.
Paignton	orqop	ocobc	55	40	[illegible]	[illegible]	0.0	
Ilfracombe	o	o	52	44	2	•	0.0	
Bude	o	c	52	39	3	•	0.0	
Penzance	od	odo	57	45	2	0.5	0.3	
Falmouth Observatory	do	o	54	43	4	1	0.8	
Torquay	ceic	o	56	43	1	—	0.8	
Weymouth	codc	cbc	54	41	0.6	0.1		
Bournemouth	ob	cbc	54	39	2	-	0.7	
Portsmouth (S'thsea)	o	o	54	39	1	-	0.8	
Worthing	o	o	53	39	3	•	0.0	
Brighton	ecpo	co	52	40	2	•	0.4	
Eastbourne	dor	do	52	41	5	0.4	0.0	
Hastings	omd	oco	52	40	4	0.6	0.1	
Folkestone								
Tunbridge Wells	obo	ococ	53	37	2	1	0.2	
Ramsgate	o	o	52	33	6	0.3	1.3	
Margate	o	c	56	36	3	0.1	0.7	
Deal	rod	bcc	54	40	3	1	0.5	

* 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 21,964 TUESDAY, 10th JANUARY 1922. Page 1.

Observations at 1300 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	Height of Low Cloud Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	987.0	-15	S	6	orr	43	92	5	2500	Nb	10	-	10	*
Stornoway	987.2	0	WSW	6	oPR	47	75	5	450	St	10	-	10	*
Wick	988.9	-2	SW	4	or	44	92	8	2500	Cu	8	A.St	10	*
Castlebay	990.0	+3	SW	5	o/pr₀	47	75	7	1500	St	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	992.6	-5	SW'S	3	bc/r	48	85	6	-	-	0	A.St	6	*
Malin Head	998.3	+2	WSW	4	or₀	48	97	6	4000	Nb	10	-	10	*
Renfrew	998.3	+1	SW	5	or₀r₀	49	92	5	800	Nb	10	-	10	*
Edinburgh (Inchkeith)	995.1	-3	WSW	5	odd	47	97	6	-	Nb	10	-	10	*
Eskdalemuir	998.4	-2	SSW	7	orr	51	97	4	450	Nb	10	-	10	*
Tynemouth	998.6	-3	SW	4	c-	56	75	6	2500	St	7	-	7	*
Blacksod Point	1003.1	+5	W	6	mo+	49	92	6	-	St.Cu	10	-	10	*
Donaghadee	1002.0	+2	SW	3	od	52	92	6	2500	St	10	-	10	*
Birr Castle	1005.9	*	SW	4	or₀r₀	55	92	6	450	St	10	-	10	*
Baldonnell	1004.1	-2	SW'S	7	or₀r₀	55	92	5	450	Nb	10	-	10	*
Holyhead	1006.9	0	SSW	6	o	53	97	7	1500	St	10	-	10	*
Liverpool (Bidston)	1006.6	-1	SW	6	o+	?	85	7	2500	Cu.Nb	9	-	9	*
Chester (Shotwick)	1006.7	-2	SW	5	o+	58	75	8	800	St	5	Ci.St	10	*
Spurn Head	1006.1	0	WSW	5	bc	54	85	6	1500	St	4	Ci	6	*
Nottingham	1008.7	*	SW	5	o+	55	85	6	1500	Nb	10	-	10	*
Cranwell	1008.7	-1	SW	7	o	55	85	7	1500	St.Cu	10	-	10	*
Gorleston	1010.9	0	W	5	o	55	75	6	2500	St	2	A.St	10	*
Pulham	1011.6	0	SW'W	5	o/r	55	85	7	2500	St.Cu	10	-	10	*
Felixstowe	1014.6	0	WSW	4	o	55	75	8	450	St.Cu	7	A.St	10	*
Valencia (Cahirciveen)	1008.5	-1	SW	7	od₀	55	85	7	1500	St	7	A.St	10	*
Roches Point	1010.7	0	SW	6	o	54	92	7	800	Nb	10	-	10	*
Pembroke (St. Ann's H.)	1014.1	-1	W	7	mmo	52	97	6	1500	Nb	10	-	10	*
Ross-on-Wye	1013.1	-1	SW'W	5	c-	55	85	8	4000	Cu	7	Ci	8	*
Benson	1014.3	+1	WSW	5	o	55	75	8	-	Cu	10	-	10	*
S. Farnborough	1016.3	0	W'S	5	o	55	92	8	800	St.Cu	9	A.St	10	*
London (Kew Obsy.)	1015.3	-1	WSW	4	od₀	55	85	8	2500	St.Cu	8	A.St	10	*
Croydon	1016.2	0	WSW	5	o/r	55	85	7	800	St.Cu	10	-	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1014.8	+2	W'S	2	o	55	75	8	1500	St.Cu	8	A.St	10	*
Grain	1015.6	+2	SW	5	o	54	85	7	1500	St.Cu	10	-	10	*
Lympne	1016.9	0	SW	4	o	52	92	5	450	St	10	-	10	*
Scilly (St. Mary's)	1019.3	0	WSW	6	o	55	92	6	4000	St.Cu	10	-	10	*
Falmouth (Pendennis)	1020.4	0	WSW	9	o	54	75	5	2500	Nb	10	-	10	*
Plymouth (Cattewater)	1019.4	0	SW	5	od₀	54	97	8	1500	Nb	10	-	10	*
Portland Bill	1018.6	+3	WSW	7	o	53	85	7	450	St	10	-	10	*
Southampton (Calshot)	1018.0	+1	WSW	4	o	52	92	8	800	St	10	-	10	*
Dungeness	1017.0	+2	WSW	5	o	49	92	7	-	-	0	A.St	10	*
Jersey	1023.7	0	W	5	o/r	54	92	8	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	Height of Low Cloud Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	982.3	+1	WSW	8	b-	45	75	7	5750	Cu	1	A.Cu	3	6
Stornoway	992.2	+5	W	6	bcPR	42	75	5	4000	Cu	4	-	4	4
Wick	991.6	+4	SW	5	b/r	49	85	9	2500	Cu.Nb	2	-	2	4
Castlebay	1000.0	+5	W	6	oj	45	75	7	800	St	10	-	10	7
Nairn	995.6	*	W	1	bc/r	42	85	8	1500	St	5	-	5	*
Aberdeen	995.9	+5	WSW	4	bc	44	75	7	-	-	0	Ci.St	6	0
Malin Head	1003.0	+6	W	4	bc/r	48	92	6	4000	Cu	3	A.Cu	6	2
Renfrew	1002.2	+6	WSW	4	or₀	46	85	6	1500	St.Cu	10	-	10	
Edinburgh (Inchkeith)	998.8	+7	WSW	5	o/r	46	75	7	-	-	0	A.Cu	9	
Eskdalemuir	1004.0	+5	SW	4	o/r	44	85	7	1500	St.Cu	6	A.St	10	*
Tynemouth	1001.4	+4	W	5	b/r	47	85	7	-	-	0	-	0	3
Blacksod Point	1009.3	+9	W	5	opr₀	46	85	5	-	St.Cu	9	-	9	4
Donaghadee	1006.5	+6	SW	3	o+	47	85	7	-	-	0	A.St	10	2
Birr Castle	1010.5	*	SW	2	cr₀	47	97	5	4000	Nb	8	-	8	*
Baldonnell	1010.0	+7	SW'W	4	o/r	48	97	6	800	St	10	-	10	*
Holyhead	1009.6	+5	SW	4	orr	49	97	6	800	St	10	-	10	4
Liverpool (Bidston)	1008.1	+5	W	5	odd	48	92	?5	1500	Nb	10	-	10	5
Chester (Shotwick)	1007.2	+3	WSW	6	od₀	56	75	7	800	St	10	-	10	*
Spurn Head	1008.1	0	WSW	6	o	54	85	7	4000	St.Cu	9	-	9	4
Nottingham	1008.9	*	WSW	6	or₀	54	85	5	1500	Nb	10	-	10	*
Cranwell	1009.3	0	SW'W	6	o	55	85	7	800	St.Cu	10	-	10	*
Gorleston	1012.0	0	W	5	c-	55	75	8	-	-	0	Ci.Cu	8	9
Pulham	1012.4	+1	SW	6	c ~~o+~~	54	85	7	-	-	*	Ci.St	8	*
Felixstowe	1015.6	+2	SW'W	5	o-	54	92	8	4000	St.Cu	9	-	9	1
Valencia (Cahirciveen)	1014.4	+7	WNW	3	o/r	50	92	7	1500	St	10	-	10	6
Roches Point	1013.7	+5	W	2	o	51	97	8	2500	Nb	10	-	10	6
Pembroke (St. Ann's H.)	1013.4	0	WSW	7	mmo	52	97	6	1500	Nb	10	-	10	6
Ross-on-Wye	1013.2	0	WSW	6	od₀	53	85	8	2500	St.Cu	9	-	9	*
Benson	1015.7	+1	WSW	5	o	53	85	8	-	Cu	10	-	10	*
S. Farnborough	1017.3	+3	W'S	5	o	53	85	7	1500	St.Cu	9	-	9	*
London (Kew Obsy.)	1016.6	+2	WSW	4	c-	54	85	8	4000	St.Cu	7	-	7	*
Croydon	1017.0	+2	WSW	6	o	54	85	7	800	St	10	-	10	*
Clacton-on-Sea	1014.9	+2	WSW	4	o+	51	85	6	2500	Cu	10	-	10	0
Shoeburyness	1016.6	+2	SW'W	4	c/r	54	75	7	2500	Cu	7	-	7	*
Grain	1016.4	+2	SW	5	c-	53	85	7	1500	St.Cu	8	-	8	3
Lympne	1017.7	+2	SW	5	o	51	97	6	450	St	9	A.St	10	*
Scilly (St. Mary's)	1019.2	0	WSW	6	o	54	97	7	4000	St.Cu	10	-	10	7
Falmouth (Pendennis)	1018.9	0	WSW	8	o	54	85	5	2500	St	10	-	10	2
Plymouth (Cattewater)	1020.2	+1	SW	5	od+	53	92	7	450	Nb	10	-	10	4
Portland Bill	1018.9	+1	WSW	8	o	53	85	6	450	St	10	-	10	6
Southampton (Calshot)	1019.1	+2	WSW	5	od₀	52	85	7	800	Nb	10	-	10	3
Dungeness	1018.0	+1	WSW	6	o	49	97	7	-	-	0	A.St	10	6
Jersey	1024.6	0	W	5	o/r	54	85	8	4000	St.Cu	10	-	10	3

LONDON OBSERVATIONS. 24 Hours ended 0900 G.M.T. 10th

London Observations	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. °F.	Temp. Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)
Kew	o/d₀	o.c	or₀c d₀	*	*	44	-	1	0.0	*	*
Croydon (24 hours ended 0700)	od₀ rm	o.q	or₀ w	*	*	44	tr	1	0.0	*	*
Greenwich (Royal Obsy.)	o	o.b.r₀	o. or₀ rm	56	49	46	-	2	0.0	81	84
City (Bunhill Row)	*	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James' Pk.)	*	*	*	54	49	45		1	0.0	81	56
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*	0.0	*	-
Camden Sq. (Brit. Rainfall)	o	c	*	56	48	45	-	2	*	80	88
Kensington Palace	o	o	*	56	49	44	-	1	*	86 (18h)	94
Hampstead Observatory	*	*	*						0.0	*	

ATMOSPHERIC POLLUTION. Milligrams of Solid impurity per cubic metre. 24 Hr. ended 1800 G.M.T. 9th

South Kensington Max.	Time.	Min.	Time.
1.0 / 0.6	1800 8th / 0900 9th	<0.3	0100 9th

Kew Observatory Max.	Time.	Min.	Time.
0.6 / 0.6	1800 8th / 0800 9th	<0.3	0300 to 0500 9th

SOLAR RADIATION. Vertical component per square centimetre. During yesterday. South Kensington. Total .... joules. Average Rate .... Milliwatts. Maximum Rate .... Milliwatts.

POLE STAR RECORD at Greenwich Obsy. Exposure from 9th 17 h. 15 m. to 10th 7 h. 0 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	13.45	1.45	13
δ Ursæ Minoris	13.45	1.4	8

RADIO DISTURBANCES (Atmospherics) AT CROYDON.*

Time.	Type.	No. per 4 secs.	Stren.	Direc.
15h.	-	-	-	-
18h.	-	-	-	-
9h.	-	-	-	-
17h.	-	-	-	-

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 10th & 11th JANUARY 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8.3 / 8.2	12.1 / 12.1	3.59 / 4.0
Greenwich	8.5 / 8.4	12.8 / 12.8	4.11 / 4.12
Wick	8.58 / 8.57	12.20 / 12.20	3.42 / 3.43
Valencia	8.48 / 8.47	12.49 / 12.49	4.50 / 4.51

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow 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 ₀ 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.

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

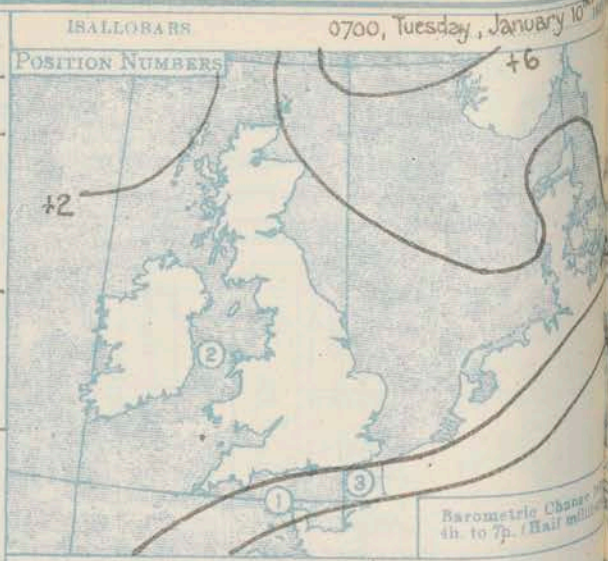
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

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

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	Weather. 7h.-13h. 9th	Weather. 13h.-18h. 9th	Weather. 18h. 9th to 1h. 10th	Weather. 1h.-7h. 10th	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. Hours.
Lerwick	r or d	c	p	b. bc	46	36	•	3	3	<0800	<2100	•
Stornoway	p	p	b. bc	p	48	36	•	6	5	<0800	<2100	0·0
Wick	oirq	oir	bc. jrs	bc. irl	45	34	•	1	2	<0800	<2100	•
Castlebay	op	opco	obcl-b	b.c. op	52	40	•	Trace	1	-	-	0·0
Nairn	p	p	pq		48	35	•	2	1	1230	-	0·0
Aberdeen	r. bcm	bcimb	b. bc		49	36	28	0·5	-	<0800	-	1·9
Malin Head	hir	hir	oqP	oq PA	53	40	•	1	4	<0800	<2100	0·0
Renfrew	omddir	oprm	op. b. o		52	38	33	6	2	<0800	<2100	0·0
Edinburgh (Inchkeith)	r or d	oo	b. bc	p	51	39	36	3	0·4	1430	-	•
Eskdalemuir	orr	rro	op	oop. s. c	50	35	32	18	6	<0800	<2100	0·0
Tynemouth	oom	p. q	b. bcq	b. bcq	56	41	7	0·3	-	1530	-	•
Blacksod Point	r or d	p		p	54	42	•	4	2	1230	2·30	•
Donaghadee	omqd	cod.	bc	bc	54	39	•	2	-	1100	-	•
Birr Castle	or. r.	or. r.	c. ir	bc	56	39	33	5	0·2	<0800	<2100	0·0
Baldonnell	or. r. q	oddir	ro	b. bc	55	41	34	3	-	<0800	-	0·0
Holyhead	oo	or	oir. o. c	c	54	46	45	1	3	1630	<2100	0·0
Liverpool (Bidston)	c	r or d	b. bc		55	43	39	0·5	5	1630	4·30	0·4
Chester (Shotwick)	oidoo	oidoq	opr q		58	?44	43	Trace	0·2	0900	<2100	•
Howden												
Spurn Head	b or bc	c	r. d	b. bc	54	42	•	Trace	0·3	<0800	2200	•
Nottingham	oo	oo	ir	c	57	43	38	Trace	3	1730	<2100	0·0
Cranwell	oo	oo	r. d	c	56	41	38	-	0·6	-	2400	0·0
Gorleston	oo	oo	oq IR	r. d	56	46	40	0·2	3	<0800	2400	0·0
Pulham	oo	c	r or d		55	45	39	Trace	3	<0800	<2100	0·0
Felixstowe	oo	oo	r. d		55	44	44	0·1	1	<0800	2·30	0·0
Valencia (Cahirciveen)	od.	oir	od. o	o. bc	56	44	41	2	1	<0800	<2100	0·0
Roches Point	p. p. p.	d. d	p		55	46	•	1	0·5	<0800	<2100	•
Pembroke (St. Ann's H.)	om id.	oqidm	oid. m	oo	53	48	•	0·6	0·4	0900	<2100	0·0
Ross-on-Wye	oq	coqoq	oq r. q	oq. o	56	44	43	-	0·5	-	<2100	0·5
Benson	p. o	oo	oir	oir	56	47	45	0·1	0·4	-	22·00	•
S. Farnborough	r or d	oo	r. d		55	47	46	Trace	1	<0800	01·30	0·0
London (New Obsy.)	oid.	oc	oq	oqr. d.	56	49	47	-	1	-	2·30	0·0
Croydon	ad. m	oq	oq. ψ ◐	oq r.	55	49	47	Trace	1	<0800	3·30	0·0
Clacton-on-Sea	oq	ocm	cm. oq	oqr	53	45	43	-	2	-	3·30	0·0
Shoeburyness	oo	p	r. d		56	48	47	0·1	2	1630	-	0·0
Grain	oo	oo	r. d		54	47	43	Trace	2	<0800	3·30	0·0
Lympne	oo	oo	oo	oorr	52	49	48	-	2	-	4·30	0·0
Scilly (St. Mary's)	oo	oo	om r. d	om	55	53	•	-	3	-	2200	0·1
Falmouth (Pendennis)	omd	om	ompd	omd	55	50	•	-	1	-	3·30	0·1
Plymouth (Cattewater)	r or d	r or d	r. d		54	50	49	0·3	1	<0800	<2100	0·0
Portland Bill	oo	oo	r. d	oo	54	50	•	-	1	-	3·30	•
Southampton (Calshot)	f or m	oo	r. d	r. d	53	48	46	0·1	1	<0800	<2100	0·0
Dungeness	oo	oo	oo	rr im	49	48	•	-	1	-	1·30	•
Jersey	od. o	od. o	o. c. o	o	55	52	•	0·1	-	0900	-	0·0



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea
2	9th 1000	CAMBRIA	SSW	6	0	54	52
3	9th 0300	ARUNDEL	W	3	4r	50	48
3	10th 0300	BRIGHTON	WSW	6	0r	51	45

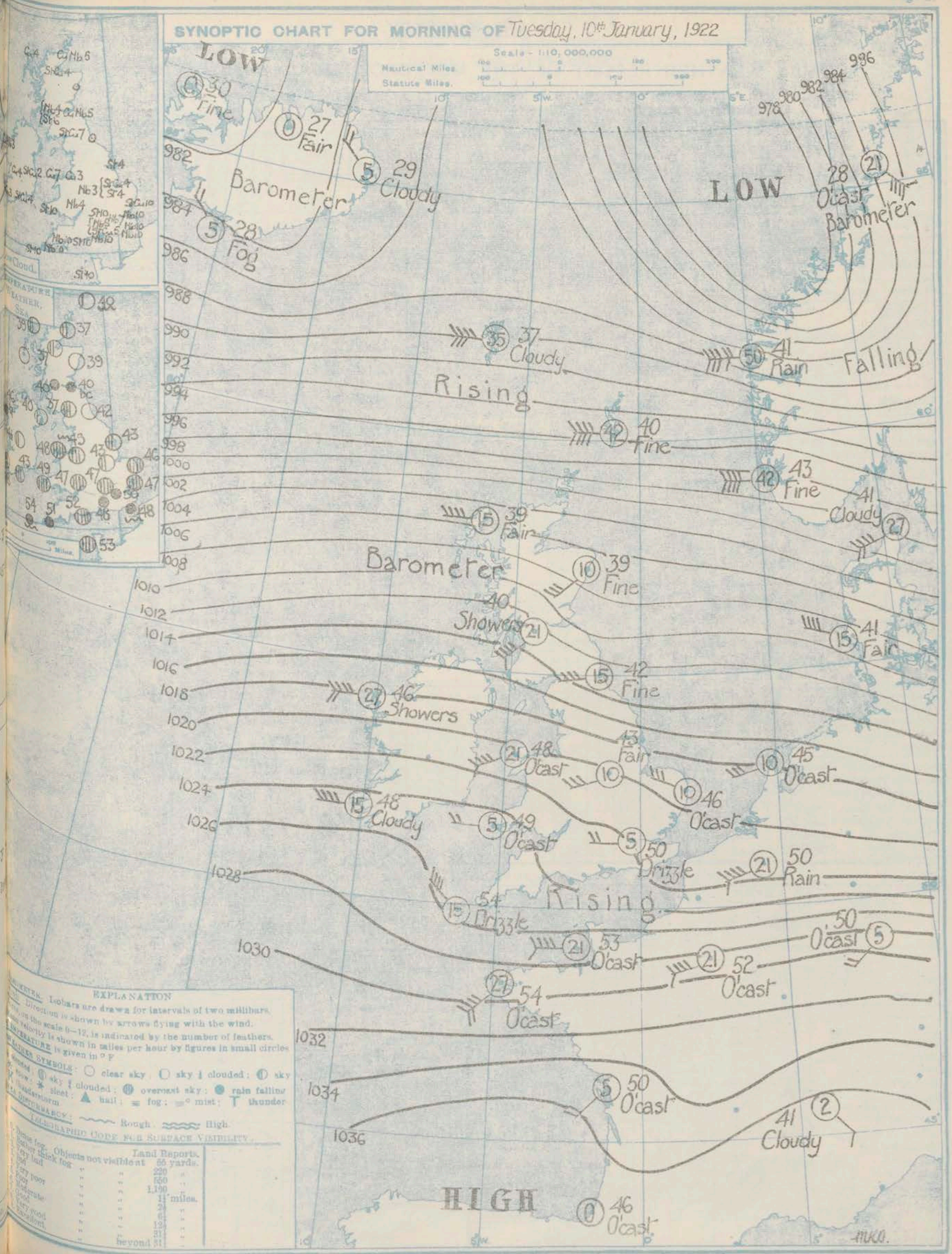
GENERAL INFERENCE.

The general distribution of pressure is unchanged. Westerly winds will continue, light to moderate in the South but strong in the North, with cloudy, mild, unsettled weather.

Districts.	Forecasts for the 24 hours commencing 15h G.M.T. Tuesday, 10th January, 1922.	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 Westerly winds; much low cloud, some bright intervals; occasional light rain; visibility moderate to good; mild.	Westerly or South-Westerly winds, generally mild and unsettled for the next few days.
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	Moderate to fresh Westerly winds; much low cloud, occasional bright intervals; some rain; visibility mainly good; rather mild.	
19. S.E. Ireland 20. S.W. Ireland	SAME AS 1 - 6.	

E.W.N.

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 09.20. G. C. SIMPSON, F.R.S., Director.



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

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION Tuesday 10th January 1922. No. 10

Observations at 0100 G.M.T. 10th

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)	Height of Low Cloud (Feet)	Low Cloud Form.	Low Cloud Amt. (0-10)	Upper Form.	Total Amt. (0-10)	Sea (0-9)
Lerwick	9855	+5	WSW	9	cPR	41	85	6	4000	Cu Nb	8	-	8	*
Stornoway	1005·3	+6	W	4	bc	*	*	6	*	*	*	*	*	*
Wick	999·7	+1	WNW	7	bcrs	35	92	8	2500	Cu Nb	5	-	5	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1011·0	+3	WSW	4	bcPR	43	97	7	4000	Cu Nb	6	-	6	*
Renfrew														
Edinburgh (Inchkeith)	1007·8	+10	SW	4	b	41	85	8	+	St Cu	1	-	1	*
Eskdalemuir														
Tynemouth	1009·4	+5	W	4	b	·45	75	7	-		0	-	0	*
Blacksod Point														
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1017·0	+6	SW	4	b	43	85	7	1500	St	1	A St	3	*
Holyhead	1016·5	+4	WS	4	c/T	*	*	8	-		0	A Cu	8	*
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Sholwick)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1013·1	+4	W	4	b	46	85	6	4000	Cu Nb	1	-	1	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1015·9	+6	W	3	o/r	44	92	7	1500	Nb	10	-	10	*
Gorleston	1015·4	+3	SWW	5	or	54	85	6	4000	Nb	10	-	10	*
Pulham														*
Felixstowe														*
Valencia (Cahirciveen)	1019·6	+2	WNW	3	co	49	92	6	*	*	*	*	*	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1019·9	+4	W	3	o	50	92	3	2500	St	10		10	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	*	*	*	*	*	55	*	*	*	*	*	*	*	*
Croydon	1018·4	+1	SW	6	o	54	85	8	800	Nb	10	-	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1019·7	+2	SW	8	o	51	92	6	800	St	10	-	10	*
Scilly (St. Mary's)	1022·5	+2	WSW	6	od	54	97	6	1500	St	10	-	10	*
Falmouth (Pendennis)	1022·5	+4	W	8	od	53	92	5	2500	Nb	10		10	*
Plymouth (Cattewater)														*
Portland Bill	1019·9	0	WSW	8	or	51	85	6	450	St	10		10	*
Southampton (Calshot)	1020·6	+1	WSW	5	o/r	52	97	7	1500	St	10		10	*
Dungeness	1019·0	0	WSW	6	o	49	94	7	-	-	0	A St	10	*
Jersey Th / Guernsey Th	1024·5	+1	WSW	6	od	52	92	5	800	St	10	-	10	*

Observations at 0700 G.M.T. 10th

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)	Height of Low Cloud (Feet)	Low Cloud Form.	Low Cloud Amt. (0-10)	Upper Form.	Total Amt. (0-10)
Lerwick	995·2	+6	W	8	b	40	75	6	-	-	0	A Cu	3
Stornoway	1004·2	+1	W	4	bc	39	85	7	4000	Cu	4	-	4
Wick	1003·3	+3	WSW	3	bcr	37	85	9	2500	Cu Nb	5	-	6
Castlebay	1009·6	+1	W	5	cph	43	92	7	800	Cu Nb	8	-	8
Nairn	1006·6	*	W	2	bc	37	85	6	4000	St Cu	4	-	4
Aberdeen	1007·2	+1	SWW	3	b	39	75	7	-	-	0	-	0
Malin Head	1012·9	+3	W	4	cPR	44	97	7	4000	Cu Nb	7	-	7
Renfrew	1013·0	+2	SW	5	cpr	40	85	5	2500	Nb	10	-	10
Edinburgh (Inchkeith)	1010·0	+3	WSW	5	bcpr	40	85	8	*	Cu Nb	5	-	5
Eskdalemuir	1015·0	+1	SSW	4	c	37	85	6	2500	St Cu	7	-	7
Tynemouth	1013·5	+2	WS	4	b	42	85	7	-	-	0		0
Blacksod Point	1018·0	?	W	6	bbr	46	75	5	6750	Cu Nb	3	-	3
Donaghadee	1016·2	+3	W	2	b	40	85	7	-	-	0	A Cu	3
Birr Castle	1021·0	*	SW	1	bc	41	97	2	2500	Cu	4	-	4
Baldonnell	1020·3	+3	SWS	4	b	42	85	6	2500	St Cu	2	-	2
Holyhead	1020·2	+2	WSW	5	g+	48	85	8	2500	Cu	7	A St	7
Liverpool (Bidston)	1019·2	+3	WS	3	bc	45	85	7	4000	Cu	3	A St	7
Chester (Sholwick)	1018·8	+5	W	2	bc+	46	75	6	1500	St	2	A St	4
Spurn Head	1017·5	+3	WSW	4	bc	43	85	6	1500	St	4	A Cu	6
Nottingham	1020·5	*	WSW	3	bc	46	85	5	1500	Nb	3	Ci	5
Cranwell	1019·9	+2	WS	4	c	43	92	7	2500	St Cu	8	-	8
Gorleston	1019·0	+5	WN	3	o/r	46	92	8	-	-	0	A St	10
Pulham	1019·9	+3	-	0	o/r	45	97	4	-	-	-	A St	10
Felixstowe	1021·0	+4	WSW	2	o/r	46	97	7	4000	St Cu	10	-	10
Valencia (Cahirciveen)	1024·3	+3	W	4	bcpr	48	75	8	2500	St Cu	3	A St	6
Roches Point	1024·1	+3	NW	1	bc	46	92	8	4000	St Cu	4	Ci St	6
Pembroke (St. Ann's H.)	1024·4	+3	W	2	o	49	92	9	2500	St	10	-	10
Ross-on-Wye	1021·8	+3	WSW	2	o	47	75	8	2500	Nb	12	A St	10
Benson	1022·2	+3	W	2	o/r	47	85	7	*	St	10	-	10
S. Farnborough	1022·6	+2	W	2	od	48	97	7	2500	Nb	10	-	10
London (Kew Obsy.)	1021·8	+3	W	2	od	50	92	7	1500	Nb	7	A St	10
Croydon	1021·8	+3	WSW	3	or	49	92	7	800	Nb	10		10
Clacton-on-Sea	1020·5	+3	W	2	o/r	47	97	7	-	-	0	A St	10
Shoeburyness	1021·4	+3	WSW	1	odd	49	85	5	450	Nb	10		10
Grain	1021·6	+4	W	4	orr	48	85	7	1500	Nb	10	-	10
Lympne	1022·1	+2	WSW	3	orr	50	97	7	800	Nb	10		10
Scilly (St. Mary's)	1025·6	+2	NW	4	[illegible]	54	97	6	800	St	10	-	10
Falmouth (Pendennis)	1024·7	+2	SW	3	odd	51	92	5	2500	Nb	10		10
Plymouth (Cattewater)	1024·2	+3	SW	3	od+	50	97	7	1500	Nb	10		10
Portland Bill	1023·0	+3	W	5	o/r	52	85	7	450	St	10	-	10
Southampton (Calshot)	1023·2	+3	WNW	3	orr	49	92	7	800	Nb	10	-	10
Dungeness	1021·7	+3	WSW	4	orr	48	97	5	4000	Nb	10	-	10
Jersey Th / Guernsey Th	1026·9	0	W	5	o	53	92	8	1500	St	10	-	10

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 9th JANUARY

Stations	Weather Fore-noon	Weather After-noon	Temp. Max. Day °F.	Temp. Min. Night °F.	Rainfall† Night 18h.-9h. 8th-9th (mm.)	Rainfall† Day 9h.-18h. 9th (mm.)	Sunshine Sunrise to Sunset 9th (hr.)	Sunshine Sunrise to Sunset (hr.)
Banff	ocbc	bcc	50	31	3	-	1·0	
Montrose	o	c	49	32	4	0·2	0·5	
Llandudno	ocq	qco	56	46	0·2	-	0·0	
Colwyn Bay	bc	cbc	58	42	-	-	2·2	
Rhyl	cbc	bcc	58	45	0·1	-	2·4	
Southport	o	or	56	44	0·6	0·8	0·0	
Blackpool	oc	ou	52	44	2	-	0·0	
Harrogate	oc	ocbc	55	40	2	-	0·0	
Skegness	o	o	57	?	0·6	-	0·0	
Aberystwyth	roc	o	53	46	2	-	0·0	
Bath	do	o	56	47	2	1	0·0	
Leamington Spa	c	c	57	?	2	-	?	
Lowestoft	o	oc	55	40	0·3	-	0·1	
Felixstowe	oz	ogm	55	41	0·5	-	0·0	
Southend	o	o	54	42	0·9	-	0·0	
Paignton	ooq	ooq	55	49	0·3	trace	0·0	
Ilfracombe	od	oz	54	47	7	1	0·0	
Bude	mdoe	doe	54	49	1	0·8	0·0	
Penzance	od c	o	55	50	1	0·2	0·0	
Falmouth Observatory	oqd	oq	54	50	2	0·3	0·0	
Torquay	o	odod	56	50	0·1	-	0·0	
Weymouth	o	o	54	44	0·8	-	0·0	
Bournemouth	c	o	53	48	3	-	0·9	
Portsmouth (S'thsea)	o	o	54	47	3	-	0·0	
Worthing	o	o	51	47	3	-	0·1	
Brighton	o	o	50	47	5	-	0·0	
Eastbourne	o	odo	52	47	6	0·1	0·0	
Hastings	oe	oe	53	46	4	-	0·0	
Folkestone	b	o	55	42	0·7	0·2	0·0	
Tunbridge Wells	odo	o	54	45	2	-	0·0	
Ramsgate	o	o	54	44	0·4	-	0·0	
Margate	o	o	56	46	0·2	-	0·0	
Deal	oc	bcc	54	46	1	-	0·0	

* 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. B21465. WEDNESDAY, 11th JANUARY, 1922.

Observations at 1300 G.M.T. 10th

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	Height of Low Cloud Feet	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea 0-9
Lerwick ...	999.2	+2	W	6	c/th	33	85	7	2500	CuNb	7	-	7	*
Stornoway ...	1007.1	+3	W	5	bcR	40	85	7	4000	CuNb	5	-	5	*
Wick ...	1005.3	+2	WSW	4	cR	38	85	7	2500	CuNb	7	-	7	*
Castlebay ...	1013.7	+5	W	6	oPH	43	85	6	800	Nb	10	-	10	*
Nairn ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen ...	1009.9	+2	WSW	4	b	41	75	8	-	-	0	-	0	*
Malin Head ...	1016.6	+3	W	4	cPH	46	92	4	4000	CuNb	4	-	4	*
Renfrew ...	1016.0	+4	WSW	5	or	40	92	6	1500	Nb	9	-	9	*
Edinburgh (Inchkeith)	1012.5	+4	W	5	bc	42	85	7	-	CuNb	6	-	6	*
Eskdalemuir ...	1017.9	+3	W	4	oPRS	37	85	6	800	Nb	10	-	10	*
Tynemouth ...	1015.4	+2	W	5	b	45	75	7	4000	Cu	3	-	3	*
Blacksod Point ...	1005.4	0	NW'W	6	bpr₀	47	75	8	2500	Cu	3	-	3	*
Donaghadee ...	1020.4	+5	W	2	b	4[illegible]	75	7	-	-	0	Ci Cu	3	*
Birr Castle ...	1025.7	*	W	1	bc+	[illegible]	92	7	4000	St Cu	6	-	6	*
Baldonnell ...	1024.9	+4	SW'W	5	b-	45	85	6	1500	St Cu	2	-	2	*
Holyhead ...	1024.0	+3	W'S	6	b	49	85	8	-	-	0	Ci	1	*
Liverpool (Bidston) ...	1022.6	+4	W'S	6	b	46	75	8	2500	St Cu	2	-	2	*
Chester (Shotwick) ...	1022.2	+3	W	5	b/r	49	55	9	-	-	0	A Cu	1	*
Spurn Head ...	1014.2	+2	W	5	b	45	92	5	-	-	0	-	0	*
Nottingham ...	1022.5	*	W	4	bc	47	65	6	2500	Cu	4	Ci	5	*
Cranwell ...	1022.3	+2	W	5	b	46	75	6	-	-	0	Ci St	3	*
Gorleston ...	1022.2	+1	WNW	4	b	47	75	6	-	-	0	A St	10	*
Pulham ...	1022.5	+3	W'S	4	b	47	75	6	4000	St	7	A St	9	*
Felixstowe ...	1023.3	+2	WNW	4	b-	49	75	8	-	-	0	A St	9	*
Valentia (Cahirciveen)	1024.5	+5	WNW	4	bc-	49	75	9	2500	St Cu	4	A Cu	5	*
Roches Point ...	1023.3	+3	W	3	bc	49	75	8	4000	Cu	2	Ci	4	*
Pembroke (St. Ann's H.)	1025.5	+3	NW	3	bc	50	85	8	4000	Cu	6	-	6	*
Ross-on-Wye ...	1025.0	+3	W'N	3	bc-	50	65	8	4000	Cu	2	Ci	4	*
Benson ...	1024.9	+3	WNW	3	b-	50	65	8	-	Cu	1	Ci	5	*
S. Farnborough ...	1025.7	+3	W'S	2	b-	50	75	7	-	-	0	A Cu	5	*
London (Kew Obsy.) ...	1025.1	+3	WNW	4	b/r	50	65	[illegible]	-	-	0	Ci	2	*
Croydon ...	1024.9	+3	W	3	-	51	65	6	2250	St Cu	1	Ci	3	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness ...	1024.[illegible]	+2	NW	3	bc+	50	65	7	4000	St Cu	1	Ci Cu	4	*
Grain ...	1026.5	+3	WNW	4	bc-	50	75	6	-	-	0	A Cu	5	*
Lympne ...	1024.7	+3	W'N	4	b	48	85	7	4000	St Cu	5	A St	9	*
Scilly (St. Mary's) ...	1027.9	+4	NNW	4	c-	53	92	8	4000	St Cu	8	-	8	*
Falmouth (Pendennis)	1027.7	+4	SW	4	b/r	52	85	6	2500	Cu	5	-	5	*
Plymouth (Cattewater)	1026.5	+1	WSW	2	od₀	53	92	7	450	Nb	10	-	10	*
Portland Bill ...	1026.4	+3	W	4	b-	52	85	7	-	-	0	A Cu	3	*
Southampton (Calshot)	1026.6	+2	W'N	3	o/r	55	85	6	4000	St Cu	4	A Cu	9	*
Dungeness ...	1024.9	+3	WSW	3	c/r	47	97	8	-	-	0	A St	8	*
Jersey ...	1029.0	0	NW	4	b	50	92	8	1500	St	10	-	10	*

Observations at 1800 G.M.T. 10th

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	Height of Low Cloud Feet	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea 0-9
Lerwick	998.5	+1	W	6	bcps	38	75	7	4000	CuNb	6	-	6	5
Stornoway	1010.5	+4	W	6	bcPH	40	75	7	4000	CuNb	5	-	5	5
Wick	1006.7	+2	WNW	3	cR	35	92	8	2500	CuNb	7	-	7	3
Castlebay	1016.1	+4	WNW	6	b/s	43	85	7	1500	St	2	-	2	7
Nairn	1010.8	*	WSW	3	c/r	38	92	8	1500	St	8	-	8	*
Aberdeen	1011.9	+4	W	4	b	39	75	8	4000	St Cu	1	-	1	0
Malin Head	1019.4	+2	W	4	cPR	44	97	7	4000	CuNb	7	-	7	4
Renfrew	1017.8	+3	WSW	5	cr	41	85	6	1500	Nb	7	-	7	*
Edinburgh (Inchkeith)	1012.7	+3	WSW	5	bcps	41	85	7	-	CuNb	5	-	5	5
Eskdalemuir	1019.8	+2	WSW	5	or	38	85	6	800	Nb	10	-	10	*
Tynemouth	1018.7	+3	WSW	4	b/r	43	75	7	-	-	0	-	0	1
Blacksod Point	?	?	WNW	5	bcps	47	65	6	2500	CuNb	6	-	6	4
Donaghadee	1023.3	+4	W	3	b	42	75	7	-	-	0	A Cu	1	3
Birr Castle	1028.2	*	W	1	c+	~~43~~	85	5	4000	St Cu	8	-	8	*
Baldonnell	1027.3	+3	SW	5	b	42	85	7	-	-	0	A St	1	*
Holyhead	1027.1	+3	WSW	6	bc+	46	85	8	2500	Cu	5	Ci	6	4
Liverpool (Bidston)	1025.9	+2	W	3	oc+	44	85	8	-	-	0	A Cu	4	6
Chester (Shotwick)	1025.2	+5	W	3	b	45	65	8	4000	Cu	1	Ci St	2	*
Spurn Head	1020.0	+2	W	7	b	44	85	6	-	-	0	-	0	3
Nottingham		*							-	-	0	-	0	*
Cranwell	1025.1	+3	W'N	5	b	42	75	7	-	-	0	Ci	1	*
Gorleston	1024.4	+3	W	3	b-	43	75	7	-	-	0	-	0	0
Pulham	1025.6	+4	W'S	4	b	43	75	8	-	-	0	-	0	*
Felixstowe	1026.7	+5	W	3	b-	43	~~85~~ 92	8	-	-	0	Ci	1	1
Valentia (Cahirciveen)	1032.4	+4	WNW	4	b-	47	65	8	2500	St Cu	2	-	2	6
Roches Point	1031.4	+4	NW	2	b	45	85	8	-	-	0	-	0	1
Pembroke (St. Ann's H.)	1030.6	+4	NW	3	bc	48	85	8	4000	Cu	4	-	4	4
Ross-on-Wye	1028.5	+4	SW	2	bc+	45	75	8	4000	St Cu	5	-	5	*
Benson	1028.4	+3	WNW	1	b-	43	85	7	-	-	0	-	0	*
S. Farnborough	1028.7	+4	W	1	b	41	97	8	-	-	0	-	0	*
London (Kew Obsy.)	1027.4	+4	WSW	2	b	~~[illegible]~~	85	4	-	-	0	-	0	*
Croydon	1028.0	+4	WSW	3	b-	45	85	6	-	-	0	-	0	*
Clacton-on-Sea	1026.5	+3	WNW	3	b-	45	75	7	-	-	0	A St	2	0
Shoeburyness	1029.0	+3	NW	1	b-	43	75	6	-	-	0	-	0	*
Grain	1027.7	+4	WSW	3	b-	42	85	6	-	-	0	-	0	0
Lympne	1028.4	+6	WSW	4	b-	42	92	7	-	-	0	-	0	*
Scilly (St. Mary's)	1032.4	+4	NW	4	bc	49	92	8	4000	Cu	3	Ci	5	6
Falmouth (Pendennis)	1033.4	+8	SW	3	b-	48	75	6	2500	Cu	3	-	3	0
Plymouth (Cattewater)	1031.1	+5	W	1	b-	48	85	7	2500	St Cu	1	-	1	1
Portland Bill	1029.0	+3	WNW	3	b	50	85	7	-	-	0	-	0	4
Southampton (Calshot)	1029.6	+2	W'N	4	b	45	85	7	-	-	0	-	0	0
Dungeness	1027.5	+3	WSW	3	b	45	92	7	-	-	0	-	0	4
Jersey	1030.7	+1	NW	4	o/r	51	92	8	1500	St	10	-	10	3

45.

London Observations — 24 Hours ended 0900 G.M.T. 11th (Sunshine and Humidity 13h.: Yesterday; Humidity 9h.: To-day)

London Observations	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. °F.	Temp. Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs.	Humidity 13h. G.M.T. %	Humidity 9h. G.M.T. %
Kew	od c.b	kcg bm	bmwx	*	*	30	-	-	3.1	*	*
Croydon (24 hours ended 0700)	o₀² mc	g.bc.bg	bm	*	*	35	4	-	2.8	*	*
Greenwich (Royal Obsy.)	o	b.bgw	b.bx.o	50	34	30	-	-	2.1	66	83
City (Bunhill Row)	*	*	*	*	*	*	*	*	1.8	*	*
Westminster (St. James' Pk.)	*	*	*	53	36	28	-	*	2.4	70	84
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*		*	*
Camden Sq. (Brit. Rainfall)	o.c	bc	*	51	34	30	-	-	*	68	86
Kensington Palace	b.bc	bc	*	52	34	32	-	*	*	90 (18h)	84
Hampstead Observatory	*	*	*	52	34	24	-	*	3.3	*	90

ATMOSPHERIC POLLUTION. Milligrams of Solid impurity per cubic metre. 24 Hrs. ended 1600 G.M.T. 10th

South Kensington

Max.	Time.	Min.	Time.
0.3 / 0.6	1800 9th / 0900 10th	<0.3	2400 10th / 0000 10th

Kew Observatory

Max.	Time.	Min.	Time.
0.6	0800 10th	<0.3	2200 9th / 15 0200 10th

SOLAR RADIATION. Vertical component per square centimetre. During yesterday.

South Kensington.

Total .... joules

Average Rate .... Milliwatts.

Maximum Rate .... Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 10th 17 h. 15 m. to 11th 7 h. 0 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	13 45	13 45	100
δ Ursae Minoris	13 45	13 33	99

RADIO DISTURBANCES (Atmospherics) AT CROYDON.†

Time	Type	No. per min.	Stren.	Direc.
[illegible]	C	7	-	145°
[illegible]	C C₂	7	-	175°
[illegible]	C C₂	6	-	50°
[illegible]	C C	6	-	30°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 11th & 12th JANUARY, 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8 2 / 8 2	12 1 / 12 1	4 0 / 4 1
Greenwich	8 4 / 8 3	12 8 / 12 8	4 12 / 4 13
Wick	8 27 / 8 26	12 10 / 12 10	3 43 / 3 44
Valencia	8 41 / 8 41	12 41 / 12 41	4 51 / 4 52

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow. 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.
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.

SEA DISTURBANCE.

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

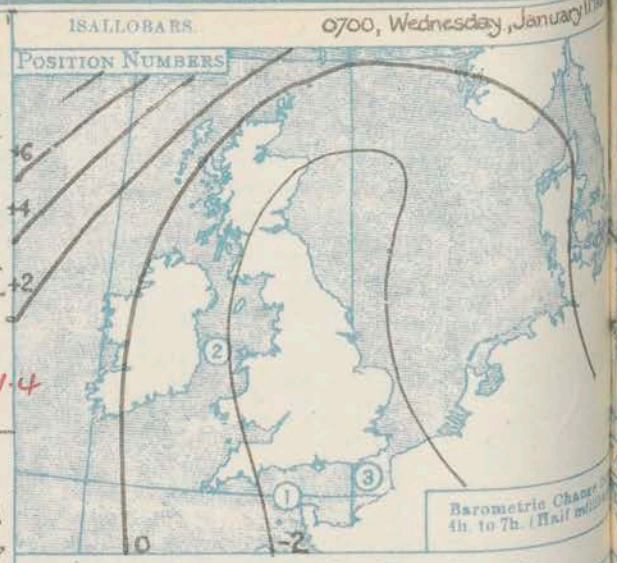
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

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

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS

STATIONS.	WEATHER. 7h.-18h. 10th	18h.-18h. 10th	18h. 10th to 1h. 11th	1h.-7h. 11th	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	c	S or SS	s. rs	h or rh	45	34	•	3	1	<0800	<2100	•
Stornoway	p	p	hr	p	41	34	•	5	5	<0800	<2100	1.0
Wick	irs o q	cirq	[illegible]	15 hl	39	33	•	4	10	<0800	<2100	•
Castlebay	o pcH	PH	b h.p. bc	b h.p. c	43	40	•	trace	2	–	–	1.3
Nairn	pq	pq	p		41	34	•	2	5	1430	<2100	1.3
Aberdeen	b or bc	b b q	bq p. r		43	38	33	–	–	–	–	5.9
Malin Head	cq PH	cq P	cq PH	cq P	46	44	•	0.6	2	<0800	–	2.3
Renfrew	bc o in	oc q mir	bc. c. op. or		44	38	34	3	4	<0800	<2100	2.3
Edinburgh (Inchkeith)	p	p	c	b. bc	43	39	36	2	trace	–	–	•
Eskdalemuir	irs is	irs ir	cp. bc		40	35	33	7	2	0900	<2100	1.4
Tynemouth	bbc q	p. q	b. bc	c i m	45	40	•	trace	–	1430	–	•
Blacksod Point ...	p	p	p		47	42	•	1	2	1430	1.30	•
Donaghadee	bbc ir	bc q	bcq	bcq	45	38	•	1	–	<0800	–	•
Birr Castle	c p r o	c	bc. br	bc p r	46	39	31	0.1	0.4	1100	–	0.0
Baldonnell	c	o b c b	b. bc	b. bc	45	37	34	trace	–	1430	–	3.8
Holyhead	o b bc	b b c b	b bc. o. c	c	49	45	44	–	–	–	–	4.9
Liverpool (Bidston) ...	b bc	b bc	b. bc		47	41	36	–	–	–	–	4.7
Chester (Shotwick) ...	bcb	b bc	bc	bc pr. b	49	42	38	–	0.2	–	6.30	•
Howden												
Spurn Head	b bc	f or h	b. bc	c	49	41	•	–	–	–	–	2.6
Nottingham	b bc		b. bc			37	30		–		–	2.1
Cranwell	c	b bc	b. bc	c	46	37	34	–	–	–	–	3.0
Gorleston	oo	o c b c b	b. bc	b. bc. c	47	37	35	–	–	–	–	0.7
Pulham	oo	c	c		47	35	30	–	–	–	–	0.9
Felixstowe	oo	b bc	b. bc		50	37	34	–	–	–	–	2.1
Valencia (Cahirciveen)	o c bc	b c c p b	bc. op	bc	49	43	40	0.1	trace	1230	–	3.5
Roches Point	b bc	b bc	c		50	41	•	–	trace	–	–	•
Pembroke (St. Ann's H.)	c	b or bc	b. bc	b. bc	51	47	•	–	–	–	–	4.3
Ross-on-Wye	o c bc	b c b b c	bc. c. br	b. bc. o	51	39	32	–	–	–	–	5.2
Benson...	b c b	p o o c	b. bc		50	32	21	trace	–	<0800	–	•
S. Farnborough ...	r or d	b bc	p. bc		51	30	22	0.1	–	<0800	–	2.7
London (Kew Obsy.)	o i d c b	r c z b m	bm. br	bw. br	51	37	30	–	–	–	–	3.1
Croydon	o r m c	c b c b r z	bm	b. bc	51	38	33	trace	–	<0800	–	2.8
Clacton-on-Sea ...	o q	b c b	bm	b. bcm	50	36	30	–	–	–	–	3.1
Shoeburyness	b bc	b bc	b. bc		52	36	32	0.2	–	<0800	–	2.9
Grain	o o	b bc	p		50	34	26	0.2	trace	<0800	5.30	2.5
Lympne	o r m	o c b c m	b. bc	b. bc	50	32	25	1	–	<0800	–	1.7
Scilly (St. Mary's) ...	r or d	b bc	b. bc	c	54	49	•	2	–	<0800	–	1.4
Falmouth (Pendennis)	o m r c	c m b c	bm	bm. c. o	54	44	•	2	–	<0800	–	1.7
Plymouth (Cattewater)	r or d	c	f. m		53	33	31	2	–	<0800	–	1.7
Portland Bill	b bc	b bc	b. bc	c	54	45	•	–	–	–	–	•
Southampton (Calshot)	r or d	c	b. bc	b. bc	51	36	35	1	–	<0800	–	2.3
Dungeness	r or d	b or bc	b. bc	b. bc	50	37	•	1	–	<0800	–	•
Jersey	o	m R R o	b	b. o	55	40	•	3	–	1530	–	0.0



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea
2	10th 1000	CAMBRIA	W'S	4	b	46	49
1	10th 1300	REINDEER.	W	5	D-	52	50

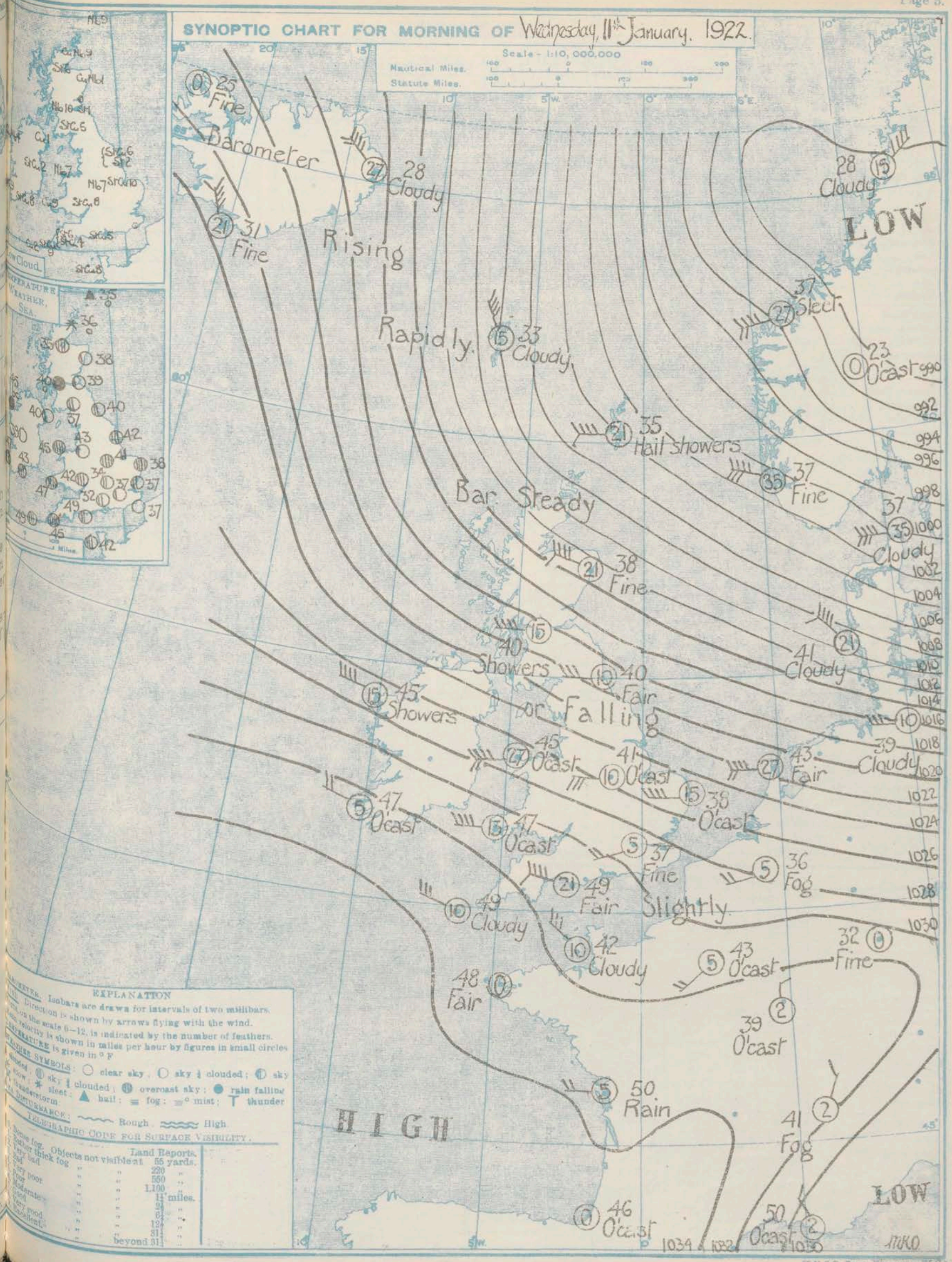
GENERAL INFERENCE.

Pressure is becoming high again over Iceland and the main wind current will soon be Northerly. Snow showers are to be anticipated in the North but in the South and South-West weather will be mainly fair during the next day or two, with a temperature considerably lower than of late.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday, 11th January 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind North-West, moderate; mainly fair but perhaps local sleet showers later; visibility moderate; colder.	Cold for a day or two with North-West or North winds and snow in places
4. W. Midlands 5. S.W. England 6. South Wales	Wind West to North-West, light or moderate; fair to cloudy; visibility moderate; colder.	
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind North-West, moderate or fresh; cloudy, local sleet showers; visibility moderate; colder.	
11. E. Scotland 12. S.W. Scotland	Wind North-West to North, moderate or fresh; variable sky, snow at times; visibility moderate; rather cold.	
13. Isle of Man	As for 7 - 10.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	As for 11 - 12.	
17. N.W. Ireland 18. N.E. Ireland	As for 7 - 10.	
19. S.E. Ireland 20. S.W. Ireland	As for 4 - 6.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 09.30.

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



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION. Wednesday 11th January 1922. No. 11.

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	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1002·4	+3	W	6	obh	37	75	6	2500	Nb	10	–	10	*
Stornoway	1014·9	+3	WNW	5	PH	*	*	5	*	*	*	*	*	*
Wick	1010·0	+1	WNW	3	oo	34	92	3	2500	Cu Nb	9	*	9	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1022·8	+2	W	4	OPH	44		7	4000	CuNb	7	–	7	*
Renfrew														*
Edinburgh (Inchkeith)	1016·8	+3	WSW	5	b	40	85	8	+	St Cu	1	–	1	*
Eskdalemuir														*
Tynemouth	1020·8	0	WSW	3	b	41	85	4	–	–	0	–	0	*
Blacksod Point														*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1029·8	+1	SW	4	b	39	85	8	–	–	0	Ci	1	*
Holyhead	1023·6	+1	W	5	[illegible]	*	*	8	1500	St Cu	7	–	8	*
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Sealand)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1023·4	0	W	6	b	42	72	5	4000	Cu	1	–	1	
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	
Cranwell	1026·5	0	WSW	4	bc+	34	85	4	–	–	0	A Cu	4	
Gorleston	1024·1	+2	WSW	3	b	35	85	4	–	–	0	–	0	
Pulham														
Felixstowe														
Valencia (Cahirciveen)	1035·6	+2	WNW	2	o/r	45	76	6	+	St Cu	4	A St	9	
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	
Pembroke (St. Ann's H.)	1032·9	+1	NW	3	bc	44	75	8	4000	Cu	4	–	4	
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	
London (Kew Obsy.)	*	*	*	*	*	40	*	*	*	*	*	*	*	
Croydon	1030·5	+1	WSW	4	b+	41	85	8	–	–	0	Ci St	2	
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	
Lympne	1030·4	+1	NW	2	b	34	94	6	–	–	0	–	0	
Scilly (St. Mary's)	1033·9	0	WNW	5	o	45	94	8	4000	St Cu	10	–	10	
Falmouth (Pendennis)	1033·6	+2	W	3	b	45	75	7	5750	Cu	3	–	3	
Plymouth (Cattewater)														
Portland Bill	1032·7	+3	WNW	5	b	49	85	7	–	–	0	–	0	
Southampton (Calshot)	1031·8	0	W	2	b	38	92	8	–	–	0	–	0	
Dungeness	1030·3	+1	NW	2	b	40	97	7	–	–	0	–	0	
Jersey 7h / Guernsey 1h	1033·5	+2	WNW	2	b	47	92	8	5750	Cu	2	Ci St	3	*

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	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1001·2	+1	W	5	rbh	35	92	6	2500	Nb	9	–	9	
Stornoway	1014·2	+1	W	6	bcPH	38	85	6	4000	CuNb	6	–	6	9
Wick	1009·4	-1	WNW	5	os	36	85	8	2500	Cu Nb	9	–		
Castlebay	1019·4	0	WNW	6	bc/s	42	92	4	1500	Cu Nb	6	–	6	7
Nairn	1015·4	*	W	2	bc/r	35	94	8	1500	St	6			
Aberdeen	1015·2	-2	NW'W	5	b	38	85	5	4000	Cu Nb	1			
Malin Head	1022·5	0	W	4	OPH	44		7	4000	CuNb	7	–	7	4
Renfrew	1018·4	-2	W	4	o/r	40	85	6	800	Nb	10			
Edinburgh (Inchkeith)	1015·3	-2	WSW	4	b	34	85	8	+	St	1			
Eskdalemuir	1020·2	-2	WSW	4	bc	34	85	6	1500	St Cu	5	–		
Tynemouth	1019·1	-2	W	3	bc+	40	85	6	–		0	A Cu		
Blacksod Point	?	+1	WNW	4	bcqr	45	75	5	4000	Cu Nb	4	–		
Donaghadee	1024·0	-1	W	3	b	40	85	7	5750	Cu	1	A Cu		
Birr Castle	1029·3	*	SW	1	b	34	94	5	–	–	0	A Cu		
Baldonnell	1028·9	0	SW	4	b	38	92	8	2500	St Cu	2	–		
Holyhead	1024·6	-1	WS	6	o+	45	92	7	1500	Nb	7	A		
Liverpool (Bidston)	1025·2	-1	W	6	b	43	92	8	–	–	0	A St		
Chester (Sealand)	1024·6	-1	WNW	5	b/r	43	85	8	1500	St	3	–		
Spurn Head	1022·4	-1	W	4	c	42	92	6	1500	St Cu	8	–		
Nottingham	1024·4	*	W	3	o+	41	85	4	700	Nb	7	Ci St		
Cranwell	1024·8	-2	SW'W	4	o+	40	85	4	4000	St Cu	10			
Gorleston	1024·4	-3	W	4	o+	38	85	4	–	–	0	A St		
Pulham	1025·9	-1	WSW	4	o	38	92	6	–	–	0	A St		
Felixstowe	1027·4	-1	W	3	b+	38	85	8	–	–	0	A St		
Valencia (Cahirciveen)	1032·2	-1	WNW	2	o	44	75	8	4000	St Cu	9	–		
Roches Point	1032·0	0	WNW	3	c+	45	85	4	2500	St Cu	8			
Pembroke (St. Ann's H.)	1031·0	-1	W	4	o+	44	85	8	4000	Cu	9	–		
Ross-on-Wye	1028·5	-2	SW'W	3	c	42	75	8	4000	St Cu	8	–		
Benson	1028·9	-1	WSW	1	bc+	34	85	8	–	–	0	Ci		
S. Farnborough	1030·0	-2	W	2	bc+	32	97	7	–	–	0	A Cu		
London (Kew Obsy.)	1029·6	-2	WSW	2	b	37	85	4	–	–	0	Ci Cu		
Croydon	1029·2	-3	WSW	4	bc	38	85	7	–	–	0	A Cu		
Clacton-on-Sea	1027·4	-2	WNW	3	bc+	34	92	6	–	–	0	A St		
Shoeburyness	1028·1	-2	WSW	4	bc	37	85	6	–	–	0	A Cu		
Grain	1028·5	-2	WSW	4	o+	37	85	6	–	–	0	Ci Cu		
Lympne	1029·2	-1	NW'W	2	b+	32	97	6	–	–	0	Ci St		
Scilly (St. Mary's)	1032·8	0	WNW	3	c	49	97	8	4000	Cu	2	Ci		
Falmouth (Pendennis)	1033·4	-2	WSW	2	o+	45	75	6	4000	St Cu	9	–		
Plymouth (Cattewater)	1032·3	-1	ENE	1	o+	37	94	6	2500	St	10			
Portland Bill	1030·8	-2	WNW	5	bc+	49	85	7	1500	St Cu	5	–		
Southampton (Calshot)	1030·6	-2	W'S	3	bc+	39	92	8	–	–	0	A Cu		
Dungeness	1028·8	-1	NW	2	b	37	97	8	–	–	0	–		
Jersey 7h / Guernsey 1h	1031·9	0	NW	3	c	42	92	8	4000	St Cu	8			

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

STATIONS.	Weather Fore-noon.	Weather After-noon.	Temperature Max. Day °F.	Temperature Min. Night °F.	Rainfall† Night 18h.-9h. 9th-10th mm.	Rainfall† Day 9h.-18h. 10th mm.	Sunshine Sunrise to Sunset 10th hr.	Sunshine Sunrise to Sunset. hr.
Banff	bcbbc	bbc	?42	37	–	–	4·9	
Montrose	bc	bc	43	35	–	–	5·1	
Llandudno	cbb	bbc	49	45	3	–	3·6	
Colwyn Bay	cbc	bc	48	46	4	–	5·0	
Rhyl	bc	bc	49	45	0·6	–	4·5	
Southport	bce	bbcc	47	44	2	–	5·2	
Blackpool	bc	c	47	44	2	–	4·7	
Harrogate	b	b	45	?39	0·7	–	5·8	
Skegness	o	ob	?47	40	2	–	2·0	
Aberystwyth	rcb	cco	48	47	2	–	4·0	
Bath	ocbc	bcb	51	46	3	–	2·8	
Leamington Spa	ocb	bc	50	42	0·6	–	3·6	
Lowestoft	o	ocb	47	42	2	–	0·5	
Felixstowe	ogm	b	50	45	2	–	2·7	
Southend	o	bc	52	43	3	–	2·5	

STATIONS.	Weather Fore-noon.	Weather After-noon.	Temperature Max. Day °F.	Temperature Min. Night °F.	Rainfall† Night 18h.-9h. 9th-10th mm.	Rainfall† Day 9h.-18h. 10th mm.	Sunshine Sunrise to Sunset 10th hr.	Sunshine Sunrise to Sunset. hr.
Paignton	oobc	bcbb	55	46		trace	3·0 2·3	
Ilfracombe	ccb	cbcb	50	46	7	0·5	2·7	
Bude	roco	bc	51	47	7		2·0	
Penzance	orc	bcc	55	49	5	0·8	1·9	
Falmouth Observatory	bc	cbc	53	49	3	2	2·6	
Torquay	odc	b	55	50	3	0·2	0·5	
Weymouth	roc	cbcd	52	47	4	0·5	0·5	
Bournemouth	ooc	cb	51	46	1	–	1·7	
Portsmouth (S'thsea)	or	bc	51	45	2	0·8	1·0	
Worthing	do	bcb	49	48	3	1	1·4	
Brighton	o	obcm	49	46	3	1	1·3	
Eastbourne	ro	cbcb	50	49	2	2	1·6	
Hastings	cdoc	bcb	50	49	3	1 0·5	1·3	
Folkestone	fdo	of	52	45	2	–	2·2	
Tunbridge Wells	o	obcb	51	48	2	–	2·0	
Ramsgate	o	o	49	45	3	–	1·6	
Margate	c	b	49	47	2	–	1·6	
Deal	or	bcc	53	47	3	0·3		

* 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 2.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 21,966 THURSDAY, 12th JANUARY 1922. Page 1.

Observations at 1300 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	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1010·5	-8	NW	4	c/s₀	36	97	6	4000	CuNb	7	-	7	•
Stornoway	1018·9	+4	N	5	bcPH	35	92	6	4000	CuNb	6	-	6	•
Wick	1018·3	+7	NNW	5	c/s(h)	35	92	8	2500	CuNb	8	-	8	•
Castlebay	1022·7	+4	NW	5	bc/s	37	85	8	-	-	-	A.St.	4	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1013·8	0	WNW	5	bps₀	36	85	8	4000	CuNb	2	-	2	•
Malin Head	1022·8	+3	NW	4	PR	45	92	7	4000	CuNb	4	-	4	•
Renfrew	1019·8	+4	WNW	3	opr₀	37	92	7	2500	Nb	7	A.St	9	•
Edinburgh (Inchkeith)	1016·4	+2	WNW	4	bc+	38	85	8	-	CuNb	5	-	5	•
Eskdalemuir	1018·7	0	NW	5	c	36	85	7	1500	St.Cu	7	-	7	•
Tynemouth	1016·7	-2	W	4	opr₀	41	85	6	4000	Nb	10	-	10	•
Blacksod Point	1010·3	+1	WNW	4	bcpr₀	45	75	5	4000	CuNb	4	-	4	•
Donaghadee	1022·6	-1	WNW	4	cpr₀	44	75	7	4000	CuNb	8	-	8	•
Birr Castle	1029·1	•	W	1	bc+	45	92	7	4000	St.Cu	4	-	4	•
Baldonnell	1027·4	-2	WSW	5	c+	45	75	7	1500	St	7	A.St	8	•
Holyhead	1025·5	-2	W	6	bc+	46	85	8	2500	Cu	3	A.Cu	4	•
Liverpool (Bidston) ...	1023·8	-4	W	7	o+	44	75	7	1500	CuNb	9	-	9	•
Chester (Shotwick) ...	1021·5	-4	WNW	6	c+	46	65	8	4000	St.Cu	7	-	7	•
Spurn Head	1018·2	-4	W	5	c-	44	92	6	1500	St	8	-	8	•
Nottingham	1021·2	•	WNW	5	c-	45	65	6	800	CuNb	7	-	7	•
Cranwell	1021·5	-5	W	5	o	43	75	7	2500	St.Cu	10	-	10	•
Gorleston	1020·6	-3	WNW	4	c	44	75	6	5750	St.Cu	7	-	7	•
Pulham	1021·2	-2	W'S	5	o	44	75	6	4000	St.Cu	10	-	10	•
Felixstowe	1022·9	-5	W	4	b-	45	75	8	4000	St.Cu	1	-	1	•
Valencia (Cahirciveen)	1032·1	0	NW'W	3	b-	48	65	9	4000	St.Cu	3	-	3	•
Roches Point	1031·1	-1	WNW	3	b-	47	75	8	4000	St.Cu	1	Ci	2	•
Pembroke (St. Ann's H.)	1029·6	-2	WNW	4	c	47	85	8	4000	Cu	7	-	7	•
Ross-on-Wye	1025·1	-5	W	4	c	46	75	9	4000	St.Cu	6	Ci	7	•
Benson...	1025·1	-5	W	3	c+	45	65	7	-	Cu	7	-	7	•
S. Farnborough ...	1026·2	-4	W	3	bc+	46	75	8	5750	Cu	4	A.Cu	6	•
London (Kew Obsy.)...	1024·7	-7	WSW	4	b+	45	65	6	4000	Cu	1	C.St	2	•
Croydon	1025·0	-6	W'S	4	bc+	46	65	6	4000	St.Cu	1	C.St	4	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1024·0	-5	WNW	2	b	44	75	6	4000	Cu	3	-	3	•
Grain	1024·3	-6	W	5	bc-	44	75	6	4000	Cu	1	A.Cu	5	•
Lympne	1024·8	-8	W	4	b	44	75	8	-	-	0	A.Cu	2	•
Scilly (St. Mary's) ...	1031·8	-1	W'N	3	o	50	97	8	4000	St.Cu	10	-	10	•
Falmouth (Pendennis)	1030·3	-4	W	3	c/r	50	92	6	4000	St.Cu	7	-	7	•
Plymouth (Cattewater)	1029·5	-4	W	3	o	49	85	7	2500	St.Cu	6	A.Cu	10	•
Portland Bill	1028·0	-3	WNW	5	b-	48	85	7	-	-	0	Ci.Cu	3	•
Southampton (Calshot)	1027·3	-6	WSW	4	bc	47	75	8	2500	Cu	4	Ci.St	6	•
Dungeness	1024·9	-6	WSW	4	b-	47	75	8	4000	Cu	3	-	3	•
Jersey	1030·1	-2	WNW	3	o/r	50	75	8	4000	St.Cu	10	-	10	•

Observations at 1800 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	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1017·9	+11	NNW	5	bc	41	97	6	4000	CuNb	2	A.Cu	6	4
Stornoway	1027·1	+9	N	5	bcPH	38	97	6	4000	CuN	1	-	7	4
Wick	1024·4	+9	NNW	5	bcpr	38	92	8	2500	CuNb	6	-	6	4
Castlebay	1030·0	+6	N	4	b/s₀	40	75	8	1500	Cu	1	-	1	6
Nairn	1024·9	[illegible]	WNW	1	c/s(h)	37	75	8	1500	St	3	A.St	8	•
Aberdeen	1020·5	+7	NW'N	4	bps₀	37	85	8	4000	St.Cu	1	-	1	0
Malin Head	1029·8 (1029.2)	+7	N	5	PH	42		7	4000	CuNb	8	-	8	5
Renfrew	1023·2	+8	WNW	2	b-	37	75	7	-	-	0	-	0	•
Edinburgh (Inchkeith)	1022·4	+9	WNW	3	b	36	75	8	-	-	0	-	0	3
Eskdalemuir	1022·8	+6	NNW	6	b-	33	75	8	-	-	0	-	0	•
Tynemouth	1019·9	+5	NNW	5	b-	37	75	6	2500	Cu	2	-	2	3
Blacksod Point	?	+6	?	?	cpr₀	45	75	6	5750	Cu	8	-	8	4
Donaghadee	1025·9	+4	N	5	b-	41	65	8	4000	Cu	3	-	3	6
Birr Castle	1030·0	•	NNW	2	bc	41	85	5	4000	St	2	Ci.Cu	4	•
Baldonnell	1029·2	+4	NW'N	4	bc+	40	85	7	2500	St	5	-	5	•
Holyhead	1025·5	+2	NNW	6	bc/r	42	92	8	2500	Cu	4	-	4	6
Liverpool (Bidston)	?	+4	NW'W	6	c/r	40	75	8	2500	St.Cu	8	-	8	6
Chester (Shotwick)	1021·6	0	WNW	5	o/r	39	85	6	1500	St	10	-	10	•
Spurn Head	1017·5	+1	NW	6	bc	40	85	6	1500	St	2	A.Cu	6	4
Nottingham	1020·9	•	NW	3	ojp	?39	85	5	-	-	0	Ci.St	9	•
Cranwell	1019·9	+1	NW	4	o/r	38	85	7	2500	St.Cu	10	-	10	•
Gorleston	1017·5	-3	NW'W	3	o/s(h)	34	97	5	4000	Nb	8	A.St	10	1
Pulham	1018·1	-4	W	3	o/r	37	97	6	1500	Nb	10	-	10	•
Felixstowe	1018·8	-5	W	4	ojp	43	75	8	4000	St.Cu	10	-	10	1
Valencia (Cahirciveen)	1032·4	+1	N'E	3	bc-	47	75	9	4000	St.Cu	6	-	6	4
Roches Point	1030·8	+1	WNW	3	b	45	75	8	-	-	0	-	0	3
Pembroke (St. Ann's H.)	1028·0	-1	NW	5	c+	46	85	8	1500	St	8	-	8	5
Ross-on-Wye	1023·3	-1	NW'W	3	opr₀	42	85	8	2500	St.Cu	10	-	10	•
Benson	1022·8	-2	NW	3	ors-	41	85	7	-	Nb	10	-	10	•
S. Farnborough	1022·2	-5	W	3	or	43	85	7	1500	St.Cu	10	-	10	•
London (Kew Obsy.)	1021·2	-4	W	3	o/r	44	65	6	4000	St.Cu	10	-	10	•
Croydon	1021·4	-4	WSW	4	o/r	43	75	6	2500	St.Cu	9	-	9	•
Clacton-on-Sea	1018·6	-5	W	4	c+	41	85	7	4000	Nb	7	-	7	1
Shoeburyness	1019·8	-4	NW	6	cr	43	75	7	1500	Nb	8	-	8	•
Grain	1019·9	-5	W	4	o/r	42	75	6	2500	St.Cu	9	-	9	0
Lympne	1020·8	-4	W	3	c	40	85	7	-	St.Cu	3	A.Cu	7	•
Scilly (St. Mary's)	1030·1	0	W'N	4	od₀	48	97	8	-	-	0	A.St	10	4
Falmouth (Pendennis)	1031·1	0	NW	4	bc	47	65	7	4000	Cu	6	-	6	0
Plymouth (Cattewater)	1028·0	-1	NW	2	od₀	46	85	8	2500	St.Cu	9	-	9	0
Portland Bill	1025·3	-2	W'N	7	bcr	46	85	7	4000	St.Cu	6	-	6	6
Southampton (Calshot)	1023·9	-3	W	4	opr₀	43	85	8	4000	St.Cu	10	-	10	0
Dungeness	1020·4	-3	WSW	5	bc+	43	92	8	4000	Cu	5	-	5	5
Jersey	1027·9	-1	WNW	3	o	48	75	8	4000	St.Cu	10	-	10	3

London Observations. Weather, Temperature, Rainfall: 24 Hours ended 0900 G.M.T. 12th. Sunshine: Yesterday. Humidity: 15h. Yesterday; 9h. To-day.

London Observations.	Weather Morning.	Weather Afternoon.	Weather Night.	Temp. Max. °F.	Temp. 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. %
Kew	cmx.b	c.bp.bq	okq.bx	•	•	30	tr	1	3·4	•	•
Croydon (21 hours ended 0700)	c.bc m	bcpr₀	okq bcx	•	•	30	1	1	4·0	•	•
Greenwich (Royal Obsy.)	b	c.cqh	b.c.b	44	34	30	-	0·3	4·1	73	74
City (Bunhill Row)	•	•	•	•	•	•	•	•	1·6	•	•
Westminster (St. James' Pk.)	•	•	•	44	35	29	1		3·5	74	75
Regents Pk. (Botanical Gdns.)	•	•	•	•	•	•	•	•		•	•
Camden Sq. (Brit. Rainfall)	bcw	c	•	47	33	29	1	-	•	73	74
Kensington Palace	b.bc	o	•	44	35	31	-	1	•	74 (16h)	84
Hampstead Observatory	•	•	•	45	32	23	1	-	4·8	•	79

Atmospheric Pollution. Milligrams of Solid impurity per cubic metre. 24 Hr. ended 1800 G.M.T. 11th.

Station	Max.	Time.	Min.	Time.
South Kensington	1·0	1800 10th	<0·3	0200 11th
	0·6	0900 11th		
Kew Observatory	0·6	0900 11th	<0·3	0400 11th
	0·6	1500 11th		

Solar Radiation. Vertical component per square centimetre. During yesterday.

South Kensington.
Total .... joules
Average Rate .... Milliwatts.
Maximum Rate .... Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from 11th 17 h. 15 m. to 12th 7 h. 0 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	13 45	10 30	76
δ Ursae Minoris	13 45	10 12	74

Radio Disturbances (Atmospherics) at Croydon.*

Time.	Type.	No. per 4 sec.	Siren.	Direc.
18h.	C.C₁	6	-	145°
19h.	C	7	-	175°
9h.	C.C₁	7	-	20°
17h.	C.C₁	6	-	50°

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom.

12th & 13th JAN. 1922

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8·2 / 8·1	12·1 / 12·2	4·1 / 4·3
Greenwich	8·5 / 8·5	12·8 / 12·9	4·13 / 4·15
Wick	8·56 / 8·55	12·20 / 12·21	3·44 / 3·46
Valencia	8·47 / 8·46	12·49 / 12·50	4·52 / 4·54

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow 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.
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.

SEA DISTURBANCE.
0=no swell, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 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 Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER.* 7h.-13h. 11th	WEATHER.* 13h.-18h. 11th	WEATHER.* 18h. to 18h. 11th/12th	WEATHER.* 18h.-7h. 12th	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. Hours.
Lerwick	p	p	c	c	41	35	•	0·3	-	1230	-	•
Stornoway	p	p	p	c	40	29	•	5	1	<0800	-	0·8
Wick	ocsh	cpsq	c	c	38	34	•	2	0·2	<0800	<2100	•
Castlebay	c1hpc	c5hpb	c	bc	42	38	•	3	0·4	-	-	0·6
Nairn	s or IS	s or IS	c		37	32	•	1	0·3	1430	<2100	0·0
Aberdeen	bc ps.	bcpsq	bcps.		38	36	33	0·4	1	<0800	<2100	1·4
Malin Head	cq/P	cq/P	3c	3c	46	40	•	-	-	-	-	
Renfrew	ofmp	ofbb	bmx		37	28	23	4	trace	<0800	-	1·2
Edinburgh (Inchkeith)	c	bbc	b.bc	b.bc	40	35	31	-	-	-	-	•
Eskdalemuir	irsis	b or bc	b.bc		39	29	21	2	-	0900	-	1·6
Tynemouth	im	psq	bbcimq	b.bc	b.bcim	42	36	•	trace	-	1230	-	•
Blacksod Point ...	p	p	b.bc		47	34	•	trace	-	1630	-	•
Donaghadee	bcq/p	cq/rh	bcq	bc	45	35	•	3	-	<0800	-	•
Birr Castle	bc	bc	bc	bcx	46	25	19	-	-	-	-	4·5
Baldonnell	bbc	bcprsq	b.bx	b.bc	45	22	19	trace	-	1530	-	3·7
Holyhead	bbc	ofpbc	c.bc.b	b.bc	47	41	39	trace	-	1530	-	3·5
Liverpool (Bidston) ...	p	p	b.bc		43	34	29	0·3	-	1530	-	2·9
Chester (Shotwick) ...	bcc	oprsqis	a.c.bc.b	bmx	47	32	27	1	-	1430	-	•
Howden												
Spurn Head	rord	rord	h.(rh)	c	43	35	•	0·1	-	1430	-	1·0
Nottingham	c	cir	b.bc		45	35	31	1	-	1230	-	0·5
Cranwell	oo	kcklr	b.bc	b.bc	44	33	30	2	6	1452	-	1·1
Gorleston	cbcc	c RHS	orph	pmrhq	44	34	32	4	6	1430	<2100	2·4
Pulham	oo	p	h(rh)		44	33	31	1	2	1730	2200	2·0
Felixstowe	c	p	p		46	34	32	trace	1	1530	<2100	2·4
Valencia (Cahirciveen)	ocb	bbcc	bc.a.c.b	bx	49	30	-	-	-	•	-	4·4
Roches Point	bbc	bbc	b.bc		48	32	•	-	trace	-	-	•
Pembroke (St. Ann's H.)	c	c	b.bc	b.bc	48	36	•	-	-	-	-	2·3
Ross-on-Wye	cbc	cbcop.	bc.qbr	bx.b	47	31	21	trace	0·1	1730	<2100	4·0
Benson	bc	irors	RS.b	b	47	31	23	0·6	1	1230	<2100	•
S. Farnborough ...	c	oo	b.bc		46	31	25	0·1	1	1730	<2100	0·4
London (Kew Obsy.) ...	cmxb	cbbpbbc	4b.bc	b.bx	45	35	30	trace	2	1430	<2100	3·4
Croydon	cbcim	bcprq	orqhbim	b.bcx	46	33	30	1	1	1430	<2100	4·0
Clacton-on-Sea ...	bc	c	cp	c.bc	45	34	29	-	1	-	<2100	2·6
Shoeburyness	bbc	p	b.bc		46	34	31	0·3	1	1530	<2100	2·5
Grain	c	b	p		44	33	26	0·4	0·4	1530	<2100	3·1
Lympne	cbcbim	bbcp.	c.bc.b.p	b.bcq	45	32	29	trace	0·3	1630	<2100	4·7
Scilly (St. Mary's) ...	oo	rord	b.bcp.	b.bc	50	40	•	-	0·2	-	<2100	0·0
Falmouth (Pendennis.)	ocm	ocmbc	bcp.b	bm	53	36	•	-	0·1	-	2200	0·1
Plymouth (Cattewater)	f or m	oo	b.bc		48	35	25	0·2	0·4	1730	<2100	0·7
Portland Bill	bbc	c	b.bc	b.bc	50	36	•	-	-	-	-	•
Southampton (Calshot)	c	p	bq.h	b.bc	47	32	31	trace	2	1530	<2100	3·2
Dungeness	c	b or bc	b.bcx	b.bc	47	31	•	-	1	-	<2100	•
Jersey	od.o	oco	p	b	53	41	•	0·5	0·5	1100	<2100	0·5

ISALLOBARS 0700, Thursday, January 12th

POSITION NUMBERS

Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea
3	11th 0300	ARUNDEL	WNW	4	co-	44	47
2	" 1100	CEMBRIA	W'N	5	b	45	47
3	12th 0300	BRIGHTON	NNW	6	b/s	40	47

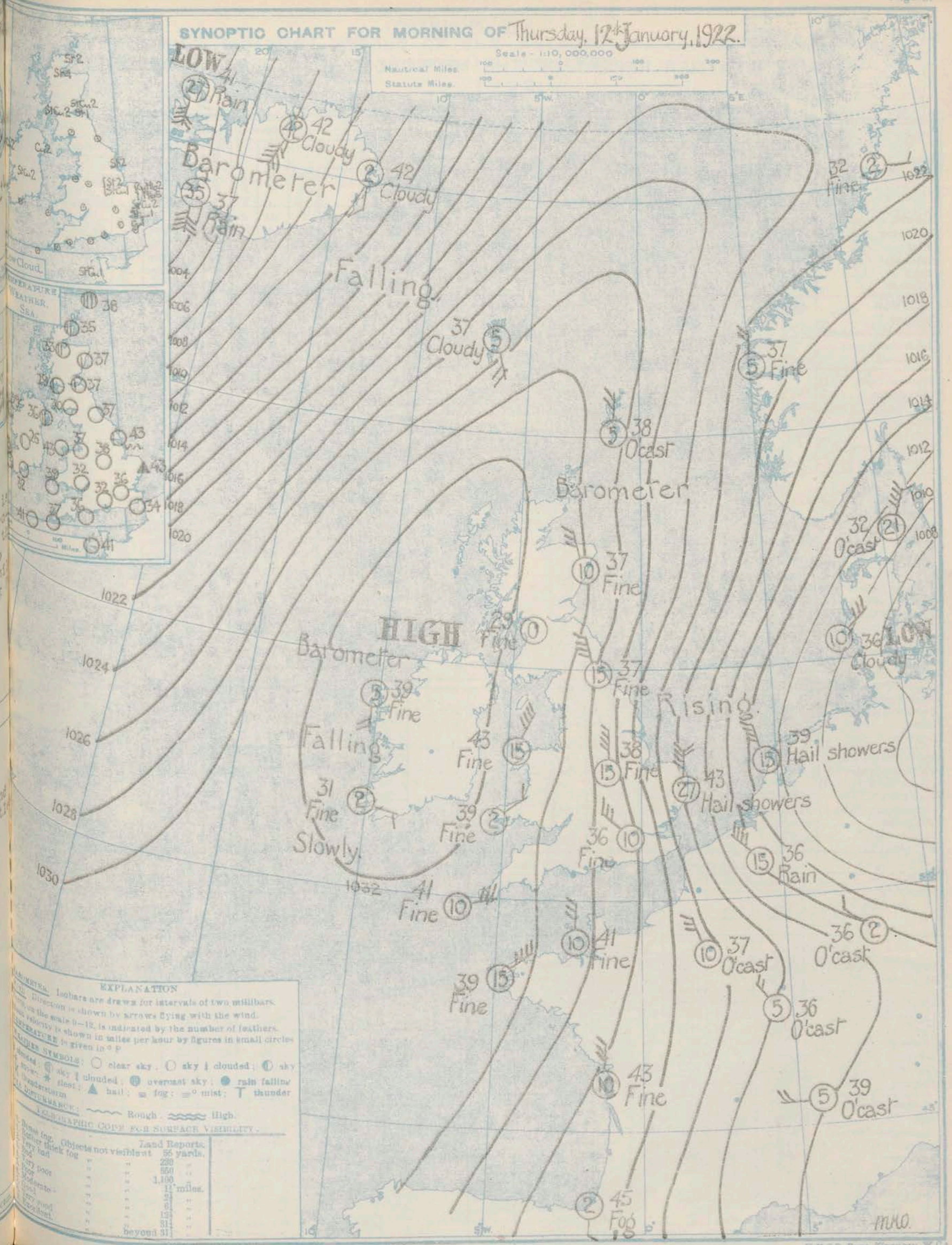
GENERAL INFERENCE.

Another depression which is spreading over Iceland will probably move Eastward and cause the wind over the British Isles to return to the Westward, with milder weather, before the ensuing 24 hours have elapsed.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Thursday, 12th January, 1922.	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	Wind North and North-West, light or moderate, backing to the Westward later; fair and rather cold, then becoming less fair and milder. Visibility fair or good.	Westerly wind and mild unsettled weather.
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 North-West to West or South-West, light to moderate or fresh; becoming cloudy or overcast, with some rain or showers; temperature rising. Visibility fair.	
19. S.E. Ireland 20. S.W. Ireland	Light variable to Westerly winds; mainly fair; temperature rising.	

