M.O. FORM 2373

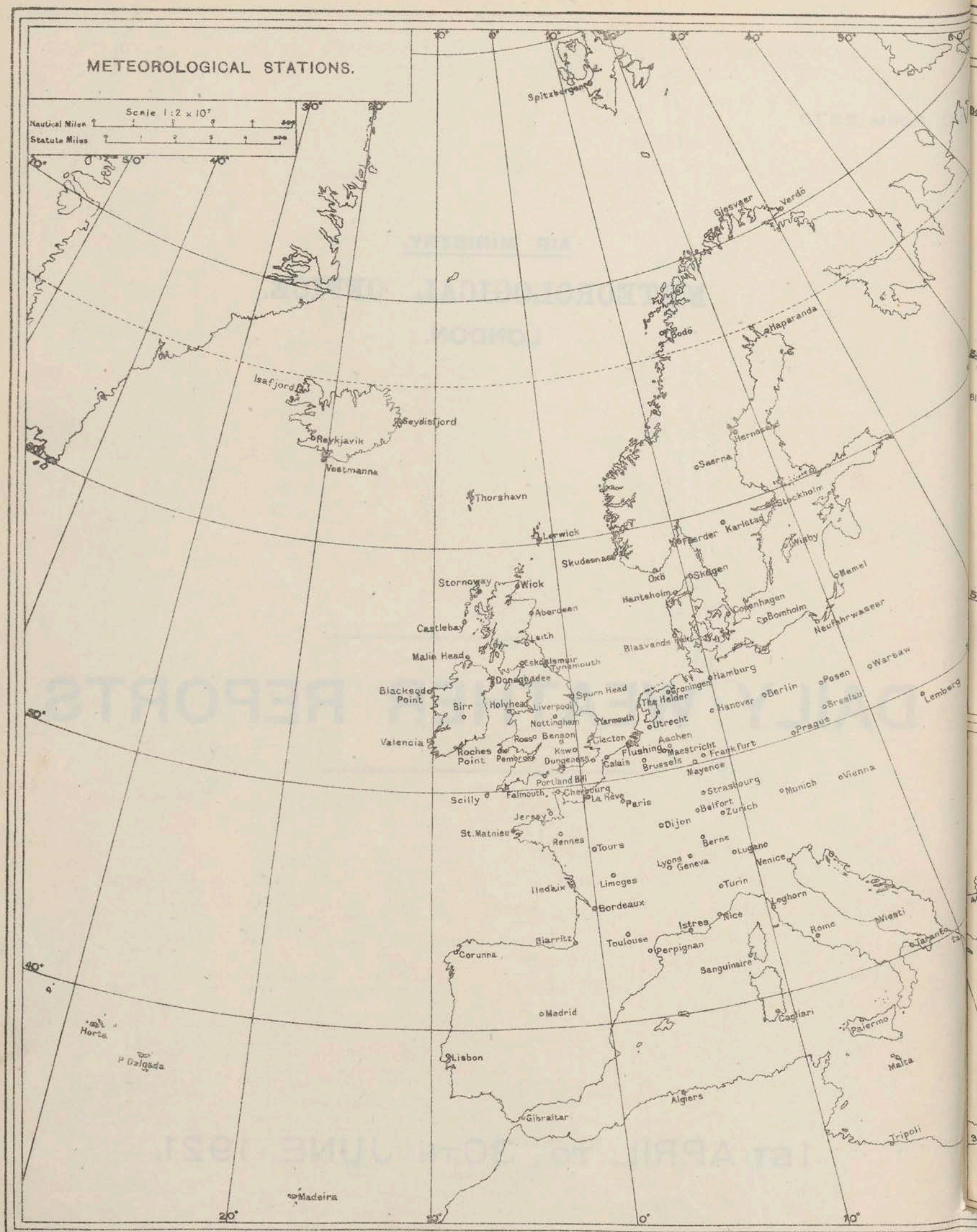
AIR MINISTRY.

METEOROLOGICAL OFFICE.

LONDON.

DAILY WEATHER REPORTS

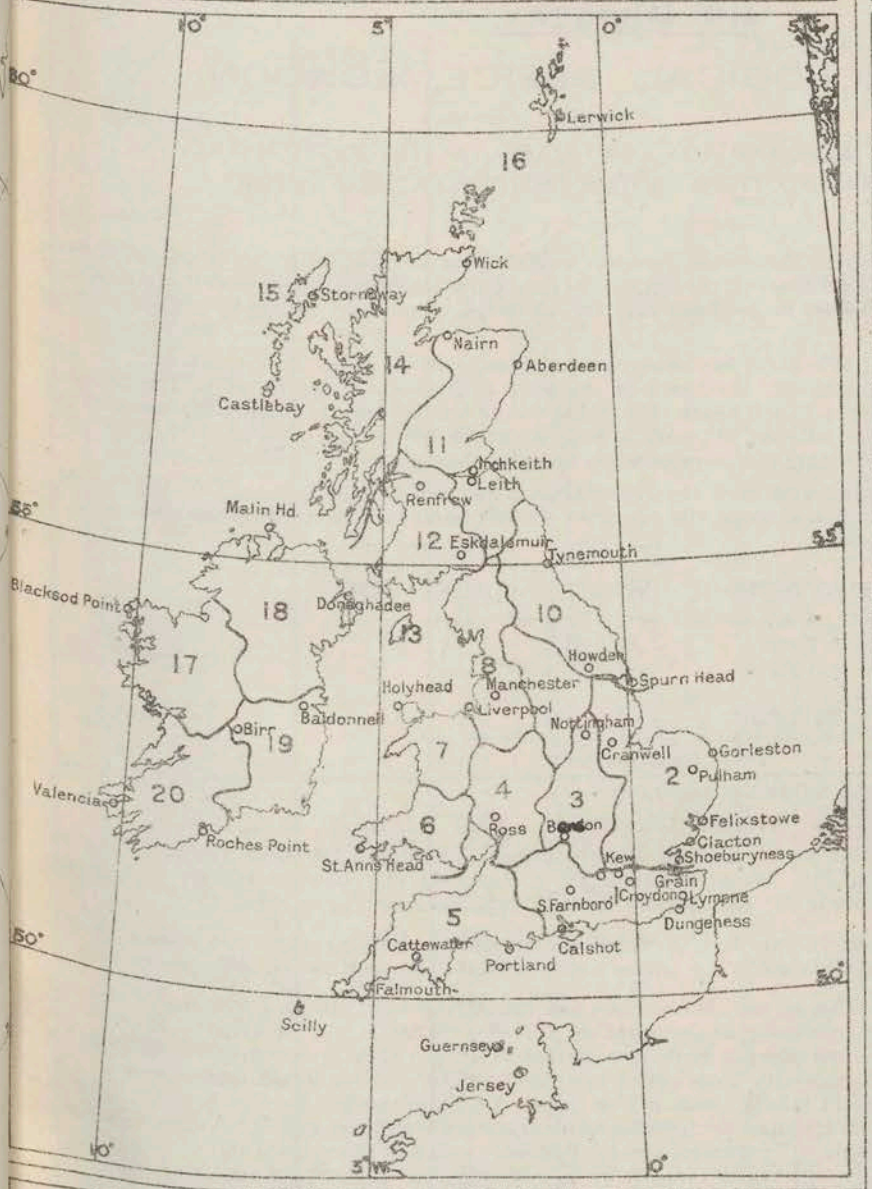
1ST APRIL TO 30TH JUNE. 1921.



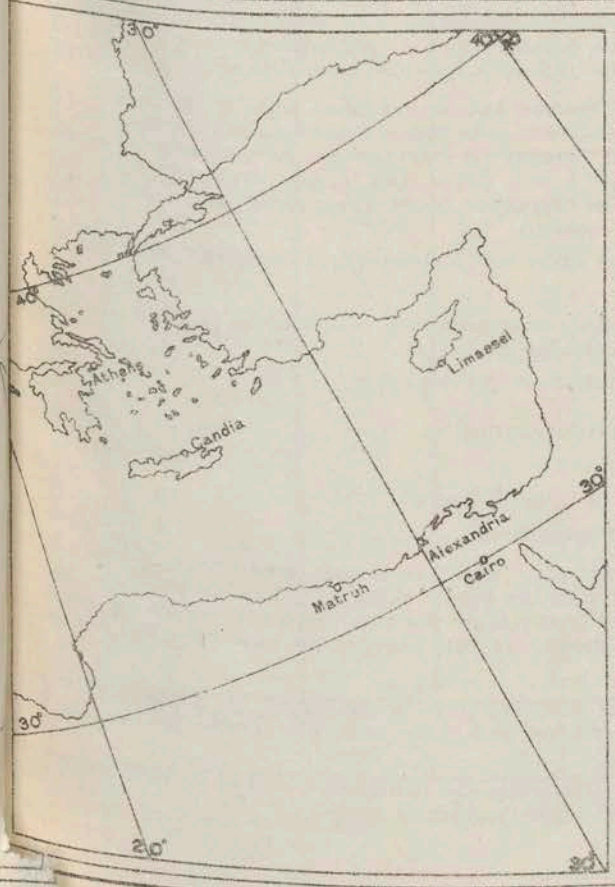
H.M. Stationery Office Press, Kingsway, W.C.2.

Pa 3165/447. 19.116. 2.8.25. 9.16. 11/21.

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.

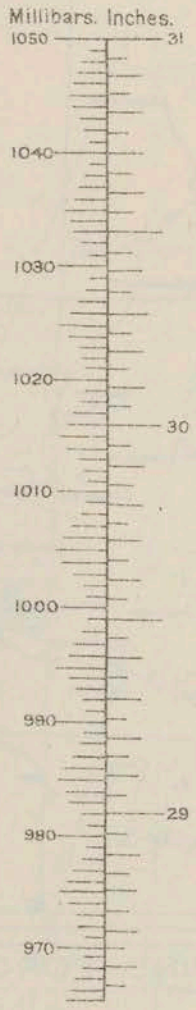
Clear sky ○ Sky ½ clouded ◐
Sky ¼ clouded ◔ Sky ¾ clouded ◕
Overcast sky ● Rain falling ●
Snow ✳ Sleet ✳
Fog ≡ Hail ▲
Thunder T Mist ≡
Lightning ↯ Thunderstorm ↯

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



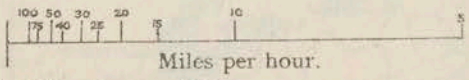
Pressure.—The distribution of barometric pressure at Mean Sea Level is shown by means of isobars which are drawn for intervals of 2 millibars on the British Section of the Report and for intervals of 4 millibars on the International Section. Values in millibars may be converted to mercury inches by the scale given in the margin.

The wind at a height of 1,100–2,000 feet above ground usually blows *along* the isobars and, for the same temperature, pressure and latitude, the speed of the wind is inversely proportional to the distance between the isobars, *e.g.*, for isobars 1 inch apart (160 miles) in the Daily Weather Report the speed of the upper wind is about 12 m.p.h. in latitude 55°, with a temperature of 50° F. and a pressure of 1,015 mb if, however, the isobars are ½ inch apart the corresponding speed is 24 m.p.h.

The scale below can be used with both the International and the British Sections. If the distance between consecutive isobars is measured along the rule from the left-hand extremity the geostrophic wind is shown by the scale in miles per hour.

GEOSTROPHIC WIND SCALE FOR

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



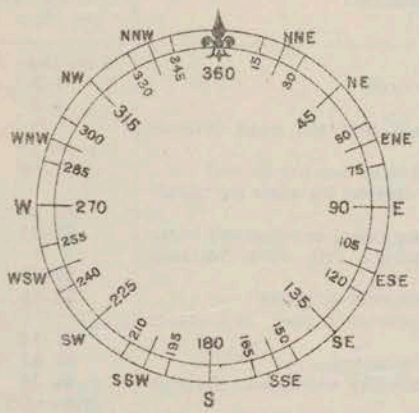
This scale applies under the following conditions —

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°.

Temperature.—Temperature is specified in degrees Fahrenheit Temperatures are 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 or humidity 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, heights are given both in feet and kilometres and temperatures in degrees Fahrenheit and Absolute. The lines marked "Anti-cyclonic," "Cyclonic," "Summer," and "Winter," indicate the normal fall of temperature with height or lapse rate under the conditions indicated. The oblique line marked "Adiabatic" shows the lapse rate 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.



Cloud Types.—In the inset maps of the British Section and in the cloud maps of the Upper Air Supplement the amounts of different types of cloud are shown. The forms, Cumulus (Cu.), Nimbus (Nb.), Strato-cumulus (St.-cu.), Cumulo-nimbus (Cu.-nb), and Stratus (St.) are set out on the chart of Lower Cloud. The forms, Alto-cumulus (A.-cu.), Alto-stratus (A.-st.), Cirrus (Ci.), Cirro-cumulus (Ci.-cu.), and Cirro-stratus (Ci.-st.) are given under Upper Cloud. The proportion of the sky covered with cloud of the different types is shown by numbers (tenths of the sky covered).

For description of Cloud Types reference may be made to "Meteorological Glossary," M.O. 225 ii and "Cloud Forms," M.O. 233.

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.

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 Upper Air Supplement for heights of 1,000 feet, 2,000 feet, 5,000 feet, 8,000 feet, 10,000 feet, and 15,000 feet The data are usually based on Pilot Balloon ascents.

In the forecasts of upper wind, direction is specified in points and in degrees from true north measured through East 90°, South 180°, West 270° to North 360°. (*See* diagram in margin.)

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

SECOND QUARTER, APRIL TO JUNE.

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

	STATIONS.	PRESSURE. 1906–1915. 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 SUNSH'NE. 1881–1915. Daily Mean.	Per Centage of Possible Duration.
		mb.	°F.	°F.	°F.	°F.		°F.			mm.	in.	hr	%
APRIL.	Lerwick	1010·9	40·9	46·0	36·9	59	1901, 14	21	1899	19	58	2·28	—	—
	Stornoway	1011·9	41·9	49·5	37·5	67	1893	20	1881	19	77	3·03	5·13	36
	Castlebay (Barra Isd.)	[1012·6]§	[44·0]§	[48·5]§	[41·1]§	[62]§	[1915]§	[27]§	[1908]§	[20]§	[72]§	[2·84]§	[5·33]§	[38]§
	Eskdalemuir	[1015·9]¶	[39·6]¶	[50·0]‖	[33·9]‖	[67]‖	[1914]‖	[18]‖	[1910]‖	[17]‖	[113]‖	[4·44]‖	[4·60]‖	[33]‖
	Malin Head	1012·6	43·4	[49·7]*	[40·8]*	[69]*	[1914]*	[26]*	[1908]*	[19]*	[50]*	[1·97]*	—	—
	Blacksod Point	1013·9	45·7	[51·5]*	[41·9]*	[71]*	[1893]*	[29]*	[1897, 1911]*	[20]*	[74]*	[2·90]*	—	—
	Valencia	1015·9	45·5	53·4	42·6	70	1892	30	1879, 92, 97, 98, 1906	19	93	3·67	5·33	39
	Roche's Point	1016·1	45·0	52·9	42·2	72	1893	29	1908	16	68	2·68	—	—
	Birr Castle	1015·2	42·2	54·2	38·0	73	1893	21	1892	16	55	2·15	5·13	37
	Donaghadee	1014·6	42·6	51·1	40·2	67	1909	28	1908	16	51	2·00	—	—
	Liverpool (Observatory)	1015·2	43·1	52·4	40·2	75	1893	28	1908, 11	14	41	1·63	[5·77]§	[42]§
	Holyhead	1014·9	45·0	51·2	41·5	75	1893	30	1908	14	53	2·08	[6·70]**	[48]**
	Pembroke (St. Ann's Hd.)	1015·4	44·3	50·6	42·0	70	1893	28	1911	15	50	1·95	5·93	43
	Scilly (St. Mary's)	1015·9	46·7	52·7	44·5	66	1893	30	1911	15	49	1·91	6·03	44
	Falmouth	1016·6	45·7	52·6	42·9	69	1893	29	1911	15	67	2·64	6·13	45
	Jersey (St. Aubin's)	1016·5	47·0	54·5	43·7	77	1893	28	1911	15	49	1·94	6·47	47
	Portland Bill	1015·6	45·2	51·6	42·3	[65]†	[1901, 04]†	[28]†	[1911]†	13	40	1·58	—	—
	Dungeness	1015·1	44·5	51·7	40·5	67	1901	24	1903	13	35	1·36	—	—
	Dover	[1016·1]§	[45·1]§	[52·6]§	[40·0]§	[71]§	[1914]§	[27]§	[1911]§	[14]§	[41]§	[1·60]§	[6·93]§	[51]§
	Wick	1011·7	41·3	49·1	36·8	69	1900	20	1905	18	51	1·99	—	—
	Nairn	1012·3	41·0	51·8	35·9	73	1914	18	1908	16	38	1·50	[4·83]‡	[34]‡
	Aberdeen	1013·4	42·2	49·8	37·6	74	1900	22	1908	17	48	1·87	5·27	37
	Leith	1013·7	42·9	52·6	38·1	73	1900	17	1908	14	33	1·29	—	—
	Tynemouth	1014·4	42·0	50·5	37·7	71	1892	23	1908	15	36	1·42	—	—
	Spurn Head	1014·5	43·3	49·8	40·0	70	1915	30	1881, 89, 1903, 05, 11	13	28	1·12	[6·60]**	[48]**
	Yarmouth	1015·2	43·3	50·0	39·8	72	1885	27	1911	14	38	1·49	[6·63]§	[48]§
	Clacton-on-Sea	1015·5	43·9	50·9	40·2	[69]‡	[1907, 09, 12]‡	[25]‡	[1911]‡	11	33	1·28	6·03	44
	Nottingham	1015·4	42·4	54·1	37·8	77	1893	23	1888	15	36	1·43	4·97	36
	LONDON (Kew Obsy.)	1016·2	43·2	55·0	39·5	80	1893	27	1887, 91, 11	13	37	1·45	5·23	38
MAY.	Lerwick	1013·7	44·6	49·9	40·5	63	1895	28	1909	18	53	2·09	—	—
	Stornoway	1013·7	46·9	53·7	41·3	75	1908	26	1906	19	65	2·56	6·16	37
	Castlebay (Barra Isd.)	[1014·5]§	[48·2]§	[53·2]§	[44·9]§	[73]§	[1911]§	[32]§	[1909]§	[17]§	[54]§	[2·11]§	[7·23]§	[44]§
	Eskdalemuir	[1016·3]¶	[45·3]¶	[55·7]‖	[38·5]‖	[73]‖	[1915]‖	[24]‖	[1915]‖	[15]‖	[72]‖	[2·85]‖	[5·32]‖	[33]‖
	Malin Head	1013·1	47·6	[54·1]*	[45·0]*	[73]*	[1908]*	[35]*	[1886, 91, 97* 1904, 06, 10]	[17]*	[50]*	[1·98]*	—	—
	Blacksod Point	1013·6	49·7	[55·9]*	[45·8]*	[75]*	[1890, 1911]*	[34]*	[1910]*	[19]*	[72]*	[2·82]*	—	—
	Valencia	1014·3	50·6	57·9	46·5	74	1884, 95, 97	34	1885, 96	18	81	3·17	6·55	42
	Roche's Point	1015·0	50·2	57·4	46·5	73	1896	35	1909	15	62	2·43	—	—
	Birr Castle	1014·5	48·7	59·8	42·7	77	1881, 95, 1911	29	1885, 91, 1909, 14	16	57	2·23	5·87	37
	Donaghadee	1014·7	47·5	55·8	44·4	70	1896, 1911	33	1884, 85, 97, 1909	16	58	2·27	—	—
	Liverpool (Observatory)	1015·2	49·2	58·2	45·3	80	1895	30	1883	15	48	1·90	[6·84]§	[43]§
	Holyhead	1014·8	49·9	56·0	45·6	74	1895	37	1894, 1903, 07, 09	14	50	1·96	[7·10]**	[45]**
	Pembroke (St. Ann's Hd.)	1014·7	49·8	55·2	46·1	72	1890, 1910, 11, 15	36	1883, 87, 1904 05, 06, 10	14	49	1·91	6·97	45
	Scilly (St. Mary's)	1014·9	51·0	56·8	48·2	68	1911	38	1883	13	42	1·67	7·35	48
	Falmouth	1015·6	51·5	57·7	47·0	75	1915	36	1885, 1892	14	56	2·21	7·45	49
	Jersey (St. Aubin's)	1015·9	53·1	60·2	48·1	80	1913	35	1905, 06	13	46	1·82	7·81	51
	Portland Bill	1015·2	50·8	56·9	46·8	[74]†	[1911, 15]†	[36]†	[1900, 02]†	11	40	1·59	—	—
	Dungeness	1015·0	51·2	57·8	46·1	76	1892, 1913	30	1892, 1902	11	33	1·30	—	—
	Dover	[1016·5]§	[52·2]§	[59·6]§	[46·0]§	[77]§	[1909, 13]§	[35]§	[1909, 10]§	[11]§	[35]§	[1·39]§	[7·94]§	[52]§
	Wick	1013·8	45·9	53·4	40·8	71	1891	27	1886, 1902, 09	18	53	2·07	—	—
	Nairn	1013·8	46·7	56·8	40·7	78	1888	26	1894, 1914	17	46	1·80	[5·71]‡	[35]‡
	Aberdeen	1014·6	47·8	54·5	41·8	75	1902	29	1884, 91	17	59	2·33	6·03	37
	Leith	1014·5	48·2	57·3	42·8	81	1881	27	1883	14	46	1·83	—	—
	Tynemouth	1015·0	48·0	54·9	42·4	73	1903, 11	29	1891, 1909	14	51	1·99	—	—
	Spurn Head	1014·9	49·4	55·1	45·0	76	1913	34	1891	12	39	1·55	[5·74]**	[36]**
	Yarmouth	1015·3	50·4	55·9	45·2	81	1912	32	1891, 92	13	44	1·73	[7·48]§	[48]§
	Clacton-on-Sea	1015·4	51·3	57·5	45·5	[75]‡	[1909, 13]‡	[31]‡	[1902]‡	11	34	1·34	7·52	49
	Nottingham	1015·4	49·4	60·4	43·2	82	1895	27	1881, 1905	15	48	1·89	5·87	37
	LONDON (Kew Obsy.)	1015·8	51·1	61·7	45·0	84	1895	31	1886, 1892	12	44	1·72	6·48	42
JUNE.	Lerwick	1013·6	48·7	52·9	45·0	70	1891	33	1888	15	45	1·78	—	—
	Stornoway	1014·3	51·5	58·4	46·4	78	1911	31	1888	17	59	2·32	5·93	33
	Castlebay (Barra Isd.)	[1015·0]§	[52·2]§	[57·2]§	[49·2]§	[71]§	[1908, 10]§	[41]§	[1913]§	[16]§	[49]§	[1·91]§	[6·37]§	[36]§
	Eskdalemuir	[1015·2]¶	[51·1]¶	[61·2]‖	[43·9]‖	[78]‖	[1911]‖	[30]‖	[1914]‖	[15]‖	[77]‖	[3·05]‖	[5·63]‖	[33]‖
	Malin Head	1014·1	52·0	[58·7]*	[49·7]*	[78]*	[1905]*	[40]*	[1902, 07]*	[16]*	[54]*	[2·14]*	—	—
	Blacksod Point	1015·2	53·9	[60·6]*	[50·8]*	[82]*	[1887]*	[39]*	[1912]*	[17]*	[71]*	[2·79]*	—	—
	Valencia	1016·2	54·7	62·3	51·1	81	1887, 1902	37	1912	17	81	3·20	6·27	38
	Roche's Point	1016·4	54·5	62·4	51·3	80	1887	39	1912	14	68	2·67	—	—
	Birr Castle	1015·7	53·2	64·9	48·4	85	1887	32	1881	15	59	2·31	5·47	33
	Donaghadee	1015·2	51·8	60·7	49·3	77	1887	37	1885	15	59	2·33	—	—
	Liverpool (Observatory)	1015·6	54·0	63·6	51·0	85	1893	40	1903, 07	14	56	2·20	[7·00]§	[42]§
	Holyhead	1015·5	54·2	61·0	50·6	78	1888, 96	42	1882, 1912	13	55	2·15	[7·17]**	[43]**
	Pembroke (St. Ann's Hd.)	1015·8	53·4	60·0	51·3	79	1893	38	1888	13	50	1·98	7·27	44
	Scilly (St. Mary's)	1016·4	54·9	61·4	53·0	75	1893	41	1888	13	43	1·71	7·73	48
	Falmouth	1017·0	55·5	62·8	52·0	80	1893	42	1914	13	59	2·31	7·37	46
	Jersey (St. Aubin's)	1017·6	57·2	64·8	53·0	84	1893	39	1890	12	54	2·11	7·90	49
	Portland Bill	1016·2	55·0	61·6	52·2	[78]†	[1903]†	[43]†	[1903]†	10	34	1·33	—	—
	Dungeness	1015·8	56·2	62·8	51·7	76	1897, 1902, 03, 08, 14	37	1890, 91, 92, 93, 1909	11	40	1·56	—	—
	Dover	[1016·1]§	[56·8]§	[63·6]§	[50·3]§	[82]§	[1915]§	[38]§	[1911]§	[12]§	[54]§	[2·11]§	[7·57]§	[47]§
	Wick	1014·0	50·2	58·0	45·5	77	1887, 92	30	1881, 1903	16	46	1·80	—	—
	Nairn	1014·1	52·0	62·1	46·2	84	1888	30	1888, 1903	15	45	1·76	[5·57]‡	[32]‡
	Aberdeen	1014·7	53·0	59·9	47·0	80	1881, 87	30	1888	15	43	1·71	6·13	35
	Leith	1014·7	53·5	62·9	48·4	86	1887	34	1886	13	44	1·73	—	—
	Tynemouth	1015·1	53·2	60·7	47·8	80	1897	36	1907, 09	13	50	1·98	—	—
	Spurn Head	1015·0	54·4	60·9	50·6	83	1914	34	1881	12	39	1·53	[6·77]**	[41]**
	Yarmouth	1015·5	55·3	62·0	51·1	81	1888	37	1898	12	45	1·77	[7·27]§	[44]§
	Clacton-on-Sea	1015·9	56·1	63·5	50·9	[78]‡	[1903]‡	[38]‡	[1902]‡	10	40	1·58	7·33	45
	Nottingham	1015·6	54·2	66·7	48·8	88	1883	33	1906	13	49	1·93	5·87	35
	LONDON (Kew Obsy.)	1016·4	55·7	67·6	50·8	87	1900	38	1890, 92, 96	12	55	2·15	6·57	40

* Results for 30 years, 1886–1915.
† " 16 " 1900–1915.
‡ " 15 " 1901–1915.
‡ Results for 9 years, 1907–1915.
§ " 8 " 1908–1915.
‖ " 6 " 1910–1915.
¶ Results for 5 years, 1911–1915.
** " 2 " 1914–1915.

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

AIR MINISTRY.

No. 54

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 JUNE, 1921.

For some months past rainfall has been below the average in several districts but the deficiency became much more marked in June. In Kent, for instance, the total at Lympne for the whole month was only 1mm while in many other Southern districts there were less than 6mm. At Kew Observatory the total was 5mm, the smallest fall in June for over 50 years, though the amount in 1895 was only 1mm greater and still lower records have been obtained in some other month. At Valencia, in the South-West of Ireland, however, the scarcity of rain was still more remarkable. During the past fifty three years for which records are available either on the island or the mainland the smallest aggregate for any one month was 6mm (in May 1896). Only about half this quantity fell during the month just ended.

There was a warm spell in the middle of the month followed by a few cooler days around the 20th but subsequently temperature rose decidedly in England and attained its maximum in most districts on the 25th. On this date, 88° were registered at Nottingham, a value unequalled in that locality in June since 1883 and it is over thirty years since 80° was recorded at Aberdeen in that month. Thunderstorms occurred over a wide area in Eastern England during the following night. They were also reported earlier in the month, on the 17th and 18th.

In a shower of melted hail on the evening of the 20th a few flakes of sleet were observed at Aberdeen.

UPPER WINDS.

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

Height.	Station.	No. of Obs.	Under 10 m.p.h.	10–25 m.p.h.	25–45 m.p.h.	45–70 m.p.h.	Above 70 m.p.h.
ft.							
2,000	Valencia.	22	10	9	3	0	0
5,000		15	7	7	1	0	0
10,000		14	4	7	3	0	0
15,000		9	4	5	0	0	0
2,000	Lympne.	73	18	40	14	1	0
5,000		39	5	31	3	0	0
10,000		3	0	2	0	1	0
15,000		2	1	1	0	0	0
2,000	Eskdalemuir.	39	15	22	2	0	0
5,000		24	2	21	1	0	0
10,000		14	0	10	3	1	0
15,000		4	0	3	1	0	0

SURFACE VISIBILITY. [No. of observations within fixed limits of telegraphic code (see p. 3).]