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

* See Code on opposite page



W.M.S.O. Print. Kingsway, W.C.2

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION. Thursday 12th January 1922. No. 12

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	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1026.1	+4	N	4	o	41	77	7	5750	StCu	10	-	10	*
Stornoway	1033.7	+5	N	3	o-	*	*	6	*	*	*	*	*	*
Wick	1028.4	+5	NW	3	o+	40	75	8	800	St	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1032.5	0	N	3	oc/r	44		7	4000	Cu	7	-	7	*
Renfrew														
Edinburgh (Inchkeith)	1028.5	+5	NNW	3	b	39	75	8	*	StCu	1	-	1	*
Eskdalemuir														
Tynemouth	1024.7	+3	NW	4	b.	39	75	7	-	-	0	-	0	*
Blacksod Point														
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1033.6	+4	-	0	b	29	85	8	-	-	0	-	0	*
Holyhead	1030.9	+3	N'E	5	b	*	*	8	2500	Cu	1	-	1	*
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1021.0	+2	NW	7	bm	40	92	6	5750	CuNb	2	-	2	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1024.9	+3	NW'N	5	bct	35	85	6	2500	StCu	3	ACu	5	*
Gorleston	1018.6	0	NW	3	bc	35	97	7	4000	CuNb	5	-	5	*
Pulham														
Felixstowe														
Valencia (Cahirciveen)	1034.0	+3	ENE	3	b	39	92	6	*	*	*	*	*	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1031.0	+4	NE	3	b	39	85	8	-	-	0	-	0	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	1025.1	+4	NW'N	4	b-	34	85	7	-	-	0	-	0	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1022.5	+1	NW'N	6	b-	32	85	7	-	-	0	-	0	*
Scilly (St. Mary's)	1029.6	0	NE'N	4	b	45	92	8	4000	Cu	3	-	3	*
Falmouth (Pendennis)	1030.5	+2	NW	4	b/r	47	75	7	5760	Cu	2	-	2	*
Plymouth (Cattewater)														
Portland Bill	1027.0	+2	N'W	5	b	44	85	7	-	-	0	-	0	*
Southampton (Calshot)	1026.5	+3	NNW	4	b/s	38	75	8	-	-	0	-	0	*
Dungeness	1022.1	+1	N	4	b	34	85	7	-	-	0	-	0	*
Jersey 7h / Guernsey 1h	1027.5	0	N	4	bc/r	45	92	8	5750	CuNb	5	-	5	*

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	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1029.4	+4	N	2	o+	38	85	8	-	-	0	ASt	10	1
Stornoway	1031.1	0	-	0	bc	30	85	7	4000	Cu	6	*	6	0
Wick	1030.1	+1	NW	2	bc	35	92	8	1500	St	3	ACu	5	1
Castlebay	1032.0	0	-	0	b	40	85	8	1500	Cu	1	-	1	2
Nairn	1031.5	*	-	0	bc-	33	92	8	1500	St	4	-	4	4
Aberdeen	1030.2	+3	NW'N	3	b/s	37	85	7	-	-	0	ASt	2	0
Malin Head	1031.7	0	calm	0	co	44	97	8	4000	Cu	6	-	6	2
Renfrew	1031.9	+1	-	0	b	29	85	5	4250	StCu	2	-	2	*
Edinburgh (Inchkeith)	1030.4	+4	WNW	2	b	37	75	8	+	St	1	CiSt	2	1
Eskdalemuir	1031.6	+2	-	0	b	30	85	7	-	-	0	-	0	*
Tynemouth	1027.7	+1	NNW	4	b	37	75	6	-	-	0	-	0	4
Blacksod Point	?	-4	S	2	b.	39	85	5	[illegible]	Cu	2	-	2	3
Donaghadee	1032.0	+1	NW	1	bc-	36	85	8	5750	Cu	2	ACu	4	0
Birr Castle	1033.3	*	NW	1	b-	25	97	3	4000	StCu	2	-	2	*
Baldonnell	1033.4	0	SW	2	b	27	85	8	-	-	0	ASt	1	1
Holyhead	1031.4	0	NNE	4	b	43	85	9	-	-	0	ASt	1	4
Liverpool (Bidston)	1030.2	0	NW	3	b	37	85	9	-	-	0	-	0	*
Chester (Shotwick)	1028.8	0	NNW	1	b	32	85	6	-	-	0	-	0	*
Spurn Head	1023.0	+2	N	8	b	43	92	6	1500	St	2	-	2	7
Nottingham	1027.5	*	N	4	b/	38	75	5	-	-	0	ASt	1	*
Cranwell	1026.7	+1	NNW	5	b	35	85	3	1500	St	3	-	3	4
Gorleston	1019.5	+1	N	6	cPH	43	75	7	4000	Nb	7	-	7	*
Pulham	1021.8	+1	NW	3	o/R	37	85	5	1500	Nb	10	-	10	1
Felixstowe	1022.1	+1	NNW	6	b.	37	85	7	800	StCu	2	-	2	1
Valencia (Cahirciveen)	1033.3	-1	E'S	1	b	31	85	9	-	-	0	Ci	1	0
Roches Point	1033.7	0	NW	1	b	32	97	8	-	-	0	-	0	3
Pembroke (St. Ann's H.)	1031.6	0	NE	1	b	39	85	8	-	-	0	-	0	*
Ross-on-Wye	1029.6	+1	-	0	b	32	85	8	-	-	0	-	0	*
Benson	1027.5	+1	NW	3	b/s	33	85	7	-	-	0	-	0	*
S. Farnborough	1027.7	+1	W'N	3	b	32	85	8	-	-	0	-	0	*
London (Kew Obsy.)	1026.5	+2	NW'W	3	b/r	36	75	7	-	-	0	ASt	1	*
Croydon	1026.4	+2	NW	4	bc-	35	75	7	450	St	4	-	4	*
Clacton-on-Sea	1022.3	+1	WNW	5	b-	37	85	7	2500	Cu	3	-	3	0
Shoeburyness	1028.5	+1	NNW	7	b	36	75	6	4000	StCu	1	-	1	2
Grain	1024.3	+3	NW	5	b-	35	85	7	4000	StCu	2	-	2	*
Lympne	1023.2	+1	NW	7	b-	35	85	6	225	Cu	1	ASt	2	4
Scilly (St. Mary's)	1030.8	+1	E'N	3	b	41	97	8	-	-	0	-	0	0
Falmouth (Pendennis)	1031.6	0	N	2	b-	37	85	7	-	-	0	-	0	0
Plymouth (Cattewater)	1031.0	+2	-	0	b	35	75	8	-	-	0	-	0	5
Portland Bill	1028.8	+2	N	6	b	36	85	7	-	-	0	-	0	0
Southampton (Calshot)	1028.6	+2	NW	5	b	34	75	7	-	-	0	-	0	0
Dungeness	1025.0	0	N	4	b	34	85	7	-	-	0	-	0	1
Jersey 7h / Guernsey 1h	1028.5	+1	N	3	b	41	75	8	4000	StCu	1	-	1	3

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

Stations	Weather Fore-noon.	Weather After-noon.	Temperature Max. Day °F.	Temperature Min. Night °F.	Rainfall.† Night 17h.-9h 10th-11th mm.	Rainfall.† Day 9h.-17h 11th mm.	Sunshine Sunrise to Sunset 11th hr.	Sunshine Sunrise to Sunset. hr.
Banff	ohpc	c	40	34	4	0.6	0.0	
Montrose	cbc	c	38	36	-	0.3	1.4	
Llandudno	bcb	ochp	46	43	-	1	2.6	
Colwyn Bay	bc	bccr	46	43	-	2	2.8	
Rhyl	bcqr	bcqr	47	43	-	3	3.5	
Southport	bbcc	corhc	45	43	-	3	2.2	
Blackpool	ophr[illegible]	o	45	43	-	5	1.7	
Harrogate	b	cobcbc	43	39	-	2	2.8	
Skegness	bbcco	ocduqs	44	41	-	4	1.0	
Aberystwyth	ocb	cco	48	45	-	-	4.3	
Bath	bbc	bbcc	48	34	-	-	4.0	
Leamington Spa	bbc	cbc	46	37	-	0.2	3.0	
Lowestoft	qcbc	bcor	45	33	-	0.3	3.4	
Felixstowe	cg	o	45	36	-	-	2.7	
Southend	oc	coro	45	34	-	·1	1.5	

Stations	Weather Fore-noon.	Weather After-noon.	Temperature Max. Day °F.	Temperature Min. Night °F.	Rainfall.† Night 17h.-9h 10th-11th mm.	Rainfall.† Day 9h.-17h 11th mm.	Sunshine Sunrise to Sunset 11th hr.	Sunshine Sunrise to Sunset. hr.
Paignton	bccmc	bco	49	36			0.6	
Ilfracombe	bc	bccq	48	46	-	0.2	1.2	
Bude	c	c	51	41	±	-	0.6	
Penzance	cbc	c	51	41	-	-	0.0	
Falmouth Observatory	opo	o	49	41	0.2	0.1	0.0	
Torquay	ocbc	b	50	39	-	-	0.7	
Weymouth	cbc	bc	48	38	-	-	1.5	
Bournemouth	b	b	47	37	0.3	-	3.2	
Portsmouth (S'thsea)	b	bc	47	39	-	-	3.3	
Worthing	bc	bcc	46	35	-	-	4.2	
Brighton	cbc	bccbc	47	38	-	0.4	4.1	
Eastbourne	cbc	bcc	47	38	0.1	-	4.6	
Hastings	cobcb	bbcc	45	34	0.3	-	5.0	
Folkestone	oc	cbc	50	35	-	-	4.7	
Tunbridge Wells	bcb	bcopc	47	33	-	-	4.3	
Ramsgate	bc	bc	45	33	0.5	-	4.5	
Margate	cbc	bbccp	46	37	-	0.3	2.1	
Deal	bccp	bc	46	37	-	Trace	4.2	

* 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. 21,964 FRIDAY, 13th JANUARY 1922. Page 1.

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	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1025.5	-3	—	0	bc-	37	97	6	-	-	-	A.Cu	5	•
Stornoway														•
Wick	1028.4	-3	NNW	1	c	35	85	8	800	St.	2	Ci	8	•
Castlebay	1027.3	-6	E	4	c	40	75	8	1500	CuNb	7	-	7	•
Nairn	*	*	*	*		*	*	*	*	*	*			•
Aberdeen	1029.5	-1	NNW	2	b	39	85	8	-	-	-	Ci.St	1	•
Malin Head	1027.3	-6	SSE (~~W~~)	1 (~~5~~)	bc (~~ocfr~~)	42 (~~40~~)	97	8 (~~7~~)	4000 (~~4000~~)	Cu (~~Cu~~)	1 (~~7~~)	Cu	3 (~~7~~)	•
Renfrew	1030.1	-3	WSW	1	mb	37	85	4	-	-	-	Ci	1	•
Edinburgh (Inchkeith)	1029.9	-2	W	2	mb-	37	75	6	-	-	-	-	0	•
Eskdalemuir	1029.6	-2	N	2	b	38	65	8	-	-	-	Ci	2	•
Tynemouth	1028.7	0	WNW	3	o	40	85	6	1000	St.Cu	10	-	10	•
Blacksod Point	?	0	SE'S	3	b-	41	75	9	2500	Cu	1	-	1	•
Donaghadee	1030.1	-2	WSW	1	b-	43	65	8	4000	Cu	2	-	2	•
Birr Castle	1030.3		S	1	b	35	97	6	-	-	-	Ci.Cu	2	•
Baldonnell	1030.3	-5	WSW	1	b	38	75	7	-	-	-	Ci	1	•
Holyhead	1030.2	-3	—	0	b	45	85	8	2500	Cu	1	-	1	•
Liverpool (Bidston)	1029.9	-1	NNW	1	b	40	65	8	-	-	-	Ci.St	1	•
Chester (Shotwick)	1029.0	-1	WNW	2	b+	41	75	8	2500	St.	3	-	3	•
Spurn Head	1025.7	+2	N	6	bc	44	92	6	4000	CuNb	5	-	5	•
Nottingham	1027.7	•	NNW	3	bm	42	75	4	-	-	-	Ci.St	3	•
Cranwell	1027.4	0	NW'N	4	b	40	85	6	2500	Cu	1	-	1	•
Gorleston	1022.2	+4	N	6	bcP.H	44	75	7	4000	CuNb	2	A.Cu	4	•
Pulham	1023.4	+1	N	6	c	44	75	8	1500	St.Cu	8	-	8	•
Felixstowe	1023.5	0	N'W	4	b-	44	75	8	2500	Cu	3	-	3	•
Valencia (Cahirciveen)	1027.9	-8	SSE	4	c+	44	75	8	4000	St.Cu	7	-	7	•
Roches Point	1029.5	-7	SE	3	bc	43	75	8	4000	Cu	4	-	4	•
Pembroke (St. Ann's H.)	1029.0	-2	NE	1	b	42	85	8	-	-	-	-	0	•
Ross-on-Wye	1028.8	-2	NNW	3	b	40	65	8	-	-	-	-	0	•
Benson	1027.4	-3	NNW	3	b	40	75	6	-	-	-	-	0	•
S. Farnborough	1027.2	-1	N'W	3	b	41	75	7	-	-	-	-	0	•
London (Kew Obsy.)	1026.1	-1	N'W	4	b	42	65	6	-	-	-	-	0	•
Croydon	1026.2	-2	NNW	3	b	40	75	5	1500	Cu	3	-	3	•
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	•
Shoeburyness	1023.9	0	N'W	5	b	42	75	6	4000	Cu	1	-	1	•
Grain	1024.3	0	NNW	6	b	43	75	7	2500	Cu	1	-	1	•
Lympne	1022.8	-2	NNW	6	b	41	75	8	2500	Cu	2	-	2	•
Scilly (St. Mary's)	1031.0	-1	ESE	2	b	48	97	8	4000	Cu	2	-	2	•
Falmouth (Pendennis)	1030.6	-2	N	3	b	42	65	7	5750	Cu	2	-	2	•
Plymouth (Cattewater)	1030.0	-4	NNE	1	bc+	42	75	8	2500	St.	4	-	4	•
Portland Bill	1028.0	-1	N	2	b	41	85	7	-	-	-	-	0	•
Southampton (Calshot)	1027.6	-4	NNW	4	b	42	75	6	-	-	-	-	0	•
Dungeness	1023.0	0	N	5	b	42	85	7	4000	Cu	2	-	2	•
Jersey	1029.3	0	NE	3	b	45	75	8	-	-	-	-	0	•

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	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1025.4	-3	—	0	c	37	97	7	-	-	-	A.St	8	5
Stornoway														
Wick	1022.9	-5	WSW	2	c	32	97	8	800	St	8	-	8	1
Castlebay	1022.7	-2	SSE	5	c	44	75	7	2500	CuNb	7	-	7	4
Nairn	1025.0	*	—	0	b-	23	85	8	-	-	-	Ci	2	•
Aberdeen	1028.5	-2	NNW	1	b	32	92	6	4000	St.Cu	2	Ci.St	3	0
Malin Head	1023.1 (~~1031.7~~)	-4	SSE	2	bc+	37	97	8	4000	Cu	2	Cu	4	
Renfrew	1027.3	-3	—	0	fb+	27	92	2	5750	St.Cu	5	-	5	•
Edinburgh (Inchkeith)	1026.1	-2	WSW	2	mb	36	85	5	-	-	-	Ci.St	4	•
Eskdalemuir	1028.5	-2	—	0	b	24	85	6	-	-	-	Ci	2	•
Tynemouth	1026.6	-2	W	1	br	37	85	5	4000	Cu	3	-	3	4
Blacksod Point	?	?	SE'S	6	c+	41	75	5	4000	CuNb	7	-	7	7
Donaghadee	1026.3	-3	WSW	1	bc-	37	75	8	5750	Cu	2	Ci.Cu	5	0
Birr Castle	1025.9	•	SSE	1	b	32	97	5	—	-	-	Ci.Cu	2	•
Baldonnell	1027.4	-3	—	0	b	29	92	7	2500	St.Cu	1	A.St	2	•
Holyhead	1027.5	-2	—	0	b	37	92	7	-	-	-	-	0	0
Liverpool (Bidston)	1028.0	-1	NNW	1	b	38	75	8	-	-	-	-	0	3
Chester (Shotwick)	1027.3	0	WNW	1	b	31	85	5	-	-	-	A.St	3	•
Spurn Head	1024.4	+1	N'E	3	o-	40	92	7	4000	St.Cu	9	-	9	6
Nottingham	1026.8	•	NNW	3	b-	38	85	3	-	-	-	-	0	•
Cranwell	1026.8	0	NW	3	bc	35	97	6	4000	St.Cu	4	-	4	•
Gorleston	1023.8	+1	N'E	5	bc-	41	75	7	4000	Cu	4	-	4	4
Pulham	1024.2	+1	N'W	2	o	36	85	7	4000	Cu	8	-	8	•
Felixstowe	1024.7	+2	N	3	bc-	39	85	8	2500	St.Cu	6	-	6	1
Valencia (Cahirciveen)	1022.3	-5	S	5	c+	45	65	9	4000	St.Cu	8	-	8	4
Roches Point	1025.3	-4	S	4	c-	45	75	8	1500	Cu	7	—	7	3
Pembroke (St. Ann's H.)	1027.9	-2	ESE	1	b	39	75	8	-	-	-	-	0	2
Ross-on-Wye	1027.5	-1	—	0	b+	35	85	5	-	-	-	A.Cu	1	•
Benson	1027.0	0	NNW	2	b	33	92	5	-	-	-	-	0	•
S. Farnborough	1026.7	0	NNW	1	b	33	85	6	-	-	-	-	0	•
London (Kew Obsy.)	1025.9	0	NNW	1	bm	39	85	4	-	-	-	-	0	•
Croydon	1025.6	0	NNW	1	c	39	85	4	2500	St.Cu	4	Ci	8	•
Clacton-on-Sea	1024.4	+2	NNW	3	c/r	41	75	6	5750	Cu	7	-	7	[illegible]
Shoeburyness	1024.5	+1	NNW	1	b/r	36	85	6	4000	Cu	1	-	1	•
Grain	1025.1	+1	NNW	2	bc+	38	85	7	7250	St.Cu	5	-	5	0
Lympne	1023.9	+1	N	4	b	37	85	6	1500	St.	1	A.St	2	•
Scilly (St. Mary's)	1027.0	-3	SE'S	2	b+	42	97	8	2000	Cu	3	-	3	3
Falmouth (Pendennis)	1027.9	-2	—	0	b	40	75	7	5750	Cu	2	-	2	•
Plymouth (Cattewater)	1028.3	-1	E	1	b	37	85	7	4150	St.	1	-	1	0
Portland Bill	1026.5	-2	N	3	b	40	85	7	-	-	-	-	0	3
Southampton (Calshot)	1026.7	-1	NNW	4 (~~3~~)	b	38	75	5	-	-	-	-	0	0
Dungeness	1023.5	0	N	3	b	36	97	7	-	-	-	-	0	3
Jersey	1026.7	-1	NE	3	b	42	75	8	-	-	-	-	0	3

London Observations

24 Hours ended 0900 G.M.T. 13th

London Observations.	Weather Morning.	Weather Afternoon.	Weather Night.	Temp. Max. °F.	Temp. Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)
Kew } 24 hours ended 0700	bx bz.	bz. bm	bfx ofx	*	*	20	-	-	5.3	*	*
Croydon } 24 hours ended 0700	bcz	bocxm	fx m bmf	*	*	23	-	-	3.0	*	*
Greenwich (Royal Obsy.)	b	b	bmxf	42	28	21	-	-	3.9	76	100
City (Bunhill Row)	*	*	*	*	*	*	*	*		*	*
Westminster (St. James' Pk.)	*	*	*	44	27	22	-	-	3.9	75	91
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*	5.0	*	
Camden Sq. (Brit. Rainfall)	b	b	*	43	27	23	-	-	*	75	98
Kensington Palace	b	b	*	43	28	23	-	-	*	94 (18h)	91
Hampstead Observatory	*	*	*						5.8	*	

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 12th

South Kensington Max.	Time.	Min.	Time.
0.6 0.6	17h 11th 15h 12th	0.3	2h 12th

Kew Observatory Max.	Time.	Min.	Time.
0.6	8h 12th	0.3	2h 12th

Solar Radiation.
Vertical component per square centimetre.

During yesterday.

South Kensington.

Total .... joules

Average Rate .... Milliwatts.

Maximum Rate .... Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from 12th 17 h 15 m. to 13th 07 h 00 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	13.45	11.15	90
δ Ursae Minoris	13.45	9.1	66

Radio Disturbances (Atmospherics) at Croydon.*

Time.	Type.	No. per ¼ sec.	Siren.	Direc.
13h.	CC₂	7	-	140°
18h.	CC₂	7	-	5°
01h.	C₁C₂	7	-	45°
07h.	CC₂	6	-	145°

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom.

13th & 14th JANUARY. 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8.1 8.0	12.1 12.2	4.3 4.4
Greenwich	8.3 8.2	12.8 12.9	4.15 4.16
Wick	8.55 8.54	12.20 12.21	3.46 3.48
Valencia	8.46 8.45	12.49 12.50	4.54 4.55

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow. 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
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

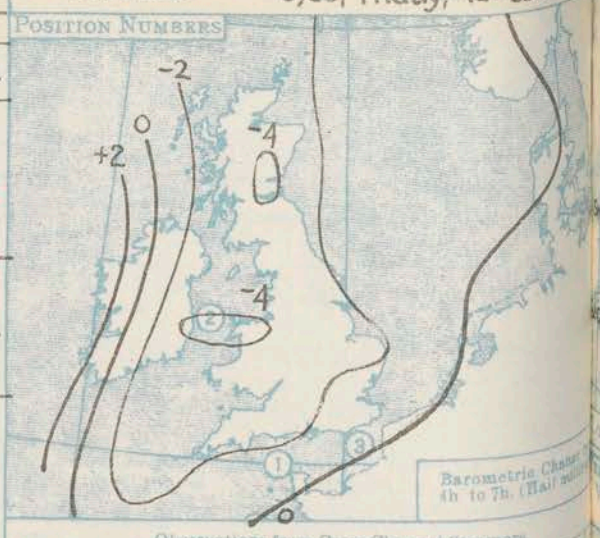
* For explanation, see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS

STATIONS.	WEATHER. 7h.-13h. 12th	13h.-18h. 12th	18h.-1h. 12th to 13th	1h.-7h. 13th	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	c.o	c	c	c	38	34	•	–	–	–	–	•
Stornoway							•					
Wick	c	c	c	c	38	35	•	–	–	–	–	•
Castlebay	bc	oo	codd ⊕		44	43	•	•	0.5	•	•	0.2
Nairn	bcbc			bcbc	34	26	•	–	–	–	–	3.5
Aberdeen	bcbc	bcbc		cbmx	39	30	20	–	–	–	–	1.3
Malin Head	bc	b	bcbc	oo	44	35	•	–	–	–	–	4.8
Renfrew	bm.m.	bbcffc			38			trace		–		
Edinburgh (Inchkeith)	form	form	form	c	39	33	25	–	–	–	–	•
Eskdalemuir	bcbc	bcbc		bccox	39	19	16	–	–	–	–	5.7
Tynemouth	oom	bcm	bcbc bm	mif	41	30	•	trace	–	13.30	–	•
Blacksod Point ...	bcbc	c		rad	43	37	•	?	6	?	01.30	•
Donaghadee	bc	bc	bc	bc	46	33	•	–	–	–	–	•
Birr Castle	bcoc	bcfg	bcco	or ro	37	31	22	–	0.6	–	06.30	4.7
Baldonnell	bcbc	bcbc	bbc.c	cc	40	26	20	–	tr.	–	–	5.5
Holyhead	bcbc	bcbc	bcbc m.m	bcbc	47	33	31	–	–	–	–	6.9
Liverpool (Bidston) ...	bcbc	bcbc		bcbc	41	29	24	–	–	–	–	6.1
Chester (Shotwick) ...	bcbc	bcbc		bcbc	41	25	20	–	–	–	–	•
Howden												
Spurn Head	c	c	bcbc	bcbc	44	35	•	–	–	–	–	2.9
Nottingham	bcbc	bcbm		bcbcX	43	24	25	–	–	–	–	1.5
Cranwell	bcbc	c	bcbc	fxfx	41	27	22	–	–	–	–	5.1
Gorleston	cgcfir	bcbc	bcbx	xbcp	44	31	28	2	trace	<0700	05.30	2.6
Pulham	p	c			45			1		11.00		
Felixstowe	p	p	b.bcx		45	29	28	2	•	<0700	•	2.1
Valencia (Cahirciveen)	bv.c	c	oo	oR ro	46	43	37	–	20.	–	22.00	0.3
Roches Point	bcbc	c		oo	46	45	•	–	1	–	05.30	•
Pembroke (St. Ann's H.)	bcbc	bcbc	bcbc	c	46	38	•	–	–	–	–	7.2
Ross-on-Wye	bc.b.	bbzbmx		bmxffx	41	21	16	–	–	–	–	6.9
Benson	bcbc	bcbc	bx	bx	40	22	16	–	–	–	–	•
S. Farnborough ...	bcbc	bcbc		F	42	19	16	–	–	–	–	6.3
London (Kew Obsy.) ...	bc.bz	bz.bm	bfx	offx	43	28	20	–	–	–	–	5.3
Croydon	bcz	bczm	~~F~~	bomfx	41	27	23	–	–	–	–	3.0
Clacton-on-Sea ...	bccp	cbc.c	cbmx cm	cbcmx	44	28	25	0.2	–	<0800	–	4.4
Shoeburyness	bcbc	bidob		bcbc	43	27	21	0.1	–	1330	–	5.3
Grain	p	bcbc			43	25	15	trace		1100		4.6
Lympne	p	bbcqim	b4mx	bF	41	25	14	trace	–	12.30	–	5.5
Scilly (St. Mary's) ...	bcbc	bcbc	c	oo	48	41	•	–	–	–	–	7.8
Falmouth (Pendennis)	b	b	bbc	c	46	38	•	–	–	–	–	7.8
Plymouth (Cattewater)	bcbc	bcbc	c		43	30	26	–	–	–	–	7.6
Portland Bill	bcbc	bcbc	bcbc	o	48	36	•	–	–	–	–	•
Southampton (Calshot)	bcbc	bcbc	bcbc	bcbc	43	27	24	–	–	–	–	6.5
Dungeness	bcbc	bcbc	bcbc	ff	44	32	•	–	–	–	–	•
Jersey	b	bc b	bwx	•	46	33	•	–	–	–	–	(3) 6.8

ISALLOBARS. 0700, Friday, 13th January



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea
3	13th 0300	Arundel	NNW	2	o–	41	47

GENERAL INFERENCE.

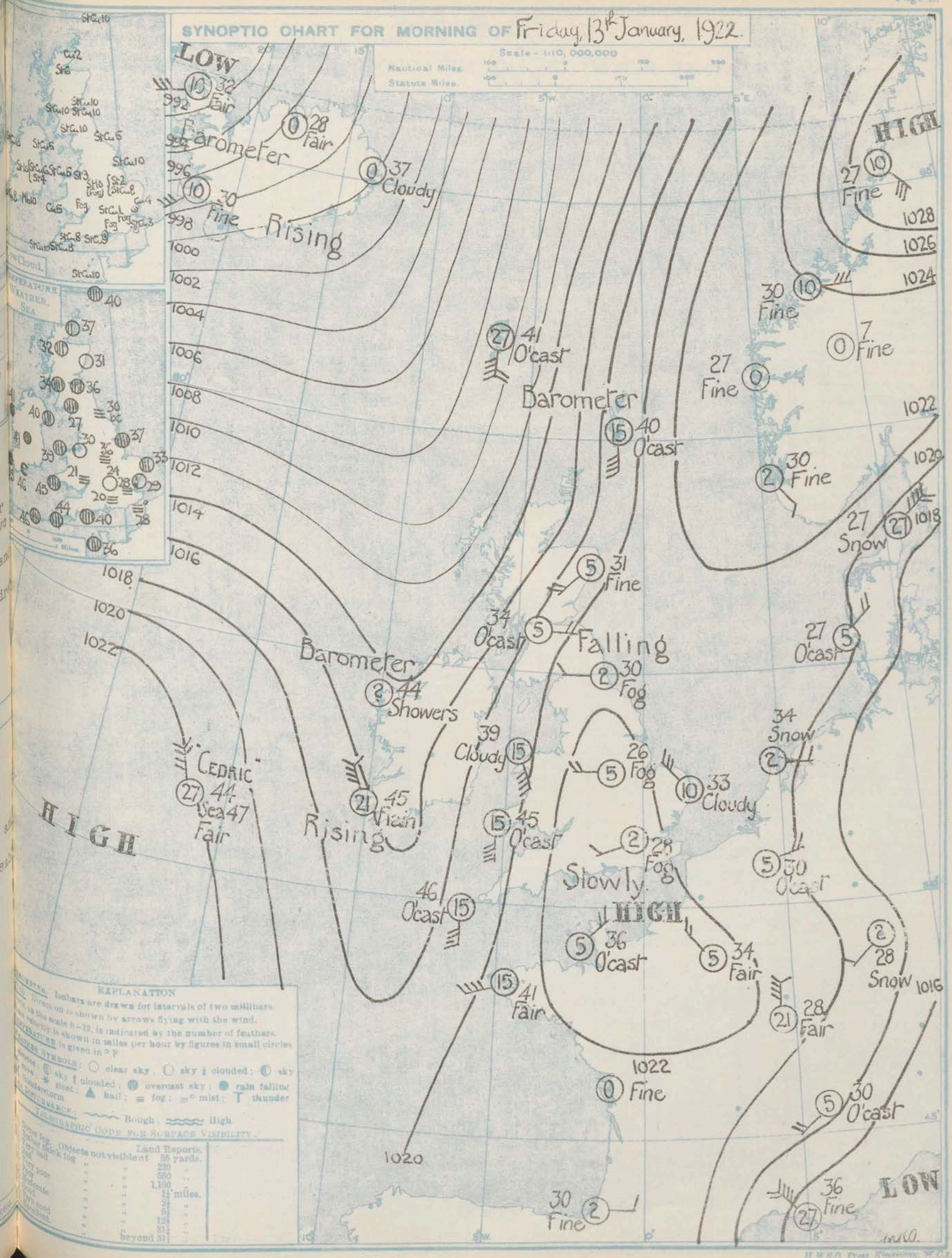
A V-shaped depression over our Western districts will move Eastward and cause Southerly winds, a rise of temperature and some rain, followed by North-Westerly winds, colder and fairer weather.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Friday, 13th January, 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind Southerly, light to moderate or fresh, veering to West or North-West; much cloud, some rain and milder, then fairer and colder; visibility indifferent to fair.	Wind between N.W and W or S.W. Weather and temperature rather changeable.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Wind between West and North-West, moderate; variable sky, some showers of rain or hail; moderate or rather low temperature; visibility fair.	
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	Wind mainly Westerly, moderate; much cloud generally, some showers of rain or hail; rather low temperature; visibility fair.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind North-Westerly to Westerly, moderate or fresh; mainly fair, but some showers of rain or hail; rather low temperature; visibility fair or good.	

R.S.

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 09.30. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. FRIDAY 13th JANUARY 1922. No. 13

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1021·8	-3	SW	3	o-	40	97	8	-	-	-	A.Cu	10	*
Stornoway	1016·7	+2	WSW	1	CO-	*	*	6	*	*	*	*	*	*
Wick	1019·8	-1	S	5	c	38	75	8	-	-	-	A.Cu	6	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1015·4	-8	SSE	4	c+	37	97	8	-	-	0	Ci.St	8	*
Renfrew														*
Edinburgh (Inchkeith)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir														*
Tynemouth	1024·4	-2	W	1	bc	33	85	6	4000	Cu	3	-	3	*
Blacksod Point ...														*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Sirr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1021·3	-5	SE	3	c+	39	75	9	2500	St.Cu	4	A.St	8	*
Holyhead	1022·6	-3	S	4	bc+	*	*	6	2500	Cu	2	Ci	5	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1023·9	-2	NNW	3	bc	26	92	5	-	-	-	-	-	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1023·0	-3	WNW	3	bc	30	97	3	4000	Cu	1	-	1	*
Gorleston	1022·9	-1	W'N	2	b	33	92	6	4000	Cu	1	—	1	*
Pulham														*
Felixstowe														*
Valencia (Cahirciveen)	1014·8	-6	SW	5	co/r	45	*	*	*	*	*	*	*	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (Gt. Ann's H.)	1023·4	-3	SSE	4	bc+	42	85	8	4000	Cu	4	-	4	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	1024·9	-2	W	1	b	30	97	4	—	—	—	—	—	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1024·1	-1	N	1	b	29	92	6	-	-	-	-	-	*
Scilly (St. Mary's) ...	1023·4	-3	S	4	o	44	97	8	4000	St.Cu	8	-	8	*
Falmouth (Pendennis)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plymouth (Cattewater)														*
Portland Bill	1024·9	-2	NE	4	b	37	85	7	-	-	-	-	-	*
Southampton (Calshot)	1024·8	-2	W	2	b	33	85	6	—	—	-	-	-	*
Dungeness	1023·6	-	N	2	b	31	97	5	—	—	-	-	-	*
Jersey 7h } ... ... Guernsey 1h }	1024·7	-2	ENE	2	c	41	75	6	2500	Cu	8	-	8	*

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1019·6	-2	S	4	o	40	97	7	4000	St.Cu	10	-	10	3
Stornoway	1015·5	-3	S	5	bc-	37	75	8	4000	Cu	2	A.Cu	4	1
Wick	1012·9	-2	S	4	odd	43	97	6	800	Nb	10	-	10	5
Castlebay	1016·0	*	-	0	bc+	32	97	8	1500	St	6	-	6	0
Nairn	1019·6	-3	SW	2	b	31	75	5	-	-	-	A.St	1	3
Aberdeen														
Malin Head	1013·2	0	S	2	0	39	97	7	4000	St.Cu	10	·	10	·
Renfrew	1018·9	-3	E	2	o+	34	85	6	5750	St.Cu	10	-	10	
Edinburgh (Inchkeith)	1019·7	-4	WSW	1	o+	36	75	8	-	St.Cu	10	-	10	
Eskdalemuir	1021·1	-3	-	0	o	27	92	7	1500	St.Cu	10	-	10	
Tynemouth	1021·6	-2	W	1	fbc	30	85	3	5750	St.Cu	5	-	5	8
Blacksod Point ...	?	+5	NW	?	PR	44	92	5	-	St.Cu	10	-	10	?
Donaghadee	1017·7	-2	WSW	1	c+	40	75	8	5750	St	5	A.St	8	0
Sirr Castle	1016·3	*	S	2	o.c+	41	92	3	4500	St	10	-	10	·
Baldonnell	1016·2	-4	S'W	5	o	42	75	7	2500	St.Cu	10	-	10	
Holyhead	1019·2	-3	SSE	4	c+	39	92	7	4000	St.Cu	5	A.St	7	1
Liverpool (Bidston) ...	1021·3	-3	SE'S	2	b+	30	85	6	2500	St	3	-	3	·
Chester (Shotwick) ...	1020·5	-5	SSE	2	bc+	26	92	5	-	-	-	Ci.St	5	6
Spurn Head	1021·7	-2	NW	3	o	37	85	5	4000	St.Cu	10	-	10	·
Nottingham	1022·6	*	W	2	fo+	26	85	1	2425	St	10	-	10	·
Cranwell	1022·9	-3	W	2	ffb	31	97	3	2500	St.Cu	10	-	10	
Gorleston	1021·1	-2	NW'W	3	c+	33	92	5	—	-	-	A.St	6	
Pulham														
Felixstowe	1022·1	-1	NW	3	b	31	97	-	~~4000~~	~~St~~	0	-	0	0
Valencia (Cahirciveen)	1016·5	+2	NNW	5	or	45	85	6	1500	St.Cu	8	A.St	0	4
Roches Point	1015·7	-3	SSW	5	or.r	46	97	7	1500	Nb	10	-	10	6
Pembroke (Gt. Ann's H.)	1019·8	-3	S	4	o+	45	75	8	4000	Cu	5	A.St	9	3
Ross-on-Wye	1022·8	-3	—	0	FFo	31	97	1	<150	St	10	-	10	
Benson	1023·0	-1	-	0	b	24	92	4	-	St.Cu	1	-	1	
S. Farnborough ...	1023·5	-2	-	0	ffo	20	97	2	<150	St	10	-	10	
London (Kew Obsy.) ...	1023·1	-1	WSW	1	FFo	28	97	1	<150	St	10	-	10	
Croydon	1023·2	-1	S	1	Fo+	29	97	1	<150	St	10	-	10	
Clacton-on-Sea ...	1021·8	-?	NW	3	b	29	85	5	4000	Cu	4	-	4	
Shoeburyness	1022·3	-2	W'N	1	bf	26	?	3	-	-	-	-	-	0
Grain	1022·9	-2	W	2	FFo	29	97	0	<150	St	10	-	10	0
Lympne	1022·5	-1	NNW	2	bf	25	97	3	4000	St.Cu	3	-	3	
Scilly (St. Mary's) ...	1019·2	-3	S	4	o	46	97	8	4000	St.Cu	10	-	10	4
Falmouth (Pendennis)	1020·6	-2	SE	6	c	44	65	7	2500	St.Cu	8	-	8	1
Plymouth (Cattewater)	1020·6	-4	E	2	c+	36	85	8	2500	St.Cu	8	-	8	0
Portland Bill	1022·2	-3	E	3	o+	40	85	6	1500	St.Cu	9	-	9	0
Southampton (Calshot)	1022·0	-1	—	0	b	29	92	6	-	-	-	-	-	0
Dungeness	1022·0	-1	N	2	mb-	28	97	4	—	—	-	-	-	3
Jersey 7h } ... ... Guernsey 1h }	1022·2	0	NE	2	c	36	85	8	4000	St.Cu	10	-	10	0

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR Thursday, 11th

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 17h.-9h. 11th-12th mm.	Rainfall.† Day 9h.-17h. 12th mm.	Sunshine. Sunrise to Sunset 12th hr.	Sunshine. hr.
Banff	c.bc	bc	42	30	0·1	-	0·7	
Montrose	cbc.c		39	35	-	-	3·6	
Llandudno	bb	b	45	38	0·1	-	6·7	
Colwyn Bay ...	bc	bc	43	37	-	-	6·6	
Rhyl	bc	bc	44	37	-	-	6·5	
Southport	b	b	41	36	-	-	6·6	
Blackpool	b	b	43	34	-	-	5·8	
Harrogate	bbc	b	41	33	-	-	3·9	
Skegness	b	b	45	32	2	-	3·4	
Aberystwyth ...	r.c.b	bbc	43	30	0·3	-	7·3	
Bath	b	b	41	32	-	-	5·6	
Leamington Spa ...	bm	bm	42	32	-	-	4·6	
Lowestoft	oghr	cbc.b	43	33	7	0·4	3·9	
Felixstowe	oph.	bc	44	33	2	1	2·3	
Southend	p.b	bbc.c	44	34	1	0·2	4·8	
Paignton	b	bm	45	33	mm.	mm.	6·9	
Ilfracombe	b	b	45	37	0·4	-	7·2	
Bude	r.bc.b	b	47	33	-	-	4·1	
Penzance	b	b	47	37	0·5	-	8·0	
Falmouth Observatory	b3	b3	47	31	0·1	0·5	7·8	
Torquay	b	b	45	32	0·4	-	7·2	
Weymouth	b	b	45	32	0·6	-	6·7	
Bournemouth ...	b	b	42	33	1	-	7·5	
Portsmouth (S'thsea)	b	b	48	33	-	-	6·3	
Worthing	b	b	43	34	0·3	-	6·3	
Brighton	b	b	43	34	0·6	-	5·7	
Eastbourne ...	b	bc.b	43	34	1	-	6·1	
Hastings	b	b	43	34	1	-	6·6	
Folkestone	xc.bc	c.bc	44	34	trace	-	4·4	
Tunbridge Wells ...	bm	bm	43	33	2	-	1·5	
Ramsgate								
Margate	o	cp	43	35	0·2	-	0·3	
Deal	oc.bc	bc	42	34	3	trace	2·6	

* 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.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 21,969 SATURDAY, 14th JANUARY 1922.

Stations	12h 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	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9	18h 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	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Observations at 1200 G.M.T. 13th															Observations at 1800 G.M.T. 13th													
Lerwick	1016·7	-3	SSE	4	c/r	41	94	7	4000	Nb	8	-	8	*	1016·0	-2	S	4	c/s	40	85	6	5750	StCu	5	ACu	7	3
Stornoway														*														
Wick	1014·5	-2	S	4	c	39	95	8	1500	St	3	Ci	8	*	1012·7	-2	SSW	3	oc	40	85	8	-	-	0	ASt	10	1
Castlebay	1013·6	0	NW	3	r₀r₀	42	92	7	800	Nb	10	-	10	*	1015·9	+2	NW	4	bcr	42	75	8	2500	StCu	5	-	5	4
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1012·9	*	-	0	orr.	35	94	7	1500	St	10	-	10	*
Aberdeen	1017·4	-4	SSW	2	o	37	85	5	2500	St	8	ASt	10	*	1015·5	-1	SSW	2	or₀	35	92	4	2500	Nb	10	-	10	0
Malin Head	1013·8	+2	NW	3	or₀	44	97	8	5750	Nb	10	-	10	*	1014·8	+2	NW	4	or-	44	92	8	4000	CuNb	9	-	9	3
Renfrew	1016·5	-3	ESE	1	o/p	37	85	5	600	St	7	ASt	10	*	1014·7	-1	N	2	or₀r	33	94	3	800	St	10	-	10	*
Edinburgh (Inchkeith)	1017·5	-3	S	2	m.o	36	75	6	*	St	3	ASt	10	*	1015·1	-3	SSE	1	rr₀r₀	35	92	6	*	Nb	10	-	10	*
Eskdalemuir	1018·4	-4	-	0	o	31	85	6	2500	St	10	-	10	*	1016·0	-2	S	2	oss	31	85	4	1500	Nb	10	-	10	*
Tynemouth	1019·4	-3	WSW	2	mo	35	85	4	-	-	0	ASt	10	*	1016·9	-2	SW	1	ffo	33	85	3	-	-	0	ASt	10	2
Blacksod Point	1008·6	0	NW	5	bepr₀	45	75	8	4000	Cu	5	-	5	*	-	+8	NW	4	bcpr₀	42	75	5	4000	Cu	5	-	5	4
Donaghadee	1016·6	-2	SW	1	orr	40	92	8	2500	St	10	-	10	*	1014·2	2	W/S	1	old₀	40	92	6	2500	St	10	-	10	0
Birr Castle	1016·6		W	1	or₀r₀	40	94	6	1400	St	10	-	10	*	1018·2	*	NW	2	c-	39	94	6	2500	Cu	8	-	8	*
Baldonnell	1015·8	-2	S	4	orr	42	92	6	1500	Nb	10	-	10	*	1016·6	+2	WNW	2	r₀r₀	39	86	5	450	St	10	-	10	*
Holyhead	1017·0	-	S/E	5	o	42	92	7	4000	StCu	7	ASt	10	*	1014·7	-2	SSE	5	orr₀	41	94	6	900	Nb	10	-	10	4
Liverpool (Bidston)	1016·8	-3	SE/S	3	cd₀+	34	85	6	2500	StCu	7	-	7	*	1016·6	-1	SE/S	3	o+	35	85	5	2500	St	10	-	10	3
Chester (Shotwick)	1018·6	-3	SSE	3	c	33	85	5	-	-	0	CiSt	9	*	1016·1	-1	WSW	3	o	34	75	5	-	-	0	ASt	10	*
Spurn Head	1020·5	-1	WNW	3	fb	39	92	3	1500	St	1	Ci	2	*	1019·0	-1	NW	3	mo	37	85	4	-	-	0	ASt	10	3
Nottingham	1021·2	*	SSE	1	fo	33	75	2	-	-	0	CiSt	10	*	1018·9	*	SW	1	c-	34	85	5	2500	Nb	3	ASt	8	*
Cranwell	1022·3	0	SW/W	2	o	34	92	4	2500	StCu	10	-	10	*	1020·0	-1	S	3	o-	31	75	6	-	-	0	ASt	9	*
Gorleston	1021·2	-1	WNW	1	mrc	38	92	5	-	-	0	ASt	8	*	1020·1	-1	WNW	2	ffo	35	92	3	1500	St	10	-	10	0
Pulham	1021·1	-1	W/S	2	mo-	36	92	4	11000	StCu	3	CiSt	9	*	1020·4	0	-	0	mbc	30	97	5	6750	StCu	6	-	6	*
Felixstowe	1021·7	-1	NNW	2	c+	38	85	4	5750	StCu	3	CiCu	7	*	1021·0	-1	NW	2	bc	36	85	6	-	-	0	ASt	5	0
Valencia (Cahirciveen)	1019·4	+3	NNW	6	bc-	46	65	8	2500	StCu	4	ACu	5	*	1021·5	+3	N	5	bc	45	75	8	2500	StCu	4	CiSt	6	6
Roches Point	1017·4	0	N	4	or	44	92	7	1500	Nb	10	-	10	*	1018·1	+2	NNW	4	b-	43	85	8	4000	StCu	1	Ci	2	1
Pembroke (St. Ann's H.)	1018·5	-1	SSW	5	o/p	45	85	8	2500	Nb	4	ASt	10	*	1015·3	-2	SSW	5	orr	45	94	7	2500	Nb	10	-	10	5
Ross-on-Wye	1020·7	-3	-	0	o⊕	31	85	4	-	-	0	CiSt	9	*	1018·7	-2	SW	2	o	35	75	4	2500	St	10	-	10	*
Benson	1022·5	0	-	0	fbo	34	92	5	*	StCu	3	Ci	5	*	1020·0	-2	S	1	off	34	75	4	*	St	10	-	10	*
S. Farnborough	1022·6	-1	-	0	fb	33	85	3	-	-	0	ACu	3	*	1020·4	-3	S/E	2	mo	33	85	4	11000	St	10	-	10	*
London (Kew Obsy.)	1022·5	-2	-	0	FFo	30	94	0	<150	St	10	-	10	*	1020·4	-3	-	0	FFo	30	97	0	<150	St	10	-	10	*
Croydon	1022·5	-2	-	0	FFo	30	94	1	<150	St	10	-	10	*	1020·9	-2	S	2	off	35	86	4	-	-	0	CiSt	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1020·4	0	WNW	2	ffc-	35	85	3	-	-	0	ASt	7	0
Shoeburyness	1021·9	-1	W	1	bc	34	75	3	4000	St	3	ACu	6	*	1020·6	-2	-	0	Fo+	28	85	0	<150	St	10	-	10	*
Grain	1022·1	-1	W	1	ffo	34	94	3	-	-	0	CiSt	9	*	1021·0	-1	-	0	fo	34	75	4	-	-	0	CiSt	10	0
Lympne	1021·5	-3	NW/W	3	c+	36	75	4	4000	StCu	1	CiSt	8	*	1021·4	0	WNW	2	o⊕	32	85	5	-	-	0	CiSt	10	-
Scilly (St. Mary's)	1017·4	-2	SW/S	4	o	47	94	8	4000	StCu	10	-	10	*	1016·4	-1	SSW	4	or₀	47	97	7	4000	Nb	10	-	10	5
Falmouth (Pendennis)	1021·1	-2	SSW	5	obr₀	45	95	7	2500	StCu	10	-	10	*	1017·3	-2	SW	6	o	45	75	7	2500	StCu	10	-	10	1
Plymouth (Cattewater)	1020·1	-1	S	4	o	45	75	8	2500	StCu	2	CiSt	10	*	1018·1	-2	S	4	or₀+	45	92	8	1500	Nb	10	-	10	4
Portland Bill	1022·2	0	SW	2	o	44	75	*	-	-	0	ASt	10	*	1019·3	-3	SW	5	o	44	75	6	-	-	0	ASt	10	4
Southampton (Calshot)	1022·2	-3	ENE	1	c/f	38	65	4	5750	StCu	4	CiSt	8	*	1019·9	-3	SSE	3	o	44	75	6	5750	StCu	10	-	10	0
Dungeness	1021·5	0	N	2	bcf	34	92	5	-	-	0	CiSt	4	*	1021·1	-1	NNW	2	bc+	35	85	6	-	-	0	CiCu	6	1
Jersey	1021·4	0	S	3	o	41	75	8	4000	StCu	10	-	10	*	1021·3	0	S	3	o	40	75	8	4000	StCu	10	-	10	0

London Observations	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. °F.	Temp. Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)
	24 Hours ended 0900 G.M.T. 14th										
Kew	oFx	ofx	s₀om bcm	*	*	28	—	·4	0·0	*	*
Croydon (24 hours ended 0700)	obofex	ofεm	om	*	*	29	tr	tr	*	*	*
Greenwich (Royal Obsy.)	F	b	o⊕	36	28	25	—	1	0·0	83	77
City (Bunhill Row)	*	*	*	*	*	*	*	*	0·0	*	*
Westminster (St. James' Pk.)	*	*	*	39	29	24			0·0	89	75
Regents Pk. (Botanical Gdns.)	*	*	*			*	*	*		*	
Camden Sq. (Brit. Rainfall)	fx	bcm	*	38	29	26	—	1	*	94	86
Kensington Palace	of	of	*	34	28	28	—	0·2	*	88 (18h)	90
Hampstead Observatory	*	*	*	36	33	*	—	1	2·1	*	82

Atmospheric Pollution. Milligrams of Solid impurity per cubic metre.
24 Hr. ended 1800 G.M.T.

South Kensington Max.	Time.	Min.	Time.
0·6	1100 12th	0·3	0100 13th
2	1200 13th		

Kew Observatory Max.	Time.	Min.	Time.
0·8	1100 12th	0·3	0200 13th
1·6	1500 13th		

Solar Radiation. Vertical component per square centimetre.
During yesterday.
South Kensington.
Total .... joules
Average Rate
.... Milliwatts.
Maximum Rate
.... Milliwatts.

Pole Star Record at Greenwich Obsy.
Exposure from .... h. ...... m.
to .... h. ...... m.

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

Radio Disturbances (Atmospherics) at Croydon.

Time.	Type.	No. per ¼ sec.	Stren.	Direc.
1h.	-	-	-	-
7h.	cx₂	7	-	175°
13h.	cc₂	7	-	10°
19h.	cx₂	7	-	100°

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom.
14th & 15th January. 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8·0 / 7·59	12·2 / 12·2	4·14 / 4·15
Greenwich	8·2 / 8·1	12·9 / 12·9	4·16 / 4·17
Wick	8·54 / 8·53	12·21 / 12·21	3·48 / 3·50
Valencia	8·46 / 8·44	12·50 / 12·50	4·55 / 4·56

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, or fine rain. f fog.
h hail. KQ line squall, l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow. 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.
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.

Sea Disturbance.
0=no swell, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 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

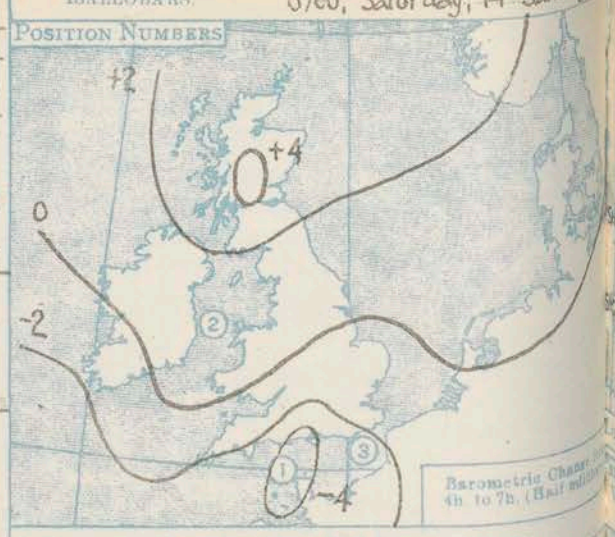
For explanation, see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

M.O. Form 2370.

Summaries for the Past 24 Hours.

Stations.	Weather. 7h.-13h. 13th	13h.-18h. 13th	18h. 13th to 1h. 14th	1h.-7h. 14th	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	p	ph.r	p	bb	41	36	•	trace	2	12.30	<2100	•
Stornoway	c		c				•					
Wick	c	c	or.r.	or.r.	40	35	•	-	1	-	<2100	•
Castlebay	ddnr	r.bc	be.	c	43	38	•	1	-	-	-	0.0
Nairn	oo		r a d.	m	34	33	•	2	7	15.30	<2100	oo
Aberdeen	bc.om	omr..	rs.dm		37	34	32	0.4	1	16.30	<2100	oo
Malin Head	oo	oir.					•	0.3		12.30		
Renfrew	or. M.	of.s.s.	os.	fx	36	31	25	2	2	15.30	<21.00	oo
Edinburgh (Inchkeith)	f.m	s.b	sars	oo	37	33	32	1	4	16.30	24.00	•
Eskdalemuir	oo	oosm	osmom		32	30	30	0.3	8	15.30	#	oo
Tynemouth	ff	ff	ffs.s.	ffs.s.	36	32	•	-	2	-	<2100	•
Blacksod Point	p	p		p	45	39	•	2	2	14.30	02.30	•
Donaghadee	omd	omd	omr	bcq	43	39	•	3	2	09.00	<2100	•
Birr Castle	or.r.	c.oidr			42			2		<08.00		
Baldonnell	orrm	orrim	c	bbcx	40	29	28	4	—	11.00	—	oo
Holyhead	oo	orr	or.r.	rro	43	39	37	3	12	15.30	<21.00	oo
Liverpool (Bidston)	b.bc	oo	s. r		37	26	•	-	12	-	<2100	oo
Chester (Shotwick)	c.oxmo	om.om	sso		34	33	32	-	9	-	<2100	•
Spurn Head	f	f.m	oo	oo	39	35	•	-	0.2	-	0630	•
Nottingham	f.m	oom	s.s.		34	28	27	-	6	-	22.00	oo
Cranwell	m	oo	mm	sf	35	30	27	-	4	-	24.00	oo
Gorleston	f.m	f.m	ofmx	ofcx	38	32	28	-	—	-	—	1.4
Pulham	oo	c	sars	sars	36	27	*	-	—	-	—	1.0
Felixstowe	b.bc	f.m		p	39	30	29	-	0.4	-	02.30	~~0.6~~ 0.5
Valencia (Cahirciveen)	ob.c.bc	bc.cb	babc	bcbco	46	42	32	1	0.5	< 0800	<2100	3.0
Roches Point	r.d	r.d	ba	bc	48	37	•	12	trace	< 0800	—	•
Pembroke (St. Anne's H.)	oo	orr	oqir	cirbc	46	41	*	1	2	14.30	<21.00	oo
Ross-on-Wye	F.cmx	om.c.om	or.p	s r s	35	33	32	-	7	-	22.00	oo
Benson	fx.b	m.c	r r		35	32	26	0.1	4	-	24.00	•
S. Farnborough	F	ff	ps.	pr.	34	33	31	-	2	-	-	oo
London (Kew Obsy.)	oFx	ffx	pr.	cmbcm	31	28	28	-	0.4	-	<2100	oo
Croydon	ab.ofex	ofcmo	ovm	omw	34	33	29	trace	trace	-	—	0.4
Clacton-on-Sea	bc.cm		ocx	coxom	39	33	25	-	—	-	—	1.5
Shoeburyness	b.bc	o F	sars		40	23	22	-	2	-	05.30	—
Grain	F	oomff						trace		-		
Lympne	b.bcsfm	b.bcm	com.	or.	38	31	18	-	0.2	-	24.00	4.2
Scilly (St. Mary's)	oo	f.d	p	p	49	40	•	1	6	14.30	<2100	oo
Falmouth (Pendennis)	c.omp	omp	omcmp	cpbcq	46	37	*	0.5	4	11.00	01.30	oo
Plymouth (Cattewater)	oo	r.d	rad		45	40	37	trace	6	14.30	<2100	oo
Portland Bill	oo	oo	rad	rad	45	40	•	-	7	-	<2100	•
Southampton (Calshot)	f.m	f.m	oo	rad	41	37	37	-	1	-	04.30	0.7
Dungeness	fx.m	m/mx	c	o	40	34	•	-	-	-	—	•
Jersey	o.c.o	o	oo	ordw	43	37	•	-	1	-	02.30	oo

ISALLOBARS. 0700, Saturday, 14th January



Observations from Cross Channel Steamers

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea
2	13th 1000	CAMBRIA	NW	3	bv	41	48
1	13th 1300	RHINDGER	SE'S	3	co-	45	36

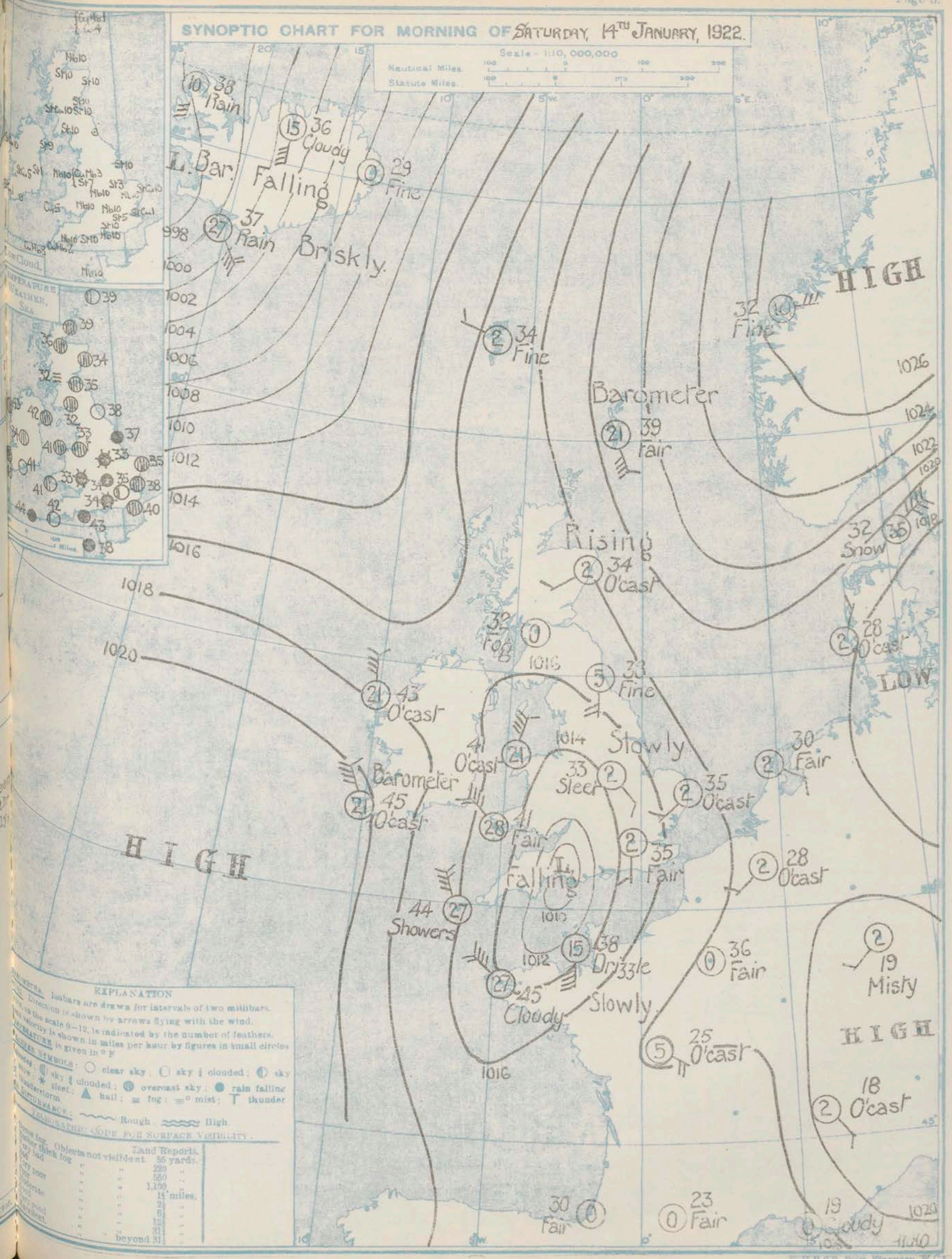
GENERAL INFERENCE.

A depression centred near Portland Bill will probably move South-Eastward or Southward, while an anticyclone over Scandinavia, is likely to extend towards this country and cause East and North-East winds, with a rather low temperature. Some snow is to be expected in most parts of Great Britain.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Saturday, 14th January, 1922.	Further Outlook
1. S.E. England 2. E. England 3. E. Midlands	Wind S.E. to E. or N.E., moderate, stronger at times; much cloud, some sleet or snow; cold; visibility indifferent to fair.	Wind between East and North East generally with a low temperature.
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 mainly between E. and N.E., light or moderate to fresh; cloudy or overcast, some snow; cold; visibility fair generally.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind S.E. or S., increasing in force; much cloud, some rain or snow; temperature falling later.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind mainly between N. and N.E., moderate or fresh; cloudy or overcast; some rain or sleet; rather cold.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 09.00. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Saturday, 14th January 1922. No. 14

Observations at 0100 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	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1017.7	+3	S	4	pr.	36	97	7		Cu nb	2	A.St	9	*
Stornoway	1018.8	-3	SW	5	co+	*	*	*	*	*	*	*	*	*
Wick	1014.3	+2	S	2	rc	34	92	7	2500	Nb	7	A.St	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head														*
Renfrew														*
Edinburgh (Inchkeith)	1014.4	0	NNE	1	ff o	34	97	6	–	Nu	10	–	10	*
Eskdalemuir														*
Tynemouth	1015.2	-1	–	0	s.s.	33	97	2	2500	Nb	10	–	10	*
Blacksod Point														*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1017.4	0	W'S	3	b	33	85	8	–	–	–	A.St	1	*
Holyhead	1013.0	-1	N	6	R-	*	*	8	300	Nb	10	–	10	*
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Sholwick)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1015.8	-4	S	4	0	36	92	5	–	–	–	A.St	9	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1016.4	-4	SE'S	3	s.+	31	85	5	1500	St	10	–	10	*
Gorleston	1019.1	-2	SW'W	2	0+	33	75	5	3750	St Cu	10	–	10	*
Pulham														*
Felixstowe														*
Valencia (Cahirciveen)	1	+2	NW	4	bc+	44	92	6	–	Cu	2	A.Cu	4	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Anu's H.)	1013.8	+1	NNW	6	r	43	92	7	2500	Nb	10	–	10	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	1017.4	-4	S	3	0	36	85	6	1500	St Cu	3	Ci St	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1017	+4	W	1	ro	37	97	7	2500	Nb	10	–	10	*
Scilly (St. Mary's)	1017.4	0	NW	5	r.	45	97	7	4000	Cu Nb	10	–	10	*
Falmouth (Pendennis)	1015.2	0	NW	5	pr.	44	75	7	4000	Cu Nb	8	*	8	*
Plymouth (Cattewater)														*
Portland Bill	1014.1	-4	WSW	6	ro.	43	85	7	450	St	10	–	10	*
Southampton (Calshot)	1016.1	-4	S'E	4	0	42	75	6	1500	St	1	A.St	10	*
Dungeness	1017.9	-3	SW	4	c+	41	75	8	4000	Cu nb	6	–	6	*
Jersey 7h / Guernsey 1h	1013.5	-4	S	5	0	39	75	8	–	–	–	A.St	10	*

Observations at 0700 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	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1020.5	+3	SSE	5	bc	39	85	7	7250	Cu	5	–	5	*
Stornoway	1017.1	+3	S	3	o/r	39	92	8	4000	Nb	10	–	10	1
Wick	1018.1	+1	N	2	bc	40	75	8	2500	St Cu	6	–	6	2
Castlebay	*	–	–	0	o/r	36	85	7	1500	St	10	–	10	0
Nairn	1016.9	*	–	0	o/r	36	85	7	1500	St	10	–	10	0
Aberdeen	1017.4	+2	SW'W	1	o/r	34	97	4	2500	St	10	–		
Malin Head														
Renfrew	1017.2	+3	–	0	ff o	32	97	3	7250	St Cu	10	–	10	1
Edinburgh (Inchkeith)	1016.6	+3	NE	2	o	35	92	7	–	St	10	–	10	2
Eskdalemuir	1016.8	+2	NE	2	o	32	97	5	1500	St	10	–	10	*
Tynemouth	1016.2	+1	S	2	b/s	38	85	6	–	–	–	–	–	1
Blacksod Point	?	H	N	5	o+	43	92	5	<150	St Cu	10	–	10	4
Donaghadee	1015.6	+1	NNE	3	o	42	85	7	2500	St	9	–	9	3
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1017.6	0	W	2	bc+	31	97	7	1500	Cu St	3	St	4	*
Holyhead	1014.2	+1	NNE	5	o	41	92	6	1500	Nb	10	–	10	4
Liverpool (Bidston)	1014.0	+1	SSE	3	f o-	33	92	3	300	St	10	–	10	*
Chester (Sholwick)	1012.5	+2	SE	2	o/s	33	97	4	–	–	–	A.St	10	*
Spurn Head	1016.4	+1	SSE	3	or.	37	92	5	450	St	10	–	10	4
Nottingham	1014.9	*	SE	1	rs rs.	33	92	4	2500	Nb	10	–	10	*
Cranwell	1016.1	0	SEE	3	os. s.	32	97	3	800	Nb	10	–	10	*
Gorleston	1017.9	-1	SW	1	o	35	92	4	3750	St Cu	10	–	10	*
Pulham	1016.9	-1	ENE	1	os. s.	33	97	4	1500	Nb	10	–	10	*
Felixstowe	1016.0	-1	SE	3	c	37	92	7	–	–	–	A.St	8	0
Valencia (Cahirciveen)	1020.2	-2	NNW	5	o/r	45	75	8	2500	St Cu	1	A.Cu	10	4
Roches Point	1017.5	-1	NW	3	b	41	92	8	–	–	–	–	–	0
Pembroke (St. Anu's H.)	1014.2	+1	NW	6	bc	41	85	8	4000	Cu	5	–	5	4
Ross-on-Wye	1012.5	+1	ESE	1	rs-	33	97	4	450	Nb	10	–	10	*
Benson	1013.8	0	ESE	4	rc	34	92	5	–	Nb	10	–	10	*
S. Farnborough	1014.4	-2	SSE	2	rs.	34	97	5	1500	St	10	–	10	*
London (Kew Obsy.)	1015.3	-1	S	1	bc/s	36	85	5	2500	St	5	–	5	*
Croydon	1015.9	-1	S	2	o/s	36	75	6	2500	St Cu	3	A.St	10	0
Clacton-on-Sea	1016.4	0	SSE	2	o/f	28	85	7	–	–	–	A St	10	*
Shoeburyness	1016.2	-2	–	0	b/n	33	75	6	4000	St Cu	1	–	1	*
Grain														*
Lympne	1016.2	-1	SW	4	o	35	85	7	–	–	–	Ci St	10	*
Scilly (St. Mary's)	1016.0	-1	NNW	6	PR	44	92	7	4000	Cu Nb	8	–	8	5
Falmouth (Pendennis)	1014.3	-2	NW	6	b-	42	66	7	2500	Cu Nb	2	–	2	1
Plymouth (Cattewater)	1012.6	0	NNW	4	orr	40	97	7	1500	Nb	10	–	10	5
Portland Bill	1009.3	-4	W	6	orr	43	85	6	450	St	10	–	10	0
Southampton (Calshot)	1013.2	-4	S'E	5	ro.	38	92	8	1500	Nb	10	–	10	5
Dungeness	1016.0	-2	SW	4	o ⊕	40	75	8	–	–	–	A St	10	5
Jersey 7h / Guernsey 1h	1013.8	-4	S	4	⊕d. d.	38	92	7	1500	Nb	10	–	10	5

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

Stations	Weather Forenoon.	Weather Afternoon.	Temperature Max. Day °F.	Temperature Min. Night °F.	Rainfall† Night 17h.-9h. 12th-13th	Rainfall† Day 9h.-17h. 13th	Sunshine Sunrise to 17h. 13th	Sunshine Sunrise to Sunset.
					mm.	mm.	hr.	hr.
Banff	bc. c	o	36	27	-	-	0.0	
Montrose	of	of/s	34	24	-	-	0.0	
Llandudno	oo	od	41	30	-	-	0.0	
Colwyn Bay	bc	x.c.c	41	30	-	-	0.3	
Rhyl	c	c.o	40	28	-	-	0.0	
Southport	x. bc.c	c.o	35	28	-	-	0.0	
Blackpool	om	mo	35	28	-	-	0.0	
Harrogate	3	3	35	28	-	-	0.0	
Skegness	mc.c	c.c	38	34	-	-	0.3	
Aberystwyth	o.c	o	42	30	-	-	0.0	
Bath	m. bc.c	mc	36	22	-	-	0.1	
Leamington Spa								
Lowestoft	ofb.c	c.o	38	31	-	1	1.5	
Felixstowe	cm	bm	38	28	-	-	0.5	
Southend	xf	f	35	25	-	-	0.0	

Stations	Weather Forenoon.	Weather Afternoon.	Temperature Max. Day °F.	Temperature Min. Night °F.	Rainfall† Night 17h.-9h. 12th-13th	Rainfall† Day 9h.-17h. 13th	Sunshine Sunrise to 17h. 13th	Sunshine Sunrise to Sunset.
					mm.	mm.	hr.	hr.
Paignton	om. o	o	44	28	-	-	3.0	
Ilfracombe	c. o	o	43	33	-	-	0.2	
Bude	x. b	bc. c	44	28	-	-	0.0	
Penzance	c. o	o. c. o	42	36	-	-	0.0	
Falmouth Observatory	c. or	r. or	46	36	-	1	0.0	
Torquay	o	o	45	32	-	-	0.0	
Weymouth	of	fo	43	29	-	-	0.0	
Bournemouth	o	o	42	25	-	-	0.0	
Portsmouth (S'thsea)	bo	bc	40	24	-	-	0.0	
Worthing	b	bc. b	40	29	-	-	3.2	
Brighton	f	f	40	29	-	-	3.0	
Eastbourne	b	bc	41	28	-	-	5.4	
Hastings	x. b. bc b	b. bc. o	41	32	-	-	5.5	
Folkestone	bc	bc	42	31	-	-	4.2	
Tunbridge Wells	cf. c. bc	bc. cf	41	24	-	-	3.4	
Ramsgate	bc	o	37	29	-	-	1.3	
Margate	of. c	c	39	32	-	-	0.2	
Deal	c. bc	bc. c	38	29	-	-	2.3	

* 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

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.21969 SUNDAY 15th JANUARY 1922. Page 1.

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	Height of Low Cloud Feet	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea 0-9
Lerwick	1023.1	+3	SSE	6	cpr	36	85	7	4000	CuNb	8	–	8	*
Stornoway														*
Wick	1019.0	+3	SE	5	o	41	75	6	5750	StCu	10	–	10	*
Castlebay	1018.5	0	E	2	c	42	75	8	2500	StCu	8	-	8	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1021.4	+3	SE'S	4	o/s	39	85	6	1500	StCu	10	-	10	*
Malin Head														*
Renfrew	1019.7	+1	–	0	mmo	34	97	4	800	StCu	10	*	10	*
Edinburgh (Inchkeith)	1020.2	+2	NE	1	mmo	37	92	5	–	StCu	5	–	5	*
Eskdalemuir	1019.9	+1	–	0	c	32	92	6	–	–	0	A.Cu	8	*
Tynemouth	1020.0	+2	–	0	ffo	36	85	2	–	–	0	A.St	10	*
Blacksod Point	?	-2	SSE	3	o	44	85	8	450	StCu	10	–	10	*
Donaghadee	1018.6	0	SE	3	bc-	39	85	7	4000	Cu	3	Ci	5	*
Birr Castle	1019.6		NW	1	c+	38	97	7	2500	StCu	8	–	8	*
Baldonnell	1019.0	0	–	0	o+	37	85	6	2500	StCu	5	CiCu	9	*
Holyhead	1017.3	+2	NE'E	2	o	39	97	6	1500	St.	10	–	10	*
Liverpool (Bidston)	1017.1	+1	ESE	2	o-	35	97	4	1500	Nb	9	–	9	*
Chester (Shotwick)	1016.3	+1	SE	1	o	35	92	5	1500	St.	10	–	10	*
Spurn Head	1019.2	+3	SE	3	odo	37	92	5	1500	St.	10	–	10	*
Nottingham	1018.0	*	ESE	2	orsrs	34	97	4	2500	Nb	10	–	10	*
Cranwell	1019.2	+2	E'N	3	orsrs	33	97	3	800	Nb	10	–	10	*
Gorleston	1018.6	+1	SSE	2	o+	35	97	6	4000	Nb	10	–	10	*
Pulham	1017.9	0	NE	2	o	35	92	5	5750	StCu	10	–	10	*
Felixstowe	1019.1	+2	E'N	3	o	39	85	7	4000	StCu	6	A.St	10	*
Valencia (Cahirciveen)	1020.5	-1	NE'N	2	bc	48	85	9	2500	StCu	4	A.Cu	6	*
Roches Point	1018.9	-1	NW	3	o+	42	85	8	–	–	–	A.Cu	9	*
Pembroke (St. Ann's H.)	1015.1	+1	NE	4	mo	41	92	6	1500	St.	10	–	10	*
Ross-on-Wye	1016.3	+3	E'N	1	mo-	35	97	6	1500	St.	10	–	10	*
Benson	1016.9	+3	E	3	bc/r	37	85	7	–	Cu	5	–	5	*
S. Farnborough	1017.0	+2	E'S	2	o	37	92	6	1500	St.	10	–	10	*
London (Kew Obsy.)	1017.3	+1	ESE	2	c/f	39	75	5	1250	Cu	2	A.Cu	8	*
Croydon	1017.6	+2	SE'S	2	o/s	38	75	6	4000	StCu	10	–	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1017.6	+2	SE	1	bc+	41	75	7	4000	Cu	6	–	6	*
Grain	1018.1	+2	SW	1	bc+	41	75	8	4000	StCu	4	Ci	5	*
Lympne	1017.7	+1	W	2	c+	38	75	9	1500	Cu	6	Ci.St	7	*
Scilly (St. Mary's)	1016.2	0	NNW	5	bc-	46	97	8	4000	Nb	5	–	5	*
Falmouth (Pendennis)	1014.7	0	N	6	c/s	44	75	7	2500	CuNb	7	–	7	*
Plymouth (Cattewater)	1013.0	0	N	4	o	42	85	7	1500	StCu	10	–	10	*
Portland Bill	1011.7	+3	SE	5	c/s	43	85	7	1500	StCu	7	–	7	*
Southampton (Calshot)	1015.4	+3	SE'E	3	o	40	95	7	1500	Nb	8	A.St	10	*
Dungeness	1017.3	+1	SW	3	bc	41	75	8	4000	Cu	5	–	5	*
Jersey	1014.5	0	S	4	o/s	38	92	8	1500	Nb	10	–	10	*

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	Height of Low Cloud Feet	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea 0-9
Lerwick	1021.2	-2	S	5	bc-	38	75	7	4000	CuNb	6	–	6	4
Stornoway														
Wick	1018.1	-1	S	6	o	39	92	8	4800	StCu	10	–	10	4
Castlebay	1016.1	-1	SE	4	ov	42	75	8	1500	St	10	-	10	4
Nairn	1018.4	*	–	0	o	37	85	8	1500	St.	9	–	9	*
Aberdeen	1021.4	0	SSE	3	o/r	39	75	6	4000	StCu	10	–	10	4
Malin Head														
Renfrew	1019.9	+1	ENE	1	fo+	32	97	2	<150	St	10	–	10	*
Edinburgh (Inchkeith)	1020.0	+1	SE	2	bc/f	37	85	7	–	StCu	4	–	4	1
Eskdalemuir	1020.9	0	NE'E	1	mmb	27	97	4	225	St	3	–	3	*
Tynemouth	1020.3	+1	–	0	ffo	36	92	2	–	–	0	A.St	10	0
Blacksod Point	?	-5	S	3	o	43	92	5	<150	StCu	10	–	10	4
Donaghadee	1018.6	0	SE	2	o+	40	75	6	2500	St.	10	–	10	2
Birr Castle	1018.8	*	NW	1	o	37	97	6	2500	StCu	9	–	9	*
Baldonnell	1018.1	0	–	0	o	35	92	6	1500	StCu	10	–	10	*
Holyhead	1017.8	+1	SE	1	o	38	92	6	1500	StCu	10	–	10	0
Liverpool (Bidston)	1019.5	+1	ESE	3	o	35	92	3	2500	Nb	10	–	10	3
Chester (Shotwick)	1017.9	+1	SE	2	o/r	35	92	4	<150	St	10	–	10	*
Spurn Head	1019.6	0	SE	3	o	38	85	6	1500	St	7	–	7	3
Nottingham	1019.7	*	E	2	o/s	33	97	4	2500	Nb	10	–	10	*
Cranwell	1020.3	+1	NE	2	o	33	97	4	800	St.	10	–	10	*
Gorleston	1019.0	+1	E	4	c-	37	75	7	4000	Cu	1	A.St	7	1
Pulham	1019.0	+1	NE	1	o	33	100	5	5000	StCu	10	–	10	*
Felixstowe	1019.3	0	NNE	3	o	34	97	7	2500	StCu	10	–	10	0
Valencia (Cahirciveen)	1019.1	-1	–	0	o/r	45	85	8	4000	StCu	10	–	10	4
Roches Point	1017.7	0	N	1	o	42	85	8	4000	St.	10	–	10	0
Pembroke (St. Ann's H.)	1017.5	+1	ENE	3	o/f	40	92	7	2500	St.	10	–	10	3
Ross-on-Wye	1018.3	+1	E	2	o	35	85	6	1500	St	10	–	10	*
Benson	1018.4	+2	–	0	o+	34	85	7	–	St.	10	–	10	*
S. Farnborough	1018.5	+2	SE	1	bcro	35	92	6	2500	Nb	5	–	5	*
London (Kew Obsy.)	1018.8	+2	SE	1	mmb	36	85	4	–	–	0	A.St	2	*
Croydon	1018.9	+2	SSE	1	bc	34	92	6	4000	StCu	3	Ci.St	6	*
Clacton-on-Sea	1018.8	+2	NNE	2	c	37	85	6	7250	StCu	8	–	9	0
Shoeburyness	1018.6	+2	–	0	bc	36	85	7	4000	Cu	6	–	6	*
Grain	1018.7	0	ENE	3	o+	38	85	8	4000	StCu	9	–	9	0
Lympne	1018.4	0	S	1	c	35	85	8	2500	StCu	5	A.St	7	*
Scilly (St. Mary's)	1016.2	0	NE	3	o	45	92	7	4000	Cu	10	–	10	5
Falmouth (Pendennis)	1016.1	+2	NNE	5	b-	41	75	7	4000	Nb	3	–	3	1
Plymouth (Cattewater)	1015.0	+2	ENE	3	o	42	97	7	1500	StCu	10	–	10	0
Portland Bill	1015.0	+4	ESE	5	or-	42	85	7	1500	StCu	7	–	7	6
Southampton (Calshot)	1018.2	+3	NE'N	3	odd	38	92	7	800	Nb	10	–	10	3
Dungeness	1018.2	0	S	1	bc+	37	85	8	–	–	0	A.Cu	6	3
Jersey	1016.0	+1	S	4	o	38	92	8	1500	Nb	10	-	10	3

London Observations (24 Hours ended 0900 G.M.T. 15th; Sunshine: Yesterday; Humidity 15h. G.M.T.: Yesterday, 9h. G.M.T.: To-day)

London Observations	Weather Morning	Weather Afternoon	Weather Night	Temp. Max °F.	Temp. 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. %
Kew (24 hours ended 0700)	blcmcz	bczbm	omo	*	*	25	tra	–	0.9	*	*
Croydon (24 hours ended 0700)	obcosm	obczm	bcomx	*	*	23	tra	–	1.2	*	*
Greenwich (Royal Obsy.)	c	c	cox	41	27	18	–	–	1.8	77	80
City (Bunhill Row)	*	*	*	*	*	*	*	*		*	*
Westminster (St. James' Pk.)	*	*	*	41	32	25	–	–		70	79
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*	0.2	*	–
Camden Sq. (Brit. Rainfall)	bcm	c	*	41	27	23	–	–	*	71	78
Kensington Palace	b.bc	oo	*	46	31	25	–	–	*	89 (obs)	80
Hampstead Observatory	*	*	*			*				*	

ATMOSPHERIC POLLUTION. Milligrams of Solid impurity per cubic metre.
24 Hrs. ended 1800 G.M.T. ....

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.

SOLAR RADIATION. Vertical component per square centimetre.
During yesterday.
South Kensington.
Total .... joules
Average Rate .... Milliwatts.
Max'mum Rate .... Milliwatts.

POLE STAR RECORD at Greenwich Obsy.
Exposure from ....h......m. to ....h......m.

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

RADIO DISTURBANCES (Atmospherics) AT CROYDON.*

Time.	Type.	No. per sec.	Stren.	Direc.
1h.	C.C₁	7	–	175
13h.	C.C₂	6	–	155
6h.	C.C₂	8	–	30
9h.	C.C₁	7	–	155

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.
15th & 16 JANUARY, 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.59 / 7.58	12.2 / 12.3	4.5 / 4.4
Greenwich	8.1 / 8.1	12.9 / 12.10	4.14 / 4.19
Wick	8.53 / 8.52	12.21 / 12.22	3.50 / 3.52
Valencia	8.44 / 8.43	12.50 / 12.51	4.56 / 4.58

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow. t thunder.
v unusual visibility. y dry air.
z dust haze: the turbid atmosphere of dry weather.
jp precipitation within sight.

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

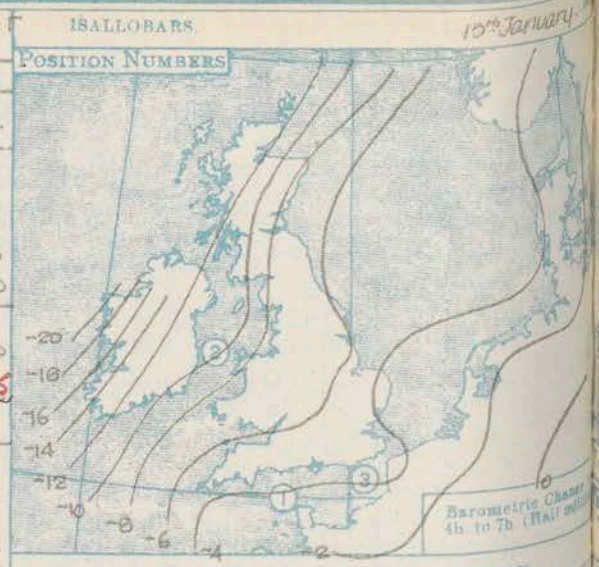
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

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

M.O. Form 2370.

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. Hours.
Lerwick	c	c	b or bc	c	41	36	•	0.2	0.1	1330	0230	•
Stornoway							•					
Wick	oo	oo	oo	oo	41	36	•	–	–	–	–	•
Castlebay	cbcfo	o	opr. o r r		44	40	•	0.1	6	–	<2100	2.0
Nairn	oo		oo q		37	34	•	0.4	–	1100	–	0.0
Aberdeen	omps. gbm	olr. m	o i m o q		39	36	33	1	–	<0800	–	0.0
Malin Head							•					
Renfrew	om x	omafx	o f o r s.		35	30	24	2	0.1	1100	0330	0.0
Edinburgh (Inchkeith)	f or m	f or m	f or m	oo	38	32	29	trace	–	–	–	•
Eskdalemuir	c	cmbm	b b e c		34	20	21	–	–	–	–	1.5
Tynemouth	o f or m	off	f o	f f e i m	38	30	•	–	trace	–	<2100	•
Blacksod Point ...	r or d	r or d	r or d		45	42	•	2	9	1100	2200	•
Donaghadee	c	cm	om r.	q r o r.	42	39	•	–	3	–	2200	•
Birr Castle	co	c	co	orr	39	35	35	–	3	–	2400	0.0
Baldonnell	c	oo	oo	orm	37	33	32	–	2	–	0430	0.6
Holyhead	oo	oo	oo	r or d	41	37	36	–	0.1	–	0630	0.0
Liverpool (Bidston) ...	oo	f or m	c		36	31	29	–	–	–	–	0.0
Chester (Shotwick) ...	om	oo	o d. d.		35	32	30	0.3	trace	1530	0630	•
Spurn Head	r or d	f or m	b or bc	b or bc	38	32	•	2	–	–	–	0.0
Nottingham	s or s m	is. m	c f		34	22	23	0.5	–	<0800	–	0.0
Cranwell	s. s.	is. o	p or b c i f	c	33	19	14	0.4	–	<0800	–	0.0
Gorleston	o p s r.	c	b c b x	b c b x	43	27	25	0.3	–	1100	–	0.0
Pulham	oo	oo	c		35	20	12	–	–	–	–	0.0
Felixstowe	oo	oo	b or bc		39	26	25	–	–	–	–	0.0
Valencia (Cahirciveen)	o c p b c	b c o d	o o r.	o r r	48	44	42	0.1	12	1430	<2100	0.5
Roches Point	c	oo	b or bc		43	39	•	–	3	–	–	•
Pembroke (St. Ann's H.)	p	f or m	oo	o q r r	43	38	•	1	1	0900	0330	0.8
Ross-on-Wye	r s o m	o m	o m c o m	o m	36	31	27	5	–	<0800	–	0.0
Benson	d. o	b. o	oo		38	31	24	–	–	–	–	•
S. Farnborough ...	r or d	c	oo		37	29	24	trace	trace	1730	<2100	0.0
London (Kew Obsy.) ...	b f o n c z	b c z b m	o m o m	o m o	39	31	25	trace	–	–	–	0.9
Croydon	o b c c o s m z	o b c z m	b c o m m	o m m x	39	30	23	trace	–	0900	–	1.0
Clacton-on-Sea ...	o c m		o m b c	b c	43	34	30	–	–	–	–	1.6
Shoeburyness	b or bc	c	b or bc		41	29	24	–	–	–	–	2.9
Grain	b or bc	c	c		41	29	21	–	trace	–	2200	6.4
Lympne	o c b c b b c	c	s.	b or bc	40	27	19	–	trace	–	2200	4.5
Scilly (St. Mary's) ...	c q p	oo	oo	oo	47	44	•	1	–	0900	–	3.2
Falmouth (Pendennis)	b c s p c	c b c b	b c c c	c o m	46	38	•	0.4	–	<0800	–	3.7
Plymouth (Cattewater)	p	r or d	r or d		45	40	35	1	1	<0800	<2100	0.4
Portland Bill	c	r or d	oo	oo	44	40	•	1	–	1530	–	•
Southampton (Calshot)	oo	r or d	r or d	oo	40	34	34	0.2	0.2	<0800	<2100	0.1
Dungeness	b or bc	c	i R S	b or bc	42	31	•	–	0.2	–	2400	•
Jersey	o i r s o	o c o	r or d	o c o	39	37	•	3	–	1100	–	0.0



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
3	15th 0300	ARUNDEL	N	2	ph.	38	46

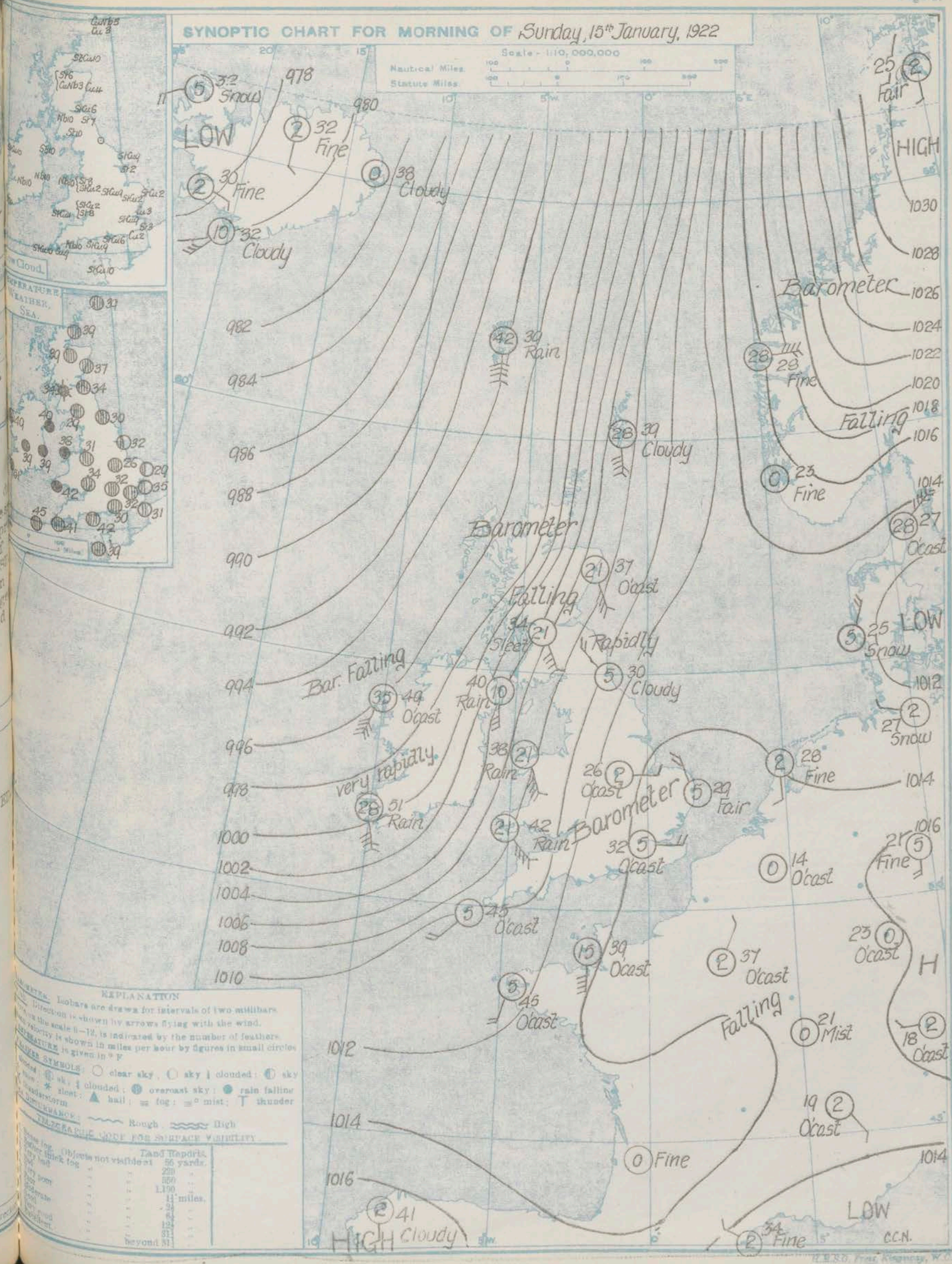
GENERAL INFERENCE.

A rapid fall of pressure, d
to the approach of a new depres
ion from the Atlantic, is in pr
gress over the Western half of
the Kingdom and strong S. to S
winds - reaching gale force in
most districts- are probable g
erally with milder weather and
some rain.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Sunday 15th January 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind S.E. to S., moderate then increasing; cloudy, local sleet at first, cloud increasing with some rain later; visibility good, deteriorating; temperature rising.	NONE ISSUED
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	Wind S. to S.W., strong to a gale; much low cloud, some rain; visibility generally moderate but poor locally; temperature rising.	South Cone Hoisted 0845h. today.

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0830. G. C. SIMPSON, F.R.S., Director.