STATIONS.	1H. 0	1	2	3	4	5	6	7	8	9
Lerwick	0	1	1	0	2	3	10	11	2	0
Stornoway	0	0	2	0	1	2	19	6	0	0
Renfrew	0	0	0	0	1	0	0	4	25	0
Eskdalemuir	0	0	0	1	1	0	7	13	8	0
Malin Head	*	*	*	*	*	*	*	*	*	*
Blacksod Point	0	1	0	2	2	3	6	9	7	0
Valencia	1	0	0	1	0	2	10	8	8	0
Roche's Point	*	*	*	*	*	*	*	*	*	*
Baldonnel	0	0	0	0	0	2	1	5	22	0
Manchester (Alexandra Park)	*	*	*	*	*	*	*	*	*	*
Holyhead	0	0	0	1	0	1	0	3	25	0
Pembroke (St. Ann's Head)	0	0	0	1	0	0	1	2	14	12
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*
Scilly	0	1	0	0	0	0	0	1	26	2
Falmouth	*	*	*	*	*	*	*	*	*	*
Cattewater	*	*	*	*	*	*	*	*	*	*
Calshot	0	0	0	0	0	0	0	2	28	0
Lympne	0	0	0	0	0	0	1	3	22	4
Aberdeen	*	*	*	*	*	*	*	*	*	*
Tynemouth	0	0	0	0	2	5	5	12	6	0
Howden	0	0	0	1	4	4	4	12	5	0
Cranwell	0	0	0	0	0	1	2	8	19	0
Felixstowe	0	0	0	0	0	0	0	3	25	2
Yarmouth	0	0	0	0	0	0	0	8	17	5
Shoeburyness	*	*	*	*	*	*	*	*	*	*
Isle of Grain	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*
S. Farnboro'	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	*	*	*	*	*	*	*	*	*	*
Croydon	0	0	0	0	0	0	4	10	16	0

STATIONS.	7H. 0	1	2	3	4	5	6	7	8	9
Lerwick	0	1	0	1	2	2	4	10	10	0
Stornoway	0	0	0	0	0	0	3	15	11	1
Renfrew	0	0	0	4	4	2	0	5	15	0
Eskdalemuir	0	0	1	0	0	0	6	4	19	0
Malin Head	*	*	*	*	*	*	*	*	*	*
Blacksod Point	0	1	0	0	2	2	5	8	10	2
Valencia	0	0	0	0	0	1	2	2	12	13
Roche's Point	0	0	1	0	0	0	2	4	22	1
Baldonnel	0	0	0	0	0	3	4	5	18	0
Manchester (Alexandra Park)	0	0	1	0	2	8	8	3	7	1
Holyhead	0	0	0	2	0	0	0	2	25	1
Pembroke (St. Ann's Head)	0	0	0	1	0	1	0	3	20	5
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*
Scilly	0	0	0	0	0	1	1	4	21	3
Falmouth	0	0	0	1	0	0	1	9	19	0
Cattewater	0	0	0	0	0	0	3	1	24	2
Calshot	0	0	0	0	0	0	2	3	25	0
Lympne	0	0	0	0	0	0	3	6	18	3
Aberdeen	0	0	0	0	0	1	2	2	25	0
Tynemouth	0	0	0	0	0	4	3	7	16	0
Howden	0	0	0	0	0	0	3	10	16	1
Cranwell	0	0	0	0	0	0	0	6	23	1
Felixstowe	0	0	0	0	0	0	1	4	20	5
Yarmouth	0	0	0	0	0	1	1	13	15	0
Shoeburyness	0	0	0	0	0	4	5	18	3	0
Isle of Grain	0	0	0	0	0	0	2	10	14	4
Benson	0	0	0	0	0	1	0	16	11	2
S. Farnboro'	0	0	0	0	0	0	1	0	24	5
London (Kew Obsy.)	0	0	0	0	0	2	5	10	12	1
Croydon	0	0	0	0	0	2	5	9	14	0

STATIONS.	13H. 0	1	2	3	4	5	6	7	8	9
Lerwick	0	0	1	0	1	2	5	8	12	1
Stornoway	0	0	1	0	0	1	3	10	14	1
Renfrew	0	0	0	0	0	3	3	4	17	3
Eskdalemuir	0	0	0	0	0	1	2	7	20	0
Malin Head	*	*	*	*	*	*	*	*	*	*
Blacksod Point	0	0	0	1	4	0	4	6	12	3
Valencia	0	0	0	0	0	1	0	4	10	15
Roche's Point	0	0	0	0	0	0	1	1	23	5
Baldonnel	0	0	0	0	0	0	4	8	16	2
Manchester (Alexandra Park)	0	0	0	0	0	2	4	5	13	6
Holyhead	0	0	0	0	0	0	1	2	22	5
Pembroke (St. Ann's Head)	0	0	0	0	0	0	1	1	20	8
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*
Scilly	0	0	0	0	0	0	0	3	25	2
Falmouth	0	0	0	0	0	0	1	8	20	1
Cattewater	0	0	0	0	0	0	0	3	17	10
Calshot	0	0	0	0	0	0	0	3	23	4
Lympne	0	0	0	0	0	1	0	4	12	13
Aberdeen	0	0	0	0	0	0	0	2	26	2
Tynemouth	0	0	0	0	0	0	0	8	22	0
Howden	0	0	0	0	1	0	3	8	16	2
Cranwell	0	0	0	0	0	0	2	1	24	3
Felixstowe	0	0	0	0	0	0	0	1	24	5
Yarmouth	0	0	0	0	0	0	1	7	22	0
Shoeburyness	0	0	0	0	0	0	5	9	5	1
Isle of Grain	0	0	0	0	0	0	0	4	22	4
Benson	0	0	0	0	0	0	1	7	19	3
S. Farnboro'	0	0	0	0	0	0	0	1	27	2
London (Kew Obsy.)	0	0	0	0	0	0	1	4	17	7
Croydon	0	0	0	0	0	0	0	6	15	9

STATIONS.	18H. 0	1	2	3	4	5	6	7	8	9
Lerwick	0	0	0	1	3	2	2	6	15	1
Stornoway	0	0	0	0	0	0	3	11	12	4
Renfrew	0	0	0	0	0	0	0	4	18	8
Eskdalemuir	0	0	0	0	0	2	1	5	22	0
Malin Head	*	*	*	*	*	*	*	*	*	*
Blacksod Point	0	0	0	0	4	0	3	9	12	2
Valencia	0	0	0	0	4	0	1	5	10	13
Roche's Point	0	0	0	0	0	0	1	2	27	0
Baldonnel	0	0	0	0	0	0	2	4	8	16
Manchester (Alexandra Park)	0	0	0	0	1	1	4	5	13	6
Holyhead	0	0	1	0	0	0	0	1	22	6
Pembroke (St. Ann's Head)	0	0	0	0	0	0	1	3	17	9
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*
Scilly	0	0	2	0	0	1	0	5	19	3
Falmouth	0	0	0	0	0	0	5	8	16	1
Cattewater	*	*	*	*	*	*	*	*	*	*
Calshot	0	0	0	0	0	0	0	3	25	4
Lympne	0	0	0	0	0	0	0	3	12	15
Aberdeen	0	0	0	0	0	1	1	1	24	3
Tynemouth	0	0	1	0	0	0	2	4	23	0
Howden	0	0	0	0	0	0	1	6	19	4
Cranwell	0	0	0	0	0	0	0	4	20	6
Felixstowe	0	0	0	0	0	0	0	1	22	7
Yarmouth	0	0	0	0	0	0	0	8	21	1
Shoeburyness	0	0	0	0	0	1	4	14	11	0
Isle of Grain	0	0	0	0	0	0	0	2	20	8
Benson	0	0	0	0	0	0	0	6	19	5
S. Farnboro'	0	0	0	0	0	0	0	1	26	3
London (Kew Obsy.)	0	0	0	0	0	mb.	4	21	5	
Croydon	0	0	0	0	0	0	1	4	11	15

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

Pc. 3143/393. wt. 1/4. 622. 8/5. C. 2.

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

STATIONS.	Temperature. Number of daily readings within fixed limits. * Maximum. 51 - 59	60 - 68	69 - 77	78 - 86	87 or above.	* Minimum. 24 - 32	33 - 41	42 - 50	51 - 59	60 - 68	Extremes:—Warmest and Coldest Days. Highest Maximum. °F	Date.	Lowest Maximum. °F	Date.	Nights. Highest Minimum. °F	Date.	Lowest Minimum. °F	Date.	Number of Ground Frosts.	Low Cloud. Number of observations within fixed limits. 1H. Below 1,500 ft.	1,500–5,000 ft.	5,000–10,000 ft.	7H. Below 1,500 ft.	1,500–5,000 ft.	5,000–10,000 ft.	13H. Below 1,500 ft.	1,500–5,000 ft.	5,000–10,000 ft.	18H. Below 1,500 ft.	1,500–5,000 ft.	5,000–10,000 ft.
	* one reading below 51																														
Aberdeen * ...	15	10	3	1	0	0	3	21	6	0	80	25	50	21	57	23	39	6	1	0	17	1	0	21	0	0	22	0	0	18	2
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Renfrew ...	7	16	6	1	0	1	2	20	7	0	80	25	55	21	54	15, 25	31	27	3	2	23	0	4	18	0	1	22	3	5	14	5
Eskdalemuir ...	12	9	9	0	0	1	8	15	6	0	76	25	54	9, 12	54	25	30	2	3	2	19	1	3	19	1	0	22	4	0	19	4
Tynemouth ...	14	11	4	1	0	0	0	21	9	0	80	25	53	21	57	25	42	28	*	1	10	3	0	16	6	0	18	4	0	18	1
Howden ...	3	15	9	3	0	0	10	11	9	0	85	25	57	12	59	26	34	28	9	0	22	2	0	24	2	1	25	0	0	23	1
Cranwell ...	2	18	7	3	0	0	5	17	8	0	86	25	55	4	58	26	38	19	1	4	13	0	5	19	0	2	24	3	3	18	4
Yarmouth ...	8	19	2	1	0	0	1	?14	?15	0	79	26	56	18, 21	58	26	41	19	0	0	8	6	0	8	8	0	7	10	0	6	13
Nottingham ...	2	17	7	3	1	0	3	14	12	1	88	25	57	4	60	26	37	28	0	*	*	*	0	22	0	0	24	0	0	19	0
I. of Grain ...	1	22	6	1	0	0	2	12	16	0	78	17	59	18	57	7, 25	34	19	1	*	*	*	1	18	0	1	20	2	1	16	1
Benson... ...	0	11	13	6	0	0	8	12	10	0	85	24	61	19	57	16	34	12, 19	6	*	*	*	*	*	*	*	*	*	*	*	*
London ... (Kew Obsy.)	0	17	8	5	0	0	0	12	17	1	85	25	61	19	61	26	43	19	1	*	*	*	0	18	0	0	9	12	0	9	8
Croydon ...	0	17	10	3	0	0	3	14	13	0	83	25	61	4, 19	58	26	36	19	1	7	7	0	8	8	1	5	19	0	3	15	2
Manchester ...	3	16	8	2	1	0	6	11	12	1	87	25	56	12	60	26	36	2	1	*	*	*	3	17	3	2	20	0	2	21	0
Bidston ...	10	14	4	2	0	0	0	13	17	0	86	25	55	19	57	25, 26	44	6, 7	0	*	*	*	8	14	0	4	13	3	5	11	0
Holyhead ...	6	21	3	0	0	0	1	11	18	0	77	25	56	4	57	25	40	2	1	5	11	0	3	18	0	2	16	1	1	13	0
Falmouth ...	0	18	12	0	0	0	0	4	26	0	77	17	61	1, 4	59	26	45	1	0	*	*	*	*	*	*	*	*	*	*	*	*
Calshot ...	0	13	16	1	0	0	0	10	20	0	80	15	62	19	59	26	46	11, 12	0	1	8	4	1	12	4	1	11	8	0	11	7
Lympne ...	5	19	5	1	0	0	2	17	11	0	79	25	56	5	55	26	38	19	1	3	10	1	8	13	2	3	20	0	4	12	4
Dublin (Phœnix Park)	1	20	9	0	0	0	8	12	10	0	75	25	57	1	56	5, 14	36	1, 3	10	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnel ...	1	21	6	2	0	0	7	12	11	0	79	24	58	1	55	26	39	3, 29, 30	0	1	17	0	10	9	0	2	21	3	2	18	0
Birr Castle ...	4	12	11	3	0	0	4	14	12	0	84	25	55	2	59	26	36	1	1	*	*	*	5	12	2	1	19	0	1	21	0
Valencia ...	8	14	8	0	0	0	0	16	14	0	73	25	54	1, 10	58	26	43	9	0	*	*	*	5	13	0	4	23	1	3	17	3

UPPER AIR TEMPERATURE.

Pressure.	Normal Height.	Normal Temperature.	Baldonnel. Mean.	No. of Reports.	Shoeburyness. Mean.	No. of Reports.	S. Farnboro'. Mean.	No. of Reports.	Andover. Mean.	No. of Reports.
mb.	feet.	°F.	°F.		°F.		°F.		°F.	
950	1840	52	55	27	53	4	55	9	52	2
850	4850	43	50	27	42	4	47	12	42	2
750	8170	33	41	26	37	2	42	9	31	2
650	11,920	22	29	25	-	0	30	6	21	2
550	16,100	7	16	5	-	0	12	1	-	0

MINIMUM SURFACE HUMIDITY.

No. of Days with Minima between Fixed Limits.

Station.	95–100 %	90–94 %	80–89 %	70–79 %	60–69 %	50–59 %	40–49 %	30–39 %	20–29 %
Renfrew ...	0	0	3	6	6	7	6	2	0
Eskdalemuir ...	0	0	0	2	4	7	7	8	0
Valencia ...	0	0	2	6	14	5	3	0	0
Falmouth ...	0	0	0	0	8	11	9	2	0
Aberdeen ...	0	0	1	3	7	6	11	2	*
Leith	*	*	*	*	*	*	*	*	1
Benson ...	0	0	0	1	1	6	16	5	1
London ... (Kew Obsy.)	0	0	0	1	3	5	15	5	

† On two occasions the minimum humidity was below 20 %.

* Since March 1st 1921 the readings used have been the maximum for the period 7h-18h and the minimum for the period 18h-7h. Previously the period was 7h-7h.

RAINFALL, HUMIDITY AND LOW CLOUD, JUNE, 1921.