For Code see opposite page


SYNOPTIC CHART FOR MORNING OF Sunday, 15th January, 1922
Scale - 1:10,000,000
Nautical Miles
Statute Miles
LOW
HIGH
Barometer
Falling
Rapidly
Bar. Falling
very rapidly
Barometer
Fine
Cloudy
Rain
Snow
Fair
O'cast
Mist
Sleet
LOW
H
HIGH
LOW
C.C.N.
EXPLANATION
BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Direction is shown by arrows flying with the wind.
Wind 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; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunderstorm; thunder
DISTURBANCE: Rough; High
TELEGRAPHIC CODE FOR SURFACE VISIBILITY.
Dense fog. Objects not visible at 55 yards.
Very thick fog 220 "
Very poor 550 "
Poor 1,100 "
Moderate 11 miles.
Good 2 "
Very good 6 "
Excellent 12 "
31 "
beyond 31 "

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION. Sunday 15th January 1922. No. 15

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.§ 0-9	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1016.3	-6	S	5	bc	39	75	7	5750	CuNb	5	–	5	*
Stornoway	1009.4	-8	SW	6	ovr	*	*	4	*	*	*	*	*	*
Wick	1012.9	-5	S	7	o	37	92	8	5750	SrCu	10	–	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head														*
Renfrew														*
Edinburgh (Inchkeith)	1017.3	-4	SSW	1	o/f	34	85	7	7	–	0	A.Sr	9	*
Eskdalemuir														*
Tynemouth	1018.6	-3	SSW	2	fo-	32	92	2	–	–	0	A.Sr	10	*
Blacksod Point ...														*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1014.4	-6	–	0	o	37	92	5	800	Sr.	10	–	10	*
Holyhead	1015.5	-4	E'S	3	o-	*	*	7	2500	SrCu	2	ACu	9	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1018.8	-1	SE	3	bc	35	92	5	1500	Cu	4	–	4	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1020.4	-2	ENE	1	fo-	20	97	1	–	–	0	–	0	*
Gorleston	1019.7	-1	NE	2	bc-	34	75	8	–	–	0	–	0	*
Pulham														*
Felixstowe														*
Valencia (Cahirciveen)	1011.9	-3	S	3	od	48	92	3	=	Sr.	10	=	10	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1016.1	-1	E	3	o	40	85	7	2500	Sr.	10	–	10	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	*	*	*	*	*	34	*	*	*	*	*	*	*	*
Croydon	1018.6	0	ENE	1	o	32	97	4	4000	SrCu	10	–	10	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1018.0	0	S	1	o	32	92	7	4000	SrCu	10	–	10	*
Scilly (St. Mary's) ...	1015.5	-1	NNW	2	o	45	97	7	4000	SrCu	10	–	10	*
Falmouth (Pendennis)	1015.9	-2	NNE	3	o+	40	92	7	4000	Cu	8	–	8	*
Plymouth (Cattewater)														*
Portland Bill	1015.7	0	SE	4	o	42	85	7	–	–	0	A.Sr	10	*
Southampton (Calshot)	1017.6	-1	NE	3	o/r	38	85	7	2500	SrCu	10	–	10	*
Dungeness	1017.5	-1	NE	3	cH(R)	36	97	7	–	CuNb	8	–	8	*
Jersey 7h / Guernsey 1h	1016.4	0	SSE	3	o/r	39	85	8	7250	SrCu	9	–	9	*

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.§ 0-9	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1007.9	-11	S	6	c	39	75	7	4000	CuNb	8	–	8	5
Stornoway													10	7
Wick	1001.4	-12	S	10	o	39	85	8	5750	SrCu	10	–	10	8
Castlebay	993.9	-14	SE	9	ocd	41	97	5	800	Nb	10	–	9	3
Nairn	998.4	*	WSW	6	o	35	85	8	1500	Sr.	9	–	10	4
Aberdeen	1007.2	-6	SE	5	o	37	65	7	2500	Cu	4	A.Sr		
Malin Head													10	*
Renfrew	1008.5	-10	SSE	5	ors	34	85	6	1500	Nb	10	–	10	1
Edinburgh (Inchkeith)	1007.6	-9	SW	2	o	34	75	8	–	Sr	7	A.Sr	10	*
Eskdalemuir	1008.6	-10	S	3	o	29	75	6	1500	Sr	10	–	6	1
Tynemouth	1011.5	-5	NW	2	bc/f	30	92	6	–	–	0	A.Sr	10	8
Blacksod Point ...	?	-20	SSW	7	o+	49	92	5	<150	?Sr.	10	–	10	5
Donaghadee	1004.7	+12	SSE	4	ors	40	92	6	1500	Sr.	10	–	10	*
Birr Castle	999.7	*	SE	4	or+	39	97	5	450	Nb	10	–	10	*
Baldonnell	1003.4	-11	SSE	2	ovr	39	85	6	1500	Nb	10	–	10	4
Holyhead	1007.0	-10	SSE	5	ovr	38	97	6	1500	Nb	10	–	10	4
Liverpool (Bidston) ...	1008.9	-7	SE	4	o/f	31	85	7	2500	Sr.	10	–	10	*
Chester (Shotwick) ...	1006.3	-9	SSE	3	od	33	85	4	1500	Sr	10	–		
Spurn Head	1012.8	-6	SE	3	bc	32	75	7	1500	Sr	2	CuCu	5	0
Nottingham	1012.7	*	E	1	o	26	92	8	2500	SrCu	9	–	9	*
Cranwell	1014.9	-5	SSE	2	c	25	85	4	4000	SrCu	8	–	8	*
Gorleston	1015.7	-3	NNW	2	b+	29	92	7	4000	SrCu	2	ACu	3	0
Pulham	1014.8	-2	ENE	1	bc	22	97	6	4000	SrCu	2	CuCu	6	*
Felixstowe	1016.4	-2	SW	3	b	32	85	7	2500	SrCu	1	–	1	0
Valencia (Cahirciveen)	999.0	-14	SE	6	ovr	51	97	5	<150	Sr	10	–	10	5
Roches Point	1001.7	+4	S	7	or+	48	97	6	800	Nb	10	–	10	6
Pembroke (St. Ann's H.)	1008.1	-6	SE	5	ov	42	97	7	2500	Nb	10	–	10	A
Ross-on-Wye	1011.4	-7	SE	4	o	34	85	4	1500	Sr.	10	–	10	*
Benson	1013.0	-6	SE	3	o	32	85	7	–	SrCu	9	–	9	*
S. Farnborough ...	1014.0	-4	SE	2	o	30	92	7	–	–	0	ACu	9	*
London (Kew Obsy.) ...	1014.1	-5	E	2	o/f	32	75	6	4000	SrCu	9	–	9	*
Croydon	1014.8	-4	ESE	3	o-	30	75	6	7250	SrCu	9	–	9	0
Clacton-on-Sea ...	1014.9	-4	SE	3	bc-	35	75	8	4000	Cu	3	A.Sr	4	*
Shoeburyness	1015.1	-3	SSE	1	bc	30	65	7	5750	SrCu	2	ACu	5	0
Grain	1014.8	-5	ENE	1	c	29	85	7	–	–	0	ACu	8	*
Lympne	1014.8	-4	SE	2	bc	27	92	7	1500	Sr	3	ACu	5	*
Scilly (St. Mary's) ...	1016.3	-5	SW	3	o	45	97	8	4000	SrCu	10	–	10	4
Falmouth (Pendennis)	1009.7	-4	–	0	o+	41	85	7	4000	Cu	9	–	9	3
Plymouth (Cattewater)	1010.2	-7	E	3	ors	42	97	7	1500	Nb	10	–	16	0
Portland Bill	1012.7	-4	SE	4	o	42	85	7	1500	SrCu	9	–	9	4
Southampton (Calshot)	1013.4	-5	ENE	4	o	35	85	7	4000	SrCu	6	A.Sr	10	3
Dungeness	1015.0	-2	ESE	2	bc+	31	97	7	4000	Cu	2	ACu	3	3
Jersey 7h / Guernsey 1h	1013.2	-2	S	4	o	39	75	8	4000	SrCu	10	–	10	3

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 9h.-9h. 13th-14th mm.	Rainfall.† Day 9h.-9h. 14th mm.	Sunshine. Sunrise to Sunset 14th hr.	Sunshine. Sunrise to Sunset hr.
Banff	odr	odo	37	34	2	0.7	0.0	
Montrose	of	or	39	34	5	2	0.0	
Llandudno	ofo	om	40	36	7	–	0.0	
Colwyn Bay ...	o	o	38	36	10	–	0.0	
Rhyl								
Southport	o	o	34	32	10	–	0.0	
Blackpool	rso	o	35	33	5	–	0.0	
Harrogate	o	o	32	29	2	1	0.0	
Skegness	os	o	37	30	3	0.1	0.0	
Aberystwyth ...	rcb	co	40	36	12	–	1.3	
Bath	o	o	40	34	7	–	0.0	
Leamington Spa ...	os	o	36	29	7	–	0.0	
Lowestoft	oprs	o	37	31	0.4	–	0.0	
Felixstowe	cf	of	39	31	0.6	–	0.0	
Southend	xb	bbcc	44	29	3	–	4.5	

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 9h.-9h. 13th-14th mm.	Rainfall.† Day 9h.-9h. 14th mm.	Sunshine. Sunrise to Sunset 14th hr.	Sunshine. Sunrise to Sunset hr.
Paignton	opqoq	oq	44	39	5	–	0.0	
Ilfracombe	o	o	45	40	3	–	0.0	
Bude	o	c	43	41	7	–	0.0	
Penzance	bcc	opr	47	42	6	0.5	4.5	
Falmouth Observatory	bcp	boz	45	40	6	0.2	3.9	
Torquay	o	o	44	40	4	–	0.0	
Weymouth	bco	or	46	40	7	0.9	0.5	
Bournemouth ...	o	o	41	38	4	–	0.0	
Portsmouth (S'thsea)	o	o	41	37	1	0.6	0.0	
Worthing	od	d	38	33	–	1	0.0	
Brighton	p	p	39	34	–	2	0.0	
Eastbourne ...	oco	o	41	31	–	–	0.5	
Hastings	cocbc	bcco	40	34	–	–	?	
Folkestone	c	xc	42	32	2	–	4.7	
Tunbridge Wells ...	cbc	bcm	40	31	0.5	–	0.7	
Ramsgate	bc	bco	41	31	0.4	–	4.7	
Margate	b	bo	44	33	3	–	4.3	
Deal	bbc	bcc	40	32	–	–	3.9	

* 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.21970 MONDAY, 16th JANUARY 1922. Page 1.

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	Height of Low Cloud. Feet	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	999.0	-11	S	7	c/pno	39	85	7	4000	CuNb	8	-	8	*
Stornoway														*
Wick	991.7	-11	S	10	o+	36	75	8	5750	StCu	10	-	10	*
Castlebay	981.8	-9	W	4	oror	42	97	6	800	Nb	10	.	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	996.1	-10	SSE	5	o	37	65	7	2500	Cu	7	A.St	10	*
Malin Head														*
Renfrew	990.7	-15	ESE	4	oRSRS	32	97	4	1500	St	10	-	10	*
Edinburgh (Inchkeith)	994.2	-14	S	3	os,so	31	92	6	-	Nb	10	~	10	*
Eskdalemuir	994.9	-16	SSE	5	oss	28	97	4	225	Nb	10	—	10	*
Tynemouth	999.6	-13	S	6	o	33	75	5	-	-	-	A.St	10	*
Blacksod Point	1007.7	-3	NW'N	6	c-	42	85	8	<150	StCu	8	—	8	*
Donaghadee	988.7	-15	SSW	5	or+	40	92	6	1500	St	10	-	10	*
Birr Castle	989.8	*	W	2	oR-	43	97	6	225	Nb	10	-	10	*
…donnell	988.4	-11	S'W	4	orr	42	92	6	1500	Nb	10	~	10	*
Holyhead	990.6	-15	SSE	7	orr	39	97	6	800	Nb	10	-	10	*
Liverpool (Bidston)	994.8	-12	SE	4	os+	32	92	3	1500	CuNb	10	—	10	*
Chester (Shotwick)	994.3	-17	SSE	5	oss	33	85	4	1500	Nb	10	-	10	*
Spurn Head	1001.6	-9	SSE	5	o-	34	85	7	1500	St	4	A.Cu	9	*
…ingham	1000.7		SSE	3	os,so	33	85	7	4000	Nb	10	~	10	*
…nwell	1002.8	-13	SE'S	5	o	31	75		~	~	-	A.St	10	*
…leston	1007.3	-5	SSW	5	c+	34	92	4	4000	Nb	4	A.Cu	8	*
…ham	1006.1	-8	S'E	4	o	33	85	6	4000	St	10	-	10	*
Felixstowe	1008.3	-12	S	5	o+	34	85	7	~	~	~	A.St	10	*
Valencia (Cahirciveen)	996.1	+-0	W'N	6	cjp	47	55	8	2500	CuNb	8	~	8	*
Roches Point	991.7	-5	NW	6	cPR-	45	85	7	1500	CuNb	4	-	4	*
Pembroke (St. Ann's H.)	993.0	-4	S	7	orr	43	94	6	<150	Nb	10	-	10	*
Ross-on-Wye	998.7	-16	S'E	4	orsrs	35	92	4	800	Nb	4	A.S	10	*
…on…	1001.9	-13	SSE	5	oso	34	85	5	*	StCu	10	-	10	*
Farnborough	1002.6	-16	SSE	3	osSo	34	92	6	~	~	~	A.St	10	*
London (Kew Obsy.)	1003.6	-15	S	4	rs,rs,o	35	85	5	2500	Nb	8	A.St	10	*
Croydon	1004.6	-13	S	4	os,so	33	85	5	800	Nb	10	—	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1006.7	-12	SSE	4	o+	35	75	6	4000	StCu	4	A.Cu	9	*
…ain	1006.0	-11	SSE	5	o	35	85	6	5750	StCu	4	A.St	10	*
Lympne	1007.0	-10	S'E	4	o	33	85	6	1500	St	9	A.St	10	*
Scilly (St. Mary's)	996.9	-29	SW	6	oRR	50	97	6	1500	St	10	—	10	*
Falmouth (Pendennis)	995.3	-20	SW	8	oRR	46	92	5	2500	Nb	10	~	10	*
Plymouth (Cattewater)	996.3		SW											*
Portland Bill	1002.2	-6	S	8	orr	42	85	6	450	St	10	—	10	*
Southampton (Calshot)	1003.5	-13	S	6	oror	33	85	7	<150	Nb	5	A.St	10	*
Dungeness	1007.2	-9	SSW	4	o+	36	92	7	4000	StCu	10	—	10	*
…ey	1005.3	-6	S	6	orsrs	36	92	4	1500	Nb	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	Height of Low Cloud. Feet	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	994.1	-5	SSE	4	o/bo	39	92	5	4000	Nb	10	-	10	6
Stornoway														*
Wick	984.4	-9	S	9	orsrs	35	97	6	1500	Nb	10	-	10	8
Castlebay	981.4	0	NW	3	od-	41	85	6	800	Nb	10	-	10	4
Nairn	983.0	*	—	0	o	35	85	7	1500	St	10	-	10	*
Aberdeen	988.5	-8	SE'S	6	rs,s	34	85	4	2500	Nb	10	-	10	6
Malin Head														*
Renfrew	982.5	-4	E	2	o/s	34	92	6	1500	St	10	-	10	*
Edinburgh (Inchkeith)	985.4	-9	SSE	3	os	32	85	6	*	Nb	10	-	10	2
Eskdalemuir	985.4	-8	SSE	4	oss	30	97	2	225	Nb	10	-	10	*
Tynemouth	988.5	-12	S	4	oss	32	97	2	2500	Nb	10	-	10	6
Blacksod Point	—	-1	NW	4	bcPR	40	85	4	<150	CuNb	6	-	6	4
Donaghadee	985.7	-1	WNW	1	c/r	40	85	4	5450	StCu	5	A.Cu	4	1
Birr Castle	990.0	*	W	2	or	36	92	6	1500	Nb	8	-	8	*
…donnell	988.1	+1	W	4	or,r	39	92	6	1500	Nb	10	-	10	*
Holyhead	984.4	-4	NW	4	o	44	85	8	1500	StCu	10	..	10	4
Liverpool (Bidston)	983.5	-8	SE	4	oss	33	92	4	1500	Nb	10	-	10	4
Chester (Shotwick)	983.5	-10	S	4	orsrs	34	92	4	1500	Nb	10	-	10	*
Spurn Head	989.6	-2	SSE	9	oss	35	92	3	[illegible]	St	10	-	10	5
…ingham	988.0	*	SSE	3	oss	33	97	5	2600	Nb	10	-	10	*
…nwell	990.1	-16	SE	4	osf	31	94	1	800	Nb	10	-	10	*
…leston	994.4	-10	S	4	o	35	94	6	4000	Nb	4	A.St	10	6
…ham	995.1	-10	SE'S	4	os	32	94	5	2500	Nb	10	-	10	*
Felixstowe	998.0	-12	S'E	4	ors	35	85	4	800	St	10	-	10	3
Valencia (Cahirciveen)	995.1	0	WNW	5	c/pR	44	65	8	4000	StCu	8	-	8	4
Roches Point	992.6	+1	NW	5	cPR	39	97	8	1500	CuNb	8	-	8	6
Pembroke (St. Ann's H.)	989.5	-1	WNW	6	or	43	85	8	2500	Nb	10	-	10	6
Ross-on-Wye	985.3	-16	S	5	or,r	34	92	4	2500	Nb	10	-	10	*
…on…	989.0	-15	SSE	6	os	32	94	5	*	Nb	10	-	10	-
Farnborough	991.7	-16	SSE	4	os	33	94	4	2500	St	10	-	10	*
London (Kew Obsy.)	991.8	-15	S'E	4	os	33	94	5	1500	Nb	10	-	10	*
Croydon	993.4	-14	S	6	os	32	94	3	<150	Nb	10	-	10	*
Clacton-on-Sea	996.8	-11	SSE	6	ors+	35	92	4	5400	StCu	10	-	10	6
Shoeburyness	995.7	-11	SSE	6	os	32	85	5	1500	St	10	-	10	*
…ain	995.4	-13	SSE	6	orsrs	31	94	6	2500	Nb	10	-	10	3
Lympne	994.5	-10	S	6	rs,s	32	94	5	800	Nb	10	-	10	3
Scilly (St. Mary's)	995.0	0	NW	8	bcPR	46	92	4	4000	Cu	4	-	4	8
Falmouth (Pendennis)	992.6	+2	NW	9	c/r	45	65	6	2500	Nb	8	-	8	4
Plymouth (Cattewater)	991.4	0	WNW	4	bc-	48	94	8	1500	St	6	-	6	3
Portland Bill	990.9	-6	SW	8	or	42	85	6	450	St	10	-	10	8
Southampton (Calshot)	990.4	-14	S'E	6	orsrs	34	94	5	800	Nb	10	-	10	6
Dungeness	996.3	-4	SSW	6	os	33	94	4	4000	Nb	10	-	10	5
…ey	993.0	-9	S	6	orr	40	92	4	1500	Nb	10	-	10	6

London Observations	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. °F.	Temp. 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. 16								Yesterday.		To-day.
…w	om(.s	omqs	oqrroq	*	*	32	1	4	0.0	*	*
Croydon (24 hours ended 0700)	omxs	omqrs	s ofqrs	*	*	31	3	5	0.2	*	*
Greenwich (Royal Obsy.)	o	os	or	36	30	32	2	6	0.0	90	84
City (Bunhill Row)	*	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James' Pk.)	*	*	*	38	32	30	7		0.5	86	84
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*	0.0	*	-
Camden Sq. (Brit. Rainfall)			*	37	31	29	1	10	*	*	87
Kensington Palace	os	os	*	36	32	31	0.8	7	*	92 (18h)	90
Hampstead Observatory	*	*	*			*			0.0	*	

ATMOSPHERIC POLLUTION. Milligrams of Solid impurity per cubic metre.

24 Hrs. ended 1800 G.M.T. ....

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.

SOLAR RADIATION. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total .... joules

Average Rate .... Milliwatts.

Maximum Rate .... Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 15 17 h. 30 m. to 16th 06 h. 45 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	13.15	0.0	-
δ Ursae Minoris	13.15	0.0	-

RADIO DISTURBANCES (Atmospherics) AT CROYDON.*

Time.	Type.	No. per sec.	Stren.	Direc.
[illegible]	C,C₂	Y	-	145°
[illegible]	C,C₁	Y	-	140°
[illegible]	C	6	-	170
[illegible]	C	7	-	155

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

16th & 17th JANY 1922

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.58 7.57	12.3 12.3	4.7 4.9
Greenwich	8.1 8.0	12.10 12.10	4.19 4.21
Wick	8.52 8.50	12.22 12.22	3.52 3.54
Valencia	8.43 8.42	12.51 12.51	4.59 5.0

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow. t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.
jp precipitation within sight.

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.

SEA DISTURBANCE.

0=no swell, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 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 Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 5.

M.O. Form 2370.

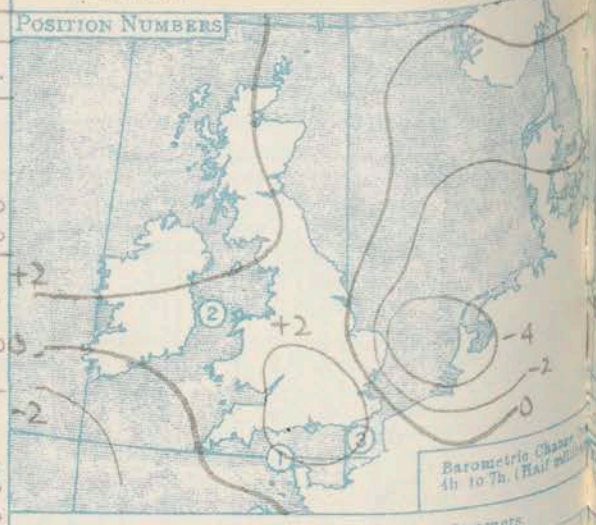
SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.–18h. 15"	18h.–18h. 15"	18h.–7h. 18h. to 7h. 16"	7h.–7h. 16"	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	p	h(rh)	s or rs	s or rs	39	32	•	1	3	<0800	<2100	•
Stornoway							•					
Wick	oo	mss rs	or rmq	omr	39	34	•	3	6	13·30	<2100	•
Castlebay	Rr₀	r₀dd					•	15		<0800		
Nairn	s or rs	•	s or rs		35	31	•	0·3	5	1230	2300	0·0
Aberdeen	oq	q s₀ s₀	rs rsq		36	33	32	1	17	14·30	<2100	0·0
Malin Head			cp₀h	cp₀h	44	38	•		4	<0800	<2100	0·0
Renfrew	mss ss	osm	oss r		34	31	30	5	0·6	<0800	–	0·0
Edinburgh (Inchkeith)	oo	s₀s rs	s or rs	oo	34	30	30	0·2	1	12·30	2400	•
Eskdalemuir	osm	os	osm	o	29	27	27	?13	5	09·00	<2100	0·0
Tynemouth	omq	ss ffq	ms.s.	oom	33	31	•	5	4	13·30	<2100	•
Blacksod Point	r.d	r.d	s or rs		50	34	•	14	20	12·30	2300	•
Donaghadee	omrq	omr	bcq	cqp	43	35	•	19	0·1	<0800	0530	•
Birr Castle	orr	orr	bc	crs x	43	32	29	10	0·5	<0800	–	0·0
Baldonnell	orr r	orrm	c	ops₀b	42	~~31~~	28	13	0·5	<0800	<2100	0·0
Holyhead	orr	rro	oco	obco	44	39	39	13	–	<0800	–	0·0
Liverpool (Bidston)	s or rs	s(rs)	oo		42	37	29	12	0·4	0900	<2100	0·0
Chester (Shotwick)	s(rs)	oss m	or s om	o pro	34	33	32	4	3	<0800	0430	•
Howden												
Spurn Head	c	oo	s or rs	s or rs	35	31	•	trace	3	16·30	<2100	0·4
Nottingham	oo	ss	ss		33	31	31	6	5	11·00	<2100	0·0
Cranwell	oo	s(rs)	s₀s	s or rs	32	30	30	1	1	13·30	<2100	0·0
Gorleston	c	oo	oq r s	oq r s d	35	32	31	–	6	–	<2100	2·3
Pulham	oo	oo	s or rs		33	30	30	–	?	–	<2100	0·0
Felixstowe	c	oo	p		35	31	31	trace	0·5	–	<2100	1·1
Valencia (Cahirciveen)	or. c. oq	c. o p h q	co r h q	co r h q	53	35	33	8	3	<0800	<2100	1·3
Roches Point	r.d	p	p		50	33	•	9	4	<0800	<2100	•
Pembroke (St. Ann's H.)	oq r r m	oq m r	oq h r	c	47	39	•	19	0·4	<0800	<2100	0·0
Ross-on-Wye	rs rs	rs r q d q	r r q	oq o	34	36	32	8	3	09·00	<2100	0·0
Beason	os	ss	ssr	oc	34	33	30	4	3	11·00	<2100	•
S. Farnborough	s(rs)	s(rs)	r or d		36	32	32	0·4	9	13·30	<2100	0·0
London (Kew Obsy.)	s m r₀ s	o m q s	o q r r	o q r q q	35	33	32	1	4	11·00	<2100	0·0
Croydon	m q x. s	o m q r s s	o q s s q	o r s. q	34	31	31	3	5	12·30	<2100	0·2
Clacton-on-Sea	bc. c	c. o q e	o q s	o q	35	32	32	trace	4	14·30	<2100	0·7
Shoeburyness	c	s(rs)	r or d		37	35	31	0·1	5	1630	<2100	0·7
Grain	oo	o i d. rs	rs r r		35	31	30	0·2	3	15·30	<2100	0·5
Lympne	bc. c o m	c. s d. q	s s r r o m	o r r m q	35	32	29	trace	4	14·30	<2100	0·2
Scilly (St. Mary's)	p	p	cq	cq	50	35	•	8	9	<0800	<2100	0·8
Falmouth (Pendennis)	omp	or o p q	c p a h r	c p b c q	48	34	•	9	3	0900	2400	0·7
Plymouth (Cattewater)		p	p		48	39	34	15	2	<0800	<2100	0·1
Portland Bill	r.d	r.d	p	b r bc	?	?	•	7	1	11·00	2400	•
Southampton (Calshot)	r.d	s(rs)	s r rs	c	41	33	32	4	1	09·00	<2100	0·0
Dungeness	c	ss	r₀r₀s	c	37	32	•	trace	7	14·30	<2100	•
Jersey	o r s o	orr	b r r c p	o r r h o	40	37	•	9	6	09·00	2300	0·0

ISALLOBARS

Monday, 16th Jan.

POSITION NUMBERS



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea
3	16th 0300	Brighton	W'N	7	o/s(h)	42	46
2	15th 1005	Scotia	SSE	8	oqr	44	46

GENERAL INFERENCE.

The depression over East Anglia will probably move away Eastwards. The wind will be Westerly except in the Northern of Scotland and the weather will be rather cold with rain or hail showers.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Monday 16th January 1922.	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	Fresh Westerly wind; varying amount of cloud, occasional rain or hail showers; visibility moderate to good; rather cold.	NONE ISSUED.
9. N. Midlands 10. N.E. England	Wind W. to N.W., light to moderate; much low cloud, some sleet or snow; visibility good; rather cold.	
11. E. Scotland 12. S.W. Scotland	Moderate to fresh Southeasterly wind; dull, some rain or sleet; visibility moderate; rather cold.	
13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides	Moderate W. to N.W. winds; much low cloud, but bright intervals, some rain or hail showers; visibility good; rather cold.	
16. Orkneys and Shetlands	Strong Southeasterly wind; dull, some rain or sleet; visibility moderate; rather cold.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Same as 1 to 9.	

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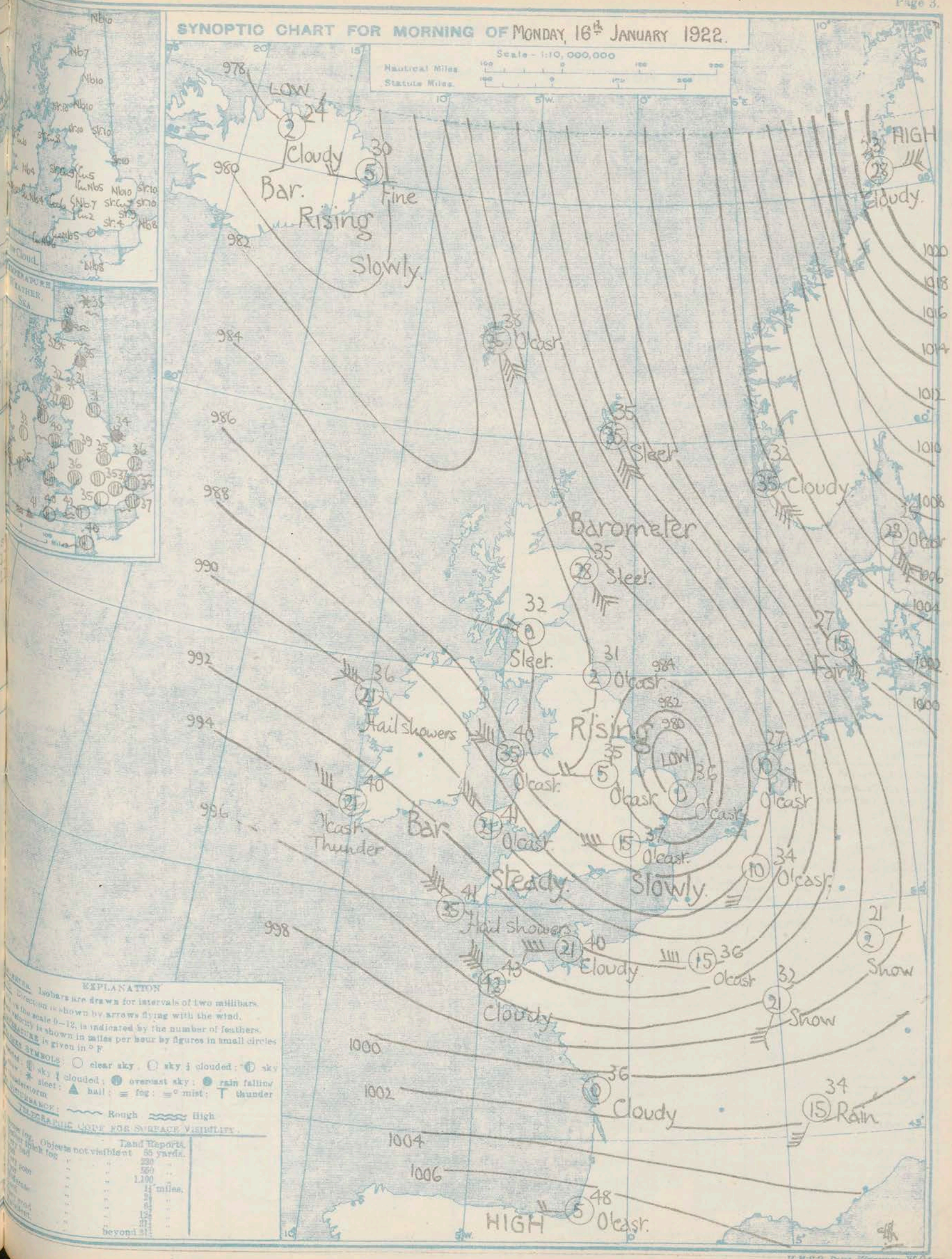
Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 1030.

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

† For Code see opposite page.

SYNOPTIC CHART FOR MORNING OF MONDAY, 16th JANUARY 1922.



H.M.S.O. Press, Kingsway, W.C.1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION MONDAY, 16th JANUARY 1922. No. 16

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	990.6	-1	SSE	7	0PS0	34	85	6	2500	Nb	10	-	10	*
Stornoway	981.9	+2	NNW	3	0	*	*	5	*	*	*	*	*	*
Wick	983.1	0	S	10	ORR	37	92	6	4000	Nb	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	983.1	0	NW	3	cph0	41	85	7	4000	CuN	8	-	8	*
Renfrew														*
Edinburgh (Inchkeith)	981.7	-1	S	2	OS-	31	97	6	-	Nb	10	-	10	*
Eskdalemuir														*
Tynemouth	984.6	-2	S	3	0/S	32	97	5	2500	Nb	7	ACu	10	*
Blacksod Point ...														*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	988.3	+1	WSW	4	OPS0	34	92	5	800	Sr.	10	-	10	*
Holyhead	986.5	0	W'N	7	0	<	<	8	2500	SrCu	10	-	10	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Sholwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	992.3	-3	SSE	9	OSS	33	97	4	225	Sr.	10	-	10	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	982.4	-4	SE	3	OS0	30	97	7	1500	Sr.	10	-	10	*
Gorleston	984.0	-7	S	9	OPSRS	33	97	4	4000	Nb	10	-	10	*
Pulham														*
Felixstowe														*
Valencia (Cahirciveen)	995.3	0	N	7	bcS0	39	92	6	-	CuNb	4	-	4	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	989.8	0	WNW	6	c/jf	42	85	8	2500	Nb	8	-	8	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)...	*	*	*	*	*	36	*	*	*	*	*	*	*	*
Croydon	983.6	-1	WSW	5	OPS0	35	97	7	225	Nb	10	-	10	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	993.5	-5	S'W	6	OPR	35	97	6	225	Nb	10	-	10	*
Scilly (St. Mary's) ...	995.8	+1	NW	8	CPR	40	97	7	4000	CuNb	8	-	8	*
Falmouth (Pendennis)	992.6	+2	WNW	6	CH(R)	45	95	7	4000	CuNb	8	-	8	*
Plymouth (Cattewater)														*
Portland Bill	988.3	0	W'N	8	C	41	85	7	1500	SrCu	8	-	8	*
Southampton (Calshot)	986.6	+2	W'N	4	O/S	41	85	8	1500	Sr.	10	-	10	*
Dungeness	983.2	-3	WNW	6	cr0r0	39	92	8	4000	CuNb	8	-	8	*
Jersey 7h }	993.1	0	WNW	5	O/S	46	65	9	4000	CuNb	9	-	9	*
Guernsey 1h }														

Observations at 0700 G.M.T. 16

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	991.5	-2	SSE	7	OPS4	35	97	5	2500	Nb	10	-	10	6
Stornoway	985.0	+2	SSE	8	OR	37	92	6	2500	Nb	7	ASr	10	*
Wick														*
Castlebay	983.9	*	E	1	OS-	32	97	7	2500	Nb	10	-	10	*
Nairn	985.3	+1	SE'S	6	OPSRS	35	97	5	2500	Nb	10	-	10	4
Aberdeen	984.7	+2	NW	3	O/R	39	85	7	4000	CuN	10	-	10	*
Malin Head	984.4	+2	-	0	OPSRS	32	97	3	1500	Sr	10	-	10	2
Renfrew	983.2	+3	NNW	2	OS0	31	97	6	-	Nb	10	-	10	*
Edinburgh (Inchkeith)	983.8	+2	-	0	O	27	85	6	450	Sr	10	-	10	4
Eskdalemuir	984.4	+1	S	1	O	31	97	4	2500	Sr.	10	-	10	4
Tynemouth	?	+3	NNW	5	OPH0	36	75	3	?	SrCu	10	-	8	1
Blacksod Point ...	986.5	+1	WNW	3	C	36	83	7	5750	ACu	8	-	4	*
Donaghadee	990.5	*	W	1	bc-	33	97	3	2500	Nb	4	-	2	*
Birr Castle	990.1	+2	WSW	4	b-	32	85	8	4000	SrCu	2	-	9	6
Baldonnell	986.6	+1	WNW	7	O+	40	85	8	2500	SrCu	9	-	10	6
Holyhead	983.6	+1	WNW	5	O/S(h)	39	85	8	2500	Cu	10	-	10	*
Liverpool (Bidston) ...	983.7	+2	WNW	5	O/r	39	85	8	1500	Sr	10	-		*
Chester (Sholwick) ...														*
Spurn Head	982.5	0	NW	4	OPSRS	34	97	4	450	Sr	10	-	10	5
Nottingham	983.0	*	W	2	O	35	92	2	4000	Nb	10	-	10	*
Cranwell	983.6	0	NW	1	O/S(h)	30	97	6	1500	Sr.	10	-	10	*
Gorleston	980.4	-5	-	0	O/S(h)	36	97	5	1500	Sr	10	-	10	*
Pulham	980.9	+3	WNW	4	OSS	32	97	5	1500	Nb	10	-	10	6
Felixstowe	982.8	+1	NW	5	OPS0	34	92	6	450	Nb	10	-	10	6
Valencia (Cahirciveen)	993.8	-2	WNW	5	O/S(h)	40	75	8	1500	CuNb	10	-	4	0
Roches Point	993.2	0	NW	3	bc/S(h)	35	97	8	2500	CuNb	4	-	6	5
Pembroke (St. Ann's H.)	991.2	+1	NW	5	bc	41	85	9	2500	Cu	6	-	9	*
Ross-on-Wye	981.7	+2	W	3	O-	36	85	8	2500	Nb	9	-	7	*
Benson...	986.1	+3	WNW	3	C/S(h)	35	85	8	-	SrCu	7	-	6	*
S. Farnborough ...	987.5	+3	W	3	bc	35	92	7	4000	Sr	4	ACu	9	*
London (Kew Obsy.)...	985.7	+3	W	4	O-	37	85	7	2500	Sr.	9	-	10	*
Croydon	986.0	+3	WSW	5	O/S(h)	36	85	6	4000	SrCu	3	ASr		0
Clacton-on-Sea ...	982.0	+2	W	3	O/S(h)	34	97	7	2500	Sr.	10	-	10	*
Shoeburyness	983.4	+3	W'S	6	OPR	36	85	5	1500	Sr	10	-	10	4
Grain	984.5	+5	WSW	6	OPR	36	85	7	1500	Nb	10	-	10	*
Lympne	985.4	+2	W	4	O	35	97	6	800	Sr	9	ASr		5
Scilly (St. Mary's) ...	995.0	0	NW	7	bcPH	41	97	8	4000	CuNb	6	-	5	0
Falmouth (Pendennis)	992.7	0	WNW	3	bc	40	75	7	4000	CuNb	5	-	5	0
Plymouth (Cattewater)	992.3	+1	WNW	3	CPR	39	92	8	1500	CuNb	8	-	4	8
Portland Bill	989.7	+2	WNW	8	bcq	42	85	7	-	-	0	ACu	1	0
Southampton (Calshot)	988.7	+3	W'S	3	b	35	85	8	-	-	0	ACu	4	6
Dungeness	984.9	+2	NW	6	C/S(h)	37	92	8	4000	Nb	8	-	5	0
Jersey 7h }	993.4	0	W	5	C/r	40	92	8	1500	Nb	8	-		
Guernsey 1h }														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 15th JAN.

Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 17h.-9h. 14-15 mm.	Rainfall.† Day 9h.-17h. 15 mm.	Sunshine. Sunrise to Sunset 15 hr.	Sunshine. Sunrise to Sunset hr.
Banff	c.0q	0Sq	36	25	-	0.3	0.0	
Montrose	0	0S	36	28	0.3	1	0.0	
Llandudno	T	TS	43	34	-	10	0.0	
Colwyn Bay ...	cTS	T	41	34	-	11	0.0	
Rhyl...	TS	TS	34	34	-	4	0.0	
Southport	0S	0S	33	31	-	16	0.0	
Blackpool	0S	0S	30	24	1	6	0.0	
Harrogate	0	0S	34	33	-	-	0.0	
Skegness								
Aberystwyth ...	0Sr	T.0Sr	40	35	-	6	0.0	
Bath	0h.Sr	TS	37	33	-	12	0.0	
Leamington Spa ..	0S	0S	36	30	-	1	0.0	
Lowestoft	bv	c	35	26	-	-	1.2	
Felixstowe	0	0m	40	30	-	0.1	0.0	
Southend								

Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 17h.-9h. 14-15 mm.	Rainfall.† Day 9h.-17h. 15 mm.	Sunshine. Sunrise to Sunset 15 hr.	Sunshine. Sunrise to Sunset hr.
Paignton								
Ilfracombe	0r	0rq	48	38	3	16	0.0	
Bude	-	-	48	38	2	5	0.0	
Penzance	0r.	0r.c	50	40	2	11	0.5	
Falmouth Observatory	0r.	r.bcq.p	48	38	-	14	0.6	
Torquay	T	T	48	42	2	10	0.0	
Weymouth	0r	T0	44	36	1	11	0.0	
Bournemouth ...	0r	0rr	40	35	3	3	0.0	
Portsmouth (S'thsea)	0	0	41	34	1	2	0.0	
Worthing	0	0Sr	40	33	-	2	0.0	
Brighton	0p	S	40	33	-	4	0.0	
Eastbourne	0rS.0	0S	39	32	-	2	0.0	
Hastings	c.0	0S	34	31	-	-	0.0	
Folkestone	0	0	40	28	-	-	0.4	
Tunbridge Wells ...	0	0S	35	28	-	2	0.0	
Ramsgate	bc	0	33	30	0.3	-	1.2	
Margate	c	0	34	30	2	-	0.9	
Deal	bc.c	c.0S	39	30	-	-	1.0	

* 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.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.21971 Tuesday 17th JANUARY 1922.

Observations at 1800 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	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick ...	995.3	+6	SE	8	ops$_o$	35	85	7	-	-	0	a.St	10	·
Stornoway ...	986.3	+4	-	0	opr$_o$	35	97	5	450	St	10	-	10	·
Wick ...	989.3	+4	SSE	8	or	38	85	6	2500	Nb	7	a.St	10	·
Castlebay ...	988.3	+2	-	0	ors$_o$	35	92	6	800	St	10	-	10	·
Nairn ...	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Aberdeen ...	989.3	+4	SE	6	oprs$_o$	36	85	7	2500	Nb	10	-	10	·
Malin Head ...	987.1	+3	NNW	3	oph$_o$	40	92	7	4000	CuN	9	-	9	·
Renfrew ...	987.5	+2	-	0	os$_o$s$_o$	32	97	2	225	St	10	-	10	·
Edinburgh (Inchkeith)	986.5	+5	WNW	1	mmo	32	92	5	[illegible]	Nb	10	-	10	·
Eskdalemuir ...	987.2	+2	-	0	o	31	85	6	800	St	10	-	10	·
Tynemouth ...	986.6	+3	SSE	4	os$_o$	35	85	6	2500	Nb	10	-	10	·
Blacksod Point ...	?	+4	N	2	cph$_o$	36	85	8	-	CuNb	8	-	8	·
Donaghadee ...	988.8	+1	WNW	3	c/s(h)	37	85	7	4000	CuNb	4	A.Cu	7	·
Birr Castle ...	992.7	·	W	2	c	36	92	7	4000	StCu	5	A.Cu	7	·
Baldonnell ...	991.6	+1	W'S	4	c-	37	75	6	1500	St	5	Ci	7	·
Holyhead ...	989.0	+2	WNW	6	c	41	85	7	1500	Cu	4	Ci	7	·
Liverpool (Bidston) ...	986.8	+2	WNW	6	opr$_o$	36	92	7	1500	Nb	10	-	10	·
Chester (Shotwick) ...	986.4	+3	NW	5	oPH	38	65	8	1500	Nb	10	-	10	·
Spurn Head ...	984.3	+2	E	2	ors$_o$	35	97	6	1500	St	10	-	10	·
Nottingham ...	985.6	·	W	3	o	36	92	4-	1500	Nb	10	-	10	·
Cranwell ...	985.7	0	NW'N	2	ors$_o$	32	97	4-	800	St	10	-	10	·
Gorleston ...	984.1	0	NW	3	ors$_o$rs$_o$	33	97	3	1500	St	10	-	10	·
Pulham ...	983.9	+3	W	4	od$_o$	33	97	4	1500	Nb	10	-	10	·
Felixstowe ...	986.5	+2	WNW	4	os(h)	37	85	7	1500	St	9	a.St	10	·
Valencia (Cahirciveen)	996.0	+2	WNW	4	cph$_o$	38	75	8	1500	St	8	-	8	·
Roches Point ...	994.1	0	WNW	3	c	36	85	8	1500	CuNb	8	-	8	·
Pembroke (St. Ann's H.)	992.6	+1	NW	4	cjp	40	92	9	2500	Cu	7	-	7	·
Ross-on-Wye ...	989.3	+1	W	3	bc-	41	75	8	4000	CuNb	2	Ci	4	·
Benson ...	988.6	+1	WNW	4	bc	40	75	8	-	Cu	3	A.Cu	5	·
S. Farnborough ...	989.4	+1	W	4	bc+	39	75	7	4000	Cu	1	Ci St	5	·
London (Kew Obsy.)	987.9	+1	WNW	5	c	41	75	7	2500	Cu	1	A.Cu	8	·
Croydon ...	988.3	+1	W	4	c	41	75	6	1500	Cu	2	A.Cu	8	·
Clacton-on-Sea ...	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Shoeburyness ...	986.7	+2	WNW	3	bc/r	41	75	6	2500	Cu	5	-	5	·
Grain ...	987.3	+2	W	4	c	39	85	6	1500	St	8	-	8	·
Lympne ...	988.7	+1	W'N	5	bc-	39	75	9	2500	Cu	3	A.Cu	4	·
Scilly (St. Mary's) ...	994.8	0	NW'W	5	c-	43	97	8	4000	Cu	7	-	7	·
Falmouth (Pendennis)	994.4	-4	W	5	crs	42	65	7	4000	CuNb	7	-	7	·
Plymouth (Cattewater)	992.8	0	WNW	3	cpr$_o$	42	85	7	1500	CuNb	8	-	8	·
Portland Bill ...	992.3	+2	WNW	7	b	43	85	7	-	-	0	Ci Cu	3	·
Southampton (Calshot)	990.3	+1	WNW	5	bct	42	65	8	4000	Cu	4	-	4	·
Dungeness ...	988.0	+2	W	5	b	42	75	8	-	-	0	-	0	·
Jersey ...	993.6	0	W	5	b/r	43	75	8	4000	StCu	2	-	2	·

Observations at 1800 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	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	999.0	+2	SE	8	cs	33	85	5	2500	Nb	8	-	8	7
Stornoway														
Wick	992.6	+5	SE	8	c	37	75	7	1500	Nb	8	-	8	8
Castlebay	991.2	+5	NW	3	os	34	97	5	800	Nb	10	·	10	3
Nairn	991.0	·	E	1	o/s(h)	34	85	7	1500	St	10	-	10	·
Aberdeen	992.1	+3	SE	4	ops$_o$	35	85	7	2500	Nb	4	a.St	10	6
Malin Head	990.7	+3	NNW	3	bc/s	38	97	7	4000	CuN	6	-	6	4
Renfrew	990.8	+4	-	0	os$_o$+	33	97	2	800	St	10	-	10	·
Edinburgh (Inchkeith)	990.0	+3	SE	2	os$_o$s$_o$	34	85	8	-	Nb	10	-	10	2
Eskdalemuir	989.8	+3	NNE	2	os$_o$	31	92	5	225	St	10	-	10	·
Tynemouth	989.7	+3	SSE	2	o/s	35	92	6	4000	Nb	10	-	10	4
Blacksod Point	?	+4	NW	4	bcph	38	75	6	-	CuNb	6	-	6	7
Donaghadee	992.3	+2	WNW	3	bc-	37	85	8	5750	CuNb	5	-	5	1
Birr Castle	995.4	·	WSW	1	b	31	97	6	800	StCu	3	-	3	·
Baldonnell	994.6	+3	WSW	4	b	33	85	6	2500	StCu	3	-	3	·
Holyhead	990.9	+2	WNW	6	c	41	85	8	4000	Cu	6	a.St	7	6
Liverpool (Bidston)	989.0	+2	NW	5	od$_o$d	36	92	5	1500	Nb	10	-	10	6
Chester (Shotwick)	988.6	+2	NW	3	o/r$_o$	35	92	8	800	St	10	-	10	·
Spurn Head	986.3	+1	NW	3	od$_o$d	34	97	5	1500	St	10	-	10	1
Nottingham	987.9	·	W	3	o-	26	92	4	-	-	0	a.St	9	·
Cranwell	987.0	+3	WNW	2	os$_o$	32	97	4-	800	St	10	-	10	·
Gorleston	986.6	+2	WNW	2	ot	34	92	4	1500	St	10	-	10	4
Pulham	986.2	+2	WSW	5	ops$_o$	34	97	4	800	Nb	10	-	10	·
Felixstowe	989.0	+3	W'N	4	o	37	85	7	2500	StCu	10	-	10	3
Valencia (Cahirciveen)	998.9	+4	NW	4	bcph$_o$	40	75	8	2500	StCu	4	A.Cu	6	6
Roches Point	997.3	+3	WNW	3	c	35	92	8	1500	CuNb	8	-	8	0
Pembroke (St. Ann's H.)	994.2	+2	NW	4	bc-	39	85	9	2500	Cu	4	-	4	4
Ross-on-Wye	991.6	+2	W'S	2	b-	35	75	8	4000	CuNb	1	-	1	·
Benson	991.0	+2	W	5	b	34	75	8	-	-	0	-	0	·
S. Farnborough	991.5	+3	W	2	b	34	85	7	-	-	0	-	0	·
London (Kew Obsy.)	990.4	+2	WSW	3	b·	37	75	6	-	-	0	a.St	2	·
Croydon	990.8	+3	W	4	b-	36	75	6	-	-	0	Ci	2	·
Clacton-on-Sea	988.0	+4	W	4	c/r	36	92	7	4000	StCu	8	-	8	1
Shoeburyness	988.9	+2	W'N	3	b/r	37	75	6	4000	StCu	1	-	1	·
Grain	989.9	+3	WSW	2	ot	35	75	6	2500	St	10	-	10	0
Lympne	990.3	+4	W	4	b-	34	85	8	-	-	0	A.Cu	1	·
Scilly (St. Mary's)	996.4	+1	NW	5	cjp	42	97	8	4000	CuNb	7	-	7	6
Falmouth (Pendennis)	995.5	+2	NNW	3	c/s(h)	39	75	7	4000	StCu	7	-	7	1
Plymouth (Cattewater)	993.9	+2	WNW	2	b/s(h)	38	85	7	800	CuNb	9	-	9	0
Portland Bill	992.3	0	WNW	6	bc	41	85	7	800	Cu	5	-	5	5
Southampton (Calshot)	992.3	+2	W	3	b	35	85	8	-	-	0	-	0	0
Dungeness	990.4	+2	W	4	b	38	85	7	-	-	0	-	0	4
Jersey	994.4	0	W	5	c	41	75	8	4000	StCu	8	-	8	6

London Observations. 24 Hours ended 0900 G.M.T. 17th

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. (Yesterday)	Humidity 13h. G.M.T. % (Yesterday)	Humidity 7h. G.M.T. % (To-day)
Kew	c.bcpe	bc.b	bbcc	·	·	30	-	-	4.8	·	·
Croydon (24 hours ended 0700)	cbc.ifkc	cbiz	bmcoss	·	·	29	-	0.4	6.6	·	·
Greenwich (Royal Obsy.)	c	bc	cxsm	42	33	29	-	0.3	3.8	75	84
City (Bunhill Row)	·	·	·	·	·	·	·	·	2.0	·	·
Westminster (St. James' Pk.)	·	·	·	43	33	27	-	0.4		76	85
Regents Pk. (Botanical Gdns.)	·	·	·	·	·	·	·	·		·	-
Camden Sq. (Brit. Rainfall)	o	bc	·	42	32	28	-	0.5	·	78	91
Kensington Palace	bc	bc	·	42	34	30	-	0.3	·	77(18h)	88
Hampstead Observatory	·	·	·	40	31	25	-	1	5.3	·	87

Atmospheric Pollution. Milligrams of Solid impurity per cubic metre. 24 Hr. ended 1800 G.M.T. 16th

South Kensington Max.	Time.	Min.	Time.
2.0	2100 15th	0.3	0700 16th
1.0	0100 16th		

Kew Observatory Max.	Time.	Min.	Time.
0.5	1100 16th	<0.3	0200 to 0500 16th

Solar Radiation. Vertical component per square centimetre. During yesterday.

South Kensington.
Total .... joules
Average Rate .... Milliwatts.
Maximum Rate .... Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from 16th 17h. 30m. to 17th 06h. 45m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	13 15	7 5	54
δ Ursae Minoris	13 15	6 37	50

Radio Disturbances (Atmospherics) at Croydon.‡

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C_1C_2	7	-	160°
19h.	C_1C_2	7	-	175°
01h.	C_1C_2	7	~	175°
07h.	C	6	-	100°

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom.

17th & 18th JANY 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth ...	7.57 7.55	12.3 12.3	4.9 4.11
Greenwich ...	8.0 7.59	12.10 12.10	4.21 4.23
Wick ...	8.50 8.48	12.22 12.22	3.54 3.57
Valencia ...	8.42 8.41	12.51 12.51	5.0 5.2

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow. t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.
jp precipitation within sight.

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, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 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

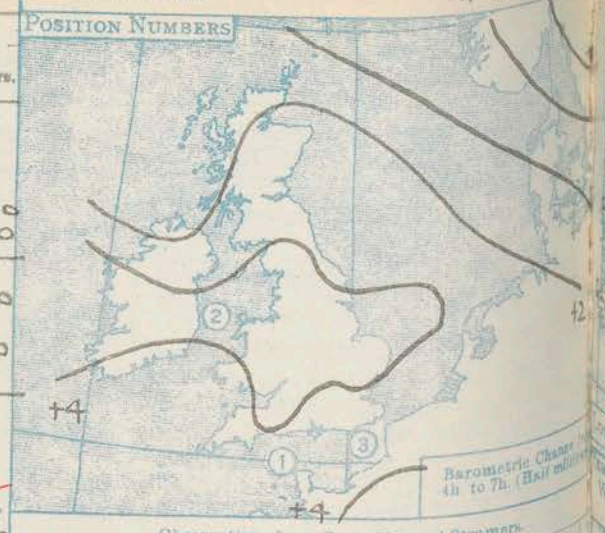
‡ For explanation, see Introduction. * Information for these columns not usually received. † The barometric change is expressed in half millibars. ‡ For code see page 3

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-15h. 16"	15h.-18h. 16"	18h. to 1h. 16"	1h.-7h. 17"	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	S or TS	S or TS	ps	c	37	30	•	5	0.2	<0800	<2100	•
Stornoway							•					
Wick	oirg	ooir	oish	oisq	39	32	•	0.4	1	<0800	2200	•
Castlebay	ohpr	rsos	ddo	ospo	43	35	•	2	2	<0800	-	
Nairn	oo		oo		34	30	•	1	-	<0800	-	0.0
Aberdeen	prshq	qpsh	qpsom		36	31	25	2	1	<0800	<2100	0.0
Malin Head	cpoh	cpoh					•	1		<0800		
Renfrew	osoff	S or TS	of	om	33	31	27	2	-	<0800	-	0.0
Edinburgh (Inchkeith)	oo	S or TS	S or TS	iS	34	32	31	1	3	1100	-	•
Eskdalemuir	oo	oiso	S or TS		32	24	22	0.2	trace	<0800	<2100	0.0
Tynemouth	osoim	imiso	imiS	iSq	36	33	•	1	1	0900	<2100	•
Blacksod Point ...	hor rh	hor rh	S or TS		41	35	•	2	1	1430	0430	•
Donaghadee	cms	bcq	cmqs	omSS	38	32	•	1	7	<0800	<2100	•
Birr Castle	c	c.obc	bcx	bcx	36	26	17	-	-	-	-	5.7
Baldonnell	borbc	borbc	bbx	b.bx	37	27	24	-	-	-	-	6.2
Holyhead	bc.c	c	oco	bcco	42	38	36	-	0.1	-	2400	3.8
Liverpool (Bidston) ...	S or TS	rord	S or TS		40	32	27	4	7	<0800	<2100	0.0
Chester (Shotwick) ...	oprhm	oprsq	orsrS	obcom	41	29	25	4	13	<0800	<2100	•
Spurn Head	S or TS	rord	S or TS	S or TS	35	32	•	5	1	1330	-	0.0
Nottingham	o t.	S or TS	rb or bc		36	32	29	1	1	0900	<2100	0.0
Cranwell	iso	oois	S or TS	oo	32	29	28	trace	0.3	1100	<2100	0.0
Gorleston	S or TS	omprs	oirs	opss	37	31	31	6	1	1230	0230	0.0
Pulham	S or TS	oo	S or TS		35	32	30	0.2	0.2	0900	<2100	0.0
Felixstowe	p	oo	oo		38	33	32	1	-	<0800	-	0.0
Valencia (Cahirciveen)	ophc	oph.bc	bc oph	coph	41	36	32	3	3	0900	<2100	0.8
Roches Point	Sop.c	c	b or bc		38	33	•	5	0.3	<0800	-	
Pembroke (St. Ann's H.)	c	b or bc	b or bc	b or bc	42	38	•	-	-	-	-	4.2
Ross-on-Wye	o.c.obc	bo.b	bcco	or r	41	34	29	0.1	1	<0800	0430	3.3
Benson...	borbc	borbc	bbc	So	40	33	24	-	0.5	-	-	•
S. Farnborough ...	borbc	borbc	S or TS		41	31	26	-	0.2	-	-	6.5
London (Kew Obsy.) ...	c.bqo.c	bc.b	bb	bbcc	41	34	30	-	-	-	-	4.8
Croydon	o.bcim	c.b12	bimc	cosos	41	33	29	-	0.4	-	0430	6.6
Clacton-on-Sea ...	ogd.c		cm	cm	37	32	31	1	-	<0800	-	0.4
Shoeburyness	rord	p	c		41	33	30	0.6	trace	<0800	-	0.9
Grain	form	borbc	for h		41	33	27	0.1	trace	<0800	-	0.9
Lympne	o.c.boim	borbc	oc	bccoms	39	30	26	-	trace	-	0630	6.0
Scilly (St. Mary's) ...	p	cq	c	p	44	40	•	1	0.1	<0800	0230	1.8
Falmouth (Pendennis.)	bchspq	bpohc	cprhb	bcphbc	44	35	•	2	5	<0800	<2100	2.5
Plymouth (Cattewater)	p	hor rh	hor rh		44	36	31	1	1	<0800	<2100	3.3
Portland Bill	borbc	c	borbc	c	44	38	•	-	-	-	-	
Southampton (Calshot)	borbc	borbc	borbc	c	43	32	30	-	-	-	-	•
Dungeness	borbc	borbc	borbc	bbcx	43	33	•	-	-	-	-	7.5
Jersey	orrb	b.bc	bobp	chpo	47	37	•	-	0.4	-	2200	5.4

ISALLOBARS. 17th January



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea
2	16th 1000	Scotia.	WNW	6	bv	37	47
3	17th 0300	Arundel	WNW	4	o+	41	47

GENERAL INFERENCE.

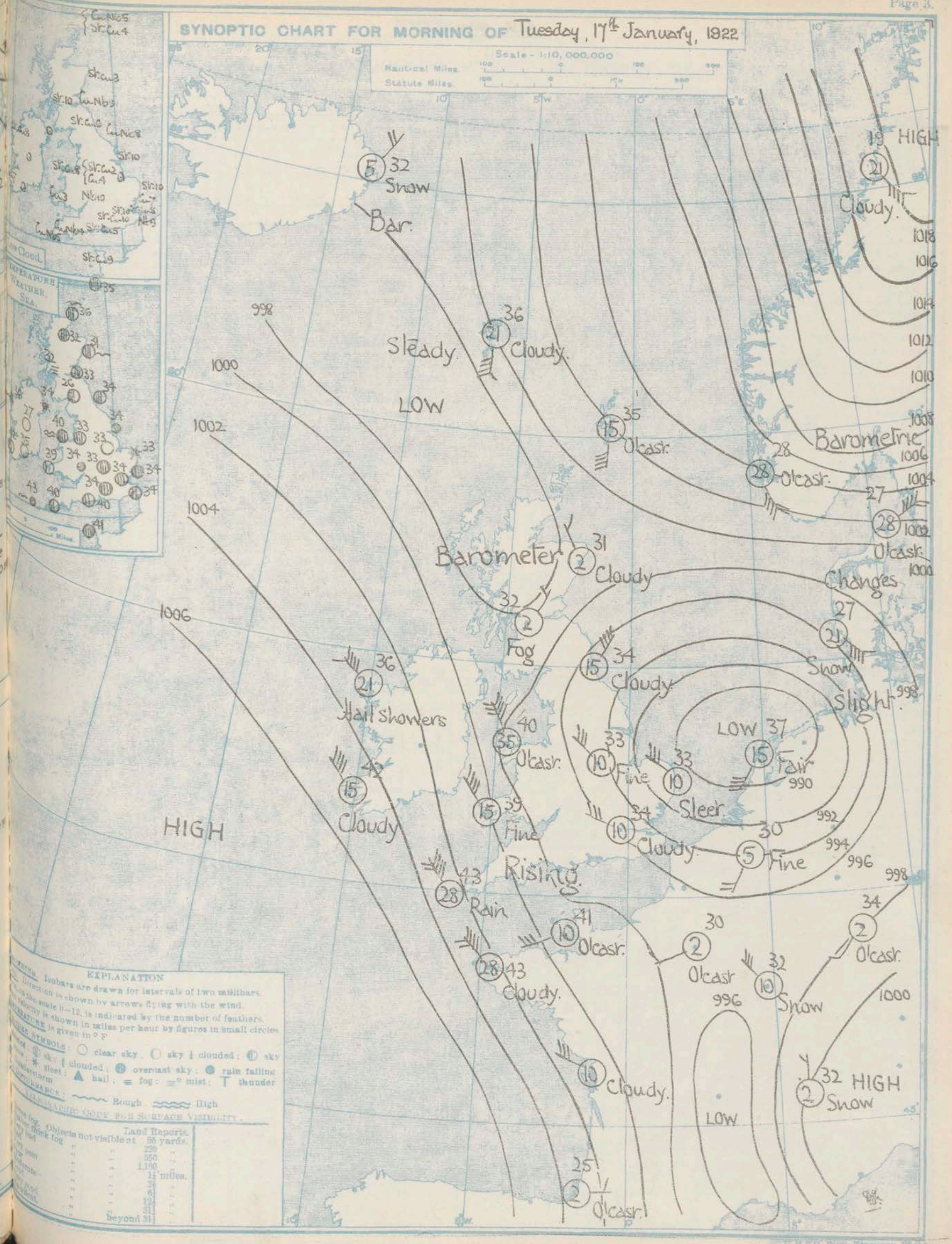
The stationary depression off the Dutch coast is becoming less deep and the N. to N.W. wind over the United Kingdom will moderate gradually the weather remaining cold with frost at night.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday 17th January 1922.	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	Fresh Northwesterly wind, moderating; mainly fine and bright; visibility good; cold, frost at night.	Cold, with frost at night for the next few days.
11. E. Scotland 12. S.W. Scotland	Light indefinite breezes; mainly fine and bright; some mist or fog at night but visibility moderate to good during the day; cold, frost at night.	
13. Isle of Man	Same as 1 to 10.	
14. N.&N.W. Scotland	Same as 11 to 12.	
15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland	Moderate S. to S.E. wind; cloudy; sleet or snow showers; visibility moderate; cold.	
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Fresh Northwesterly wind; varying amount of cloud, some showers of hail, sleet or snow; visibility good; cold, frost inland at night.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 1025.

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

† For Code see opposite page


SYNOPTIC CHART FOR MORNING OF Tuesday, 17th January, 1922
Scale - 1:10,000,000
Nautical Miles
Statute Miles
HIGH
Snow
Bar.
Cloudy.
Steady.
LOW
Barometer
Baromeetric
Changes
Slight.
Hail showers
Fine
Sleet.
Fair
Rising.
Rain
HIGH
Snow
EXPLANATION
Land Reports.
Beyond 31

M.O. Form 2370.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4. BRITISH SECTION. Tuesday 17th JANUARY 1922. No. 17.

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1001.7	+2	SE	6	0fs.	32	97	5	5750	Nb	10	-	10	*
Stornoway	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Wick	996.3	+2	SSE	6	0/s	36	85	8	2500	Nb	6	A.St	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head														*
Renfrew														*
Edinburgh (Inchkeith)	994.0	+4	S	1	0/s	33	92	7	-	Nb	10	-	10	*
Eskdalemuir														*
Tynemouth	992.1	+2	E	2	0/s	35	92	6	4000	Nb	10	-	10	*
Blacksod Point ...														*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	998.0	+3	WSW	3	b	29	85	8	1500	Cu	2	-	2	*
Holyhead	993.8	+2	NW	6	0ph.	*	*	8	2500	Cu	9	-	9	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	988.1	+2	NW	4	0s	34	92	4	-	-	0	A.St	10	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	990.7	+2	NW	4	0	30	97	4	1500	St	10	-	10	*
Gorleston	989.0	+1	W	2	0/s	33	97	5	1500	St	10	-	10	*
Pulham														*
Felixstowe														*
Valencia (Cahirciveen)	1001.5	+4	NW	4	bcPH	42	97	6	-	Cu.Nb	6	-	6	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	997.6	+2	NW	4	b-	39	92	9	2500	Cu	1	-	1	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	*	*	*	*	*	34	*	*	*	*	*	*	*	*
Croydon	992.8	+2	WSW	4	c+	34	85	6	4000	St.Cu	3	A.Cu	8	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	993.1	+2	WNW	3	bc+	33	92	7	-	-	0	A.Cu	4	*
Scilly (St. Mary's) ...	999.8	+2	NW	5	bc	42	97	8	4000	Cu.Nb	5	-	5	*
Falmouth (Pendennis)	998.7	+2	WNW	3	bc/s	38	65	7	4000	Cu.Nb	4	-	4	*
Plymouth (Cattewater)														*
Portland Bill	995.6	+1	NW	6	b-	37	85	7	-	-	0	-	0	*
Southampton (Calshot)	994.6	+1	W'S	4	b+	35	85	8	2500	Cu	1	-	1	*
Dungeness	992.8	+1	WNW	4	b+	34	92	7	4000	Cu	3	-	3	*
Jersey 7h.	996.5	+2	NW	3	c	40	85	8	5750	Cu	5	A.Cu	8	*
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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1001.7	-1	S	4	0-	35	85	6	4000	Cu.Nb	9	-	9	3
Stornoway	~~997.6~~	~~+2~~	~~NNW~~	~~3~~	~~c/s(h)~~	~~39~~	~~85~~	~~7~~	~~1500~~	~~St~~	~~8~~		~~8~~	
Wick	997.8	+2	ESE	5	bds	36	85	8	4000	Cu	5	+	5	6
Castlebay	984.6	+1	WNW	4	0/s	39	85	7	1500	St	10	-	10	3
Nairn	997.4	*	-	0	0	32	85	8	1500	St	9	-	9	4
Aberdeen	993.3	+2	N'W	1	c-/s	31	92	4	2500	St.Cu	3	Ci.St	8	6
Malin Head	998.3	+3	NE	1	0	32	97	4	800	St	10	-	10	*
Renfrew	997.1	+3	W	1	0	33	92	8	-	Cu.Nb	9	-	9	1
Edinburgh (Inchkeith)	998.0	+4	NNE	2	bc-	26	75	6	2500	St.Cu	6	-	6	*
Eskdalemuir	995.2	+3	NNE	4	c/p	34	97	7	2500	Cu.Nb	8	-	8	4
Tynemouth	1002.4	+4	WNW	5	c/ph.	36	92	5	-	St.Cu	8	-	8	6
Blacksod Point ...	998.9	+1	WNW	1	0rs-	34	85	7	-	-	0	A.St	10	1
Donaghadee	1002.2	*	W	1	b-	27	97	6	-	-	0	-	0	*
Birr Castle	1008.3	+3	W'S	4	b	29	85	8	1500	St	1	—	1	*
Baldonnell	997.0	+4	NNW	7	0+	40	85	8	1500	St.Cu	8	A.Cu	9	7
Holyhead	996.1	+3	N	1	bc/r	33	92	7	2500	Cu	6	-	6	3
Liverpool (Bidston) ...	995.1	+5	-	0	0+	32	97	6	2500	St.Cu	10	-	10	*
Chester (Shotwick) ...														*
Spurn Head	991.4	+5	NW	5	0PR-	34	97	5	1500	St	10	-	10	3
Nottingham	995.2	-	NW	3	b-	33	85	4	-	-	0	-	0	*
Cranwell	994.1	+5	NW	4	0	29	92	5	450	St	3	Ci.St	10	*
Gorleston	991.7	+3	W.NW	3	0rs.rs.	33	92	4	1500	St	10	-	10	*
Pulham	992.3	+2	W'S	4	0/s	32	92	5	2500	St	10	-	10	3
Felixstowe	994.2	+1	WNW	4	0	34	85	7	1500	St.Cu	10	-	7	5
Valencia (Cahirciveen)	1005.3	+4	NW	4	c/h.	42	65	8	2500	Cu	7	-	0	0
Roches Point	1003.7	+3	NW	2	b	35	92	8	-	-	0	-	3	3
Pembroke (St. Ann's H.)	1000.4	+3	NW	4	b	39	92	9	2500	Cu	3	-	10	*
Ross-on-Wye	997.0	+4	NW'W	2	0r.r.	34	92	6	800	Nb	10	-	10	*
Benson	995.9	+3	NW	1	0/s	33	92	8	-	St	10	-	10	*
S. Farnborough ...	996.0	+2	W	2	0	34	85	7	1500	St.Cu	10	-	8	*
London (Kew Obsy.) ...	995.7	+4	W'N	3	c	34	92	6	2500	St.Cu	8	A.St	10	*
Croydon	995.4	+3	W	3	0s.	34	92	6	800	Nb	9	-	7	0
Clacton-on-Sea ...	993.0	+3	WNW	3	c	34	85	5	4000	Cu	7	-	7	*
Shoeburyness	994.1	+3	WNW	2	c	34	85	6	4000	St.Cu	7	-	10	0
Grain	994.8	+6	W	3	0	34	92	6	2500	St.Cu	10	-	10	*
Lympne	994.8	+2	W	4	0s.	31	92	6	800	Nb	9	A.St	10	*
Scilly (St. Mary's) ...	1002.3	+2	NW	6	bcr.	43	97	8	4000	Cu.Nb	5	-	5	6
Falmouth (Pendennis)	1001.6	+2	W	4	bc/h	40	65	7	5750	Cu.Nb	4	-	4	1
Plymouth (Cattewater)	1000.3	+4	N	2	bc/h	38	85	8	1500	Cu.Nb	6	-	6	0
Portland Bill	997.0	+2	NW'W	6	bc+	40	85	7	1500	St.Cu	5	-	5	4
Southampton (Calshot)	996.8	+2	WNW	4	0+	35	75	8	2500	St.Cu	5	A.St	9	0
Dungeness	994.6	+2	WNW	4	bc	34	92	7	-	-	0	A.Cu	5	4
Jersey 7h.	999.5	+1	SW'W	3	0/r	41	65	8	4000	St.Cu	9	-	9	3
Guernsey 1h.														

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

Stations	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 18h.-9h. (15-16) mm.	Rainfall.† Day 9h.-17h. (16) mm.	Sunshine. Sunrise to Sunset (16) hr.	Sunshine. hr.
Banff	rss	s0.s	35	31	19	2	0.0	
Montrose								
Llandudno	h.o.c	c.h.o	42	40	-	1	0.4	
Colwyn Bay ...	o.h	h.	41	39	-	4	0.0	
Rhyl	p	c	44	38	2	1	0.0	
Southport	ors	ors	37	32	5	9	0.0	
Blackpool	0s.s	s.0	31	28	5	0.5	0.0	
Harrogate	0s	s0	32	27	3	1	0.0	
Skegness								
Aberystwyth ...	r.o.c	bc.o	42	39	9	-	2.8	
Bath	b	b	43	35	6	-	6.0	
Leamington Spa ...	c.b	c.b	41	32	6	-	3.2	
Lowestoft	0s	0sr	34	28	7	2	0.0	
Felixstowe	0	0	37	30	5	-	0.0	
Southend	0.c	bc	42	31	7	-	1.5	
Paignton	bc.shp	bcm	45	35	nm.	nm.	5.7	hr.
Ilfracombe	c.h3	c.bc.c	43	38	1	2	1.5	
Bude	prhc.	bc.prh	49	39	2	1	2.2	
Penzance	ph.bc	c.bc	45	38	4	1	2.2	
Falmouth Observatory	ph.bc	cph.	45	36	4	2	3.1	
Torquay	b.	b	46	37	1	-	5.8	
Weymouth	b.	b.bo.b	43	36	0.3	-	6.3	
Bournemouth ...	b	b	43	34	6	-	6.3	
Portsmouth (S'thsea)	b	b	43	35	1	-	7.6	
Worthing	b	b	42	35	10	-	7.6	
Brighton	b	b	42	34	12	-	7.4	
Eastbourne ...	b	b	42	33	14	-	7.2	
Hastings	bc.b	bc.b	42	30	4	-	5.0	
Folkestone	b	b.bc	41	30	8	-	6.1	
Tunbridge Wells ...	0	0	38	29	4	-	1.6	
Ramsgate	0.c.0	0	41	29	5	-	0.4	
Margate	q/c.bc	b.bc	40	30	12	-	4.4	
Deal								

* 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 21972 WEDNESDAY, 18th JANUARY 1922.

Observations at 1800 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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1003·3	0	SE	3	cpS₀	34	97	7	4000	CuNb	7	-	7	*
Stornoway	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Wick	999·8	+2	SSE	4	cjp	37	92	8	2500	CuNb	3	Ci	8	*
Castlebay	999·9	0	S	5	o/sd	37	85	8	4000	NB	10	-	10	4
Nairn	999·3	0	W	2	o/sd	41	75	8	2500	SN	10	-	10	2
Aberdeen	1000·3	0	-	0	bc/s(h)	32	85	8	1500	SN	5	-	5	*
	1007·6	+2	NW	2	b	24	92	4	5750	StCu	3	-	3	4
Malin Head	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Renfrew	1003·5	+3	-	0	Fo+	20	92	0	4150	SN	10	-	10	*
Edinburgh (Inchkeith)	1002·5	+3	W	1	mb	33	97	5	-	StCu	3	-	3	1
Eskdalemuir	1004·9	+3	-	0	b	15	92	6	-	-	0	-	0	*
Tynemouth	1002·2	+2	NW	2	b	28	97	6	-	-	0	-	0	3
Blacksod Point	1002·2	-4	SSW	5	opS₀	43	75	6	-	StCu	9	-	9	7
Donaghadee	1003·3	+2	WNW	1	b	35	85	8	-	-	0	-	0	1
Birr Castle	1006·1	*	S	1	b	33	97	7	-	-	0	aCu	3	*
Waldonnell	1006·1	+1	SW'W	2	b	34	85	8	4000	StCu	1	-	1	*
Holyhead	1005·0	+3	WSW	4	c	42	75	8	4000	Cu	7	-	7	4
Liverpool (Bidston)	1004·0	+3	NW'N	1	cjp	36	85	9	2500	Cu	7	-	7	1
Chester (Shotwick)	1003·5	+4	WSW	1	o	35	92	5	1500	St	9	-	9	*
Spurn Head	1000·7	+4	NW	5	mb	34	92	5	1500	St	2	-	2	4
Nottingham	1003·6	*	NNW	2	b	33	75	2	-	-	0	-	0	*
Cranwell	1003·4	+5	W'N	4	b	27	75	6	2500	St	1	Ci	3	*
Gorleston	1000·3	+5	NW	4	ors₀	33	97	6	2500	St	10	-	10	2
Pulham	1001·4	+2	W	4	opS₀	32	97	5	1500	St	10	-	10	*
Felixstowe	1003·7	+5	NW'W	4	c-	34	75	6	-	-	0	aSt	7	3
Valencia (Cahirciveen)	1006·4	-3	S	3	o+	42	75	9	4000	St	2	aSt	10	6
Roches Point	1007·8	+1	-	0	b+	36	92	8	-	-	0	CiSt	3	0
Pembroke (St. Ann's H.)	1007·5	+3	WNW	3	b	41	85	9	2500	Cu	2	-	2	3
Ross-on-Wye	1005·6	+4	SW	1	b-	34	85	8	4000	StCu	1	-	1	*
Beeston	1005·0	+5	WNW	1	b	32	85	6	-	-	0	-	0	
S. Farnborough	1005·5	+5	W'N	1	mmb	30	92	6	-	-	0	-	0	*
London (Kew Obsy.)	1004·8	+5	W	2	b	35	85	5	-	-	0	-	0	*
Croydon	1004·6	+4	SW	3	bc	33	85	5	-	-	0	Ci	5	*
Clacton-on-Sea	1002·1	+5	W	3	c	34	75	4	-	-	0	aSt	7	0
Shoeburyness	1003·2	+5	NW	1	b-	34	75	6	-	-	0	aSt	1	*
Grain	1004·0	+6	W	3	c-	33	85	6	-	-	0	CiSt	7	0
Lympne	1003·6	+5	W	3	b-	31	75	5	-	-	0	Ci	2	*
Reilly (St. Mary's)	1008·9	+2	NW'N	4	c	44	97	8	4000	CuNb	7	-	7	6
Falmouth (Pendennis)	1008·5	+6	NNW	2	bc	42	65	7	4000	Cu	5	-	5	0
Plymouth (Cattewater)	1007·8	+5	WNW	2	b-	39	85	8	4000	StCu	1	-	1	0
Portland Bill	1006·1	+3	NW	5	b-	41	85	7	-	-	0	CiCu	2	5
Southampton (Calshot)	1005·7	+5	W'N	2	bc	35	85	8	4000	StCu	4	-	4	0
Dungeness	1003·4	+6	NW	3	bc	33	92	7	1500	St	5	-	5	4
Jersey	1007·8	+1	WNW	4	b-	42	65	8	4000	StCu	2	-	2	3

LONDON OBSERVATIONS.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. Min. Day.	Rainfall. Min. 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	obcC	cbm	bx bmx	*	*	19	-	-	3·2	*	*
Croydon	OS₀m	ombc	bc bmx	*	*	23	15	-	2·2	*	*
Greenwich (Royal Obsy.)	obc	bz	bmX	37	25	17	-	-	0·0	68	88
City (Bunhill Row)	*	*	*	*	*	*	*	*	0·0	*	*
Westminster (St. James' Pk.)	*	*	*	38	26	21	-	-	1·4	74	80
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*		*	-
Camden Sq. (Brit. Rainfall)	c	b	*	37	24	21	-	-	*	77	84
Kensington Palace	bc	bc	*	38	26	20	-	-	*	82 (8h)	92
Hampstead Observatory	*	*	*	36	27	17	-	-	3·8	*	87

ATMOSPHERIC POLLUTION. Milligrams of Solid impurity per cubic metre.

24 Hr. ended 1600 G.M.T. 17th

South Kensington

Max.	Time.	Min.	Time.
1·3	1800 16th	0·3	0100 to 0500 17th
2·0	0900 17th		

Kew Observatory

Max.	Time.	Min.	Time.
0·6	1000 17th	0·3	0300 17th
0·6	1500 17th		

SOLAR RADIATION. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total ..... joules

Average Rate ..... Milliwatts.

Maximum Rate ..... Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 17th 17 h. 30 m. to 18th 06 h. 45 m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	13 15	13 15	100
ζ Ursæ Minoris	13 15	9 42	73

RADIO DISTURBANCES (Atmospherics) AT CROYDON.‡

Time.	Type.	No. per 4 sec.	Strength.	Direc.
12h.	CC	6	-	155°
16h.	CC	6	-	165°
01h.	C	6	-	155°
07h.	CC	6	-	60°

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

18th & 19th JANUARY, 1922.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7·35	12·3	4·11
	7·54	12·4	4·13
Greenwich	7·59	12·10	4·23
	7·57	12·11	4·26
Wick	8·48	12·22	3·57
	8·46	12·23	4·0
Valencia	8·41	12·31	4·21
	8·40	12·32	4·24

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow. t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.
jp precipitation within sight.

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:—

H = 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.

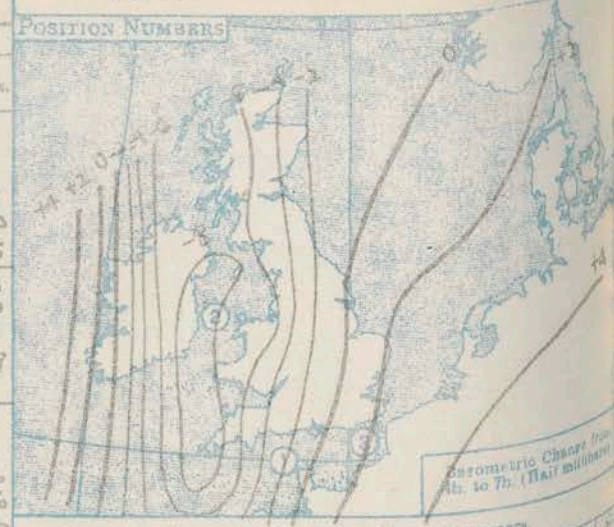
* For explanation, see Introduction. * Information for these columns not usually received. § The barometric change is expressed in half millibars. ‡ For code see page 2.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 17th.	13h.-18h. 17th.	18h.-1.15 h. 17th.	1h.-7h. 18th.	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	c	c	s or rs	s or rs	36	33	•	1	1	1330	<2100	•
Stornoway		c		p	39	33	•	1	3	~	~	1.8
Wick	c s p₀	o s p₀	c	c	38	34	•	0.1	~	1330	~	•
Castlebay	o.bc o p	rs bc o	o d p	d p rd₀	41	38	•	0.6	8	~	<2100	3.8
Nairn	oo		b or bc		32	25	•	0.4	~	1430	~	0.0
Aberdeen	o m bm	b or bc	b m bc		32	23	15	~	~	~	~	3.5
Malin Head			oo	irs	43	34	•		3		2400	4.3
Renfrew	o F F	o F F	o f o m		32	17	14	trace	0.1	~	~	0.0
Edinburgh (Inchkeith)	f or m	f or m	f r m	f or m	33	28	23	trace	~	~	~	•
Eskdalemuir	b or bc	b or bc	c		28	8	4	~	~	~	~	3.8
Tynemouth	i s h	b or bc m	b b c m	b b c m	35	22	~	1	~	<0800	~	•
Blacksod Point ...	h or m	p	p	p	45	42	•	1	20	1530	2200	•
Donaghadee	b c p s	b c	b c m	o m r q	40	31	•	1	6	<0800	0330	•
Birr Castle	b c x	b c x	x i R	c o	40	32	25	~	9	~	~	0.6
Baldonnell	b or bc	b or bc	b or bc	R R	39	31	23	0.2	7	~	0430	5.6
Holyhead	o bc	b c p₀ c	bc bo	p	42	37	33	0.4	0.5	~	~	2.0
Liverpool (Bidston) ...	b or bc	b or bc	c		38	31	25	~	~	~	~	4.8
Chester (Shotwick) ...	b b c m	b b c o m	b c p s	b c o	39	29	23	~	trace	~	<2100	•
Howden												
Spurn Head	s or rs	s or rs	b or bc	f or m	35	27	•	trace	~	~	~	0.0
Nottingham	f or m	f or m	b or b c m		36	21	8	~	~	~	~	0.0
Cranwell	c	c m m r	b or bc	m f	32	16	14	~	~	~	~	0.4
Gorleston	s or rs	o p s. c. o	b m x	b x m	39	22	20	2	~	<0800	~	0.0
Pulham	s or rs	s or rs	c		35	19	13	40.1	~	0900	~	0.0
Felixstowe	oo	c	F		36	25	25	~	~	~	~	0.0
Valencia (Cahirciveen)	c p h bc	bc. c. o	o o r r	o f o c b	46	43	39	1	19	<0800	2100	4.9
Roches Point	b or bc	b or bc	o R	r b	41	36	•	~	10	~	2400	•
Pembroke (St. Ann's H.)	b or bc	b or bc	c	o q i r	43	39	•	~	2	~	0230	6.7
Ross-on-Wye	c o p₀ c	c. b. bc m	b b x	b b c o x	39	27	20	0.1	~	0900	~	1.0
Benson...	bc. b	c	b or bc		37	21	16	~	~	~	~	•
S. Farnborough ...	c	f or m	b or bc		39	22	14	~	~	~	~	3.8
London (Kew Obsy.)	o b c c	c. b m	b x b x	b x b m x	38	28	19	~	~	~	~	3.2
Croydon	o g m	o m bc	bc b m x	b m x	37	27	23	trace	~	<0800	~	2.2
Clacton-on-Sea ...	c m m		c b m	b c m x	36	27	22	~	~	~	~	1.6
Shoeburyness	b or bc	b or bc	b or bc		38	28	17	~	~	~	~	4.5
Grain	c	c	b or bc		37	26	14	~	~	~	~	3.8
Lympne	o c m m	bc. b m	b or bc	b or bc	35	27	15	trace	~	<0800	~	2.2
Scilly (St. Mary's) ...	b c q	c	c	r or d.	46	42	•	1	1	0900	0510	3.9
Falmouth (Pendennis)	b c p h	b c p bc	b c b	b b c o m	44	35	•	1	~	1330	~	7.3
Plymouth (Cattewater)	b or bc	b or bc	o o		43	28	26	~	trace	~	~	6.8
Portland Bill	b or bc	b or bc	b or bc	b or bc	45	40	•	~	~	~	~	•
Southampton (Calshot)	c	c	b or bc	f or m	40	29	23	~	~	~	~	2.3
Dungeness	c	c	b or b c x	m x x	38	26	•	~	~	~	~	•
Jersey	o b c c	c. b	b w x	b w x	40	33	•	~	~	~	~	4.8

ISALLOBARS. 18th January, 1922.

POSITION NUMBERS



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Barometer
2	17th 1000	Scotia	NW	5	b	38	47	8
1	17th 1300	Reindeer	NW	5	h (r)	44	50	8

GENERAL INFERENCE.

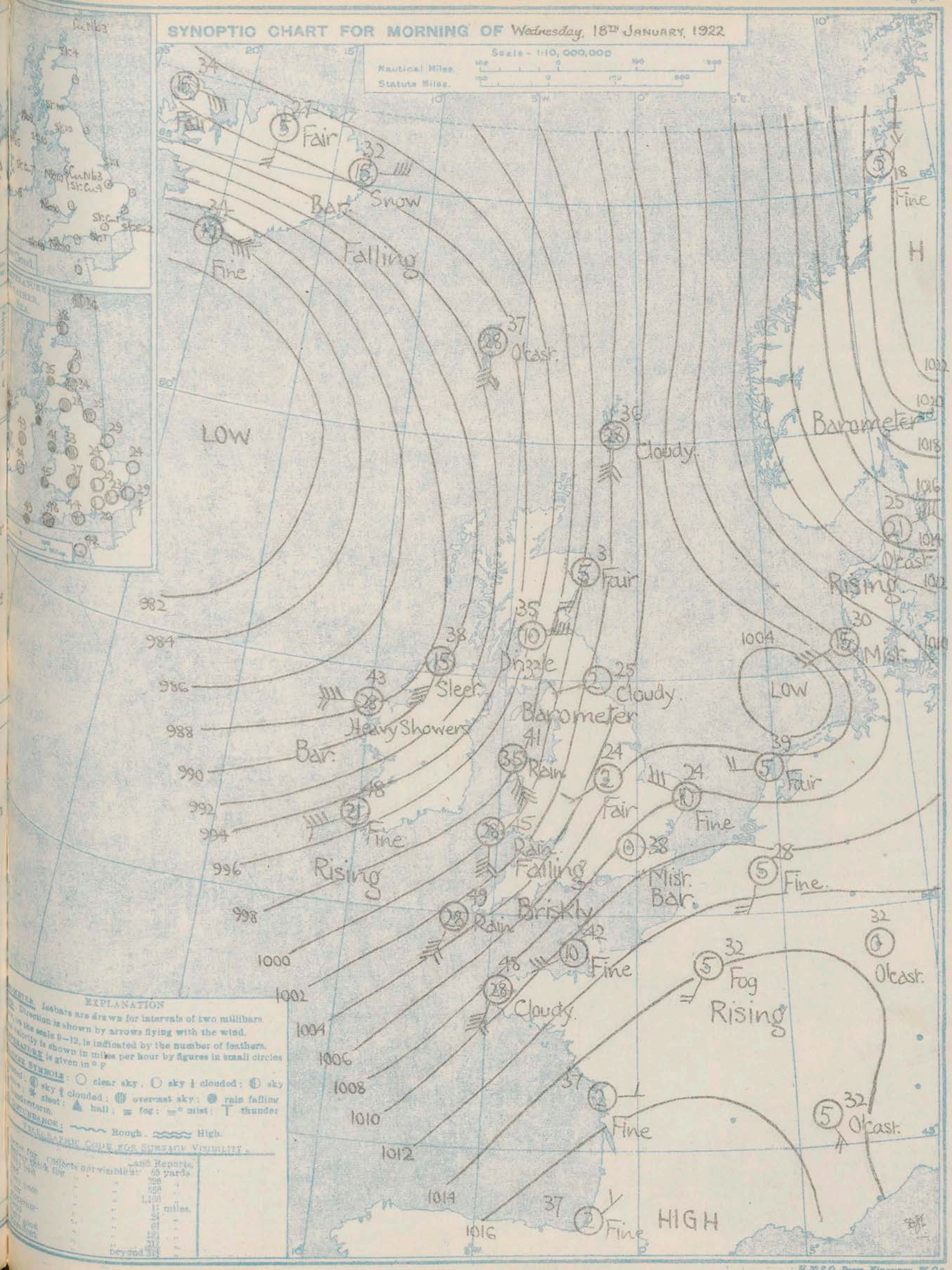
A deep depression to the West of Scotland will cause temporarily rather milder weather in all districts, with S. to S.W. winds, and rain will probably extend even to the East of England within the next 24 hours, followed by sleet or snow later.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday 18th January 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands ~~4. W. Midlands~~	Wind S. to S.W., freshening; much low cloud, some rain or drizzle, probably turning to sleet or snow later; visibility moderate; rather milder than of late but probably becoming colder again.	Colder, with some snow.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind S.W. to W., fresh to strong; much low cloud, some rain probably turning to sleet or snow later; visibility moderate; rather cold.	
~~11. E. Scotland~~ 12. S.W. Scotland 13. Isle of Man 14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind Southerly fresh to strong; much low cloud, some sleet or snow; visibility poor to moderate; cold.	
~~17. N.W. Ireland~~ 18. N.E. Ireland	Wind S.W. to W., strong; much low cloud, some sleet or snow; visibility moderate to good; rather cold.	
19. S.E. Ireland 20. S.W. Ireland	Strong Westerly wind, veering towards N.W. later; varying amount of cloud, rain or hail showers; visibility moderate to good; rather cold.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at

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

§ For Code see opposite page



EXPLANATION

PRESSURE. 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. Velocity is shown in miles per hour by figures in small circles.

TEMPERATURE is given in ° F

CLOUD SYMBOLS: clear sky. sky ¼ clouded; sky ½ clouded; sky ¾ clouded; overcast sky; rain falling; sleet; hall; fog; mist; thunder; thunderstorm.

GROUND SEA: Rough. High.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

		and Reports
Very thick fog	Objects not visible at	55 yards
Thick fog		220 "
Fog, moderate		550 "
Fog, light		1,100 "
Haze, distinguishable		11 miles.
Haze, indistinguishable		26 "
Very good		64 "
Good		32 "
Moderate		16 "
Poor		31 "
Very poor	beyond	31 "

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. WEDNESDAY, 18th JANUARY 1922. No. 18.

Observations at 0100 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)	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. (0-10)	Cloud Upper Form.	Cloud Total Amt. (0-10)	Sea. (0-9)
Lerwick	1003.8	-1	S	7	ops₀	37	75	6	-	-	0	A.St	10	•
Stornoway	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Wick	1006.2	-1	S	5	c	37	85	8	-	-	0	Ci	8	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	995.3	-8	SSW	4	o+	39	92	8	4000	CuNb	10	-	10	•
Renfrew														•
Edinburgh (Inchkeith)	1002.9	+1	E	1	mbc-	29	97	5	-	-	0	A.Cu	4	•
Eskdalemuir														•
Tynemouth	1004.7	+1	WSW	2	b	26	97	6	-	-	0	-	0	•
Blacksod Point														•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Baldonnell	1002.1	-3	S'W	5	bc+	39	75	8	-	-	0	A.St	5	•
Holyhead	1004.2	-3	S	4	o	•	•	8	2500	Cu	1	A.St	10	•
Liverpool (Bidston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1005.2	+3	WNW	3	b	31	75	4	-	-	0	-	0	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1007.6	+2	W'S	3	b	22	85	4	-	-	0	-	0	•
Gorleston	1005.7	+2	NW	3	b-	31	97	4	-	-	0	-	0	•
Pulham														•
Felixstowe														•
Valencia (Cahirciveen)	1005.2	0	SW	5	orr	49	97	3	-	CuNb	10	-	10	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1007.4	-1	SW	3	o+	43	75	9	2500	Cu	2	A.St	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	•	•	•	•	•	30	•	•	•	•	•	•	•	•
Croydon	1008.8	+3	W	2	b	30	92	5	-	-	0	-	0	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1008.7	+4	NW	2	b	26	92	5	-	-	0	Ci	2	•
Scilly (St. Mary's)	1008.6	-2	WSW	4	c	46	97	8	4000	St.Cu	8	-	8	•
Falmouth (Pendennis)	1011.1	0	•	0	b	42	65	7	4000	Cu	2	-	2	•
Plymouth (Cattewater)														•
Portland Bill	1008.7	0	NNW	4	b	40	85	7	-	-	0	-	0	•
Southampton (Calshot)	1009.3	+1	NW	2	b-	31	85	7	-	-	0	-	0	•
Dungeness	1008.5	+3	N	2	b	26	97	7	-	-	0	-	0	•
Jersey 7h / Guernsey 1h	1011.6	+3	NW	3	b	40	65	9	5750	St.Cu	3	-	3	•

Observations at 0700 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)	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. (0-10)	Cloud Upper Form.	Cloud Total Amt. (0-10)	Sea. (0-9)
Lerwick	1002.3	-2	S	6	c	36	92	6	4000	CuNb	3	A.St	8	5
Stornoway	987.5	-8	SE	7	opr₀	39	85	6	450	St	10	-	10	6
Wick	996.3	-4	SSE	7	bc-	38	92	8	800	St	4	-	4	4
Castlebay	987.4	-8	SSE	5	od-	42	97	6	800	Nb	10	—	10	7
Nairn	996.5	•	-	0	c+	36	75	8	1500	St	8	-	8	•
Aberdeen	1000.3	-2	SSW	2	bc+	31	92	5	-	-	0	A.St	6	1
Malin Head	987.5	-6	SSW	4	orsrs	38	97	7	5750	Nb	9	-	9	3
Renfrew	996.9	-7	E	3	od₀	35	85	6	800	St	10	-	10	•
Edinburgh (Inchkeith)	998.5	-5	SSW	2	olf	34	85	8	-	CuNb	3	A.St	10	1
Eskdalemuir	1000.0	-5	SSE	2	o+	28	97	6	800	St	10	-	10	•
Tynemouth	1003.3	-2	WSW	1	c+	25	97	5	-	-	0	A.St	8	2
Blacksod Point	?987.5	+4	W	6	bcPR	43	75	5	-	CuNb	5	-	5	6
Donaghadee	994.3	-7	SW	3	orr	41	92	8	2500	St	10	-	10	3
Birr Castle	992.4	•	SW	1	c+	43	97	3	2500	St.Cu	7	-	7	•
Baldonnell	993.0	-9	SSW	5	orr	43	92	6	800	Nb	10	-	10	•
Holyhead	997.0	-8	SSE	7	orr	41	97	6	800	Nb	10	-	10	6
Liverpool (Bidston)	1000.9	-5	SE	4	c-	33	85	6	2500	St.Cu	7	-	7	4
Chester (Shotwick)	1001.0	-9	SSE	3	o	32	75	7	1500	St	10	-	10	•
Spurn Head	1006.0	+1	W	3	b/f	29	97	4	1500	St	1	Ci	2	3
Nottingham	1006.2	•	SW	1	bc-	24	75	3	-	-	0	Ci	4	•
Cranwell	1007.2	-1	S	3	bc	16	92	5	-	-	0	Ci	5	•
Gorleston	1008.6	+3	W'N	3	b	24	92	4	-	-	0	-	0	1
Pulham	1008.9	+2	SW	2	Fb-	21	97	1	-	-	0	-	0	•
Felixstowe	1010.8	+2	W	3	Fo+	28	97	1	<150	St	10	-	10	0
Valencia (Cahirciveen)	995.9	+2	WSW	5	b/r	48	65	8	2500	Cu	1	-	1	5
Roches Point	996.3	+1	NW	1	b	44	92	8	-	-	0	-	0	1
Pembroke (St. Ann's H.)	999.6	-6	S	6	or	45	97	7	2500	Nb	10	-	10	6
Ross-on-Wye	1005.1	-4	SW	3	o+	37	75	8	-	-	0	A.St	9	•
Benson	1008.1	-1	-	0	b	29	85	8	-	St.Cu	1	Ci	2	•
S. Farnborough	1009.6	0	-	0	b	26	92	5	1500	St	1	-	1	•
London (Kew Obsy.)	1009.9	0	-	0	mb-	28	92	5	-	-	0	A.St	1	•
Croydon	1010.3	0	S	3	b+	28	97	5	-	-	0	Ci	1	•
Clacton-on-Sea	1009.6	+3	W	3	fb-	29	85	2	-	-	0	A.St	3	0
Shoeburyness	1009.7	+1	SW	1	b	29	85	5	-	-	0	A.Cu	1	•
Grain	1010.0	+2	-	0	b	28	92	5	-	-	0	A.St	1	0
Lympne	1009.4	+2	W	2	b	27	97	6	4000	St.Cu	2	Ci	3	•
Scilly (St. Mary's)	1002.2	-8	SSW	6	orr	49	97	7	1500	St	10	-	10	6
Falmouth (Pendennis)	1004.1	-10	SW	8	o+	48	75	6	2500	Nb	10	-	10	1
Plymouth (Cattewater)	1005.9	-5	SSW	6	ojp	47	92	7	800	St	10	-	10	4
Portland Bill	1007.0	-2	SSW	6	bc+	44	85	7	-	-	0	A.Cu	4	4
Southampton (Calshot)	1009.3	-1	E	2	mmb	35	97	5	4000	St.Cu	1	-	1	0
Dungeness	1010.2	+2	NW	2	b	27	97	6	-	-	0	.	0	3
Jersey 7h / Guernsey 1h	1010.6	0	SW	3	b	42	75	8	-	-	0	.	0	3

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 17th JANUARY

Stations	Weather Forenoon	Weather Afternoon	Temperature Max. Day °F.	Temperature Min. Night °F.	Rainfall Night 18h.-8h. 16th-17th (mm.)	Rainfall Day 8h.-17h. 17th (mm.)	Sunshine Sunrise to Sunset 17th (hr.)	Sunshine Sunrise to Sunset (hr.)
Banff	bc	bc.c	?	23	1	-	0.5	
Montrose	bc	b.bc	32	28	3	-	1.5	
Llandudno	orsc	poc	40	34	12	2	0.3	
Colwyn Bay	c.o	ophcq	39	34	6	1	0.2	
Rhyl	c.bc	bccp	40	33	6	0.1	1.5	
Southport	bc	b	37	28	5	-	6.2	
Blackpool								
Harrogate	b	b	31	27	2	-	3.7	
Skegness	oso.bc	c.bc.b	33	30	0.5	4	0.0	
Aberystwyth	oc	ro	41	38	•	4	0.5	
Bath	r.o	bc.b	41	31	0.3	-	3.0	
Leamington Spa	c.bc	o	41	29	-	-	1.0	
Lowestoft	ops	oco	34	31	2	0.2	0.0	
Felixstowe	ozmg	qh	36	32	1	-	0.0	
Southend	o.c	bc	39	32	0.1	-	3.3	

Stations	Weather Forenoon	Weather Afternoon	Temperature Max. Day °F.	Temperature Min. Night °F.	Rainfall Night 18h.-8h. 16th-17th (mm.)	Rainfall Day 8h.-17h. 17th (mm.)	Sunshine Sunrise to Sunset 17th (hr.)	Sunshine Sunrise to Sunset (hr.)
Paignton	b.bc	bbchpbrr	44	32	1	trace	7.6	
Ilfracombe	c.bc	bc c	43	38	-	-	5.3	
Bude	b	b	45	39	0.3	-	5.4	
Penzance	phc bc	bc c	47	37	2	0.3	6.5	
Falmouth Observatory	bcph	cph	45	35	5	0.4	6.9	
Torquay	b	b	41	31	-	-	7.3	
Weymouth	bc	bcb	44	33	-	-	4.1	
Bournemouth	bc	bcb	40	31	-	-	3.7	
Portsmouth (S'thsea)	bc	bc	40	34	-	-	2.6	
Worthing	c	bc	40	30	-	-	4.0	
Brighton	o.c	bc b	40	32	0.2	-	3.7	
Eastbourne	o.c	b.bc	39	33	-	-	2.7	
Hastings	o.c	c.bc.b	38	30	trace	-	2.0	
Folkestone	c	c	38	28	-	-	0.7	
Tunbridge Wells	o.c.	bcb	37	29	-	-	1.3	
Ramsgate	bc	bc	36	30	0.3	-	2.8	
Margate	o	c	38	33	-	-	0.5	
Deal	mcbc	b.bc	37	32	-		4.0	

* 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.21973 THURSDAY 19th JANUARY 1922. Page 1.

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	Height of Low Cloud. Feet	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	997.7	-4	SSE	7	oH(os)	39	85	5	2500	Nb	10	–	10	*
Stornoway	985.4	-2	SE'S	5	oror	41	92	6	450	St	10	–	10	*
Wick	992.5	-4	SSE	9	orr	36	97	5	800	St	10	–	10	*
Castlebay	987.7	+2	SW	5	or r	45	75	7	1500	St	10	–	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	996.4	-3	SSE	5	ors.rs	36	97	6	2500	Nb	10	–	10	*
Malin Head	990.1	+3	S	3	bc-	43	92	7	4000	Cu	4	–	4	*
Renfrew	992.9	-2	S	3	ojp	37	85	6	1500	Nb	10	–	10	*
Edinburgh (Inchkeith)	993.0	-1	S	3	ojp	35	92	7	–	StCu	10	–	10	*
Eskdalemuir	995.0	-3	S'E	4	o/s(h)	33	92	6	800	St	10	–	10	*
Tynemouth	997.8	-4	SSW	4	oss	33	97	3	2500	St	10	–	10	*
Blacksod Point	?	+5	WSW	6	o+	46	75	7	–	StCu	9	–	9	*
Donaghadee	994.4	+3	WSW	2	b/r	44	75	8	4000	Cu	2	–	2	*
Birr Castle	995.3	*	SW	1	b-	46	85	7	4000	Cu	2	–	2	*
Baldonnell	996.5	+3	SW'W	4	b-	45	75	8	4000	Cu	1	–	1	*
Holyhead	997.5	+6	SW	4	b	48	75	7	2500	Cu	1	a.St	2	*
Liverpool (Bidston)	998.5	+2	SSE	3	bc-	38	92	7	2500	Cu	4	–	4	*
Chester (Shotwick)	998.1	+1	S	4	c/r	39	85	6	1500	St	8	–	8	*
Spurn Head	1003.8	-3	S	4	o	35	92	5	–	–	0	a.St	10	*
Nottingham	1002.7	*	SSW	4	oro	38	85	6	2500	Nb	10	–	10	*
Cranwell	1004.7	-3	SE'S	4	os	33	85	6	1500	St	7	a.St	10	*
Gorleston	1009.5	+1	SW'S	3	c+	34	92	6	–	–	0	a.St	8	*
Pulham	1008.5	-1	S'E	3	o/f	34	85	4	5750	St	10	–	10	*
Felixstowe	1010.8	-1	S	4	o/f	39	85	7	–	–	0	a.St	10	*
Valencia (Cahirciveen)	996.7	-1	WNW	3	cpho	45	75	8	1500	StCu	7	a.Cu	8	*
Roches Point	998.0	0	SW	2	b	49	75	8	–	–	0	a.Cu	1	*
Pembroke (St. Ann's H.)	999.7	+2	WSW	3	b/r	46	85	8	2500	Cu	2	–	2	*
Ross-on-Wye	1001.1	-4	S'W	5	o/r	44	85	7	2500	Nb	7	a.Cu	9	*
Benson	1004.9	-4	S	5	o+	40	85	7	–	St	10	–	10	*
S. Farnborough	1006.8	-2	S	5	o	41	85	7	2500	St	10	–	10	*
London (Kew Obsy.)	1007.1	-4	SSW	3	o/f	41	75	6	5750	St	9	a.St	10	*
Croydon	1008.3	-3	S'W	4	o	40	85	6	5750	StCu	4	a.St	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1007.0	-3	SSW	1	o+	41	75	6	5750	StCu	1	a.St	9	*
Grain	1009.0	-2	SSW	4	o+	41	~~75~~ 85	~~8~~ 7	4000	Cu	1	a.St	9	*
Lympne	1009.7	-2	SSW	5	o+	40	75	8	4000	Cu	4	Ci.St	10	*
Scilly (St. Mary's)	1001.6	0	W'N	4	b/r	51	97	8	4000	StCu	2	–	2	*
Falmouth (Pendennis)	1001.0	-4	SW	6	bc/r	51	85	6	4000	Cu	4	–	4	*
Plymouth (Cattewater)	1001.4	-4	SSW	5	oPR-	49	97	7	450	Nb	9	–	10	*
Portland Bill	1003.0	-4	SW	8	o+	47	85	6	450	St	10	–	10	*
Southampton (Calshot)	1006.4	-4	S	5	oro	44	85	7	1500	St	4	a.St	10	*
Dungeness	1009.2	-1	SW	5	bc+	43	75	8	4000	Cu	5	–	5	*
Jersey	1009.0	-1	S	4	o	45	85	8	1500	St	10	–	10	*

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	Height of Low Cloud. Feet	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	997.7	-1	SSE	8	oror	38	85	5	2500	Nb	10	–	10	7
Stornoway	988.0	+2	S	3	cpr	39	92	6	4000	Nb	8	–	8	2
Wick	992.0	0	S	5	c/r	39	92	6	2500	Nb	4	Ci	7	8
Castlebay	990.1	+2	S	4	bc/s(h)	42	92	7	1500	Nb	5	–	5	5
Nairn	992.6	*	–	0	bc-	34	85	8	–	–	0	Ci	4	*
Aberdeen	995.3	0	SW	2	b/r	36	92	5	–	–	0	–	0	4
Malin Head	992.1	+2	SW	3	o/r	41?	97	7	5750	Nb	3	a.St	10	1
Renfrew	995.8	+2	SSW	2	bc	37	85	5	5750	StCu	4	–	4	*
Edinburgh (Inchkeith)	995.9	+4	WSW	3	bc-	39	85	7	–	StCu	4	–	4	2
Eskdalemuir	997.8	+3	SSW	3	bc-	36	92	6	800	St	5	–	5	*
Tynemouth	999.3	+3	SW	3	o/s(h)	36	85	5	–	–	0	a.St	9	2
Blacksod Point	?	+1	W'N	6	cpro	42	92	5	–	CuNb	7	–	7	7
Donaghadee	995.9	+2	SSW	2	bc+	40	85	8	4000	Cu	2	a.Cu	4	2
Birr Castle	996.3	*	W	1	oro	40	97	6	2500	Nb	9	–	9	*
Baldonnell	997.4	+1	S'E	3	o	37	85	6	4000	St	7	a.St	9	*
Holyhead	998.0	0	S'W	2	b	45	85	7	–	–	0	a.St	1	1
Liverpool (Bidston)	999.7	+2	SSE	3	b/s(h)	36	85	8	–	–	0	–	0	3
Chester (Shotwick)	999.1	+1	SE	3	b	35	92	5	–	–	0	–	0	*
Spurn Head	1002.4	-1	S	4	bc-	36	97	5	–	–	0	a.St	6	4
Nottingham	1002.0	*	SW	3	c-	39	92	6	–	–	0	a.St	7	*
Cranwell	1003.5	0	SSE	5	o	35	97	6	1500	StCu	10	–	10	*
Gorleston	1008.6	-1	SW'S	5	o	38	97	7	–	–	0	a.St	10	4
Pulham	~~[illegible]~~ 1007.0	-1	S'E	4	orf+	36	97	5	1500	Nb	10	–	10	*
Felixstowe	1009.1	-2	S	5	o	40	75	8	7250	StCu	2	a.St	10	1
Valencia (Cahirciveen)	996.8	0	NW'N	2	o+	43	85	8	1500	Cu	8	a.St	10	4
Roches Point	996.9	+1	WSW	1	o	42	97	8	1500	StCu	9	–	9	1
Pembroke (St. Ann's H.)	999.9	-1	SW	2	oprro	47	85	8	1500	Nb	9	–	9	4
Ross-on-Wye	1001.5	0	SW'S	1	b-	43	92	6	2500	St	2	–	2	*
Benson	1002.6	-3	S	5	oro	42	92	6	–	Nb	10	–	10	*
S. Farnborough	1004.2	-3	S	6	orob	41	97	6	1500	Nb	10	–	10	*
London (Kew Obsy.)	1004.5	-3	S'W	4	o/r	41	97	6	2500	Nb	7	a.St	10	*
Croydon	1006.1	-2	SSW	3	orr	40	97	5	1500	Nb	10	–	10	*
Clacton-on-Sea	1007.2	-1	S	5	c+	40	85	7	4000	St	8	–	8	4
Shoeburyness	1007.3	-1	SSW	3	od+	40	85	6	1500	St	9	–	9	3
Grain	1007.4	-2	S	5	oro	41	75	8	2500	Nb	10	–	10	3
Lympne	1007.2	-2	S'W	6	oro	40	85	8	1500	Nb	10	–	10	3
Scilly (St. Mary's)	1000.5	-1	WSW	4	b	50	97	8	4000	CuNb	3	–	3	6
Falmouth (Pendennis)	1001.0	0	SW	4	bc	49	92	6	4000	Cu	5	–	5	2
Plymouth (Cattewater)	1001.4	0	SW	3	o+	50	97	7	2500	StCu	10	–	10	1
Portland Bill	1001.7	-2	SW'S	8	oRR	47	85	6	450	St	10	–	10	7
Southampton (Calshot)	1003.8	-3	S'W	6	oror	45	92	6	1500	Nb	10	–	10	3
Dungeness	1006.1	-2	SW	6	c	43	75	8	4000	Cu	7	–	7	6
Jersey	1006.7	-1	S	6	o/r	45	92	8	1500	Nb	10	–	10	6

LONDON OBSERVATIONS — 24 HOURS ENDED 0900 G.M.T. 19th (Kew, Croydon: 24 hours ended 0700)

London Observations	Weather Morning	Weather Afternoon	Weather Night	Temp. Max °F.	Temp. Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)
Kew	bcm/om	omobo	oqor,ro	*	*	38	2	13	0.0	*	*
Croydon	bm om x	oim r,r	om r,RR	*	*	37	2	17	0.0	*	*
Greenwich (Royal Obsy.)	o ⊕	or	orq	45	31	36	0.5	13	0.7	76	95
City (Bunhill Row)	*	*	*	*	*	*	*	*	0.0		
Westminster (St. James' Pk.)	*	*	*	47	33	29	2	17	0.0	78	93
Regents Pk. (Botanical Gdns.)	*	*	*				*				
Camden Sq. (Brit. Rainfall)	bm	or	*	46	31	36	3	15	*	77	99
Kensington Palace	oo	or	*	46	41	39	2	15	*	74(18h)	97
Hampstead Observatory	*	*	*	44	31	26	3	12	0.0	*	95

ATMOSPHERIC POLLUTION. Milligrams of Solid impurity per cubic metre.

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

South Kensington	Max.	Time.	Min.	Time.
	2.0	2100 17th	0.3	0200 to 0400 18th
	2.5	0800 18th		
Kew Observatory	Max.	Time.	Min.	Time.
	0.8	2100 17th	0.3	0300 18th
	0.8	0900 18th		

SOLAR RADIATION. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total .... Joules

Average Rate

.... Milliwatts.

Maximum Rate

.... Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 18th 17h. 30m. to 19th 6h. 45m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	13.15	0.0	–
δ Ursae Minoris	13.15	0.0	–

RADIO DISTURBANCES (Atmospherics) AT CROYDON.¹

Time.	Type.	No. per 4 sec.	Stren.	Direc.
18h.	C, C2	7	–	155°
15h.	C, C2	6	–	160
6h.	C	6	–	45
9h.	C, C2	9	–	155

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

19th & 20th JAN. 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.54 / 7.53	12.4 / 12.4	4.13 / 4.15
Greenwich	7.57 / 7.56	12.11 / 12.11	4.25 / 4.26
Wick	8.46 / 8.44	12.23 / 12.23	4.0 / 4.3
Valencia	8.40 / 8.39	12.52 / 12.52	5.4 / 5.5

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, or fine rain. f fog
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow. t thunder.
v unusual visibility. y dry air.
z dust haze: the turbid atmosphere of dry weather.
jp precipitation within sight.

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 33 feet above the ground.

SEA DISTURBANCE.

0=no swell, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 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

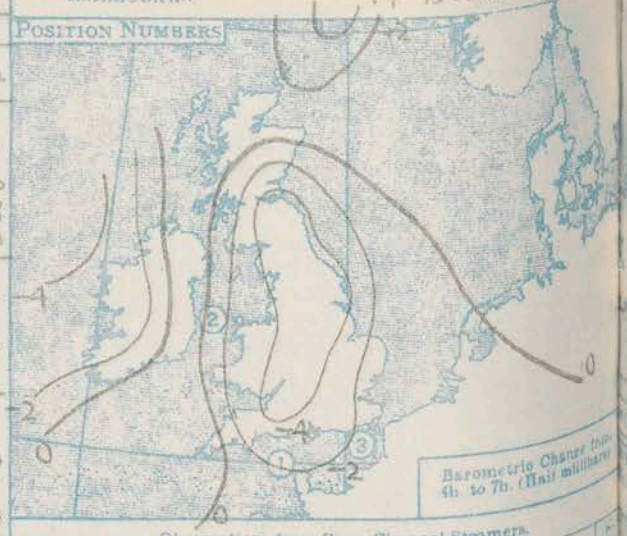
¹For explanation, see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-18h. 18th	18h.-18h. 18th	18h.-18h. 18th to 19th	18h.-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. Hours.
Lerwick	h or r	S or rS	r or d	p	41	36	•	4	7	0900	2100	•
Stornoway	r or d	p	p	c	42	36	•	9	2	0800	-	0.3
Wick	bmm	r or d	b or bc	b or bc	40	37	•	4	-	0900	-	•
Castlebay	d. o.	o h p bc	h p h bc	b c rsp	45	39	•	1	4	-	-	0.6
Nairn	c		c		39	32	•	0.1	-	1100	-	0.8
Aberdeen	c q rS	rS r r b	b m o i m		39	35	29	6	-	1100	-	0.0
Malin Head	b or bc	i r o	o o	c	44	35	•	0.4	-	0800	-	3.9
Renfrew	r s, i R q	o i m b m	o m r o		40	34	25	0.4	4	0800	-	1.4
Edinburgh (Inchkeith)	S or rS	o o	o	o o	40	35	33	trace	trace	—	-	•
Eskdalemuir	o S	c	o o		37	29	20	6	-	0900	-	0.1
Tynemouth	off S or rS	S or rS m	f f	f f i m p	37	33	•	3	1	1100	0530	•
Blacksod Point ...	p	p	p		45	40	•	1	1	1530	0430	•
Donaghadee	c m r	b c	c	o m r	45	36	•	3	1	0800	2400	•
Birr Castle	b c	o. o i r o	cold.	o	46	33	30	0.3	0.5	1730	2100	5.0
Baldonnell	b or bc	b. o	f r d	o o p f	46	30	27	0.6	trace	0800	0530	6.7
Holyhead	o b c. b	b or bc	b c o r f.	r o d	48	40	38	8	16	0800	2200	5.9
Liverpool (Bidston) ...	S or rS	b or bc	r o d		40	33	29	0.4	3	0800	0130	3.2
Chester (Shotwick) ...	o s p r f	c i m b m	b f f	o p r. f	40	34	31	2	0.4	0800	0130	•
Howden						36						
Spurn Head	o o	p	r o d	f o r m	40	37		3	1	1530	2100	0.0
Nottingham	o o	r o d	o o p m		39	36	32	1	1	1100	0130	0.0
Cranwell	i S.	r r	m f	o i r.	36	33	33	2	0.1	1100	-	0.0
Gorleston	c	o o	o q R	o i r	38	37	35	—	3	—	2100	3.3
Pulham	c	o o	r o d		37	36	•	0.2	6	1630	2100	0.4
Felixstowe	f o r m	p	m i r	r o d	40	38	36	0.1	3	0800	2100	1.0
Valencia (Cahirciveen)	b. b c. c h	c p h. o	o i r.	o p c	49	35	31	1	4	1230	2100	0.0
Roches Point	b or bc	c. o p. o	p		51	36	•	2	1	1530	2200	•
Pembroke (St. Ann's H.)	o q r bc	b. o	p	o i r	50	43	•	1	10	0800	2100	4.2
Ross-on-Wye	o r r. o	c. o. c b	b m w l f c	b c o q p	45	39	33	5	0.2	0900	0530	0.1
Benson...	r r	b c. o	o o	o r r	42	41	34	3	2	1430	0330	•
S. Farnborough ...	f o r m	m R R. r o	r o d		42	41	41	5	15	1430	2100	0.0
London (Kew Obsy.) ...	b m x o r m o. b o		o q r o	o q r o q	42	41	38	2	13	1530	2100	0.0
Croydon	b. o m m o m r o r		o m r o r	r o m R R	41	40	37	2	17	1530	2100	0.0
Clacton-on-Sea ...	b c r r	c p	c q p r	o q p r	40	38	37	trace	3	1730	2100	2.1
Shoeburyness	c	r o d	r o d		42	39	38	0.1	3	1730	2100	1.3
Grain	c	o o	r r. r r		41	39	37	—	3	—	2100	1.2
Lympne	b b c c m	o r r o q	o r q r R	o m r r q	41	40	37	trace	5	1730	2100	2.3
Scilly (St. Mary's) ...	r o d	b or bc	b or bc	p	52	42	•	6	0.5	0800	0130	3.8
Falmouth (Pendennis)	m r r y c b	b. b c d r	b c m	o m r	52	43		7	1	0800	0330	2.8
Plymouth (Cattewater)	r o d	b or bc	S or rS		52	46	44	5	3	0800	-	2.4
Portland Bill	p	r o d	r o d	r o d	49	44		8	9	1100	2100	•
Southampton (Calshot)	o o	r o d	r o d	r o d	45	44	43	4	28	1230	2100	0.0
Dungeness	b or bc	c	q i r	q u R	44	41	•	-	5	-	2100	•
Jersey	b. o	o i r o	o p o	o i r	46	45	•	1	9	1430	2200	0.3

ISALLOBARS

POSITION NUMBERS



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Visibility
3	18th 0340	?	NNW	2	bc	40	47	5
3	19th 0200	Arundel	S	7	R	42	48	7

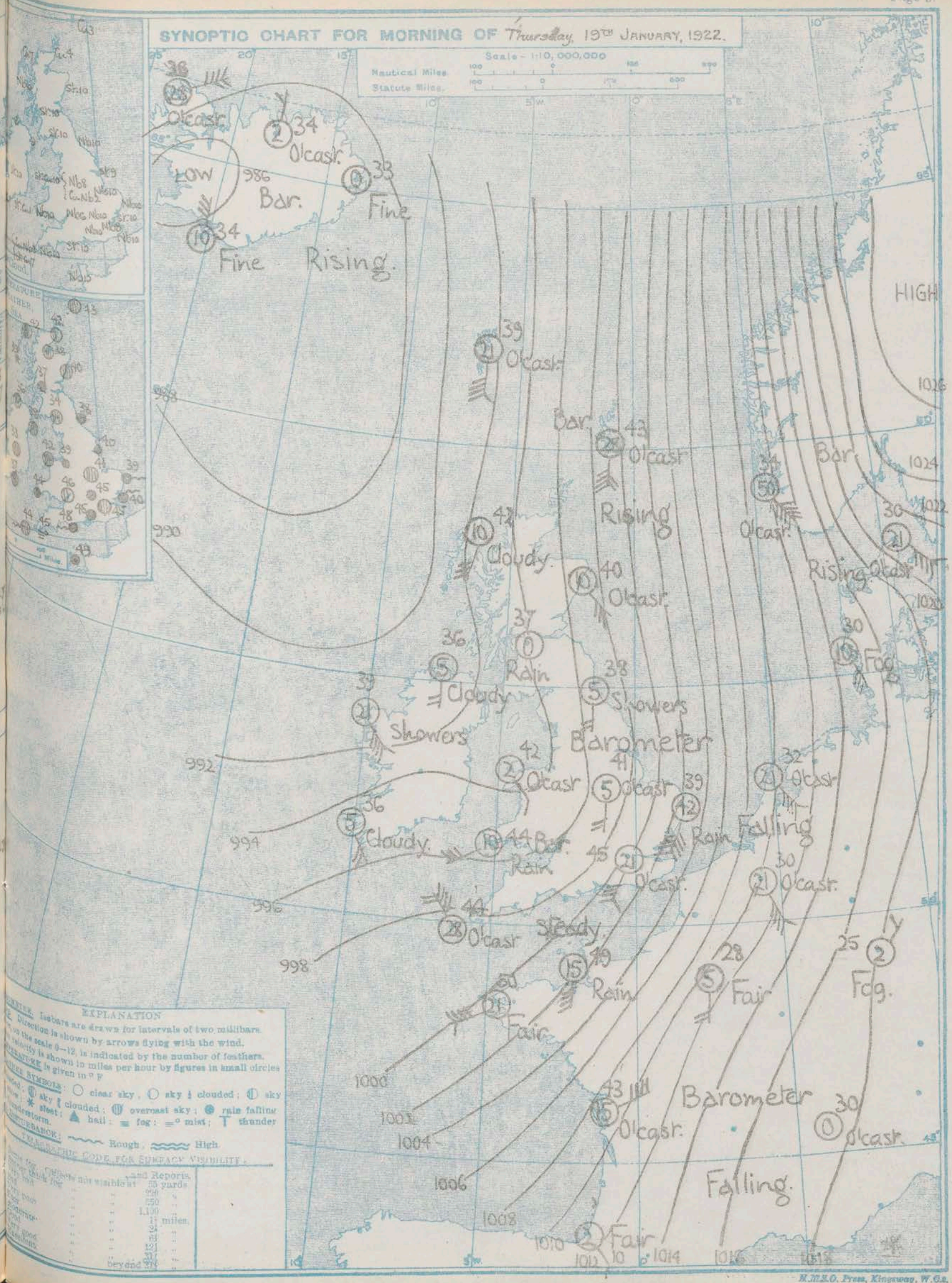
GENERAL INFERENCE.

The deep depression off the Hebrides is practically stationary. The wind will be from between South and West, strong at times, and the weather cold with rain or drizzle probably followed by sleet or snow showers.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Thursday 19th January 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Southerly wind, fresh to strong at first, moderating; much low cloud, rain or drizzle, probably sleet or snow showers later; visibility poor to moderate; rather cold.	
4. W. Midlands 5. S.W. England 6. South Wales	Wind S.W. to W., moderate to fresh, becomimg stronger; much low cloud, some bright intervals later, rain or drizzle, probably hail or sleet showers later; visibility moderate; cold.	Weather probably fairer but cold.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland	Fresh Southerly winds; much low cloud, some sleet or snow; visibility moderate to good; cold.	South Cone Hoisted at 11.15 h. yesterday in District 1.
13. Isle of Man 14. N.&N.W. Scotland 15. Hebrides	Southwesterly winds, mainly moderate, but stronger at times; much low cloud, sleet or snow showers; visibility moderate to good; cold.	
16. Orkneys and Shetlands	Strong Southerly wind; cloudy, hail or sleet showers; visibility poor to moderate; rather cold.	
17. N.W. Ireland 18. N.E. Ireland	Same as 13 to 15.	
19. S.E. Ireland 20. S.W. Ireland	Wind W. to N.W., fresh to strong; mainly cloudy but bright intervals; hail or sleet showers; visibility good; rather cold.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 1010. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page


SYNOPTIC CHART FOR MORNING OF Thursday, 19TH JANUARY, 1922.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
LOW
986
Bar.
Rising.
Fine
O'cast.
HIGH
Bar.
Rising
Cloudy.
Rain
Showers
Barometer
Falling
Steady.
Fog.
Fair
Falling.
EXPLANATION
Isobars are drawn for intervals of two millibars.
Direction is shown by arrows flying with the wind.
Velocity is shown in miles per hour by figures in small circles
Temperature is given in ° F
Rough
High
Reports
55 yards
miles.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION THURSDAY, 19th JANUARY 1922. No. 19.

Observations at 0100 G.M.T. 19th

Stations	Barom. at M.S.L. mb.	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	Cloud Low Amt. 0-10	Cloud Upper Form	Cloud Total Amt. 0-10	Sea 0-9
Lerwick	997.1	0	S	6	c/r	39	85	6	4000	CuNb	8	–	8	•
Stornoway	9909	+2	SSW	2	PR	•	•	6	•	•	•	•	•	•
Wick	995.3	+3	S	5	bc	39	92	7	5750	Cu	4	–	4	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	9938	0	S	2	o+	38	97	7	–	–	0	A.Sr	10	•
Renfrew														
Edinburgh (Inchkeith)	9974	+3	S	3	o	38	92	8	–	–	0	A.Sr	10	•
Eskdalemuir														
Tynemouth	1000.5	–1	S	1	fo–	35	97	2	2500	Sr	10	–	10	•
Blacksod Point														
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Baldonnell	9955	–2	SSW	2	or	35	92	7	2500	Sr	9	–	9	•
Holyhead	9960	–2	SSE	4	orr	•	×	7	1500	Sr	10	–	10	•
Liverpool (Bidston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1001.3	–1	S	4	o	37	97	5	450	Sr	10	–	10	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1001.8	–2	ESE	3	ffo	34	97	1	450	Sr	10	–	10	•
Gorleston	1006.1	–1	SSW	6	odd	38	97	6	4000	Nb	10	–	10	•
Fulham														
Felixstowe														
Valencia (Cahirciveen)	~~[illegible]~~ 9964	0	SW	4	o/s(h)	39	92	6	•	•	•	•	•	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	997.2	–1	SW	4	bcjp	48	85	8	2500	Nb	6	–	6	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	•	•	•	•	•	46	•	•	•	•	•	•	•	•
Croydon	1004.2	–2	S	4	orr	43	97	5	1500	Nb	10	–	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1005.8	–3	SW	6	o/r	40	97	6	1500	Sr	10	–	10	•
Scilly (St. Mary's)	997.4	–3	SW'S	3	bc	49	97	8	4000	CuNb	4	–	4	•
Falmouth (Pendennis)	998.6	–2	SW	5	o+	48	92	6	4000	CuNb	8	–	8	•
Plymouth (Cattewater)														
Portland Bill	1001.2	–4	SSW	7	opr₀	46	85	6	450	Sr	10	–	10	•
Southampton (Calshot)	1001.8	–3	SSW	5	o/r	47	97	7	4000	Sr	9	–	9	•
Dungeness	1005.1	–2	SSW	7	or	41	97	7	4000	Nb	10	–	10	•
Jersey 7h / Guernsey 1h	1002.1	–4	SSW	5	orr	48	97	6	5750	Nb	10	–	10	•

Observations at 0700 G.M.T. 19th

Stations	Barom. at M.S.L. mb.	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	Cloud Low Amt. 0-10	Cloud Upper Form	Cloud Total Amt. 0-10
Lerwick	9995	+4	S	6	c	43	85	6	4000	Cu	3	A.Sr	8
Stornoway	9921	0	SSW	3	c	42	85	7	4000	Cu	7	–	7
Wick	9957	+1	S	5	bc	42	92	8	4000	Cu	4	–	4
Castlebay	991.1	0	E	3	oPS	39	92	6	1500	Nb	10	–	10
Nairn	9952	•	–	0	o–	38	75	8	1500	Sr	9	–	9
Aberdeen	9970	–1	SE'S	3	o+	40	92	6	1500	Sr	10	–	10
Malin Head	9917	–1	S	2	c–	36	97	7	–	–	0	A.Sr	8
Renfrew	9936	–4	–	0	of₀	37	92	~~7~~ 4	1500	Sr	10	–	10
Edinburgh (Inchkeith)	9945	–3	ESE	1	o	35	92	7	–	Sr	4	A.Sr	10
Eskdalemuir	9942	–4	–	0	o	34	97	6	450	Sr	10	–	10
Tynemouth	9966	–4	S	2	opr₀	38	97	6	4000	Nb	10	–	10
Blacksod Point	9916	–4	SSE	5	bpr₀	39	92	5	–	–	0	CiCu	2
Donaghadee	9928	+1	W	1	o–	38	85	6	–	–	0	A.Sr	9
Birr Castle	9942	•	W	2	o+	33	97	5	450	Sr	10	–	10
Baldonnell	9944	–2	WSW	4	o	35	97	7	1500	Sr	10	–	10
Holyhead	9933	–2	SE	1	o/r	42	97	7	2500	SrCu	10	–	10
Liverpool (Bidston)	994.1	–2	SE'S	3	od₀+	39	92	5	1500	Nb	10	–	10
Chester (Shotwick)	9936	–4	ESE	2	or₀+	37	97	3	800	Nb	10	–	10
Spurn Head	9976	–4	S	5	oD	40	97	6	1500	Sr	9	–	9
Nottingham	9968	•	S	2	o+	41	97	7	1500	Nb	10	–	10
Cranwell	9983	–5	SE	4	FFo	36	97	1	450	Sr	10	–	10
Gorleston	10038	–1	SSW	8	or+	39	97	5	4000	Nb	10	–	10
Fulham	10024	–2	S'E	5	orr	38	97	7	1500	Nb	10	–	10
Felixstowe	10047	–1	S	7	oR–	39	97	6	450	Nb	10	–	10
Valencia (Cahirciveen)	9945	–2	SSE	2	c/r	36	85	8	4000	SrCu	7	C.Sr	7
Roches Point	995.6	+1	W	1	o	37	92	8	2500	SrCu	1	–	9
Pembroke (St. Ann's H.)	9950	0	WSW	3	or	44	85	9	2500	Nb	10	–	10
Ross-on-Wye	9954	–4	S	4	bc/r	46	85	7	2500	Nb	6	–	6
Benson	9979	–2	SSW	4	orr	45	85	6	–	Nb	10	–	10
S. Farnborough	999.8	–3	S	2	orr	45	97	5	1500	Nb	10	A.Sr	10
London (Kew Obsy.)	10002	–3	SSW	5	o/r	45	97	6	1500	Nb	9	–	10
Croydon	10015	–3	S	5	oRR	44	97	5	450	Nb	10	–	10
Clacton-on-Sea	10024	–3	SSE	5	or₀	40	97	6	1500	Sr	10	A.Sr	10
Shoeburyness	10024	–4	S	5	od	41	92	6	1500	Nb	4	–	10
Grain	10026	–4	SSE	6	orr	42	92	5	1500	Sr	10	–	10
Lympne	10039	–2	SW'S	7	orr	40	97	6	450	Nb	10	–	10
Scilly (St. Mary's)	998.1	+1	NW	6	o	44	97	8	4000	SrCu	10	–	10
Falmouth (Pendennis)	997.1	0	W	4	mmo	45	92	5	2500	Nb	10	–	10
Plymouth (Cattewater)	9970	–1	WSW	3	orr	46	97	6	800	Nb	10	–	10
Portland Bill	9977	–4	SSW	6	oR	48	85	7	450	Sr	10	–	10
Southampton (Calshot)	9991	–2	S	5	orr	46	97	5	800	Nb	10	–	10
Dungeness	10024	–2	SSW	7	ORR	42	97	7	4000	Nb	10	–	10
Jersey 7h / Guernsey 1h	10008	0	S	4	or	49	92	8	1500	Nb	10	–	10

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 18th JANUARY

Stations	Weather Fore-noon	Weather After-noon	Temperature Max. Day °F.	Temperature Min. Night °F.	Rainfall Night 18h.–9h. 17th–18th mm.	Rainfall Day 9h.–18h. 18th mm.	Sunshine Sunrise to Sunset 18th hr.	Sunshine Sunrise to Sunset hr.
Banff	q/s p q	rs osp	37	23	–	3	0·0	
Montrose	os	or	39	20	–	16	0·0	
Llandudno	rc bc	b	48	33	6	1	4·1	
Colwyn Bay	r	bc	49	36	6	4	3·7	
Rhyl	pc	bc	49	32	1	1	3·9	
Southport	o.s.obc	bc.b	39	27	2	0·3	2·1	
Blackpool								
Harrogate	os	sc	36	32	–	5	0·0	
Skegness	o	ro	37	29	0·4	3	0·0	
Aberystwyth	r.or	bc.o	47	32	1	–	3·5	
Bath	or.ro	bcm	45	26	–	3	0·0	
Leamington Spa	o	o	41	25	–	4	0·0	
Lowestoft	bc o	o	40	23	–	–	3·6	
Felixstowe	f	f	40	25	–	–	1·3	
Southend	bc	c.o	40	28	0·1	–	1·0	

Stations	Weather Fore-noon	Weather After-noon	Temperature Max. Day °F.	Temperature Min. Night °F.	Rainfall Night 18h.–9h. 17th–18th	Rainfall Day 9h.–18h. 18th	Sunshine Sunrise to Sunset 18th	Sunshine Sunrise to Sunset
Paignton	o/p.or	or.c.bc	51	37	–	7	[illegible]	
Ilfracombe	or	pcbc.c.	50	35	3	3	3·8	
Bude	r	bc	52	31	2–	4	4·1	
Penzance	or.bc.b	bc	54	35	7	2	3·8	
Falmouth Observatory	r.bc.c	bc.c	53	34	5	5	3·5	
Torquay	r	b	51	31	–	9	1·7	
Weymouth	[illegible]	o.or	48	28	–	6	0·6	
Bournemouth	o.or	rr	46	28	–	3	0·0	
Portsmouth (S'thsea)	d.o.h	h.or	45	28	–	3	0·0	
Worthing	o	or	45	25	–	2	0·0	
Brighton	bc	bc.or	44	27	–	1	1·0	
Eastbourne	bc.c.o	op.o	45	27	–	0·1	1·9	
Hastings	x bc.c	c.o	44	29	–	–	2·4	
Folkestone	b.bc	bc.c.o	44	28	–	–	2·8	
Tunbridge Wells	bc.c.o	or	42	22	–	–	0·5	
Ramsgate	bc	bc	41	26	–	–	3·6	
Margate	bc	o	43	29	0·2	–	3·5	
Deal	b.bc	bc.o	43	27	–	–	3·4	

* 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.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B21.974 FRIDAY 20th JANUARY 1922. Page 1.

Observations at 1300 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	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	999.6	+3	SE	7	od-	41	92	6	5750	Nb	10	-	10	*
Stornoway	988.2	-2	SE	3	o+	41	92	7	450	St	10	-	10	*
Wick	991.8	-6	SSE	7	oR-	43	92	6	4000	Nb	10	-	10	*
Castlebay	989.1	-2	-	0	cp(s)o	39	85	7	1500	Nb	8	-	8	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	992.1	-4	S'E	4	oro	42	92	5	1500	Nb	10	-	10	*
Malin Head	979.8	-3	S	2	b	37	92	8	5750	Cu	1	-	1	*
Renfrew	992.0	-1	NE	1	oro	34	97	3	800	St	10	-	10	*
Edinburgh (Inchkeith)	991.5	-4	SSW	2	mo	39	92	6	-	Nb	10	-	10	*
Eskdalemuir	992.7	-2	SSW	2	odd	35	97	5	<150	Nb	10	-	10	*
Tynemouth	993.9	-2	SW	2	o/r	38	97	3	4000	Nb	10	-	10	*
Blacksod Point		-6	SW	7	oph	41	97	7	?	StCu	9	-	9	*
Donaghadee	993.7	+1	WSW	3	bc-	37	85	7	-	-	0	Ci	4	*
Birr Castle	995.1		SW	2	c-	39	85	7	4000	StCu	6	ACu	8	*
Baldonnell	995.1	-2	SSW	5	b	41	65	8	-	-	0	A.St	2	*
Holyhead	995.6	+4	SW	4	c-	44	85	8	1500	Cu	2	Ci	8	*
Liverpool (Bidston)	995.2	+2	SW	3	c-	40	85	8	1500	Nb	8	-	8	*
Chester (Shotwick)	994.9	+4	SE	3	o/r	41	85	7	2500	St	9	-	9	*
Spurn Head	996.0	-1	S	4	o	43	92	5	4000	StCu	9	-	9	*
Nottingham	995.9	*	SW	3	o+	46	85	6	800	CuNb	9	-	9	*
Cranwell	997.0	-1	S'E	4	o/r	40	97	6	2500	StCu	10	-	10	*
Gorleston	1002.6	-1	SSW	8	o/r	41	97	6	4000	Nb	10	-	10	*
Pulham	1000.9	-2	S	5	oro	43	92	5	800	Nb	10	-	10	*
Felixstowe	1003.7	0	S	6	o/r	41	97	6	450	St	10	-	10	*
Valencia (Cahirciveen)	994.8	-1	SW'W	5	oprs	36	92	7	1500	St	9	-	9	*
Roches Point	996.2	+1	WSW	3	cpR-	38	92	8	2500	CuNb	8	-	8	*
Pembroke (St. Ann's H.)	998.0	+3	WSW	3	cjp	45	75	9	2500	Nb	7	-	7	*
Ross-on-Wye	997.9	+2	SW	3	b-	47	65	9	4000	CuNb	1	-	1	*
Benson	999.0	+2	SW	3	o/s(h)	47	75	8	-	Cu	10	-	10	*
S. Farnborough	1000.1	+1	SW'S	3	mmo	46	92	6	2500	Cu	9	A.St	10	*
London (Kew Obsy.)	999.9	+1	SW	3	o/r	45	92	6	4000	StCu	7	A.St	10	*
Croydon	1001.1	0	S	5	oro	45	92	6	800	Nb	9	A.St	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1002.0	-1	SW	5	odd	43	92	4	1500	Cu	10	-	10	*
Grain	1002.1	-1	S	5	or	44	92	6	800	Nb	10	-	10	*
Lympne	1003.1	-1	S	7	o/r	42	97	7	225	Nb	9	A.St	10	*
Scilly (St. Mary's)	999.5	+2	WSW	4	cPH	46	97	8	4000	CuNb	8	-	8	*
Falmouth (Pendennis)	1000.0	+2	NNW	4	c+	44	75	6	4000	Cu	9	-	9	*
Plymouth (Cattewater)	999.7	+1	WSW	3	bc	47	85	8	2500	StCu	5	-	5	*
Portland Bill	1000.3	+2	WSW	4	bc/r	48	85	7	-	-	0	A.Cu	6	*
Southampton (Calshot)	1000.2	+2	SSW	3	o/r	47	85	8	2500	CuNb	2	A.St	9	*
Dungeness	1002.1	0	SW	7	oR	43	97	7	4000	Nb	10	-	10	*
Jersey	1001.8	0	SW	4	o/r	49	85	8	1500	Nb	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	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	995.6	-4	SE	7	orr	40	92	6	4000	Nb	10	-	10	6
Stornoway	988.7	0	SE	3	bc-	38	92	7	4000	Cu	5	-	5	2
Wick	989.6	0	SW	3	c/r	39	92	8	1500	St	3	CiSt	7	5
Castlebay	989.0	0	SSE	5	bc/s(h)	42	85	7	1500	St	6	-	6	5
Nairn	990.1	*	-	0	c/r	35	75	8	1500	Cu	9	-	9	*
Aberdeen	992.1	+3	SSW	3	o+	37	92	5	-	-	*	a.St	9	4
Malin Head	989.5	0	S	3	b-	36	97	7	4000	CuNb	3	-	3	2
Renfrew	994.9	+6	S	2	o+	36	92	5	1500	StCu	9	-	9	*
Edinburgh (Inchkeith)	994.5	+4	WSW	2	b/f	37	85	7	-	St	1	-	1	2
Eskdalemuir	997.0	+6	S'W	3	bc	32	85	7	1500	St	6	-	6	*
Tynemouth	998.1	+6	SW	1	mb-	38	85	5	-	-	0	-	0	2
Blacksod Point	?	+5	W	5	oPR-	40	97	5	-	StCu	9	-	9	4
Donaghadee	995.0	+2	WSW	2	b	37	85	7	4000	Cu	1	a.Cu	3	0
Birr Castle	994.8	*	SW	2	c+	35	97	6	4000	StCu	8	-	8	*
Baldonnell	995.9	+2	SW'S	4	b-	36	85	8	-	-	0	A.St	3	*
Holyhead	998.0	+2	SSW	4	orr	41	97	6	1500	Nb	10	-	10	1
Liverpool (Bidston)	998.7	+3	S'E	2	o+	39	85	6	2500	Cu	9	-	9	3
Chester (Shotwick)	998.2	+3	ESE	2	bc	38	85	5	5750	StCu	4	-	4	*
Spurn Head	1000.2	+4	SW	3	bc	37	97	6	1500	St	4	-	4	3
Nottingham	1000.7	*	SW	1	b	36	92	6	-	-	0	-	0	*
Cranwell	1001.1	+4	SW'S	3	b-	37	92	6	4000	StCu	1	Ci	2	*
Gorleston	1003.5	+1	SSW	6	o-	41	92	6	5750	StCu	9	-	9	6
Pulham	1002.4	+1	S	4	odo	41	97	5	800	Nb	10	-	10	*
Felixstowe	1005.0	+2	S	6	o/r	41	97	7	1500	St	10	-	10	6
Valencia (Cahirciveen)	995.6	+2	SW'S	4	cpro	38	75	8	1500	StCu	7	-	7	6
Roches Point	997.0	+1	W	3	cpro	38	92	8	2500	CuNb	8	-	8	1
Pembroke (St. Ann's H.)	999.1	+1	SSW	3	ojp	41	85	9	2500	Nb	10	-	10	4
Ross-on-Wye	1000.6	+3	NW	1	bc+	38	85	6	1500	St	4	-	4	*
Benson	1001.4	+2	-	0	bc-	39	85	6	-	StCu	6	-	6	*
S. Farnborough	1001.5	+1	S'W	2	mmo	43	97	5	1500	St	10	-	10	*
London (Kew Obsy.)	1001.5	+1	SW'S	1	mo	45	97	5	4000	St	10	-	10	*
Croydon	1001.8	0	S	3	o/r	45	92	6	1500	Nb	8	a.St	9	*
Clacton-on-Sea	1002.9	+1	SSE	5	o/r	41	97	5	2500	St	10	-	10	4
Shoeburyness	1003.0	+2	S	4	oro+	42	85	6	2500	Nb	10	-	10	*
Grain	1003.1	+1	S	3	orr	43	97	6	800	Nb	10	-	10	0
Lympne	1004.0	+1	S'E	6	orr	40	97	6	450	Nb	10	-	10	*
Scilly (St. Mary's)	1000.4	0	SW	4	bcph	41	97	8	4000	CuNb	5	-	5	5
Falmouth (Pendennis)	1000.6	+2	W	3	bc-	43	75	7	4000	Cu	6	-	6	0
Plymouth (Cattewater)	1000.7	+1	NW	3	cjp	44	85	8	1500	CuNb	8	-	8	1
Portland Bill	1000.3	0	WSW	4	o+	48	85	7	-	-	0	a.St	10	5
Southampton (Calshot)	1001.4	+2	SW	1	o+	44	85	8	4000	Nb	4	a.St	10	0
Dungeness	1003.2	+2	SSW	5	orr	43	97	7	4000	Nb	10	-	10	7
Jersey	1001.8	0	SW	4	o/r	44	92	8	1500	Nb	10	-	10	3

LONDON OBSERVATIONS. (Weather, Temperature, Rainfall: 24 hours ended 0900 G.M.T. 20th; Sunshine and Humidity 15h.: Yesterday; Humidity 9h.: To-day)

London Observations	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. °F.	Temp. 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. %
Kew (24 hours ended 0700)	ormod	boam	m/orof	*	*	30	3	2	0.0	*	*
Croydon (24 hours ended 0700)	rRd,c,f	ocb/m	orrobm	*	*	35	7	6	0.0	*	*
Greenwich (Royal Obsy.)	o	or	orm	47	37	33	2	9	0.0	93	95
City (Bunhill Row)	*	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James' Pk.)	*	*	*	48	37	33	6	2	0.0	90	96
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*	0.0	*	*
Camden Sq. (Brit. Rainfall)	od	og	*	47	37	35	2	4	*	91	100
Kensington Palace	oro	o	*	49	37	33	2	3	*	91 (18h)	96
Hampstead Observatory	*	*	*	45	35	34	2	4	0.0	*	100

ATMOSPHERIC POLLUTION. Milligrams of Solid impurity per cubic metre. 24 Hrs. ended 1800 G.M.T. 19th

South Kensington	Max.	Time.	Min.	Time.
	1.3	1800 18th	0.3	0300 to 0500 19th
	2.0	1500 19th		

Kew Observatory	Max.	Time.	Min.	Time.
	0.6	1800 18th	0.3	2400 to 0300 19th
	0.6	1600 19th		

SOLAR RADIATION. Vertical component per square centimetre. During yesterday.

South Kensington.
Total .... joules
Average Rate .... Milliwatts.
Maximum Rate .... Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 19th 17 h. 30 m. to 20th 06 h. 45 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	13.15	0.0	-
δ Ursae Minoris	13.15	0.0	-

RADIO DISTURBANCES (Atmospherics) AT CROYDON.†

Time.	Type.	No. per 1 sec.	Stren.	Direc.
12h.	C	6	-	160
18h.	C	5	-	160
6h.	C	5	-	180
9h.	C	5	-	145

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 20th & 21st JANY 1922

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.53 / 7.52	12.4 / 12.4	4.15 / 4.16
Greenwich	7.56 / 7.55	12.11 / 12.11	4.26 / 4.27
Wick	8.44 / 8.42	12.23 / 12.23	4.3 / 4.5
Valencia	8.39 / 8.38	12.52 / 12.52	5.5 / 5.6

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow. t thunder.
v unusual visibility. y dry air.
z dust haze: the turbid atmosphere of dry weather.
jp precipitation within sight.

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, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 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

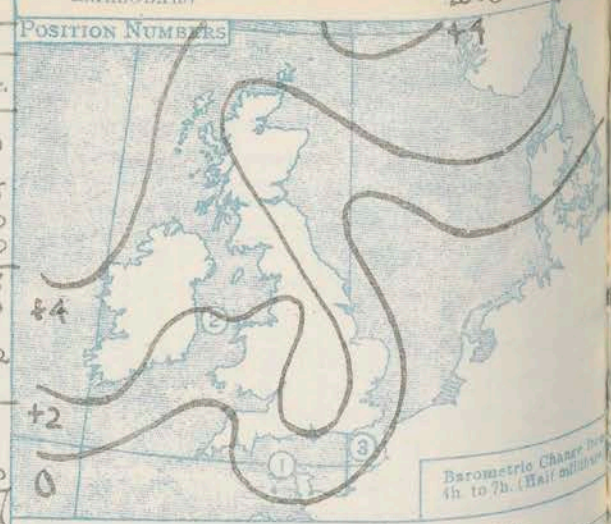
† For explanation, see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS

STATIONS.	WEATHER. 7h.–13h. 19th	13h.–18h. 19th	18h. 19th to 18h. 20th	18h.–7h. 20th	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	r or d	r or d	r or d	b or bc	44	38	•	3	5	1100	<2100	•
Stornoway	c	f or m	r or d	p	42	33	•	•–	3	–	–	0.0
Wick	corr	b m ir	b or bc	b or bc	43	36	•	1	–	1230	–	•
Castlebay	r s c r s	r s p c	p h bc	b c p b c	42	37	•	5	3	–	–	0.5
Nairn	o o		b or bc		38	32	•	2	–	1100	–	0.0
Aberdeen	m i r o	r or d	b m o m		42	35	28	1	–	0900	–	0.0
Malin Head	b or bc	b or bc	b or bc	b or bc	38	34	•	–	–	–	–	4.8
Renfrew	o r s r s r	c o m r s	b m o m		39	30	26	8	trace	<0800	–	0.0
Edinburgh (Inchkeith)	f o m	f o r m	c	o o	39	36	31	0.2	–	–	–	•
Eskdalemuir	r or d	c l m o c	c p o		35	29	21	5	–	0900	–	0.2
Tynemouth	f f p	o f e b m	m	f f	39	33	•	3	–	<0800	–	•
Blacksod Point ...	h o r h	p	p		41	35	•	3	1	–	0430	•
Donaghadee	b c	b c	b c m	b	40	29	•	–	–	–	–	•
Birr Castle	c	c. o p e r	c o	b	40	27	20	trace	–	1730	–	4.3
Baldonnell	o b		b or bc	b x o o x	41	27	19	–	–	•	–	5.7
Holyhead	o d p o c	c p. o p h r	o r s o	r or d	44	36	33	1	5	•	<2100	3.3
Liverpool (Bidston) ...	p	b or bc	b or bc		43	33	27	–	trace	–	<2100	1.5
Chester (Shotwick) ...	o p r o	~~o c d e~~ o c b e	b c m	b c b m	46	29	24	1	–	<0800	–	•
Spurn Head	p	c	p	r or d	43	36	•	1	9	<0800	2200	0.6
Nottingham	r or d	b or bc	F		46	31	28	1	–	0900	–	1.0
Cranwell	d i r	c l m	m f	d f f	43	31	28	3	0.2	<0800	2400	0.0
Gorleston	o R R	o q / c q /	R R s	o r s o	43	33	32	9	9	<0800	<2100	0.0
Pulham	r or d	r or d	s o r s		43	33	32	3	15	0900	<2100	0.0
Felixstowe	r or d	r or d	r or d		42	34	33	2	17	<0800	<2100	0.0
Valencia (Cahirciveen)	c o r s p	o. o p s h	c o p s	o p s c b	41	31	24	5	?	0900	<2100	0.3
Roches Point	p	c i p	o p	o p b x	43	31		2	1	1100	2200	
Pembroke (St. Ann's H.)	c	o b i r o	p	c v i r h	45	37	•	0.5	2	<0800	<2100	1.6
Ross-on-Wye	p o r c b	b r b c b m	c m o f	f f x F	47	26	23	1	trace	<0800	–	3.0
Benson	c	r R H	c o	o b	48	30	22	6	–	<0800	–	•
S. Farnborough ...	m i r	f o r m	F		47	32	25	8	0.4	<0800	2200	0.4
London (Kew Obsy.) ...	o m q c t	b. o m	o f o r o f	o m o f	47	39	30	3	2	0900	<2100	0.0
Croydon	o R R s	m o c r o m	o r r s r o	o b r o m	46	37	35	7	6	<0800	<2100	0.0
Clacton-on-Sea ...	o g p r		o g	o g r	42	34	34	2	15	<0800	<2100	0.0
Shoeburyness	r or d	T or d	r or d		44	33	30	3	15	0900	<2100	0.0
Grain	r or d	r or d	r or d		45	35	31	3	11	<0800	<2100	0.0
Lympne	o r r s p m o q m r f		o m q r	o o	43	35	30	10	11	<0800	<2100	0.0
Scilly (St. Mary's) ...	p	p	c	h o r h	47	40	•	1	4	0900	0330	1.0
Falmouth (Pendennis)	b c p c p	c p. b c	b c p	b c c o r	47	37		0.5	1	0900	0330	4.4
Plymouth (Cattewater)	b or bc	c	h o r h		47	33	30	3	2	<0800	<2100	4.9
Portland Bill	c	o o	p	b or bc	50	44	•	2	0.3	<0800	0130	•
Southampton (Calshot)	r or d	c	r or d	f o r m	49	35	30	5	0.4	<0800	<2100	1.0
Dungeness	q L R R	i r r c d	r o r o	l r r	44	37	•	7	13	<0800	<2100	•
Jersey	s r o	c. o i r o	o i r o	c b	51	42	•	5	3	0900	2300	0.8

ISALLOBARS

20th January



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea
2	19th 1000	Scotia	W	3	cv	40	47
3	20th 0300	Brighton	NW'N	2	rs	42	49

GENERAL INFERENCE.

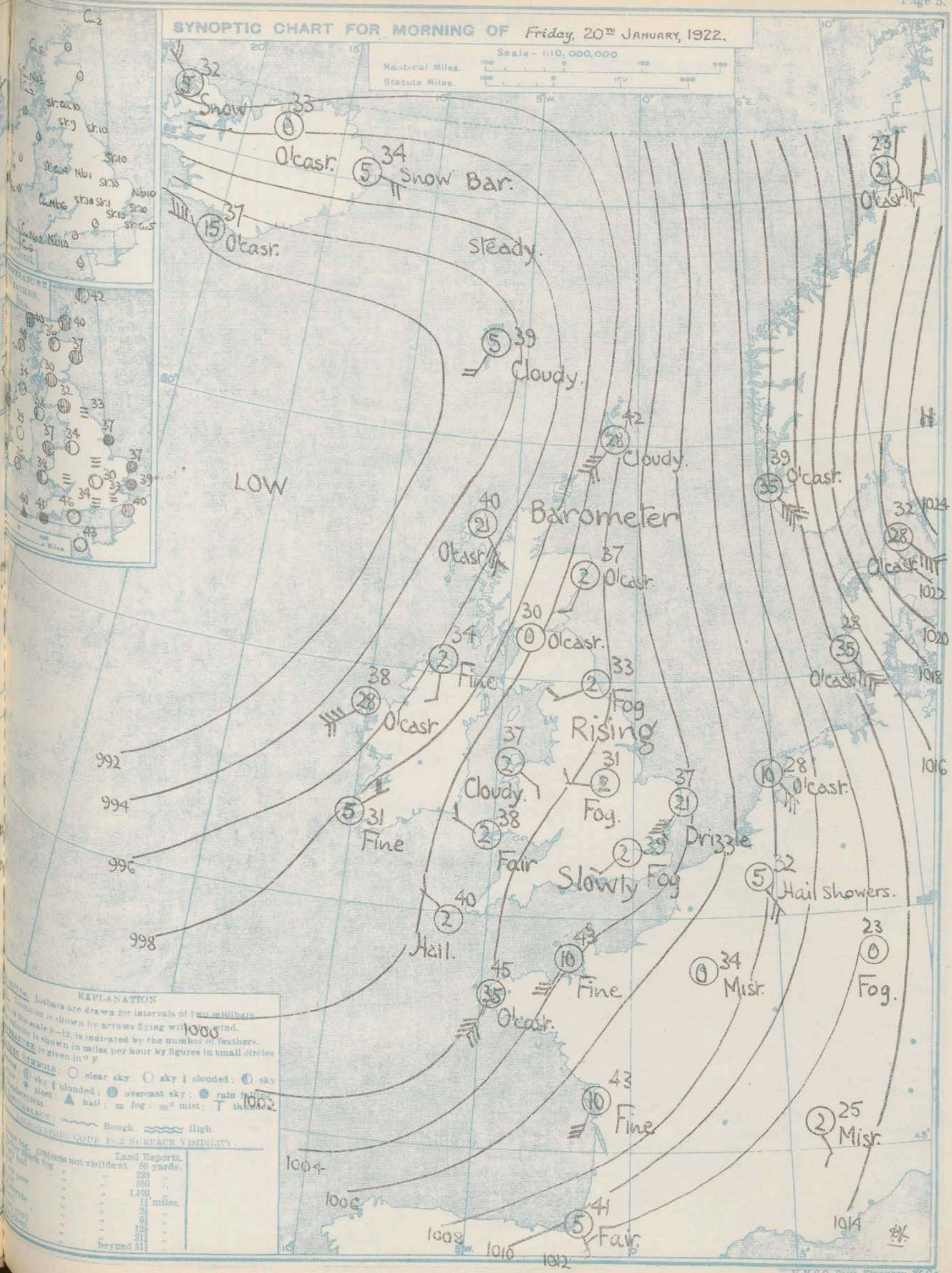
A new depression North of the Azores will cause Southerly winds over the British Isles for the next day or two with unsettled weather and a rising temperature.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Friday 20th January 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Light Southerly breezes; Mainly fair but occasional showers; visibility poor, mist or fog at night; rather cold, but probably milder on Saturday.	
5. S.W. England 6. South Wales	Light to moderate Southerly winds; fair to cloudy, some showers; visibility moderate; rather cold, then milder.	Unsettled with S. to S.W. winds and a rather higher 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	Light breezes, mainly from South; fair to cloudy, local rain or sleet showers; visibility poor, mist or fog at night; cold at first, milder on Saturday.	
14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland	Southerly to Southeasterly winds, strong at times; varying amount of cloud, some sleet or hail showers; visibility moderate to good; rather cold but milder by Saturday.	
18. N.E. Ireland 19. S.E. Ireland	Same as 7 to 13.	
20. S.W. Ireland	Same as 5 to 6.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 1035.

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

† For Code see opposite page



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

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

Page 4. BRITISH SECTION FRIDAY. 20th JANUARY 1922. No. 20.

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	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	996.0	0	SW	6	o/r	42	92	6	4000	CuNb	2	–	2	•
Stornoway	993.2	+4	SSE	5	rob	•	•	4	•	•	•	•	•	•
Wick	995.8	+5	SSW	5	b-	39	85	8	800	Sr.	2	–	2	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	994.0	+3	SSW	3	b	35	92	3	4000	Cu	1	–	1	•
Renfrew														•
Edinburgh (Inchkeith)	998.9	+4	SSE	2	o+	37	85	8	–	StCu	9	–	9	•
Eskdalemuir														•
Tynemouth	1001.1	+1	SW	1	mb+	35	92	4	–	–	0	–	0	•
Blacksod Point														•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Baldonnell	999.9	+3	–	0	b	31	85	8	–	–	0	A.St	2	•
Holyhead	999.3	+2	S'W	1	o/r	•	•	7	1500	St.	10	–	10	•
Liverpool (Bidston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1001.6	0	SSE	3	orr	37	97	6	450	St.	10	–	10	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1001.6	-1	N	1	odd	35	97	1	450	St.	10	–	10	•
Gorleston	1004.0	0	SSW	4	oRS	38	97	5	4000	Nb	10	–	10	•
Pulham														•
Felixstowe														•
Valencia (Cahirciveen)	996.3	+3	SW	2	bcph	36	85	7	–	Nb	4	–	4	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	1000.1	+1	WSW	3	o-	42	75	9	2500	Nb	10	–	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	•	•	•	•	•	41	•	•	•	•	•	•	•	•
Croydon	1001.8	-1	S	2	off	39	97	6	1500	Nb	10	–	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1002.7	-1	S'W	5	o/r	36	97	6	800	St.	10	–	10	•
Scilly (St. Mary's)	1000.6	0	W	2	b	41	97	8	4000	CuNb	2	–	2	•
Falmouth (Pendennis)	1001.6	0	W	2	bc	40	85	7	4000	Cu	4	–	4	•
Plymouth (Cattewater)														
Portland Bill	1000.3	+4	W	4	b/r	46	85	7	800	Cu	3	–	3	•
Southampton (Calshot)	1001.5	0	SW	1	mo+	40	97	4	1500	St	9	–	9	•
Dungeness	1002.3	-1	S	4	off	38	97	7	4000	Nb	10	–	10	•
Jersey 7h / Guernsey 1h	1002.7	+2	WSW	3	b	44	85	8	5750	CuNb	3	–	3	•

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	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1002.5	+6	SW	6	c-	42	75	6	4000	Cu	2	A.S-	7	3
Stornoway	995.9	+2	SSE	5	bc	40	75	7	4000	Cu	5	–	5	•
Wick	999.1	+1	S	5	bc+	40	92	8	–	–	0	Ci.St	6	6
Castlebay	995.2	+2	SSE	5	bc/r	40	92	8	1500	CuNb	5	–	5	•
Nairn	999.1	•	–	0	bc-	36	75	8	1500	St	5	–	5	1
Aberdeen	1000.8	0	SSW	1	o+	37	92	4	–	–	0	A.St	10	1
Malin Head	996.0	+3	S	1	b	34	97	8	–	–	0	–	6	•
Renfrew	1000.9	+3	–	0	o+	30	97	4	5750	StCu	10	–	10	1
Edinburgh (Inchkeith)	1000.4	+1	SSE	1	o	36	85	6	–	StCu	5	A.St	9	•
Eskdalemuir	1001.5	+2	–	0	o	32	92	6	1500	St	9	–	9	1
Tynemouth	1001.1	0	WSW	1	fo+	33	92	2	2500	St	10	–	10	•
Blacksod Point	994.3	+5	SW	6	o+	38	85	?5	–	–	0	A.St	10	5
Donaghadee	1000.2	+3	–	0	b	32	85	7	–	–	0	A.Cu	2	0
Birr Castle	999.0	•	NW	1	b-	29	97	6	–	–	0	–	0	•
Baldonnell	1000.4	+2	S'E	2	o	31	75	8	2500	St	10	–	10	•
Holyhead	1000.8	+2	SSE	1	c/r	37	97	8	1500	StCu	4	A.St	7	0
Liverpool (Bidston)	1001.2	+1	SSE	3	b	34	92	6	2500	Nb	1	–	1	3
Chester (Shotwick)	1000.8	0	SSE	3	b	30	92	5	4000	StCu	1	–	1	•
Spurn Head	1002.1	+1	SSE	3	od₀	37	97	4	450	St	10	–	10	3
Nottingham	1002.7	•	W	1	FFo	31	97	0	<150	St	10	–	10	•
Cranwell	1002.6	+2	S	2	fc-	32	97	2	800	St	5	A.Cu	7	1
Gorleston	1004.0	0	S'W	5	odd	37	97	5	4000	Nb	10	–	10	•
Pulham	1003.4	0	S'W	2	o/s(r)	35	97	7	1500	St	10	–	10	3
Felixstowe	1005.1	0	SSW	3	odd	38	97	6	225	St	10	–	10	4
Valencia (Cahirciveen)	999.5	+3	NE'E	2	b/s	31	92	8	2500	StCu	1	–	1	1
Roches Point	1000.7	+3	WNW	1	b	35	92	8	–	–	0	–	0	3
Pembroke (St. Ann's H.)	1000.8	0	WNW	1	bc/p	38	92	9	2500	CuNb	6	–	6	•
Ross-on-Wye	1003.1	+1	–	0	FFo	26	97	1	<150	St	10	–	10	•
Benson	1003.5	+2	–	0	b-	30	92	7	–	St	1	–	1	•
S. Farnborough	1003.7	+2	–	0	FFb	34	97	1	–	–	0	–	0	•
London (Kew Obsy.)	1003.9	+4	SW'W	1	ffo	39	92	2	450	St	10	–	10	•
Croydon	1003.8	+3	SSW	3	o+	37	97	4	460	St	9	–	9	0
Clacton-on-Sea	1003.5	+1	SSE	2	orr	39	97	4	2500	St	10	–	10	0
Shoeburyness	1003.7	+1	–	0	mc	36	85	5	450	StCu	5	A.Cu	7	•
Grain	1003.0	+1	SSW	2	c-	38	97	6	2500	StCu	7	–	7	•
Lympne	1004.3	+2	W	1	bc	37	97	5	4000	StCu	3	A.Cu	6	5
Scilly (St. Mary's)	1000.4	0	NW	1	cH(R)	40	97	8	4000	Cu	8	–	8	0
Falmouth (Pendennis)	1001.2	0	SW	4	OFf	41	85	6	2500	Nb	10	–	10	•
Plymouth (Cattewater)	1001.7	0	–	0	o/h	37	92	8	1500	Nb	10	–	10	3
Portland Bill	1003.1	+3	SSE	3	b-	46	85	7	–	–	0	–	0	3
Southampton (Calshot)	1003.7	+2	SE'S	1	b-	39	92	4	1500	CuNb	1	Ci	2	5
Dungeness	1003.7	+2	W	2	bc/r	40	97	8	5750	StCu	5	–	5	3
Jersey 7h / Guernsey 1h	1004.0	0	SSW	3	b	43	85	8	–	–	0	–	0	

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 19th Jany

STATIONS	Weather Fore-noon	Weather After-noon	Temperature Max. Day °F.	Temperature Min. Night °F.	Rainfall† Night 17h.-9h. 18-19 mm.	Rainfall† Day 9h.-17h. 19 mm.	Sunshine Sunrise to Sunset 19 hr.	Sunshine Sunrise to Sunset hr.
Banff	or	ro	39	33	–	1	0·0	
Montrose	or	o	42	31	0·5	2	0·0	
Llandudno	r.o	c.b.bc	44	38	5	–	2·1	
Colwyn Bay	rc.bc	bc	44	38	5	–	2·5	
Rhyl	p.c bc	bc	46	36	3	0·1	2·0	
Southport	o. c	o	40	33	9	–	1·0	
Blackpool								
Harrogate	or	b.r.bc.o	38	25	1	1	0·1	
Skegness	op.o.c	bc.c	45	?	0·4	0·1	0·0	
Aberystwyth	r.o.c	bc.o	44	40	15	–	2·5	
Bath	op bc b	b.bc.c	48	36	1	1	3·0	
Leamington Spa	o.c	bc	47	34	3	–	2·5	
Lowestoft	or	or	42	27	11	3	0·0	
Felixstowe	omr	omd	41	38	6	3	0·0	
Southend	or	or	44	39	6	2	0·0	
Paignton	or bc	bccm	52	39	–	trace	2·5	
Ilfracombe	o.c.bc	bc.c	47	43	3	–	3·3	
Bude	c	bc	49	35	2	0·2	3·6	
Penzance	cpr	bc	48	41	2	2	5·3	
Falmouth Observatory	cp	bcph	48	41	2	1	5·2	
Torquay	b	b	52	43	2	–	4·3	
Weymouth	p.bc	bc.c	51	45	7	0·3	3·1	
Bournemouth	or	bcs	49	41	19	0·3	1·2	
Portsmouth (S'thsea)	or	bc	50	44	23	7	0·8	
Worthing	ecr	or	47	43	?	2	0·0	
Brighton	o	or o	47	43	7	3	0·0	
Eastbourne	ro	or	47	42	9	3	0·0	
Hastings	or	or	46	40	7	3	0·0	
Folkestone	r	o	43	35	7	7	0·0	
Tunbridge Wells	or.o	o.or	46	39	19	5	0·0	
Ramsgate	r	r	40	35	2	4	0·0	
Margate	or	o	43	34	–	2	0·0	
Deal	or	ro	42	37	13	1		

* 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.21975 SATURDAY 21st JANUARY 1922.

Observations at 1800 G.M.T. 20

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	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	10037	-1	SSE	5	o+	40	92	7	–	–	0	A.Sr	10	*
Stornoway	9972	+1	S	4	b-	42	75	7	4000	Cu	3	–	3	*
Wick	10011	+1	SSW	3	o+	40	85	8	–	–	0	A.Sr	9	*
Castlebay	9964	0	SE	6	ojp	41	85	7	1500	Sr	10	–	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	10021	+2	SW'W	2	o-	39	75	7	–	–	0	A.Sr	9	*
Malin Head	9977	+1	SSW	3	bc	38	92	8	–	–	0	Ci.Cu	5	*
Renfrew	10021	+1	SE	1	bc+	40	65	6	4000	StCu	3	Ci	4	*
Edinburgh (Inchkeith)	10020	+1	SW	1	imb	38	85	6	–	–	0	Ci.Cu	1	*
Eskdalemuir	10034	+2	–	0	c-	34	75	6	1500	Sr.	8	–	8	*
Tynemouth	10036	+3	SW	1	ffc	37	85	2	2500	Sr	8	–	8	*
Blacksod Point	9971	+1	S'E	6	cpr₀	43	75	8	1250	CuNb	7	–	7	*
Donaghadee	10018	+1	WSW	1	b	39	65	7	–	–	0	A.Cu	3	*
Birr Castle	10000	*	SE	1	b+	37	92	7	2500	StCu	3	–	3	*
Baldonnell	10014	+1	–	0	bc	35	85	8	4000	StCu	5	A.Sr	6	*
Holyhead	10027	0	SSE	4	o+	43	85	8	2500	CuNb	6	A.Cu	9	*
Liverpool (Bidston)	10034	+1	SE'S	1	b+	38	85	6	2500	StCu	2	–	2	*
Chester (Shotwick)	10026	+1	SE	2	b	39	85	6	4000	StCu	1	–	1	*
Spurn Head	10053	+3	SSE	3	FFo	37	97	1	450	Sr	10	–	10	*
Nottingham	10058	*	SW	1	Fo	30	97	0	<150	Sr	10	–	10	*
Cranwell	10055	+2	ESE	1	b	41	92	4	–	–	0	–	0	*
Gorleston	10075	+3	SW	2	ffo	37	97	3	800	Sr	10	–	10	*
Pulham	10069	+2	S'W	2	ffo	37	97	3	600	Sr	10	–	10	*
Felixstowe	10091	+3	–	0	imo	40	97	5	225	Sr	10	–	10	*
Valentia (Cahirciveen)	9985	-4	SE'S	4	c+	39	85	8	4000	StCu	2	A.Sr	8	*
Roches Point	10014	0	SE	1	c+	42	75	8	–	–	0	A.Cu	7	*
Pembroke (St. Ann's H.)	10028	+2	SSE	3	bdjp	42	75	9	2500	CuNb	6	–	6	*
Ross-on-Wye	10049	+1	–	0	mc-	32	85	4	2500	StCu	5	A.Cu	7	*
Benson	10055	+2	SSE	3	b	42	85	6	–	–	0	Ci	2	*
S. Farnborough	10064	+3	S	3	mmb	44	85	6	4000	Cu	1	Ci	5	*
London (Kew Obsy.)	10063	+2	–	0	FFb	40	97	1	–	–	0	–	0	*
Croydon	10069	+2	S	3	b/f	46	75	6	4000	Cu	1	Ci	2	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	10075	+4	–	0	bm-	44	85	5	4000	StCu	1	–	1	*
Grain	10075	+3	NE	1	b+	41	97	7	4000	Cu	1	Ci	2	*
Lympne	10077	+2	SSW	4	cv	46	75	9	2500	CuNb	5	A.Sr	7	*
Scilly (St. Mary's)	10044	+2	WNW	4	bc	44	97	8	4000	Cu	3	A.Cu	5	*
Falmouth (Pendennis)	10041	+2	WSW	3	c/r	45	75	7	2500	CuNb	8	–	8	*
Plymouth (Cattewater)	10034	+1	NNE	2	b	42	97	7	1500	StCu	1	–	1	*
Portland Bill	10031	0	SSW	5	cpr₀	45	85	7	1500	StCu	7	–	7	*
Southampton (Calshot)	10061	+2	S'E	4	c	45	76	7	2500	CuNb	4	Ci.Sr	7	*
Dungeness	10072	+3	SW	3	b	48	75	8	4000	Cu	3	–	3	*
Jersey	10062	+1	S	4	o	44	85	8	4000	StCu	10	–	10	*

Observations at 1800 G.M.T. 20

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	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1003.1	+2	S	5	opr	38	92	6	2500	Nb	10	–	10	4
Stornoway	997.1	0	SSW	4	opr₀	38	97	7	450	St	10	–	10	3
Wick	1000.8	+1	S	4	b	38	85	8	–	–	0	–	0	4
Castlebay	997.8	+1	SSE	5	b/r	42	85	8	1500	Cu	3	–	3	6
Nairn	1001.7	*	SW	1	b	34	75	8	4000	Cu	2	–	2	*
Aberdeen	1004.0	+2	SSW	2	b	35	85	4	–	–	0	–	0	1
Malin Head	997.5	0	S	2	b	34	97	8	–	–	0	Ci	1	2
Renfrew	1003.1	+1	E	2	ffo	35	92	2	1500	St	10	–	10	*
Edinburgh (Inchkeith)	1003.5	+1	S	1	b	37	75	6	–	St	2	–	2	*
Eskdalemuir	1004.9	+1	NNW	1	b	28	92	6	–	–	0	–	0	*
Tynemouth	1006.4	+3	–	0	imb	35	92	4	–	–	0	–	0	2
Blacksod Point	990.7	-7	SE	6	o+	37	92	5	–	StCu	10	–	10	5
Donaghadee	1002.0	0	S	2	CPR	39	92	7	4000	CuNb	8	–	8	1
Birr Castle	997.8	*	SE	2	c+	35	85	6	–	–	0	A.Sr	8	*
Baldonnell	1006.0	-1	S	3	b+	33	65	8	–	–	0	A.Sr	3	*
Holyhead	1002.1	0	SSE	4	or	40	92	6	1500	Nb	9	–	10	1
Liverpool (Bidston)	1004.2	+1	SE	4	c+	35	92	6	2500	Cu	8	–	8	4
Chester (Shotwick)	1003.9	+1	SE	3	bc+	34	92	4	4000	StCu	6	–	6	*
Spurn Head	1007.7	+2	S	3	FFo	35	97	1	450	St	10	–	10	3
Nottingham	1007.3	+2	E	1	o	30	85	0	<150	St	10	–	10	*
Cranwell	1008.5	+2	SE'S	3	FFo	34	97	1	<150	St	10	–	10	*
Gorleston	1009.8	+2	S'W	2	mo-	38	92	4	2500	St	10	–	10	2
Pulham	1009.4	+3	SE	2	For	36	97	1	<150	St	10	–	10	*
Felixstowe	1011.3	+4	SSE	3	b	39	97	6	–	–	0	–	0	0
Valentia (Cahirciveen)	991.2	-9	SE'S	6	orr	40	85	7	1500	St	10	–	10	6
Roches Point	997.2	-5	S	5	or₀b	42	85	7	2500	Nb	10	–	10	6
Pembroke (St. Ann's H.)	1003.2	+1	S	3	b/r	42	75	9	2500	Nb	3	–	3	3
Ross-on-Wye	1005.7	+1	SSW	2	o+	40	85	6	1500	St	10	–	10	*
Benson	1007.9	+3	S	2	c+	38	85	6	–	StCu	7	–	7	*
S. Farnborough	1008.6	+3	S	1	mmb	39	92	6	–	–	0	–	0	*
London (Kew Obsy.)	1009.1	+3	S	2	ad₀	44	85	5	2500	Nb	5	A.Cu	9	*
Croydon	1009.4	+4	SSE	3	b*	39	92	6	4000	StCu	2	Ci	3	*
Clacton-on-Sea	1009.4	+3	SE	3	b/r	40	97	7	–	–	0	A.Sr	2	0
Shoeburyness	1009.5	+2	S	1	b/f	38	85	6	–	–	0	–	0	*
Grain	1010.5	+4	SE	1	b	40	92	8	–	–	0	–	0	0
Lympne	1010.3	+4	S'W	3	b	40	85	8	–	–	0	A.Sr	1	
Scilly (St. Mary's)	1003.5	-1	S	3	o	40	97	8	4000	Cu	3	A.Cu	10	5
Falmouth (Pendennis)	1004.4	0	SW	4	c+	44	65	7	4000	Cu	7	–	7	0
Plymouth (Cattewater)	1005.3	+2	SW	3	o+	44	85	9	1500	StCu	6	Ci.Sr	10	0
Portland Bill	1005.5	+3	S	5	bc/r	44	85	7	1500	StCu	5	–	5	4
Southampton (Calshot)	1008.2	+3	SSE	3	bcjp	43	85	8	2500	CuNb	4	–	4	3
Dungeness	1009.7	+3	S	4	b	43	97	8	2500	Cu	1	–	1	4
Jersey	1008.2	+1	SSW	4	c/r	43	85	8	4000	StCu	7	–	7	3

London Observations. 24 Hours ended 0900 G.M.T. 21st

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. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)
Kew } 24 hours ended 0700	ofbf	bfbcd	opbdo	*	*	32	0.1	0.1	3.2	*	*
Croydon } 24 hours ended 0700	ob/em	bzm	bimbo₀	*	*	33	tra	0.1	6.1	*	*
Greenwich (Royal Obsy.)	om	b	cdod	47	37	30	–	–	5.0	74	86
City (Bunhill Row)	*	*	*	*	*	*	*	*	1.0	*	*
Westminster (St. James' Pk.)	*	*	*	48	37	33	0.2	–	3.0	71	80
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*	0.5	*	–
Camden Sq. (Brit. Rainfall)	m	bc	*	46	37	35	–	–	*	75	86
Kensington Palace	ofbc	bco	*	48	37	34	–	–	*	76(18h)	88
Hampstead Observatory	*	*	*	44	35	32	–	tra	?	*	88

Atmospheric Pollution. Milligrams of Solid impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 20.

South Kensington	Max.	Time.	Min.	Time.

Kew Observatory	Max.	Time.	Min.	Time.
	0.5	1800 19th	0.3	0300 20th
	1.1	1300 20th		

Solar Radiation. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total .... joules

Average Rate ....Milliwatts.

Maximum Rate ....Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from 20th 17 h 30 m. to 21st 6 h 45 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	13.15	4.35	35
δ Ursae Minoris	13.15	2.33	19

Radio Disturbances (Atmospherics) at Croydon.§

Time.	Type.	No. per sec.	Stren.	Direc.
[illegible]	C	5	–	145
[illegible]	C	5	–	160
[illegible]	C.C₂	7	–	175
[illegible]	C.C₂	6	–	165

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom.

21st & 22nd JAN 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.53 / 7.52	12.4 / 12.4	4.15 / 4.16
Greenwich	7.56 / 7.55	12.11 / 12.11	4.26 / 4.27
Wick	8.44 / 8.42	12.23 / 12.23	4.3 / 4.5
Valencia	8.39 / 8.38	12.52 / 12.52	5.5 / 5.6

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow. t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.
jp precipitation within sight.

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.

Sea Disturbance.