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.	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. *
Aberdeen ...	2	6	4	8	10	16·3	6	1455	+68	229	+45	20	4	4	2	0	0	588	-160	28	-15	0	1
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Renfrew ...	*	*	*	*	*	*	*	*	*	*	*	24	4	2	0	0	0	944	*	10	*	0	0
Eskdalemuir ...	1	9	5	0	15	15·8	6	1266	*	221	*	19	6	5	0	0	0	1419	*	22	*	1	0
Tynemouth ...	*	*	*	*	*	*	*	*	*	*	*	23	4	2	1	0	0	541	-80	16	-34	0	0
Howden ...	0	7	5	5	13	15·2	7	1337	*	224	*	25	3	2	0	0	0	374	*	6	*	1	0
Cranwell ...	1	5	6	5	13	15·2	7	1570	*	233	*	22	2	5	1	0	0	391	*	21	*	1	0
Yarmouth ...	2	7	6	4	11	15·3	24	1837	*	210	*	23	5	2	0	0	0	? 393	? -229	? 16	? -29	3	0
Nottingham ...	1	7	5	5	12	14·8	28	1219	-106	219	+43	22	5	2	1	0	0	445	-153	17	-32	2	0
I. of Grain ...	0	4	11	2	13	14·4	29	*	*	232	*	29	0	1	0	0	0	*	*	5	*	1	0
Benson... ...	*	*	*	*	*	*	*	*	*	*	*	24	4	2	0	0	0	454	*	8	*	1	0
London ... (Kew Obsy.)	1	7	5	4	13	14·8	2, 28	1422	-53	224	+27	27	1	2	0	0	0	485	-121	5	-50	2	0
Croydon ...	*	*	*	*	*	*	*	*	*	*	*	25	4	1	0	0	0	497	*	4	*	2	0
Manchester ...	*	*	*	*	*	*	*	*	*	*	*	26	2	2	0	0	0	663	*	7	*	0	0
Bidston ...	2	6	3	7	12	14·1	2, 3	1444	*	227	*	26	3	1	0	0	0	556	-153	3	-53	0	0
Holyhead ...	1	8	2	5	14	15·4	28	1497	*	240	*	24	5	1	0	0	0	980	+92	5	-50	1	0
Falmouth ...	1	2	4	6	17	14·7	10, 16	1703	-56	285	+64	27	2	1	0	0	0	921	-186	3	-56	0	0
Calshot... ...	0	5	5	2	18	14·8	2	1762	*	251	*	28	2	0	0	0	0	517	*	2	*	1	0
Lympne ...	0	5	7	5	13	15·7	29	1814	*	242	*	28	2	0	0	0	0	575	*	1	*	0	0
Dublin ... ... (Phœnix Park)	0	7	4	5	14	15·4	6	1481	-26	245	+56	22	7	1	0	0	0	737	+32	7	-43	0	0
Baldonnel ...	0	9	4	4	13	15·2	6	1365	*	231	*	24	5	1	0	0	0	710	*	4	*	0	0
Birr Castle ...	3	5	3	6	13	14·8	28	1293	-50	227	+63	24	2	2	2	0	0	? 776	? -53	? 19	? -40	1	0
Valencia ...	2	6	4	2	15	15·9	29	1309	-136	257	+69	25	5	0	0	0	0	1354	-60	3	-78	0	0

TELEGRAPHIC CODE.

Figure	Distance of Visibility (Yards).
0	less than 55 yds
1	" " 220 yds
2	" " 550 yds
3	" " 1,100 yds
4	" " 1·2 miles
5	" " 2·5 "
6	" " 4·3 "
7	" " 7·5 "
8	" " 18·6 "
9	beyond 18·6 "

REMARKS ON CHART OF ISOPLETHS FOR JUNE 1921. (p. 4).

The diagram is obtained by drawing a line from Akureyri in Iceland to the South of France, near Marseilles. The points at which the isobars 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. 45° N., Long. 4° E. in the south.

Pressure was generally high in the neighbourhood of the British Isles throughout the greater part of the month. From 1st to 7th it scarcely fell below 1020 mb and soon after the passage of a secondary depression across the Northern districts on the 9th it increased again and rarely fell as low as 1016 mb throughout the remainder of the month. Under the influence of a shallow depression thunderstorms were experienced in many parts of the country on the 25th and 26th.

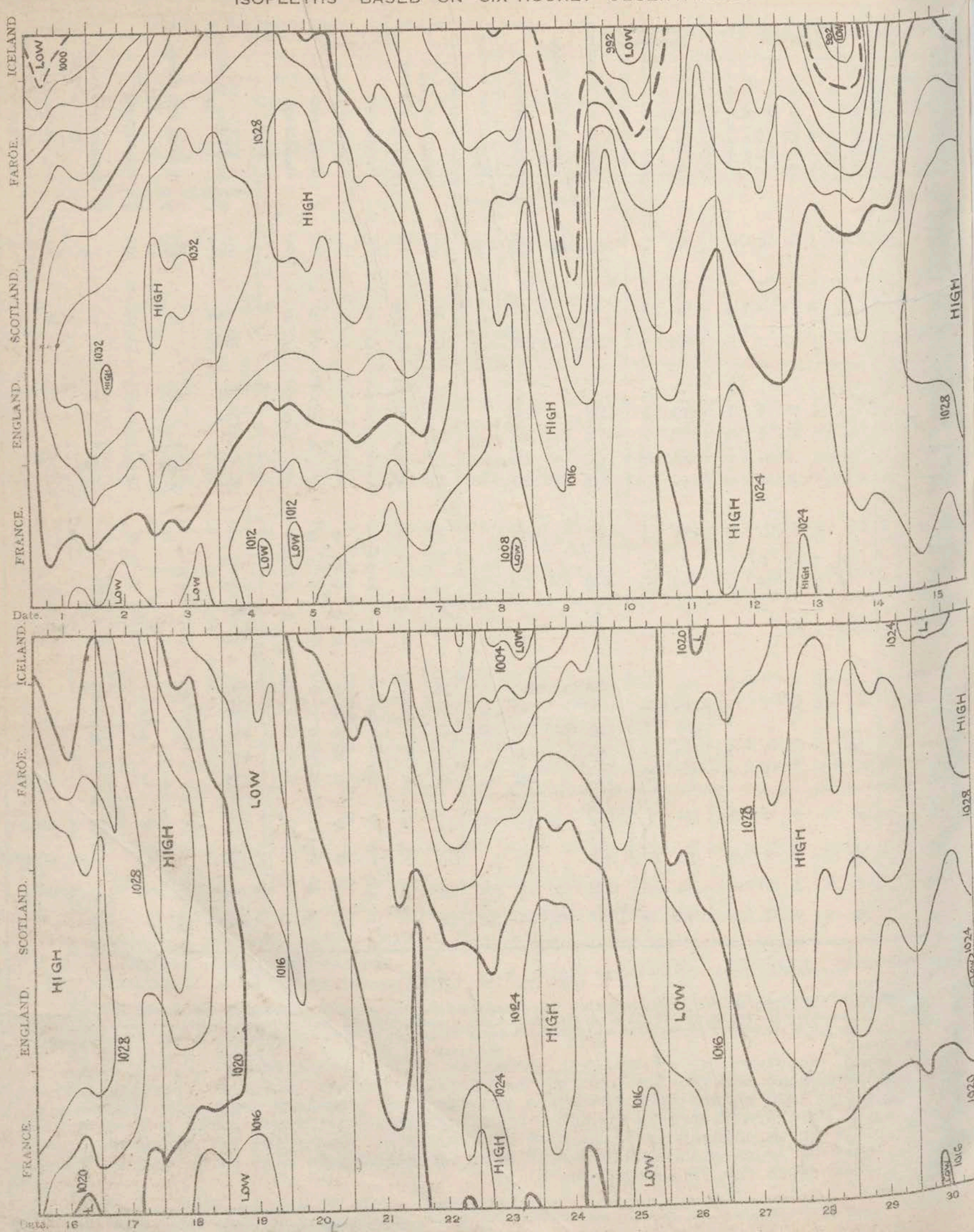
——— = 1,020 mb. — — — — = 1,000 mb. ×—×—×—× = 980 mb. —o—o—o— = 960 mb.

* See notes on page 1.

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

PRESSURE: ICELAND TO GULF OF LIONS ..... JUNE ..... 1921.

ISOPLETHS* BASED ON SIX-HOURLY OBSERVATIONS.



* For explanation and notes on diagram see page 3.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.21,741 Wednesday 1st June 1921.

Observations at 1300 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	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	990.8	+5	WSW	5	o	52	85	7	5750	Cu.Nb	6	-	6	·
Stornoway	1000.1	+11	NNW	4	od	50	75	7	800	St	9	-	9	·
Wick	997.2	+14 (struck)	WNW	3	<PR	55	85	9	2500	Cu.Nb	5	Ci.St.	7	·
Castlebay	1004.2	+19	NNW (struck)	5	o	52	85	7	<150	St.Cu	9	-	9	·
Nairn	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Aberdeen	1000.0	+7	SW'W	4	bc-	62	65	8	4000	Cu	3	Ci	4	·
Malin Head	1005.6	+10	NW	5	c	49	97	7	4000	Cu.Nb	6	A.Cu	8	·
Renfrew	1003.1	+7	WSW	4	o	54	65	8	2500	St.Cu	8	A.St	9	·
Leith	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Eskdalemuir	1004.6	+6	WSW	5	oPR	50	85	6	2500	Nb	10	-	10	·
Tynemouth	1005.2	+6	WSW	5	o	57	85	8	4000	St.Cu	9	·	9	·
Blacksod Point	1012.8	+8	NW	4	c	52	92	8	1500	St.Cu	8	-	8	·
Donaghadee	1006.5	+4	W	2	opr₀	51	85	8	2500	Cu	2	A.St	9	·
Birr Castle	1012.6	·	W	3	o+	50	92	7	2500	Cu.Nb	9	-	9	·
Baldonnell	1009.4	+6	W	4	c	58	65	8	1500	St.Cu	8	-	8	·
Holyhead	1009.2	+6	SW	5	c	57	75	8	4000	St.Cu	7	A.St	8	·
Liverpool (Bidston)	1009.1	+7	WSW	5	opr₀	57	65	7	2500	Nb	10	-	10	·
Manchester (Alex.Pk.)	1009.7	+5	WSW	6	o-	59	55	9	2500	St.Cu	9	-	9	·
Howden	1008.5	+5	SSW	6	bcv	63	65	9	4000	Cu	5	-	5	·
Spurn Head	1009.8	+5	SW	5	bc	63	92	9	5750	Cu	5	-	5	·
Nottingham	1010.3	·	SW	4	bc-	65	55	6	4000	Cu	4	Ci.Cu	5	·
Cranwell	1010.7	+3	SW'S	5	c	62	65	8	4000	Cu	7	Ci.Cu	8	·
Gorleston	1012.4	+3	WSW	5	b/f	68	85	8	5750	Cu	3	-	3	·
Pulham	1012.3	+4	SSW	5	bc	67	45	8	4000	Cu	5	·	5	·
Felixstowe	1014.3	+2	SSW	4	bc	65	55	8	4000	Cu	4	·	4	·
Valencia (Cahirciveen)	1015.3	+6	NW	5	c-	52	65	8	2500	St.Cu	8	-	8	·
Roches Point	1012.3	+6	NW	5	o+	54	85	8	2500	Cu.Nb	9	-	9	·
Pembroke (St. Ann's H.)	1012.4	+5	SW	4	b	54	85	8	5750	Cu	2	-	2	·
Ross-on-Wye	1011.7	+3	WSW	5	c+	61	65	9	4000	Cu	3	A.Cu	7	·
Benson	1012.6	+2	WSW	4	bc	65	55	8	-	Cu	5	-	5	·
S. Farnborough	1013.3	+2	SSW	5	o+	64	55	8	2500	St.Cu	9	-	9	·
London (KEW OBS)	1013.4	+2	SW	5	c+	64	55	9	4000	Cu	6	A.Cu	8	·
Croydon	1014.0	+4	SW	4	o+	62	55	9	4000	Cu	7	A.Cu	9	·
Clacton-on-Sea	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Shoeburyness	1013.7	+3	SW	4	bc	63	55	7	2500	Cu	4	-	4	·
Grain	1014.2	+3	SW'W	4	bc	63	55	8	4000	Cu	3	A.Cu	5	·
Lympne	1015.5	+4	SSW	5	o+	57	75	8	1500	St.Cu	9	-	9	·
Scilly (St. Mary's)	1014.1	+2	W	2	bc-	59	75	9	4000	Cu.Nb	4	-	4	·
Falmouth	1013.9	+2	SW	4	c	60	65	8	-	Cu.Nb	3	A.Cu	8	·
Plymouth	1014.0	+3	SSW	4	o	55	75	7	2500	St.Cu	10	-	10	·
Portland Bill	1013.4	+4	WSW	5	c+	55	92	8	1500	St.Cu	7	-	7	·
Calshot	1014.0	+2	SW'S	5	o+	58	75	8	2500	St.Cu	3	A.St	10	·
Dungeness	1016.1	+2	SW	4	c+	60	97	7	800	St	8	-	8	·
Jersey	1016.2	+1	SW	4	o/r	57	75	8	2500	Nb	10	-	10	·

Observations at 1800 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	Low Cloud Form	Low Cloud Amt. 0-10	Upper Form	Total Amt. 0-10	Sea 0-9
Lerwick	1004.8	+12	WSW	5	od₀	47	97	6	5750	Nb	10	-	10	4
Stornoway	1009.1	+11	NNW	4	or-	47	85	7	450	St	10	-	10	2
Wick	1005.3	+8	NW	2	c+	51	85	9	2500	Cu	5	A.Cu	8	1
Castlebay	1012.5	+8	NNW	4	c	?48	75	6	4000	Nb	4	A.St	7	4
Nairn	1007.5	·	W	3	c	53	·	·	·	·	·	·	·	·
Aberdeen	1006.8	+9	NW'N	3	c+	57	65	8	4000	Cu.Nb	8	-	8	1
Malin Head	1012.5	+8	NW	5	o/r	48	97	7	4000	Nb	10	-	10	5
Renfrew	1009.9	+8	WSW	4	c	53	75	8	2500	St.Cu	8	-	8	·
Leith	1008.2	·	W	4	bc-	58	55	8	-	St.Cu	6	-	6	·
Eskdalemuir	1009.9	+6	WSW	5	c	54	65	7	2500	Cu	7	-	7	·
Tynemouth	1010.1	+2	W	2	cpr₀	58	75	8	5750	Cu	7	-	7	1
Blacksod Point	1016.1	+5	NW	3	bc-	51	92	7	-	-	-	A.Cu	5	2
Donaghadee	1012.6	+8	WNW	3	c	52	75	8	4000	Cu	7	-	7	3
Birr Castle	1015.1	·	NW	1	o	51	85	6	4000	St.Cu	9	-	9	·
Baldonnell	1014.6	+6	WNW	3	c+	54	75	8	2500	St.Cu	8	-	8	·
Holyhead	1014.3	+5	WSW	4	cv	55	75	9	2500	St.Cu	7	A.Cu	8	1
Liverpool (Bidston)	1013.0	+4	W'S	4	c	55	65	9	1500	Cu	3	A.Cu	8	4
Manchester (Alex.Pk.)	1013.2	+6	W	4	c	57	65	8	4000	Cu	8	-	8	·
Howden	1012.1	+4	WNW	4	c	59	75	7	4000 (2500 struck)	St.Cu	4	A.St	8	·
Spurn Head	1013.5	+4	SW	2	c/r	60	92	9	4000	St.Cu	7	-	7	2
Nottingham	1013.3	·	NW	3	opr₀	58	65	5	1500	Nb	6	Ci.St	9	·
Cranwell	1013.8	+4	S'W	4	o	59	65	8	4000 (5750 struck)	St.Cu	9	A.Cu	10	·
Gorleston	1015.0	0	SW	5	c+	61	92	8	5750	Nb	3	A.Cu	8	4
Pulham	1014.2	+1	SW	3	o+	61	65	7	4000	St.Cu	10	-	10	·
Felixstowe	1016.3	+2	S'W	4	o	60	75	8	2500	St.Cu	6	A.St	10	4
Valencia (Cahirciveen)	1019.1	+5	NNW	5	bc-	52	55	8	2500	Cu	4	-	4	4
Roches Point	1016.6	+5	NW	4	o+	53	85	8	2500	Cu.Nb	9	-	9	0
Pembroke (St. Ann's H.)	1015.7	+2	WNW	2	b-	53	75	8	-	-	0	A.Cu	1	5
Ross-on-Wye	1014.1	+3	SW	3	o+	57	65	9	2500	Nb	6	A.St	10	·
Benson	1015.3	+3	W	2	o+	56	75	8	-	St.Cu	10	-	10	·
S. Farnborough	1016.2	+2	SSW	4	o	57	65	8	2500	St.Cu	10	-	10	·
London (KEW OBS)	1015.8	+3	SSW	3	o/r	60	65	8	4000	St	7	A.St	10	·
Croydon	1016.4	+3	SSW	4	or₀	55	75	8	4000	St	7	A.St	10	·
Clacton-on-Sea	1015.6	+3	SSW	4	o+	60	75	7	2500	St	7	A.St	9	4
Shoeburyness	1016.1	+2	SW	2	or₀-	57	75	6	1500	Nb	9	-	9	·
Grain	1016.8	+4	SW	3	or₀+	57	75	8	1500	St	10	-	10	3
Lympne	1017.0	+2	SSW	4	o/r	53	92	7	4000	Nb	10	-	10	·
Scilly (St. Mary's)	1016.4	+2	NW	2	bc	58	75	9	4000	Cu	4	-	4	4
Falmouth	1015.6 (struck; 1016.3 in margin)	+3	WNW	3	b+	58	75	8	-	Cu	2	-	2	·
Plymouth	1015.8	+2	W	2	c	56	75	8	2500	St	6	Ci	7	·
Portland Bill	1015.3	+2	WSW	5	c	55	92	7	1500	St.Cu	7	-	7	3
Calshot	1017.0	+3	SW	4	or₀	(struck; 55 in margin)	85	8	1500	Nb	10	-	10	0
Dungeness	1017.1	+2	SW	3	o/r	54	97	7	2500	Cu.Nb	9	-	9	4
Jersey	1017.6	+1	SSW	3	o/r	53	85	8	2500	Nb	10	-	10	0

London Observations.