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

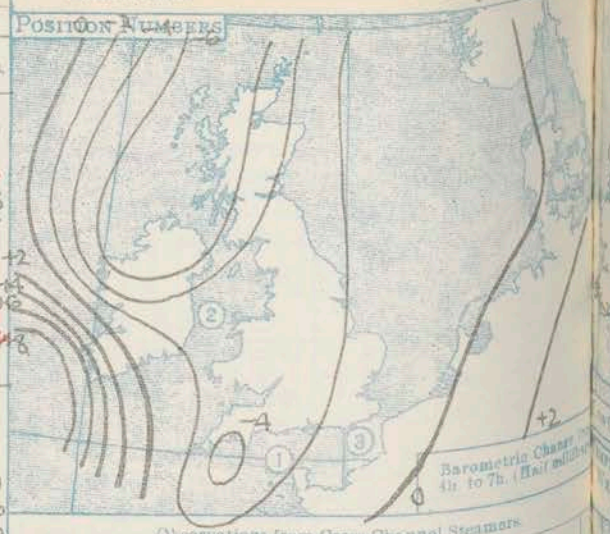
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

§ For explanation, see 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. 20°	13h.-18h. 20°	18h.-20. to 21h.5	18h.-7h. 21h	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	c	r or d	b or bc	b or bc	42	38	*	6	0.3	1330	<2100	*
Stornoway	c	c	c	b or bc	42	36	*	0.2	0.6	–	0530	4.9
Wick	c	b or bc	b or bc	c	41	36	*	–	–	–	–	*
Castlebay	bc o p o	op. bc	b o c c	c o r r	42	39	*	2	7	–	–	2.0
Nairn	b or bc		b or bc		38	30	*	–	–	–	–	4.5
Aberdeen	o o	b or bc	b m o m q		39	34	27	–	–	–	–	1.7
Malin Head	b or bc	b or bc	b c p r	g r o r	38	34	*	–	3	–	2400	4.8
Renfrew	b. b o 12	b. b c. o f	o f b l r		40	30	24	trace	0.2	–	0630	4.7
Edinburgh (Inchkeith)	f or m	b or bc	b or b c	c	39	34	30	–	–	–	–	0.8
Eskdalemuir	c	c	b c p r m		35	26	20	–	1	–	0230	[illegible]
Tynemouth	f f	b i f. m	i f i m p	o i m	38	30	*	–	trace	–	2400	*
Blacksod Point ...	p	o o	r i o r r h		43	?	*	?	8	–	2430	*
Donaghadee	b c	b c p	b c p q	o m r q	42	36	*	2	6	1430	<2100	*
Birr Castle	b c b	b c. c. o	o r. r.	o i r	39	35	32	–	2	–	<2100	6.0
Baldonnell	b or bc	c	o o	o o p r q	39	31	26	–	2	–	0430	2.9
Holyhead	c o n f b c o b c c m	b c p h. o o p	o b o p	r or d	43	38	39	2	0.3	–	–	2.6
Liverpool (Bidston) ...	b or bc	b or bc		p	41	34	29	–	1	–	0430	7.0
Chester (Shotwick) ...	b b i m	b. d m m	e b m	r or d	39	34	31	–	1	–	0230	*
Spurn Head	F	F	F	c	41	34	*	0.2	–	–	–	0.0
Nottingham	F	F	b	c	33	32	30	–	–	–	–	0.0
Cranwell	b or bc	F	f m	o o	42	32	31	–	trace	–	<2100	0.0
Gorleston	o F	o f m c	b c c o q	o o	38	35	34	–	–	–	–	0.0
Pulham	f or m	f or m	f or m		37	33	28	–	–	–	–	0.0
Felixstowe	f or m	f or m	d o		43	37	36	0.2	–	<0800	–	3.4
Valencia (Cahirciveen)	b p r s c	c. o r	o r r	o r r c	41	41	38	8	15	1430	<2100	0.4
Roches Point	b or bc	o o	f or d		45	42	*	1	11	1630	<2100	*
Pembroke (St. Ann's H.)	c v i r h	b c r i r h	c u o q d m	o q d m	44	42	*	2	3	<0800	2200	1.6
Ross-on-Wye	F f. p r s	b m c m b c	o m p b c	o d. q d.	40	39	36	0.3	0.3	1100	<2100	1.4
Benson	b c	b or bc	b c	c r.	44	36	28	–	0.3	–	0630	*
S. Farnborough ...	F. f.	f or m	c		46	37	31	trace	trace	–	–	5.7
London (Kew Obsy.) ...	o f b f	b f b c o	o p c b	b c d o	45	39	32	0.1	0.1	<0800	<2100	3.2
Croydon	o b f e m	b z m	b i m	b o r.	46	38	33	trace	0.1	–	0430	6.1
Clacton-on-Sea ...	r. b e m s. b		b m	b m o g	43	37	34	0.3	–	<0800	–	6.1
Shoeburyness	b or bc	b or bc	c		44	36	32	–	–	–	–	4.5
Grain	b i F	b or bc	p		47	36	31	–	trace	–	0530	5.8
Lympne	b c m i m	c. b c. b v	b b c c o q	o q	46	36	36	–	–	–	–	6.8
Scilly (St. Mary's) ...	b or bc	c	r or d	o o	47	40	*	–	7	–	<2100	4.6
Falmouth (Pendennis.)	o r c	c. b. bc.	c o m r q	o q r	46	41	*	0.6	12	<0800	<2100	4.0
Plymouth (Cattewater)	r c	c	r or d		46	43	39	4	13	<0800	<2100	2.9
Portland Bill	p	c	c	r or d	47	40	*	0.2	1	1230	0430	*
Southampton (Calshot)	c	c	r or d	r or d	47	42	40	trace	0.6	1100	<2100	3.1
Dungeness	b or bc	b or bc	c	c	? 48	38	*	–	–	–	–	*
Jersey	b c. o	o i m c	b o r.	o r. o	46	42	*	0.5	2	1530	2400	3.9

ISALLOBARS — 21st January



Observations from Cross Channel Steamers

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea
2	20th 1010	Scotia	S	5	cu q p	40	46
1	20th 1300	Reindeer	SSW	5	S S S	47	51
3	21st 0300	Arundel	N	5	O+	43	47

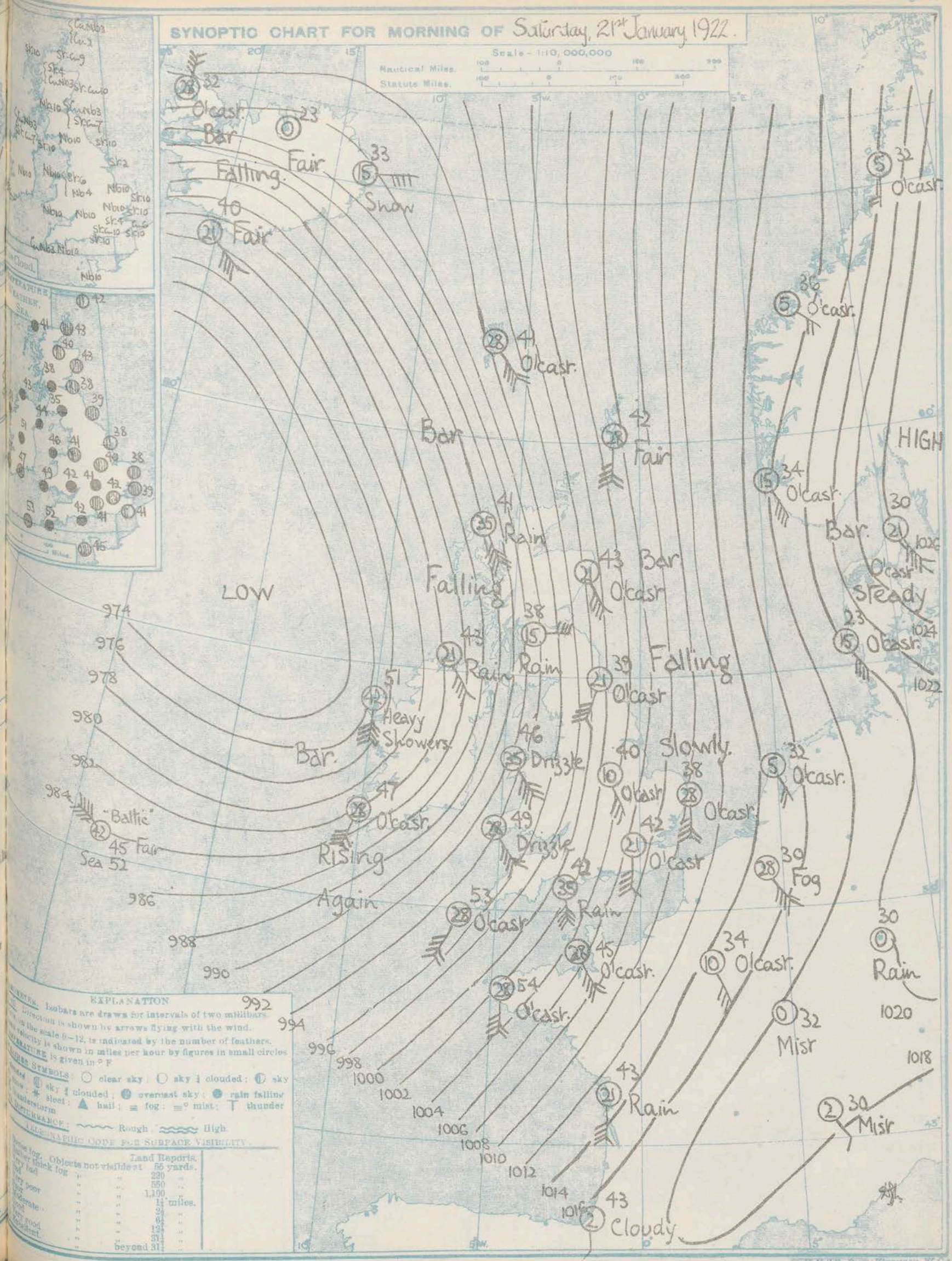
GENERAL INFERENCE.

A large, deep depression moving Northward off the West of Ireland will cause strong winds or gales - mainly from South - with occasional rain or drizzle and a higher temperature than of late.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Saturday 21st January 1922.	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	Wind Southerly, veering somewhat later, strong generally, a gale in exposed places; mainly overcast, occasional rain or drizzle; milder than of late; visibility indifferent to fair.	Unsettled, with a mild or moderate temperature. ▼ South Cone Hoisted on all Coasts at 0200h to-day.
▼17. N.W. Ireland ▼18. N.E. Ireland ▼19. S.E. Ireland ▼20. S.W. Ireland	Wind South and South-West to West, strong or a gale; cloudy or overcast, rain at times, hail locally. Mild, then colder. Visibility indifferent to good.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 08.50. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page


SYNOPTIC CHART FOR MORNING OF Saturday, 21st January 1922.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
Bar
Falling.
Fair
Show
Fair
Bar
Fair
HIGH
Bar.
Steady
Falling
Falling
Slowly.
LOW
Bar.
Heavy Showers
"Baltic"
Sea
Rising
Again
Misr
Cloudy
EXPLANATION
Isobars are drawn for intervals of two millibars.
Direction is shown by arrows flying with the wind.
Velocity is shown in miles per hour by figures in small circles.
Temperature is given in °F.
Weather Symbols
Land Reports.
Objects not visible at 55 yards.
Beyond 31

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. SATURDAY. 21st JANUARY 1922. No. 21

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun. 0-9
Lerwick	1006.1	+2	S	5	b-	41	85	6	7250	SrCu	2	-	2	*
Stornoway	998.6	0	S	4	0	*	*	6	*	*	*	*	*	*
Wick	1002.2	-1	S	6	b+	40	92	8	5750	Cu	3	-	3	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	990.5	-7	SSE	4	0ff	38	97	6	4000	Nb	10	-	10	*
Renfrew														*
Edinburgh (Inchkeith)	1002.5	-1	S	3	b	35	85	7	-	SrCu	2	-	2	*
Eskdalemuir														*
Tynemouth	1006.2	-1	SSW	4	o/r	36	92	6	4000	Nb	10	-	10	*
Blacksod Point ...														*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	992.9	-7	SW	5	o/p	43	85	6	1500	Sr	6	A.Sr	10	*
Holyhead	999.2	-4	SSE	5	or	*	*	6	1500	Nb	10	-	10	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1007.5	-1	SSE	5	o	38	97	6	-	-	0	A.Sr	9	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1009.4	-1	SE	4	o	34	97	6	800	Sr	10	-	10	*
Gorleston	1011.9	+1	S	6	o+	38	92	7	4000	Nb	10	-	10	*
Pulham														*
Felixstowe														*
Valencia (Cahirciveen)	984.7	-8	S	5	opr	53	92	4	-	CuNb	10	-	10	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	998.9	-4	SSE	6	odd	43	92	6	<150	Nb	10	-	10	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy) ...	*	*	*	*	*	43	*	*	*	*	*	*	*	*
Croydon	1009.5	0	SSE	4	b	42	85	8	1500	SrCu	3	-	3	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1011.4	+1	SW	5	o+	37	92	7	2500	Sr	10	-	10	*
Scilly (St. Mary's) ...	997.5	-6	SW	5	o	52	97	7	4000	CuNb	10	-	10	*
Falmouth (Pendennis)	999.9	-8	SW	8	orr	47	97	6	2500	Nb	10	-	10	*
Plymouth (Cattewater)														*
Portland Bill	1006.5	0	SSE	6	bc+	42	85	7	1500	SrCu	6	-	6	*
Southampton (Calshot)	1008.3	0	SE'S	4	bc/r	43	85	8	2500	SrCu	4	-	4	*
Dungeness	1011.0	+2	S	4	c+	39	97	7	-	-	0	A.Sr	8	*
Jersey (Th) ... ... Guernsey (Th)	1006.3	-2	SSE	5	ofg+	43	85	7	2500	Sr	10	-	10	*

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun. 0-9
Lerwick	1005.9	-1	S	6	bc+	42	75	6	4000	CuNb	5	-	5	5
Stornoway	988.5	-7	SSE	7	ofg	41	85	6	450	Sr	10	-	10	6
Wick	997.5	-5	S	8	o+	43	92	7	7250	SrCu	9	-	9	6
Castlebay	985.2	-6	SE	8	orr	42	97	5	800	Nb	10	-	10	*
Nairn	993.5	*	E	2	c+	40	75	8	1500	Sr	7	-	7	4
Aberdeen	1001.8	-3	SSE	5	o+	43	85	6	4000	SrCu	10	-	10	3
Malin Head	981.6	-7	SSE	5	ofg+	43	97	7	4000	SrCu	10	-	10	*
Renfrew	995.6	-6	E	4	or	38	85	6	1500	Nb	10	-	10	3
Edinburgh (Inchkeith)	997.9	-5	SSE	3	o+	38	85	7	-	SrCu	10	-	10	*
Eskdalemuir	998.4	-4	SSE	5	orr	35	92	6	1500	Nb	10	-	10	4
Tynemouth	1002.3	-4	SSW	5	o	39	92	6	4000	Sr	10	-	10	*
Blacksod Point ...	974.3	-9	S	8	oPR+	51	85	3	-	-	0	A.Sr	10	6
Donaghadee	991.3	-6	S	4	orr	44	92	6	2500	Sr	10	-	10	*
Birr Castle	981.5	*	SE	5	ofg	51	92	5	800	Nb	10	-	10	*
Baldonnell	986.9	-4	SE	7	cfg+	50	85	7	1500	Nb	7	C.Sr	9	4
Holyhead	992.7	-3	SSE	7	o/r+	46	92	7	1500	Nb	10	-	10	4
Liverpool (Bidston) ...	997.5	-3	SE	6	o/r	41	85	7	2500	Sr	10	-	10	6
Chester (Shotwick) ...	997.7	-3	SE	6	odd	41	85	8	800	Sr	10	-	10	*
Spurn Head	1005.9	-2	SSE	7	bc	38	97	6	1500	Sr	4	-	4	3
Nottingham	1004.6	*	SSE	3	o+	40	92	7	800	Nb	10	-	10	*
Cranwell	1006.3	-2	SE'S	6	o	37	97	6	2500	Sr	10	-	10	6
Gorleston	1011.6	0	S	6	o	38	92	6	2500	Sr	10	-	10	*
Pulham	1010.8	-2	SSE	5	o/f	37	97	6	2500	Sr	10	-	10	3
Felixstowe	1012.7	0	S	5	o	38	97	7	2500	SrCu	10	-	10	5
Valencia (Cahirciveen)	983.8	+9	SW	6	o/r	47	75	8	800	SrCu	2	A.Sr	8	5
Roches Point	987.4	0	SSW	5	o	47	92	6	1500	Sr	9	-	9	6
Pembroke (St. Ann's H.)	994.0	-2	SSE	6	odd	+9	97	6	800	Nb	10	-	10	*
Ross-on-Wye	1001.0	-3	SSE	6	odd	42	85	7	2500	Nb	10	-	10	*
Benson	1005.3	-2	SSE	5	ofg	41	85	6	-	Nb	10	-	10	*
S. Farnborough ...	1005.8	-3	SSE	4	nmo	41	97	6	5750	SrCu	10	-	10	*
London (Kew Obsy) ...	1007.7	-1	S	4	o/r	42	85	7	1500	Sr	4	A.Sr	10	*
Croydon	1008.5	-2	SE	5	ofg	41	92	7	800	Nb	7	A.Sr	10	2
Clacton-on-Sea ...	1010.7	-1	SE	5	o+	39	92	4	2500	Sr	10	-	10	*
Shoeburyness	1010.2	-1	S	4	o+	40	85	6	2500	SrCu	7	A.Sr	10	3
Grain	1009.9	0	SSE	5	o	39	85	6	1500	SrCu	10	-	10	*
Lympne	1010.8	-1	S	6	o	39	92	6	800	Sr	10	-	10	*
Scilly (St. Mary's) ...	994.7	-3	SW'S	6	o	53	92	6	4000	CuNb	3	C.Sr	10	6
Falmouth (Pendennis)	997.2	-4	SW	8	orr	52	92	6	2500	Nb	10	-	10	3
Plymouth (Cattewater)	999.1	-2	S	5	orr	52	97	6	-	Nb	10	-	10	6
Portland Bill	1001.5	-4	S	7	ofg	42	85	6	450	Sr	10	-	10	0
Southampton (Calshot)	1006.4	-2	SE	5	odd	43	97	5	800	Nb	10	-	6	5
Dungeness	1010.2	-1	SSW	5	bc	41	97	7	4000	Cu	6	-	10	6
Jersey (Th) ... ... Guernsey (Th)	1005.1	-1	SE	6	o/r	45	92	8	1500	Nb	10	-		

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 20th JAN.

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 18h.-9h. 19.20 mm.	Rainfall.† Day 9h.-18h. 20 mm.	Sunshine. Sunrise to Sunset 20 hr.	Sunshine. Sunrise to Sunset hr.
Banff	o.c.c.b	bc.b	37	28	-	-	1.8	
Montrose	o.c.	bc	39	32	-	-	2.9	
Llandudno	bc	b.bc	45	31	1	-	6.2	
Colwyn Bay ...	bc	b	44	33	2	-	6.6	
Rhyl	y bc	bc	46	30	-	-	7.0	
Southport	b	b.bc	40	30	-	-	1.0	
Blackpool								
Harrogate	bf	bf	40	28	0.1	-	2.3	
Skegness	om	of	38	37	5	-	0.1	
Aberystwyth ...	r.c.b	c.o	43	33	1	-	4.2	
Bath	mbp.	p.o.cbc	42	26	-	1	0.8	
Leamington Spa ..	of.c	c	40	26	-	-	1.5	
Lowestoft	om	om	40	34	10	-	0.0	
Felixstowe	bm	bm	42	34	22	-	3.7	
Southend	f.o.c	bc.b	46	34	12	-	3.6	
Paignton	or.c.bc.	bc.c.o	41	29	mm. 4	mm. 2	hr. 3.7	
Ilfracombe	bc	bc	43	36	2	-	3.4	
Bude	rc.bc	b	46	33	2	0.1	3.6	
Penzance	opr.c	bc	48	35	1	0.2	3.4	
Falmouth Observatory	bcp	b.bc	46	34	2	1	4.2	
Torquay	or	b	50	33	4	2	3.6	
Weymouth	cp.ph.c	bc.c	49	31	-	2	3.6	
Bournemouth ...	bc	bc.c	44	30	1	1	2.6	
Portsmouth (S'thead)	or	b	48	35	7	1	5.6	
Worthing	mbc	bc	47	34	20	-	6.1	
Brighton	f.c.bc.b	b.bc.c	47	36	12	-	6.1	
Eastbourne ...	b	b	49	37	14	-	7.9	
Hastings	b	b	49	39	15	-	7.4	
Folkestone	f.o.b	b	49	36	11	-	6.7	
Tunbridge Wells ...	b	bcph.b	48	35	9	0.3	6.2	
Ramsgate	bc	f	47	35	1	-	5.7	
Margate	bc.b	b.bc	46	35	11	-	4.5	
Deal	bc.b	b.bc.b	47	36	16	-	6.0	

* 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. B21976 SUNDAY, 22nd JANUARY 1922. 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	Height of Low Cloud. Feet	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1004.1	-3	SSE	7	oro	41	92	6	2500	Nb	10	–	10	*
Stornoway	984.5	-4	SE	7	o/r	46	85	6	450	St	10	–	10	*
Wick	994.3	-5	SSE	10	or₀	43	92	6	1500	Nb	8	a.St	10	*
Castlebay	983.1	-1	SSW	6	bc/r	49	85	6	1500	Nb	6	–	6	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	998.6	-3	SSE	6	or	42	97	6	2500	Nb	10	–	10	*
Malin Head	984.8	+7	S	4	bc-	47	92	8	4000	Cu	5	–	5	*
Renfrew	992.7	-1	SE	4	o/r	41	85	8	1500	StCu	10	–	10	*
Edinburgh (Inchkeith)	996.0	+1	SE	3	od₀	40	85	7	–	Nb	10	–	10	*
Eskdalemuir	996.1	0	SSE	5	oR	38	97	5	450	Nb	10	–	10	*
Tynemouth	1001.1	-1	S	6	orr	40	92	6	1500	Nb	10	–	10	*
Blacksod Point	982.4	+9	SW	9	cPRh	45	75	7	–	Cu	7	–	7	*
Donaghadee	992.0	+5	SW	2	b/r	50	75	7	4000	Cu	2	Ci	3	*
Birr Castle	992.7	*	S	4	b-	48	75	8	4000	Cu	3	–	3	*
Baldonnell	993.6	+10	SW'S	6	b-	48	65	7	–	–	0	Ci	2	*
Holyhead	996.2	+7	SSW	5	c	50	85	7	2500	StCu	2	Ci	8	*
Liverpool (Bidston)	996.6	+2	SE'S	4	opr₀	44	92	6	1500	Nb	10	–	10	*
Chester (Shotwick)	998.1	+1	SSE	3	o/r	45	92	8	1500	St	10	–	10	*
Spurn Head	1003.7	-2	SE	7	orr	40	92	5	–	–	0	a.St	10	*
Nottingham	1002.2	*	SSE	4	o/r	44	92	6	800	Nb	10	–	10	*
Cranwell	1004.3	-2	SE'S	6	odd	40	97	6	450	Nb	10	–	10	*
Gorleston	1010.9	-1	S	7	orr	39	92	6	4000	Nb	10	–	10	*
Pulham	1009.0	-2	SE'E	5	or₀	39	97	5	450	Nb	10	–	10	*
Felixstowe	1011.4	-2	S'E	5	od₀	39	97	6	450	St	10	–	10	*
Valencia (Cahirciveen)	992.3	+7	SSW	6	bc	46	75	8	2500	StCu	4	a.Cu	6	*
Roches Point	996.0	+7	WSW	5	bc	49	75	8	2500	CuFb	4	–	4	*
Pembroke (St. Ann's H.)	1000.0	+6	SW	5	bc-	50	85	7	1500	St	3	Ci.St	5	*
Ross-on-Wye	1001.2	+2	SW	4	o/r	51	85	7	1500	Nb	7	a.St	10	*
Benson	1004.6	-2	SSE	5	odod	45	85	6	–	Nb	10	–	10	*
S. Farnborough	1005.5	-2	SSE	3	orr₀	45	97	6	800	Nb	10	–	10	*
London (Kew Obsy.)	1006.1	-3	S	4	or₀r	45	97	4	1500	Nb	8	a.St	10	*
Croydon	1007.0	-2	S'E	5	odod₀	44	97	6	450	St	9	a.St	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1008.9	-3	S	3	od₀	41	92	5	1500	St	10	–	10	*
Grain	1008.7	-2	SSE	5	ododd	41	97	6	1500	StCu	10	–	10	*
Lympne	1009.5	-3	S'E	6	ododd₀	40	97	6	800	Nb	10	–	10	*
Scilly (St. Mary's)	1001.5	+5	WSW	4	c/r	51	92	6	4000	StCu	3	–	8	*
Falmouth (Pendennis)	1002.7	+6	SW	5	o/r	51	75	6	2500	St	10	–	10	*
Plymouth (Cattewater)	1002.4	+4	SSW	4	o	52	85	6	1500	St	10	–	10	*
Portland Bill	1002.4	+1	S	7	orr	44	85	6	450	St	10	–	10	*
Southampton (Calshot)	1005.0	-1	SSE	5	orr	47	97	7	800	Nb	10	–	10	*
Dungeness	1008.0	-3	S	5	o/r	43	92	7	800	St	10	–	10	*
Jersey	1006.2	0	S	5	orr	49	92	7	1500	Nb	10	–	10	*

Observations at 1800 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	Height of Low Cloud. Feet	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1003.2	0	SSE	9	orr	40	92	5	2500	Nb	10	–	10	8
Stornoway	988.4	+4	SSE	7	b	46	75	6	–	–	0	–	0	6
Wick	995.3	+3	SSE	9	or₀	43	97	6	4000	Nb	10	–	10	8
Castlebay	988.2	+2	SSE	6	opr₀	47	85	6	800	Nb	10	–	10	7
Nairn	995.1	*	SSE	3	bc/r	42	75	8	1500	St	5	–	5	*
Aberdeen	1001.1	+4	SSE	4	o/r	43	92	6	1500	St	10	–	10	6
Malin Head	990.4	+7	SSE	4	b	43	92	8	4000	Cu	1	–	1	5
Renfrew	998.3	+6	S	3	b	41	85	8	–	–	0	–	0	*
Edinburgh (Inchkeith)	999.2	+5	SW	3	cd₀	44	85	7	–	–	0	a.St	7	3
Eskdalemuir	1001.8	+4	SSW	4	b	38	92	6	–	–	0	–	0	*
Tynemouth	1003.0	+2	SSW	3	o/r	41	97	6	–	–	0	a.St	10	3
Blacksod Point	990.7	+9	SW	8	oPh	47	65	5	–	StCu	10	–	10	8
Donaghadee	997.7	+5	SSW	2	b	44	75	8	–	–	0	–	0	4
Birr Castle	998.1	*	S	3	bc+	42	85	7	4000	Cu	4	–	4	*
Baldonnell	999.7	+8	SSW	5	b	43	75	7	–	–	0	a.St	1	*
Holyhead	1001.7	+5	SSW	5	b	48	85	7	2500	StCu	1	a.Cu	2	1
Liverpool (Bidston)	1003.8	+6	S	2	b-	43	92	5	–	–	0	a.St	2	3
Chester (Shotwick)	1003.5	+8	SSE	1	b-	44	85	6	2500	StCu	2	–	2	*
Spurn Head	1006.4	+3	S	6	orr	40	97	6	450	St	10	–	10	5
Nottingham	1005.9	*	S	2	o	45	97	6	1500	Nb	10	–	10	*
Cranwell	1006.7	+3	SSE	4	o/r	42	97	5	450	Nb	10	–	10	*
Gorleston	1009.9	-1	S	6	orr	39	97	5	4000	Nb	10	–	10	5
Pulham	1009.9	+1	SSE	5	orr	41	97	5	800	Nb	10	–	10	*
Felixstowe	1011.6	+1	S'E	5	orr	41	97	5	225	Nb	10	–	10	X 5
Valencia (Cahirciveen)	998.9	+8	S'W	3	c+	45	85	8	2500	StCu	8	–	8	4
Roches Point	1001.1	+6	WSW	4	b-	45	85	8	2500	CuFb	2	–	2	4
Pembroke (St. Ann's H.)	1004.7	+5	SW	4	c+	49	75	7	1500	Nb	7	–	7	5
Ross-on-Wye	1006.5	+5	SW	1	bc-	46	85	6	2500	Nb	8	–	8	*
Benson	1007.2	+5	S	3	o/r	47	92	6	–	StCu	10	–	10	*
S. Farnborough	1007.8	+3	S'W	3	mmo	47	97	6	1500	StCu	10	–	10	*
London (Kew Obsy.)	1008.2	+4	S	2	o/r	46	97	5	1500	Nb	10	–	10	*
Croydon	1009.0	+3	S	4	odod	46	97	6	800	St	10	–	10	*
Clacton-on-Sea	1009.6	+1	SE	5	orr	41	97	5	2500	St	10	–	10	4
Shoeburyness	1009.5	+1	S	3	odd	43	92	6	1500	St	10	–	10	*
Grain	1009.5	+1	SSE	4	or₀r	43	97	6	1500	StCu	10	–	10	0
Lympne	1010.4	+1	S	5	orr	43	97	5	225	Nb	10	–	10	*
Scilly (St. Mary's)	1006.4	+9	SW'W	3	bc	50	97	7	4000	Cu	5	–	5	5
Falmouth (Pendennis)	1006.3	+8	W	4	b-	49	75	6	4000	Cu	4	Ci.Cu	6	1
Plymouth (Cattewater)	1007.8	+7	WSW	3	o	49	92	8	2500	St	10	–	10	3
Portland Bill	1006.6	+4	SSW	6	c/r	47	85	7	1500	StCu	8	–	8	6
Southampton (Calshot)	1008.0	+4	SSW	3	o/r	47	97	7	1500	StCu	9	–	9	3
Dungeness	1009.5	+8	SW	5	oR	45	97	7	800	Nb	10	–	10	6
Jersey	1009.0	+1	SW	5	o/r	50	92	7	1500	Nb	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. % (Yesterday)	Humidity: 9h. G.M.T. % (To-day)
	24 Hours ended 0900 G.M.T. 22nd										
Kew	ood,or	orodo	oom,ffe	*	*	32	3	0.2	0.0	*	*
Croydon (24 hours ended 0700)	ord₀r	odd₀m	od₀ cbwm	*	*	34	5	0.3	0.0	*	*
Greenwich (Royal Obsy.)	or	or	bomxf	48	34	29	3	0.3	0.0	91	95
City (Bunhill Row)	*	*	*	*	*	*	*	*		97	98
Westminster (St. James' Pk.)	*	*	*	49	37	30	3	–			
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*	0.0	*	*
Camden Sq. (Brit. Rainfall)	od	o/b	*	48	38	36	3	0.3	*	94	100
Kensington Palace	or	or	*	47	38	32	3	0.3	*	97 (18h)	96
Hampstead Observatory	*	*	*			*				*	

ATMOSPHERIC POLLUTION. Milligrams of Solid impurity per cubic metre.

24 Hrs. ended 1800 G.M.T. ....

South Kensington: Max.	Time.	Min.	Time.

Kew Observatory: Max.	Time.	Min.	Time.

SOLAR RADIATION. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total .... joules

Average Rate .... Milliwatts.

Maximum Rate .... Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from ....h.....m. to ....h.....m.

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

RADIO DISTURBANCES (Atmospherics) AT CROYDON.¹

Time.	Type.	No. per 1 sec.	Stren.	Direc.
18h.	C₁C₂	6	–	155°
18h.	C₁C₂	7	–	150
6h.	C₁C₂	8	–	80°
9h.	C₁C₂	8	–	90°

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

22nd & 23rd JANY 1922

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.51 7.50	12.5 12.5	4.18 4.20
Greenwich	7.54 7.53	12.12 12.12	4.29 4.31
Wick	8.40 8.39	12.24 12.24	4.7 4.9
Valencia	8.37 8.36	12.53 12.53	5.8 5.10

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow. t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.
jp precipitation within sight.

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.

SEA DISTURBANCE.

0=no swell, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 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

¹ For explanation, see Introduction. * Information for these columns not actually received. ‡ The barometric change is expressed in half millibars. § For code see page 2.

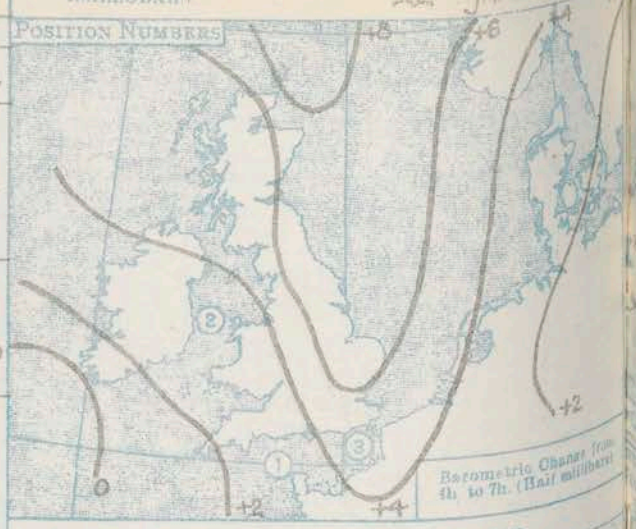
SUMMARIES FOR THE PAST 24 HOURS

STATIONS.	WEATHER. 7h.-13h. 21st	13h.-18h. 21st	18h. 21st to 1h. 22nd	1h.-7h. 22nd	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	r or d	r or d	r or d	p	43	40	•	1	2	<0800	<2100	•
Stornoway	r or d	c	r d	p	44	44	•	3	4	–	–	0.0
Wick	mir₀	oir₀	oir b	b or bc	44	42	•	1	0.1	0900	<2100	•
Castlebay	rr.o.c	rop	opo	obc	49	46	•	4	1	–	–	0.4
Nairn	r or d		b or bc		44	38	•	0.5	–	1100	–	0.8
Aberdeen	omq/rr	rrq/om	om bm		43	39	34	7	–	1100	–	0.0
Malin Head	r₀q/	bq/	c	b or bc	48	40	•	1	–	0900	–	4.4
Renfrew	oir	o.bc.b	bim x		45	36	31	0.6	–	<0800	–	0.9
Edinburgh (Inchkeith)	p	c	b or bc	b or bc	44	39	34	0.4	–		–	•
Eskdalemuir	oSR.m	opmc b	b o bc		40	35	32	8	–	<0800	–	0.0
Tynemouth	pmrrq/	impo	ff	Fefem	41	34	•	2	0.2	<0800	0130	•
Blacksod Point	p	p		p	52	44	•	5	1	1230	0430	•
Donaghadee	mrr.bc	bc	bm	bc bc	45	38	•	4	–	<0800	–	•
Birr Castle	oPR.b	bc	bcr	c	50	37	31	3	1	<0800	<2100	5.9
Baldonnell	c	b or bc	b or bc	b or bc	52	40	35	0.6	–	<0800	–	5.9
Holyhead	rroPop.c	c.bc.b	bc b	bc b	51	42	41	1	–	<0800	–	1.5
Liverpool (Bidston)	p	c	b or bc		46	36	31	0.5	–	1100	–	0.0
Chester (Shotwick)	ddd₀pd₀/o	bcim	bim	bim	47	33	29	1	–	<0800	–	•
Howden												
Spurn Head	p	r or d	f or m	b or bc	41	37	•	6	0.2	0900	<2100	0.0
Nottingham	r or d	r or d	f or m		45	29	28	1	–	0900	–	0.0
Cranwell	r or d	r or d	b or bcm	b or bc	42	34	31	2	–	0900	–	0.0
Gorleston	oo	r or d	oRR	oFFe	39	39	38	3	7	1230	<2100	0.0
Pulham	r or d	r or d	f or m		41	39	35	5	5	1530	<2100	0.0
Felixstowe	r or d	r or d	F		41	37	35	2	5	0900	<2100	0.0
Valencia (Cahirciveen)	c.bc	bc.c	b bc.p	bbco	48	43	39	–	0.2	–	<2100	4.2
Roches Point	p	bc.p.b	c		49	45	•	1	trace	<0800	–	•
Pembroke (St. Ann's H.)	o.c.bc	b or bc	b or bc	b or bc	52	45	•	2	1	<0800	<2100	1.3
Ross-on-Wye	q/rr	o.c.bco	bm	bmbx	51	34	26	9	–	<0800	–	0.0
Benson	or₀	ovrr	o ,	b	47	31	21	3	–	<0800	–	•
S. Farnborough	d₀d₀rr	rrr₀r₀	f or m		47	29	29	5	trace	0900	–	0.0
London (Kew Obsy.)	od₀or	or.od₀o	oom	bFFe	47	36	32	3	0.2	<0800	–	0.0
Croydon	r₀d₀rr	od₀dm	od₀pmc	bbim	46	37	34	5	0.3	<0800	<2100	0.0
Clacton-on-Sea	oq.oqr		oqre	oqebm	44	38	35	3	4	0900	<2100	0.0
Shoeburyness	r or d	f or d	r or d		45	33	28	1	2	1230	<2100	0.0
Grain	r or d	r or d	r or d		44	34	27	0.4	2	<0800	<2100	0.0
Lympne	oqrod	omf	od₀d₀rrf	oqrrd	43	37	31	8	9	0900	<2100	0.0
Scilly (St. Mary's)	r or d	b or bc	cp₀	b or bc	53	48	•	–	0.4	–	<2100	2.9
Falmouth (Pendennis)	oqr.om	o.c.om	bcb	bbc	52	46	•	0.5	–	<0800	–	0.4
Plymouth (Cattewater)	oo	c	b or bc		53	35	•	2	–	<0800	–	0.0
Portland Bill	r or d	r or d	b or bc	b or bc	49	43	•	8	–	<0800	–	•
Southampton (Calshot)	r or d	r or d	p	F	49	34	31	6	0.1	<0800	<2100	0.0
Dungeness	r₀r₀	r or d	r or dm	f FF	46	39	•	5	7	–	<2100	•
Jersey	orr	orr.o	bcb	bcbfe	52	37	•	5	trace	0900	0130	0.0

ISALLOBARS

22nd JANUARY, 1922.

POSITION NUMBERS



Observations from Cross Channel Steamers.

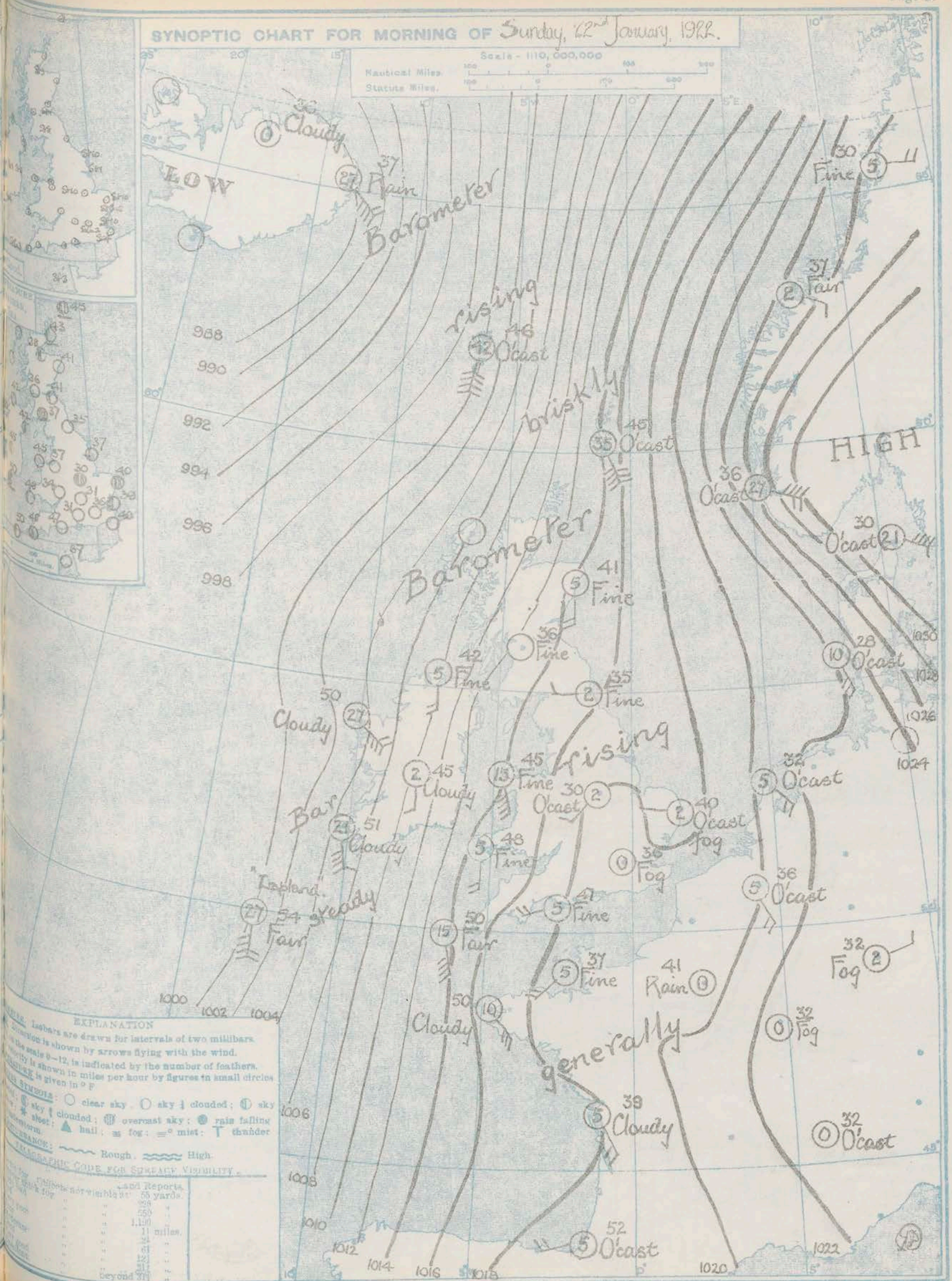
Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Barometer
2	21st 1000	Scotia	S	7	c	49	50	7
3	22nd 0300	Brighton	SW	1	bc/r	49	48	7

GENERAL INFERENCE.

There are indications of a new depression off S.W. Ireland which will probably move Northward. Southerly winds will be maintained with a moderately high temperature especially in the Western districts, where some rain is to be expected.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday, 22nd January, 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Light to moderate South or South-Easterly wind; fine at first, probably some rain on Monday; visibility moderate; temperature moderate to rather mild.	Unsettled, with Southerly winds and moderately high temperature.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Wind Southerly moderate to strong; cloudy to dull, some rain; visibility moderate; mild.	
9. N. Midlands 10. N.E. England 11. E. Scotland	As for 1 - 3.	
12. S.W. Scotland 13. Isle of Man 14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind Southerly moderate, freshening later; fine early, some rain later; visibility moderate; mild.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As for 4 - 8.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 1600 GMT. G. C. SIMPSON, F.R.S., Director.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION SUNDAY, 22nd JANUARY 1922. No. 22

Observations at 0100 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.§ 0-9	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1001.5	+4	SSE	8	odd	42	92	5	2500	Nb	10	-	10	*
Stornoway	997.2	+8	SSW	5	or+	*	*	4	*	*	*	*	*	*
Wick	1002.8	+6	S	7	b/r	43	92	7	-	-	0	-	0	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1000.9	+4	SSE	4	bc-	41	97	7	-	-	0	A.Cu	4	*
Renfrew														*
Edinburgh (Inchkeith)	1007.5	+7	SW	2	b	43	85	8	-	-	0	-	0	*
Eskdalemuir														*
Tynemouth	1010.2	+5	-	0	ff0	39	97	2	2500	St	10	-	10	*
Blacksod Point ...														*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1007.9	+6	SW	4	b-	42	85	8	-	-	0	-	0	*
Holyhead	1009.8	+5	SSW	3	bc+	*	*	7	2500	St.Cu	5	-	5	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1011.6	+3	S	3	b/f	40	97	5	-	-	0	-	0	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1013.6	+5	WSW	3	b	41	92	6	-	-	0	A.St	2	*
Gorleston	1013.9	+2	SW's	2	or	41	97	5	4000	Nb	10	-	10	*
Pulham														*
Felixstowe														*
Valencia (Cahirciveen)	1003.4	+3	SW	5	c/r	49	85	4	-	-	0	A.St	8	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St.Ann's H.)	1010.9	+4	SSW	4	b	48	85	8	-	-	0	-	0	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	1014.4	+5	S	2	c-	45	97	6	2500	St.Cu	3	Ci	8	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1014.3	+4	-	0	o/r	45	97	1	<150	St	10	-	10	*
Scilly (St. Mary's) ...	1011.7	+3	SW	3	b	50	97	7	4000	Cu	1	-	1	*
Falmouth (Pendennis)	1012.2	+8	W	3	b	48	85	7	*	*	*	*	0	*
Plymouth (Cattewater)														*
Portland Bill	1013.0	+2	SW	3	b	45	85	7	-	-	0	-	0	*
Southampton (Calshot)	1014.4	+5	-	0	mb+	42	97	4	-	-	0	-	0	*
Dungeness	1013.7	+3	SW	2	o+	47	97	6	1500	Nb	10	-	10	*
Jersey 7h }	1016.3	+3	WSW	3	b	47	92	8	-	-	0	-	0	*
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.§ 0-9	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1014.9	+8	SSE	7	o/r	45	92	6	-	-	0	A.St	10	*
Stornoway	1006.5	+9	SW	5	o/r	45	92	6	450	St	10	-	10	*
Wick	1010.9	+8	S	6	b+	43	92	8	-	-	0	A.Cu	5	*
Castlebay	1006.7	+3	S	4	bc-	47	92	6	2500	St.Cu	5	-	5	*
Nairn	1011.5	*	-	0	b	38	85	8	1500	St	3	-	0	*
Aberdeen	1014.7	+6	S	2	b-	41	97	5	-	-	0	-	0	*
Malin Head	1010.0	+4	S	2	b-	42	92	8	-	-	0	-	0	*
Renfrew	1012.3	+5	ANE	2	b	36	92	6	-	-	0	-	1	*
Edinburgh (Inchkeith)	1013.3	+5	SW	1	b	41	92	8	-	St	1	-	9	*
Eskdalemuir	1015.5	+6	-	0	0	37	92	6	1500	St	9	-	9	*
Tynemouth	1015.9	+4	W	1	b/f	35	97	4	-	-	0	-	7	*
Blacksod Point ...	1002.5	+4	SE'E	6	c+	50	92	5	-	Cu Nb	7	A.Cu	5	*
Donaghadee	1012.1	+3	SW	2	bc+	42	92	8	-	-	0	-	8	*
Birr Castle	1008.2	*	S	1	c+	45	92	3	2500	Nb	8	A.Cu	7	*
Baldonnell	1011.3	+3	S	4	c+	45	85	7	1500	St	5	-	0	*
Holyhead	1013.8	+3	SSE	4	b	45	97	8	-	-	0	-	0	*
Liverpool (Bidston) ...	1015.8	+3	SE'S	3	b-	37	92	8	-	-	0	-	0	*
Chester (Shotwick) ...	1014.8	+5	SE	3	b	34	97	6	-	-	0	-		*
Spurn Head	1017.6	+6	SSW	1	b	37	97	5	1500	St	1	-	1	*
Nottingham	1018.3	*	SW	1	FFo	30	97	0	<150	St	10	-	10	*
Cranwell	1017.8	+3	SW'W	3	b	36	97	6	-	-	0	-	10	*
Gorleston	1017.6	+4	W'N	1	FFo	40	97	1	1500	St	10	-	0	*
Pulham	1018.4	+5	-	0	ffb	37	97	2	-	-	0	-	6	*
Felixstowe	1019.3	+4	WNW	2	FFb	37	97	1	4000	St.Cu	3	A.Cu	9	*
Valencia (Cahirciveen)	1004.6	0	S'E	5	o+	51	75	8	1500	St.Cu	5	A.St	6	*
Roches Point	1009.3	+2	SSW	5	bc	50	92	7	1500	Nb	4	C.St	1	*
Pembroke (St.Ann's H.)	1016.5	+2	S	2	b	48	85	8	-	-	0	-	0	*
Ross-on-Wye	1017.5	+3	-	0	b	34	97	6	-	-	0	-	0	*
Benson...	1018.3	+3	-	0	b-	31	92	8	-	-	0	-	0	*
S. Farnborough ...	1018.5	+3	-	0	FFb	31	97	1	-	-	0	-	0	*
London (Kew Obsy.)...	1018.9	+5	-	0	FFo	36	97	0	-	-	0	-	3	*
Croydon	1018.8	+6	S	1	b	37	97	6	4000	St.Cu	2	Ci	5	*
Clacton-on-Sea ...	1017.9	+3	WNW	1	bc/r	39	97	2	-	-	0	A.St	10	*
Shoeburyness	1018.9	+4	-	0	FFo	35	85	1	<150	St	10	-	10	*
Grain	1017.3	+6	-	0	FFo	34	97	0	<150	St	10	-	4	*
Lympne	1018.9	+5	N	1	bff	37	97	6	-	-	0	A.St		*
Scilly (St. Mary's) ...	1018.5	+1	SSE	4	b	50	97	7	4000	St.Cu	3	-	3	4
Falmouth (Pendennis)	1016.0	+4	W	2	bc+	48	92	7	-	-	0	A.Cu	5	0
Plymouth (Cattewater)	1016.5	+3	NE	2	c+	38	97	7	-	-	0	A.Cu	7	5
Portland Bill	1016.6	+4	WSW	2	b	47	85	7	-	-	0	-	0	0
Southampton (Calshot)	1018.6	+3	-	0	fb+	37	97	2	-	-	0	-	0	0
Dungeness	1018.4	+4	-	0	fbc+	40	97	3	450	St	4	-	4	4
Jersey 7h }	1018.5	+1	SW	1	fmb+	37	92	3	1500	St	3	-	3	0
Guernsey 1h }														

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR... 21st

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 10h.-9h. 20th-21st mm.	Rainfall.† Day 9h.-17h. 21st mm.	Sunshine. Sunrise to Sunset 21st hr.	Sunshine. Sunrise to Sunset hr.
Banff	or q	r o	44	28	-	3	0.0	
Montrose	or	o	42	21	-	4	0.0	
Llandudno	r. or	cr	52	35	2	2	1.2	
Colwyn Bay ...	r. c. bc	bc	51	37	1	1	?	
Rhyl...	p	c	47	35	0.2	1	0.0	
Southport	b.	or. o	46	35	2	1	0.0	
Blackpool								
Harrogate	or	or	41	25	1	5	0.0	
Skegness	or	or	41	36	-	4	0.0	
Aberystwyth ...	r. o. c	c. o	51	38	2	-	0.0	
Bath	r	r. o	52	29	2	8	0.0	
Leamington Spa ..	o.	or	47	29	1	2	0.0	
Lowestoft	o	or	40	36	-	3	0.0	
Felixstowe	o2r	orr	41	37	-	2	0.0	
Southend	o	o	42	35	0.3	1	0.0	

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 10h.-9h. 20th-21st	Rainfall.† Day 9h.-17h. 21st	Sunshine. Sunrise to Sunset 21st	Sunshine. Sunrise to Sunset
Paignton	or q.	o. c. o. c	54	33	[illegible]	[illegible]	0.1	
Ilfracombe	o. or	o. cp	54	39	8	0.2	0.1	
Bude	o	o	54	?	4	-	?	
Penzance	o. c. bc	bc. bc	54	39	8	-	1.9	
Falmouth Observatory	o. c	c. bc	52	39	17	-	0.7	
Torquay	r	pc. bc	53	38	2	0.2	0.1	
Weymouth	rr	c. o	52	43	5	-	0.0	
Bournemouth ...	r	r	50	41	5	3	0.0	
Portsmouth (S'thsea)	or	or	48	42	2	6	0.0	
Worthing	r	r	47	42	2	4	0.0	
Brighton	r	r	47	43	2	5	0.0	
Eastbourne	r	r	46	41	2	8	0.0	
Hastings	or	or	45	41	1	6	0.0	
Folkestone							0.0	
Tunbridge Wells ...	od	or. od	46	38	.	5	0.0	
Ramsgate	o	o	40	38	-	1	0.0	
Margate	o	o	43	35	-	2	0.0	
Deal	od. o	rr	42	36	-	2		

* 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.21977 Monday, 23rd January 1922.

Observations at 1300 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§ 0-9	Height of Low Cloud Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1017.5	+4	S	6	o+	44	92	6	4000	Cu.Nb	9	–	9	*
Stornoway	1010.8	+3	S	5	b	48	85	8	–	–	0	Ci.St	2	*
Wick	1015.7	+4	SSE	4	b·	43	92	7	–	–	0	Ci.Cu	2	*
Castlebay	1010.1	+1	SE	6	mmo	48	92	6	1500	St	10	–	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1018.6	+4	S	2	b	44	85	5	–	–	0	–	0	*
Malin Head	1009.7	+1	S	4	c	42	97	8	4000	St	8	–	8	*
Renfrew	1016.4	+2	SE	4	bc-	44	85	6	1500	StCu	6	–	6	*
Edinburgh (Inchkeith)	1017.1	+4	SSE	1	bc/f	43	85	7	–	StCu	6	–	6	*
Eskdalemuir	1018.1	+2	S'W	1	o	41	85	7	1500	StCu	9	–	9	*
Tynemouth	1019.3	+2	WSW	1	fb	42	85	3	–	–	0	–	0	*
Blacksod Point	1003.6	+2	SE'S	7	bc+	52	97	8	–	Nb	6	–	6	*
Donaghadee	1014.6	+1	SSW	3	o+	48	92	8	5750	StCu	7	a.Cu	9	*
Birr Castle	1008.8	*	S	4	o+	50	85	7	2500	Cu	9	–	9	*
Baldonnell	1012.8	0	SE'S	4	o	51	75	7	2500	StCu	8	a.St	10	*
Holyhead	1016.2	+2	SSE	5	o	48	92	7	8000	StCu	3	a.St	9	*
Liverpool (Bidston)	1018.2	+2	SE'S	3	mb-	43	85	4	–	–	0	a.St	2	*
Chester (Shotwick)	1017.5	+2	SE	2	bc+	46	85	6	–	–	0	Ci	4	*
Spurn Head	1020.6	+3	SE	1	b	43	97	6	1500	St	1	–	1	*
Nottingham	1020.3	*	W	1	Fo+	31	97	0	<150	St	10	–	10	*
Cranwell	1020.7	+2	E'S	2	b	48	85	4	–	–	0	–	0	*
Gorleston	1020.3	+3	N	1	mb-	42	92	4	–	–	0	Ci.Cu	3	*
Pulham	1020.6	+2	–	0	b	47	92	6	–	–	0	–	0	*
Felixstowe	1020.8	+1	–	0	b/f	46	85	5	–	–	0	Ci.St	1	*
Valencia (Cahirciveen)	1003.9	-2	SSE	7	o+	52	75	8	2500	StCu	10	–	10	*
Roches Point	1010.1	0	SSE	5	o	51	92	6	800	St	5	Ci.St	10	*
Pembroke (St. Ann's H.)	1016.4	+1	SSE	4	c	49	92	7	–	–	0	Ci.St	8	*
Ross-on-Wye	1018.7	+1	S	2	b+	51	75	7	–	–	0	Ci	3	*
Benson	1020.3	+2	SSW	2	b	47	85	6	–	–	0	–	0	*
S. Farnborough	1020.8	+2	S'E	2	mmb	49	85	6	–	–	0	–	0	*
London (Kew Obsy.)	1021.2	0	–	0	Fb	43	97	1	–	–	0	–	0	*
Croydon	1020.5	+1	–	0	c/f	49	85	5	4000	Cu	1	Ci	8	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1020.8	+1	E	2	mb-	45	85	5	–	–	0	Ci	1	*
Deal	1021.1	+1	–	0	mb-	42	97	4	–	–	0	a.Cu	1	*
Lympne	1020.5	+1	ENE	2	b	49	75	6	–	–	0	Ci.St	1	*
Scilly (St. Mary's)	1014.3	+1	S'E	5	c	53	97	?	–	–	0	Ci.Cu	8	*
Falmouth (Pendennis)	1016.8	+2	S	6	o+	51	85	6	2500	St	3	a.Cu	10	*
Plymouth (Cattewater)	1018.4	+1	S	3	o	51	92	7	2500	StCu	6	a.Cu	10	*
Portland Bill	1018.0	+2	WSW	3	b	51	85	7	–	–	0	–	0	*
Southampton (Calshot)	1020.6	+1	ESE	1	fb-	47	92	3	–	–	0	–	0	*
Dungeness	1020.0	+2	N	1	b	48	85	7	–	–	0	–	0	*
Jersey	1020.0	0	SE	3	c/f	48	92	8	–	–	0	a.Cu	8	*

Observations at 1800 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§ 0-9	Height of Low Cloud Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1019.9	+4	S	6	c-	43	92	6	–	–	0	a.St	8	5
Stornoway	1011.1	+1	S	5	o+	48	75	7	450	St	10	–	10	4
Wick	1016.8	+1	SSE	5	bc+	43	97	7	–	–	0	Ci.Cu	3	4
Castlebay	1010.7	0	SE	7	mmo	48	85	5	450	St	10	–	10	8
Nairn	1016.9	*	SSE	1	bc+	39	85	8	1500	St	6	–	6	*
Aberdeen	1021.1	+3	S'E	3	o+	41	97	4	800	St	10	–	10	4
Malin Head	1009.0	0	SSE	3	o+	48	97	8	5750	StCu	9	–	9	1
Renfrew	1018.0	+2	ENE	1	o	41	85	5	1500	StCu	8	a.St	10	*
Edinburgh (Inchkeith)	1018.8	+3	SE	1	o	40	92	8	–	St	2	Ci.Cu	9	1
Eskdalemuir	1019.8	+2	–	0	bc+	38	85	7	–	–	0	a.St	5	*
Tynemouth	1020.9	+2	SW	1	b/f	39	92	4	–	–	0	a.Cu	2	0
Blacksod Point	1001.6	-3	SSE	8	o+	53	65	5	–	StCu	9	–	9	7
Donaghadee	1014.8	+1	S	3	o-	48	85	8	5750	StCu	9	–	9	5
Birr Castle	1008.8	*	S	4	o	50	85	6	2500	Cu	9	–	9	*
Baldonnell	1012.2	0	SSE	5	o	50	75	7	2500	Cu	4	a.St	9	*
Holyhead	1016.3	0	SE'S	5	o	47	85	7	7250	StCu	4	a.St	10	1
Liverpool (Bidston)	1019.5	+2	SE	3	mmbc	41	92	4	2500	St	2	a.St	5	3
Chester (Shotwick)	1018.2	0	SSE	1	bc-	37	97	3	–	–	0	a.St	4	*
Spurn Head	1021.6	+1	SE	3	Fo	39	97	1	450	St	10	–	10	2
Nottingham	1021.7	*	–	0	o	28	97	0	<150	St	10	–	10	*
Cranwell	1022.6	+2	ESE	2	FFb	38	97	1	–	–	0	–	0	*
Gorleston	1023.5	+2	NE	2	mo-	40	97	5	800	St	10	–	10	0
Pulham	1022.0	+1	E	2	Fb	37	97	1	–	–	0	–	0	*
Felixstowe	1023.2	+1	E'N	3	FFo	36	97	1	225	St	10	–	10	0
Valencia (Cahirciveen)	1004.0	+1	SSE	7	o	52	75	8	1500	StCu	10	–	10	6
Roches Point	1010.4	+1	SSE	6	c-	50	92	8	800	St	6	Ci.Cu	7	7
Pembroke (St. Ann's H.)	1016.3	0	SE	4	c	48	92	7	–	–	0	Ci.St	8	4
Ross-on-Wye	1020.2	+2	SE'S	1	bc	43	92	6	1500	St	5	–	5	*
Benson	1021.8	+1	–	0	iFo	38	92	1	–	St	10	–	10	*
S. Farnborough	1021.7	+1	SSE	1	ffb	38	97	3	–	St	1	–	1	*
London (Kew Obsy.)	1021.8	+1	SE	1	FFo	34	97	0	<150	St	10	–	10	*
Croydon	1021.6	+1	SSE	1	b/f	39	97	4	–	–	0	–	0	*
Clacton-on-Sea	1022.2	+2	ENE	3	Fo+	36	97	1	<150	St	10	–	10	0
Shoeburyness	1022.4	+1	E	1	fo+	37	92	2	800	St	10	–	10	4
Deal	1022.7	+2	E	1	Fo+	37	97	1	<150	St	10	–	10	0
Lympne	1022.1	+2	NE	2	b	38	97	4	–	–	0	a.St	1	*
Scilly (St. Mary's)	1014.6	0	SSE	6	bc-	50	97	7	800	St	1	a.Cu	5	6
Falmouth (Pendennis)	1016.3	0	S	6	o	50	75	6	2500	St	3	a.St	10	3
Plymouth (Cattewater)	1018.0	0	SE	2	o	48	97	7	–	–	0	Ci.St	10	0
Portland Bill	1018.8	+1	SSE	3	b	48	85	6	–	–	0	–	0	5
Southampton (Calshot)	1021.5	+1	ESE	2	fbr	41	97	2	–	–	0	Ci	2	0
Dungeness	1021.4	+2	E	2	b/f	43	97	6	–	–	0	–	0	3
Jersey	1019.6	0	SE	2	b	44	85	6	–	–	0	a.Cu	1	0

London Observations

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. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 6h. G.M.T. % (To-day)
	24 Hours ended 0900 G.M.T. 23rd										
Kew	bc bc	bc bmbf	of o mw	*	*	33	0.1	tr	3.1	*	*
Croydon (24 hours ended 0700)	b/fc bc	bmbf	bcfcd	*	*	29	–	tr	6.0	*	*
Greenwich (Royal Obsy.)	f	om b	bo d	42	33	29	–	0.3	2.9	91	90
City (Bunhill Row)	*	*	*	*	*	*	*	*		*	*
Westminster (St. James' Pk.)	*	*	*	41	32	29	–	0.2	0.0	94	85
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*		*	*
Camden Sq. (Brit. Rainfall)	–	–	*	40	34	29	–	0.3	*	–	98
Kensington Palace	of	of	*	44	34	29	–	0.4	*	102(18h)	96
Hampstead Observatory	*	*	*	43	34	27	–	tr	3.6	*	98

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.

Solar Radiation. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total .... joules

Average Rate .... Milliwatts.

Maximum Rate .... Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from 22nd 17h 30m to 23rd 06h 45m.

Stars.	Exposure. h. m.	Record. h. m.	
Polaris	13 15	2.10	15
δ Ursae Minoris	13 15	1.20	10

Radio Disturbances (Atmospherics) at Croydon.†

Time.	Type.	No. per 5 sec.	Stren.	Direc.
13h.	C1C2	8	–	180°
18h.	C1C2	7	–	170°
21h.	C1C2	7	–	55°
07h.	C1C2	8	–	160°

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom.

23rd & 24th January 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.50 / 7.49	12.5 / 12.5	4.20 / 4.21
Greenwich	7.53 / 7.52	12.12 / 12.12	4.31 / 4.32
Wick	8.39 / 8.38	12.24 / 12.24	4.9 / 4.11
Valencia	8.36 / 8.35	12.53 / 12.53	5.10 / 5.11

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow. t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.
jp precipitation within sight.

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, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 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

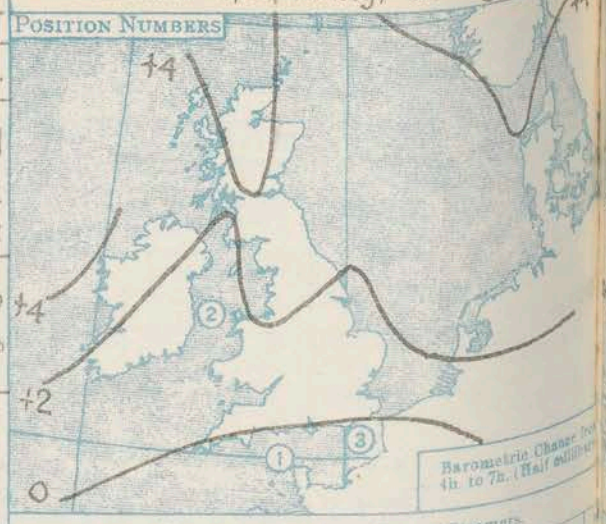
§ For explanation, see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. † For code see page 3.

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS

STATIONS.	WEATHER. 7h.-13h. 22nd	WEATHER. 13h.-18h. 22nd	WEATHER. 18h. to 1h. 23rd	WEATHER. 1h.-7h. 23rd	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. Hours.
Lerwick	c	oo	oo	oo	45	40	*	–	–	–	–	*
Stornoway	b. bc	c	c	c	48	45	*	0·2	–	–	–	4·7
Wick	bor bc	bor bc	oo	oo	44	41	*	–	–	–	–	*
Castlebay	bcom	om	omoco	om	48	47	*	–	–	–	–	0.5
Nairn	bor bc	bor bc	c		44	32	*	–	–	–	–	5·8
Aberdeen	bm	bmom	omq		44	40	39	–	–	–	–	4·5
Malin Head	c	oo	oo	c	48	46	*	*	–	–	–	0·3
Renfrew	cmx.bc	om	bm		45	35	33	–	trace	–	–	3·6
Edinburgh (Inchkeith)	c	c	c	oo	47	36	32	–	–	–	–	*
Eskdalemuir	cp.c.o	bor bc	bcc		[illegible]	32	[illegible]	0·1	–	0900	–	1·0
Tynemouth	b FF	fefem	fefe	bbcim	42	38	*	trace	trace	–	–	*
Blacksod Point ...	p	p	p	p	53	47	*	?	?	1730	0630	*
Donaghadee	cmq	om	om	bcm	49	44	*	–	–	–	–	*
Birr Castle	co	co	co	co	50	48	43	–	–	–	–	0·0
Baldonnell	oo	o.oq	ocqim	oo	51	45	42	–	–	–	–	0·2
Holyhead	bc.o	oo	oc.b	bco	49	40	37	–	–	–	–	0·6
Liverpool (Bidston) ...	for m	form	for m		45	34	31	–	–	–	–	5·7
Chester (Shotwick) ...	b.bcim	bcmf	bcfom	odm	46	35	33	–	trace	–	0130	*
Howden												
Spurn Head	bor bc	b or bc	F	xord	44	38	*	0·2	0·2	–	0230	6·4
Nottingham	Fx	fex	for m		31	27	28	–	0·6	–	0330	0·0
Cranwell	bcbcmm	bor bc	fe	idd	49	31	28	–	0·4	–	2400	6·7
Gorleston	for m	offe	for m	oo	43	38	37	0·4	–	–	–	2·3
Pulham	for m	for m	oo		51	37	36	–	–	–	–	5·0
Felixstowe	for m	F	b or bc		47	35	35	–	–	–	–	4·7
Valencia (Cahirciveen)	o	o	odo	orogq	53	51	48	–	1	–	<2100	0
Roches Point	oo	oo	oo		52	50	*	–	–	–	–	*
Pembroke (St. Ann's H.)	o	c	bor bc	c	50	44	*	–	–	–	–	0·8
Ross-on-Wye	if bmd	bc.c.o.b	bccb	bmcom	52	35	31	trace	–	–	–	5·9
Benson	bFe	F	bfe	of	48	29	23	0·1	0·1	–	<2100	*
S. Farnborough ...	for m	for m	ff		52	28	24	trace	trace	–	–	5·7
London (Kew Obsy.) ...	bfe of	bfmifofq	off	afoimo	48	33	33	0·1	trace	–	–	3·1
Croydon	b.of.cmc	bcmbf	bmFeqoimfemq		54	33	29	–	trace	–	0630	6·0
Clacton-on-Sea ...	bcm	of	of	ofog	46	35	35	–	–	–	–	5·7
Shoeburyness	for m	form	for m		49	36	36	trace	0·2	–	<2100	4·3
Grain	F	ff F	Fe	m m	46	36	33	–	trace	–	–	5·3
Lympne	bcbmmm	bim	bbcimf	omd.dq	49	35	32	–	trace	–	–	6·2
Scilly (St. Mary's) ...	c	c	bor bc	c	53	47	*	–	–	–	–	1·5
Falmouth (Pendennis.)	bc.o	o	obcb	bco	51	45	*	–	–	–	–	0·0
Plymouth (Cattewater)	oo	oo	c		53	44	40	–	–	–	–	2·0
Portland Bill	bor bc	bor bc	bor bc	oo	51	43	*	–	–	–	–	*
Southampton (Calshot)	F	form	F	c	47	35	31	–	–	–	–	3·4
Dungeness	bor bc	Fim	Ff f	Fo To	48	41	*	–	0·1	–	0430	*
Jersey	bfebo	o.c.b	bmco	afim	49	38	*	–	–	–	–	2·8

ISALLOBARS. 0700, Monday, January 23rd.



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea
2	22nd-1000	Scotia	SSE	6	bc	49	49
3	23rd-0300	Shton	SW	1	bc/r	49	48

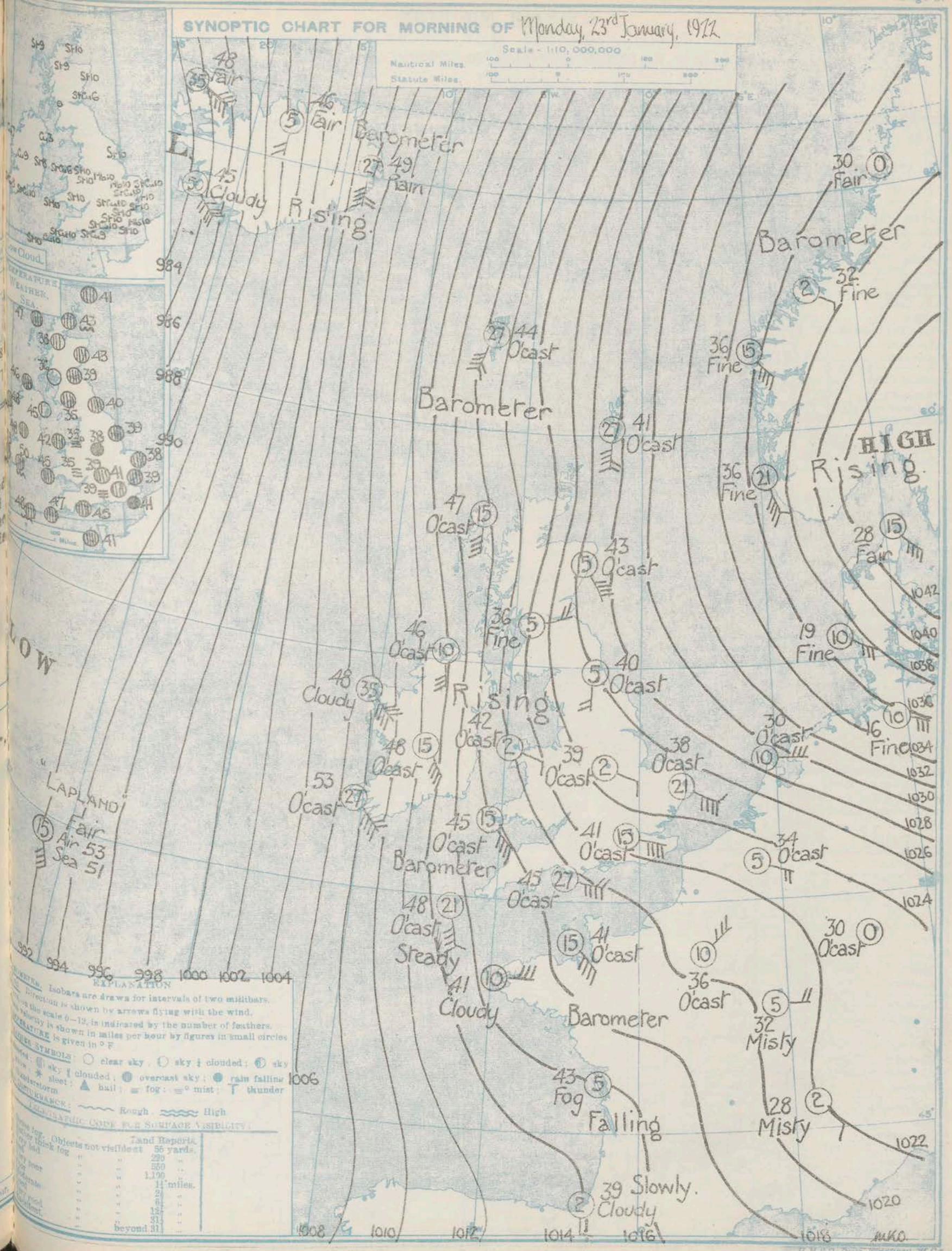
GENERAL INFERENCE.

A large anticyclone centred over Finland and the Baltic and extensive depression off the West of Ireland will cause winds between South and East, with a good deal of cloud generally, and some rain or drizzle.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Monday, 23rd January, 1922.	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	Wind between East and South-East, moderate or fresh; much cloud generally, some mist and drizzle; visibility indifferent to fair; temperature moderate to rather low.	Becoming colder, with a wind between East and South-East.
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind South or South-East, moderate, mainly cloudy or overcast, some mist and drizzle; temperature falling somewhat later.	
~~17. N.W. Ireland~~ 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind South-Easterly moderate or fresh, strong locally; mainly overcast; moderate temperature.	

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



EXPLANATION

ISOBARS. 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.

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; thunderstorm.

DISTURBANCE: Rough; High.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

		Land Reports.
Dense fog. Objects not visible at		55 yards.
Very thick fog	"	220 "
Thick fog	"	550 "
Fog	"	1,100 "
Moderate fog	"	1¼ miles.
Mist	"	2½ "
Very good	"	6½ "
Moderate	"	12½ "
Good	"	31½ "
Very good	"	beyond 31 "
Excellent	"	

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. MONDAY 23RD JANUARY 1922. No. 23.

Observations at 0100 G.M.T. 23rd

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	Height of Low Cloud Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea 0-9
Lerwick	1024.9	+3	S	8	0	43	92	5	*	-	0	A.Sr	10	*
Stornoway	1014.7	+4	S	3	0	*	*	5	*	*	*	*	*	*
Wick	1020.1	+2	SSE	8	0	42	92	7	800	Sr	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1011.5	+3	SSE	3	0	47	97	8	-	-	0	ASr	9	*
Renfrew														*
Edinburgh (Inchkeith)	1021.8	+3	SE	1	mb	38	92	6	-	-	0	-	0	*
Eskdalemuir														*
Tynemouth	1024.1	+2	S	1	mo-	38	97	4	-	-	0	ASr	10	*
Blacksod Point														
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1015.3	+2	SE	5	c-	48	75	6	1500	SrCu	7	-	7	*
Holyhead	1018.1	+2	SE'S	4	b	*	*	7	-	-	0	A.Sr	3	*
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1023.6	+2	SE	3	0	38	97	6	450	Sr	10	-	10	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1024.5	+2	E'S	3	odd	33	97	2	225	Sr	10	-	10	*
Gorleston	1022.9	0	SE	3	0	39	97	5	1500	Sr	10	-	10	*
Pulham														*
Felixstowe														*
Valencia (Cahirciveen)	1004.4	-1	S	6	or	51	85	5	-	CuNb	10	-	10	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1017.4	+1	SE	4	b	47	85	7	-	-	0	-	0	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	*	*	*	*	*	41	*	*	*	*	*	*	*	*
Croydon	1022.6	0	-	0	0+	39	97	6	2500	Sr.Cu	7	A.Sr	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1022.1	0	SE	4	o/f	41	97	5	450	Sr	10	-	10	*
Scilly (St. Mary's)	1014.9	0	SSE	6	b	49	97	7	4000	Cu	2	-	2	*
Falmouth (Pendennis)	1017.2	0	SSW	6	b	49	85	7	5750	Cu	3	-	3	*
Plymouth (Cattewater)														*
Portland Bill	1018.8	0	SE	6	b	46	85	6	-	-	0	-	0	*
Southampton (Calshot)	1021.8	0	ENE	3	bc/f	41	97	6	1500	Sr	5	-	5	*
Dungeness	1022.1	+1	E	2	o/f	43	97	4	450	Sr	10	-	10	*
Jersey 7h / Guernsey 1h	1020.3	0	ESE	4	fo	45	97	2	450	Sr	10	-	10	*

Observations at 0700 G.M.T. 23rd

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	Height of Low Cloud Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea 0-9
Lerwick	1027.7	+2	S	6	0	41	85	6	-	-	0	A.St	10	5
Stornoway	1017.4	+3	S	4	0	47	85	6	800	St	9	-	9	4
Wick	1022.9	+4	SSE	7	0	43	92	7	800	St	10	-	10	7
Castlebay	1016.3	+1	SE	6	mmo	47	85	6	800	St	10	-	10	7
Nairn	1021.7	*	-	0	0	35	85	7	1500	St	9	-	9	*
Aberdeen	1026.3	+3	SE'S	4	0	43	92	5	2500	St	10	-	10	4
Malin Head	1013.4	+3	SSE	3	0-	46	97	8	-	-	0	A.St	9	1
Renfrew	1022.5	+2	ENE	2	b	36	92	4	-	-	0	-	0	*
Edinburgh (Inchkeith)	1023.9	+3	SE	2	0	39	92	7	-	-	0	A.St	10	2
Eskdalemuir	1024.3	+3	ENE	3	0	35	92	6	-	-	0	A.St	10	*
Tynemouth	1025.4	+2	S	2	0	40	92	6	-	-	0	A.St	10	0
Blacksod Point	1007.9	+4	SE	7	c+	48	92	5	-	Cu	7	-	7	7
Donaghadee	1018.7	+2	SSE	3	b+	45	92	?	5750	Cu	3	-	3	4
Birr Castle	1012.7	*	SE	4	0	48	92	5	2500	Cu	9	-	9	*
Baldonnell	1016.9	+1	E	4	0	45	85	7	800	St	8	A.St	10	*
Holyhead	1019.2	0	SE'E	1	0	42	75	8	5750	St.Cu	6	A.Cu	9	1
Liverpool (Bidston)	1022.8	+2	ESE	5	ma-	35	92	4	1500	St	10	-	10	4
Chester (Shotwick)	1022.2	+3	SE	4	od	35	97	4	800	St	10	-	10	*
Spurn Head	1025.3	+2	SE	3	o/r	39	97	6	1500	St	10	-	10	2
Nottingham	1024.5	*	ENE	2	odd	38	?	5	-	Nb	10	-	10	*
Cranwell	1024.9	+1	E	3	od.d	38	97	4	800	Nb	10	-	10	*
Gorleston	1025.0	+2	ESE	5	0	38	92	6	-	St.Cu	10	-	10	4
Pulham	1023.2	0	ESE	4	0	37	97	5	4000	St.Cu	10	-	10	2
Felixstowe	1024.1	0	ENE	5	bc+	38	92	7	4000	St.Cu	4	-	4	6
Valencia (Cahirciveen)	1007.6	+2	SE	6	o/r	53	75	8	1500	St.Cu	8	A.St	9	7
Roches Point	1012.3	+1	SSE	6	0	50	92	6	800	St.Cu	10	-	10	4
Pembroke (St. Ann's H.)	1017.3	0	SE	4	o+	45	85	7	1500	St	10	-	10	*
Ross-on-Wye	1022.2	+1	E'N	2	ffo	36	97	3	225	St	10	-	10	*
Benson	1022.4	-1	ESE	1	o/f	39	92	6	-	St.Cu	10	-	10	*
S. Farnborough	1022.4	0	E	2	ffo	39	97	3	800	St	10	-	10	*
London (Kew Obsy.)	1022.7	0	E'S	4	o/f	41	97	6	1500	St	10	-	10	*
Croydon	1022.4	0	ENE	3	od.d	39	97	4	450	St	10	-	10	*
Clacton-on-Sea	1023.0	0	ENE	4	o/f	39	92	5	1500	St	10	-	10	0
Shoeburyness	1023.1	0	E	3	ffo	39	85	3	1500	St	10	-	10	*
Grain	1023.3	0	ENE	4	mo-	39	92	4	1500	St	10	-	10	3
Lympne	1022.0	+1	E	5	od.d	38	97	4	450	Nb	10	-	10	*
Scilly (St. Mary's)	1014.9	0	SSE	5	0	48	97	7	1500	St	10	-	10	6
Falmouth (Pendennis)	1016.9	0	SE	6	0	49	75	7	4000	Cu	10	-	10	2
Plymouth (Cattewater)	1018.1	0	ESE	3	0	46	85	7	2500	St.Cu	10	-	10	0
Portland Bill	1018.8	0	E'S	6	0	45	85	6	1500	St.Cu	9	-	9	4
Southampton (Calshot)	1021.5	0	E	4	0	42	92	7	2500	St.Cu	10	-	10	5
Dungeness	1021.5	0	E	4	o/f	41	97	6	800	St	10	-	10	4
Jersey 7h / Guernsey 1h	1018.6	0	ESE	4	0	41	92	8	2500	St.Cu	10	-	10	0

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 22ND JANUARY

Stations	Weather Fore-noon	Weather After-noon	Temperature Max. Day °F.	Temperature Min. Night °F.	Rainfall† Night 18h.-9h. 21st-22nd mm.	Rainfall† Day 9h.-18h. 22nd mm.	Sunshine Sunrise to Sunset 22nd hr.	Sunshine Sunrise to Sunset hr.
Banff	b.	b.bc.c	42	35	3	-	5.4	
Montrose								
Llandudno	c	c	50	40	-	-	4.0	
Colwyn Bay	bc	bc	49	37	-	-	3.6	
Rhyl	bc	bc	50	?	-	-	4.3	
Southport	b	b.bc.b	45	35	-	-	4.6	
Blackpool								
Harrogate	bm	bm	47	30	-	-	5.0	
Skegness	bm	bm	45	34	2	-	6.6	
Aberystwyth	o.c.b	c.o	50	40	-	-	3.0	
Bath	bc.	bc	52	38	-	-	5.1	
Leamington Spa	of.c.bc	bc.of	43	36	7	-	2.9	
Lowestoft	bcf	f	46	34	7	-	5.0	
Felixstowe	f	b	48	33	1	-	4.0	
Southend								
Paignton	bcf.o	c.obc	52	34	-	-	0.1	
Ilfracombe								
Bude	c	b	57	31	-	-	1.9	
Penzance	o.c	bc.c	53	44	0.2	-	1.0	
Falmouth Observatory	o.c.	c.o	52	43	-	-	0.0	
Torquay	mc bc	c.o.c.o	52	37	-	-	3.0	
Weymouth	f.b	bp.b	52	35	-	0.1	5.2	
Bournemouth	f	f	48	31	5	-	0.0	
Portsmouth (S'thsea)	b	bcf	51	35	0.4	-	5.6	
Worthing	fb	f	49	34	3	-	6.9	
Brighton	f.bc	bcf	47	37	1	-	5.9	
Eastbourne	b	b	52	36	4	-	7.4	
Hastings	f	bf	51	43	4	-	7.2	
Folkestone	bc.bm	b.bm	52	40	9	-	5.0	
Tunbridge Wells	f.b	b.bm	51	34	1	-	6.8	
Ramsgate	f	f	43	36	7	-	4.2	
Margate	fr.bc	bfe	42	38	5	-	4.0	
Deal	f bc.b	b.bcf	46	39	4	trace	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. 21,978 TUESDAY 24th JANUARY 1922.

Observations at 1800 G.M.T. 23rd

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	Height of Low Cloud. Feet	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1030·8	+3	SSE	6	od	39	92	5	2500	Nb	10	-	10	*
Stornoway	1020·4	+3	SE	3	bc	46	85	6	4000	Cu	3	A Cu	6	*
Wick	1026·0	+3	SSE	7	o	44	92	6	800	St	10	-	10	*
Castlebay														*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1028·5	+1	SE'S	5	o	40	92	6	2500	St Cu	10	-	10	*
Malin Head	1017·0	+2	SSE	3	o	44	97	7	5750	St Cu	9	-	9	*
Renfrew	1024·2	+1	ENE	3	mo	42	85	4	1500	St	10	-	10	*
Edinburgh (Inchkeith)	1025·1	0	SE	3	o	40	97	7	+	St Cu	10	-	10	*
Eskdalemuir	1025·3	0	ESE	3	o	37	85	7	1500	St	10	-	10	*
Tynemouth	1026·4	0	SSE	4	od	39	92	6	2500	St	10	-	10	*
Blacksod Point	1011·4	+4	SE'E	6	o+	48	85	7	-	St	9	-	9	*
Donaghadee	1021·2	+1	SSE	4	o+	42	85	8	5750	St Cu	10	-	10	*
Birr Castle	1014·6	*	SE	3	c-	46	92	7	4000	St Cu	5	Ci Cu	7	*
Baldonnell	1018·2	0	ESE	5	o	43	75	7	1500	St Cu	6	A St	9	*
Holyhead	1020·0	0	-	0	bc	48	65	6	-	-	0	Ci Cu	4	*
Liverpool (Bidston)	1021·8	-2	E'S	3	o	40	85	5	1500	Nb	10	-	10	*
Chester (Shotwick)	1021·2	-2	SE	3	o	40	92	5	800	St	10	-	10	*
Spurn Head	1024·7	-1	SE	4	o	37	97	6	2500	St	10	-	10	*
Nottingham	1025·7	*	E	3	od d	36	97	6	1500	Nb	10	-	10	*
Cranwell	1024·5	-2	ESE	4	o/r	34	97	6	450	St	10	-	10	*
Gorleston	1024·6	0	SE'E	5	o	35	92	6	2500	St	4	A St	10	*
Pulham	1023·8	-1	ESE	4	o	35	92	6	800	St	10	-	10	*
Felixstowe	1023·7	+3	E	4	o	35	85	6	800	St	10	-	10	*
Valencia (Cahirciveen)	1007·9	-1	SE'S	7	bc	52	75	8	2500	St Cu	3	A Cu	5	*
Roches Point	1013·5	0	SSE	7	o	48	85	7	2500	St Cu	10	-	10	*
Pembroke (St. Ann's H.)	1017·9	-1	ESE	4	c	43	92	6	-	-	0	A St	8	*
Ross-on-Wye	1020·6	-2	E	3	mo	40	92	6	800	St	10	-	10	*
Benson	1021·4	-2	E	3	o	37	85	5	+	St	10	-	10	*
S. Farnborough	1021·3	-1	ENE	4	mmo	37	92	4	800	St	10	-	10	*
London (Kew Obsy.)	1021·8	-2	E	4	mo	37	92	4	1500	Nb	10	-	10	*
Croydon	1021·9	-2	E'N	5	o/r	35	92	5	450	St	9	A St	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1022·5	-1	E'N	5	mmo	36	85	5	2500	St	10	-	10	*
Grain	1022·3	-2	E	5	o	36	85	5	1500	St	10	-	10	*
Lympne	1020·9	-3	ENE	5	o	35	85	6	800	St	10	-	10	*
Scilly (St. Mary's)	1014·6	0	SE'S	5	o	46	92	8	4000	St Cu	10	-	10	*
Falmouth (Pendennis)	1016·2	-4	SE	6	bc	48	75	7	4000	Cu Nb	5	-	5	*
Plymouth (Cattewater)	1017·2	-2	SE	5	od+	45	97	7	450	Nb	10	-	10	*
Portland Bill	1017·2	-2	E'S	6	o	45	85	6	450	St	10	-	10	*
Southampton (Calshot)	1019·9	-2	ENE	4	od+	44	92	6	1500	St	10	-	10	*
Dungeness	1020·7	-3	E	4	o/r	36	97	6	800	St	10	-	10	*
Jersey	1016·8	-1	ESE	4	o	45	85	8	1500	St	10	-	10	*

Observations at 1800 G.M.T. 23rd

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	Height of Low Cloud. Feet	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1032·6	+2	SSE	6	o/r	40	75	6	-	-	0	A St	10	6
Stornoway	1021·9	+1	SE	3	o+	44	92	6	800	St	10	-	10	3
Wick	1027·6	+1	SSE	7	o	41	92	6	800	St	10	-	10	7
Castlebay	1021·3	+2	SE	6	mmo	44	85	6	800	St	10	-	10	7
Nairn	1026·5	+	SSE	2	c	39	95	8	1500	St	4	A St	8	*
Aberdeen	1029·5	+1	SE'S	5	o	40	92	6	1500	Nb	10	-	10	4
Malin Head	1017·3	+3	SE'E	3	o	43	92	6	5750	St Cu	10	-	10	1
Renfrew	1024·9	0	E	5	o	39	85	5	1500	St Cu	10	-	10	*
Edinburgh (Inchkeith)	1026·2	+1	ESE	3	od d	37	97	7	+	Nb	10	-	10	3
Eskdalemuir	1025·6	0	E	4	o	34	92	6	800	St	10	-	10	*
Tynemouth	1026·7	0	SE	4	o/r	38	85	6	1500	St	8	-	8	4
Blacksod Point	1012·4	+2	SE	7	o+	46	75	5	—	St Cu	9	-	9	8
Donaghadee	1019·3	0	SSE	6	o	42	75	8	5750	St Cu	10	-	10	6
Birr Castle	1014·6	*	SE	3	o+	43	92	6	2500	St	9	-	9	*
Baldonnell	1017·8	-2	E'S	4	o+	42	85	6	1500	St Cu	10	-	10	*
Holyhead	1019·5	-1	ENE	5	o	41	85	6	1500	St Cu	10	-	10	1
Liverpool (Bidston)	1021·9	0	E'S	4	o	36	92	4	1500	Nb	10	-	10	6
Chester (Shotwick)	1021·2	0	SE	3	o	36	85	4	800	St	10	-	10	*
Spurn Head	1024·2	0	ESE	6	bc	36	92	7	4000	Cu Nb	5	-	5	7
Nottingham	1023·5	*	E	4	o/r	34	85	6	-	-	0	-	0	*
Cranwell	1024·2	0	E'S	4	o	33	85	6	800	St	10	-	10	*
Gorleston	1023·0	-1	ESE	6	b	35	92	7	5750	C	2	-	2	6
Pulham	1022·3	0	ESE	4	o	34	85	6	1500	St Cu	10	-	10	-
Felixstowe	1023·1	0	E	5	o	35	75	7	1500	St	10	-	10	4
Valencia (Cahirciveen)	1009·3	+2	SE'E	5	o+	48	75	8	1500	St Cu	7	A St	10	6
Roches Point	1012·6	-1	SSE	6	o-	48	85	7	1500	St Cu	9	-	9	7
Pembroke (St. Ann's H.)	1016·5	0	ESE	5	mmo	42	92	6	450	St	10	-	10	5
Ross-on-Wye	1020·5	0	E'N	3	mo+	35	85	4	450	St	10	-	10	*
Benson	1020·9	-1	E	4	o	34	85	5	+	St	10	-	10	-
S. Farnborough	1020·6	-1	E	3	mmo	33	85	4	1500	St	10	-	10	*
London (Kew Obsy.)	1021·0	-1	E	5	o	36	75	5	1500	St	10	-	10	*
Croydon	1021·0	-2	E'N	5	od	34	92	6	800	St	9	A St	10	*
Clacton-on-Sea	1021·8	0	ENE	4	o	36	75	5	1500	St	10	-	10	4
Shoeburyness	1022·2	0	E	5	mmo	35	75	6	2500	St	10	-	10	*
Grain	1021·8	0	E	5	o	35	75	5	1500	St	10	-	10	3
Lympne	1020·8	-1	E	5	o	32	92	6	800	St	10	-	10	-
Scilly (St. Mary's)	1013·0	-1	SE	5	c	46	97	7	4000	St Cu	8	-	8	7
Falmouth (Pendennis)	1013·7	-2	E	6	o+	47	85	6	4000	St Cu	10	-	10	7
Plymouth (Cattewater)	1015·4	-1	SE	2	od	45	97	7	450	Nb	10	-	10	*
Portland Bill	1015·8	-2	ENE	7	o	44	85	6	450	St	10	-	10	6
Southampton (Calshot)	1019·5	-1	ENE	4	od	37	92	6	1500	St	10	-	10	4
Dungeness	1019·9	0	E	5	o	34	97	7	800	St	10	-	10	5
Jersey	1015·4	-1	E	4	o	45	85	8	1500	St	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. 24th								Yesterday.		To-day.
Kew	om m d	mogo	oog og	*	*	29	Fr	-	0·0	*	*
Croydon } 24 hours ended 0700	od m	od m	od m ox	*	*	27	Fr	Fr	0·0	*	*
Greenwich (Royal Obsy.)	o	o	oox	39	27	28	-	-	0·0	89	62
City (Bunhill Row)	*	*	*	*	*	*	*	*	0·0	*	*
Westminster (St. James' Pk.)	*	*	*	41	28	28	-	-	0·0	90	82
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*	0·0	*	*
Camden Sq. (Brit. Rainfall)	o	og	*	39	27	26	-	-	*	92a	62
Kensington Palace	o	o	*	40	28	28	-	-	*	86 (1st)	76
Hampstead Observatory	*	*	*	38	26	25	-	-	0·0	*	95

Atmospheric Pollution. Milligrams of Solid impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 23rd

South Kensington: Max.	Time.	Min.	Time.
7 6 / 0·6	1300 22nd / 1000-1100 23rd	0·5	1400-1500 23rd

Kew Observatory: Max.	Time.	Min.	Time.
6 / 0·6	1700 22nd / 0900 23rd	0·3	0300 23rd

Solar Radiation. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total .... joules

Average Rate .... Milliwatts.

Maximum Rate .... Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from 23rd 17 h. 30 m. to 24th 06 h. 45 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	13·15	0·0	0
δ Ursae Minoris	13 15	0·0	0

Radio Disturbances (Atmospherics) at Croydon.†

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	-	7	-	85°
18h.	C, C1	7	-	165
01h.	C, C1	8	-	145°
07h.	C, C1	8	-	25°

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom.

24th & 25th JANUARY 1922

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7·49 / 7·48	12·5 / 12·5	4·21 / 4·22
Greenwich	7·52 / 7·51	12·12 / 12·12	4·32 / 4·33
Wick	8·38 / 8·36	12·24 / 12·24	4·11 / 4·13
Valencia	8·35 / 8·34	12·53 / 12·53	5·11 / 5·12

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow. t thunder.
v unusual visibility. y dry air.
z dust haze: the turbid atmosphere of dry weather.
jp precipitation within sight.

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

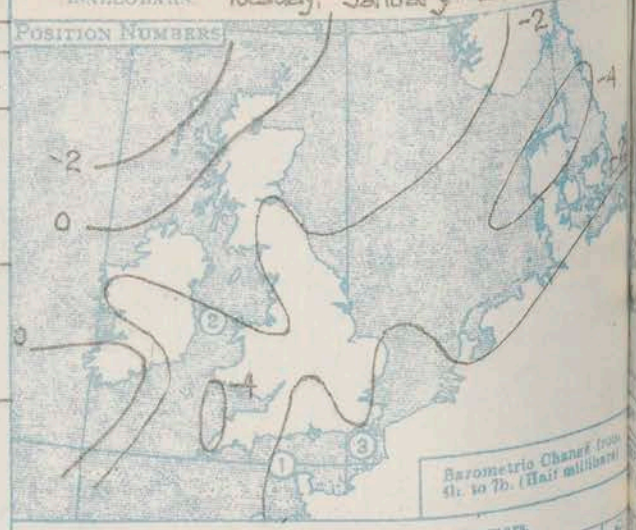
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

† For explanation, see 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. 23rd	Weather. 18h.-13h. 23rd	Weather. 18h.-1h.	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. Hours.
Lerwick	r. d	b. d	c	c	44	33	•	trace	–	<09.00	–	•
Stornoway	c	c	c	b or bc	49	35	•	–	–	–	–	0.9
Wick	oo	ow, m	c	oo	43	36	•	•	–	–	–	•
Castlebay	c	off	off	off b	47	37	•	–	–	–	–	0.0
Nairn	oo		oo		42	35	•	–	–	–	–	0.0
Aberdeen	oq m	oq b m	o m	o q	43	36	34	–	–	–	–	0.4
Malin Head	oo	oo	oq	cq	46	36	•	–	–	–	–	0.0
Renfrew	o f m	omq	bc m	o z q	42	34	33	trace	–	–	–	0.0
Edinburgh (Inchkeith)	oo	r. d	c	c	41	35	33	trace	–	16.30	–	•
Eskdalemuir	oo	oo b. o m	oo		38	30	28	trace	–	14.30	–	0.0
Tynemouth	m id	m id	b or bc	c m q	46	33	•	trace	–	<08.00	–	•
Blacksod Point ...	c	oo	c	oo	52	39	•	?	–	14.30	–	•
Donaghadee	omq	omq	c m q	bc m q	46	35	•	–	–	–	–	•
Birr Castle	c	c. d	o	cq	49	36	34	–	–	–	–	0.3
Baldonnell	oo	oo	or	bcq	45	34	33	–	trace	–	24.00	1.2
Holyhead	o. bc	bc. o	o b m	b or bc	48	31	31	–	–	–	–	3.0
Liverpool (Bidston) ...	oo	f. m	oo		40	29	28	–	–	–	–	0.0
Chester (Shotwick) ...	oo	oo	o m o	oo	40	31	28	–	–	–	–	•
Howden												
Spurn Head	oo	b. bc	oo	c	39	29	•	–	–	–	–	0.0
Nottingham	r. d	oo	c		38	27	28	0.2	–	<08.00	–	0.0
Cranwell	o id	oo	c	oo	39	27	27	0.1	–	<08.00	–	0.0
Gorleston	oo	o. c. bcq	c	oqoq	38	25	25	–	–	–	–	0.0
Pulham	oo	oo	oo		41	25	25	–	–	–	–	0.0
Felixstowe	oo	oo	c		38	27	27	–	–	–	–	0.0
Valencia (Cahirciveen)	o. c	bc. o. o	o	oomd	53	45	42	–	trace	–	0630	2.6
Roches Point	oo	oo	oo		50	43	•	–	–	–	–	•
Pembroke (St. Ann's H.)	c	o m	o m	oo	45	35	•	–	–	–	–	0.7
Ross-on-Wye	omp d	om	gom	gom	40	29	29	0.2	–	09.00	–	0.0
Benson	oo	oo	oo		40	28	28	trace	–	<08.00	–	•
S. Farnborough ...	f d	f. m	oo		39	28	28	trace	–	09.00	–	0.0
London (Kew Obsy.) ...	o m d m	mogo	oog	oq	41	29	29	trace	–	<08.00	–	0.0
Croydon	o d m	o d m	od m	oX	39	28	27	trace	trace	<08.00	<2100	0.0
Clacton-on-Sea ...	o gm		ogcm	cmog	39	28	27	–	–	–	–	0.0
Shoeburyness	f. m	f. m	oo		40	27	27	–	–	–	–	0.0
Grain	f. m	m	oo		39	27	27	–	–	–	–	0.0
Lympne	oo	om	o m q	o m q	38	26	26	trace	–	<0800	–	0.0
Scilly (St. Mary's) ...	oo	oo	c	p	49	45	•	–	0.5	–	0230	0.0
Falmouth (Pendennis)	o. bc	bc. c. o m	omd	omd	48	39	•	–	1	–	2400	1.1
Plymouth (Cattewater)	r. d	r. d	r w d		47	36	34	1	0.1	11.00	<2100	0.0
Portland Bill	oo	oo	oo	oo	46	39	•	–	–	–	–	•
Southampton (Calshot)	r. d	r. d	oo	oo	42	32	28	trace	0.1	09.00	<2100	0.0
Dungeness	r. m	oo m m	c m	c	39	26	•	trace	–	<08.00	–	•
Jersey	oo	f. m	o	o	46	38	•	–	–	–	–	0.0

ISALLOBARS. Tuesday, January 24th. 1922



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Pressure
2	23rd 2100	?	SE's	6	bc	46	48	8
3	24th 0300	Brighton	ESE	5	bc+	36	47	8

GENERAL INFERENCE.

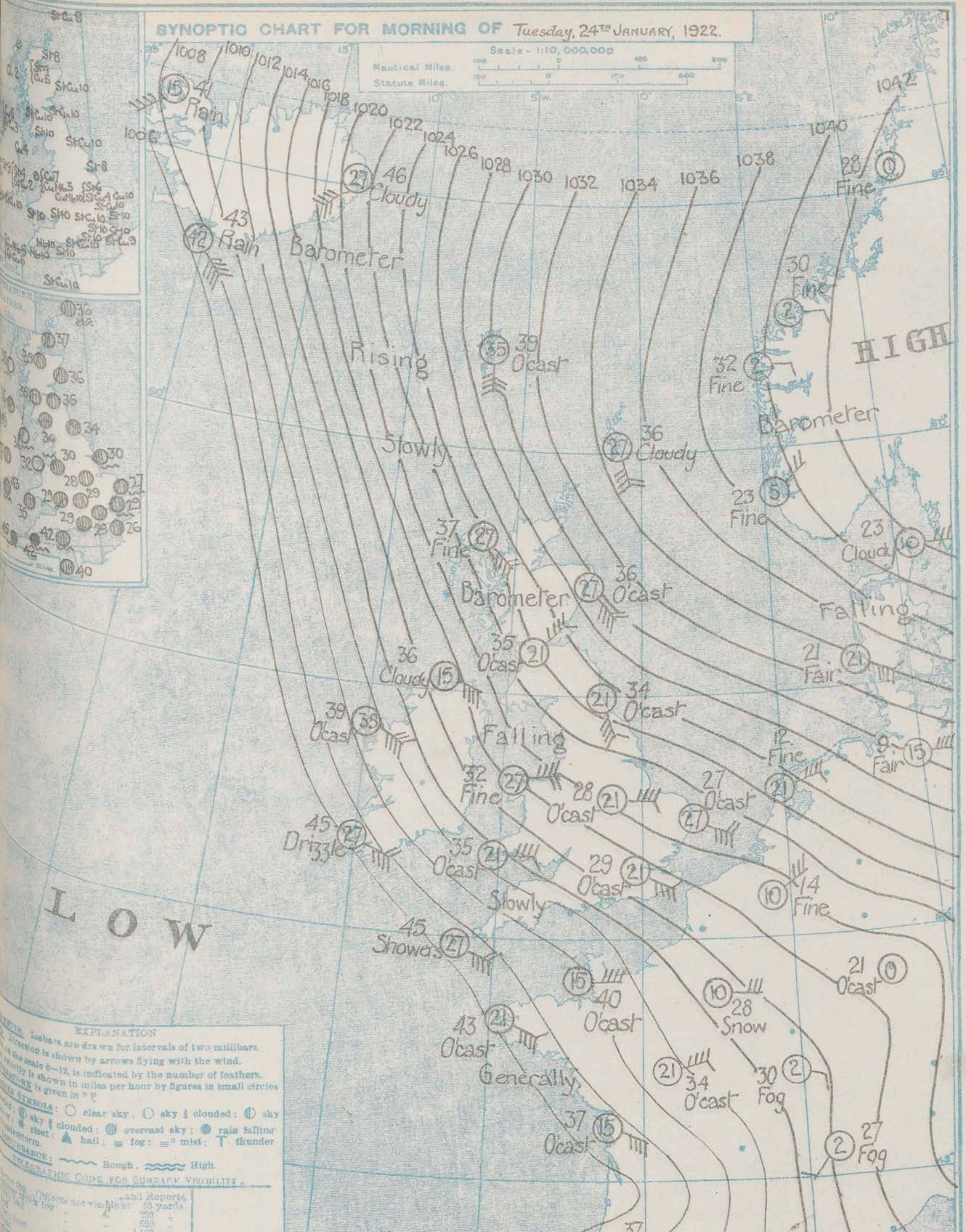
The large anticyclone over Scandinavia and the adjacent regions and low pressure to the South-Westward of the British Isles will cause the cold Easterly to South-Easterly wind to continue. Hard frost will prevail over the greater part of the Kingdom - probably for several days.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday, 24th January, 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind Easterly, fresh or strong generally; cloudy to fairer; very cold, severe frost in night. Visibility mainly fair.	Very cold weather, with Easterly wind, is likely to continue for the remainder of the week - perhaps longer over the greater part of England.
5. S.W. England 6. South Wales	Strong Easterly winds; much cloud, some drizzle or sleet; very cold.	
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Same as 1 - 4.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind South-Easterly, moderate to strong; overcast to cloudy or fair; very cold, sharp frost in night.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind between East and South-East, moderate to strong; cloudy or overcast, some local drizzle; very cold, frost in night.	

R.S.

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



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. TUESDAY, 24th JANUARY 1922. No. 24

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1035.3	+1	SSE	6	c	38	75	7	5750	St.Cu	7	-	7	•
Stornoway	1034.0	0	SSE	4	0+	•	•	•	•	•	•	•	•	•
Wick	1029.9	+1	S	7	0+	39	85	6	800	St	10	-	10	•
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	1019.6	0	ESE	4	bc-	39	92	6	4000	St.Cu	5	-	5	•
Renfrew														•
Edinburgh (Inchkeith)	1026.4	+1	E	4	bc	36	75	8	--	St.Cu	6	-	6	•
Eskdalemuir														•
Tynemouth	1026.9	0	SSE	5	bc	37	75	7	4000	Cu	4	-	4	•
Blacksod Point ...	1023.5	0	SE'E	5	0	44	92	?	-	St	9	-	9	•
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Baldonnell	1016.7	-1	E	5	0r.r.	38	92	6	800	Nb	10	-	10	•
Holyhead	1017.7	-2	E'N	6	b	•	•	7	-	-	0	-	0	•
Liverpool (Bidston) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Sholwick) ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	1023.1	-1	ESE	6	bc	32	92	7	1500	Nb	5	-	5	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	1023.4	-1	E'S	4	0	30	85	6	1500	St	10	-	10	•
Gorleston	1023.7	0	SE'	7	0+	30	85	7	-	-	0	A.St	10	•
Pulham														•
Felixstowe														•
Valencia (Cahirciveen)	1006.6	-1	SSE	5	bc+	47	78	7+	4000	St.Cu	5	-	5	•
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St.Ann's H.)	1015.2	-1	E	5	mbo	36	92	6	450	St	10	-	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	•	•	•	•	•	34	•	•	•	•	•	•	•	•
Croydon	1019.7	-2	E	4	0/r	32	75	7	1500	St	6	Ci	10	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	1019.0	-1	SE	6	0	31	97	7	800	St	9	-	9	•
Scilly (St. Mary's) ...	1020.1	-3	SE	5	b-	47	97	7	4000	Cu.Nb	3	-	3	•
Falmouth (Pendennis)	1022.5	-4	E	8	odd	46	85	6	4000	Nb	10	-	10	•
Plymouth (Cattewater)														•
Portland Bill	1025.0	-1	NE'E	7	0	43	85	6	450	St	10	-	10	•
Southampton (Calshot)	1017.4	-3	ENE	5	0	35	75	7	1500	St	10	-	10	•
Dungeness	1018.8	-1	E	4	bc	33	97	6	1500	St	6	-	6	•
Jersey 7h. } ... ... Guernsey 1h. }	1023.4	-2	E	5	0	42	92	7	4000	St	10	-	10	•

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1035.2	0	SSE	6	c	36	75	7	--	St.Cu	8	-	8	5
Stornoway	1023.6	+2	SE	6	b-	37	85	7	-	-	0	-	0	4
Wick	1024.2	-1	SSE	8	c	37	92	8	800	St	8	-	8	8
Castlebay	1021.1	0	SE	7	b/f	38	75	7	2500	Cu	2	-	2	7
Nairn	1024.4	•	SSE	3	0	35	75	8	1500	Cu	9	-	9	4
Aberdeen	1030.0	-1	SE	6	0	36	75	7	2500	St.Cu	10	-	10	1
Malin Head	1017.0	0	ESE	4	c+	36	97	8	4000	Cu	8	-	8	•
Renfrew	1024.1	-1	NE	5	0	35	?	6	2500	St.Cu	10	-	10	5
Edinburgh (Inchkeith)	1026.0	-2	E	5	0+	35	75	8	2500	St.Cu	10	-	10	•
Eskdalemuir	1024.2	-3	E'N	6	0	30	85	7	2500	St	10	-	10	5
Tynemouth	1025.5	-2	SSE	5	0	34	75	6	4000	St.Cu	10	-	10	5
Blacksod Point ...	1011.4	-2	SE'E	7	0	39	97	?	-	-	0	A.St	10	6
Donaghadee	1019.7	-1	SSE	6	bc-	36	75	8	4000	Cu	4	-	4	•
Birr Castle	1012.5	•	SE	4	0	37	92	3	2500	St	9	-	9	•
Baldonnell	1015.0	-2	E	5	bc+	35	75	7	1500	St	6	-	6	•
Holyhead	1016.8	-2	E'N	6	b	32	75	8	-	-	0	-	0	4
Liverpool (Bidston) ...	1018.9	-1	E	6	0	30	85	6	2500	Cu	10	-	10	6
Chester (Sholwick) ...	1018.3	-2	ESE	6	0-	31	65	7	1500	St	10	-	10	•
Spurn Head	1021.2	-3	ESE	7	c	30	97	7	1500	St	8	-	8	7
Nottingham	1020.3	•	E	5	0+	28	65	7	800	Cu.Nb	10	-	10	•
Cranwell	1021.6	-3	ESE	4	0	27	85	6	1500	St.Cu	10	-	10	4
Gorleston	1021.5	-2	ESE	6	0	27	75	7	5750	Cu	10	-	10	•
Pulham	1020.6	-3	E'S	5	0	26	97	5	1500	St.Cu	10	-	10	3
Felixstowe	1020.4	-2	E	6	0	27	97	7	1500	St.Cu	10	-	10	6
Valencia (Cahirciveen)	1006.0	0	E'S	6	od.	45	85	8	1500	St.Cu	10	-	10	6
Roches Point	1008.8	21	SE	6	0	43	92	7	1500	St.Cu	10	-	10	5
Pembroke (St.Ann's H.)	1014.9	-4	E	5	0/f	35	92	7	1500	St	10	-	10	•
Ross-on-Wye	1016.7	-2	E'N	5	0	29	75	6	1500	St	10	-	10	•
Benson	1017.5	-1	ENE	5	0	29	75	6	-	St.Cu	10	-	10	•
S. Farnborough ...	1016.9	-1	E	5	0	29	65	6	2500	St	10	-	10	•
London (Kew Obsy.) ...	1017.2	-1	ESE	4	0	29	75	5	1500	St	10	-	10	•
Croydon	1017.8	-2	E'N	5	0	28	85	7	1500	St.Cu	10	-	10	6
Clacton-on-Sea ...	1018.8	-2	ENE	5	0	29	85	7	2500	St	10	-	10	•
Shoeburyness	1018.5	-3	E	6	0	28	85	6	4000	St.Cu	10	-	10	6
Grain	1017.8	-2	ENE	6	0	28	85	6	1500	St.Cu	10	-	10	•
Lympne	1017.2	-2	E	5	0	26	92	6	800	St	10	-	10	7
Scilly (St. Mary's) ...	1006.7	-3	ESE	6	obr.	45	97	7	4000	Cu.Nb	10	-	10	5
Falmouth (Pendennis)	1008.0	-4	ENE	8	odd	42	85	6	4000	Nb	10	-	10	6
Plymouth (Cattewater)	1011.3	-3	ENE	3	odd	36	92	7	450	Nb	10	-	10	4
Portland Bill	1011.0	-4	NE	7	0	42	85	6	450	St	10	-	10	5
Southampton (Calshot)	1015.2	-2	ENE	6	0	32	75	7	2500	St.Cu	10	-	9	3
Dungeness	1016.5	-2	E	4	0+	26	97	7	4000	St.Cu	9	-	10	•
Jersey 7h. } ... ... Guernsey 1h. }	1009.8	-2	E	4	0	40	85	8	4000	St.Cu	10			•

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 23rd JANUARY

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 18h.-9h. 22°-23° mm.	Rainfall.† Day 9h.-18h. 23°-23° mm.	Sunshine. Sunrise to Sunset 23° hr.	Sunshine. Sunrise to Sunset hr.
Banff	0	od	42	40	-	-	0.0	
Montrose	0	0	42	38	-	-	0.0	
Llandudno	0	od.o	42	36	-	-	0.0	
Colwyn Bay ...	c.o	c	41	36	-	-	1.6	
Rhyl	c	c	40	36	-	-	0.0	
Southport	0	0	40	35	-	-	0.0	
Blackpool	0	0	40	36	-	-	0.0	
Harrogate	0	do	38	31	1	1	0.0	
Skegness	0	0	34	33	0.1	-	0.0	
Aberystwyth ...	0	0	43	38	-	-	0.7	
Bath	mo	0	42	38	-	-	0.0	
Leamington Spa ...	0	0	40	34	0.3	-	0.0	
Lowestoft	0	o.c	39	33	-	-	0.0	
Felixstowe	og	og	34	35	-	-	0.0	
Southend	b	b	38	34	0.1	-	0.0	
Paignton	og bg	og	47	44	-	-	0.0	
Ilfracombe	o	o	45	41	-	-	0.9	
Bude	c	c.od	46	41	-	-	0.0	
Penzance	o.c	o	48	46	-	-	0.5	
Falmouth Observatory	o.c	o	48	41	-	-	0.0	
Torquay	o	o	46	44	-	0.1	0.0	
Weymouth	oc	oc	43	39	-	-	0.0	
Bournemouth ..	o	o	41	31	0.3	-	0.0	
Portsmouth (S'thsea)	om	o	42	39	-	-	0.0	
Worthing	o	o	44	41	-	-	0.0	
Brighton	o	o	42	37	-	-	0.0	
Eastbourne .. .	do	o	43	39	0.1	0.1	0.0	
Hastings	oc	o	40	39	1	-	0.0	
Folkestone	o	o	45	35	-	-	0.0	
Tunbridge Wells ...	o	o	39	36	0.3	-	0.0	
Ramsgate	o	o	38	33	-	-	0.0	
Margate	o	o	44	39	0.1	-	0.0	
Deal	oc	oo	44	37	-			

* 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.21979 WEDNESDAY, 25th JANUARY 1922.

Observations at 1800 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	Height of Low Cloud Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea 0-9
Lerwick ...	1033.5	-3	SE	5	b.	37	65	7	4000	Cu	1	·	1	·
Stornoway ...	1023.7	0	ESE	6	bc+	38	75	7	4000	Cu	6	·	6	·
Wick ...	1027.7	-3	SE	8	o	37	85	8	4000	StCu	10	-	10	·
Castlebay ...	1020.0	-2	E	6	c+	38	75	7	1500	Sr	9	·	8	·
Nairn ...	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Aberdeen ...	1026.9	-4	ESE	5	o	33	75	7	2500	Nb	10	·	10	·
Malin Head ...	1015.6	-2	ESE	5	o+	35	97	7	4000	StCu	9	-	9	·
Renfrew ...	1021.7	-4	ENE	2	o.	34	65	6	2500	StCu	10	·	10	·
Edinburgh (Inchkeith)	1021.9	-5	ESE	5	ojf	34	92	8	-	StCu	9	-	9	·
Eskdalemuir ...	1021.2	-4	E'N	6	os°s°	25	65	7	1500	Nb	10	·	10	·
Tynemouth ...	1022.0	-4	ESE	5	os°	32	83	7	4000	Nb	10	-	10	·
Blacksod Point ...	1002.7	-4	ESE	6	c.	36	85	7	2500	Nb	8	·	8	·
Donaghadee ...	1017.8	+2	SSE	5	c+	33	65	8	4000	Cu	8	-	8	·
Birr Castle ...	1011.3	·	SE	3	o-	33	85	7	2500	Cu	10	·	10	·
Baldonnell ...	1028	-5	E	5	o	33	75	6	2500	StCu	10	·	10	·
Holyhead ...	1013.6	-5	E'N	7	b	32	75	7	2500	StCu	1	-	1	·
Liverpool (Bidston) ...	1012.3	-5	E	6	o	28	65	3	1500	CuN	10	·	10	·
Chester (Shotwick) ...	1015.6	-5	ESE	5	o+	29	75	8	2500	Sr	10	·	10	·
Spurn Head ...	1017.4	-4	E	7	os	28	97	7	5750	Nb	9	·	9	·
Nottingham ...	1017.1	·	E	5	cs°s°	27	65	7	800	CuNb	8	·	8	·
Cranwell ...	1018.6	-4	E	4	os°s°	25	97	5	800	Sr	10	-	10	·
Gorleston ...	1018.4	-3	SE'S	6	o	26	75	6	4000	CuN	10	·	10	·
Pulham ...	1017.6	-4	E'N	4	os°	24	97	6	1500	StCu	10	·	10	·
Felixstowe ...	1017.4	-4	E	5	ors°	25	75	7	1500	StCu	10	·	10	·
Valentia (Cahirciveen)	1003.2	-4	E	5	c+	43	75	8	1500	StCu	8	-	8	·
Roches Point ...	1005.2	-4	E	6	od°d	38	92	5	800	Nb	10	·	10	·
Pembroke (St. Ann's H.)	1004.8	-2	ENE	6	o	32	92	7	1500	Sr	10	·	10	·
Ross-on-Wye ...	1013.8	-4	ENE	5	o	27	55	7	2500	Sr	10	-	10	·
Benson...	1014.1	-3	ENE	5	os°	26	75	6	-	Sr	10	-	10	·
S. Farnborough ...	1013.8	-5	E	5	os°	27	75	6	2500	StCu	10	·	10	·
London (Kew Obsy.)...	1014.2	-3	ENE	5	os°	27	65	4	800	Nb	9	ASr	10	·
Croydon ...	1015.1	-3	E	5	os°s°	25	85	5	1500	StCu	10	-	10	·
Clacton-on-Sea ...	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Shoeburyness ...	1015.6	-4	NE	5	os°s°	25	75	5	2500	Nb	10	·	10	·
Grain ...	1015.1	-5	E	5	ors°	26	85	6	1500	Nb	10	-	10	·
Lympne ...	1013.8	-5	E'N	5	o	24	85	6	800	Sr	10	-	10	·
Scilly (St. Mary's) ...	1003.5	-3	ESE	7	o	45	97	7	4000	StCu	10	-	10	·
Falmouth (Pendennis)	1004.1	?	E	9	o	41	75	6	4000	StCu	10	-	10	·
Plymouth (Cattewater)	1007.4	-5	ENE	6	o	34	92	6	1500	Sr	10	-	10	·
Portland Bill ...	1008.1	-4	NE'N	8	o	36	85	6	450	Sr	10	·	10	·
Southampton (Calshot)	1012.2	-4	E'N	6	o	29	75	7	2500	StCu	10	-	10	·
Dungeness ...	1012.7	-3	E	5	c	25	97	6	2500	StCu	8	·	8	·
Jersey ...	1006.8	-2	E	5	bc+	37	85	8	4000	StCu	6	·	6	·

Observations at 1800 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	Height of Low Cloud Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea 0-9
Lerwick	1024.9	-4	E	4	c+	37	75	7	5150	StCu	7	-	7	3
Stornoway	1021.2	-2	ESE	7	o+	36	85	7	800	Nb	10	-	10	6
Wick	1024.5	-3	E	8	oh(r)	37	85	8	4000	StCu	10	·	10	7
Castlebay	1017.5	-2	E	5	o	37	65	6	800	CuNb	10	-	10	6
Nairn	1021.8	*	SE	4	c	33	92	8	4000	CuN	8	·	8	·
Aberdeen	1022.9	-4	ESE	5	o	34	65	7	2500	Nb	10	-	10	6
Malin Head	1013.0	-2	E	5	o	34	97	7	4000	StCu	10	·	10	4
Renfrew	1018.2	-3	ENE	5	bc	31	85	6	2500	StCu	4	Ci	6	·
Edinburgh (Inchkeith)	1017.5	-5	ESE	5	os	32	97	8	-	CuN	10	-	10	·
Eskdalemuir	1017.7	-3	ENE	4	bc	~~24~~ 25	75	6	2500	StCu	4	-	4	·
Tynemouth	1018.1	-5	E	4	o/s	32	75	6	4000	Nb	10	·	10	5
Blacksod Point	1001.9	-2	ESE	7	o+	34	75	3	-	StCu	10	-	10	8
Donaghadee	1014.8	-2	SE	6	o+	34	65	8	5150	StCu	10	-	10	6
Birr Castle	1007.7	·	ESE	3	c	31	97	6	2500	Sr	8	·	8	·
Baldonnell	1009.3	-4	ENE	5	o	31	75	7	1500	Sr	10	·	10	·
Holyhead	1009.8	-4	E'N	7	b	29	85	7	2500	StCu	1	-	1	6
Liverpool (Bidston)	1012.7	-3	E	5	o	27	85	6	2500	Sr	10	·	10	6
Chester (Shotwick)	1012.1	-4	SE	5	o	27	75	7	1500	Sr	10	·	10	·
Spurn Head	1013.7	-4	ESE	6	o	29	97	7	4000	Nb	10	·	10	6
Nottingham	1014.0	·	E	3	os	25	85	7	1500	Nb	10	·	10	·
Cranwell	1015.2	-3	E	4	os°s°	25	65	5	800	Sr	10	-	10	·
Gorleston	1015.4	-3	E'S	6	os°	27	97	7	4000	Nb	10	·	10	7
Pulham	1014.4	-3	E	4	o/s	24	85	6	1500	StCu	10	-	10	·
Felixstowe	1014.7	-3	ESE	3	o	27	75	7	1500	StCu	10	·	10	4
Valentia (Cahirciveen)	1001.6	-2	E	5	o+	38	85	7	1500	StCu	10	-	10	6
Roches Point	1003.3	-3	E	6	o	36	92	6	1500	Sr	10	-	10	7
Pembroke (St. Ann's H.)	1006.5	-2	ENE	6	o	29	92	7	1500	Sr	10	-	10	5
Ross-on-Wye	1010.9	-3	ENE	5	o	23	55	7	1500	Sr	10	-	10	·
Benson	1012.3	-3	ENE	4	o	24	75	6	-	Sr	10	-	10	·
S. Farnborough	1010.7	-3	E'N	4	mmo	26	75	6	2500	StCu	10	-	10	·
London (Kew Obsy.)	1011.0	-3	E	6	o	27	65	4	1500	Sr	10	·	10	·
Croydon	1012.1	-3	ENE	6	o/s	26	85	5	800	Sr	10	·	10	·
Clacton-on-Sea	1012.5	-3	ENE	4	o	28	85	6	2500	Nb	10	·	10	4
Shoeburyness	1012.0	-3	ENE	6	os	27	85	5	2500	StCu	10	·	10	3
Grain	1011.8	-2	E	6	os	27	75	6	1500	Sr	10	·	10	·
Lympne	1011.2	-3	E'N	6	o	24	85	6	800	Sr	10	-	10	·
Scilly (St. Mary's)	990.9	-3	ESE	8	o	45	97	6	4000	StCu	10	-	10	8
Falmouth (Pendennis)	1000.3	?	E	9	o	36	85	6	4000	StCu	10	-	10	7
Plymouth (Cattewater)	1003.7	-3	ENE	7	o	32	92	6	2500	Sr	10	-	10	0
Portland Bill	1006.0	-2	E'N	9	o	31	85	6	450	Sr	10	·	10	7
Southampton (Calshot)	1009.9	-2	E'N	6	o	27	75	7	2500	StCu	10	·	10	4
Dungeness	1010.5	-2	E	4	o	25	97	6	-	-	0	ASr	10	5
Jersey	1003.0	-2	E	5	bc+	37	85	8	4000	StCu	6	·	6	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	ogmmq	ogmsog	og, o/og	·	·	27	-	1	0.0	·	·
Croydon (24 hours ended 0700)	ox²zms	ohss	oh/ors	·	·	25	0.1	1	0.0	·	·
Greenwich (Royal Obsy.) ..	os°q	os°s°	o od°	34	24	26	-	1	0.0	72	89
City (Bunhill Row) ..	·	·	·	·	·	·	·	·	0.0	·	·
Westminster (St. James' Pk.)	·	·	·	36	25	25	-	1	0.0	80	89
Regents Pk. (Botanical Gdns.)	·	·	·	·	·	·	·	·	0.0	·	·
Camden Sq. (Brit. Rainfall)	o	ofp	·	35	24	24	0.3	1	·	76	93
Kensington Palace ...	os°	os°	·	35	26	26°	-	1	·	83(18h)	90
Hampstead Observatory ..	·	·	·	34	26	21	-	Tr	0.0	·	97

ATMOSPHERIC POLLUTION. Milligrams of Solid impurity per cubic metre.

24 Hrs. ended 1800 G.M.T. 24th

South Kensington			
Max.	Time.	Min.	Time.
0.6	17-19h. 24th	0.3	1-5h. 24th
1.0	10h. 24th		
Kew Observatory			
Max.	Time.	Min.	Time.
·	·	-	-

SOLAR RADIATION. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total .... joules

Average Rate .... Milliwatts.

Maximum Rate .... Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 24th 17 h 30 m. to 25th 06 h 45 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	1315	0.0	0
δ Ursae Minoris	1315	0.0	0

RADIO DISTURBANCES (Atmospherics) AT CROYDON.§

Time.	Type.	No. per ¼ sec.	Siren.	Direc.
[illegible]	CC₂	7	·	155°
[illegible]	CC₁	7	-	160°
[illegible]	CC₂	7	-	170°
[illegible]	CC₁	8	..	5°

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

25th & 26th JANUARY, 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth ...	7.48 / 7.47	12.5 / 12.6	4.22 / 4.24
Greenwich ...	7.51 / 7.50	12.12 / 12.13	4.33 / 4.35
Wick	8.36 / 8.34	12.24 / 12.25	4.13 / 4.15
Valencia ...	8.34 / 8.33	12.53 / 12.54	5.12 / 5.14

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.
jp precipitation within sight.

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 }
1 = mod. swell } Calm or slight sea.
2 = heavy swell }
3 = no swell }
4 = mod. swell } Moderate 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

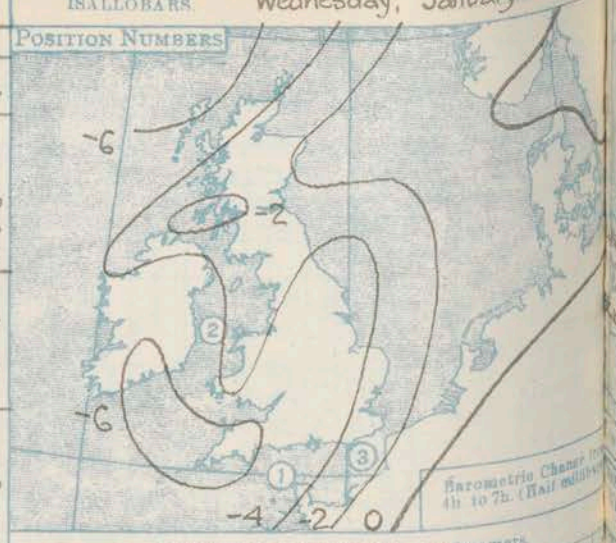
§ For explanation, see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

M.O. Form 2370.

Summaries for the Past 24 Hours

Stations.	Weather. 7h.-13h. 24th	Weather. 13h.-18h. 24th	Weather. 18h. 24th to 1h. 25th	Weather. 1h.-7h. 25th	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. Hours.
Lerwick	bobc	bobc	bobc	bobc	37	35	•	-	-	-	-	•
Stornoway	c	c	p	p	38	33	•	-	0·2	-	-	4·1
Wick	oo	oih₀q	opshq	ishrq	38	32	•	trace	0·2	1530	<2100	•
Castlebay	bo	moerb	os₀p	s₀po	38	33	•	-	trace	•	-	1·6
Nairn	oo		oo		35	29	•	-	-	-	-	0·0
Aberdeen	oqsp₀	oqsp₀	oqps₀		36	31	29	0·1	3	0900	<2100	0·0
Malin Head	cq	oq	is₀u	cq	37	31	•	•	-	-	-	2·7
Renfrew	oi3q	obcimq	bcoq	imx	35	28	25	•	-	-	-	1·4
Edinburgh (Inchkeith)	north	north	north	north	35	28	26	trace	trace	1730	-	•
Eskdalemuir	ois₀	op3os	cps	co	30	27	21	?	trace	0900	<2100	1·3
Tynemouth	is₀q	isimq	s₀s₀q	s₀imq	36	29	•	1	0·1	<0800	<2100	•
Blacksod Point ...	c	oo	oo	cx	40	30	•	-	-	-	-	•
Donaghadee	bcq	cmq	bcis₀	cmq	37	30	•	-	trace	-	2400	•
Birr Castle	ci3	oo3	coph	o	36	28	27	-	trace	-	-	0·0
Baldonnell	oqq	oo	oo	ooq	35	29	28	-	-	-	-	0·2
Holyhead	bobc	bbcb	bobc	bco	33	26	25	-	-	-	-	6·3
Liverpool (Bidston) ...	oo	oo	f or m		29	25	22	-	-	-	-	0·0
Chester (Shotwick) ...	oo	oo	pqom	omss	31	29	x	-	0·1	-	0630	•
Howden												
Spurn Head	sors	sors	sors	oo	37	27	•	trace	-	1230	-	0·0
Nottingham	sors	sors	oo		28	24	26	0·1	-	0900	-	0·2
Cranwell	sors	sors	s₀	oo	27	24	23	2	trace	<0800	<2100	0·0
Gorleston	oxbs	qxix	oqxw	oo	27	26	25	trace	-	11·0	-	0·0
Pulham	sors	sors	oo		27	24	22	•	-	•	-	0·0
Felixstowe	oo	oo	oo		27	26	26	trace	-	1230	-	0·0
Valencia (Cahirciveen)	oc	co	o	oors	45	32	3	-	1	-	0530	0·0
Roches Point	oo	d₀d₀	d₀d₀	fod	44	33	•	0·4	1	0900	<2100	•
Pembroke (St. Ann's H.)	oo	oo	oo	oo	35	26	•	-	-	-	-	0·0
Ross-on-Wye	oq	oq	oqy	oos	29	23	23	-	4	-	0430	0·0
Benson...	od	oo	oox	orr	29	24	25	-	1	-	0430	•
S. Farnborough ...	is₀	is₀	sors		33	25	25	0·1	3	0900	-	0·0
London (Kew Obsy.) ...	ogmqq	ogmsqm	oqo	ooroq	29	27	27	-	1	-	0430	0·0
Croydon	oxjms	omss₀	omimq	ors₀fo	29	25	25	0·1	1	0900	0230	0·0
Clacton-on-Sea ...	oq		oq	oqpr	28	27	26	-	0·2	-	0330	0·0
Shoeburyness	sors	sors	r or d		36	26	12	0·1	0·3	1100	<2100	0·0
Grain	sors	sors	oo ir₀		29	26	26	trace	0·1	-	2400	0·0
Lympne	sors	oims₀	oimq	oimqr₀	26	24	24	trace	0·2	0900	0430	0·0
Scilly (St. Mary's) ...	oo	oo	omirq	omq	46	41	•	-	1	-	<2100	0·0
Falmouth (Pendennis)	o	om	omr	omr	47	33	x	-	4	-	<2100	0·0
Plymouth (Cattewater)	oo	oo	r or d		37	30	28	trace	1	<0800	-	0·0
Portland Bill	oo	oo	sors	r or d	45	30	•	-	3	-	2400	•
Southampton (Calshot)	oo	oo	oo	r or d	33	27	27	2	0·2	-	0430	0·0
Dungeness	c	oo	oo	r₀r₀	28	25	•	-	1	-	0230	•
Jersey	oco	o	or₀o	o	43	36	•	-	3	-	2400	0·3

Isallobars. Wednesday, January 25th



Observations from Cross Channel Steamers

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
2	24th 1010	Scotia	E	7	b	34	43
1	25th 0300	Reindeer	SE¹E	6	o	39	49
3	25th 0300	Arundel	ESE	5	d.d.	39	48

General Inference.

A deep depression that has developed off our South-West coasts will cause the Easterly wind to continue, with rain at times in the Southern districts and some snow or sleet over a wide area in the North. Gales are probable on many parts of the coast.

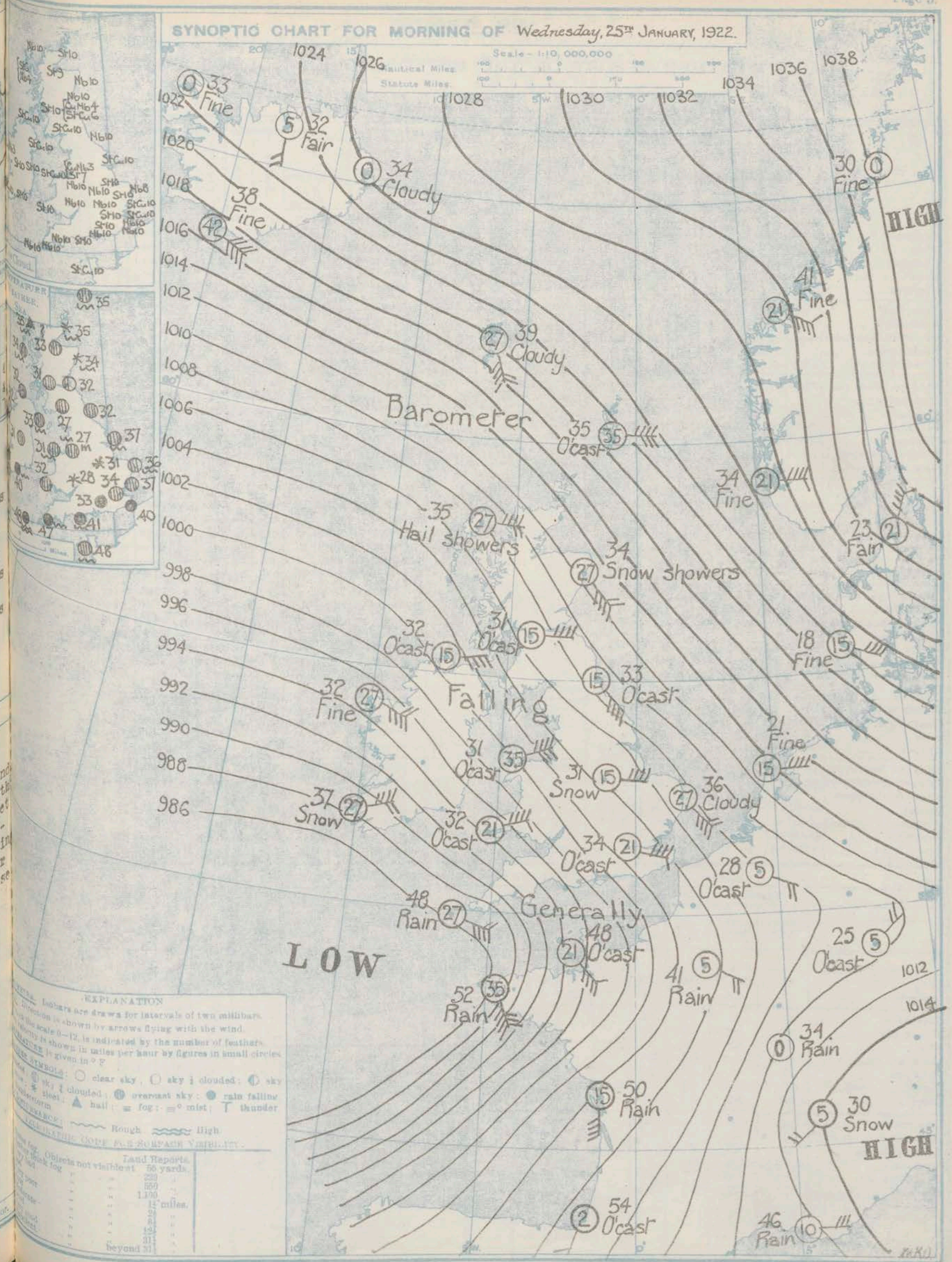
Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday, 25th January, 1922.

Districts.	Forecasts	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	Wind mainly East, fresh or strong, a gale in places; mainly overcast, occasional rain (sleet or snow locally); temperature above freezing point generally. Visibility indifferent.	Easterly wind continuing, with some rain, sleet or snow. Temperature becoming low again after a temporary rise.
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	Wind between South-East and East, fresh or strong, a gale in places; cloudy or overcast. some snow, sleet or rain; temperature rising somewhat; visibility indifferent to fair.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind mainly East, fresh or strong, a gale in places; dull, occasional rain or sleet; temperature rising; visibility indifferent.	

R.S.

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



H.M.S.O. Prnt. Kennoy, W.C.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. WEDNESDAY, 25TH JANUARY 1922. No. 25

Observations at 0100 G.M.T. 25th

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1024.5	-4	E	4	b-	36	75	7	-	-	0	-	0	*
Stornoway	1016.7	-7	E	6	bh	39	92	6	*	*	*	*	*	*
Wick	1017.5	-4	E	8	o/s(L)	36	92	8	4000	St.Cu	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1007.0	-6	ENE	5	o/s(L)	33	97	7	4000	St.Cu	10	-	10	*
Renfrew														*
Edinburgh (Inchkeith)	1011.7	-5	SE	4	o/s	30	92	9	-	Cu Nb	9	-	9	*
Eskdalemuir														*
Tynemouth	1014.8	-4	SE	5	os	31	85	6	4000	Nb	10	-	10	*
Blacksod Point ...	1001.9	-7	ESE	7	o+	35	97	1	-	St.Cu	10	-	10	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1003.9	-5	E'S	3	o	30	75	7	2500	St	10	-	10	*
Holyhead	1004.0	-5	E'N	7	b	*	*	7	-	-	0	-	0	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1016.1	-3	E	6	ors	29	97	7	4000	Nb	10	-	10	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1010.5	-4	ESE	4	o	24	75	6	1500	St	10	-	10	*
Gorleston	1011.0	-2	ESE	6	o	30	97	7	5750	Nb	10	-	10	*
Pulham														*
Felixstowe														*
Valencia (Cahirciveen)	9958	-5	E	7	c	35	92	3-	-	St.Cu	7	-	7	*
Rochas Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1000.9	-4	ENE	6	o	28	92	7	1500	St	10	-	10	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)...	*	*	*	*	*	31	*	*	*	*	*	*	*	*
Croydon	1007.0	-4	E	1	o	30	85	6	1500	St	10	-	10	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1005.9	-5	E	6	c-	30	85	6	-	-	0	A St	8	*
Scilly (St. Mary's) ...	9926	-4	ESE	7	o/r	45	97	7	4000	Cu Nb	10	-	10	*
Falmouth (Pendennis)	9942	?	E	11	orr	36	85	5	2500	Nb	10	-	10	*
Plymouth (Cattewater)														*
Portland Bill	1002.2	-3	E'N	9	os	31	85	5	450	St	10	-	10	*
Southampton (Calshot)	1003.0	-6	E'N	5	o	30	85	6	1500	St	10	-	10	*
Dungeness	1005.6	-4	E	5	bc-	31	97	7	-	-	0	A St	6	*
Jersey 7h / Guernsey 1h	1007.3	-9	E	7	orr	38	85	4	450	St	10	-	10	*

Observations at 0700 G.M.T. 25th

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1020.6	-4	E	7	o+	35	75	6	-	-	0	A St	10	6
Stornoway	1007.6	-7	E	6	oph	35	92	6	450	Nb	10	-	10	6
Wick	1012.5	-3	ESE	8	os	35	97	6	800	St	10	-	10	7
Castlebay	1004.4	-5	ESE	4	o/s(L)	34	85	6	800	St	10	-	9	6
Nairn	1010.1	*	SE	2	o	33	85	8	1500	St	9	-	10	6
Aberdeen	1012.3	-1	SE	6	ops	34	75	7	2500	Nb	10	-	10	4
Malin Head	1000.8	-2	ENE	4	o	32	97	7	4000	St.Cu	10	-	10	*
Renfrew	1007.3	-2	E	4	o	31	75	6	2500	St	10	-	10	4
Edinburgh (Inchkeith)	1008.0	-3	ESE	4	o/s(L)	32	97	8	-	St.Cu	10	-	10	*
Eskdalemuir	1007.9	-2	E'S	4	o	27	85	7	1500	St.Cu	10	-	10	4
Tynemouth	1004.7	-4	SE	4	o/s(L)	33	92	6	4000	Nb	10	-	3	8
Blacksod Point ...	995.5	-4	ESE	6	b-	32	97	3	-	Cu Nb	3	-	10	6
Donaghadee	1003.6	-4	SE	5	o+	33	85	7	5750	St.Cu	10	-	10	*
Birr Castle	995.1	*	E	2	o+	31	97	5	450	St	10	-	10	*
Baldonnell	998.2	-5	E	3	o	32	85	7	1500	St	10	-	10	7
Holyhead	998.9	-4	ENE	7	o	31	85	7	4000	St.Cu	10	-	10	6
Liverpool (Bidston) ...	1002.3	-4	E	5	mo-	27	85	4	2500	St	10	-	10	*
Chester (Shotwick) ...	1001.7	-8	E	4	oso	29	92	4	1500	Nb	10	-		*
Spurn Head	1005.0	-5	ESE	7	o	37	85	6	4000	St.Cu	10	-	10	6
Nottingham	1004.0	*	E	4	os	31	65	6	1500	Nb	10	-	10	*
Cranwell	1006.1	-4	E'S	4	os	31	92	4	450	St	10	-	8	7
Gorleston	1007.9	-3	SE	6	c-	36	92	6	4000	Nb	8	-	10	*
Pulham	1006.0	-4	E'S	4	o	34	97	5	1500	St	10	-	10	11
Felixstowe	1007.0	-2	SE'E	4	or	37	85	7	1500	St.Cu	10	-	10	5
Valencia (Cahirciveen)	9985	-5	E'N	6	ors	37	85	7	1500	St.Cu	10	-	10	7
Rochas Point	9919	-7	SE	6	odd	40	92	6	1500	St	10	-	10	5
Pembroke (St. Ann's H.)	994.5	-4	ENE	5	o	32	97	7	1500	St	10	-	10	*
Ross-on-Wye	1000.4	-5	NE'E	3	oss	28	97	4	1500	Nb	10	-	10	*
Benson...	1000.5	-4	E	5	or	33	85	5	-	Nb	10	-	10	*
S. Farnborough ...	999.3	-4	E	3	or	33	97	5	2500	St	10	-	10	
London (Kew Obsy.)...	1002.0	-4	E'S	5	o/r	34	85	6	2500	St	10	-	10	
Croydon	1002.7	-3	E	4	ors	33	92	5	800	St	10	-	10	4
Clacton-on-Sea ...	1004.5	-3	ENE	4	o/r	37	85	5	2500	St	10	-	10	*
Shoeburyness	1003.5	-3	SSE	6	od	36	85	6	2500	St	10	-	10	3
Grain	1008.9	-4	E	4	o/r	35	85	6	2500	St.Cu	10	-	10	*
Lympne	1003.3	-2	E'S	6	orr	34	85	5	450	Nb	10	-	10	8
Scilly (St. Mary's) ...	987.3	-6	ESE	6	or	48	97	6	4000	Nb	10	-	10	7
Falmouth (Pendennis)	957.6	?	E	9	orr	47	97	5	2500	Nb	10	-	10	0
Plymouth (Cattewater)	991.4	-7	ENE	5	orr	39	97	6	1500	Nb	10	-	10	7
Portland Bill	995.2	-5	E	8	orr	41	85	6	450	St	10	-	10	4
Southampton (Calshot)	998.2	-5	E	6	odd	37	97	6	800	Nb	10	-	10	5
Dungeness	1002.2	-2	SE	4	orr	40	97	6	1500	Nb	10	-	10	6
Jersey 7h / Guernsey 1h	994.1	-3	SE	5	o/r	48	92	8	4000	St.Cu	10	-		

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 24th JANUARY

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 17h.-9h. 23rd-24th mm.	Rainfall.† Day 9h.-17h. 24th mm.	Sunshine. Sunrise to Sunset 24th hr.	Sunshine. Sunrise to Sunset hr.
Banff	o	ohp	35	35	-	-	0.0	
Montrose	o	os	37	31	-	0.4	0.0	
Llandudno	o	o	30	28	-	-	0.0	
Colwyn Bay ...	cbc	bc	33	29	-	-	0.0	
Rhyl	xc	xc	29	29	-	-	0.0	
Southport	ocbc	bc.c	33	29	-	-	1.6	
Blackpool	c	c	31	29	-	-	0.4	
Harrogate	os	ocbcb	29	27	0.2	0.4	0.1	
Skegness	os	so	37	35	-	-	0.0	
Aberystwyth ...	bc	s	36	29	-	-	0.6	
Bath	o	o	29	29	-	-	0.0	
Leamington Spa ..	o	o	31	23	-	-	0.0	
Lowestoft	ops	ops	26	24	-	-	0.0	
Felixstowe	og	og	27	24	-	-	0.0	
Southend	o	so	27	24	-	0.1	0.0	

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 17h.-9h. 23rd-24th mm.	Rainfall.† Day 9h.-17h. 24th mm.	Sunshine. Sunrise to Sunset 24th hr.	Sunshine. Sunrise to Sunset hr.
Paignton	ogp	spog	37	36	0.5	-	0.0	
Ilfracombe	o	o	34	28	-	-	3.0	
Bude	c	bc	35	31	-	-	0.0	
Penzance	og	og	43	42	-	-	0.0	
Falmouth Observatory	o	o	41	40	1	-	0.0	
Torquay	o	o	35	35	0.5	-	0.0	
Weymouth	o	o	43	27	-	-	0.0	
Bournemouth ..	o	o	30	25	-	-	0.0	
Portsmouth (S'thsea)	o	o	30	30	-	-	0.0	
Worthing	o	o	30	26	-	-	0.0	
Brighton	o	o	30	27	-	-	0.0	
Eastbourne	o	o	31	30	-	-	0.0	
Hastings	o	o	27	26	-	-	0.0	
Folkestone	o	o	34	22	-	-	0.0	
Tunbridge Wells ...	o	o	25	25	-	-	0.0	
Ramsgate	o	o	26	23	-	-	0.0	
Margate							0.0	
Deal	o	o	35	25	-	-		

* 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. 8.21980 Thursday, 26th January 1922.

Observations at 1300 G.M.T. 25th

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	Height of Low Cloud Feet	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea 0-9
Lerwick	1019.0	-1	SE'E	7	ors₀	37	85	6	2500	Nb	10	-	10	*
Stornoway	1004.5	-3	ESE	4	o	38	75	6	800	St.	10	-	10	*
Wick	1011.3	-2	SE	9	or₀r₀	38	97	6	1500	Nb	10	-	10	*
Castlebay	1001.0	-2	E	5	o	38	75	6	800	St.	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1011.1	-1	SE	6	oprs	38	97	6	2500	Nb	10	-	10	*
Malin Head	996.3	-5	ENE	4	o	38	97	7	4000	St.Cu	10	-	10	*
Renfrew	1004.1	-5	ENE	4	o	35	85	4	2500	St.	10	-	10	*
Edinburgh (Inchkeith)	1006.1	-3	SE	3	od₀	37	97	6	-	Nb	10	-	10	*
Eskdalemuir	1004.5	-3	E	6	os₀s₀	34	92	6	800	Nb	10	-	10	*
Tynemouth	1006.6	-3	SE	4	opr₀	39	92	6	4000	Nb	10	-	10	*
Blacksod Point	991.3	-5	ESE	6	o/s(h)	35	?92	7	-	St.Cu	10	-	10	*
Donaghadee	999.4	-5	SE	5	o/r	38	92	6	1500	St	10	-	10	*
Birr Castle	991.2	*	NE	1	o-	37	97	7	2500	St.	9	-	9	*
Baldonnell	995.0	-4	E	4	o	37	92	6	800	St.	10	-	10	*
Holyhead	995.1	-4	E'N	6	o	38	85	6	2500	St.Cu	10	-	10	*
Liverpool (Bidston)	998.1	-3	E'S	4	od₀+	36	92	5	1500	Nb	10	-	10	*
Chester (Shotwick)	998.5	-2	ESE	2	orsrs	35	92	4	800	Nb	10	-	10	*
Spurn Head	1003.6	-2	ESE	6	opr₀	39	92	6	450	St.	10	-	10	*
Nottingham	1002.7	*	E	4	o/s(rs)	37	92	5	1500	Nb	10	-	10	*
Cranwell	1008.0	-3	ESE	6	o	36	97	5	800	St.	10	-	10	*
Gorleston	1006.6	-1	SE	7	o/r	39	97	6	4000	Nb	10	-	10	*
Pulham	1004.6	-1	ESE	5	o	39	92	5	1500	St.	10	-	10	*
Felixstowe	1005.7	-2	SE	5	o	40	92	6	1500	St.	10	-	10	*
Valencia (Cahirciveen)	983.6	-3	E	7	or	44	75	7	1500	St.Cu	7	A.St	10	*
Roches Point	988.2	-3	ESE	5	odr₀	44	97	6	1500	Nb	10	-	10	*
Pembroke (St. Ann's H.)	991.3	-4	E	6	odd	39	97	6	800	Nb	10	-	10	*
Ross-on-Wye	999.2	-3	E	3	odd₀	37	97	3	450	Nb	10	-	10	*
Benson	997.5	-2	ESE	5	ff₀	39	92	2	-	St.	10	-	10	*
S. Farnborough	998.6	-2	E'S	4	orsrs	41	97	5	450	Nb	10	-	10	*
London (Kew Obsy.)	999.5	-3	ESE	4	om-	41	97	5	2500	St.	10	-	10	*
Croydon	1000.8	-3	SE'E	4	o/r	41	92	6	450	St.	10	-	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1002.9	-2	E'S	5	mmo	40	85	5	4000	St.Cu	7	A.St	10	*
Grain	1002.1	-2	ESE	5	o	40	92	6	800	St.	10	-	10	*
Lympne	1002.0	-2	ESE	5	ojp	41	97	5	450	St.	10	-	10	*
Scilly (St. Mary's)	988.1	+2	SW'W	4	od₀	53	97	7	4000	St.Cu	9	-	9	*
Falmouth (Pendennis)	990.4	+2	W	4	o	51	97	4	2500	Nb	10	-	10	*
Plymouth (Cattewater)	989.8	-1	ESE	2	odd	51	97	6	450	Nb	10	-	10	*
Portland Bill	988.8	-6	E	8	oRR	45	85	6	450	St.	10	-	10	*
Southampton (Calshot)	995.2	-5	ESE	7	orr	44	97	4	450	Nb	10	-	10	*
Dungeness	1001.0	-2	S	5	o+	43	97	7	-	-	-	A.St	10	*
Jersey	995.0	+1	SSW	4	o/r	54	85	8	4000	St.Cu	10	-	10	*

Observations at 1800 G.M.T. 25th

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	Height of Low Cloud Feet	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea 0-9
Lerwick	1018.5	-1	SE'E	7	o/s(h)	37	85	5	-	-	-	A.St	10	6
Stornoway	1003.1	-1	ESE	6	o	42	85	6	800	St.	10	-	10	5
Wick	1011.4	0	SE	9	or₀	38	92	6	4000	Nb	10	-	10	8
Castlebay	1000.6	-6	E	5	o	43	85	6	450	St	10	-	10	7
Nairn	1007.4	+	ESE	4	od₀	39	85	7	1500	Cu.Nb	9	-	9	*
Aberdeen	1011.0	0	SE	7	o	38	85	6	2500	St.	10	-	10	7
Malin Head	993.6	0	ENE	3	or₀	41	97	6	4000	St.Cu	10	-	10	4
Renfrew	1003.0	-1	NE	3	o	39	85	4	1500	St.	10	-	10	*
Edinburgh (Inchkeith)	1004.6	-2	ESE	4	o	39	92	7	-	Cu.Nb	10	-	10	*
Eskdalemuir	1003.4	0	E'N	5	o	37	85	6	450	St.	10	-	10	*
Tynemouth	1006.8	0	S	6	o/r	40	92	6	4000	Nb	10	-	10	7
Blacksod Point	989.5	-2	SE'E	7	oR+	39	97	4	*	-	-	A.St	10	6
Donaghadee	998.2	0	SE	5	o	42	97	6	1500	St.	10	-	10	6
Birr Castle	970.2	*	SE	2	odd	42	97	6	800	Nb	10	-	10	*
Baldonnell	993.5	-1	E'N	4	odr₀	42	97	5	800	Nb	10	-	10	*
Holyhead	994.3	-2	ENE	6	or₀	40	92	6	800	St.	10	-	10	6
Liverpool (Bidston)	996.1	-1	E	5	or+	37	92	4	1500	Nb	10	-	10	6
Chester (Shotwick)	996.1	+2	ESE	4	orr	39	85	4	1500	St.	10	-	10	*
Spurn Head	1002.6	-1	ESE	7	o	39	92	6	450	St.	10	-	10	6
Nottingham	999.7	*	E	5	o/s(r)	39	97	6	1500	Nb	10	-	10	*
Cranwell	1001.9	-1	ESE	6	os₀	37	97	5	800	Nb	10	-	10	*
Gorleston	1005.7	-1	SE	7	o	39	97	6	4000	Nb	10	-	10	7
Pulham	1005.1	0	ESE	5	od₀	38	97	5	1500	Nb	10	-	10	*
Felixstowe	1006.0	+1	SE'E	5	oR	40	97	5	800	Nb	10	-	10	4
Valencia (Cahirciveen)	988.4	+5	SSE	3	b-	46	85	8	2500	St.Cu	2	A.Cu	3	4
Roches Point	989.6	+3	SW	2	b	48	92	6	-	-	-	-	0	6
Pembroke (St. Ann's H.)	992.2	+1	ESE	4	om+	44	97	6	800	Nb	10	-	10	5
Ross-on-Wye	992.3	0	SW	1	om	40	97	3	450	St.	10	-	10	*
Benson	997.8	+3	ESE	5	or-	44	92	4	-	Nb	10	-	10	*
S. Farnborough	999.1	+3	S'W	3	mmo	48	97	6	1500	St.	10	-	10	*
London (Kew Obsy.)	999.9	+1	SE	4	or-	46	97	5	1500	Nb	10	-	10	*
Croydon	1001.0	+1	ESE	4	o/r	46	97	5	800	St.	10	-	10	*
Clacton-on-Sea	1003.6	0	ESE	5	or-	40	97	4	2500	St.	10	-	10	5
Shoeburyness	1002.8	0	SE	5	or₀	40	85	5	2500	St.	10	-	10	*
Grain	1002.7	+1	ESE	4	or-	41	97	6	1500	Nb	10	-	10	3
Lympne	1002.7	+1	SE	5	orr	44	97	5	225	Nb	10	-	10	*
Scilly (St. Mary's)	994.5	+7	SW	3	b-	51	97	7	-	-	-	-	0	5
Falmouth (Pendennis)	995.4	+4	W	4	b-	50	85	5	800	St.	2	-	2	5
Plymouth (Cattewater)	995.9	+9	SW	3	ojp	51	97	7	1500	St.	10	-	10	4
Portland Bill	996.0	+6	SW	7	o/r	47	85	7	450	St.	10	-	10	7
Southampton (Calshot)	998.7	+7	S	4	c/r	49	92	6	2500	St.Cu	7	-	7	1
Dungeness	1001.8	+2	S	5	os₀r₀	46	97	7	4000	Nb	10	-	10	6
Jersey	999.3	+2	S	4	c+	51	92	8	4000	St.Cu	8	-	8	6

London Observations. 24 Hours ended 0900 G.M.T. 26th

London Observations	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. °F.	Temp. Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)
Kew } 24 hours ended 0700	og om	om orm	ormoom	*	*	45	4	1	0.0	*	*
Croydon } 24 hours ended 0700	om₀d₀	omr₀r	ood₀ood₀	*	*	45	6	1	0.0	-	*
Greenwich (Royal Obsy.)	0.0r₀	or₀	o.	48	34	40	2	0.3	0.0	94	95
City (Bunhill Row)	*	*	*	*	*	*	*	-	0.0	*	*
Westminster (St. James' Pk.)	*	*	*	50	36	33	3	3	0.0	90	95
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*	0.0	*	-
Camden Sq. (Brit. Rainfall)	o	or	*	48	34	37	4	1	*	95	100
Kensington Palace	or	or	*	45	35	43	4	1	*	96 (18h)	98
Hampstead Observatory	*	*	*	47	31	40	6	1	0.0	*	98

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 25th

South Kensington			
Max.	Time	Min.	Time.
0.6 1.3	9h-21h 25th 10h 25th	0.3	1-34 25th
Kew Observatory			
Max.	Time.	Min.	Time.
-	-	-	-

Solar Radiation. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total .... joules

Average Rate .... Milliwatts.

Maximum Rate .... Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from 25th 17 h 30 m. to 26th 6 h 45 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	13.15	0.23	3
δ Ursae Minoris	13.15	0.13	2

Radio Disturbances (Atmospherics) at Croydon.*

Time.	Type.	No. per 4 sec.	Stren.	Direc.
1h.	-	-	-	-
7h.	C,C₂	8	-	140
13h.	C₁C₂	7	-	55
18h.	C,C₂	7	-	70

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom.

26th and 27th January 1922

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.47 7.46	12.6 12.6	4.24 4.26
Greenwich	7.50 7.49	12.13 12.13	4.35 4.37
Wick	8.34 8.32	12.25 12.25	4.15 4.17
Valencia	8.33 8.32	12.54 12.54	5.14 5.16

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow. t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.
jp precipitation within sight.

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.

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 those columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

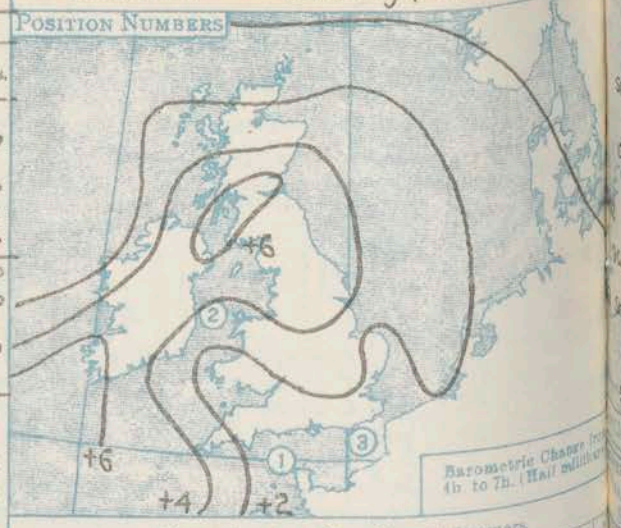
M.O. Form 2370.

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. Hours.
Lerwick	horrh	horrh	oo	borbc	38	36	•	trace	trace	<08.00	0130	•
Stornoway	c	o.o	c	oo	42	39	•	0.2	–	–	–	1.3
Wick	imirs	oirq	oirqq	oirqq	40	37	•	0.5	0.4	12.30	<2100	•
Castlebay	o	o	o	opo	43	42	•	–	0.4	–	–	0.0
Nairn	rord		oo		39	36	•	0.3	–	14.30	–	0.0
Aberdeen	gpors	oqim	omqrr		39	37	36	1	3	<08.00	0500	0.0
Malin Head	oq	oq	rorr	rorr	41	40	•	–	0.6	–	<2100	0.0
Renfrew	oqm	omrr	orrmm		40	37	36	–	1	–	2200	0.0
Edinburgh (Inchkeith)	rord	rord	rord	oo	39	37	36	trace	0.2	17.30	–	•
Eskdalemuir	omosm	oisirom	ors	oo	37	35	33	2	1	<08.00	<2100	0.0
Tynemouth	imqp.	imid.	RRqr	imR	41	34	•	0.4	6	09.00	2200	•
Blacksod Point ...	horrh	sorrs	sorrs	p	40	39	•	3	1	14.30	0430	•
Donaghadee	oor	omqp	ompq	omd	43	41	•	2	1	11.00	<2100	•
Birr Castle	ooc	omd.do	oc.rom	om	42	39	31	11	0.3	13.30	<2100	0.0
Baldonnell	oirs.	orsm	rorm0.r	b.bqr	42	40	31	2	2	<08.00	<2100	0.0
Holyhead ...	osr.o	oir.	oir.o.b	borbc	41	39	37	trace	1	<08.00	<2100	0.1
Liverpool (Bidston) ...	sorrs	p	F		43	37	36?	5	5	12.30	<2100	0.0
Chester (Shotwick) ...	ossm	rord	orrddmf	oidff	39	38	35	3	3	<08.00	<2100	•
Howden												
Spurn Head	p	o.o	rord	p	39	35	•	0.3	2	09.00	<2100	0.0
Nottingham	sorrs	oo	irr		39	38	36	3	2	<08.00	<2100	0.0
Cranwell	sorrs	id.r	rord	dodo	37	36	35	2	7	<08.00	<2100	0.0
Gorleston	oqr.	oqoqu	orR	odod	39	37	36	0.3	4	11.00	<2100	0.0
Pulham	p	oo	rord		38	37	36	1	5	09.00	<2100	0.0
Felixstowe	o.o	rord	rord		41	40	39	0.5	11	15.30	<2100	0.0
Valencia (Cahirciveen)	oor	orcb	borbc	bqp.b	48	45	38	6	1	<08.00	0330	0.7
Roches Point	rord	rrb	b.orr.o		49	47	•	5	2	<08.00	0430	•
Pembroke (St. Ann's H.)	oism	ojdim	dwim	c	44	44	•	1	0.3	11.00	<2100	0.0
Ross-on-Wye	somdm	grrm	offs	ffdd	42	35	31	7	1	<08.00	2400	0.0
Benson...	rof	R.r	r.o.o	o	44	43	36	9	0.4	<08.00	<2100	•
S. Farnborough ...	irsidifs	rsrsrr	rord		48	47	43	10	1	<08.00	0430	0.0
London (Kew Obsy.) ...	ogom	omorm	orm.o	oom	46	46	45	4	1	13.30	<2100	0.0
Croydon	omrsd	omr.r	omrd.	omrd.	46	46	45	6	1	<08.00	2400	0.0
Clacton-on-Sea ...	ogr		ogr	ogr	40	40	39	1	9	15.30	<2100	0.0
Shoeburyness	form	p	rord		44	39	39	1	4	<08.00	2200	0.1
Grain	o.o	o.o	rrr.r	r	41	41	39	0.5	3	14.30	<2100	0.0
Lympne	omr.	omgrr	omobrr	omqrr	44	44	43	5	3	<08.00	<2100	0.0
Scilly (St. Mary's) ...	rord	borbc	borbc	oo	54	48	•	0.5	–	<08.00	–	3.0
Falmouth (Pendennis)	omr	bombc	b	bqp.om	51	48	•	5	1	<08.00	0330	2.1
Plymouth (Cattewater)	rord	odo	borbc		52	50	44	5	0.1	<08.00	–	0.0
Portland Bill	rord	rord	c	c	48	41	•	3	–	<08.00	–	•
Southampton (Calshot)	rord	rord	rord	rord	50	43	41	11	0.6	<08.00	2400	0.0
Dungeness	o.o	mrr.	rord	irr	47	46	•	3	1	<08.00	<2100	•
Jersey	oiro	obc.o	rord	oirob	52	47	•	3	2	11.00	2200	?

ISALLOBARS. Thursday, 26th January.

POSITION NUMBERS



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

Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea
3		Brighton	SSW	2	cojp	49	48

GENERAL INFERENCE.

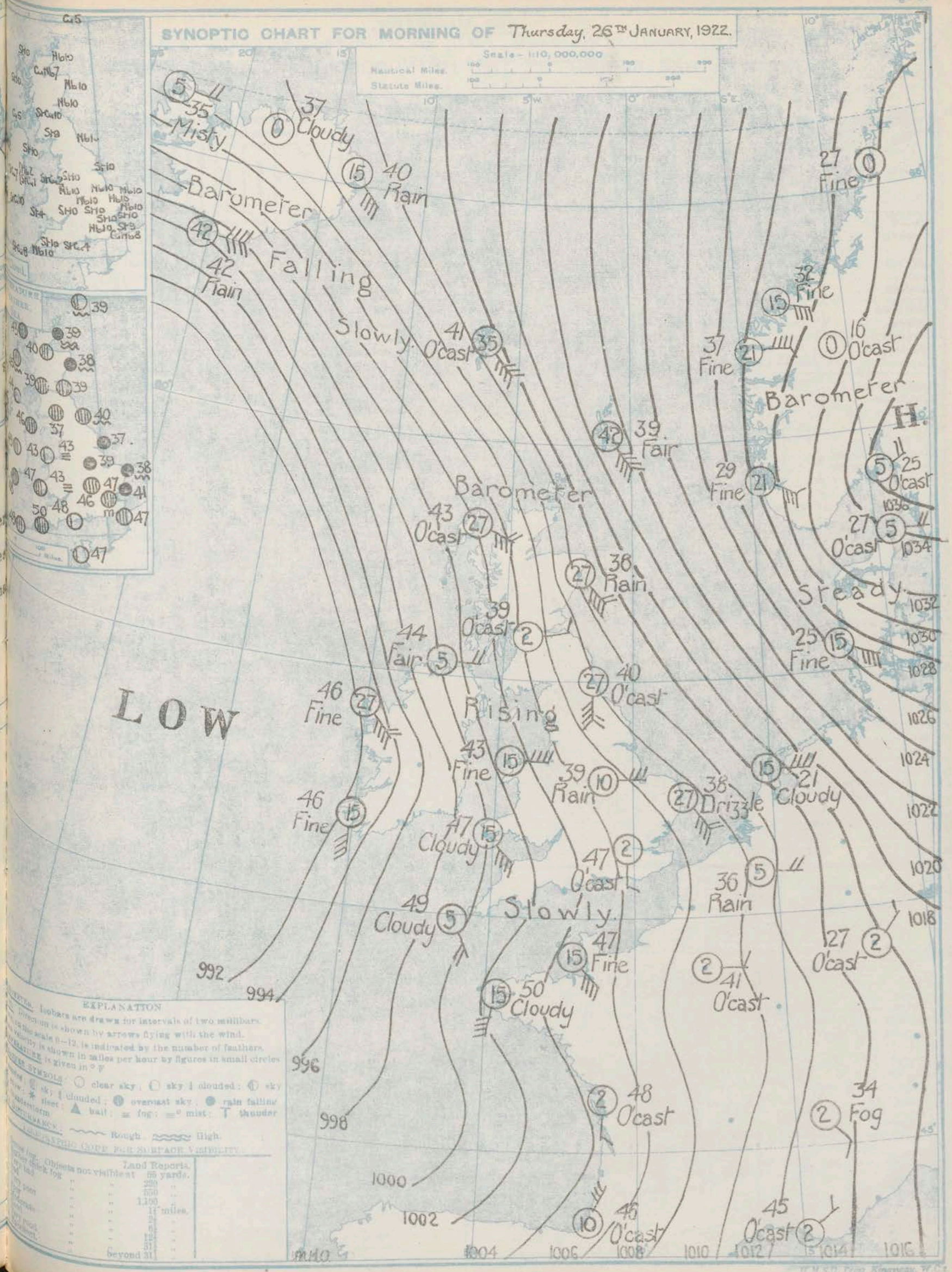
The anticyclone centred over Scandinavia and low pressure to the Westward of the British Isles will cause South-East and South winds, with much cloud, occasional rain in places, and a moderate or mild temperature.

Districts.	Forecasts for the 24 hours commencing 15h G.M.T. Thursday, 26th January, 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind mainly South-East, light or moderate; generally cloudy or overcast, some local rain or drizzle; fairer intervals; moderate or rather mild temperature. Visibility indifferent.	None issued.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Wind South-East or South, light or moderate; cloudy or overcast, some rain or drizzle; rather mild. Visibility indifferent.	
9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland	Wind South-Easterly, moderate or fresh; cloudy or overcast, some rain; moderate temperature. Visibility indifferent.	
13. Isle of Man	Same as 5 - 8.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind South-Easterly, strong to a gale, moderating later; much cloud, some rain or sleet; moderate temperature.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind between South and South-East, moderate, fresh locally; much cloud generally, some rain or drizzle; moderate or mild temperature; visibility mainly indifferent.	

RS.

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0940 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION. Thursday, 26th January 1922. No. 26.

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	Height of Low Cloud Feet	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea 0-9
Lerwick	1018·7	0	SE	8	c-	38	75	6	–	–	0	a.SV	8	*
Stornoway	1004·6	0	ESE	6	o	*	*	5	*	*	*	*	*	*
Wick	1009·7	-2	SE	9	or$_0$	40	92	7	800	St	10	–	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	995·6	0	ENE	3	oGG	41	97	6	4000	Cu.Nb	10	–	10	*
Renfrew	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	1004·0	-1	E	5	od$_0$	38	92	8	–	Nb	10	–	10	*
Eskdalemuir	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	1005·9	-1	SSE	8	oRR	39	85	6	4000	Nb	10	–	10	*
Blacksod Point	991·3	+1	SE'S	4	o/T	43	92	1	–	Nb	10	–	10	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	996·3	+4	E	1	b	43	92	7	–	–	0	–	0	*
Holyhead	998·0	+4	SSE	4	b/r	*	*	7	–	–	0	–	0	*
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1005·1	+3	WSW	7	orr	36	97	5	450	St	10	–	10	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1006·0	+6	SE'E	4	odd	39	97	4	800	Nb	10	–	10	*
Gorleston	1008·1	+1	SE'S	7	orr	38	97	5	4000	Nb	10	–	10	*
Pulham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Felixstowe	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Valencia (Cahirciveen)	990·3	-4	SE	4	bc	49	92	6	–	Cu.Nb	4	–	4	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	998·9	+3	S	3	mb-	47	97	6	–	–	0	–	0	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	1004·8	+4	SSE	2	od$_0$	48	97	5	800	St	10	–	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1005·8	+2	S	4	oGG$_0$	46	97	5	450	Nb	10	–	10	*
Scilly (St. Mary's)	995·9	0	SSE	4	c+	51	97	6	4000	StCu	8	–	8	*
Falmouth (Pendennis)	998·9	0	SW	5	b	49	97	7	–	–	0	a.Cu	2	*
Plymouth (Cattewater)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1001·0	+3	W'S	4	b-	46	85	7	1500	StCu	3	–	3	*
Southampton (Calshot)	1003·4	+3	S	3	od$_0$	48	92	7	1500	Nb	10	–	10	*
Dungeness	1005·3	+2	SSW	3	o/r	47	97	7	4000	Nb	10	–	10	*
Jersey 7h / Guernsey 1h	1003·1	+2	SSE	6	bc/r	50	97	7	5750	St	5	–	5	*

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	Height of Low Cloud Feet	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea 0-9
Lerwick	1018·6	0	SE	8	bc	39	75	6	5750	Cu	5	–	5	7
Stornoway	1003·6	+2	ESE	6	o	43	85	6	800	St	10	–	10	5
Wick	1010·3	+1	SE	10	or$_0$	39	97	8	4000	Nb	10	–	10	8
Castlebay	1000·8	+3	SE	5	o	45	92	6	2800	St	10	–	10	6
Nairn	1007·9	*	ESE	5	c-	40	85	8	4000	Cu.Nb	7	–	7	*
Aberdeen	1012·5	+4	SE'S	6	or	38	97	5	1500	Nb	10	–	10	7
Malin Head	998·6	+5	E	2	bc-	44	92	7	4000	Cu	5	–	5	1
Renfrew	1006·9	+6	ENE	1	o/r	39	92	5	1500	StCu	10	–	10	*
Edinburgh (Inchkeith)	1008·4	+4	SE	4	o	34	97	7	–	–	0	a.Sr	10	4
Eskdalemuir	1008·6	+5	ESE	1	o	37	92	6	800	St	9	–	9	*
Tynemouth	1010·3	+4	S	6	o/r	40	92	6	4000	Nb	10	–	10	7
Blacksod Point	992·1	+1	SE	6	b	46	85	3	2500	Cu.Nb	7	–	2	7
Donaghadee	1003·6	+6	SSE	2	o/T	46	92	7	2500	St	10	–	10	1
Birr Castle	995·1	*	SW	2	c-	49	92	4	2500	StCu	7	–	7	*
Baldonnell	1000·3	+4	ESE	4	b+	47	92	7	800	Nb	3	–	3	*
Holyhead	1002·1	+4	E	4	b	43	85	8	2500	StCu	2	–	2	1
Liverpool (Bidston)	1005·3	+2	SE'E	3	FFo	43	97	1	225	St	10	–	10	3
Chester (Shotwick)	1004·4	+5	SSE	3	od$_0$	41	97	3	1500	Nb	10	–	10	*
Spurn Head	1009·3	+4	SE	7	or	37	97	5	450	St	10	–	10	6
Nottingham	1007·9	*	E	3	oRR	39	97	4	2500	Nb	10	–	10	*
Cranwell	1008·6	+3	E'N	3	odd	38	97	4	800	Nb	10	–	10	*
Gorleston	1009·6	+1	SE	6	odd$_0$	38	97	5	4000	Nb	10	–	10	7
Pulham	1007·8	+1	E'S	4	orr	38	97	5	800	Nb	10	*	10	*
Felixstowe	1009·8	+1	SE'E	3	oRR	40	97	4	800	Nb	10	–	10	3
Valencia (Cahirciveen)	993·2	+7	S	4	b+	46	85	8	2500	St	2	–	2	*
Roches Point	996·5	+4	SE	3	o	48	97	7	1500	StCu	10	–	10	4
Pembroke (St. Ann's H.)	1000·2	0	SE	4	c+	47	92	7	1500	St	4	Ci.St	7	4
Ross-on-Wye	1004·8	+2	SE	1	ffo	43	97	2	450	St	10	–	10	*
Benson	1006·0	+3	SE	2	o/r	46	92	4	–	St	10	–	10	*
S. Farnborough	1006·1	+2	ESE	2	oGG	47	97	5	800	Nb	10	–	10	*
London (Kew Obsy.)	1006·6	+2	S	1	mo-	47	97	5	2500	St	10	a.St	10	*
Croydon	1007·3	+3	S	2	od$_0$	47	97	5	1500	St	8	–	10	0
Clacton-on-Sea	1007·3	+2	ESE	3	orr	41	97	3	800	St	10	–	10	*
Shoeburyness	1007·3	+2	–	0	ffo	42	92	3	2500	St	10	a.St	10	0
Grain	1007·4	+2	–	0	o/r	43	97	5	2500	StCu	9	a.SV	10	*
Lympne	1008·1	+1	S	4	o/T	45	97	6	800	St	9	–	10	
Scilly (St. Mary's)	998·7	+3	S'E	2	c	49	97	7	4000	StCu	8	–	8	5
Falmouth (Pendennis)	1000·7	+4	SW	5	o+	50	92	7	2500	Nb	10	–	10	1
Plymouth (Cattewater)	1002·0	+2	S	3	bc	50	97	7	4000	St	6	–	6	1
Portland Bill	1003·0	+2	W'S	4	bc	48	85	7	1500	StCu	4	–	4	4
Southampton (Calshot)	1005·7	+2	NE	3	b/r	43	97	5	4000	StCu	1	–	1	0
Dungeness	1007·0	+2	SSW	2	c-	47	97	7	–	Cu.Nb	8	Ci	8	4
Jersey 7h / Guernsey 1h	1004·9	0	SE	4	b/r	47	92	8	–	–	0	–	2.	3

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR Wednesday, 25th

Stations	Weather Fore-noon	Weather After-noon	Temperature Max. Day °F.	Temperature Min. Night °F.	Rainfall Night 18h.-9h. 24th-25th mm.	Rainfall Day 9h.-18h. 25th mm.	Sunshine Sunrise to Sunset 25th hr.
Banff	orsp	opg	37	30	2	1	0·0
Montrose	o	o	40	30	1	0·2	0·0
Llandudno	oso	o	39	24	–	–	0·0
Colwyn Bay	c.o	c	39	24	–	–	0·0
Rhyl	xs	od	38	25	–	0·2	0·0
Southport	sorp		39	25	–	0·4	0·0
Blackpool	o	o	34	25	–	–	0·0
Harrogate	of.os	os.rp	35	21	1	3	0·0
Skegness	og	gog	39	26	1	–	0·0
Aberystwyth	o.cb	cr.o	42	24	–	1	1·3
Bath	od	or	50	25	5	4	0·0
Leamington Spa	o	od	41	22	1	2	0·0
Lowestoft	or	o	39	25	–	1	0·0
Felixstowe	ogm	omr	40	26	–	0·3	0·0
Southend	o	or	39	25	0·2	1	0·0

Stations	Weather Fore-noon	Weather After-noon	Temperature Max. Day °F.	Temperature Min. Night °F.	Rainfall Night 18h.-9h. 24th-25th mm.	Rainfall Day 9h.-18h. 25th mm.	Sunshine Sunrise to Sunset 25th hr.
Paignton	ogd	oog	55	30	4	4	0·0
Ilfracombe	o	og	49	27	–	0·1	0·0
Bude	bcbc	rscb	51	26	–	0·1	2·3
Penzance	od.c	cobc	54	37	2	1	2·7
Falmouth Observatory	dm	dmcbb	53	36	8	2	0·9
Torquay	r	o	52	30	5	0·4	0·1
Weymouth	or	ro	52	27	2	4	0·0
Bournemouth	o	o	50	25	1	1	0·0
Portsmouth (S'thsea)	or	or	49	26	–	10	0·0
Worthing	or	ro	48	25	2	3	0·0
Brighton	ro	p	48	26	3	3	0·0
Eastbourne	o	roro	49	27	4	1	0·0
Hastings	oc	or	46	25	3	2	0·0
Folkestone	or		38	30	–	2	0·0
Tunbridge Wells	o	ogor	45	23	1	4	0·0
Ramsgate	o	o	40	25	1	–	0·0
Margate	ar		41	25	0·3	0·1	0·0
Deal	o	o	42	29	–	–	

* 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.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.21,981 FRIDAY 27th January 1922.

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	Height of Low Cloud Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea 0-9
Lerwick	1021.4	+1	SE	8	o	38	85	6	-	-	0	aSt	9	*
Stornoway	1007.9	+5	ESE	3	b	46	85	6	-	-	0	-	6	*
Wick	1015.2	+5	SE	8	o	40	97	6	1500	St	10	-	10	*
Castlebay	1006.0	+5	ESE	5	mmbc	47	75	6	1500	St	6	-	6	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1017.1	+4	SE'E	5	od₀	39	92	6	1500	Nb	10	-	10	*
Malin Head	1001.0	+2	S	4	c+	46	97	7	-	-	0	aCu	7	*
Renfrew	1011.0	+3	E	4	o	41	85	4	1500	StCu	10	-	10	*
Edinburgh (Inchkeith)	1012.8	+3	ESE	4	o	39	92	7	*	St	10	-	10	*
Eskdalemuir	1012.1	+3	E	3	o	36	97	6	450	St	10	-	10	*
Tynemouth	1013.3	+2	S	4	or₀r₀	38	97	5	4000	Nb	10	-	10	*
Blacksod Point	998.0	+5	S	6	c+	49	85	8	1500	Cu	7	-	7	*
Donaghadee	1006.7	+2	SSE	4	o	44	92	7	-	-	0	aSt	10	*
Birr Castle	1000.8	*	SE	2	c	53	85	7	4000	StCu	6	aCu	8	*
Baldonnell	1003.7	+2	SE'S	4	o+	51	85	7	2500	Nb	8	aCu	9	*
Holyhead	1005.3	+2	ESE	3	o	46	92	7	4000	StCu	9	-	9	*
Liverpool (Bidston)	1008.1	+2	ESE	2	o	41	97	4	450	St	10	-	10	*
Chester (Shotwick)	1007.5	+1	SE	2	o/r	42	92	4	1500	Nb	10	-	10	*
Spurn Head	1011.7	+2	ESE	6	oRR	36	97	5	1500	St	10	-	10	*
Cottingham	1009.9	*	E	3	or₀r₀	39	97	5	1500	Nb	10	-	10	*
Cranwell	1011.2	+1	E'S	4	or₀r₀	37	97	5	800	St	10	-	10	*
Gorleston	1012.4	+3	SE'E	6	orr	35	97	5	4000	Nb	10	-	10	*
Pulham	1011.4	+4	E'S	4	o/r	36	97	5	225	St	10	-	10	*
Felixstowe	1012.3	+2	E	3	odd₀	38	97	4	450	Nb	10	-	10	*
Valencia (Cahirciveen)	998.9	+3	SSE	4	bc-	52	75	8	2500	StCu	4	aCu	5	*
Roches Point	1001.5	+4	SSE	2	b-	51	85	8	4000	CuNb	1	CiSt	2	*
Pembroke (St. Ann's H.)	1005.2	+4	SSE	3	bc+	49	92	7	4000	Cu	6	-	6	*
Ross-on-Wye	1007.3	+1	SE	1	mo-	47	97	6	1500	St	10	-	10	*
Benson	1007.3	0	-	0	c	50	85	4	-	StCu	8	-	8	*
Farnborough	1008.6	+2	SSE	2	mmo	49	85	6	1500	St	10	-	10	*
London (Kew Obsy.)	1009.0	+2	SSE	2	mo-	50	92	5	2500	Nb	9	aSt	10	*
Croydon	1009.2	+1	SE	3	o/r	48	92	5	450	St	9	aCu	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1009.0	+2	E	1	mo+	42	85	4	2500	St	10	-	10	*
[illegible]	1009.7	+2	E	1	fo+	42	97	2	225	St	10	-	10	*
Lympne	1009.2	+1	ESE	2	o	46	92	5	450	St	10	-	10	*
Scilly (St. Mary's)	1004.4	+4	SSW	2	b	53	97	8	-	-	0	Ci	1	*
Falmouth (Pendennis)	1005.4	+2	SW	4	bc-	52	75	7	5750	Cu	4	Ci	5	*
Plymouth (Cattewater)	1006.0	+4	S	3	bc-	52	92	8	4000	StCu	2	aCu	6	*
Portland Bill	1005.0	+2	ESE	4	o	49	85	7	450	St	10	-	10	*
Southampton (Calshot)	1008.3	+1	E	2	mo-	45	97	5	450	St	10	-	10	*
Dungeness	1008.8	+1	S	1	bc	50	92	7	-	-	0	aCu	5	*
Jersey	1007.8	+1	SE	4	b	48	92	8	-	-	0	Ci	1	*

Observations at 1800 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	Height of Low Cloud Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea 0-9
Lerwick	1022.2	+1	SE	8	o	38	92	6	5750	StCu	9	-	9	7
Stornoway	1009.0	+1	ESE	3	b	44	85	6	-	-	0	-	0	2
Wick	1015.8	+2	SE	9	c-	40	92	7	4000	StCu	8	-	8	8
Castlebay	1006.5	0	ESE	5	mmb	45	85	6	1500	St	10	-	10	6
Nairn	1014.3	*	SE	2	c+	39	75	8	1500	St.	7	-	7	*
Aberdeen	1018.1	+1	SE'S	5	c-	38	85	7	2500	Cu	8	-	8	7
Malin Head	1004.1	+2	SE	3	orr	44	97	6	5750	Nb	10	-	10	3
Renfrew	1011.4	+1	ENE	4	or	40	85	5	800	StCu	10	-	10	*
Edinburgh (Inchkeith)	1013.0	+2	SE	4	ohr₀	38	85	8	-	CuNb	10	-	10	*
Eskdalemuir	1012.5	+1	ESE	4	ors₀	35	85	6	450	Nb	10	-	10	*
Tynemouth	1014.6	+1	SE	5	or₀r₀	38	85	5	4000	Nb	10	-	10	6
Blacksod Point	1001.0	+5	NW'N	3	b-	44	85	5	-	CuNb	2	-	2	5
Donaghadee	1007.4	+1	SSE	4	o	42	85	7	-	-	0	ASt	10	6
Birr Castle	1002.9	*	SE	1	b-	46	92	6	4000	StCu	3	-	3	*
Baldonnell	1004.5	+1	E	2	bc+	46	85	8	2500	Cu	3	ACu	6	*
Holyhead	1006.3	+2	E	4	o	44	92	6	2500	StCu	10	-	10	1
Liverpool (Bidston)	1008.8	+1	E'S	4	o	39	92	7	2500	St	10	-	10	4
Chester (Shotwick)	1008.5	+2	SSE	3	o/r	40	92	4	1500	Nb	10	-	10	*
Spurn Head	1012.1	+1	ESE	8	orsrs	35	97	5	1500	St	10	-	10	7
Cottingham	1011.5	*	E	3	o/r	37	97	6	-	-	0	ASt	10	*
Cranwell	1012.8	+2	ESE	5	odd	34	97	4	800	St	10	-	10	*
Gorleston	1015.1	+1	SE'E	6	orsrs	35	97	5	4000	Nb	10	-	10	7
Pulham	1012.8	+2	E'S	4	o/r	34	97	5	225	Nb	10	-	10	*
Felixstowe	1013.7	+3	E	4	odd	36	97	4	800	St	10	-	10	4
Valencia (Cahirciveen)	999.6	+1	SSE	4	o+	50	85	8	2500	StCu	7	ASt	10	7
Roches Point	1002.8	+2	SE	3	b+	48	97	8	1500	CuNb	3	-	3	4
Pembroke (St. Ann's H.)	1006.4	+1	SSE	2	b+	48	92	7	4000	Cu	3	-	3	4
Ross-on-Wye	1008.0	+1	E	2	or	46	97	4	800	Nb	10	-	10	*
Benson	1009.1	+2	SE	3	ffo	45	85	3	-	St	10	-	10	*
Farnborough	1009.6	+2	E	2	mmo	48	97	5	1500	St	10	-	10	*
London (Kew Obsy.)	1010.5	+3	E	4	od₀	43	97	2	1500	Nb	10	-	10	*
Croydon	1010.7	+3	ENE	3	ffo	41	97	2	450	St	10	-	10	*
Clacton-on-Sea	1011.7	+2	E	3	o/r	38	97	4	1500	St	10	-	10	0
Shoeburyness	1011.4	+2	ESE	1	odd	40	85	4	1500	Nb	10	-	10	*
[illegible]	1011.2	+2	ENE	3	o/r	39	97	3	450	St	10	-	10	0
Lympne	1010.8	+2	ENE	2	o	42	97	4	450	St	10	-	10	*
Scilly (St. Mary's)	1005.5	+1	S	3	b	50	97	8	4000	CuNb	2	-	2	5
Falmouth (Pendennis)	1007.1	+4	SW	2	b	49	85	7	2500	Cu	2	-	2	1
Plymouth (Cattewater)	1007.5	+2	S	2	b-	49	97	7	1500	StCu	2	-	2	1
Portland Bill	1006.4	+2	ESE	3	bc-	49	85	7	1500	StCu	6	-	6	5
Southampton (Calshot)	1009.3	+2	E	3	o/r	44	97	6	1500	St	10	-	10	0
Dungeness	1010.3	+1	ESE	2	o	47	97	6	4000	StCu	10	-	10	3
Jersey	1008.7	0	S	4	o	47	92	8	4000	StCu	9	-	9	3

London Observations. 24 Hours ended 0900 G.M.T. 27th

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. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)
Kew } 24 hours ended 0700	cform	o(gofd	o(r(r	*	*	39	tra	5	0.4	*	*
Croydon } 24 hours ended 0700	comd₀	omfe	of₀d₀f	*	*	39	0.1	4	0.4	*	*
Greenwich (Royal Obsy.)	om	om	or.or	49	38	38	-	4	0.0	95	98
City (Bunhill Row)	*	*	*	*	*	*	*	*		*	*
Westminster (St. James' Pk.)	*	*	*	50	39	38	-	6		93	96
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*	0.0	*	-
Camden Sq. (Brit. Rainfall)	omg	omg	*	48	38	37	-	6	*	98	100
Kensington Palace	og	og	*	49	39	32	-	6	*	98(18h)	98
Hampstead Observatory	*	*	*	48	37	36	tra	6	*	*	94

ATMOSPHERIC POLLUTION. Milligrams of Solid impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 26th

South Kensington Max.	Time.	Min.	Time.
1.0	25th 21h	0.3	26th 1-4h
1.3	26th 10h		

Kew Observatory Max.	Time.	Min.	Time.