24 Hours ended 0900 G.M.T. 1st (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 Day mm	Rainfall Night mm	Sunshine to Sunset hrs.	Humidity 15h G.M.T. %	Humidity 9h G.M.T. %
Kew (24 hours ended 0700)	b m bc	oo	b.lm.r.bz	·	·	47	-	tr	8.5	·	·
Croydon (24 hours ended 0700)	c	p	or₀.ir₀	·	·	47	tr	tr	·	·	·
Greenwich (Royal Obsy.)	b.bc	bcd	ood	71	50	46	-	-	9.3	52	58
City (Bunhill Row)	·	·	·	·	·	·			9.0	·	·
Westminster (St. James' Pk.)	·	·	·	67	52	47	-	-	8.9	54	61
Regents Pk. (Botanical Gdns.)	·	·	·	·	·	·			8.8	·	·
Camden Sq. (Brit. Rainfall)	bc	c	·	71	51	49	-	-	·	.51	61
Kensington Palace	beb	bcb	·	67	51	48	-	-	·	64 (18h)	55
Hampstead Observatory	bcop	obcp	c	64	50	46	-	-	?	·	60

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

24 Hr. ended 1600 G.M.T. 31st

South Kensington

Max.	Time.	Min.	Time.
0.2	2100 30th	<0.2	0100 &
0.6	0600 31st		0400 31st

Kew Observatory

<½ from 1600 30th to 1600 31st

Solar Radiation.
Vertical component per square centimetre.

During yesterday.

South Kensington.

Total 1939 joules

Average Rate 33.3 Milliwatts.

Maximum Rate 95 Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from 31st MAY 21h 30m to 1st JUNE 2h 30m

Stars.	Exposure h. m.	Record h. m.	%
Polaris	5.0	0.0	-
δ Ursae Minoris	5.0	0.0	-

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

1st & 2nd JUNE 1921.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.38 / 3.37	11.51 / 11.51	8.4 / 8.5
Greenwich	3.51 / 3.50	11.58 / 11.58	8.5 / 8.6
Wick	3.17 / 3.16	12.10 / 12.10	9.2 / 9.4
Valencia	4.29 / 4.28	12.39 / 12.39	8.48 / 8.50

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.
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"; bc = cloud 0-5; co = cloud 6-10.

Capital letters indicate intensity, 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.	Metres per second.
0	Less than 1.	Less than 0·3
1	1-3	0·3-1·5
2	4-7	1·6-3·3
3	8-12	3·4-5·4
4	13-18	5·5-7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

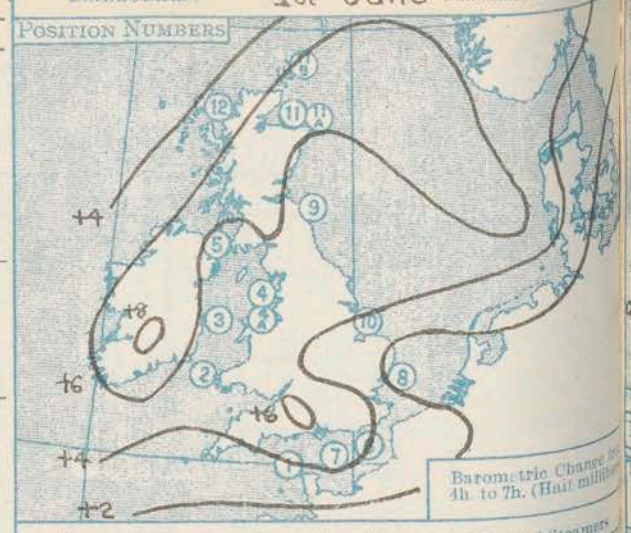
* Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 31st	13h.-18h. 31st	18h.-1h. 31st to 1h. 1st	1h.-7h. 1st	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h.	Night. 18h.-7h.	Precipitation began.	SUN. Hours.
Lerwick	b or bc	oo	f or m	b or bc	53	40	•	2	0.3	-	•
Stornoway	p	p	c	oo	53	41	•	3	1	-	1.8
Wick	p	c	id.	b or bc	57	38	•	1	0.6	-	•
Castlebay	oo	p	c		52	45	•	0.3	-	-	2.4
Nairn	c p q v bc	bc c	c p g		60	42	•	0.5	1	*	4.8
Aberdeen	b or bc	p	c. lm.	b	63	46	42	0.3	-	1100	7.1
Malin Head			p	c	50	46	•		0.6		0.9
Renfrew	p	r or d	c	c	58	40	34	trace	-	0900	4.9
Leith	•	p	oo		61	45	42	1	0.2	-	•
Eskdalemuir	r or d	p	c	c	55	40	36	3	-	1100	6.3
Tynemouth	p	p	b or bc. lm.	b or bc	60	44	•	0.3	-	0900	•
Blacksod Point ...	p	b or bc	b or bc	b or bc	53	47	•	trace	trace	-	•
Donaghadee	p	p	bc v		57	41	•	2	-	1100	•
Birr Castle	p	p	bc. r. c		55	36	26	1	-	-	4.8
Baldonnell	c	c	b or bc	c	58	41 32 ~~34~~		0.6		0900	5.3 ~~3.3~~
Holyhead	c	p	c	c b c	59	48	46	1	-	1630	6.7
Liverpool (Bidston) ...	p	c	b or bc		59	48	•	-	-	-	4.6
Manchester (Alex. Pk.)	oo	c	b or bc		62	40	34	-	-	-	•
Howden	c	c	c	b or bc	66	36	36	-	-	-	11.9
Spurn Head	b or bc	c	c	c	67	50	•	trace	-	1530	•
Nottingham	c	c	c b		66	48	44	0.1	trace	1730	9.8
Cranwell	c	c	p	p	65	48	42	-	1	-	10.7
Gorleston	b or bc	b or bc	ir.	b. or bc	69	50	48	-	0.4	-	12.0
Pulham	b or bc	c	p	c	67	46	40	-	0.1	-	11.0
Felixstowe	b or bc	oo	oo	c	67	49 ~~51~~	*	-	trace	-	10.6
Valencia (Cahirciveen)	p	b or bc	r or d	b or bc	53	46	36	2	-	0900	8.4
Roches Point	c	p	b or bc		55	42	•	1	0.1	1430	•
Pembroke (St. Ann's H.)	b or bc	b or bc	c	c	55	46	•	-	-	-	13.0
Ross-on-Wye	b or bc	c	b. bc c b. c b y. bc		64	41	33	-	-	-	6.3
Benson	b or bc	b or bc	o. r or d		69	44	38	-	1	2200	•
S. Farnborough ...	c	oo	b or bc		67	44	44	-	0.2	2200	8.2
London (Kew Obs.)	b or bc	oo	b. lm. v y. bz		66	52	47	-	trace	-	8.5
Croydon	c	p	c o i r.	i r.	64	49	47	trace	trace	1530	•
Clacton-on-Sea ...	*	b or bc	b or bc		65	49	43	-	0.1	-	10.0
Shoeburyness	b or bc	c	c		66	49	46	trace	trace	1730	9.5
Grain	b or bc	r or d	r. lm.		65	47	44	trace	trace	1730	9.0
Lympne	c	r or d	ir	oo	59	46	35	0.2	0.5	1430 2200	~~8.4~~ 9
Scilly (St. Mary's) ...	p	b or bc	b or bc	b or bc	60	49	•	0.4	-	0900	11.2
Falmouth	c	c	b or bc	b bc. b	61	45	40	-	-	-	8.0
Plymouth	oo	oo	b or bc		56	48	•	~~1~~ -	0.6	0900	2.5
Portland Bill	c	c	r or d	r or d	57	46	•	trace	3	1630	•
Calshot	c	oo	d. p i c. r r	o i r ff.	60	46	41	trace	3.04	1430	7.0
Dungeness	c	p	ir	c	61	49	•	0.4	trace	1630	•
Jersey	p	p	p	d. d.	59	45	•	2	2	0900 2200	1.2

ISALLOBARS. 1st June 1921



Temperature reported from Cross Channel and Coastal Steamers.

Position Number.	3	12	1	6	4A	7
Date	31st	31st	31st	1st	1st	1st
Time G.M.T.	1630	0845	2256	0400	0330	0345
Sea °F	50	52	54	54	52	54
Air °F	52	49	54	55	51	53

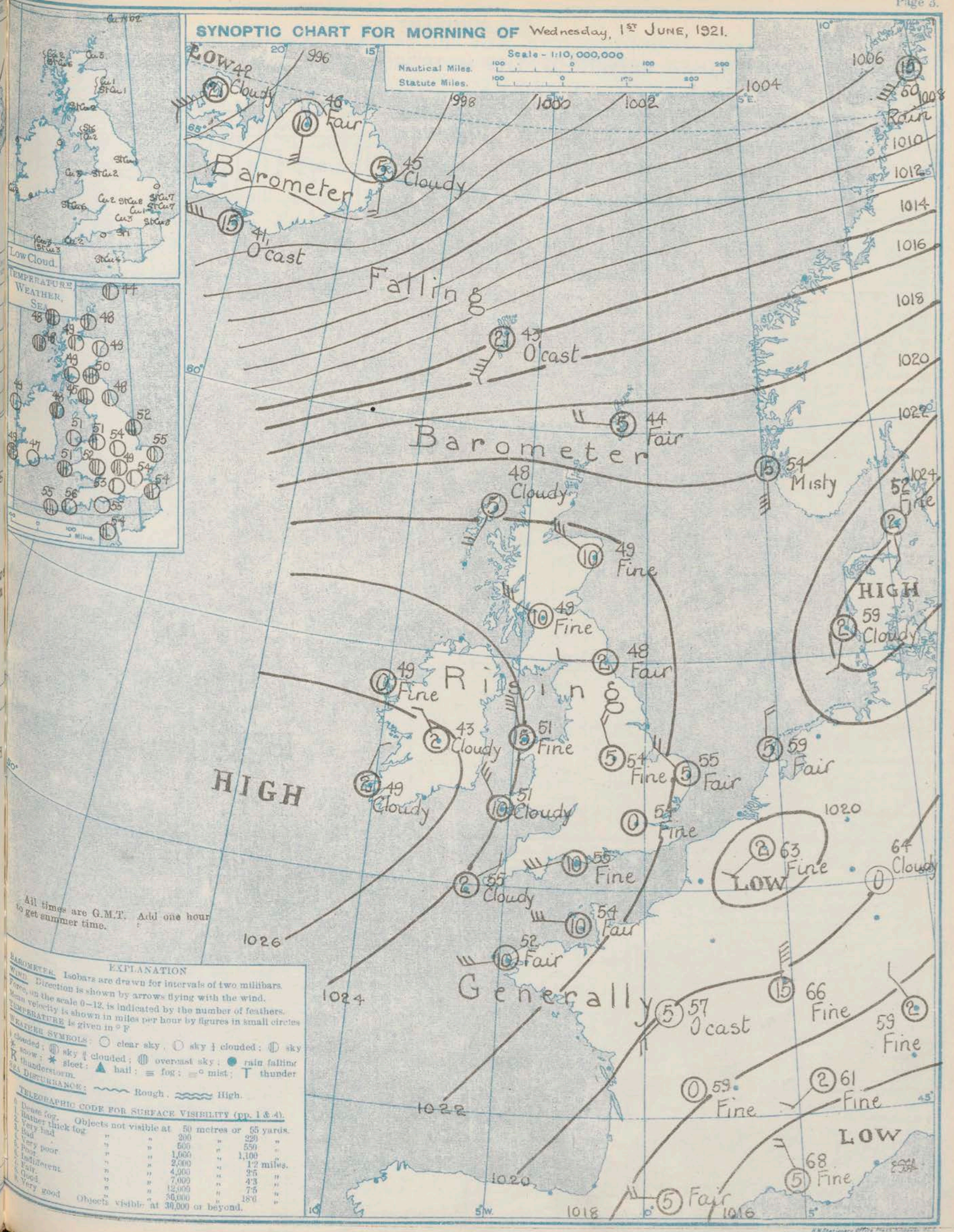
GENERAL INFERENCE.

An anticyclone is spreading over the British Isles from the Atlantic while a shallow trough of low pressure over the North Sea seems likely to disperse gradually. After some local showers, and perhaps thunder, over the E. and S.E. of Great Britain today the weather will probably be fair generally.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday 1st June 1921.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind light, Northerly; variable sky, some local showers, perhaps thunder on Wednesday, then fair. Visibility good. Temperature rising.	Mainly fair and warmer.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind mainly N., light; fair generally. Visibility fair or good. Temperature rising.	-----
11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Wind Northwesterly, light or moderate, mainly fair. Visibility fair to good. Temperature rising somewhat.	
14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind W. to N.W., light or moderate to fresh; cloudy, some showers. Visibility fair to good. Moderate temperature.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind N.W. & N., light; fine. Visibility good. Temperature rising.	

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

Pw 3183/369 Wt 112 D.&S. 24150. 6/21.


SYNOPTIC CHART FOR MORNING OF Wednesday, 1st JUNE, 1921.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
LOW
Barometer Falling
Barometer Rising
Generally
HIGH
HIGH
LOW
LOW
Low Cloud.
TEMPERATURE
WEATHER.
SEA
All times are G.M.T. Add one hour to get summer time.
EXPLANATION
BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Direction is shown by arrows flying with the wind. Force, on the scale 0–12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in ° F.
WEATHER SYMBOLS: clear sky; sky ¼ clouded; sky ½ clouded; sky ¾ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
SEA DISTURBANCE: Rough. High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY (pp. 1 & 4).
0. Dense fog. Objects not visible at 50 metres or 55 yards.
1. Rather thick fog " " 200 " 220 "
2. Very bad " " 500 " 550 "
3. Bad " " 1,000 " 1,100 "
4. Very poor " " 2,000 " 1·2 miles.
5. Poor " " 4,000 " 2·5 "
6. Indifferent " " 7,000 " 4·3 "
7. Fair " " 12,000 " 7·5 "
8. Good " " 36,000 " 18·6 "
9. Very good Objects visible at 36,000 or beyond.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION....Wednesday....1st....June.....1921. No. 152

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	1013.9	+2	NW	3	od.	43	85	6	5750	Nb	9	.	9	*
Stornoway	1016.8	+4	NW	3	0	*	*	6	*	*	*	*	*	.
Wick	1014.6	+7	WNW	2	od.	44	97	9	800	St	10	-	10	.
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1020.2	+8	WNW	3	0	48	97	7	4000	CuNb	10	-	10	*
Renfrew	1017.6	+6	W	3	c	48	85	8	2500	StCu	8	.	8	*
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1018.0	+5	S	1	c	44	85	8	2500	~~StCu~~ Fr.St	6	.	6	*
Tynemouth	1017.5	+4	WSW	2	b	48	97	7	-	.	.	.	0	*
Blacksod Point ...	1021.8	+7	W	1	bc	47	92	6	-	Cu	5	.	5	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1022.1	+7	WSW	2	bc	45	85	8	2500	StCu	4	aSc.	6	*
Holyhead	1019.8	+3	NW	4	0	*	*	8	1500	St.Cu	9	.	9	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1018.2	+4	SW	1	b	42	97	7	.	-	.	A St	1	*
Spurn Head	1018.9	+3	WNW	3	c	55	55	9	7250	St.Cu	8	.	8	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1018.8	+4	W	2	o/r	51	85	5	1500	St.	9	A.St	10	*
Gorleston	1018.3	+3	W	2	c	50	92	7	7250	Nb	4	A.Cu	7	*
Pulham	1018.9	+2	.	0	b	48	92	7	4000	St.Cu	3	.	3	*
Felixstowe	1019.6	+2	SW	2	c-	52	85	8	4000	StCu	4	A Cu	8	*
Valencia (Cahirciveen)	1024.4	+4	NNW	3	b	57	.	7	-	St	2	-	2	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Anu's H.)	1020.4	+3	NW	2	0	50	92	9	450	St	10	-	10	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (KEW OBS.)	1019.0	+2	.	.	.	54	.	.	.	.	.	.	.	*
Croydon	1019.7	+2	SW	2	or.	50	92	8	2800	St.	6	A St	10	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1019	+2	W	1	b	46	92	8	4000	St.Cu	1	-	1	*
Scilly (St. Mary's) ...	1022.5	+4	N	2	b	51	92	9	4000	Cu Nb	3	-	3	*
Falmouth	1020.3	+2	NW	3	b	47	92	8	-	StCu	1	-	1	*
Plymouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1018.0	+2	WSW	4	cR	55	92	7	1500	StCu	7	-	7	*
Calshot	1019.8	+3	WSW	3	orr	52	97	8	800	Nb	10	-	10	*
Dungeness	1019.1	+2	W	2	bc-	50	97	9	2500	Cu	6	-	6	*
Jersey (Guernsey 1h.)	1019.5	+3	W	3	c	50	97	8	4000	Nb	7	-	7	*

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	Sea. 0-9
Lerwick	1019.2	+6	W	2	bc	44	85	7	4000	Cu Nb	2	A Cu	5	1
Stornoway	1021.8	+4	SW	2	c-	48	75	7	4000	St.Cu.	8	-	8	0
Wick	1021.1	+7	NW	2	bc/r	48	75	9	4000	Cu	4	.	4	0
Castlebay	1023.5	+5	W	3 4	o	48	65	8	5750	Cu	2	A.St	10	2
Nairn	1022.5	.	W	1	bc§	49	*	*	*	*	*	*	.	1
Aberdeen	1022.6	+5	WNW	3	b	49	75	8	2500	Cu	2	-	2	0
Malin Head	1024.9	+5	W	2	0	48	85	9	7250	StCu	7	aCu	9	1
Renfrew	1023.2	+6	WNW	3	b	49	48	8	2800	StCu	2	A.St	3	.
Leith	1022.7	+7	-	0	0	50	85	7	-	StCu	9	-	9	4
Eskdalemuir	1023.2	+6	-	0	c+	45	85	8	4000	StCu	8	-	8	.
Tynemouth	1022.1	+4	W	1	bc+	48	85	7	-	-	-	A.Cu	4	0
Blacksod Point ...	1025.6	+5	-	0	b	49	92	8	-	-	-	A Cu	3	0
Donaghadee	1024.4	+4	WNW	2	bc-	48	75	8	-	-	-	Ci Cu	4	0
Birr Castle	1026.6	.	NW	1	c-	43	92	7	4000	Cu	5	Ci Cu	7	.
Baldonnell	1026.2	+8	W	2	bc	48	85	8	2500	StCu	3	A.Cu	86	.
Holyhead	1024.6	+5	NNW	4	b	51	85	7	1500	Cu	3	-	3	4
Liverpool (Bidston) ...	1023.8	+4	NW	3	bc	51	75	8	-	Cu	2	A Cu	5	4
Manchester (Alex.Pk.)	1023.3	+7	WNW	2	b	51	85	5	2500	StCu	2	-	2	.
Howden	1022.6	+4	NE	1	b	50	92	7	5750	StCu	1	A Cu	2	.
Spurn Head	1022.6	+4	W	3	c	52	85	7	4000	StCu	7	.	7	2
Nottingham	1022.3	.	NW	2	b	54	85	5	4000	Cu	1	A.Cu	2	.
Cranwell	1023.0	+5	NNW	3	0	47	92	8	2500	St.	9	.	9	.
Gorleston	1021.0	+4	NW	2	bc-	55	85	7	-	-	.	A.Cu	5	0
Pulham	1021.7	+3	-	0	c	55	85	8	7250	St.Cu	8	-	8	.
Felixstowe	1021.8	+2	NNW	2	c-	55	75	8	4000	StCu	7	A Cu	8	2
Valencia (Cahirciveen)	1027.7	+6	NNE	1	c+	49	85	9	2500	Cu	2	A Cu	7	1
Roches Point	1026.8	+7	NW	1	b	47	85	8	-	-	.	-	6	0
Pembroke (St. Anu's H.)	1024.9	+4	NW	3	bc-	51	85	8	800	St.	6	.	6	4
Ross-on-Wye	1023.4	+4	NW	2	bc	52	75	9	4000	Cu	2	A.Cu	4	.
Benson	1022.8	+5	-	0	c-	49	92	7	-	StCu	8	-	8	.
S. Farnborough ...	1022.1	+5	WNW	2	b	53	85	9	4000	Cu	3	-	3	.
London (KEW OBS.)	1022.3	+4	-	0	b	54	75	6	4000	Cu	1	A.Cu	3	.
Croydon	1022.5	+4	WNW	1	bc	54	75	8	2500	Cu	4	-	4	.
Clacton-on-Sea ...	1021.6	+4	NW	3	c+	54	85	7	7250	StCu	7	-	7	0
Shoeburyness	1022.1	+3	ESE	1	c-	56	75	7	4000	StCu	7	-	7	.
Grain	1022.1	+3	-	0	bc-	55	85	7	4000	Cu	2	A.Cu	6	0
Lympne	1021.6	+4	NW	3	c-	52	92	8	5750	StCu	8	.	8	.
Scilly (St. Mary's) ...	1023.9	+3	NE	1	bc	55	85	8	4000	Cu	6	-	6	.
Falmouth	1023.7	+4	N	3	b	56	75	8	4000	Cu	2	-	2	.
Plymouth	1023.3	+4	WNW	1	b	?	85	8	2500	Cu Nb	2	-	2	3
Portland Bill	1021.9	+4	WSW	3	b	55	92	8	-	-	-	-	0	0
Calshot	1022.6	+6	W	3	fb-	~~52~~	97	7	800	St.	1	-	1	0
Dungeness	1021.8	+2	N	2	bc	54	92	7	2500	Cu	6	-	6	2
Jersey (Guernsey 1h.)	1022.2	+2	W	3	bc/r	54	85	8	4000	StCu	4	-	4	0

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night. °F.	Rainfall.† Night 17h.-9h. 30th mm.	Rainfall.† Day 9h.-17h. 31st mm.	Sunshine. Sunrise to 17h. 31st hr.	Sunshine. Sunrise to Sunset. 30th hr.
Banff	bc c	cbr bc	59	42	4	2	3.6	6.5
Montrose	bc	bcp	60	45	4	2	9.1	1.4
Llandudno	cbc	bcc	58	49	1	-	10.2	4.8
Colwyn Bay ...	b	b	59	49	2	-	8.3	7.4
Rhyl...	bcc	cbc	58	49	6	0.4	7.3	3.1
Southport	cbcbc	cobcb	60	50	1	-	7.2	4.3
Blackpool	oqp	bc	59	51	3	0.3	4.0	3.5
Harrogate	bc b	b.bc	59	46	1 ?	-	8.9	3.3
Skegness	bc	bc	66	51	0.1	-	11.3	3.4
Aberystwyth ...	r c b	b	57	52	3	-	10.0	1.5
Bath	b.bcco	boc	62	50	1	3	2.8	7.4
Leamington Spa ...	b.bc	bcc	68	54	0.2	-	10.6	0.1
Lowestoft	bcq	cq	65	55	-	-	10.7	1.8
Felixstowe	cbc	bc co	67	54	-	-	9.7	2.6
Paignton	bc oq	o	59	50	1	-	3.0	5.7
Ilfracombe	oc bc	bcc.	58	51	~~4~~	-	~~5~~ 98	5.9
Bude	c	c bc bc	61	51	1	-	7.5	6.2
Penzance	c bc	bc	61	50	0.6	-	7.0	6.0
Torquay	or bc	co	59	51	0.6	trace	3.7	5.8
Weymouth	c	co	62	52	-	-	5.8	6.2
Bournemouth ...	b bc	co	59	51	-	-	5.5	6.2 ~~5.8~~
Portsmouth (S'thsea)	b	o	63	53	0.2	-	6.8	1.6
Worthing	b.bc	bc o	61	54	0.3	-	8.2	1.6
Brighton	bc	bc or	60	53	0.5	-	7.6	1.4
Eastbourne	bc.c	c or o	61	54	0.4	0.1	5.6	1.4
Hastings	c b bc	b.bc op	61	54	0.4	0.2	4.2	0.0
Folkestone	c bc	p.c.	63	50	-	trace	6.0	0.0
Tunbridge Wells ...	b	bc cop	61	51	1	-	8.4	2.6
Ramsgate	bc	bc	62	44	0.2	-	8.7	1.2
Margate	b bc	bc	66	53	-	-	7.3	1.2
Deal	bc b	bcc	63	53	1	-	~~5.6~~	1.4

* 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.31742 Thursday, 2nd JUNE 1921. Page 1.

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	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea 0-9
Lerwick	1023.4	+3	WSW	4	bc-	48	75	8	5750	Cu	2	A.Cu	6	*
Stornoway	1024.0	+2	WSW	6	o+	52	65	7	450	St	10	-	10	*
Wick	1023.9	+2	SW	3	bc+	52	85	8	5750	Cu	6	-	6	*
Castlebay	1026.4	+3	SW	4	o	50	75	7	5750	St	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1026.4	+4	SSE	3	b-	56	75	8	2500	Cu	2	-	2	*
Malin Head	1027.5	+2	W	2	bc	54	85	9	-	-	-	Ci.	4	*
Renfrew	1027.1	+3	WNW	3	c+	57	55	8	4000	Cu	4	Ci.Cu	7	*
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1026.4	+2	-	0	o/r	55	65	8	4000	St.Cu	10	-	10	*
Tynemouth	1026.7	+3	N	2	bc-	52	92	8	2500	Cu.Nb	2	A.Cu	4	*
Blacksod Point	1027.1	+1	W	3	bc+	55	92	8	4000	Cu	5	A.Cu	7	*
Donaghadee	1028.2	+2	ENE	1	bc+	52	65	8	4000	Cu	2	Ci.Cu	6	*
Birr Castle	1028.7	*	NW	1	c	56	65	8	-	-	0	A.Cu	7	*
Baldonnell	1028.8	+2	-	0	o	57	55	8	4000	St.Cu	8	A.Cu	10	*
Holyhead	1028.7	+4	NNW	4	b-	57	75	8	2500	Cu	2	A.St	3	*
Liverpool (Bidston)	1028.0	+2	SW	3	b	55	65	9	-	Cu	1	-	1	*
Manchester (Alex.Pk.)	1027.3	+4	NNW	3	bc	59	55	8	2500	St.Cu	5	-	5	*
Howden	1025.6	+2	N'W	2	c-	62	67	7	2500	Cu	8	-	8	*
Spurn Head	1026.6	+2	NE	3	b-	59	65	9	-	-	-	Ci.Cu	2	*
Nottingham	1026.0	*	E	1	c+	62	65	6	2500	Cu.Nb	3	A.Cu	8	*
Cranwell	1026.0	+3	NW'N	1	o	61	65	8	2500	St.Cu	10	-	10	*
Gorleston	1024.2	+2	NE	4	b	60	85	7	-	-	-	Ci	3	*
Pulham	1024.8	+2	NE	2	o	62	65	8	2500	St.Cu	9	-	9	*
Felixstowe	1025.0	+2	ESE	2	bc	62	75	8	4000	Cu	2	A.Cu	4	*
Valencia (Cahirciveen)	1030.4	+3	NW	3	o+	52	65	9	2500	St.Cu	4	A.St	10	*
Roches Point	1029.0	+2	S	2	o+	56	85	8	4000	Cu	8	Ci.St	10	*
Pembroke (St. Ann's H.)	1028.3	+2	NNE	4	bc-	57	85	8	4000	Cu	2	Ci.Cu	4	*
Ross-on-Wye	1025.8	+2	NNW	3	c	63	55	9	4000	Cu	8	-	8	*
Benson	1024.9	+2	N	3	c	64	65	8	-	Cu	7	-	7	*
S. Farnborough	1024.5	+1	N	3	c	65	55	8	4000	Cu	7	-	7	*
London (Kew Obs.)	1024.6	+2	NNE	2	b	64	45	8	5750	Cu	2	A.Cu	3	*
Croydon	1024.6	+2	NNE	2	c	63	55	7	4000	Cu	8	-	8	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1024.6	+3	SE	2	b-	64	65	7	2500	Cu	1	A.Cu	3	*
Grain	1024.6	+1	E'S	1	bc-	64	65	8	4000	St.Cu	4	-	4	*
Lympne	1024.4	+2	SE	1	o	59	75	8	2500	St.Cu	9	-	9	*
Scilly (St. Mary's)	1028.0	+4	N'E	3	b	56	85	8	4000	Cu	3	-	3	*
Falmouth	1026.3	+2	N	5	bc	59	65	7	-	Cu.Nb	4	A.Cu	6	*
Plymouth	1025.6	+3	-	0	opr_o	55	85	8	4000	St.Cu	10	-	10	*
Portland Bill	1023.9	+2	WSW	2	b	57	92	8	-	-	-	Ci.Cu	2	*
Calshot	1024.6	+2	S	3	bc	67	55	8	4000	Cu	4	-	4	*
Dungeness	1024.3	+3	S	2	b	61	75	7	2500	Cu	2	A.Cu	6	*
Jersey	1024.9	0	NNE	3	b-	61	65	8	-	-	0	A.Cu	3	*