SOLAR RADIATION. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total .... joules

Average Rate .... Milliwatts.

Maximum Rate .... Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 26th 17 h. 30 m. to 27th 06 h. 45 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	13.15	0.0	-
δ Ursae Minoris	13.15	0.0	-

RADIO DISTURBANCES (Atmospherics) AT CROYDON.¶

Time.	Type.	No. per sec.	Sferd.	Direc.
	C₁C₂	5	-	20°
	C₁C₂	7	-	160
	C₁C₁	8	-	155
	C₁C₁	7	-	80

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

27th & 28th Jany 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.46 7.44	12.6 12.6	4.26 4.28
Greenwich	7.49 7.47	12.13 12.13	4.37 4.39
Wick	8.32 8.30	12.25 12.25	4.17 4.19
Valencia	8.32 8.30	12.54 12.54	5.16 5.18

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow. t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.
jp precipitation within sight.

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, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 5=heavy swell } Moderate 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 3

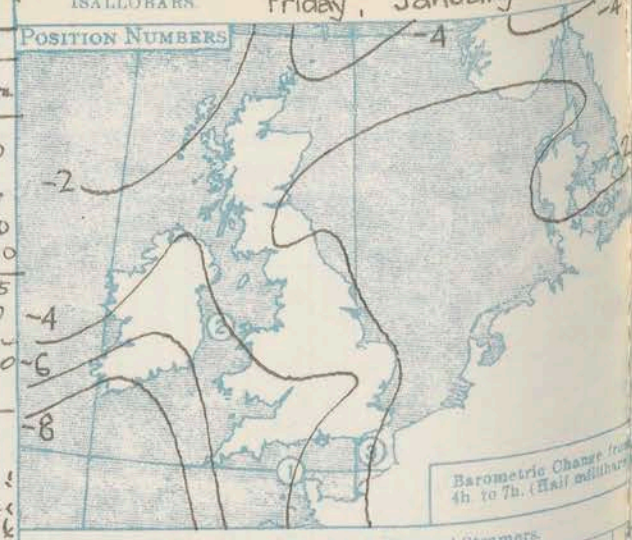
M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-18h. 26th	18h.-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. Hours.
Lerwick	c	oo	oo	oo	39	37	•	–	–	–	–	•
Stornoway	b or bc	b or bc	r or d	p	46	38	•	–	1	–	–	5·0
Wick	o m q	oo	oo	oo	40	37	•	–	–	–	–	•
Castlebay	o c m	c o m	o m p p	o d p	47	39	•	–	1	–	–	1·7
Nairn	b or bc		q c		43	37	•	–	–	–	–	5·0
Aberdeen	o q m r d	o q p o c	c q c q		39	37	35	2	–	<0800	–	0·0
Malin Head	c	o r r	r o r o	oo	47	40	•	3	4	1630	2200	0·5
Renfrew	o m n	o m q r	o m s s o m		42	33	32	trace	14·5	–	*	0·0
Edinburgh (Inchkeith)	oo	p	s o r s	s o r s	40	35	32	trace	1	1730	01·30	•
Eskdalemuir	oo	d o r s o	o s		37	31	30	0·2	3	1530	<2100	0·0
Tynemouth	r o r	m r r r r	i m p o	d d o q	40	35	•	4	0·4	0900	<2100	•
Blacksod Point ...	p	p	p	c	50	40	38	3	–	1330	–	•
Donaghadee	o m q	o m q	o i r q	o m q	47	39	•	–	6	–	<2100	•
Birr Castle	R c.	c o b c	b c	c o p r	53	43	37	5	2	<0800	–	4·[illegible]
Baldonnell	oo	b or bc	b or bc	o d o d o	54	41	34	1	0·2	<0800	02·30	2·[illegible]
Holyhead	b c. o	o p. o	p b c m	b or b c	49	39	37	0.1	1	1530	<2100	1·[illegible]
Liverpool (Bidston) ...	oo	f o r m	p		42	34	32	trace	3	–	2200	0·0
Chester (Shotwick) ...	o d o r d r o	p	o r o r m	o o r o r m	42	35	34	3	4	<0800	<2100	•
Spurn Head	r o r d	r s	s o r s	s o r s	37	33	*	5	2	–	–	0.0
Nottingham	r o r d	R R	R R		39	32	33	9	15	<0800	<2100	0·0
Cranwell	d d	d d	d d o	i d o	38	31	31	5	1	<0800	<2100	0·0
Gorleston	o q r r	o r r r s	o q p s o	o o	38	33	32	8	2	<0800	<2100	0·0
Pulham	r o r d	r o r d	p m		39	33	32	5	0·6	<0800	2200	0·0
Felixstowe	r o r d	r o r d	r o r d		41	35	35	5	1	<0800	<2100	0·0
Valencia (Cahirciveen)	b. b c p. c	b c p o	p	b c c p	52	?44	40	0.2	2	0900	<2100	3·8
Roches Point	c	b or bc	r o r d		51	45	*	–	11	–	01·30	*
Pembroke (St. Ann's H.)	c	b c e	b o r b c	b o o f e	50	42	*	0.1	0·3	–	–	4·0
Ross-on-Wye	F e i d	r c m o r	o m i d o		47	40	39	3	0·3	1100	<2100	0.0
Benson...	o m	f	o d		51	40	39	–	3	–	2200	•
S. Farnborough ...	f o r m	p r.	r o r d		?49	39	40	trace	5	1430	<2100	0·0
London (Kew Obsy.) ...	c f. o m	o f g o f m d	o f o m r	o m r o f o f r	50	40	39	trace	5	1630	<2100	0·4
Croydon	c o m d o	o m f c	o f e r d j n	o d o r r m f	49	40	39	0·1	4	<0800	<2100	0·4
Clacton-on-Sea ...	o g	m p r	o g m e	o g m d	41	37	37	2	0.2	0900	05·30	0·0
Shoeburyness	f o r m	r o r d	r o r d		43	38	38	?	1	1530	<2100	0·0
Grain	f o r m	r r o	r r m m		44	38	38	0.3	2	1430	2400	0·2
Lympne	o o	o m f	o m f r	c c o f r r d	47	40	40	–	1	–	2400	0·8
Scilly (St. Mary's) ...	b or bc	b or bc	b o b c	p	54	47	•	–	1	–	0230	7·4
Falmouth (Pendennis)	o m. b c	b c b	b c p b	b c o r q	53	47	*	–	0·2	–	2400	6·7
Plymouth (Cattewater)	c	b or b c	r o r d		54	41	36	–	trace	–	–	5·0
Portland Bill	r o r d	c	b o b c	o o	52	43	•	2	–	<0800	–	•
Southampton (Calshot)	r o r d	p	f o r m	F	46	43	43	1	1	0900	<2100	0·2
Dungeness	b or bc	c m	m d	r o r o	50	43	•	0.1	1	<0800	2200	•
Jersey	b c o b	b c o	o e b	o e b o e	?48	46	•	–	–	–	–	*

ISALLOBARS. Friday, January 27th.

POSITION NUMBERS



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea
2	26th 1010	Scotia	SE	5	CV	49	49
3	27th 0300		SSE	1	0	47	49

GENERAL INFERENCE.

Another depression which is encroaching on our South-Western districts will cause strong South-Easterly winds or gales very generally with considerable falls of rain in many localities. Sleet or snow is probable in the East and North.

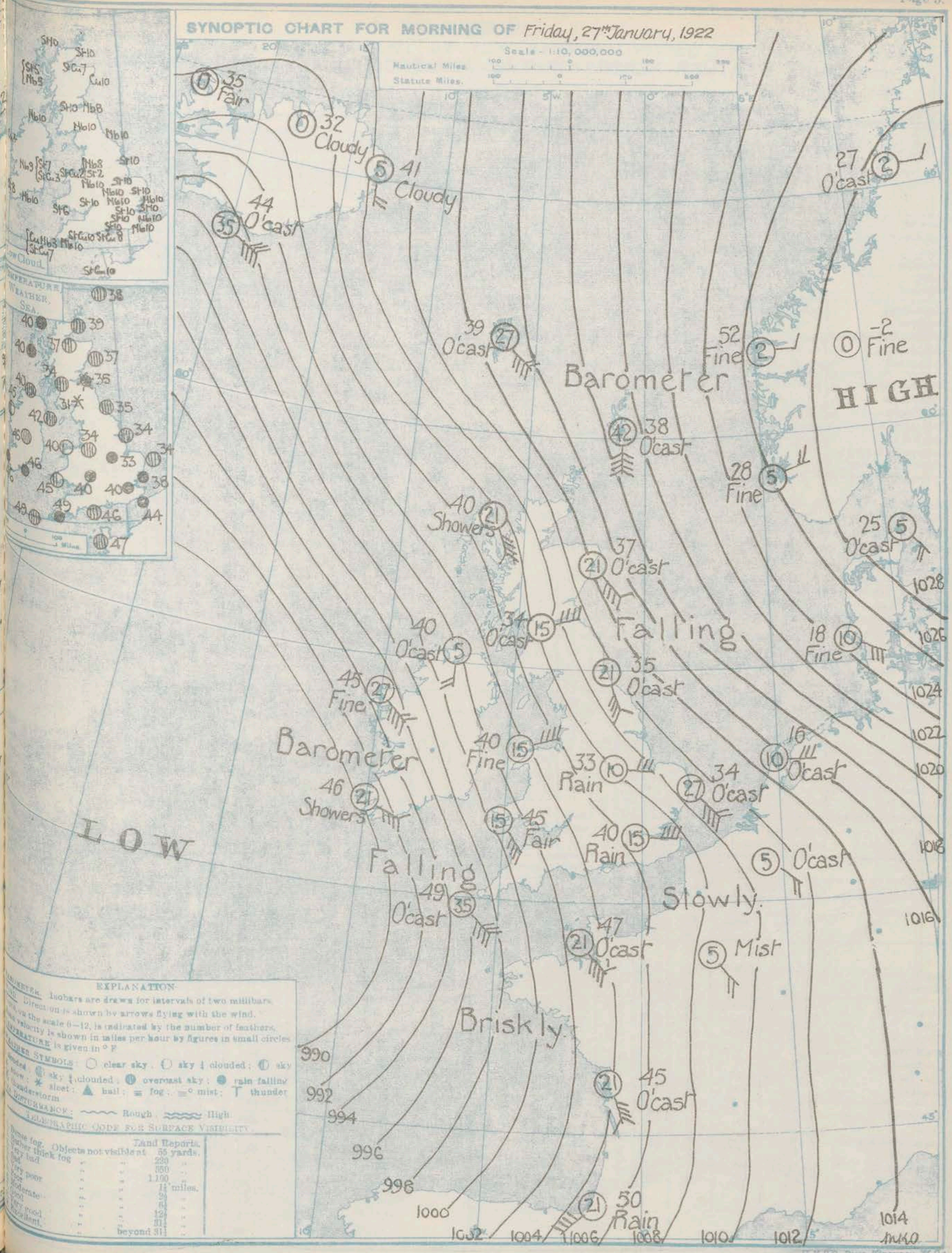
Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Friday, 27th January, 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Wind between South-East and East, fresh or strong generally, a gale in places; overcast, misty, rain at times (sleet or snow locally on East coast); visibility indifferent; moderate to lower temperature.	Wind probably Easterly with cold unsettled weather.
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	Wind between East and South-East, fresh or strong generally, a gale in places; overcast, rain, sleet or snow at times; visibility indifferent; temperature falling.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind mainly South-East, strong to a gale; much cloud, rain at times; visibility indifferent; moderate to rather low temperature.	

RS

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0950 GMT.

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

† For Code see opposite page



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. FRIDAY, 27th January 1922. No. 27

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1022.2	-1	S	8	o	37	97	6	—	—	—	A.St	10	*
Stornoway	1020.1	0	SSE	5	rr	*	*	*	*	*	*	*	*	*
Wick	1015.9	0	SSE	8	o	39	92	7	1500	St	10	—	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1005.2	0	SSE	2	o/r	42	92	6	4000	Nb	10	—	10	*
Renfrew														*
Edinburgh (Inchkeith)	1012.8	-1	ESE	4	rs.	36	85	8	—	Nb	10	—	10	*
Eskdalemuir														*
Tynemouth	1014.2	0	SSE	4	rsr.	36	92	6	4000	Nb	10	—	10	*
Blacksod Point ...	998.5	-3	SE	7	?	44	92	1	<150	St Cu	10	—	10	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1004.4	-1	ENE	2	bc+	42	97	8	—	—	—	A.St	4	*
Holyhead	1005.9	-2	ESE	3	b	*	*	6	—	—	—	A.St	1	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	1011.6	-1	E	7	o	35	97	6	450	St	10	—	10	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1012.8	0	ESE	4	do	32	97	4	800	Nb	10	—	10	*
Gorleston	1013.7	-1	SE	6	rs.	34	85	5	4000	Nb	10	—	10	*
Pulham														*
Felixstowe														*
Valencia (Cahirciveen)	997.9	-2	SE	3	bc/r	44	*	*	*	*	*	*	*	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1004.0	-2	SSE	3	b	45	92	8	—	—	—	—	—	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)...	*	*	*	*	*	40	*	*	*	*	*	*	*	*
Croydon	1010.2	-1	E	3	dd	40	97	4	450	St	10	—	10	*
Cleton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1010.2	-1	NE	4	rsf	41	97	1	<150	Nb	10	—	10	*
Scilly (St. Mary's) ...	1001.9	-5	SE'S	4	b+	50	97	8	4000	Cu Nb	3	—	3	*
Falmouth (Pendennis)	1004.7	-2	SSW	5	b+	48	85	7	2500	Cu Nb	3	—	3	*
Plymouth (Cattewater)														*
Portland Bill	1006.4	0	SSE	3	b-	48	85	7	—	—	—	Cu Cu	2	*
Southampton (Calshot)	1008.2	-3	E	2	ff o	43	97	1	800	St	10	—	10	*
Dungeness	1010.2	0	E	2	DD	45	97	5	2500	Nb	10	—	10	*
Jersey 7h } ... ... Guernsey 1h }	1010.3	-3	SSE	4	fb-	47	97	6	—	Cu Nb	4	—	4	*

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1019.1	-5	S	8	o	38	97	7	—	—	—	A.St	10	7
Stornoway	1006.2	-2	SSE	5	opr.	40	85	6	800	St	10	—	10	5
Wick	1012.4	-3	SSE	8	o	39	92	8	1500	St	10	—	10	8
Castlebay	1004.5	-2	E	5	pr.	40	92	6	800	Nb	10	—	10	6
Nairn	1010.4	*	ESE	3	c-	37	75	8	4000	StCu	7	—	7	3
Aberdeen	1014.6	-2	SE'S	5	o+	37	75	7	2500	Cu	10	—	10	6
Malin Head	1001.7	-4	S	2	o	40	97	6	5750	Nb	10	—	10	3
Renfrew	1008.4	-3	ENE	4	o	34	92	5	1500	St	10	—	10	*
Edinburgh (Inchkeith)	1010.3	-2	SE	4	orss.	35	85	7	—	Nb	10	—	10	4
Eskdalemuir	1009.3	-2	ENE	5	os.s.	31	85	6	1500	Nb	10	—	10	*
Tynemouth	1011.4	-3	SSE	5	o/r	35	85	6	4000	Nb	10	—	10	6
Blacksod Point ...	995.4	-3	SE	6	bc-	45	85	3	4000	Cu	4	—	4	7
Donaghadee	1005.0	-1	SSE	4	o+	40	92	7	—	—	—	A St	10	6
Birr Castle	?996.8	*	SE	3	o+	45	97	4	1500	Nb	9	—	9	*
Baldonnell	1000.4	-4	ESE	5	o-	44	92	6	800	Nb	10	—	10	*
Holyhead	1002.3	-4	E'N	4	b	40	92	6	4000	StCu	2	—	2	1
Liverpool (Bidston) ...	1005.6	-3	E'S	4	o/r	34	97	6	<150	Nb	10	—	10	4
Chester (Shotwick) ...	1004.9	-5	SSE	2	orr.	35	97	4	800	Nb	10	—	10	*
Spurn Head	1009.2	-2	ESE	6	o/r	34	97	5	1500	St	10	—	10	7
Nottingham	1008.0	*	E	3	oRR	33	97	4	2500	Nb	10	—	10	*
Cranwell	1009.3	-3	ESE	5	od.	32	97	4	800	St	10	—	10	*
Gorleston	1011.0	-2	SE'E	6	o	34	97	5	—	—	—	A St	0	6
Pulham	1009.4	-2	E'S	4	o	34	97	4	225	St	10	—	10	*
Felixstowe	1010.6	-1	ESE	3	orr	37	97	4	800	Nb	10	—	10	2
Valencia (Cahirciveen)	990.7	-8	ESE	5	cpr.	46	75	8	2600	St	8	—	8	—
Roches Point	993.4	-7	SE	5	oR-	46	97	6	1500	Nb	10	—	10	6
Pembroke (St. Ann's H.)	1000.2	-4	SE	4	bc-	45	92	7	1500	St	6	—	6	5
Ross-on-Wye	1004.4	-4	E	3	od.	40	97	4	450	St	10	—	10	*
Benson...	1005.4	-3	ESE	4	od.d.	40	92	4	—	Nb	10	—	10	*
S. Farnborough ...	1005.7	-4	ENE	3	ff o	40	97	2	<150	St	10	—	10	*
London (Kew Obsy.)...	1006.2	-4	E	4	orr	40	97	2	450	St	10	—	10	*
Croydon	1007.1	-3	SE	1	or.r.	40	97	3	450	St	10	—	10	*
Cleton-on-Sea ...	1008.5	-1	E	3	od.+	38	97	4	1500	St	10	—	10	0
Shoeburyness	1007.4	-3	ESE	2	od.d.	39	92	2	225	St	10	—	10	*
Grain	1007.6	-2	E	4	orr	39	97	4	450	Nb	10	—	10	0
Lympne	1007.2	-2	ESE	4	od.d.	41	97	1	<150	Nb	10	—	10	*
Scilly (St. Mary's) ...	994.4	-8	SE	7	o	49	97	7	4000	StCu	10	—	10	7
Falmouth (Pendennis)	998.0	-4	S'E	8	or.	49	85	6	2500	Nb	10	—	10	2
Plymouth (Cattewater)	1004	-5	SE	3	o	47	97	7	800	StCu	10	—	10	*
Portland Bill	1003.9	-3	SSE	4	c+	46	85	7	1500	StCu	8	—	8	5
Southampton (Calshot)	1004.3	-4	E	4	o/f	43	97	6	1500	St	10	—	10	0
Dungeness	1006.6	-2	SE	4	or.r.	44	97	5	2500	Nb	10	—	10	4
Jersey 7h } ... ... Guernsey 1h }	1002.4	-3	SE	5	o	47	92	8	4000	StCu	10	—	10	6

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 26th

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 18h.-9h. 25-26th mm.	Rainfall.† Day 9h.-18h. 26th mm.	Sunshine. Sunrise to Sunset 26th hr.	Sunshine. Sunrise to Sunset hr.
Banff	dmo	cbc	39	35	3	0.1	0.0	
Montrose	o	o	40	38	3	0.3	0.0	
Llandudno	ccb	cbco	50	38	0.3	—	1.8	
Colwyn Bay ...	co	bcc	48	37	—	—	1.4	
Rhyl...	c	co	46	31	0.3	—	0.1	
Southport	oco	o	43	37	2	—	0.2	
Blackpool	bc	o	42	38	2	—	0.1	
Harrogate	omsrp	dsrp	36	34	9	3	0.0	
Skegness	or	rq	39	27	6	2	0.0	
Aberystwyth ...	ocb	coo	51	42	—	—	1.0	
Bath	or	o	50	39	1	3	0.1	
Leamington Spa ..	o	od	44	34	2	0.4	0.0	
Lowestoft	or	orh	35	33	5	7	0.0	
Felixstowe	omd	omd	42	38	13	2	0.0	
Southend	of	fc	45	39	6	—	0.0	

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 18h.-9h. 25-26th mm.	Rainfall.† Day 9h.-18h. 26th mm.	Sunshine. Sunrise to Sunset 26th hr.	Sunshine. Sunrise to Sunset hr.
Paignton	bc	ec	56	46	—	—	2.5	
Ilfracombe	cp	co	53	44			1.8	
Bude	r	o	56	44	5.5	—	5.0	
Penzance	bcb	bcb	55	48	3	—	0.8	
Falmouth Observatory	bcb	bpcb	55	46	1	—	6.6	
Torquay	b	b	52	48	—	—	0.8	
Weymouth	o	opof	49	46	2	0.2	0.0	
Bournemouth ...	o	o	48	45	6	1	0.0	
Portsmouth (S'thsea)	bc	or	50	44	10	2	2.1	
Worthing	c	c	51	46	—	—	1.9	
Brighton	cbc	bcco	51	47	1	—	1.6	
Eastbourne	ocbc	bcco	50	45	2	—	1.6	
Hastings	ocbob	bcco	51	45	2	—	3.8	
Folkestone	o	o	42	31	3	—	0.0	
Tunbridge Wells ...	ofo	oom	49	44	2	—	0.0	
Ramsgate	o	o	44	40	6	—	0.0	
Margate	o	o	44	40	6	—	0.0	
Deal	bco	oo	47	43	6	trace	1.0	

* 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 21,982 SATURDAY.... JANUARY... 28th ...... 1922.

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	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1017.2	-2	SSE	7	o+	37	85	7	5750	StCu	5	A.Cu	9	•
Stornoway	1004.7	-1	ESE	8	bc-	41	85	6	—	–	-	A.Cu	5	•
Wick	1010.8	-2	SSE	8	o	39	92	8	5750	StCu	10	~	10	•
Castlebay	1002.0	-1	E	5	c/r	42	85	6	1500	CuNb	5	A.St	6	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1011.4	-3	SE'S	5	o	37	75	7	2500	StCu	10	–	10	•
Malin Head	997.8	-2	SSE	4	o	40	97	6	4000	St	10	-	10	•
Renfrew	1005.5	-4	NE	4	oss	34	85	4	800	Nb	10	-	10	•
Edinburgh (Inchkeith)	1007.2	-3	SE	4	o/s	36	85	7	–	StCu	10	—	10	•
Eskdalemuir	1006.1	-4	E'N	5	o/s	31	85	6	800	Nb	10	~	10	•
Tynemouth	1007.7	-5	SE	5	od₀	35	85	6	4000	Nb	10	-	10	•
Blacksod Point	–	-9	ESE	6	o	46	85	7	–	Nb	10	·	10	•
Donaghadee	1001.3	-5	SSE	4	o	40	85	7	4000	St	10	-	10	•
Birr Castle	991.4	•	SE	3	c	47	92	7	2500	Cu	6	A Cu	8	•
Baldonnell	995.4	-6	ESE	5	od₀	43	92	6	800	St	10	-	10	•
Holyhead	997.5	-6	E'N	6	o+	40	85	6	4000		5	A St	9	•
Liverpool (Bidston)	1000.3	-7	E'S	5	o	36	92	4	800	Nb	10	-	10	•
Chester (Shotwick)	1000.1	-6	SE	3	o/r	37	92	5	800	St	10	-	10	•
Spurn Head	1004.6	-5	ESE	4	od+	35	94	4	1500	St	10	-	10	•
Nottingham	1002.9	•	E	3	or+	34	94	3	1500	Nb	10	-	10	•
Cranwell	1004.7	-6	E	4	fo+	33	94	2	225	St	10	-	10	•
Gorleston	1007.3	-3	SE'S	6	o/r	36	94	5	-	-	0	A St	10	•
Pulham	1005.3	-4	E'S	4	o/r	36	94	4	225	St	10	-	10	•
Felixstowe	1006.2	-5	SE	4	orr	40	94	4	450	St	10	-	10	•
Valencia (Cahirciveen)	982.0	-7	ESE	6	orr	50	85	7	1500	St	10	-	10	•
Roches Point	985.8	-7	SE	7	orr	48	94	6	1500	Nb	10	-	10	•
Pembroke (St. Ann's H.)	992.5	-8	ESE	6	c	46	92	7	1500	St	8	-	8	•
Ross-on-Wye	998.1	-6	E'S	2	mino	43	94	5	800	St	10	-	10	•
Benson	999.9	-7	ESE	4	ffo	44	92	3	-	St	10	-	10	•
S. Farnborough	1000.4	-6	SE'E	3	fmmo	46	92	6	800	St	10	-	10	•
London (Kew Obsy.)	1000.9	-7	ESE	3	odd	43	94	2	800	Nb	10	-	10	•
Croydon	1002.1	-7	SE	3	off	44	94	5	450	St	10	-	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1003.4	-4	ESE	3	o/r	41	85	3	800	StCu	10	-	10	•
Grain	1002.9	-5	ESE	3	mo-	42	94	5	800	St	10	-	10	•
Lympne	1003.1	-6	SE	5	o	41	92	5	225	St	10	-	10	•
Scilly (St. Mary's)	985.6	-9	SE	7	oRR	49	94	6	800	St	10	-	10	•
Falmouth (Pendennis)	988.6	-14	SE	9	orr	48	85	5	2500	Nb	10	-	10	•
Plymouth (Cattewater)	993.1	-9	SSE	3	or+	47	94	7	450	Nb	10	-	10	•
Portland Bill	994.4	-6	S'E	6	o	46	85	7	450	St	10	-	10	•
Southampton (Calshot)	991.0	-7	ESE	5	o	45	85	7	1500	StCu	10	-	10	•
Dungeness	1002.7	-3	SE	5	o/r	43	94	6	450	St	10	-	10	•
Jersey	996.0	-6	SE	6	orr	47	92	8	1500	Nb	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	Height of Low Cloud. Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1014.5	-3	SSE	6	bc	36	75	7	4000	StCu	6	·	6	7
Stornoway	1001.2	-4	W	6	o+	38	85	6	450	St	10	·	10	5
Wick	1007.5	-4	SE	8	o	39	92	8	1500	St	10	·	10	8
Castlebay	998.5	-5	E	5	o	41	85	6	1500	CuNb	9	·	9	6
Nairn	1004.9	*	SE	3	c	36	85	8	4000	StCu	8	·	8	•
Aberdeen	1007.3	-4	SE'E	5	o	37	85	7	2500	Cu	10	·	10	6
Malin Head	995.4	-3	ESE	4	o	40	97	6	4000	Nb	10	-	10	4
Renfrew	1001.6	-4	ENE	6	o/rs	34	85	5	1500	St	10	·	10	•
Edinburgh (Inchkeith)	1003.8	-5	E	4	o	35	85	7	*	StCu	10	·	10	4
Eskdalemuir	1001.4	-6	NE	4	o	33	92	6	450	St	10	·	10	•
Tynemouth	1003.3	-6	SE	5	or₀	37	92	5	4000	Nb	10	·	10	5
Blacksod Point	986.6	-2	E'S	7	o+	44	92	4	-	StCu	9	-	9	8
Donaghadee	996.9	-4	SE	5	o	39	92	7	4000	St	10	-	10	6
Birr Castle	986.0	•	E	8	o+	44	94	6	1500	StCu	9	·	9	•
Baldonnell	990.3	-6	E'N	5	or₀	41	94	5	450	Nb	10	-	10	•
Holyhead	993.1	-4	E	6	o	39	92	6	2500	St	8	A St	10	4
Liverpool (Bidston)	995.1	-4	E	5	o/r	36	92	4	2500	Nb	10	-	10	6
Chester (Shotwick)	994.8	-4	SE	3	o/r	38	85	4	1500	St	10	·	10	•
Spurn Head	999.7	-5	ESE	7	o	38	94	5	450	St	10	-	10	6
Nottingham	998.1	•	E	4	o	38	94	5	1500	Nb	10	-	10	•
Cranwell	1000.1	-5	E'S	5	ffo	36	94	2	225	St	10	-	10	•
Gorleston	1002.9	-4	SE	6	fo	38	94	5	2500	St	10	-	10	6
Pulham	1000.2	-6	E'S	4	o/r	38	94	5	225	St	10	·	10	•
Felixstowe	1002.2	-5	SE'E	4	o/r	40	94	4	450	St	10	-	10	2
Valencia (Cahirciveen)	979.1	-3	E	5	or-	49	85	7		St	10	-	10	6
Roches Point	979.4	-7	SSE	6	o	46	92	7	1500	StCu	10	-	10	7
Pembroke (St. Ann's H.)	987.0	-7	ESE	7	orr	44	94	7	1500	Nb	10	-	10	5
Ross-on-Wye	993.0	-5	E	3	or₀+	44	92	6	1500	Nb	10	-	10	•
Benson	995.4	-4	ESE	4	o	43	85	4	*	StCu	10	-	10	•
S. Farnborough	995.4	-6	SE	4	orr	44	85	5	450	Nb	10	-	10	•
London (Kew Obsy.)	996.8	-5	SSE	4	mo	44	85	5	2500	St	10	·	10	•
Croydon	997.9	-4	SE	5	o	43	92	6	800	StCu	10	·	10	•
Clacton-on-Sea	999.8	-4	ESE	4	o/r	41	94	4	1500	St	10	·	10	4
Shoeburyness	999.1	-3	SE	5	mmo	41	85	4	1500	StCu	10	·	10	•
Grain	998.9	-5	ESE	5	o	41	92	6	800	St	10	-	10	3
Lympne	999.3	-6	ESE	5	o	41	85	6	450	St	8	A St	10	•
Scilly (St. Mary's)	983.7	+3	SW	5	oPR	47	94	7	4000	CuNb	10	-	10	7
Falmouth (Pendennis)	985.5	-2	SW	6	cr	48	85	6	2500	St	8	-	8	6
Plymouth (Cattewater)	988.0	-4	S	3	or₀+	49	85	8	450	Nb	10	-	10	4
Portland Bill	989.0	-6	SE	7	o	46	85	7	450	St	10	-	10	6
Southampton (Calshot)	993.2	-6	ESE	7	oRR	44	85	5	450	Nb	10	-	10	6
Dungeness	994.5	-7	SE	6	b	44	92	6	450	St	2	Ci.Cu	6	5
Jersey	991.9	-1	S	5	o/r	47	92	8	2500	StCu	10	·	10	6

LONDON OBSERVATIONS

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. 28th								Yesterday.		To-day.
Kew	of ofd	ofdom	orm₀	•	•	35	1	4	0.0	•	•
Croydon (24 hours ended 0700)	o₀Fd₀Y₀	om	or₀rm	•	•	39	1	5	0.0	•	•
Greenwich (Royal Obsy.)	od	od o	odob	44	40	36	0.3	5	0.0	94	89
City (Bunhill Row)	•	•	•	•	•	•	•	•	0.0	•	•
Westminster (St. James' Pk.)	•	•	•	46	40	36		5	0.0	90	90
Regents Pk. (Botanical Gdns.)	•	•	•	•	•	•	•	•	0.0	•	•
Camden Sq. (Brit. Rainfall)	m	om	•	44	39	36	0.3	7	•	98	96
Kensington Palace	ofe	o	•	45	40	36	0.4	5	•	90(184)	90
Hampstead Observatory	•	•	•	43	38	35	0.5	6	0.0	•	96

ATMOSPHERIC POLLUTION. Milligrams of Solid impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 27th

KEW OBSERVATORY.			
Max.	Time.	Min.	Time.
1.0	1700, 26th; 1200 27th	0.5	1500 27th
SOUTH KENSINGTON.			
Max.	Time.	Min.	Time.
1.0 / 1.3	1700 26th; 1000-1500 27th	0.3	0300-0500 27th

SOLAR RADIATION. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total .... joules

Average Rate .... Milliwatts.

Maximum Rate .... Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 27th 17 h. 30 m. to 28th 06 h. 45 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	13 15	1.5	8
δ Ursae Minoris	13 15	0.52	7

RADIO DISTURBANCES (Atmospherics) AT CROYDON.‡

Time.	Type.	No. per 4 sec.	Stren.	Direc.
[illegible]	C,C₂	8	-	155°
[illegible]	C,C₂	7	-	40°
[illegible]	C,C₂	7	-	20°
[illegible]	C,C₂	7	-	75°

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

28th & 29th JANUARY 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.44 / 7.42	12.6 / 12.6	4.28 / 4.30
Greenwich	7.47 / 7.46	12.13 / 12.13	4.39 / 4.40
Wick	8.30 / 8.28	12.25 / 12.25	4.19 / 4.22
Valencia	8.30 / 8.28	12.54 / 12.54	5.18 / 5.20

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow t thunder.
v unusual visibility. y dry air.
z dust haze: the turbid atmosphere of dry weather.
jp precipitation within sight.

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.

SEA DISTURBANCE.

0=no swell, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 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 Introduction. * Information for these columns not usually received. † The barometric change is expressed in half millibars. § For code see page 3.

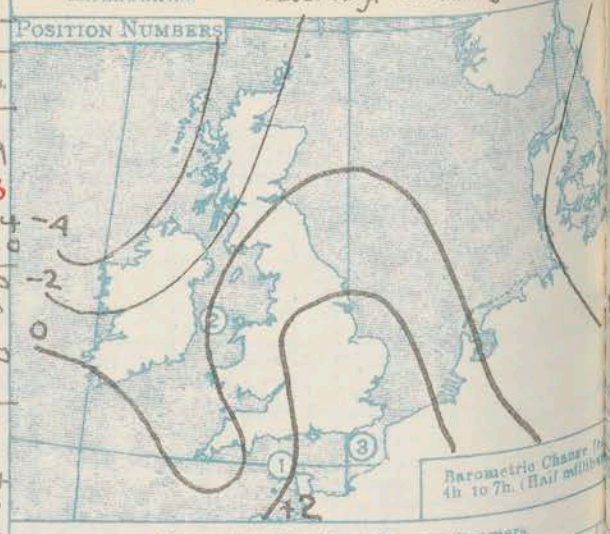
M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-15h. 27th	15h.-19h. 27th	19h. 27th to 1h. 28th	1h.-7h. 28th	TEMPERATURE. Max. Day. 7h.-19h.	Min Night. 19h.-7h.	Min. on Grass.	RAINFALL.† Day. 7h.-19h. mm.	Night. 19h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. Hours.
Lerwick	c	c	c	oo	38	35	•	-	-	-	-	•
Stornoway	c	c	c	oo	42	36	•	-	-	-	-	1·9
Wick	oo	oo	oo	oo	40	37	•	-	-	-	-	•
Castlebay	odpc	c.o	c.o	o.c	42	40	•	trace	0.1	-	-	0.3
Nairn	c		oo		38	35	•	-	-	-	-	0.4
Aberdeen	oq	oq lm	oq	roq	37	36	34	-	2	-	<2100	0.0
Malin Head	odqm	oo	oq	ir / qir	43	42	•	-	0.2	-	<2100	0.0
Renfrew	ors m ss	ors q	oq	r	35	34	33	0.6	1	12.30	<2100	0.0
Edinburgh (Inchkeith)	s(rs)	oo	p	p	35	35	35	2	0.6	-	0530	•
Eskdalemuir	o.s	oo	r or d		33	32	32	1	6	<0800	0430	0.0
Tynemouth	lm ld	rmq	irm	irm	37	37	•	0.6	1	11.00	<2100	•
Blacksod Point ...	p	oo	oo	p	46	42	•	-	trace	-	0630	•
Donaghadee	omq	omq	oq	omrq	41	39	•	-	1	-	2400	•
Birr Castle	cm	c.o	prc	c	44	43	40	trace	0.6	12.30	-	0.4
Baldonnell	oo	r.d	rmoq	RRq	44	40	40	0.1	15	12.30	<2100	0.0
Holyhead	o.c.o	oolm	omp	rabc	41	38	38	-	0.1	-	<2100	1.2
Liverpool (Bidston) ...	s(rs)	r.d	f or m		42	38	32	1	-	09.00	-	0.0
Chester (Shotwick) ...	orr om	oprm	oidm	om	38	37	36	2	0.1	<08.00	<2100	•
Howden												
Spurn Head	r.d	r.d	oo	r or d	39	33	•	1	5	09.00	2200	0.0
Nottingham	r.d m	om	iR		38	38	37	3	5	<08.00	<2100	0.0
Cranwell	d.f	f.m	r r	rrf	36	36	35	1	6	<08.00	2200	0.0
Gorleston	r.d	f.m	oo	orrh	39	38	37	1	2	<0800	0130	0.0
Pulham	r.d	r.d	r or d		38	38	37	1	4	<0800	2400	0.0
Felixstowe	r.d	r.d	r or d		41	40	39	2	6	<0800	<2100	0.0
Valencia (Cahirciveen)	c.orr	or	roco	orr	50	43	40	14	9	<0800	0230	0.0
Roches Point	rrr	rro	r or d		48	45	•	6	11	<0800	2400	•
Pembroke (St. Ann's H.)	c	c.orr	p	air	47	43	•	3	11	16.30	<2100	0.1
Ross-on-Wye	fomldg	om	rrmdd	ocd	45	41	34	0.5	10	09.00	<2100	0.0
Benson	om	dfc	ro	opc	45	42	35	0.1	4	<0800	<2100	•
S. Farnborough ...	rrrd	prr	r or d		46	41	36	1	5	<0800	<2100	0.0
London (Kew Obsy.) ...	df.fd	fd.om	orimo	oim	45	42	35	1	4	<0800	<2100	0.0
Croydon	difdr	om	orrim	opm	45	42	39	1	5	<0800	<2100	0.0
Clacton-on-Sea ...	oq	mp	oqm	oqmc	41	40	39	1	5	<0800	2400	0.0
Shoeburyness	r.d	f.m	r or d		43	36	30	0.3	7	<0800	<2100	0.0
Grain	f.m	f.m	r or d		43	39	34	0.2	5	<0800	<2100	0.0
Lympne	r.d	om	orrmq	rr omrrmbc	43	40	37	0.6	13	<0800	<2100	0.0
Scilly (St. Mary's) ...	r.d	p	opuqb	bcq	50	44	•	5	4	<0800	<2100	0.0
Falmouth (Pendennis)	or omr	omr.qb	cpbcb	bbcp	49	44	•	9	1	09.00	2400	0.0
Plymouth (Cattewater)	r.d	r.d	r or d		49	43	42	16	0.4	11.00	<2100	0.0
Portland Bill	oo	r.d	r or d	bcbc	49	42	•	5	3	15.30	<2100	•
Southampton (Calshot)	oo	r.d	r or d	c	46	42	40	4	6	16.30	<2100	0.0
Dungeness	dlm	oolm	rr	rr	45	43	•	trace	11	<0800	<2100	•
Jersey	ORR	ORRO	orb	b	48	45	•	4	0.5	09.00	2400	•

ISALLOBARS. Saturday, January 28th.

POSITION NUMBERS



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

Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea
	1200 27th	Reindeer	SE's	6	o+	48	51
	0300 28th	Brighton	SW	3	bcjp	47	48

GENERAL INFERENCE.

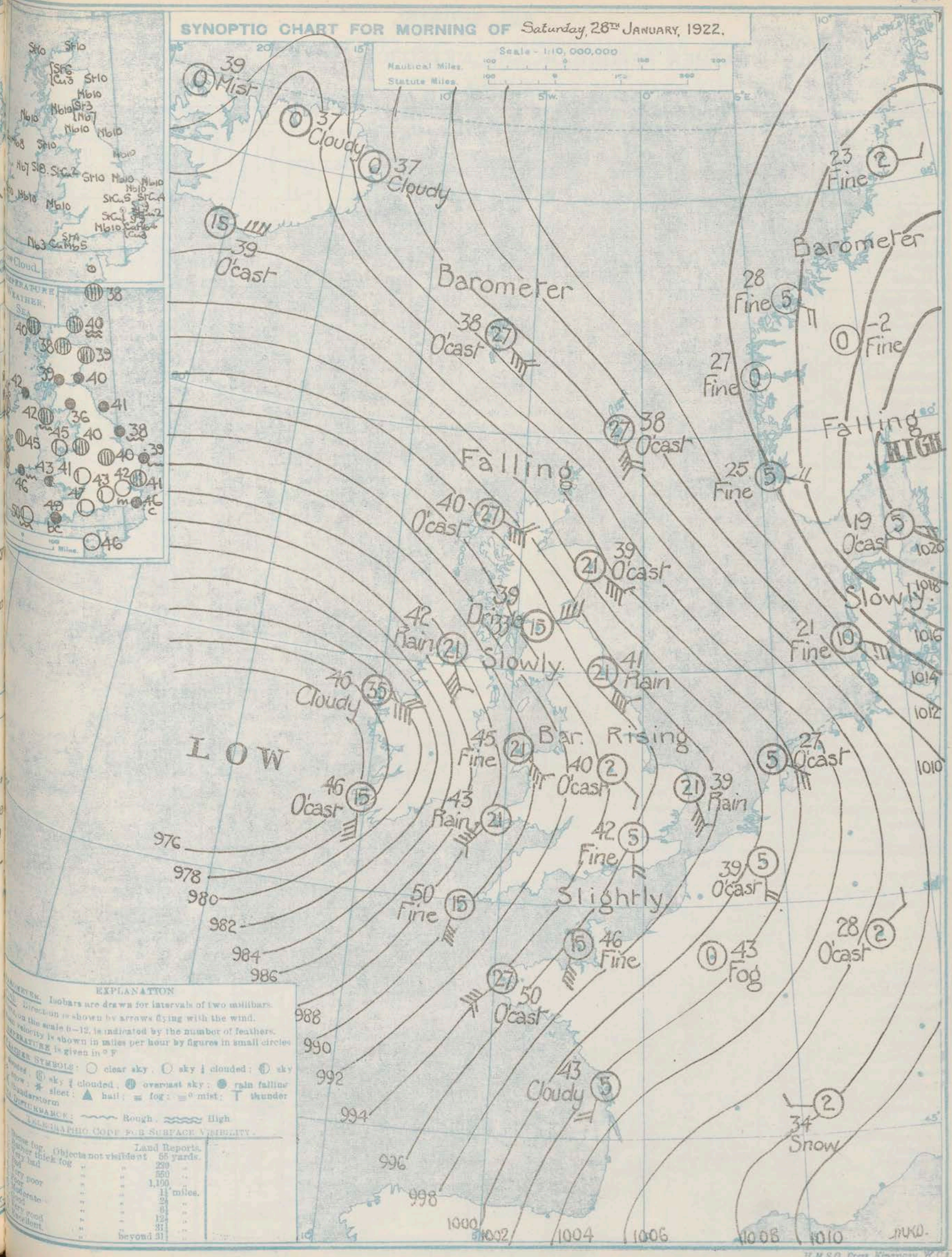
A depression to the Westward of Ireland appears to be moving in a Northwesterly direction. It will cause further occasional rain in many parts of the Kingdom, but in the South and South-East the weather will become fairer than of late.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Saturday, 28th January, 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Winds mainly between South and South-West, light or moderate; fair to cloudy generally, moderate temperature; local mist, but visibility mainly fair.	Rather unsettled weather, with the wind mainly from some Southerly point, and a moderate or mild temperature.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland	Wind between South-East and South, fresh to moderate; dull, some rain, then becoming fairer; moderate temperature.	
12. S.W. Scotland 13. Isle of Man	Wind South-Easterly, moderate or fresh; much cloud, some rain; moderate temperature.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind mainly South-East, strong to a gale, moderating later; dull, some rain; moderate temperature.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind from some Southerly point, moderate or fresh, strong locally; much cloud generally, occasional rain; rather mild.	

R.S.

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



H.M.S.O. Press, Kingsway, W.C.1

AIR MINISTRY

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. SATURDAY 28th JANUARY 1922. No. 28

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1012.0	-3	SSE	6	c	38	75	7	4000	Cu	8	-	8	*
Stornoway	1001.1	-2	SE	5	0	*	*	5	*	*	*	*	*	*
Wick	1004.3	-3	SE	8	0	38	97	8	800	St	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	989.7	-4	E	5	0/r	43	97	6	4000	St.Cu	10	-	10	*
Renfrew														*
Edinburgh (Inchkeith)	998.3	-5	E	4	0 br	38	97	7	-	Nb	10	-	10	*
Eskdalemuir														*
Tynemouth	999.0	-3	SE	6	0/r	40	92	5	4000	Nb	10	-	10	*
Blacksod Point ...	982.6	-4	E'N	7	0 Pr	43	85	?	-	Nb	10	-	10	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	985.4	-3	E'S	5	0 r	43	92	5	450	Nb	10	-	10	*
Holyhead	988.1	-2	E	5	0 r	*	*	6	1500	St	10	-	10	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	995.5	-3	ESE	6	0 rr	39	92	5	450	St	10	-	10	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	995.8	-4	E'N	5	0 r	38	97	5	800	Nb	10	-	10	*
Gorleston	997.8	-2	SE	6	0	39	97	5	-	-	0	A.St	10	*
Pulham														*
Felixstowe														*
Valencia (Cahirciveen)	976.4	-2	SE	3	c/r	45	85	5	*	*	0	A.St	7	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	987.7	+2	SSW	5	bc-	47	85	7	2500	Nb	6	-	6	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	*	*	*	*	*	42	*	*	*	*	*	*	*	*
Croydon	994.3	-1	SSE	1	0/r	43	97	6	800	St	10	-	10	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	994.9	+2	S	4	0 rr	43	97	5	225	Nb	10	-	10	*
Scilly (St. Mary's) ...	983.0	+2	W	7	bc	47	97	8	4000	Nb	4	-	4	*
Falmouth (Pendennis)	989.7	+4	SW	5	bc-	49	75	6	4000	Cu	4	-	4	*
Plymouth (Cattewater)														*
Portland Bill	992.6	+3	SW	5	b/r	45	85	7	-	-	0	-	0	*
Southampton (Calshot)	993.6	+3	S'W	3	b/r	43	92	7	2500	St	2	-	2	*
Dungeness	994.8	0	SW	4	0 rr	46	97	7	800	St	10	-	10	*
Jersey 7h } ... ... Guernsey 1h }	994.4	+2	SSW	5	0/r	44	92	7	7250	Cu.Nb	9	-	9	*

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1009.9	-1	SSE	6	0	38	75	7	-	-	0	A St	10	5
Stornoway	997.3	-1	ESE	6	0+	40	92	6	450	St	10	-	10	5
Wick	1002.0	+2	SE	8	0	43	97	7	1500	St	10	-	10	8
Castlebay	992.6	-4	ESE	5	0	44	85	7	1500	St	10	-	10	6
Nairn	998.5	*	SE	3	0	38	85	8	1500	St	9	-	9	3
Aberdeen	1001.5	-1	SE'E	5	0/r	39	97	7	2500	St	10	-	10	5
Malin Head	986.9	-3	SSE	5	0 r	42	97	6	4000	Nb	10	-	10	5
Renfrew	994.6	-2	ENE	4	0 d	39	92	6	800	Nb	10	-	10	*
Edinburgh (Inchkeith)	995.8	0	E	4	0 br	40	97	7	-	Nb	10	-	10	4
Eskdalemuir	995.2	-1	ESE	5	0 rr	36	92	6	1500	Nb	10	-	10	*
Tynemouth	997.5	-2	SE	5	0 r	41	92	5	4000	Nb	10	-	10	5
Blacksod Point ...	978.7	-4	E'S	7	c+	46	92	3	4000	Cu Nb	8	-	8	7
Donaghadee	989.9	0	SE	5	0	42	92	7	1500	St	10	-	10	7
Birr Castle	981.5	*	SE	3	c-	45	97	2	2500	Nb	7	-	7	*
Baldonnell	984.5	-1	ESE	4	0/r	45	92	6	800	St	8	A.St	10	*
Holyhead	988.6	0	SE'S	5	b+	45	85	7	2500	St.Cu	2	A-St	3	4
Liverpool (Bidston) ...	992.0	+1	ESE	4	0	40	92	6	1500	Nb	10	-	10	4
Chester (Shotwick) ...	991.2	+1	SE	2	0	41	92	7	1500	St	10	-	10	*
Spurn Head	995.0	0	SE	6	0 rr	38	97	5	4000	Nb	10	-	10	6
Nottingham	994.4	*	SE	1	0/r	40	97	5	-	-	0	A.St	10	*
Cranwell	995.7	0	ESE	3	0 d	37	97	3	450	Nb	10	-	10	*
Gorleston	997.9	-1	SSE	5	0 rr	39	97	5	4000	Nb	10	-	10	6
Pulham	996.5	-2	S	3	0 r	41	97	5	450	Nb	10	-	10	*
Felixstowe	998.2	0	SW'S	2	0-	42	97	6	2500	St.Cu	9	-	9	3
Valencia (Cahirciveen)	976.5	0	S	4	0/r	46	92	7	1500	St	10	-	10	*
Roches Point	981.3	+2	SW	5	0 rr	46	97	7	1500	Nb	10	-	10	7
Pembroke (St. Ann's H.)	989.4	+1	SSW	5	0	43	97	8	1500	Nb	10	-	10	5
Ross-on-Wye	993.1	+2	S	1	b-	41	92	8	-	-	0	Ci	2	*
Benson	994.4	+2	SSW	3	bc/r	42	85	6	-	St.Cu	5	-	5	*
S. Farnborough ...	995.4	+2	S	3	b+	43	97	6	2500	St.Cu	1	A Cu	2	*
London (Kew Obsy.) ...	996.3	+3	S	2	nb	42	97	6	-	-	0	A.St	1	*
Croydon	996.8	+4	S	3	c+	43	92	6	800	St	6	A.Cu	5	*
Clacton-on-Sea ...	996.7	+1	SSE	3	c/r	41	97	6	4000	Nb	7	-	7	0
Shoeburyness	996.7	+3	SW	1	b/r	41	92	6	4000	St.Cu	2	-	2	*
Grain	997.6	+3	SSW	2	bc	41	97	6	800	St	5	-	5	0
Lympne	997.6	+3	S	3	0/r	43	97	6	450	St	9	A St	10	*
Scilly (St. Mary's) ...	988.8	0	SSW	4	b	50	97	7	4000	Nb	3	-	3	7
Falmouth (Pendennis)	990.5	+2	SW	6	bdpr	49	85	6	4000	Cu Nb	5	-	5	4
Plymouth (Cattewater)	991.7	0	SSW	4	bcjp	50	97	8	1500	St	4	-	4	5
Portland Bill	994.9	+2	SW	5	b-	47	85	7	-	-	0	Ci.Cu	2	0
Southampton (Calshot)	995.4	+3	S	3	abr	46	92	7	2500	Nb	10	-	10	4
Dungeness	997.5	+3	SW	4	cr	46	97	8	1500	Cu Nb	7	-	7	3
Jersey 7h } ... ... Guernsey 1h }	996.1	0	SSW	4	b/r	46	92	8	-	-	0	-	0	3

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 27th

Stations	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 17h.-9h. 26-27 mm.	Rainfall.† Day 9h.-17h. 27 mm.	Sunshine. Sunrise to 17h. 27 hr.	Sunshine. Sunrise to Sunset. hr.
Banff	0	0	34	36	-	-	0.0	
Montrose	0	0	38	35	-	-	0.0	
Llandudno	0	0	38	36	0.3	-	0.0	
Colwyn Bay ...	0.c	0	39	36	3	-	0.0	
Rhyl	0	0	38	36	4	-	0.0	
Southport	0	0	34	34	3	-	0.0	
Blackpool	0	0	36	34	3	-	0.0	
Harrogate	0 sp	0 sp	32	31	9	3	0.0	
Skegness	or	To	38	34	4	1	0.0	
Aberystwyth ...	0.c.c	c.o.0	45	41	-	-	1.0	
Bath	0	0	44	44	0.3	-	0.0	
Leamington Spa ..	0.c	0.c	41	34	9	0.1	0.0	
Lowestoft	0	0	38	32	3	-	0.0	
Felixstowe	ond	ond	40	35	2	1	0.0	
Southend	of c	0 q	41	38	5	-	0.0	

Stations	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 17h.-9h. 26-27 mm.	Rainfall.† Day 9h.-17h. 27 mm.	Sunshine. Sunrise to 17h. 27 hr.	Sunshine. Sunrise to Sunset. hr.
Paignton	0 q . or q	or 0 q	49	39	mm. trace	mm. 11	0.0	
Ilfracombe	0.c.0	or	49	43	1	2	0.1	
Bude	or	or	50	40	-	8	0.1	
Penzance	or. 0	or. c	50	48	2	3	0.0	
Falmouth Observatory	0 q	r q c d	49	45	0.5	1	0.1	
Torquay	or	or	48	34	-	8	0.0	
Weymouth	0	or	44	45	-	4	0.0	
Bournemouth ...	0	0	46	41	1	2	0.0	
Portsmouth (S'thsea)	0	0	44	45	4	-	0.0	
Worthing	0	0	48	45	3	-	0.2	
Brighton	0	0	44	45	3	-	0.0	
Eastbourne ...	0	0	46	44	1	-	0.0	
Hastings	0	0.c.0	43	43	0.4	-	0.0	
Folkestone	f. mo	0	45	3	0.4	0.2	0.0	
Tunbridge Wells ...	of. od.0	0	44	41	3	0.3	0.2	
Ramsgate	0	0	41	34	0.6	-	0.0	
Margate	0	0	43	38	0.4	-	0.0	
Deal	00	0	42	39	trace	-		

* 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.21983 SUNDAY, 29th JANUARY 1922. Page 1.

Observations at 1300 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	Height of Low Cloud Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1008.4	-1	SSE	5	0	38	85	7	5750	St Cu	9	-	9	•
Stornoway	994.8	-2	ESE	6	0	42	92	6	800	St	10	-	10	•
Wick	1000.9	-1	SE	8	0	40	97	6	800	St	10	-	10	•
Castlebay	991.0	0	E	5	0	45	85	6	1500	St	9	-	9	•
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	•
Aberdeen	1000.2	-1	SE/E	6	0	39	92	6	1500	St	10	-	10	•
Malin Head	985.8	-2	SE	4	or₀	44	94	6	4000	Cu Nb	10	-	10	•
Renfrew	994.6	0	E	4	o/r	41	85	4	2500	St	9	A St	10	•
Edinburgh (Inchkeith)	995.9	-1	E	3	o/pr₀	39	92	7	*	Cu Nb	10	-	10	•
Eskdalemuir	995.1	0	ESE	3	o/r	37	92	6	1500	St	9	Ci St	10	•
Tynemouth	994.2	0	SE	3	o/r	39	92	6	4000	St Cu	10	-	10	•
Blacksod Point	978.2	+1	SE/E	7	c/r	46	85	7	-	Cu Nb	7	-	7	•
Donaghadee	990.6	+1	SSE	4	o/r	45	92	7	1500	St	10	-	10	•
Birr Castle	983.6		SE	3	c+	49	85	7	2500	St Cu	8	-	8	•
Baldonnell	987.2	+4	S/E	5	o-	47	85	7	2500	St	7	A St	9	•
Holyhead	990.6	+1	SSE	5	bc-	49	85	7	2500	St Cu	2	Ci	6	•
Liverpool (Bidston)	993.2	+1	SE	3	bc-	47	75	7	2500	Cu	6	-	6	•
Chester (Shotwick)	992.9	+2	SE	2	b	49	75	5	2500	St	3	Ci	4	•
Spurn Head	997.0	+2	SE	2	o/f	41	92	5	1500	St	10	-	10	•
Nottingham	995.8	•	SW	2	bc-	49	85	7	2500	Cu	5	-	5	•
Cranwell	996.7	+1	SE/S	4	c-	47	92	6	800	St Cu	8	-	8	•
Gorleston	1001.0	-1	S	3	c	43	92	5	-	-	0	A St	7	•
Pulham	998.7	+2	S	3	o/r	~~94~~ 93	6	1500	St Cu	10	-	10	•
Felixstowe	1001.[illegible]	+3	S	4	o+	43	94	7	4000	St Cu	4	A St	10	•
Valencia (Cahirciveen)	980.8	+5	S/W	6	or	47	85	7	1500	St	10	-	10	•
Roches Point	985.6	+3	SW	5	b-	50	75	8	2500	Cu Nb	2	-	2	•
Pembroke (St. Ann's H.)	991.3	+3	S	5	c	48	92	7	-	-	0	Ci St	7	•
Ross-on-Wye	994.4	+2	SSE	3	c+	51	75	8	4000	Cu Nb	7	Ci	8	•
Benson	996.7	+2	S	4	bc	48	75	8	-	Cu	5	-	5	•
S. Farnborough	997.3	+1	S/W	3	0	48	85	6	2500	St Cu	10	-	10	•
London (Kew Obsy.)	997.8	0	SSW	3	c	50	85	6	5750	Cu	7	Ci	8	•
Croydon	998.0	+1	S	3	c+	50	85	6	1500	Cu Nb	7	Ci	8	•
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	•
Shoeburyness	998.5	+2	S	2	bc+	48	85	7	4000	Cu	4	-	4	•
Grain	998.9	+1	S	4	c	47	85	8	4000	Cu	7	A St	8	•
Lympne	999.4	+1	S	4	o	46	92	7	450	St	9	A St	10	•
Scilly (St. Mary's)	990.7	+3	SSE	3	o	49	97	8	4000	St Cu	9	-	9	•
Falmouth (Pendennis)	992.4	0	SW	5	or	46	85	6	2500	St	10	-	10	•
Plymouth (Cattewater)	992.6	0	SSW	4	o	50	97	7	1500	St Cu	10	-	10	•
Portland Bill	994.6	+1	SSW	5	bc+	49	85	7	1500	St Cu	6	-	6	•
Southampton (Calshot)	996.8	+1	S/E	3	c+	49	85	6	2500	Cu ~~Nb~~	1 to	Ci	8	•
Dungeness	999.5	+2	SW	3	c	47	85	8	1500	Cu Nb	8	-	8	•
Jersey	996.0	0	S	4	o	49	95	8	4000	St Cu	10	-	10	•

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	Height of Low Cloud Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1007.4	-1	SSE	8	0	38	75	7	5750	St Cu	9	-	9	7
Stornoway	994.2	-1	ESE	4	c-	41	92	6	450	St	8	-	8	3
Wick	999.6	-2	SE	9	0	40	97	7	5750	St Cu	10	-	10	8
Castlebay	990.0	0	E	5	0	44	85	6	1500	St	10	-	10	6
Nairn	996.4		E	4	c	39	85	8	4000	Cu Nb	8	-	8	•
Aberdeen	999.6	0	SE/S	5	or₀r₀	38	92	6	1500	Nb	10	-	10	6
Malin Head	986.4	+1	SSE	2	c/r	45	94	7	4000	St	7	-	7	3
Renfrew	994.7	+1	EM/E	3	0	39	85	4	2500	St Cu	10	-	10	•
Edinburgh (Inchkeith)	996.0	0	SE	3	c-	38	97	7	*	St	2	A Cu	8	3
Eskdalemuir	996.3	+2	NE	1	0	37	92	6	1500	St	10	-	10	4
Tynemouth	997.4	0	SSE	3	b-	40	94	7	2500	St	3	-	3	4
Blacksod Point	979.4	+2	SSE	8	o/pr	46	75	5	-	Cu Nb	9	-	9	6
Donaghadee	991.5	+1	SSE	3	c-	46	92	7	2500	St	3	A Cu	8	4
Birr Castle	984.9	•	SE	3	c	47	94	6	2500	St Cu	8	-	8	•
Baldonnell	989.2	+3	ESE	2	o	44	85	7	4000	Cu	4	Ci St	7	•
Holyhead	992.3	+2	SE/S	4	o	46	83	6	1500	St Cu	9	A St	10	1
Liverpool (Bidston)	993.4	+2	SE	4	c+	46	85	6	2500	Cu	8	-	8	4
Chester (Shotwick)	994.1	+1	SE	2	cd₀d₀	45	85	4	800	St	8	-	8	•
Spurn Head	998.3	+1	SSE	4	b/f	40	97	5	1500	St	1	-	1	5
Nottingham	997.7	•	E	1	o+	42	97	7	800	St	2	-	2	•
Cranwell	998.9	+1	SE/E	3	b	40	97	4	4000	St Cu	2	-	2	•
Gorleston	1001.8	+1	S	3	c/r	40	97	5	2500	St	7	-	7	2
Pulham	1000.8	+1	SE/S	3	bc-	43	97	7	2500	Cu	4	-	4	•
Felixstowe	1002.4	+1	SE/S	3	b-	41	97	7	-	-	0	A St	3	1
Valencia (Cahirciveen)	981.9	+1	SW	4	o/r₀	46	92	7	800	St	8	A St	9	6
Roches Point	986.7	+1	SW	5	o/pr₀	47	85	7	2500	Cu Nb	10	•	10	6
Pembroke (St. Ann's H.)	993.0	+2	SW	3	o/R	46	92	8	2500	Nb	9	•	9	5
Ross-on-Wye	994.9	+1	SE	2	o/pr₀	46	92	7	1500	Nb	10	•	10	•
Benson	996.9	+1	SSE	4	o+	46	85	8	*	Cu	9	-	9	•
S. Farnborough	997.7	0	SW	3	c-	46	92	6	2500	St Cu	8	-	8	•
London (Kew Obsy.)	998.7	+1	SE	3	o+	47	85	6	2500	St	9	-	9	•
Croydon	998.9	+1	SE	3	o	45	92	6	1500	St	8	Ci St	10	•
Clacton-on-Sea	1000.5	+1	SSE	3	bc-	41	97	6	-	-	0	A St	5	0
Shoeburyness	1000.3	+2	S	1	bc+	41	92	7	4000	St Cu	4	-	4	•
Grain	1000.3	+2	SE	3	c	44	85	7	4000	St Cu	4	A St	8	0
Lympne	1000.2	+1	S/E	4	bc-	44	92	8	4000	St Cu	4	A St	6	•
Scilly (St. Mary's)	992.1	0	SW/S	5	o/pr	49	97	7	4000	Cu Nb	3	A St	10	7
Falmouth (Pendennis)	994.2	0	SW	2	c/r	45	85	7	4000	Cu	8	-	8	2
Plymouth (Cattewater)	994.3	-2	-	0	b-	44	97	6	2500	St Cu	1	A Cu	3	1
Portland Bill	994.6	0	S	6	or₀r	47	85	6	450	St	10	-	10	6
Southampton (Calshot)	996.6	0	SE	5	or+	46	92	7	2500	Nb	10	-	10	3
Dungeness	999.4	0	S	4	b-	46	92	8	-	-	0	A Cu	3	4
Jersey	996.6	0	S	4	o/r	49	85	8	4000	St Cu	10	-	10	3

London Observations	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. °F.	Temp. 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. 29th								Yesterday.		To-day.
Kew } 24 hours ended 0700	ocmc	coim	orpcp₀	*	*	39	0.1	1	3.8	*	*
Croydon } 24 hours ended 0700	obcpr₀	coim	cf₀omr	*	*	33	tra	2	2.9	*	*
Greenwich (Royal Obsy.)	b	o	bcor	52	41	34	-	1	4.4	78	90
City (Bunhill Row)	*	*	*	*	*	*	*	*		*	*
Westminster (St. James' Pk.)	*	*	*								
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*		*	-
Camden Sq. (Brit. Rainfall)	bcm	c	*	51	42	37	-	1	*	79	91
Kensington Palace	bc	bco	*	52	43	36	-	0.5	*	88 (18h)	94
Hampstead Observatory	*	*	*			*				*	

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.

Solar Radiation. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total .... joules

Average Rate .... Milliwatts.

Maximum Rate .... Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from ....h......m. to ....h......m.

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

Radio Disturbances (Atmospherics) at Croydon.¹

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C, C₂	7	-	155°
18h.	C, C₂	7	-	10°
01h.	C, C₂	8	-	175°
07h.	C, C₂	8	-	70°

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom.

29th & 30th JANUARY 1922

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.42 / 7.41	12.16 / 12.16	4.30 / 4.32
Greenwich	7.46 / 7.44	12.13 / 12.13	4.41 / 4.43
Wick	8.27 / 8.26	12.25 / 12.25	4.22 / 4.25
Valencia	8.28 / 8.27	12.54 / 12.54	5.20 / 5.22

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow. t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.
jp precipitation within sight.

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.

Sea Disturbance.

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

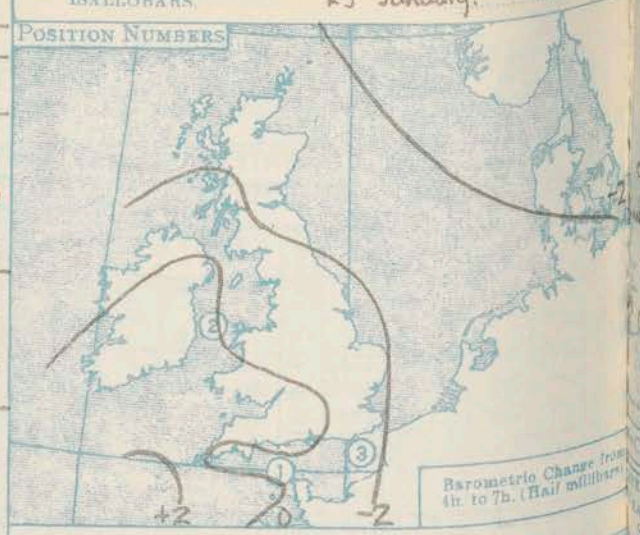
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

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. 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. Hours.
Lerwick	c	c	r or d	r or d	38	36	•	-	1	-	<2100	•
Stornoway	oo	oo	c	oo	42	40	•	-	-	-	-	0.0
Wick	omq	or.q	o ir.	ohir	40	39	•	1	0.3	16.30	<2100	•
Castlebay	do	ob	c.o	o.c	43	43	•	-	1.1	-	-	0.0
Nairn	oo		oo		41	37	•	-	-	-	-	0.8
Aberdeen	oq.im	oimrr	oqr.m	oim	39	37	37	2	1	15.30	<2100	0.0
Malin Head	oq.ir.	oq.ir	b or bc	oir.	45	44	•	1	0.5	<0800	0130	0.1
Renfrew	omid.	om	bccmm	coimq	41	37	34	0.1	trace	<0800	-	0.0
Edinburgh (Inchkeith)	r.d	oo	oo	oo	40	39	36	0.5	-	14.30	-	•
Eskdalemuir	or.o	ooq	oo		34	36	35	3	0.1	<0800	0630	0.0
Tynemouth	r.r.	cm	p.im	od.im	41	40	•	5	trace	<0800	2200	•
Blacksod Point ...	oo	r.d	p	p	47	39	•	2	6	15.30	0230	•
Donaghadee	oq.p	cp	dp	omrq	47	44	•	1	2	11.00	2400	•
Birr Castle	c.opr	c.opr	coir	co	51	43	38	1	4	<0800	<2100	2.9
Baldonnell	oorr	c	bcoprr	oorrm	51	43	35	3	2	09.00	<2100	3.0
Holyhead	bc.op.c	bc.op.o	ocpcb	borr	49	42	40	trace	1	09.00	<2100	3.7
Liverpool (Bidston) ...	o.bc	o.bc	b or bc		48	39	35	-	0.5	-	2400	3.9
Chester (Shotwick) ...	c	c.od.	opr	oo	49	38	36	trace	2	14.30	<2100	•
Spurn Head	f.m	f.m	b or bc	r or d	41	38	•	1	1	-	2200	0.0
Nottingham	c	o.bc	cp		49	39	33	-	1	-	0130	3.8
Cranwell	oo	o.bc	mr	cr	48	37	35	0.1	1	<08.00	2400	3.0
Gorleston	r.o.bcm	c ir	bcc.om	omid.	45	39	37	2	trace	<0800	2400	2.5
Pulham	r.d	c	p		48	40	35	0.1	1	<08.00	0330	2.7
Felixstowe	c	c	p		45	40	39	-	0.1	-	0530	1.7
Valencia (Cahirciveen)	oir	or.o	oop	ir.c	48	46	40	22	2	<0800	2200	0.0
Roches Point	r.cp.b	bc.cp.o	rro	rro	50	46	•	1	7	<0800	<2100	•
Pembroke (St. Ann's H.)	p	c ir	orr	b or bc	49	43	•	9	7	<0800	<2100	1.0
Ross-on-Wye	bc	o.cp.o	orr	oco	52	38	33	0.2	7	16.30	<2100	5.1
Benson	p.c	bc.o	ir	o	50	42	36	0.2	1	-	2200	•
S. Farnborough ...	r.d	c	r or d		49	39	32	0.5	5	<08.00	<2100	1.5
London (Kew Obsy.)	o.cm.c	c.oim	omcpc	ccpo	51	44	39	0.1	1	09.00	<2100	3.8
Croydon	o.bcpr	c.oim	cro	omr	50	42	39	trace	2	09.00	<2100	2.9
Clacton-on-Sea ...	c	bc	bcmc	bcmc	49	40	38	-	-	-	-	2.4
Sheerness	b.bc	b.bc	p		49	39	32	-	0.1	-	0530	3.2
Grain	c	c	b or bc		49	42	34	-	-	-	-	2.8
Lympne	oo	oo	bcprir	bcorir	46	42	39	-	1	-	2400	0.0
Scilly (St. Mary's) ...	p.	c	b or bc	b or bc	51	46	•	0.2	1	0900	<2100	1.6
Falmouth (Pendennis)	or	or.c	o.r or d		49	44		4	0.6	<08.00	<2100	1.0
Plymouth (Cattewater)	oo	r.d	cbcd	b.r or d	51	41	34	4	3	14.30	<2100	0.0
Portland Bill	o	r.d	r or d	b or bc	50	41	•	0.4	2	15.30	<2100	•
Southampton (Calshot)	oo	c	c	r or d	50	41	35	3	5	09.00	<2100	4.1
Dungeness	c	b.bc	p.r.	p.r.	48	45	•	trace	0.4	<08.00	<2100	•
Jersey	b.c	or.o	b	b or o	49	46	•	1	0.5	15.30	0230	?

ISALLOBARS. 29th January. 1922.



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea
2	26th 1000	Scotia	SSE	7	oc	47	48
3	29th 0300	Arundel	SSW	5	o	47	48

GENERAL INFERENCE.

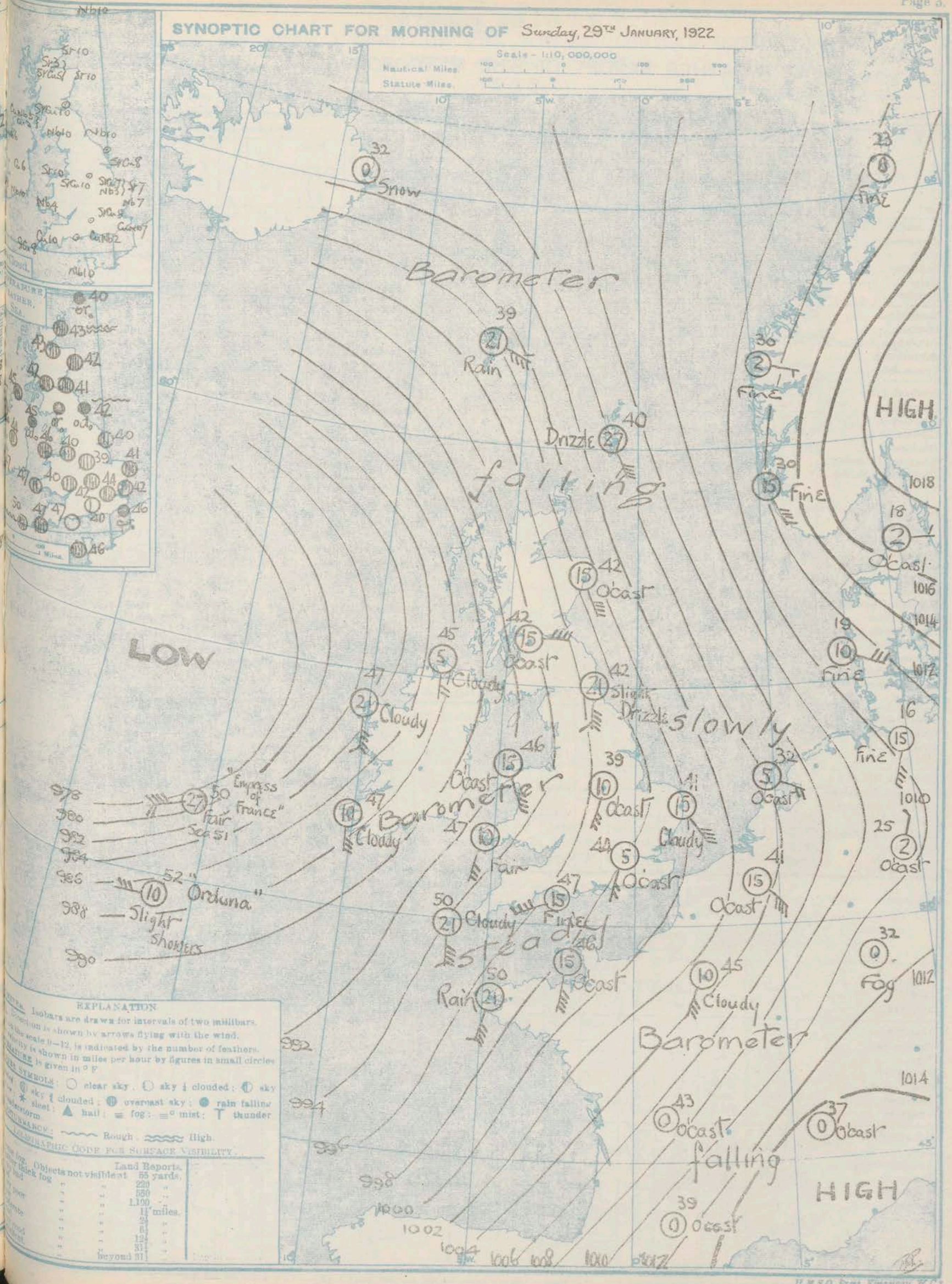
The depression to the West of Ireland will cause mild cloudy showery weather generally with moderate Southerly winds.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday, 29th January 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Light to moderate Southerly winds; much cloud, some showers; visibility moderate to good; rather mild.	
4. W. Midlands 5. S.W. England 6. South Wales	Light to moderate South-Westerly winds; much cloud, some showers; visibility good; mild.	Cloudy and unsettled with Southerly winds.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Same as 1 - 3.	
11. E. Scotland	Moderate to fresh Southerly winds; dull, some rain; visibility moderate to good; rather mild.	
12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides	Moderate South-East to South winds; much cloud, some rain; visibility moderate to good; rather mild.	
16. Orkneys and Shetlands	Same as 11.	
17. N.W. Ireland 18. N.E. Ireland	Moderate Southerly winds; much cloud, some rain; visibility moderate to good; mild.	
19. S.E. Ireland 20. S.W. Ireland	Same as 4 - 6.	

E.V.N.

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 14.45. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page


SYNOPTIC CHART FOR MORNING OF Sunday, 29th JANUARY, 1922
Scale - 1:10,000,000
Nautical Miles
Statute Miles
Barometer falling
LOW
HIGH
Barometer falling slowly
Barometer steady
Barometer falling
HIGH
Snow
Rain
Drizzle
Fine
O'cast
Cloudy
Slight Drizzle
Fair
Slight showers
Fog
"Empress of France"
"Orduna"
EXPLANATION
Isobars are drawn for intervals of two millibars.
Direction is shown by arrows flying with the wind.
Velocity is shown in miles per hour by figures in small circles
Temperature is given in °F
Land Reports.
Objects not visible at 55 yards.
Rough
High

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. SUNDAY, 29th JANUARY 1922. No. 29

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1004.8	-4	SSE	7	or	39	92	6	4000	Nb	10	-	10	*
Stornoway	995.6	0	SE	3	co	*	*	5	*	*	*	*	*	*
Wick	998.5	0	SSE	6	o/r	43	97	7	1500	St	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	986.3	-2	S	3	c+	45	97	7	4000	StCu	8	-	8	*
Renfrew														*
Edinburgh (Inchkeith)	996.8	+3	SSE	3	o+	41	97	7	-	-	0	A.St	10	*
Eskdalemuir														*
Tynemouth	998.4	+1	SSE	2	b/r	42	92	6	-	-	0	-	0	*
Blacksod Point ...	980.8	+5	WSW	2	o/r	46	92	?	-	CuNb	9	-	9	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	989.0	0	SE's	5	ovr	46	85	5	800	Nb	10	-	10	*
Holyhead	992.3	-1	SSE	4	b/r	*	*	8	-	-	0	-	0	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	998.4	-1	SE	5	o	39	92	5	450	St	10	-	10	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	998.2	0	SE'E	4	o&c	40	97	6	1500	Nb	10	-	10	*
Gorleston	1001.6	0	SE's	4	o+	40	97	5	4000	St	10	-	10	*
Pulham														*
Felixstowe														*
Valencia (Cahirciveen)	986.9	+3	W	4	bc/r	48	92	5	*	*	*	*	*	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	993.7	0	SSW	4	o/r	45	92	8	2500	Nb	10	-	10	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	*	*	*	*	*	45	*	*	*	*	*	*	*	*
Croydon	999.0	+1	S	3	bc/r	45	92	7	2500	StCu	2	ACu	4	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	999.8	0	S	4	bc-	44	97	7	2500	StCu	6	-	6	*
Scilly (St. Mary's) ...	995.8	+2	W's	4	b	50	97	8	-	-	0	-	0	*
Falmouth (Pendennis)	996.0	+4	SW	4	b/r	46	92	6	2500	CuNb	3	-	3	*
Plymouth (Cattewater)														*
Portland Bill	995.3	0	SSW	6	o&r	46	85	7	4800	St	10	-	10	*
Southampton (Calshot)	997.5	-2	WNW	2	o	44	97	7	1500	St	10	-	10	*
Dungeness	999.7	0	SW	3	bc-	47	75	8	-	CuNb	2	A.Cu	5	*
Jersey 7h } ... ... Guernsey 1h }	998.3	+3	SW	4	b/r	47	85	8	5750	Nb	3	-	3	*

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1004.3	-2	SSE	6	o&r	40	97	5	4000	Nb	10	-	10	5
Stornoway	990.1	-4	SE	4	o	43	85	7	800	Sv	10	-	10	4
Wick	996.5	-2	SSE	7	o/r	43	97	7	800	St	10	-	10	6
Castlebay	986.7	-3	SE	5	ovc	45	85	5	800	Sv	10	-	8	3
Nairn	994.9	*	E	1	c	43	85	8	1500	StCu	8	-	10	5
Aberdeen	998.3	-1	SE's	4	o/r	42	97	6	1500	St	10	-	10	5
Malin Head	985.0	-1	S	2	c/r	45	97	7	4000	CuNb	7	-	7	2
Renfrew	972.8	-1	E	4	o	42	92	6	2500	StCu	10	-	10	*
Edinburgh (Inchkeith)	995.3	-3	SSE	3	o	41	97	8	-	-	0	A.St	10	3
Eskdalemuir	994.6	-2	SE	4	o&+	38	92	6	1500	Nb	10	-	10	*
Tynemouth	996.5	-2	S	5	odd	42	97	6	4000	Nb	10	-	10	6
Blacksod Point ...	982.4	+5	S	5	bc-	47	97	4	-	CuNb	6	-	6	7
Donaghadee	990.4	0	SSE	3	odd	45	97	7	1500	St	10	-	10	2
Birr Castle	987.1	*	SE	1	bc-	44	97	5	4000	Cu	6	-	6	*
Baldonnell	989.3	0	S	4	c-	45	85	7	1500	St	8	-	8	*
Holyhead	991.4	-1	SSE	4	o/r	46	92	6	1500	St	10	-	10	1
Liverpool (Bidston) ...	993.4	0	SE	3	c+	40	85	8	2500	StCu	6	A.St	8	4
Chester (Shotwick) ...	993.5	-1	SSE	2	o	38	92	6	4000	StCu	10	-	10	*
Spurn Head	996.3	-2	SSE	4	c/r	40	97	5	4000	StCu	8	-	8	4
Nottingham	996.6	*	SSW	3	o+	39	97	7	-	-	0	A.St	10	*
Cranwell	997.4	0	SSE	4	o/r	40	97	6	800	StCu	10	-	10	*
Gorleston	1000.3	-1	SE's	3	c-	41	97	5	2500	St	7	-	7	4
Pulham	999.0	-2	SE	2	o/r	42	97	7	2500	StCu	10	-	10	1
Felixstowe	1001.1	-2	S'E	3	o	42	97	8	4000	StCu	10	-	10	*
Valencia (Cahirciveen)	987.7	0	S	3	c	47	85	8	1500	St	8	-	8	7
Roches Point	990.0	0	S	2	o	48	92	7	1500	Nb	10	-	10	6
Pembroke (St. Ann's H.)	993.7	0	SSW	3	bc	47	92	8	2500	Nb	4	-	4	*
Ross-on-Wye	996.2	0	SW's	1	o-	40	97	7	2500	StCu	9	-	9	*
Benson...	996.9	-1	S	2	c	42	92	7	-	Cu	7	-	7	*
S. Farnborough ...	997.7	0	SSE	2	b/r	40	97	6	-	-	0	ACu	1	*
London (Kew Obsy.) ...	998.2	-1	SSW	2	o/r	44	97	7	2500	StCu	9	-	9	*
Croydon	998.5	0	S	3	bc/r	42	97	7	5750	StCu	3	ACu	5	*
Clacton-on-Sea ...	998.7	-1	SSE	3	c	42	97	7	4000	Nb	7	-	7	0
Shoeburyness	998.6	-2	S	1	c/r	43	85	6	2500	StCu	8	-	8	*
Grain	998.8	-1	SE	1	bc	44	92	7	4000	StCu	4	A.St	6	0
Lympne	998.5	-2	S	3	o&r	43	97	7	800	Nb	9	A.St	10	*
Scilly (St. Mary's) ...	994.4	+2	S	5	c+	50	97	7	4000	StCu	8	-	8	6
Falmouth (Pendennis)	995.3	-1	SW	2	o/r	47	92	7	2500	Cu	10	-	10	0
Plymouth (Cattewater)	995.7	-1	SSW	2	b-	48	97	8	1500	St	1	-	1	*
Portland Bill	996.3	+1	WSW	4	b/r	47	85	7	-	-	0	-	0	5
Southampton (Calshot)	997.9	0	SSW	2	b/r	42	97	7	4000	CuNb	3	Cu	3	0
Dungeness	999.0	-1	SW	3	c&r	46	92	8	-	CuNb	7	-	7	4
Jersey 7h } ... ... Guernsey 1h }	998.8	0	S	4	o/r	46	85	9	1500	Nb	10	-	10	3

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 28th JANUARY

Stations	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 18h.-9h. 27th-28th mm.	Rainfall.† Day 9h.-18h. 28th mm.	Sunshine. Sunrise to Sunset 28th hr.	Sunshine. Sunrise to Sunset hr.
Banff	od	r	39	35	5	1	0·0	
Montrose	o	or	40	35	5	2	0·0	
Llandudno	c.cp	cp	51	34	0·1	0·3	2·2	
Colwyn Bay ...	c	c	51	34	-	-	1·8	
Rhyl...	c.bc	bc	49	34	0·2	-	3·3	
Southport	o.cd.c	bcd	49	36	0·4	-	2·4	
Blackpool	op.c	b.bc	47	35	1	-	1·2	
Harrogate	om	omf	39	32	-	-	0·0	
Skegness	or	opt	43	33	4	0·2	0·0	
Aberystwyth ...	r.c.p	c.oo	51	42	1	-	3·2	
Bath	b.bc	bc.c.op	51	38	4	0·3	2·9	
Leamington Spa ...	bc	b	52	36	2	-	6·5	
Lowestoft	c.bc	bc.o	45	38	4	0·2	2·3	
Felixstowe	bc	bc	43	39	5	-	1·4	
Southend	bc	bc	49	34	8	-	3·0	

Stations	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 18h.-9h. 27th-28th mm.	Rainfall.† Day 9h.-18h. 28th mm.	Sunshine. Sunrise to Sunset 28th hr.	Sunshine. Sunrise to Sunset hr.
Paignton	bcq or h	orp	50	41	7	5	0·9	
Ilfracombe	c.bc.c.o	or	51	43	1	5	1·2	
Bude	bc.c.o	r	52	43	0·4	5	1·6	
Penzance	or	or.bc	52	44	6	6	1·1	
Falmouth Observatory	c.or	r.bc	50	44	2	5	1·8	
Torquay	b	r	50	42	3	4	2·4	
Weymouth	c	c.oc.o	52	45	3	0·2		
Bournemouth ...	b.bcr	ber	50	43	3	16	3·1	
Portsmouth (S'thesea)	b	b	51	44	-	-	5·1	
Worthing	b	b	50	44	9	-	5·1	
Brighton	c.bc	bc.o.bc	49	45	9	-	4·5	
Eastbourne ...	bc	oo	50	43	12	0·1	3·3	
Hastings	o.c	c.bc	43	43	12	-	1·2	
Folkestone	o	o	48	35	11	0·4	0·0	
Tunbridge Wells ...	od, o.c	bc.c.o	50	41	10	1	0·4	
Ramsgate	bc	bc	47	39	5	-	1·1	
Margate	o	o	49	40	4	-	0·1	
Deal	o.bc	bc	47	40	9	-	0·4	

* 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. B21984. MONDAY 30th JANUARY 1922. Page 1.