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	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea 0-9
Lerwick	1023.8	+2	SW	4	c+	49	75	8	5750	Cu.Nb	3	A.Cu	7	3
Stornoway	1024.8	+2	WSW	6	o	52	85	7	450	St	10	*	10	4
Wick	1025.7	+1	SSW	3	c	50	92	8	5750	St.Cu	8	-	8	0
Castlebay	1027.4	+1	SW	4	o	51	85	6	5750	St	10	-	10	4
Nairn	1026.2	*	W	3	c	57	*	*	*	*	*	*	*	*
Aberdeen	1027.4	+1	S	4	bc+	52	85	8	5750	St.Cu	6	-	6	6
Malin Head	1028.0	+1	W	2	o	52	97	8	-	-	-	A.Ci.	9	0
Renfrew	1029.3	+3	WSW	3	o+	52	65	8	4000	St	9	-	9	*
Leith	1028.1	*	NW	2	bc	56	55	8	5750	St.Cu	6	-,	6	*
Eskdalemuir	1027.8	+2	WNW	4	bc-	57	55	8	5750	St.Cu	3	A.Cu	6	*
Tynemouth	1028.7	+3	NNE	2	b	55	92	8	-	-	-	A.Cu	3	0
Blacksod Point	1028.8	0	SW	2	o	54	92	7	450	St	10	-	10	1
Donaghadee	1030.8	+3	-	0	o+	52	65	8	4000	St.Cu	10	-	10	0
Birr Castle	1030.0	*	NW	1	o+	56	65	7	2500	St.Cu	9	-	9	*
Baldonnell	1030.3	+2	NW'W	1	ov	55	65	69	4000	St.Cu	8	A.Cu	10	*
Holyhead	1030.1	+2	NW	2	bv	55	75	9	-	-	0	A.St	1	1
Liverpool (Bidston)	1029.4	+2	WNW	3	b	55	55	9	-	-	0	-	0	4
Manchester (Alex.Pk.)	1028.6	+2	NW	3	b	57	65	8	2500	Cu	1	-	1	*
Howden	1027.8	+2	E'N	3	bc-	58	85	9	2500	Cu	3	A.St	4	*
Spurn Head	1028.6	+2	NE	2	b	55	85	8	↓	-	0	-	0	1
Nottingham	1027.2	*	NNW	1	o	62	65	6	-	-	0	A.St	9	*
Cranwell	1027.4	+2	ENE	3	c-	60	65	8	4000	St.Cu	7	-	7	*
Gorleston	1026.3	+1	NNE	4	b-	57	85	8	-	-	0	-	0	0
Pulham	1026.7	+3	NE	2	b-	60	65	8	-	-	0	-	0	*
Felixstowe	1026.5	+2	ENE	4	b	60	75	8	-	-	0	-	0	1
Valencia (Cahirciveen)	1031.5	+1	NW	2	c-	53	65	9	4000	Cu	3	A.Cu	7	0
Roches Point	1030.3	+1	SW	1	o	54	85	8	4000	St.Cu	3	A.Cu	10	0
Pembroke (St. Ann's H.)	1029.1	+1	NE	4	b-	55	85	8	-	*	0	-	0	2
Ross-on-Wye	1026.6	+1	NE	3	b-	61	55	8	5750	St.Cu	1	-	1	*
Benson	1026.2	+1	NE	3	b-	65	55	9	*	Cu	1	-	1	*
S. Farnborough	1025.5	+1	N	3	b-	64	55	8	4000	St.Cu	2	-	2	*
London (Kew Obs.)	1025.8	+1	N	3	b	66	55	8	5750	Cu	2	A.Cu	3	*
Croydon	1025.5	+1	NNE	3	bc-	64	55	8	4000	Cu	5	-	5	*
Clacton-on-Sea	1026.3	+3	ENE	3	b	60	85	7	4000	Cu	3	-	3	0
Shoeburyness	1026.4	+2	ESE	3	b	60	75	7	-	-	0	-	0	*
Grain	1026.4	+2	E'N	3	b-	60	85	8	4000	Cu	1	-	1	3
Lympne	1025.2	0	NE'N	4	b	60	65	8	-	-	0	-	0	*
Scilly (St. Mary's)	1027.9	+1	NNE	4	b	55	85	8	4000	Cu	2	-	2	4
Falmouth	1027.5	+2	N	4	b	57	75	8	-	Cu	1	-	1	*
Plymouth	1026.4	+1	SSW	2	c	58	75	9	1500	Cu.Nb	7	-	7	*
Portland Bill	1025.0	+2	WSW	2	b	58	92	8	*	-	0	-	0	0
Calshot	1025.7	+1	SW'W	3	bc	62	65	8	4000	Cu.Nb	4	-	4	0
Dungeness	1025.0	+1	ENE	3	b	60	75	9	-	-	0	-	0	3
Jersey	1024.9	0	N	3	c+	59	65	8	4000	St.Cu	8	-	8	0

LONDON OBSERVATIONS. (Weather, Temperature, Rainfall: 24 Hours ended 0900 G.M.T. 2nd. 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 Day mm	Rainfall Night mm	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. %
Kew	bzbcby	bzybczy	bczbcovob	*	*	41	-	-	11.3	*	*
Croydon (24 hours ended 0700)	bcc	cbcy	bcbr.b	*	*	40	-	-	*	*	*
Greenwich (Royal Obsy.)	c	c	cb.b	71	47	37	-	-	8.9	46	53
City (Bunhill Row)	*	*	*	*	*	*	*	*	8.4	*	*
Westminster (St. James' Pk.)	*	*	*	70	50	46	-	-	8.3	46	52
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*	10.0	*	*
Camden Sq. (Brit. Rainfall)	bc.c	bc	*	73	48	44	-	-	*	47	52
Kensington Palace	c.bc	c.bc	*	69	49	45	-	-	*	48 (8h)	49
Hampstead Observatory	bc	c	c.b	65	47	42	-	-	?	*	55

ATMOSPHERIC POLLUTION. Lbs. of Solid impurity per million cubic yards.

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

South Kensington			
Max.	Time.	Min.	Time.
0.2 0.4	1700 31st 0700 to 0900 1st	<0.2	0100 to 0300 1st

Kew Observatory			
Max.	Time.	Min.	Time.
<½ from 1600 31st to 1600 1st			

SOLAR RADIATION. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total 2007 joules

Average Rate 34.3 Milliwatts.

Maximum Rate 89 Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 1st 21 h. 30 m. to 2nd 2 h. 30 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	5.0	5.0	100
δ Ursae Minoris	5.0	5.0	100

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

2nd & 3rd JUNE 1921.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.37 3.36	11.51 11.51	8.5 8.6
Greenwich	3.50 3.49	11.58 11.58	8.6 8.7
Wick	3.16 3.15	12.10 12.10	9.4 9.6
Valencia	4.28 4.27	12.39 12.39	8.50 8.51

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.
z dust haze; the turbid atmosphere of dry weather.

With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r = fair weather after rain; ! = intermittent; – = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail"; bc = cloud 0-5; co = cloud 6-10.

Capital letters indicate intensity, 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.

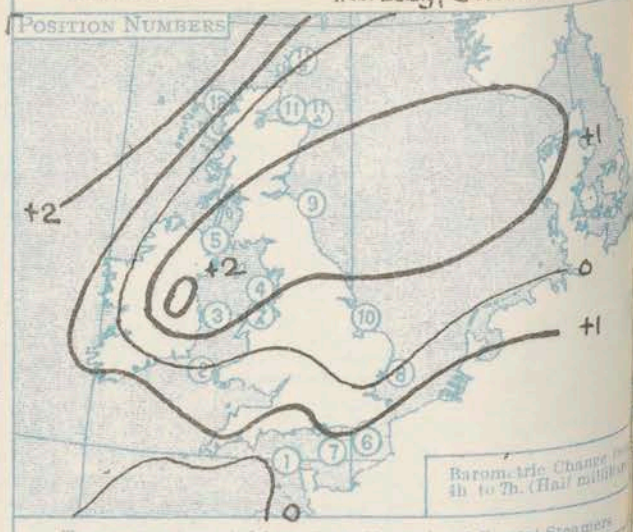
Beaufort No.	Statute miles per hour.	Metres per second.
0	Less than 1.	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

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

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 1st	13h.-18h. 1st	18h. 1st to 1h. 2nd	1h.-7h. 2nd	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h.	Night. 18h.-7h.	Precipitation began.	SUN. Hours.
Lerwick	b or bc	c	p	oo	51	47	•	0.2	trace	-0130	*
Stornoway	c	oo	c	oo	53	50	-	-	-	-	1.7
Wick	c	c	ir	oo	54	49	•	-	0.2	-2200	*
Castlebay	oo	oo	oo		51	50	•	-	-	-	4.0
Nairn	bcv	bccg	cg		62	47	•	-	-	*	4.6 ~~6.7~~
Aberdeen	c	b or bc	b or bc		56	46	34	-	-	-	5.4
Malin Head	b or bc	c	b or bc	c	54	48	•	—	—	—	5.1
Renfrew	b or bc	oo	c	c	58	43	33	-	-	-	9.4
Leith	*	c	b or bc		61	46	42	-	-	-	*
Eskdalemuir	oi oo	c	bc bc	b or bc	58	30	25	t	-	1100	1.6
Tynemouth	b or bc	b or bc	b or bc 1m	b or bc 1m	59	44	•	-	-	-	*
Blacksod Point ...	b or bc	c	c	c	55	46	•	-	trace	-2400	*
Donaghadee	bc	c	bc 1m.		55	45	•	-	-	-	*
Birr Castle	c	oo	bc		57	40	31	-	-	-	4.2
Baldonnell	oo	oo	c	c	?	45	33	-	-	-	1.3
Holyhead	b or bc	b or bc	b or bc	b or bc	58	40	27	-	-	-	14.9
Liverpool (Bidston) ...	b or bc	b or bc	b or bc		57	46	35	-	-	-	13.2
Manchester (Alex. Pk.)	c	b or bc	b or bc		62	30	30	-	-	-	*
Howden	oo	c	b or bc	b or bc	~~26~~ 65	35	27	-	-	-	10.1
Spurn Head	c	b or bc	b or bc	bf b	55	48	•	-	-	-	*
Nottingham	c	c	b or bc 1m.		65	38	35	-	-	-	4.8
Cranwell	c	c	b or bc	f or m	63	42	32	-	-	-	2.5
Gorleston	b or bc	b or bc	b or bc	b or bc	61	51	43	-	-	-	14.0
Pulham	c	b or bc	b or bc	b or bc	65	43	37	-	-	-	7.5
Felixstowe	b or bc	b or bc	b or bc	b or bc	64	45	*	-	-	-	10.1
Valencia (Cahirciveen)	c	c	b or bc	b or bc	54	44	40	-	-	-	3.7
Roches Point	c	oo	b or bc		55	45	•	-	-	-	*
Pembroke (St. Ann's H.)	c	b or bc	b or bc	b or bc	58	47	•	-	-	-	15.1
Ross-on-Wye	cbcv	covcb	b.	bw	67	40	31	-	-	-	9.4
Benson...	c	b or bc	b or bc		68	38	30	-	-	-	*
S. Farnborough ...	c	c	b or bc		68	46	41	-	-	-	9.9 ~~3.5~~
London (Kew Obs.)	bzbcby	bzybczy	bzy.bc.cou.ob		67	47	41	-	-	-	11.3
Croydon	bcc	cbcy	bc.bw	b or bc	68	47	40	-	-	-	*
Clacton-on-Sea ...	*	bc	b.bc		63	47	45	-	-	-	11.0
Shoeburyness	b or bc	b or bc	b or bc		65	45	41	•	-	•	11.4
Grain	c	b or bc	b or bc		65	48	45	-	-	-	11.3
Lympne	co	cbcb	b.	b.bc	64	50	42	-	-	-	10.4
Scilly (St. Mary's) ...	p	b or bc	b or bc	b or bc	57	51	•	3	-	-	11.5
Falmouth	c	c	b	b	61	46	43	0.3	-	0900	10.7
Plymouth	b	c	b or bc		63	51	?	0.6	-	1430	9.1
Portland Bill	b or bc	b or bc	b or bc	b or bc	59	46	•	-	-	-	*
Calshot	b or bc	b or bc	b or bc	b or bc	68	51	45	-	-	-	10.2
Dungeness	c	b or bc	b or bc	b or bc	62	52	•	-	-	-	*
Jersey	c	c	b or bc	coc	62	54	•	-	-	-	9.5

ISALLOBARS. Thursday, June 2nd. 1921



Temperature reported from Cross Channel and Coastal Steamers

Position Number	10	3	8	4A
Date	1st	1st	1st	2nd
Time G.M.T.	0700	1000	1009	0420
Sea °F	54	50	55	52
Air °F	58	50	60	49