Observations at 1800 G.M.T. 29th

Stations	Barom. at M.S.L. mb.	Change in 3 Hours	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility 0-9	Height of Low Cloud Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	10032	0	SSE	6	o/r	40	92	6	–	–	0	A.St	10	•
Stornoway	9897	0	SE	4	o	46	85	7	800	St	10	–	10	•
Wick	9962	0	SE	7	od	43	97	7	800	St	10	–	10	•
Castlebay	9874	0	ESE	5	opr	45	97	6	450	St	10	–	10	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	9965	-2	SE'S	5	o	42	97	6	1500	St	10	–	10	•
Malin Head	9871	+3	SSW	2	bct	47	97	8	4000	Cu	3	A.Cu	6	•
Renfrew	9922	-1	E	2	o/r	43	85	5	1500	St	10	–	10	•
Edinburgh (Inchkeith)	9936	-2	SE	3	or-	41	65	6	–	Nb	10	–	10	•
Eskdalemuir	9935	-1	SSE	4	orr	40	97	6	800	Nb	10	–	10	•
Tynemouth	9972	0	SSW	3	o/r	42	92	5	2500	St	10	–	10	•
Blacksod Point	9852	+4	S	6	c-	48	97	7	–	CuNb	8	–	8	•
Donaghadee	9919	+1	SW	2	bc-	48	85	8	–	–	0	A.Cu	4	•
Birr Castle	9896	•	S	1	o+	48	92	7	2500	St	9	–	9	•
Baldonnell	9905	-1	S	4	bc+	51	75	7	2500	Cu	2	Ci	6	•
Holyhead	9926	-1	SSE	4	c	49	85	7	–	–	0	A.St	8	•
Liverpool (Bidston)	9939	-1	SE'E	3	b-	40	85	8	4000	StCu	2	–	2	•
Chester (Shotwick)	9938	-1	S	3	b-	48	85	7	2500	St	3	–	3	•
Spurn Head	9969	-1	SE	3	mmo	41	97	4	450	St	10	–	10	•
Nottingham	9958	•	S	1	o+	46	97	6	1500	Nb	8	Ci.St	9	•
Cranwell	9973	0	SE	3	o	43	97	5	800	St	10	–	10	•
Gorleston	9992	-1	SE'S	4	or-	41	97	5	2500	Nb	9	–	9	•
Pulham	9978	-3	SSE	3	oro	46	92	6	1500	Nb	10	–	10	•
Felixstowe	9999	0	SSW	2	o-	45	85	6	4000	StCu	9	–	9	•
Valencia (Cahirciveen)	9881	0	SE'S	3	o/r	44	85	9	1500	StCu	5	A.St	10	•
Roches Point	989	0	WSW	3	o/R	49	92	7	1500	Nb	10	–	10	•
Pembroke (St. Ann's H.)	9932	-1	SE	3	o+	47	92	7	2500	St	4	Ci.Cu	9	•
Ross-on-Wye	9950	-3	SSE	2	bc	50	75	7	4000	CuN	4	Ci	6	•
Benson	9964	-1	S	1	b	53	85	7	–	Cu	3	•	3	•
S. Farnborough	9965	-2	S	2	o+	48	92	6	4000	St	2	Ci.St	9	•
London (Kew Obsy.)	9969	-4	S'W	2	c+	49	85	6	2500	Cu	4	Ci.St	7	•
Croydon	9977	+2	S	2	o/r	48	85	6	1500	StCu	6	Ci.St	9	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	9980	0	SSW	1	bc-	49	75	6	5750	StCu	5	–	5	•
Grain	9985	0	SSW	2	bc	51	75	8	4000	Cu	2	A.Cu	6	•
Lympne	9983	-1	S'W	3	o/r	45	97	7	800	St	9	A.St	10	•
Scilly (St. Mary's)	9915	-2	S'E	4	oR-	47	97	7	4000	Nb	10	–	10	•
Falmouth (Pendennis)	9902	-6	SW	4	o/r	47	85	6	4000	CuNb	10	–	10	•
Plymouth (Cattewater)	9926	-6	SE	2	oR	56	85	6	800	St	10	–	10	•
Portland Bill	9940	-3	WSW	4	o+	47	85	7	450	St	10	–	10	•
Southampton (Calshot)	9957	-6	E	2	o+	45	97	6	2500	St	3	A.St	10	•
Dungeness	9986	+1	SW	3	c+	47	92	7	–	–	0	A.St	7	•
Jersey	9937	-4	SSE	4	orr	45	92	8	1500	Nb	10	–	10	•

Observations at 1800 G.M.T. 29th

Stations	Barom. at M.S.L. mb.	Change in 3 Hours	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility 0-9	Height of Low Cloud Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1001.9	-1	SSE	6	o	39	92	6	–	–	0	A.St	9	5
Stornoway	989.6	0	SE	4	o	46	85	7	800	St	10	–	10	√
Wick	994.1	-2	SSE	7	oro	43	97	8	4000	Nb	10		10	8
Castlebay	989.0	+1	SSE	4	b/r	45	85	7	2500	CuNb	2	–	2	√
Nairn	990.8	•	SE	2	c-	40	92	7	4000	StCu	7	–	7	•
Aberdeen	995.4	-1	SSE	4	or+	42	97	6	1500	Nb	10	–	10	6
Malin Head	987.4	+1	S	2	c+	46	97	8	4000	CuN	7	–	7	1
Renfrew	992.6	+1	E	1	c-	40	92	6	1500	St	5	A.St	8	•
Edinburgh (Inchkeith)	993.2	0	S	2	o/r	43	92	7	–	StCu	9	–	9	•
Eskdalemuir	993.5	0	–	0	o-	39	97	6	1500	St	10	–	10	•
Tynemouth	995.7	-1	SSE	2	mo+	42	97	4	4000	Nb	10	–	10	4
Blacksod Point	986.0	+1	S	3	c+	47	85	7	–	CuN	8	•	8	1
Donaghadee	991.9	0	SSW	1	o+	47	92	7	–	–	0	Ci.St	9	1
Birr Castle	988.8	•	SSE	1	o	43	97	6	2500	Nb	9	–	9	•
Baldonnell	990.2	0	SE	2	o+	46	85	7	2500	StCu	7	A.St	9	•
Holyhead	991.8	-1	ESE	1	c+	43	92	7	4000	StCu	5	A.St	8	0
Liverpool (Bidston)	993.1	0	SE	3	c+	41	92	7	2500	Cu	7	–	7	3
Chester (Shotwick)	992.6	-1	SE	2	b-	41	92	4	4000	St	3	–	3	•
Spurn Head	994.5	-2	ESE	4	Fo+	40	97	1	450	St	10	–	10	3
Nottingham	994.0	•	ESE	1	bc-	43	97	6	1500	Nb	4	–	4	•
Cranwell	995.0	-2	E'S	2	o	42	97	4	800	StCu	10	–	10	•
Gorleston	996.4	-3	S'E	3	c	40	97	6	4000	Cu	7	–	7	2
Pulham	994.9	-3	SE'S ES	1	bc-	43	97	7	2500	Cu	6	–	6	•
Felixstowe	996.5	-4	S	2	o+	[illegible]	97	6	4000	StCu	9	–	9	1
Valencia (Cahirciveen)	989.0	+2	SSE	3		45	85	9						5
Roches Point	989.8	+1	SSW	2	or-	43	97	7	1500	Nb	10	–	10	4
Pembroke (St. Ann's H.)	991.4	-1	SE	3	o	45	92	7	2500	St	5	A.St	10	5
Ross-on-Wye	992.8	-2	E	2	me	42	92	5	•	•	0	A.St	8	•
Benson	992.9	-2	SE	2	o+	43	85	6	–	St	10	–	10	–
S. Farnborough	993.0	-4	E'N	2	o	45	92	6	2500	StCu	10	–	10	•
London (Kew Obsy.)	992.9	-4	ESE	2	o	45	85	5	2500	St	10	–	10	•
Croydon	993.5	-5	SE'E	2	o	43	92	6	1500	StCu	6	A.St	10	•
Clacton-on-Sea	994.8	-4	ESE	2	o+	41	97	6	7250	StCu	10	–	10	0
Shoeburyness	994.0	-5	SE	1	o+	42	85	6	4000	StCu	9	–	9	•
Grain	994.1	-4	ENE	1	o+	41	97	8	4000	StCu	10	–	10	0
Lympne	993.5	-5	SSE	4	o	45	97	7	800	St	10	–	10	•
Scilly (St. Mary's)	989.8	-1	WSW	4	orr	47	97	7	4000	Nb	10	–	10	6
Falmouth (Pendennis)	990.6	0	S	4	obr	46	85	5	4000	CuN	9	–	9	6
Plymouth (Cattewater)	991.4	0	SSE	3	orr	45	97	7	450	Nb	10	–	10	1
Portland Bill	991.7	-3	WSW	5	o	47	85	7	2500	St	10	–	10	5
Southampton (Calshot)	991.6	-2	NE	3	or	45	97	6	1500	Nb	10	–	10	3
Dungeness	992.4	-7	S	3	o	46	97	7	5750	Nb	10	–	10	5
Jersey	990.7	-2	NE	6	orr	48	92	8	1500	Nb	10	–	10	3

LONDON OBSERVATIONS — 24 HOURS ENDED 0900 G.M.T. 30th

London Observations	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. °F.	Temp. Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)
Kew	o. m. bc	cm. om	om. bri	•	•	41	tr.	tr.	2.6	•	•
Croydon } 24 hours ended 0700	b. omp	om	or₀ om	•	•	40	1	02	2.5	•	•
Greenwich (Royal Obsy.)	c.occ	o.o.om	•	50	39	32	03	–	0.9	82	93
City (Bunhill Row)	•	•	•	•	•	•	•	•	0.0	•	•
Westminster (St. James' Pk.)	•	•	•	51	42	38	–	–	0.8	79	92
Regents Pk. (Botanical Gdns.)	•	•	•	•	•	•	•	•			
Camden Sq. (Brit. Rainfall)	•	•	•	50	41	39	–	–	•	•	92
Kensington Palace	bc.o	o	•	52	42	41	–	–	•	86 (17h)	96
Hampstead Observatory	•	•	•	44	39	34	h	–	0.4	•	98

ATMOSPHERIC POLLUTION. Milligrams of solid impurity per cubic metre. 24 Hrs. ended 1800 G.M.T. ....

South Kensington	Max.	Time.	Min.	Time.

Kew Observatory	Max.	Time.	Min.	Time.

SOLAR RADIATION. Vertical component per square centimetre. During yesterday. South Kensington. Total .... joules. Average Rate .... Milliwatts. Maximum Rate .... Milliwatts.

POLE STAR RECORD at Greenwich Obsy. Exposure from 29th 14 h. 45 m. to 30th 6 h. 45 m.

Stars	Exposure h. m.	Record h. m.	Record %
Polaris	13 0	0 26	3
δ Ursae Minoris	13 0	Nil	0

RADIO DISTURBANCES (Atmospherics) AT CROYDON

Time.	Type.	No. per 5 sec.	Stren.	Direc.
18h.	C, C₂	7	–	150°
19h.	C, C₂	7	–	145°
01h.	C, C₂	7	–	140°
07h.	C, C₂	7	–	55°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 30th & 31st Jany 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7 41 / 7 40	12 6 / 12 7	4 32 / 4 34
Greenwich	7 44 / 7 43	12 13 / 12 14	4 43 / 4 45
Wick	8 26 / 8 24	12 25 / 12 26	4 25 / 4 28
Valencia	8 27 / 8 26	12 54 / 12 55	5 22 / 5 24

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow. t thunder.
v unusual visibility. y dry air.
z dust haze: the turbid atmosphere of dry weather.
tp precipitation within sight.

With present weather is combined, whenever possible, the general character of the weather. A "solidus" divides actual existing weather from preceding conditions, thus:—b/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.

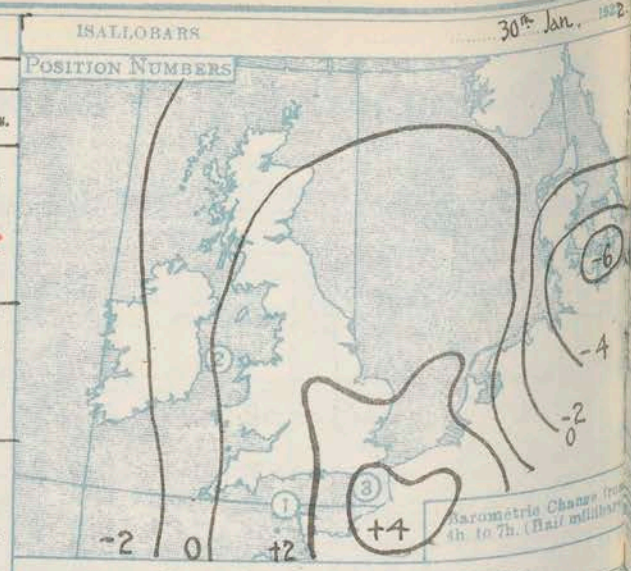
SEA DISTURBANCE.
0=no swell } Calm or
1=mod. swell } slight
2=heavy swell } sea.
3=no swell } Moderate
4=mod. swell } sea.
5=heavy swell }
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

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. 29"	13h.-18h. 29"	18h.-1h. 29 to 30	1h.-7h. 30"	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAIN'FALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. Hours.
Lerwick	r or d	oo	oo	oo	40	34	•	1	trace	L0800	< 2100	•
Stornoway	oo	oo	b. bc	c	46	40	•	-	-		-	0·0
Wick	o d. g	o i r. g	o r. r.	oo	43	40	•	1	2	L0800	< 2100	•
Castlebay	o d p	o d p. b	b. o	o p. o f	47	44	•	0 5	2		-	0·0
Nairn		c	oo		46	36	•	-	-	-	-	1·5
Aberdeen	o i m o	o m d r	R R m	r r o m	43	41	40	4	12	1320	< 2100	0·0
Malin Head	c	b r b c	r. r.	c r. r.	49	40	•	-	1	-	22·00	2·8
Renfrew	o q d	m a m i d	b c o m x	o m m x	44	31	24	50·9	trace	1430	-	0·0
Edinburgh (Inchkeith)	r o d	r o d	oo	oo	43	39	35	5	trace	11·00	-	•
Eskdalemuir	r o d	o r o	oo		42	34	32	8	-	11·00	-	0·0
Tynemouth	i d. i m	i d. m	m p. 1 f	1 1 f	43	41	•	0·3	1	L0800	< 21·00	•
Blacksod Point ...	p	n o r h	h (th)	p	49	43	•	2	4	1430	02·30	•
Donaghadee	b c	b c	b c m y	o r r	50	41	•	0·1	2	L0800	02·30	•
Birr Castle	c o	c r. r.	c m. b c	b c	48	34	33	2	0·2	23·30	< 21·00	0·0
Baldonnell	b g b e	c	o r r i m	o r r m. b	51	34	30	-	3	-	< 21·00	4·4
Holyhead	o b c	c b e	c. b c. c. o	o r r	49	40	38	-	5	-	02·30	3·7
Liverpool (Bidston) ...	b. b c	b o r b e	F		44	34	31	-	0·3	-	01·30	4·7
Chester (Shotwick) ...	~~b r b c~~ o p r. b	c	b c. o m	o o i f r r f	48	38	33	trace	trace	L0800	06·30	•
Spurn Head	F	F	F	F	40	36	•	0·3	0·4	1630	•	0·0
Nottingham	c p.	c p.	F		47	32	30	0·1	-	11·00	-	0·5
Cranwell	o o	c	f c	f c f c	45	32	30	trace	0·1	1230	-	1·0
Gorleston	c m i r	c	b. b c c	b c. o f c	42	34	33	1	trace	L0800	-	1·4
Pulham	p	c	f. m		48	34	33	0·3	-	L0800	-	0·9
Felixstowe	o o	b. b c	f. m		46	34	38	-	trace	-	-	2·3
Valencia (Cahirciveen)	o i r.	o	o. b c p	b c. c p	44	43	34	1	3	1430	< 21·00	0·0
Roches Point	p	r o d	r. d		50	41	•	7	4	L0800	< 21·00	•
Pembroke (St. Ann's H.)	c	o o	o d. d.	o d. d c	49	43	•	-	1	-	< 21·00	1·0
Ross-on-Wye	b c o b e	c	o m. c m	f f c F	51	38	33	-	trace	-	-	3·2
Benson...	b o r b c	c	c. o	o f c	49	35	29	trace	trace	-	-	•
S. Farnborough ...	c	o o	f. m		49	40	35	-	-	-	-	2·1
London (Kew Obsy.)	o b m c i m	o m o o m	o i m. o	o b w	49	41	41	trace	trace	-	-	2·6
Croydon	b o m p	o m	o r. 1 m	o m	49	41	40	1	0·2	11·00	< 21·00	2·5
Clacton-on-Sea ...	c e	b e c o	o g	o g m	45	38	38	-	-	-	-	3·1
Shoeburyness	c	b o r b e	r. d		52	39	34	-	1	-	< 21·00	4·2
Grain	b o r b c	o o	o o		51	39	34	-	2	-	< 21·00	3·1
Lympne	o r o p c r r	o o i m o	r. d	o o	47	39	34	1	6	L0800	< 21·00	1·1
Scilly (St. Mary's) ...	r o r d	r o r d	o g r	b. b c	52	46	•	10	0·6	1100	< 21·00	0·0
Falmouth (Pendennis)	b b c o p	o m p	b c m. b c	b c p. b c	50	45	•	2	2	0900	< 21·00	0·0
Plymouth (Cattewater)	r o r d	r o r d	r. d		50	42	36	5	6	L0800	< 21·00	0·0
Portland Bill	r o r d	o o	c	r. d	50	42	•	-	2	-	22·00	•
Southampton (Calshot)	c	r o r d	r. d	c	45	39	34	0·3	7	1530	< 21·00	1·2
Dungeness	c	o o	r r	i r	48	41	•	0·3	9	L0800	< 21·00	•
Jersey	o r r	o r r o	o i o o	o, 2 g	46	43	•	13	2	0900	22·00	•



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea.
2	1000 29th	"Scotia"	SW	4	b	48	50
3	0300 30th	"Brighton"	WNW	4	bcjp	47	48

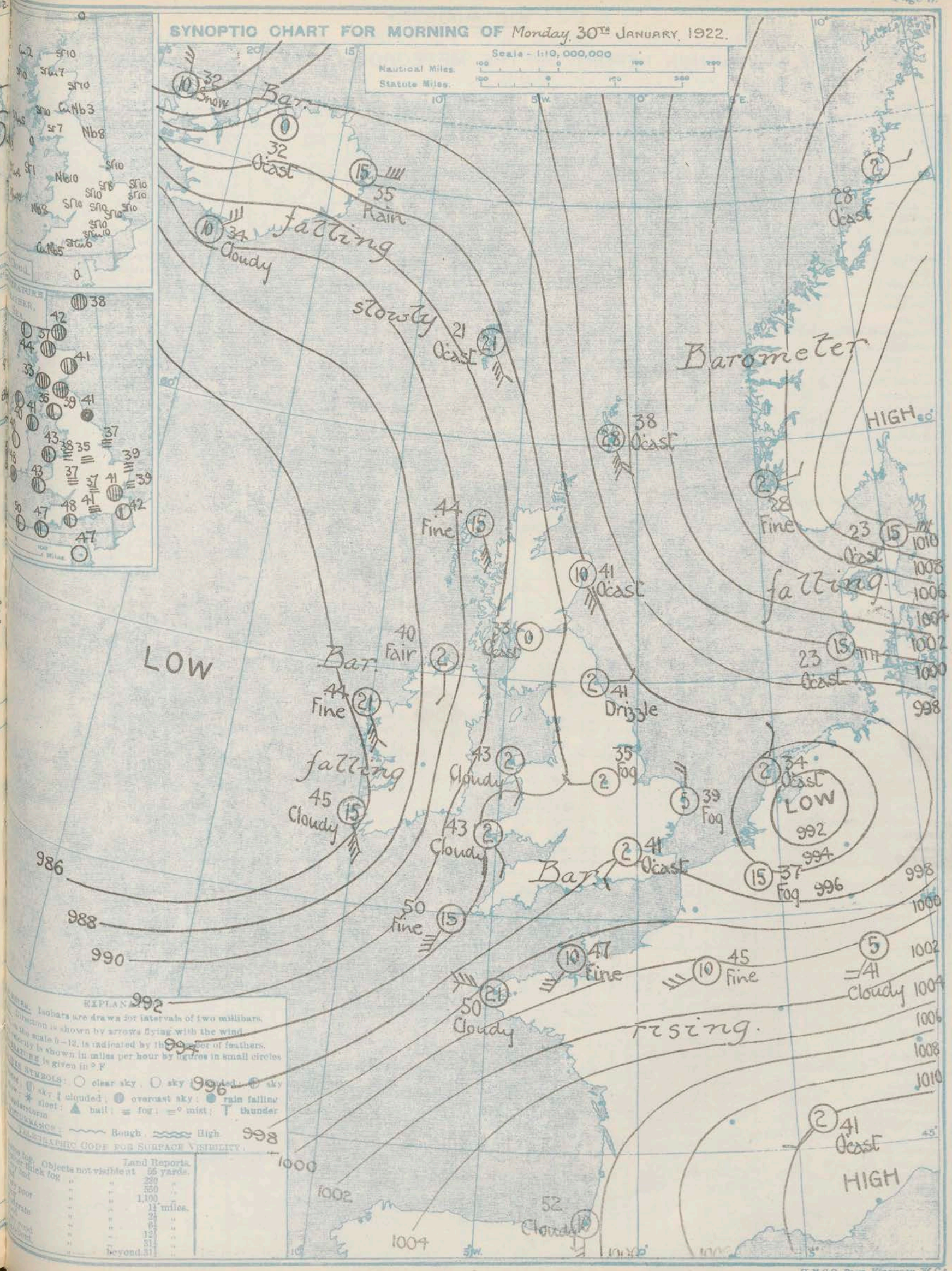
GENERAL INFERENCE.

The large depression off the West of Ireland shows a tendency to move slowly Eastward and the anticyclone over Scandinavia continues to diminish in intensity. It is probable that winds will be mainly Southerly or South-Westerly during the next day or two, with a rather high temperature and rain in places.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Monday, 30th January, 1922.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Light S. to S.W. wind; mainly fair, some local mist; milder.	None issued.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Wind S. to S.W., moderate or fresh; cloudy, rain in places; visibility moderate; mild.	
9. N. Midlands 10. N.E. England 11. E. Scotland	Wind S.E. to S., light or moderate; cloudy or dull, local showers, some mist; rather mild.	
12. S.W. Scotland 13. Isle of Man	Wind S.E. to S., moderate or fresh; cloudy, rain at times; visibility moderate; mild.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind S.E. to S., fresh or strong; dull, some rain; visibility moderate; rather mild.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind S.E. to S.W., fresh; cloudy, some rain; visibility moderate; mild.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 09.20. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION MONDAY, 30th JANUARY 1922. No. 30

Observations at 0100 G.M.T. 30

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1000·7	0	SSE	6	od	39	92	6	-	-	0	A St	10	0
Stornoway	991·9	0	SSE	2	bc	0	0	6	0	0	0	0	0	0
Wick	994·0	0	SSE	6	o/r	42	97	7	800	St	10	-	10	0
Castlebay	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nairn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aberdeen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malin Head	989·0	+3	S	1	odd	43	97	7	4000	Nb	10	-	10	0
Renfrew														0
Edinburgh (Inchkeith)	993·9	+2	S	2	0	40	97	7	-	-	0	A St	10	0
Eskdalemuir														0
Tynemouth	995·3	0	-	0	o/r	42	97	4	4000	Nb	10	-	10	0
Blacksod Point														0
Donaghadee	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Birr Castle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Baldonnell	991·8	+1	SE	1	o/r	41	92	6	800	Nb	10	-	10	0
Holyhead	991·9	0	S'E	1	o+	*	*	7	2500	Cu Nb	10	-	10	0
Liverpool (Bidston)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chester (Shotwick)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spurn Head	993·5	0	SW	2	Fo	40	97	1	1450	St	10	-	10	0
Nottingham	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cromer	994·5	0	NW	1	c/f	35	97	11	2500	St Cu	8	-	8	0
Gorleston	993·7	-1	E'N	3	b+	39	97	6	-	-	0	A St	3	0
Pulham														0
Felixstowe														0
Valencia (Cahirciveen)	988·7	+2	SSE	2	bc/pl	46	92	5	0	Nb	6	-	6	0
Roches Point	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pembroke (St. Ann's H.)	993·3	+2	E	1	od	45	92	8	1500	Nb	10	-	10	0
Ross-on-Wye	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Benson	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S. Farnborough	0	0	0	0	0	0	0	0	0	0	0	0	0	0
London (Kew Obsy.)	0	0	0	0	0	42	0	0	0	0	0	0	0	0
Croydon	993·9	+3	-	0	o/r	42	97	6	1500	St	8	A St	10	0
Clacton on-Sea	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shoeburyness	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grain	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lympne	991·9	+1	S	2	o/r	42	97	6	800	Nb	10	-	10	0
Scilly (St. Mary's)	994·7	+4	NW	5	b	49	97	9	4000	Cu Nb	2	-	2	0
Falmouth (Pendennis)	994·3	+6	SW	3	bc	46	85	6	1500	St	5	-	5	0
Plymouth (Cattewater)														0
Portland Bill	998·7	+1	SW	3	bc	46	85	7	1500	St Cu	6	-	6	0
Southampton (Calshot)	993·9	+3	-	0	bc	41	97	8	1500	St Cu	4	-	4	0
Dungeness	992·2	+1	NNW	4	o	41	97	7	4000	Nb	10	-	10	0
Jersey (Th.) / Guernsey (Th.)	994·4	+3	WSW	5	bc	45	85	7	5450	St	4	-	4	0

Observations at 0700 G.M.T. 30

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	999·9	-1	SSE	6	0	38	92	6	-	-	0	A St	10	5
Stornoway	990·6	0	SSE	4	b	44	85	7	4000	Cu	2	-	2	4
Wick	994·2	0	SSE	5	0	42	97	8	800	St	10	-	10	7
Castlebay	98470		SE	5	mmo	45	92	5	800	St	10	-	10	6
Nairn	992·8	0	-	0	0	37	85	7	4000	St Cu	9	-	9	5
Aberdeen	995·6	0	SE'S	3	o/r	41	97	4	1500	St	10	-	10	5
Malin Head	988·9	0	S	1	bc/r	40	97	8	5450	St Cu	5	-	5	1
Renfrew	992·7	0	-	0	0	33	97	4	1500	St	10	-	10	0
Edinburgh (Inchkeith)	993·8	0	SE	1	0	39	78	8	*	Cu Nb	3	A St	10	2
Eskdalemuir	994·4	0	-	0	c	35	97	6	1500	St	7	-	7	0
Tynemouth	995·2	0	E	1	od	41	97	5	4000	Nb	8	-	8	3
Blacksod Point	986·2	-3	SE'S	5	b	44	92	4	4000	Cu Nb	3	-	3	6
Donaghadee	992·4	0	SSW	1	bc	41	97	6	-	-	0	A St	6	0
Birr Castle	989·0	0	SSE	1	bc	40	97	4	4000	St Cu	4	-	4	0
Baldonnell	991·6	0	SE	1	b	37	92	7	1500	St	1	-	1	0
Holyhead	993·0	0	SSE	1	c	43	97	7	1500	Nb	8	-	8	3
Liverpool (Bidston)	993·6	0	SE	3	Fo	38	97	1	225	Nb	10	-	10	0
Chester (Shotwick)	993·1	0	SSE	3	o/r	40	97	3	800	Nb	10	-	10	0
Spurn Head	994·3	+1	SSW	2	ffo	37	97	2	1450	St	10	-	10	3
Nottingham	995·2	0	W	1	fo	35	97	2	1450	St	10	-	10	0
Cromer	995·8	+2	W	3	ffc	34	97	1	1450	St	8	-	8	0
Gorleston	995·3	+2	N	2	Fo	39	97	1	2500	St	10	-	10	0
Pulham	995·7	+1	W'N	1	ffo	37	97	2	225	St	10	-	10	0
Felixstowe	996·9	+3	-	0	Fo	38	97	1	<150	St	10	-	10	0
Valencia (Cahirciveen)	985·7	3	SSE	4	c	45	85	8	4000	St	7	-	7	4
Roches Point	988·9	-3	SW	4	o	48	92	7	1500	St Cu	10	-	10	4
Pembroke (St. Ann's H.)	994·0	+1	SE	1	co	45	97	8	1500	Nb	8	-	8	0
Ross-on-Wye	995·1	+1	~~NW~~	1	ffo	39	97	1	<150	St	10	-	10	0
Benson	995·7	+2	-	0	ffo	37	92	3	*	St	10	-	10	0
S. Farnborough	996·2	+2	-	0	mo	41	97	4	1500	St	10	-	10	0
London (Kew Obsy.)	995·9	+3	SW'S	1	o	41	97	5	1500	St	10	-	10	0
Croydon	996·5	+3	SE	1	o	41	97	5	800	St	8	A St	10	0
Clacton on-Sea	995·8	+3	WNW	3	ffo	39	97	1	1450	St	10	-	10	0
Shoeburyness	996·2	+3	-	0	o/r	40	85	4	1500	St	10	-	10	0
Grain	996·6	+3	-	0	o/r	40	97	6	1500	St	10	-	10	0
Lympne	996·3	+3	-	0	o	40	97	5	1450	St	10	-	10	0
Scilly (St. Mary's)	993·6	-2	SW'S	4	b+	50	97	9	4000	St Cu	3	-	3	6
Falmouth (Pendennis)	995·2	0	SW	3	bc	47	85	7	4000	Cu Nb	5	-	5	0
Plymouth (Cattewater)	995·2	+1	-	0	o/p	43	97	8	1500	St	10	-	10	3
Portland Bill	994·9	+1	SW	5	bc/r	48	85	7	1500	St Cu	4	-	4	5
Southampton (Calshot)	996·1	+2	-	0	o+	42	97	8	500	St Cu	10	-	10	0
Dungeness	996·1	+4	-	0	bc/r	42	97	7	4000	Nb	5	-	5	3
Jersey (Th.) / Guernsey (Th.)	997·5	+1	SW	3	b/r	47	92	8	-	-	0	-	0	3

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 29th Jan

Stations	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 18h.-9h. 28-29 mm.	Rainfall.† Day 9h.-18h. 29 mm.	Sunshine. Sunrise to Sunset 29 hr.	Sunshine. Sunrise to Sunset hr.
Banff	do	ro	43	36	1	0.3	0.0	
Montrose	or	orm	42	38	1	9	0.0	
Llandudno	bc	bc	52	39	2	-	5.5	
Colwyn Bay								
Rhyl	cbc	bc	51	39	0.4	-	4.7	
Southport	rocbc	bcb	48	40	1	-	3.1	
Blackpool	p	oc	48	40	2	-	3.0	
Harrogate	om	omp	41	37	2	0.2	0.0	
Skegness	or	orc	43	38	0.2	1	0.0	
Aberystwyth	rbc	co.o	50	42	8	-	4.3	
Bath	bcc	co	48	35	6	-	2.1	
Leamington Spa	c	bcb	50	37	0.3	-	2.4	
Lowestoft								
Felixstowe	o3	o3	44	39	-	-	2.3	
Southend	bc	bco	51	39	-	-	4.2	
Paignton	bcor	por	50	34	mm.	mm.	0.8	
Ilfracombe	co	or	49	42	1	1	0.4	
Bude	or	or	50	40	1	2	0.0	
Penzance	or	or	50	48	1	9	0.0	
Falmouth Observatory	opd	opd	50	43	2	2	0.0	
Torquay	or	or	50	40	7	1	0.0	
Weymouth	bco	opo	49	41	3	0.5	0.0	
Bournemouth	oq	oq	48	39	4	-	0.3	
Portsmouth (S'thsea)	bc	om	49	40	6	-	1.5	
Worthing	fbc	or	48	41	4	-	1.9	
Brighton	pobco	o	49	43	3	-	1.7	
Eastbourne	b	ber	49	44	3	1	1.2	
Hastings	bcor	c.co	48	43	1	2	0.7	
Folkestone	o	o	50	40	1	0.4	2.5	
Tunbridge Wells	bc	co	50	40	3	-	1.8	
Ramsgate	bc	bc	45	43	0.3	-	3.3	
Margate	bc	o	52	42	0.3	-	3.2	
Deal	abcp	bcc	50	44	1	1	2.4	

* 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. 21985. Tuesday, 31st January 1922.

Observations at 1300 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	Height of Low Cloud Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea 0-9
Lerwick	1000.0	0	SSE	5	or	37	92	6	2500	Nb	10	-	10	*
Stornoway	990.9	0	SSE	2	o+	45	85	7	800	St	10	-	10	*
Wick	994.4	0	SSE	4	o	42	97	6	800	St	10	-	10	*
Castlebay	989.9	0	ESE	5	mro	45	92	5	450	St	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	995.4	0	SE'S	3	od₀	41	97	5	1500	Nb	10	-	10	*
Malin Head	998.0	-1	S	2	o-	43	97	8	4000	StCu	9	-	9	*
Renfrew	993.6	0	ENE	1	od₀+	39	97	3	1500	St	10	-	10	*
Edinburgh (Inchkeith)	993.5	0	ESE	2	mmc	41	92	6	-	StCu	8	-	8	*
Eskdalemuir	993.8	-1	-	0	o	40	85	6	1500	St	10	-	10	*
Tynemouth	995.2	0	SW	1	mo-	42	85	5	4000	St	3	ASt	10	*
Blacksod Point	984.3	-1	SE'S	5	bc-	46	92	8	800	CuNb	4	-	4	*
Donaghadee	997.2	0	SSW	2	bc	47	85	8	-	-	0	ACu	5	*
Birr Castle	986.4		SW	2	c+	50	92	7	4000	StCu	6	ACu	8	*
Baldonnell	989.6	-2	ESE	3	o/r	47	85	8	2500	StCu	8	ASt	10	*
Holyhead	992.1	-1	SE'E	4	c	47	85	7	-	-	0	Ci	7	*
Liverpool (Bidston)	993.2	-1	SE	1	o/f	41	97	3	800	Nb	10	-	10	*
Chester (Shotwick)	992.7	-1	SE	3	o	42	92	4	800	St	10	-	10	*
Spurn Head	995.9	+1	SE	1	fo+	38	97	2	450	St	10	-	10	*
Nottingham	995.6	*	SSW	2	o/f	40	97	5	800	St	10	-	10	*
Cranwell	996.4	0	SSE	4	ffo	39	97	2	225	St	10	-	10	*
Gorleston	997.9	+2	SW'S	2	ifo	38	97	3	2500	St	10	-	10	*
Pulham	997.3	0	SSW	2	mo-	39	97	4	225	St	10	-	10	*
Felixstowe	999.5	+1	-	0	fo-	39	97	3	<150	St	10	-	10	*
Valentia (Cahirciveen)	981.1	-4	SSW	5	opr-	48	85	8	1500	St	10	-	10	*
Roches Point	986.7	-3	SSW	5	c/p	50	85	7	1500	CuNb	8	-	8	*
Pembroke (St. Ann's H.)	992.4	-1	SSE	3	c/p	47	92	5	1500	Nb	5	CiCu	7	*
Ross-on-Wye	994.6	-1	SSW	2	o+	46	85	7	1500	St	9	-	9	*
Benson	995.7	-2	SW	1	o	46	95	8	-	StCu	9	-	9	*
S. Farnborough	996.3	-1	SW	3	or₀	49	75	4	800	Nb	10	-	10	*
London (Kew Obsy.)	996.2	-1	SW	2	bc/f	48	75	6	4000	St	3	CiCu	6	*
Croydon	996.9	-1	WSW	3	c+	50	75	6	2500	StCu	7	Ci	8	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	997.5	0	ESE	1	mmc	42	85	5	2500	StCu	7	-	7	*
…ain	997.4	0	SSW	1	bc-	48	85	6	1500	StCu	4	-	4	*
Lympne	997.4	-1	SSW	3	bc-	48	92	6	800	St	4	Ci	5	*
Scilly (St. Mary's)	993.0	0	SW	4	cpr	51	97	8	4000	StCu	8	-	8	*
Falmouth (Pendennis)	993.5	-2	SW	5	o/r	48	85	7	4000	CuNb	10	-	10	*
Plymouth (Cattewater)	994.6	0	SSW	2	or	50	97	8	1500	Nb	10	-	10	*
Portland Bill	995.0	+1	SW	4	bc-	48	85	7	-	-	0	CiCu	4	*
Southampton (Calshot)	996.5	-1	WSW	2	c	50	95	8	4000	StCu	2	ACu	7	*
Dungeness	997.6	+1	SW	2	bc	48	92	8	-	-	0	CiCu	5	*
Jersey	997.9	0	S	3	b	49	85	8	-	-	0	-	0	*

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	Height of Low Cloud Feet	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea 0-9
Lerwick	999.0	-1	SSE	5	o/r	37	75	6	4000	StCu	10	-	10	4
Stornoway	996.4	0	SSE	3	c-	44	85	7	4000	Nb	8	-	9	2
Wick	993.9	0	SE	4	o	42	97	7	800	St	10	-	10	5
Castlebay	988.3	-1	E	5	mmo	44	92	5	450	St	10	-	10	6
Nairn	991.9	*	-	0	bc-	37	85	8	4000	Cu	6	-	6	*
Aberdeen	995.0	0	SSE	3	o/r	42	97	6	1500	St	10	-	10	5
Malin Head	986.0	0	SSE	2	o+	46	92	8	4000	StCu	9	-	9	1
Renfrew	992.5	0	ESE	2	o/f	41	85	5	2500	StCu	10	-	10	*
Edinburgh (Inchkeith)	993.1	-1	ESE	1	o	41	92	7	-	StCu	10	-	10	2
Eskdalemuir	993.0	0	SE	1	o	39	92	4	450	St	10	-	10	*
Tynemouth	995.0	0	SW	1	o	41	92	5	-	-	0	ASt	10	1
Blacksod Point	972.2	-3	ESE	2	o+	44	92	5	-	St	10	-	10	1
Donaghadee	990.3	-1	SSE	3	of₀f₀	45	75	8	2500	St	10	-	10	3
Birr Castle	983.8	*	S	2	or	46	97	6	2500	Nb	9	-	9	*
Baldonnell	986.5	-3	SSE	5	opr₀	47	85	7	1500	Nb	9	-	9	*
Holyhead	989.9	-2	SSE	4	bc-	46	92	7	1500	Cu	6	-	6	0
Liverpool (Bidston)	992.2	0	SE'E	4	c/f	40	92	6	2500	Cu	6	ASt	8	4
Chester (Shotwick)	991.8	0	SSE	2	od₀	41	92	3	1500	St	10	-	10	*
Spurn Head	995.6	0	SSE	2	ffo	39	97	2	450	St	10	-	10	3
Nottingham	994.7	*	S	1	o	42	92	7	-	-	0	ASt	10	*
Cranwell	996.1	0	SE	3	ffo	39	97	3	225	St	10	-	10	*
Gorleston	998.0	0	SSW	2	fo+	38	97	1	-	-	0	ASt	10	0
Pulham	997.0	0	E'S	1	fo+	40	97	2	225	St	10	-	10	*
Felixstowe	998.7	0	SSW	2	o/f	42	97	4	800	St	10	-	10	0
Valentia (Cahirciveen)	987.3	+6	WSW	4	bc	46	75	8	1500	StCu	4	-	4	6
Roches Point	987.9	+4	WSW	2	b-	47	85	8	2500	StCu	2	-	2	4
Pembroke (St. Ann's H.)	991.5	0	S	3	bc	48	92	8	-	Cu	3	Ci	6	4
Ross-on-Wye	993.4	-1	SSW	2	c/r	45	92	7	2500	Nb	8	-	8	*
Benson	995.2	0	SSW	3	or	46	85	6	-	Nb	10	-	10	*
S. Farnborough	995.9	-1	S'E	1	o	47	92	6	1500	Nb	10	-	10	
London (Kew Obsy.)	996.1	0	SW	2	od₀	47	85	6	1500	St	10	-	10	*
Croydon	997.0	0	SSW	3	o	46	92	6	1500	StCu	10	-	10	*
Clacton-on-Sea	996.8	0	SSE	3	opr₀	42	97	4	1500	Nb	10	-	10	0
Shoeburyness	997.0	0	-	0	bc/r	43	85	6	4000	StCu	4	-	4	*
…ain	997.3	0	SSW	1	fo/r	45	85	7	1500	StCu	10	-	10	0
Lympne	997.7	0	S	2	c-	44	97	7	800	St	6	ASt	8	*
Scilly (St. Mary's)	991.7	0	SW'W	3	o	50	97	8	4000	StCu	10	-	10	6
Falmouth (Pendennis)	996.0	0	SW	4	o	49	85	7	2500	Cu	10	-	10	1
Plymouth (Cattewater)	993.9	0	SW	5	or	48	85	8	2500	Nb	10	-	10	0
Portland Bill	995.0	0	SW'S	4	o+	48	85	7	450	St	10	-	10	4
Southampton (Calshot)	996.1	0	S	3	p	47	92	7	4000	StCu	3	ASt	9	0
Dungeness	997.4	0	SW	2	bc	47	92	8	4000	Cu	4	-	4	3
Jersey	996.8	0	SSE	3	b	50	85	8	-	-	0	-	0	3

London Observations	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. °F.	Temp. 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. 31st								Yesterday.		To-day.
Kew	omwbc	ompd	omp	*	*	29	0.5	1	0.9	*	*
Croydon } 24 hours ended 0700	obcmp	Comp	c.bc.dd	*	*	40	tra	tra	1.9	*	*
Greenwich (Royal Obsy.)	o.c	o.pd	o.c.ocm	50	39	32	-	tr.	1.8	85	94
City (Bunhill Row)	*	*	*	*	*		*	*	0.6	*	*
Westminster (St. James' Pk.)	*	*	*	50	42	34	0.4	0.2	1.5	85	92
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*		*	
Camden Sq. (Brit. Rainfall)	o₉	o.b	*	49	39	34	1	1	*	89	100
Kensington Palace	o.c	omr.o	*	50	39	32	0.4	0.5	*	87 (9h)	94
Hampstead Observatory	*	*	*	44	40	31	3	0.3	1.0	*	96

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 30th

	Max.	Time.	Min.	Time.
South Kensington	0.6 / 1.0	29th 19h / 30th 9h	<0.3	30th 0-1h
Kew Observatory	0.6 / 1.0	29th 18h / 30th 10h	<0.3	30th 0-4h

Solar Radiation. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total .... joules

Average Rate .... Milliwatts.

Maximum Rate .... Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from 30th 17 h 45 m. to 31st 6 h 45 m.

Stars.	Exposure h.	Exposure m.	Record h.	Record m.	%
Polaris	13	0	7	24	54
δ Ursae Minoris	13	0	5	48	45

Radio Disturbances (Atmospherics) at Croydon.[1]

Time	Type	No. per 4 sec.	Stren.	Direc.
[illegible]	C,C	7	-	145
[illegible]	C,C	7	-	60
[illegible]	C,C	7	-	45°
[illegible]	C,C	7	-	78°

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom.

31st Jan. & 1st Feb. 1922.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.40 / 7.38	12.4 / 12.4	4.34 / 4.36
Greenwich	7.43 / 7.41	12.14 / 12.14	4.45 / 4.47
Wick	8.24 / 8.21	12.26 / 12.26	4.29 / 4.31
Valencia	8.26 / 8.25	12.55 / 12.56	5.14 / 5.15

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, or fine rain. f fog.
h hail. KQ line squall. l lightning.
m mist. o overcast sky.
p passing showers. r rain.
rs sleet, i.e., rain and snow together.
s snow t thunder.
v unusual visibility. y dry air.
z dust haze; the turbid atmosphere of dry weather.
jp precipitation within sight.

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.

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

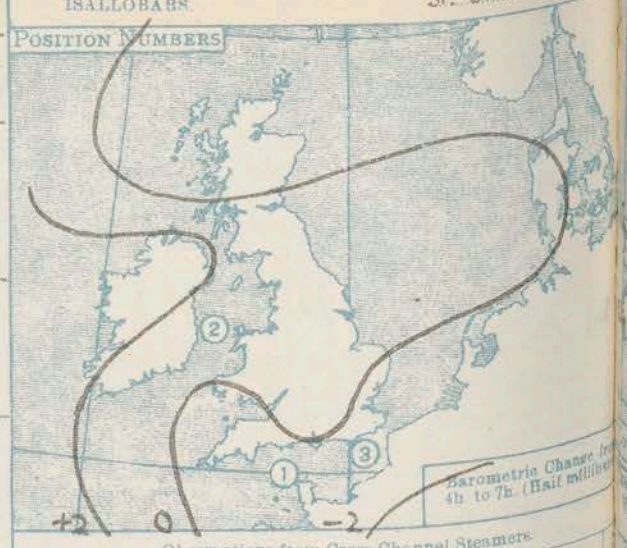
[1] For explanation, see Introduction. * Information for these columns not usually received. † The barometric change is expressed in half millibars. ‡ For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 30th	13h.-18h. 30th	18h. 30th to 1h. 31st	1h.-7h. 31st	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	r.d	r or d	r.d	r.d	39	38	*	5	2	<0800	<21·00	*
Stornoway	c	oo	c	p	45	36	*	–	0·4	–	-	0·8
Wick	oo	oo	oo	oo	42	40	*	–	-	–	-	*
Castlebay	off	offm	oifp.o	op	45	42	*	–	2	–	<21·00	0·0
Nairn	c	c	p		44	34	*	–	0·4	–	01·30	1·3
Aberdeen	or mdl	d.prm	omr	omir	42	41	39	1	1	1330	04·30	0·0
Malin Head	c	c	oir	r.d	47	41	*	–	3	–	01·30	1·0
Renfrew	of d.d.	of d.m	oim rr	oim	42	39	35	0.5	2	–	22·00	0·0
Edinburgh (Inchkeith)	oo	oo	oo	oo	42	39	36	–	-	–	-	*
Eskdalemuir	c	op.om	o	rr.o	40	36	35	trace	2	1430	01·30	0·0
Tynemouth	if m	oom	oo im	oo m.	43	40	*	–	-	–	-	*
Blacksod Point ...	p	r or d	p	p	42	39	*	3	3	1530	02·30	*
Donaghadee	bc	bcp	cmrl	bc	48	39	*	1	3	1330	<21·00	*
Birr Castle	p r c	coir	c.oir	c.o	51	38	30	4	0·2	1100	<21·00	3·4
Baldonnell	o i R	opr	b.bc	b.b	50	37	30	2	trace	1230	<21·00	2·1
Holyhead	c.bc.c	orpc	c.bclp	b.bc	47	40	36	1	1	1430	<21·00	3·4
Liverpool (Bidston) ...	p	c	c		42	38	35	–	0·4	–	24·00	0·0
Chester (Shotwick) ...	rfo	p	odf. om	o.cm	44	38	35	0.2	-	<0800	-	*
Howden	F	F	f.m	F	39	36	*	trace	1	<0800	<21·00	0·0
Spurn Head			oom		42	39	34	–	0·3	–	03·30	0·0
Nottingham	f.m	oom			39	35	30	trace	1	–	<21·00	0·0
Cranwell	fm f	mf	d.ff	c.f.m	39	38	34	0.3	3	–	22·00	2.0
Gorleston	offe	offe	omr	c.offe	39	38	34	–	2	–	<21·00	0·0
Pulham	f.m	f or m	r.d		40	34	34	0.1	trace	1730	-	0·0
Felixstowe	F	f or m	F		42	32	30					
Valencia (Cahirciveen)	r. op	op bc	bcp. bc	bc.b	49	43	38	3	1	<0800	24·00	1·3
Roches Point	c	p	b.bc		50	39	*	0.2	0.3	1530	-	*
Pembroke (St. Ann's H.)	b	c	c	c.oir	49	45	*	0.5	5	<0800	03·30	2·5
Ross-on-Wye	m.bc.c	cop	oir	orr	49	42	39	0.1	3	1730	<21·00	1·7
Benson...	op	cdo	c.ir	o	48	40	35	1	0.5	0900	<21·00	*
S. Farnborough ...	c	oo	f.m		49	41	36	trace	2	<0800	<21·00	2·0
London (Kew Obsy.) ...	omw. bc	ompd	omp	omw. of	48	39	39	0.5	1	-	<21·00	0·9
Croydon	o.bcm p	comp	o.bc im	bc.odd	50	43	40	trace	trace	0900	06·30	1·9
Clacton-on-Sea ...	ogrc	ompd	o.cpd	c.bc	47	40	31	0.4	0.3	1630	<21·00	0.8
Shoeburyness	f.m	r or d	F		45	43	35	0.1	trace	1530	-	1·5
Grain	c	ir	f.m		50	34	29	0.2	0.2	1530	<21·00	1·3
Lympne	r.d	bcoroc	c	f.m	48	40	35	0.1	-	1100	-	1·3
Scilly (St. Mary's) ...	p	oo	p	p	53	45	*	0.2	2	<0800	<21·00	2·4
Falmouth (Pendennis)	op	op	or	or bcp	50	43	*	2	7	<0800	<21·00	2·2
Plymouth (Cattewater)	r.d	p	r.d		51	44	43	3	10	<0800	<21·00	0·0
Portland Bill	c	oo	b.bc	r.d	52	41	*	–	1	–	05·30	*
Southampton (Calshot)	c	c	p	c	50	42	36	trace	trace	<0900	<21·00	3·8
Dungeness	b.bc	p	c	b.bc	48	44	*	0.2	0·1	1330	<21·00	*
Jersey	b	bbc b	b	b.orr	50	46	*	–	2	–	03·30	6·4

ISALLOBARS. 31st JANUARY, 1922.

POSITION NUMBERS



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

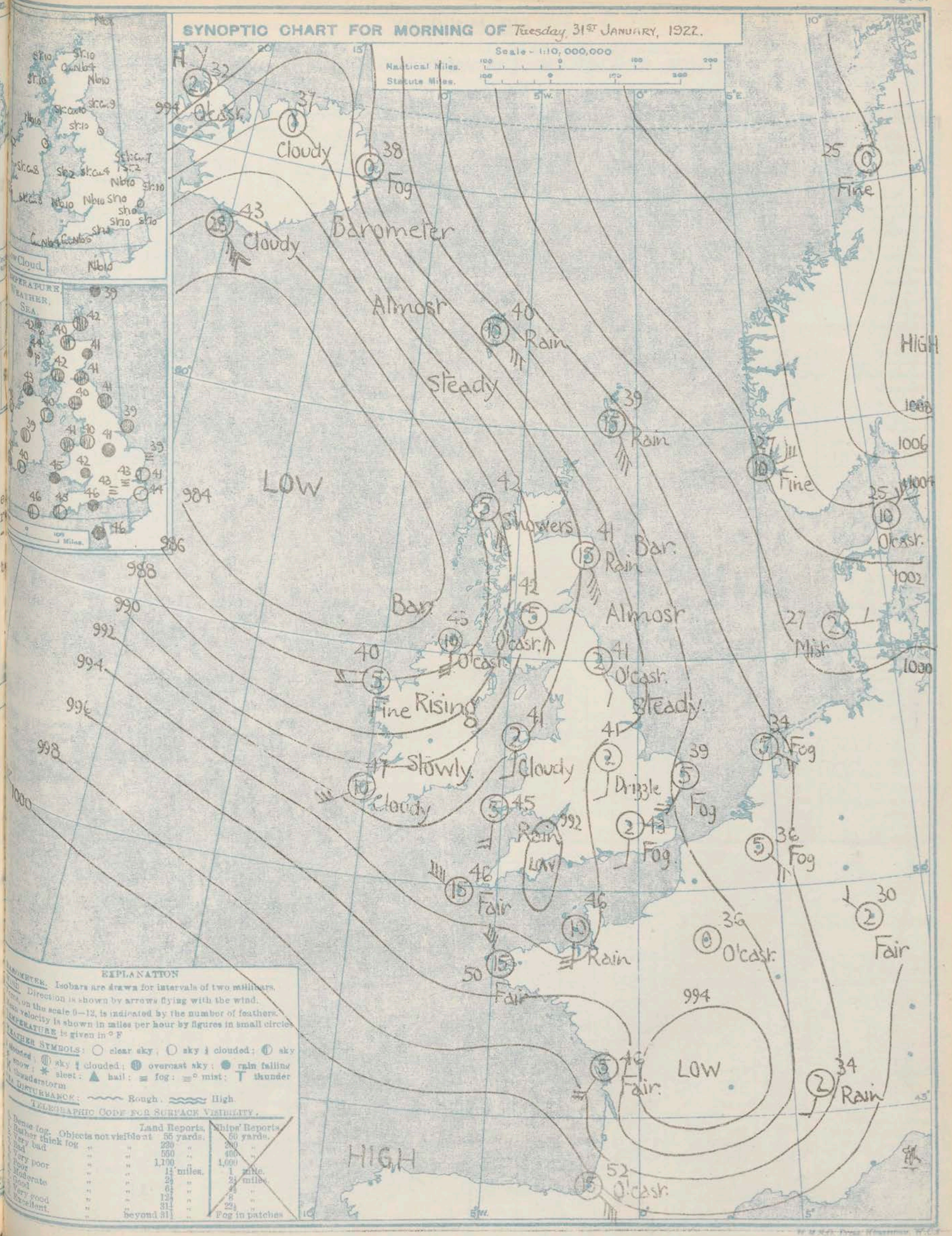
Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea
2	30th 1010	Scotia	S	4	cv	47	48
3	31st 0300	Arundel	W	2	co-	46	48

GENERAL INFERENCE.

The shallow secondary depression over the Western Channel will probably move North-Eastward and cause some rain during Tuesday in most parts of England. Further small disturbances are to be expected, maintaining mild changeable weather during the next day or two.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday, 31st January, 1922	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind light Southerly veering West later; dull, some rain and mist, fairer Wednesday; visibility poor to moderate; rather mild.	None issued.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Wind South-West to West, light or moderate; variable sky, local rain or showers; visibility moderate; mild.	
9. N. Midlands 10. N.E. England	Light winds mainly between South and West; dull, rain at times, fairer later; visibility poor to moderate; rather mild.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Wind South to South-West light or moderate; variable sky, some rain; visibility moderate; rather mild.	
14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind South-East to South moderate or fresh; variable sky, some rain; visibility moderate; rather mild.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind mainly South-West to West moderate; variable sky, local rain or showers; visibility moderate to good; mild.	


SYNOPTIC CHART FOR MORNING OF Tuesday, 31st JANUARY, 1922.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
Cloudy
Fog
Fine
Cloudy
Barometer
Almost
Steady
Rain
Rain
Fine
HIGH
LOW
Showers
Rain
Bar.
Almost
Mist
O'cast.
Fine
Rising
O'cast.
Steady.
Slowly.
Cloudy
Drizzle
Fog
Fog
Fog
Cloudy
Rain
Fair
Fair
Rain
O'cast.
Fair
LOW
Fair.
Rain
HIGH
O'cast.
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.
Wind 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.
Land Reports. Ships' Reports.
0. Dense fog. Objects not visible at 55 yards. 50 yards.
1. Rather thick fog " " 220 " 200 "
2. Very bad " " 550 " 400 "
3. Bad " " 1,100 " 1,000 "
4. Very poor " " 1¼ miles. 1 mile.
5. Poor " " 2½ " 2½ miles.
6. Moderate " " 6½ " 5 "
7. Good " " 12½ " 8 "
8. Very good " " 31½ " 22½ "
9. Excellent. " beyond 31½ " Fog in patches

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION..Tuesday.....31st....January.....1922. No. 31.....

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	998·7	0	SSE	4	c/r	38	92	6	-	-	0	A St	10	*
Stornoway	990·9	0	-	0	0	*	*	6	*	*	*	*	*	*
Wick	992·8	0	SSE	5	0	41	92	7	800	St	9	-	9	*
Castlebay	*	*	*	*	*	*	*	0	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	0	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	982·0	0	S	3	c/r	44	97	7	4000	Nb	10	-	10	0
Renfrew														*
Edinburgh (Inchkeith)	991·1	-2	ESE	1	mo	39	92	6	*	St	10	-	10	*
Eskdalemuir														*
Tynemouth	993·6	-1	S	2	0	40	97	6	-	-	0	A St	10	*
Blacksod Point ...	984·1	+5	WSW	2	b-	43	92	4	7250	Cu Nb	3	-	3	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	989·3	+4	S'W	4	b	41	35	8	-	-	0	A St	2	*
Holyhead	990·4	+2	SW'S	4	b-	*	*	8	1500	Cu	2	-	2	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	993·8	+1	SE	3	off	39	97	4	450	St	10	-	10	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	994·3	-1	S'E	3	FFo	39	97	1	<150	St	10	-	10	*
Gorleston	996·6	-2	S	1	bc/r	40	97	6	4000	Cu Nb	6	-	6	*
Pulham														*
Felixstowe														*
Valencia (Cahirciveen)	988·4	+2	SW	3	bc/r	45	92	7	*	Cu Nb	4	-	4	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	991·9	0	SW	2	bc	47	92	8	2500	Cu	6	-	6	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	*	*	*	*	*	43	*	*	*	*	*	*	*	*
Croydon	996·2	-1	S	3	bc	44	97	6	-	-	0	C	5	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	996·3	-1	-	0	b-	43	92	6	4000	St Cu	1	Ci St	2	*
Scilly (St. Mary's) ...	992·1	0	S	2	cpr	47	97	8	4000	Cu Nb	8	-	8	*
Falmouth (Pendennis)	992·5	0	-	0	sr+	46	92	6	4000	Nb	10	-	10	*
Plymouth (Cattewater)														*
Portland Bill	994·0	-1	SW	4	b	46	93	7	-	-	0	Ci Cu	2	*
Southampton (Calshot)	995·0	-1	SE	2	bc-	44	97	8	-	-	0	A St	4	*
Dungeness	996·0	-1	W	2	bc-	46	92	7	800	St	2	Ci Cu	5	*
Jersey 7h. Guernsey 1h.	994·0	-5	S	3	c+	47	92	7	5450	St	8	-	8	*

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	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	997·9	0	SSE	4	sr	39	85	6	2500	Nb	8	A St	10	3
Stornoway	987·2	-1	SE	2	ofr	42	92	6	450	St	10	-	10	1
Wick	991·4	-1	SSE	5	0	42	97	7	800	St	10	-	10	5
Castlebay	981·1	-1	E	3	ofr	44	97	6	800	St	10	-	10	4
Nairn	987·6	*	-	0	c/r	40	98	8	1500	Cu Nb	7	-	7	*
Aberdeen	992·9	-1	SE'S	4	sr	41	97	6	1500	Nb	10	-	10	5
Malin Head	985·1	+1	S	3	ofr	43	97	7	4000	Nb	10	-	10	1
Renfrew	990·5	+2	SE	2	0	42	85	5	4000	St Cu	10	-	10	*
Edinburgh (Inchkeith)	990·8	0	S	2	c-	41	92	7	*	St Cu	9	-	9	2
Eskdalemuir	991·8	+1	SSE	2	0	40	97	4	450	St	10	-	10	*
Tynemouth	993·6	0	SSE	1	0	41	97	5	-	-	0	A St	10	0
Blacksod Point ...	986·2	+2	W'N	2	b-	40	92	4	2500	Cu	2	-	2	1
Donaghadee	990·0	+1	WSW	1	b-	40	92	7	-	-	0	A Cu	1	0
Birr Castle	988·6	0	S	1	c-	39	97	5	4000	St Cu	8	-	8	*
Baldonnell	990·1	0	S'E	4	b	39	85	8	4000	St Cu	1	-	1	*
Holyhead	991·6	+1	S	1	c+	41	97	6	1500	St	2	A St	4	0
Liverpool (Bidston) ...	992·2	0	SE	2	c/r	40	97	6	2500	St Cu	4	A St	8	3
Chester (Shotwick) ...	991·4	0	SSE	3	c	39	97	4	2500	St Cu	3	A St	5	*
Spurn Head	993·3	0	S	3	0	39	97	4	1500	St Cu	9	-	9	3
Nottingham	994·1	*	S	1	ok	41	97	4	1500	Nb	10	-	10	*
Cranwell	994·6	0	SSE	2	0	39	97	5	800	St	7	A St	10	0
Gorleston	996·5	-1	S'W	1	FFo	39	97	1	1500	St	10	-	10	*
Pulham	996·4	-1	-	0	mo-	38	97	4	225	St	10	-	10	
Felixstowe	994·5	0	-	0	Fb	33	97	1	-	-	0	A St	1	0
Valencia (Cahirciveen)	990·7	+2	WSW	3	bc	44	85	8	2500	Cu	6	-	6	4
Roches Point	991·0	+1	SW	1	b-	40	97	8	2500	St Cu	3	-	3	3
Pembroke (St. Ann's H.)	992·4	0	S	2	or	45	92	8	1500	Nb	10	-	10	*
Ross-on-Wye	993·5	0	-	0	ok	42	97	4	1500	Nb	10	-	10	*
Benson	994·2	+1	S	2	0	41	92	5	*	St	10	-	10	*
S. Farnborough ...	994·7	?	E	1	FFo	43	97	0	<150	St	10	-	10	*
London (Kew Obsy.) ...	995·1	+1	S	1	ffo	43	97	2	225	St	10	-	10	*
Croydon	995·7	0	SSE	3	c+	43	97	5	800	St	10	-	10	
Clacton-on-Sea ...	995·5	+1	S	1	b-	41	97	6	-	-	0	A St	3	0
Shoeburyness	995·8	-1	NNE	1	FFo	43	92	0	<150	St	10	-	10	*
Grain	995·9	-1	-	0	5	39	97	4	2500	St Cu	3	-	3	0
Lympne	995·5	0	E	1	0	43	97	5	450	St	10	-	10	*
Scilly (St. Mary's) ...	993·0	+1	W'N	4	bc/r	46	97	8	4000	Cu Nb	4	-	4	5
Falmouth (Pendennis)	993·0	0	-	0	bd/r	45	97	7	4000	Cu Nb	5	-	5	0
Plymouth (Cattewater)	991·8	0	SE	1	ok	44	97	9	1500	Nb	10	-	10	0
Portland Bill	993·3	-1	NW	3	ok	46	85	6	1150	St	10	-	10	4
Southampton (Calshot)	994·4	0	ENE	2	0+	42	97	6	-	-	0	A St	10	0
Dungeness	995·7	0	SSE	1	b	44	97	8	-	-	0	-	0	3
Jersey 7h. Guernsey 1h.	993·9	0	S	3	sr	46	97	8	1500	Nb	10	-	10	3

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

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 18h.-9h. 30th-30th. mm.	Rainfall.† Day 9h.-18h. 30th-30th. mm.	Sunshine. Sunrise to 17h. 30th. hr.	Sunshine. Sunrise to Sunset. hr.
Banff	o	o	42	40	6	-	0.0	
Montrose	om	o	42	41	7	-	0.0	
Llandudno	bc	bccr	49	39	2	0.8	4.8	
Colwyn Bay ...	cbc	bch	50	40	1	0.4	3.8	
Rhyl	bc	bccp	42	36	0.6	-	3.5	
Southport	o.oc	op	42	34	0.3	0.1	0.0	
Blackpool	p	o	43	36	0.3	-	0.0	
Harrogate	o	o	40	36	0.2	-	0.0	
Skegness	owf	om	40	38	0.1	-	0.0	
Aberystwyth ...	rcc	cro	49	41	1	1	4.2	
Bath	ocbc	bcor	50	39	0.3	2	2.2	
Leamington Spa ..								
Lowestoft	of	of	39	36	0.2	-	0.0	
Felixstowe	ofd	ogm	41	37	0.3	-	0.0	
Southend	oc	od	47	39	2	0.2	1.2	
Paignton	ofcop	cpo	52	38	3	-	0.5	
Ilfracombe	bcc	c	51	43	1	0.6	2.7	
Bude	bc	bcbcc	53	42	1	-	4.1	
Penzance	bc	bcc	53	44	6	-	2.8	
Falmouth Observatory	cp	cpo	52	42	4	0.9	2.1	
Torquay	cp.bc	pbcp	51	47	5	4	1.3	
Weymouth	c	copo	51	43	16	0.4	0.4	
Bournemouth ...	bbc	cbc	50	40	8	-	1.6	
Portsmouth (S'thend)	bc	bc	51	38	7	-	2.9	
Worthing	bcc	cbc	48	34	5	-	2.0	
Brighton	obc	crro	49	41	5	1	2.1	
Eastbourne ...	ocbcc	odo	50	41	2	0.2	2.5	
Hastings	omc	copo	49	41	8	0.4	1.2	
Folkestone	op	op	49	39	7	0.5	1.5	
Tunbridge Wells ...	ocbc	bcco	51	40	4	-	1.6	
Ramsgate	o	obc	45	37	2	0.4	1.0	
Margate	ofcc	cbcop	47	38	0.9	0.1	1.1	
Deal	oc bc	bccp	48	40	4	trace	1.6	

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION. CORRECTIONS AND ADDITIONS, January 1922.

I.—CORRECTIONS.

Report for	STATION.	CORRECTION.
1st	Castlebay.	18h Sea. 5.
	Caishot.	" wind W: clouds Si.Cu.3: 1h Vis. 7.
	Holyhead.	Min. 45.
	Chester.	Rainfall, day. 1": began 0930.
2nd	S. Farnborough.	Min. 32.
	Eskdalemuir.	13h bar. 1005·4: temp. 52: Vis. 7.
	Felixstowe.	" " 1017·7: weather "ojp": hum. 85
	Kew.	" Vis. 7. | Rain day "1"
	Renfrew.	Sun 0·0.
3rd	Eskdalemuir.	Max. 53: Rain day "2"
	Cranwell.	13h Vis. 7: cloud total. 8
	Pulham.	" cloud amt. 8.
	Felixstowe.	" hum. 65: Vis. 8: Cloud ht. 4000'
	Grain.	18h bar. 1011·7. | " total 8
	Caishoi.	13h " 1013·2.
	Croydon.	1h low cloud amt. 5. 7-13h "oqpr3"
	Cattewater.	7h wind NNW.
	Holyhead.	7-13h weather. "ojbco"
	Kew.	Max. 57.
4th	Grain.	Rain day, 0·5".
	Baldonnell.	18h clouds. Si.Cu.
	Chester.	" hum. 65: Vis. 7: 7h Vis. 6: Max 42.
	Cranwell.	" Vis. 8: 1h hum. 85.
	Roches Pt.	" hum. 85.
	Kew.	13h Vis. 7: 18h Vis. 6: 7h Vis. 8.
	Eskdalemuir.	7h temp. 30.
	Pulham.	" wind NW. 5.
	Holyhead.	7-13h "copoco"
5th	Cattewater.	13-18h "pr d ps"
	Baldonnell.	13h temp. 37: 1h Vis. 6.
	Roches Pt.	18h Sea. 0.
	Holyhead.	7h bar. 1021·3: hum. 75. 7-13h
	Kew.	" Vis. 7. | "bcohRhob"
	Chester.	Grass min. 28
	Felixstowe.	Rain, night. 2: Sun. 1·8.
6th	Cattewater.	Sun. 2·8.
	Eskdalemuir.	18h cloud amt. "10"
	Pulham.	7h wind WNW.
	Chester.	Grass min. 36.
	Ross-on-Wye.	18h-7h "bccovdadom"
	Kew.	Min. 32: Grass min. 26.
	Lympne.	" 30: Sun. 5·1.
7th	Cattewater.	Grass min 35. Sun. 2·8.
	Chester.	13h bar. 1010·0.
	Cranwell.	" Vis. 5"
	Valencia.	" bar. change. -3.
	Holyhead.	1h bar. 1010·3. 7-13h "odor".
8th	Lympne.	Sun. 5·4.
	Castlebay.	13h wind S. 3.
	Eskdalemuir.	18h temp. 37.
	Holyhead.	13h wind W. 4.
	Chester.	" " SW.
	Grain.	18h " SSW. 2.
	Pulham.	7h bar. 1005·3.
	Slomaway.	Max. 44: Min. 41.
	Renfrew.	" 40.
	Baldonnell.	" 45.
	Kew.	Grass min. 29
	Caishoi.	Rain, night. 0·5".
9th	Paignton.	0: opc: 51: 41: 03: -: 0·0.
	Chester.	13h wind W: 18h WSW. 3"
	Cranwell.	18h temp. 43: 7h cloud ht. 800'.
	Lympne.	" " 45: 7h bar change "+1"
	Holyhead.	1h weather "orr"
	Grain.	7h bar. 1012·3: Grass min 38: Sun 0·9
	Cranwell.	Grass min. 35.
	Caishoi.	Rain, night. 3.
10th	Felixstowe.	18h hum. 92: Max 55.
	Roches Pt.	" 97: 7h temp. 46.
	Chester.	7h cloud ht. 1500': Rain, night, "0·2"
	Valencia.	1-7h "opc".
11th	Croydon.	Grass min. 47.
	Cranwell.	13h bar. 1022·3: Max. 46.
	Kew.	18h temp. 45.
	Holyhead.	1h Vis. 8.
12th	Eskdalemuir.	Sun. 1·4.
	Pulham.	13h cloud amt. 8: 7h hum. 92.
	Cattewater.	18h Sea. 0: Rain day 0·2.
	Caishoi.	" wind W. 4.
	Holyhead.	1h weather "b": 7h bar. 1031·4: Min 41.
	Chester.	Max. 47.
	Felixstowe.	Sun. 2·6.
	Kew.	Rain, night. 2"
13th	Caishoi.	" 2.
	Croydon.	13h wind NNW. 3.
	Felixstowe.	7h bar. 1022·1: hum. 97: Cloud 0: Sea 0.
	Pendennis	" bar change -4
13th	Caishoi.	1h wind N.
	Aberdeen.	Sun. 1·3.
	Baldonnell.	Max. 40.
	Felixstowe.	Max. 45: Min. 29: Grass min 23: Sun 2·1
	Grain.	" 43: " 25: " " 15: -4·6
	Dungeness.	Min. 27.
14th	Renfrew.	18h bar. 1011·8: Weather "05,5o": Max 37.
	Baldonnell.	" hum. 92.
	Chester.	" wind SE.
	Cranwell.	13h " W'S.
	Felixstowe	" " NNW. 2: temp. 38: Sun. 0·5.
	Cattewater.	" bar 1020·1.
	Valencia.	1h " ?1024·8.
	Eskdalemuir.	Rain, day. 8.
	S. Farnborough.	" night 2.
15th	Renfrew.	18h wind "Calm"
	Eskdalemuir.	13h bar change +1
	Chester.	" Vis. 4: 18h cloud ht. 1500'
	Pulham.	18h hum. 100: " " 5000': Sun 1·5
	Pendennis.	13h bar. 1014·7.
	Nairn.	7h wind WSW.
	Chester.	" bar. 1008·3.
	Cranwell.	" " 1011·9.
	Lympne.	Sun. 4·7.
	Cattewater.	Max. 43.
16th	Eskdalemuir.	18h temp. 30: Rain day, ?13.
	Baldonnell.	13h hum. 92: Vis. 6: Min. 31.
	Chester.	18h Vis. 5"
	Spurn Head	" bar change. -2.
	Felixstowe	" wind S'E. 7h cloud ht. "450'"
	Ross-on-Wye.	13h bar. change -19.
	S. Farnborough	" " " -19: weather. "05,-"
	Cattewater.	18h temp. 45.
	Greenwich.	Max. 37.
	Lympne.	1h bar. 983·3: Rain, night. 3.
	Renfrew.	Rain, night. 5.
17th	Shoeburyness.	7h bar. 994·1.
	Pulham.	Rain, day. 0·2.
	Cattewater.	Sun. 3·3.
18th	Eskdalemuir.	13h Vis. 8.
	Baldonnell.	" cloud amt. "1"
	Pulham.	Rain, day, "0·1"
	Valencia.	1-7h "orocb".
19th	Pulham.	18h bar. 1007·0: Grass min. 22"
	Valencia.	" low cloud "Si.Cu. 6": 1h bar. 996·7.
	Grain.	13h bar change -2: hum. 85: Vis. 7.
	St. James' Pk.	Rain, night. 15.
	Renfrew.	7h Vis. 4.
	Spurn.	1h cloud ht. 450: Min. 37.
	Blacksod Pt.	Max. 46.
	Donaghadee.	" 45.
	Valencia.	Sun. 1·5.
20th	Aberdeen.	18h wind. SSW.
	Chester.	" temp. 38: hum. 35: 13-18h "ocbc".
	Caishoi.	" wind SW. 1.
	St. James' Pk.	Rainfall day 2: night. 4.
	Valencia.	Grass min. 27: Rain, night. 4.
21st	Holyhead.	18h clouds. Nb. 9: 7h weather "or+"
	Felixstowe.	13h " St. 9: cloud ht. 450'.
	Cattewater.	18h cloud (low) Si.Cu. 6.
	Felixstowe.	7h temp. 38: hum. 97.
	S. Farnborough	" bar. 1006·8.
	Croydon.	1h cloud "St: 3: -: 3", at 1500'.
	Eskdalemuir.	Sun. 0·8.
	Holyhead.	7-13h "cohrbco".
	Chester.	Min. 34.
	Kew.	" 39.
22nd	Felixstowe.	13h hum. 97: 18h Sea. "5": 7h bar. 1019·3.
	Renfrew.	7h wind NNE.
	S. Farnborough.	Grass min 22.
23rd	Eskdalemuir.	18h cloud amt. 5: Max 41.: Grass min 28.
	Baldonnell.	13h bar. 1012·8: 7h wind E. 4.
	Holyhead.	" cloud ht. 7500.
	Roches Pt.	18h wind SSE: 7h Sea. 7.
	Shoeburyness	" temp. 37.
	Lerwick.	7h bar. 1027·7.
	Ross-on-Wye.	" temp. 36.
	Cattewater.	" hum. 85.
	Jersey.	" wind ESE.
	Spurn.	Min. 38.
	Grain.	Sun. 5·3.
	Leamington.	bc: bcb: 52: 38: -: -: 5·1.
	Buoe.	Max ?
24th	Renfrew.	13h clouds "St: 6: Ci St: 10": 7h wind E: hum 82
	Holyhead.	18h wind ENE.
	Kew.	13h hum. 85: 7h wind ESE. 5: Vis. 6.
	Cattewater.	" bar 1017·0: wind SE. 2.
24th	Felixstowe.	7h hum. 75.
	Roches Pt.	" bar. change -1: hum. 92.
	Castlebay.	Min. 37.
	Baldonnell.	Max 45.
	Pulham.	Min 25.
25th	Eskdalemuir.	18h temp 23. Min. 27.
	Cranwell.	" hum. 65.
	Felixstowe.	13h " 75.
	Ross-on-Wye	" " 55: 18h hum. 55.
	Cattewater.	18h Sea. 0: 7h wind ENE.
	Nairn.	7h temp. 33.
	Chester.	" bar. change. -3: Grass min. 23.
	Croydon.	1h wind E. 5"
	Shoeburyness.	Grass min. 12.
	Margate.	0: 0: 27: 24: -: -: 0·0.
26th	Lerwick.	13h temp. 37: Max 38.
	Castlebay.	18h Sea. 7: 7h cloud ht. 2000'
	Baldonnell.	" bar. qpj 3·5".
	Cattewater.	" cloud ht. 1500: 7h cloud amt 6.
	Caishoi	13h bar. 995·2. | 13-18h "ocb"
	Pulham.	7h wind E'S: Max. 39.
	Felixstowe.	" Sea. 6.
	Ross on Wye	" wind SE.
	Pendennis.	" " SW.
	Aberdeen.	Rain, night. 3
	Eskdalemuir.	" " 1
	Liverpool.	Grass min. ?
	Cranwell.	Rain day, 2.
27th	Eskdalemuir.	18h temp. 35.
	Cranwell.	1h weather "ods"
	Felixstowe.	7h bar. 1010·9.
	Renfrew.	Max 42: Rain night "15"
	Lympne.	Sun 0·8.
	Croydon.	Rain day 0·1.
28th	Grain.	7h wind SSW.
29th	Renfrew.	18h wind ENE.
	Felixstowe.	13h bar. 1001·1: Sun. 1·4
	Cattewater.	" bar change +1: 7h Sea. 4
	Caishoi.	" cloud "Cu: 1: Ci: 8"
	Pulham.	7h cloud ht. 2500
	Cranwell	Max. 48
30th	Eskdalemuir.	13h bar. 993·5.
	Pulham.	18h wind SE'S
	Felixstowe	13h hum. 92: Sun 2·1.
	Renfrew.	Rain, day. 0·8.
	Chester.	7-13h "opsb".
31st	Kew.	13h low cloud Cu 4.
	Grain.	18h weather "o|r"
	Cattewater	" hum. 97: 7h bar. 992·3.
	Caishoi.	" Sea. 1.
	Nairn.	7h bar. 989·6.

‡ The barometric change is expressed in half millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION. CORRECTIONS AND ADDITIONS, January 1922.

II.—ADDITIONS.

Report for	Station	Hour	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	Cloud Low Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9	Weather 7h.-13h.	Weather 13h.-18h.	Weather 18h.-1h.	Weather 1h.-7h.	Max. Day 7h.-18h.	Min. Night 18h.-7h.	Min. on Grass	Rainfall Day 7h.-18h.	Rainfall Night 18h.-7h.	Precipitation began
1st	Castlebay	7h	1002·9	-1	W	5	odo	52	97	7	1500	St	10	--	10	6			op	opdo	45	44			1	
2nd	..	13h	1002·5	0	W	5	oodo	52	97	5	1500	St	10	-	10	*	dod									
	..	3h	1002·3	0	NW	5	o|r	51	97	6	2500	St	10	-	10	5		dodo								
	..	7h	1003·4	+6	WNW	5	o	44	75	8	2500	St.	10	-	10	6			oad	ado	53	42		1	1	
3rd	Pulham.	18h	1009·3	+4	WNW	4	b	44	75	7	-	-	0	-	0	*					37					
5th	Castlebay.	7h	1023·4	0	NW	2	o	41	85	8	2500	St	10	-	10	3			o	opo	40	36			0·4	
6th	Renfrew.	13h	1020·2	-2	W	2	o	38	75	6	7250	St.Cu	8	Ci.Cu	9	*	oiz									
	Pulham.	13h	1012·0	0	NW	4	o	35	92	6	1000	Nb	10	-	10	*	opro									
	Blacksod.	7h	1000·4	-7	WNW	3	bcps	46	92	5	4000	CuNb	6	-	6	4				b					1	
7th	Malin Hd.	18h	1008·9	-2	SW	2	o|r	46	97	6	1500	St	10	-	10	1		oid								
	..	1h	1007·6	0	NW	1	orr	45	97	6	4000	Nb	10	-	10	*			iairo							
	..	7h	1006·6	-1	W	1	o|r	45	97	6	4000	St.Cu	10	-	10	1				orr	48	43		1	3	
8th	..	13h	1005·9	0	W	2	c	44	97	7	4000	Cu.Nb	7	-	7	*	c									
	..	18h	1002·7	-3	SW	3	o+	44	92	7	4000	St.Cu	9	-	9	2		c								
	..	1h	991·6	-10	SSW	5	o|r	47	97	7	4000	St.Cu	10	-	10	+			oqir							
	..	7h	993·4	+3	SSW	3	o|r	47	97	7	4000	St.Cu	10	-	10	2				ciR	48	44		-	6	<2100
	Plymouth.	13h	1012·5	0	-	0	b-	47	92	8	-	-	0	Alcu	2	*		c								
	Castlebay.	7h	992·9	+5	W	4	c|r	44	85	8	800	Nb	5	Asc.	7	4			orr	roc	47	44			4	
9th	Malin Hd.	13h	999·2	+2	SW	3	cPR	44	97	7	4000	CuNb	7	-	7	*	cp									
	..	18h	1001·2	+2	WSW	1	or	43	97	7	4000	Cu	8	-	8	2		oir								
	..	1h	999·5	0	SW	2	orsrs	47	97	6	4000	Nb	10	-	10	*			r or d							
	..	7h	999·9	0	SW	3	ors	53	97	0	4000	Nb	10	-	10	2				hrhr	48	42		3	5	
	Castlebay	7h	990·5	-6	SW	5	o|r	52	92	7	1500	St	10	-	10	T			copc	orro	46	41			3	
10th	Malin Head.	13h	998·3	+2	WSW	4	ors	48	97	6	4000	Nb	10	-	10	*	hir									
	..	18h	1003·0	+10	W	4	bc|r	48	92	6	4000	Cu	3	Alcu	6	2		hir								
	..	1h	1011·0	+3	WSW	4	bcPR	43	97	7	4000	CuNb	0	-	6	*			oqjP							
	..	7h	1012·8	+3	W	4	cPR	44	97	7	4000	CuNb	7	-	7	+				oqPH	53	40		1	4	
	Pulham.	18h	1012·4	+1	SW	6	c⊕	54	85	7	-	-	0	Ci.St	8	*		c								
	..	7h	1019·9	+3	-	0	o|r	45	97	4	-	-	0	ASt	10	*			r or d		55	45	39	trace	3	
	Castlebay	7h	1009·0	+1	W	5	obho	43	92	7	800	CuNb	8	-	8	7			obcno	ohcop	52	40			1	
11th	Stornoway.	13h	1007·1	+3	W	5	bcR	40	85	7	4000	CuNb	5	-	5	*	b									
	..	18h	1010·5	+4	W	6	bcPH	40	75	7	4000	Cu	5	-	5	5		b								
	..	1h	1014·9	+3	WNW	5	PH	*	*	5									hr							
	..	7h	1014·2	+1	W	6	bcPH	38	85	6	4000	CuNb	6	-	6	9				b	41	34		5	5	
	Castlebay	13h	1013·7	+5	W	6	oPH	43	85	6	800	Nb	10	-	10	*	opcH									
	..	18h	1016·1	+4	WNW	6	b|s	43	85	7	1500	St	2	-	2	7		PH								
	..	7h	1019·4	0	WNW	6	bc|s	42	92	7	1500	CuNb	6	-	6	7			bhpbc	ochpc	43	40		trace	2	
	Malin Head.	13h	1016·6	+3	W	4	cPH	40	92	7	4000	CuNb	7	-	7	*	cqPH									
	..	18h	1019·7	+2	W	4	cPH	4.	97	7	4000	CuNb	7	-	7	4		cqP								
	..	1h	1022·8	+2	W	4	oPH	44		7	4000	CuNb	7	-	7	*			cqP							
	..	7h	1022·5	0	W	4	oPH	44		7	4000	CuNb	7	-	7	+				cqP	46	44		0·6	2	
12th	Stornoway	13h	1018·9	+4	N	5	bcPH	35	92	6	4000	CuNb	6	-	6	*	b									
	..	18h	1027·1	+9	N	5	bcPH	35	97	6	4000	CuNb	7	-	7	+		b								
	..	1h	1033·7	+5	N	3	c-	*	*	6																
	..	7h	1031·1	0	-	0	bc	33	85	7	4000	Cu	6	-	6	0				c	40	29		5	1	
	Castlebay.	13h	1022·7	+4	NW	5	bc|s	37	85	8	-	-	0	Asc	4	*	cnpc									
	..	18h	1030·0	+0	N	4	b|s	40	75	8	1500	Cu	1	-	1	0		c								
	..	7h	1032·0	0	-	0	b	40	85	8	1500	Cu	1	-	1	2				bc	42	38			0·4	
	Malin Head.	13h	1022·3	+3	NW	4	PR	45	92	7	4000	CuNb	4	-	4	*		cshpo						3		
	..	18h	1029·2	+7	N	5	PH	42		7	4000	CuNb	8	-	8	5										
13th	Castlebay.	13h	1027·3	-6	E	4	c	40	75	8	1500	CuNb	8	-	8	*	bo									
	..	18h	1022·7	-2	SSE	5	c	44	75	7	2500	CuNb	7	-	7	+		oo								
	..	7h	1012·8	-2	S	4	odd	43	97	0	800	Nb	10	-	10	5				oodd	44	43			0·5	
	Stornoway	1h	1018·7	+2	WSW	1	co-	*	*	6																
	Malin Head.	1h	1015·4	-8	SSE	4	c+	37	97	8	-	-	0	CiSt	8	*			borbc							
	..	7h	1013·2	0	S	2	o	39	97	7	4000	St.Cu	10	-	10	3				oo	44	35				
14th	Stornoway.	18h	1013·7	-3	NW	2	bc-	39	85	7	4000	Cu	4	-	4	1		c								
	..	7h	1016·5	+2	-	0	c	37	85	7	4000	Cu	7	-	7	0				c	42	34		-	-	
	Castlebay.	3h	1013·0	0	NW	3	orsrs	42	92	7	800	Nb	10	-	10	*										
	..	18h	1015·9	+2	NW	4	bc|r	42	75	8	2500	St.Cu	5	-	5	4		r, bc								
	..	7h	1018·1	+1	N	2	bc	40	75	8	2500	St.Cu	6	-	6	2				bc c	43	38		1	-	
	Malin Head.	13h	1013·8	-2	NW	3	os	44	97	8	5750	St.Cu	10	-	10	*	oo									
	..	18h	1014·8	+2	NW	4	or-	44	92	8	4000	CuNb	9	-	9	3		oiro								
	..	1h	1016·3	0	NW	3	cph	43	85	?	4000	CuNb	8	-	8	*			bo							
	..	7h	1016·7	0	N	2	bc-	43	85	8	4000	Cu	4	Ci	5	2				bo	45	39		0·3	1	
	Blacksod Pt.	13h	1008·6	0	NW	5	bcpro	42	75	8	4000	Cu	5	-	5	*	b c									
15th	Stornoway.	13h	1017·4	0	-	0	c	42	75	7	4000	Cu	3	-	8	*										
	..	18h	1015·3	-2	S	4	o	41	75	7	450	St	10		10			oo								
	..	1h	1020·4	-8	SW	6	orr	*	*	4																
	..	7h	1006·3	+4	S	7	oRR	37	97	5	450	St	10	-	10	6				r or d	42	37			13	
	Castlebay	13h	1019·3	0	E	2	c	42	75	8	2500	St.Cu	8	-	8	*	cbcpo									
	..	18h	1010·1	-1	SE	4	ov	42	75	8	1500	St	10	-	10	4		o								
	..	7h	993·9	-14	SE	9	odd	41	97	5	800	Nb	10	-	10	8			opro	orr	44	40		0·1	6	
	Malin Head.	13h	1018·3	0	N	1	bc	44	85	8	4000	CuNb	5	Alcu	8	*	c									
	..	18h	1010·7	-3	S	1	o+	40	65	9	-	-	0	ASt	9	2		oo								
	..	1h	1010·7	-3	S	2	oso	37	97	6	4000	Nb	10	-	10	*			roro							
	..	7h	996·5	-18	S	4	oRR	35	97	0	4000	Nb	10	-	10	+				iR	44	36		-	6	
	Roches Pt.	7h	1001·7	-14	S	7	or+	48	97	0	800	Nb	10	-	10	6				bor bc	43	39			3	
16th	Stornoway	13h	981·7	-10	S	7	oRR	39	92	5	450	St	10	-	10	*	r or d									
	..	18h	978·2	-2	SSW	4	opro	40	82	5	450	St	10	-	10	3		b								
	..	1h	981·9	+2	NNW	3	o	*	*	5																
	..	7h	982·6	+2	W	1	opho	37	85	8	450	St	10	-	10	0				r or d	40	36		22	1	
	Castlebay.	13h	981·3	-9	W	4	orsro	42	97	6	800	Nb	10	-	10	*	Rro							15		
	..	18h	981·4	0	NW	3	od-	41	85	6	800	Nb	10	-	10	4		rodd								

‡ The barometric change is expressed in half millibars.

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II.—ADDITIONS.

Date	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	Cloud Low Amt. 0-10	Cloud Upper Form	Cloud Total Amt. 0-10	Sun 0-9	Weather 7h.-13h.	Weather 13h.-18h.	Weather 18h.-1h.	Weather 1h.-7h.	Max. Day 7h.-18h.	Min. Night 18h.-7h.	Min. on Grass	Rainfall Day 7h.-18h.	Rainfall Night 18h.-7h.	Precipitation began	Sun Hours
16-17	Malin Hd.	13h 994.7	-4	W	3	oRR	42	92	6	4000	Nb	10	-	10	*	RR										
	"	18h 992.9	-2	WNW	3	bcpo	42	85	5	4000	CuNb	6	-	6	4		p									
	"	1h 993.1	0	NW	3	cpho	41	85	7	4000	CuNb	8	-	8	*			cpho								
	"	7h 994.7	?	SW	3	slr	38	85	7	4000	CuNb	10	-	10	4				cph	44	38		10	0.4		0.0
17-18	Plymouth.	13h 991.3	-21	SW	5	orr	40	97	7	1500	Nb	10	-	10	*	rra										
	Stornoway.	13h 986.3	+4	-	0	opro	35	97	5	450	St	10	-	10	*											
	"	7h 997.6	+2	NNW	3	d/s	39	85	7	1500	St	8	-	8	3			spbc	orso	39	33			4		0.0
	Castlebay.	13h 988.3	+2	-	0	ors	35	92	6	800	St	10	-	10	*											
	"	18h 991.2	+5	NW	3	os	34	97	5	800	Nb	10	-	10	3	onpro										
	"	7h 995.0	+1	WNW	4	o/s	39	85	7	1500	St	10	-	10	3		rs									
	Malin Head.	13h 987.1	+3	NNW	3	opho	40	92	7	4000	CuNb	9	-	9	*			dd	opso	43	35		2	2		0.0
18-19	Baldonnell.	18h 993.7	+3	NNW	3	bcps	38	97	7	4000	CuNb	6	-	0	4	cpho										
	Castlebay.	7h 1000.3	+3	W'S	4	b	29	85	8	1500	St	1	-	1	*		cpho						1			
	"	13h 1000.4	+1	W	3	cpro	39	85	8	1500	Nb	8	-	8	*				bbx		24	24		-		6.2
	"	18h 999.3	0	W	2	o/s(N)	41	75	9	2500	St	10	-	10	2	obcop										
19-20	"	7h 987.4	-8	SSE	5	odr	42	97	0	800	Nb	10	-	10	7		rsbco									
19-20	Baldonnell.	18h 995.0	+2	SW'S	4	b-	30	85	8	-	-	0	asl	3	*			oap	abrdo	41	38		0.0	8		3.8
20-21	Castlebay.	7h 985.2	-6	SE	8	orr	42	97	5	800	Nb	10	-	10	8		b.bc			42			-			
	"	18h 988.2	+2	SSE	6	opro	47	85	5	800	Nb	10	-	10	7			bcoc	corr	42	39			7		2.0
	"	7h 1005.7	+3	S	4	bc-	47	92	6	2500	StCu	5	-	5	5		cop									
20-21	Stornoway.	1h 997.2	+8	SSW	8	or+	*	*	*									cpo	osc	49	46		4	1		0.4
	"	7h 1005.5	+9	SW	5	o/r	45	92	0	450	St	10	-	10	4			rrd								
	"	13h 1010.8	+3	S	5	o	48	85	8	-*	-	0	CuSt	2	*				p	47	44			4		0.0
	Castlebay.	18h 1011.1	+1	S	5	b-	48	75	7	450	St	10	-	10	4	b.bc							-			
	"	13h 1010.1	+1	SE	5	mmo	48	92	6	1500	St	10	-	10	*		o									
	"	18h 1010.2	0	SE	7	m-o	45	85	5	450	St	10	-	10	8	bcom										
21-22	"	7h 1010.3	+1	SE	5	mmo	47	92	5	800	St	10	-	10	7		om									
22-23	"	13h 1009.8	+1	SE	6	mo-	40	85	6	800	St	8	asl	9	*			omoco	om	43	47		-	-		0.5
22-23	"	7h 992.5	-4	ESE	5	o	44	85	7	1500	St	10	-	10	0	omofg										
	Stornoway.	7h 986.7	-3	SE	5	opro	45	85	5	800	St	10	-	10	0			co	oc	42	40			0.1		0.3
	"	1h 995.6	0	SE	3	co	*	*	5									oc	coap	45	43			1		0.0
23-24	"	7h 990.1	-4	SE	4	o	43	85	7	800	St	10	-	10	4			c								
	Stornoway.	13h 989.7	0	SE	4	o	40	85	7	800	St	10	-	10	*				oo	42	40			-		0.0
	"	18h 989.6	0	SE	4	o	40	85	7	800	St	10	-	10	4	oo										
	Castlebay	13h 987.4	0	ESE	5	opro	45	97	6	450	St	10	-	10	*		oo									
	"	18h 989.0	+1	SSE	4	b/r	45	85	7	2500	CuNb	2	-	2	5	odp										
	"	7h 989.2	0	SE	5	mmo	45	92	5	800	St	10	-	10	6		odpo									
	Liverpool.	13h 993.9	-1	SE'E	3	b-	40	85	8	4000	StCu	2	-	2	*	b.bc		bo	opof	47	44	-	0.5	2		0.0

‡ The barometric change is expressed in half millibars.

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