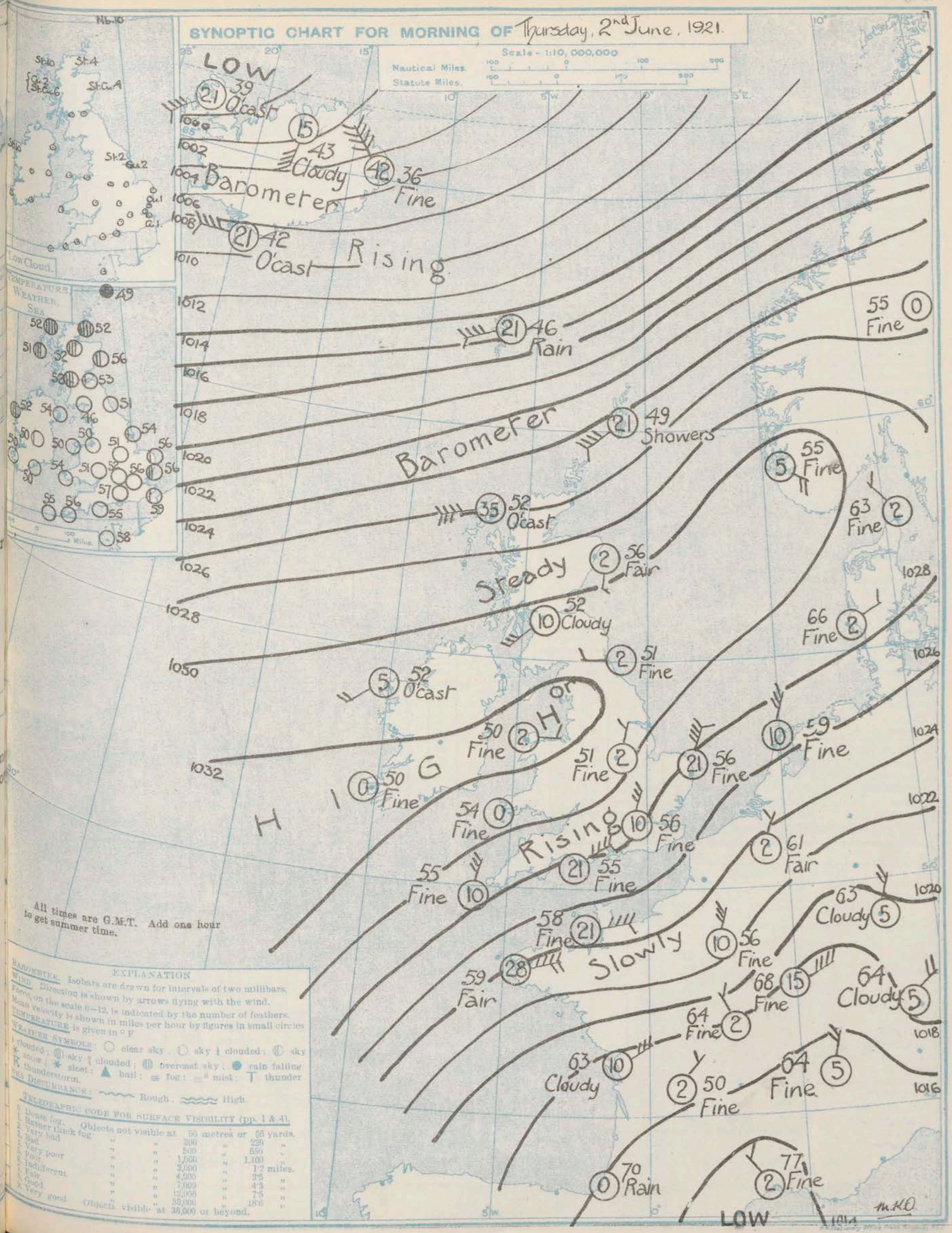
GENERAL INFERENCE.

An anticyclone continues to extend over the British Isles from the southwestward, and fair dry weather seems probable for some days.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Thursday 2nd June 1921	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind between E. and N.E., light to moderate or fresh, strong locally on Coast; fine. Visibility good. Moderate or rather high temperature.	Continuing fine generally for some days.
4. W. Midlands 5. S.W. England 6. South Wales	Wind E. or N.E., light or moderate; fine, visibility good. Moderate or rather high temperature.	
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind variable or North-Easterly, light; fine, Visibility fair or good. Rather warmer during day except on N.E. Coast.	
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	Wind mainly S.W., light or moderate. fresh in the far North; mainly fair. Visibility fair or good. Moderate temperature.	
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind light, variable; fine. Visibility fair or good. Rather high day temperature inland.	

R.S.

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


SYNOPTIC CHART FOR MORNING OF Thursday, 2nd June, 1921.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
LOW
Barometer Rising
Barometer Steady
HIGH or Rising Slowly
LOW
Low Cloud.
TEMPERATURE
WEATHER.
SEA
All times are G.M.T. Add one hour to get summer time.
EXPLANATION
BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Direction is shown by arrows flying with the wind. Force, on the scale 0–12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in ° F.
WEATHER SYMBOLS: clear sky; sky ¼ clouded; sky ½ clouded; sky ¾ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
SEA DISTURBANCE: Rough; High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY (pp. 1 & 4).
0 Dense fog. Objects not visible at 50 metres or 55 yards.
1 Rather thick fog " " 200 " 220 "
2 Very bad " " 500 " 550 "
3 Bad " " 1,000 " 1,100 "
4 Very poor " " 2,000 " 1·2 miles.
5 Poor " " 4,000 " 2·5 "
6 Indifferent " " 7,000 " 4·3 "
7 Fair " " 12,000 " 7·5 "
8 Good " " 20,000 " 12·5 "
9 Very good " " 30,000 " 18·6 "
Objects visible at 30,000 or beyond.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION.....THURSDAY 2nd JUNE.....1921. No. 153

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	1024.3	-1	SW	5	0	48	92	6	5750	Nb	6	A.St.	10	*
Stornoway	1026.4	0	SW	4	0-	*	*	6	-	CuNb	2	A.Cu	9	*
Wick	1025.7	0	SW	3	0	50	92	9	5750	St.Cu	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1028.9	0	SSW	2	C+	50	97	8	-	-	0	asc.	7	*
Renfrew	1030.6	+1	-	0	C	47	85	8	2500	St.Cu	8	-	8	*
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1031.9	+1	-	0	b	35	92	8	-	-	-	A.Cu	3.	*
Tynemouth	1031.3	+1	W	2	b	47	97	7	1500	St.	2	-	2	*
Blacksod Point ...	1029.5	+1	WSW	1	o/r	50	92	5	-	-	-	Ci.St.	10	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1031.9	+1	-	0	C	48	45	8	4000	St.Cu	2	A.St.	7	*
Holyhead	1031.2	+1	-	0	b	*	97	8	-	-	-	-	0	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1031.3	+3	-	0	b	39	97	6	2500	St.	3	-	3	*
Spurn Head	1030.8	+1	ENE	3	b	52	45	9	-	-	-	-	0	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1030.8	+1	NNW	1	b	42	97	8	-	-	-	-	0	*
Gorleston	1028.1	0	NE	4	b	54	92	8	-	-	-	-	0	*
Pulham	1029.0	+2	-	0	b	44	97	8	-	-	-	-	0	*
Felixstowe	1028.6	+1	NNE	3	b	49	97	8	-	-	-	-	0	*
Valencia (Cahirciveen)	1032.4	0	SW	2	bc	48	*	8	-	-	-	Ci.St.	5	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1030.9	+1	NE	3	b	48	92	9	-	-	-	-	0	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obs.)..	1029.0	+1	*	*	*	53	*	*	*	*	*	*	*	*
Croydon	1028.9	+1	NE	2	b	48	92	6	-	-	-	-	0	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1026.7	+2	NE	4	b	51	92	8	-	-	-	-	0	*
Scilly (St. Mary's) ...	1029.7	0	NE	3	b	52	85	8	-	-	-	-	0	*
Falmouth	1028.9	0	N	4	b	50	85	8	-	-	-	-	0	*
Plymouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1027.9	+2	NE	5	b	55	92	8	-	-	-	-	0	*
Calshot	1028.4	+2	N	3	b	54	85	8	-	St.	1	-	1	*
Dungeness	1027.2	+1	ENE	4	b	55	92	9	-	-	-	-	0	*
Jersey (Guernsey 1h.)	1026.1	0	NE	4	bc+	55	85	8	5750	CuNb	6	-	6	*

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	1024.7	0	SW	5	obr.	49	92	6	-	Nb	10	-	10	4
Stornoway	1025.5	+2	WSW	7	0	52	75	7	450	St.	10	-	10	5
Wick	1025.9	0	SSW	3	0-	52	85	9	1500	St	4	A.St	9	0
Castlebay	1028.5	-1	SW	4	c-	51	85	7	7250	St.Cu	8	-	8	4
Nairn	1026.9	*	WSW	3	cg	52	*	*	*	*	*	*	*	2
Aberdeen	1028.2	+1	SSW	1	bc	56	75	8	5750	St.Cu	4	-	4	0
Malin Head	1029.8	0	SSW	2	C+	50	97	8	-	-	0	asc.	8	0
Renfrew	1030.9	+1	SW	3	c	52	75	7	-	-	-	acc. ~~A.St.~~	7	*
Leith	1030.3	+1	SW	2	b	53	65	7	-	-	-	Ci.St.	3	4
Eskdalemuir	1031.8	+1	-	0	b	46	85	8	-	-	-	-	0	*
Tynemouth	1031.6	+1	W	1	b	51	85	6	-	-	-	-	0	0
Blacksod Point ...	1030.6	+1	SW	2	o	52	92	8	450	St.	10	-	10	1
Donaghadee	1031.3	+1	-	0	b	54	75	8	-	-	-	-	0	0
Birr Castle	1031.9	*	-	0	b	50	92	8	-	-	-	Ci.Cu	3	*
Baldonnell	1032.1	+1 ~~-2~~	W	1	bc+	50	85	8	-	-	-	A.Cu	6	*
Holyhead	1032.1	+1	E	1	b	50	85	8	-	-	-	A.St.	1	0
Liverpool (Bidston) ...	1032.2	0	WNW	2	b	50	85	9	-	-	-	-	0	1
Manchester (Alex.Pk.)	1031.5	0	SSE	1	b	46	85	4	-	-	-	-	0	*
Howden	1031.5	+1	NNW	1	b	49	97	7	2500	St.	2	-	2	*
Spurn Head	1030.8	0	NE	3	b	54	75	8	4000	Cu	2	-	2	1
Nottingham	1031.3	*	NNE	1	b	51	85	5	-	-	-	-	0	*
Cranwell	1030.8	0	N	3	b	52	85	8	-	-	-	-	0	*
Gorleston	1027.9	0	NE	5	b	56	85	8	-	-	-	A.Cu	2	2
Pulham	1029.0	0	NNE	4	b	57	75	8	-	-	-	-	0	*
Felixstowe	1028.2	0	N	4	b	57	75	8	5750	Cu	1	Ci	2	2
Valencia (Cahirciveen)	1032.3	+1	-	0	b	50	85	9	-	-	-	-	0	0
Roches Point	1032.0	+1	NW	1	b	50	92	8	-	-	-	-	0	0
Pembroke (St. Ann's H.)	1031.2	0	-	0	b	54	85	8	-	-	-	-	0	1
Ross-on-Wye	1030.7	0	NNE	2	b	51	75	8	-	-	-	-	0	*
Benson...	1029.5	+1	NNE	2	b	52	85	9	-	-	-	-	0	*
S. Farnborough ...	1028.7	+1	NNE	3	b	57	65	9	-	-	-	-	0	*
London (Kew Obs.)..	1029.2	+1	NNE	3	b	56	65	8	-	-	-	-	0	*
Croydon	1028.9	0	NE	4	b	56	65	7	-	-	-	-	0	*
Clacton-on-Sea ...	1028.0	0	N	3	bc+	56	75	7	-	-	-	A.Cu	4	0
Shoeburyness	1028.6	0	NW	3	b	58	65	7	-	-	-	A.Cu	1	*
Grain	1028.4	+1	N	2	b	57	75	8	-	-	-	-	0	0
Lympne	1026.2	0	N	6	b	56	85	8	4000	Cu	1	Ci	2	*
Scilly (St. Mary's) ...	1029.0	0	NNE	3	b	55	92	8	-	-	-	-	0	4
Falmouth	1028.4	+1	N	2	b	56	75	8	-	-	-	-	0	*
Plymouth	1028.2	+1	E	2	b	58	65	8	-	-	-	-	0	3
Portland Bill	1027.4	+1	NE	5	b	55	92	8	-	-	-	-	0	0
Calshot	1028.3	0	NNE	3	b	56	75	8	-	-	-	-	0	4
Dungeness	1026.4	-1	E	4	b	59	92	9	-	-	-	A.Cu	2	3
Jersey (Guernsey 1h.)	1025.1	0	ENE	5	b	58	75	8	-	-	-	-	0	

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

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day. °F.	Temperature. Min. Night. °F.	Rainfall.† Night 17h.-9h. 31st-1st mm.	Rainfall.† Day 9h.-17h. 1st mm.	Sunshine. Sunrise to 17h. 1st hr.	Sunshine. Sunrise to Sunset. 31st hr.
Banff	c bc	bc	58	45	0.5	-	7.8	5.2
Montrose	c	bc	53	42	2	-	5.4	10.9
Llandudno	bc b	b	56	49	-	-	10.7	11.6
Colwyn Bay ...	b	b	56	48	-	-	9.5	10.5
Rhyl...	bc	b	56	48	-	-	10.4	7.8
Southport	b	b	57	49	-	-	12.3	10.0
Blackpool	bc	b	58	49	-	-	12.1	6.7
Harrogate	b.bc b	b.bc b	62	40	-	-	9.7	10.6
Skegness	o bc b	b	59	50	-	-	7.7	11.3
Aberystwyth ...	c	c	57	44	0.3	-	9.5	12.0
Bath	b bc	bc b	65	43	4	-	6.2	2.8
Leamington Spa ...	cb	cb	65	45	-	-	6.9	?
Lowestoft	b.bc	bc b	59	55	0.3	-	11.3	10.6
Felixstowe	bc	b	65	49	0.2	-	8.3	10.7
Southend	bc	bc b	67	50	-	-	10.0	9.7
Paignton	bc	bc	65	41	-	-	12.2	5.0
Ilfracombe	bc b	b	59	50	-	-	11.7	5.3
Bude	bc bc	b	61	41	-	-	10.0	11.0
Penzance	bc	bc	61	48	0.8	-	10.5	9.7
Torquay	b	by	64	45	-	-	12.2	7.3
Weymouth	c bc	cp bc	68	44	0.5	0.5	8.1	7.4
Bournemouth ...	b.bc	bc	65	43	2	-	7.5	5.5
Portsmouth (S'thsea)	*	*	69	47	-	-	11.2	6.8
Worthing	bc	b	64	49	-	-	2.2	8.2
Brighton	bc.b.	b	63	51	0.5	-	10.9	7.6
Eastbourne	bc c	bc b	64	52	0.6	-	9.0	5.6
Hastings	c bc	bc b	63	49	2	-	7.6	4.2
Folkestone	c bc	bc b	68	49	-	-	6.8	7.1
Tunbridge Wells ...	bc b	b.bc	70	49	-	-	9.4	8.4
Ramsgate	bc	bc	63	46	-	-	5.4	8.8
Margate	c bc	c bc b	61	49	-	-	5.0	7.7
Deal	bc	bc b	64	48	-	-	5.8	8.6

* 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. 21743 FRIDAY, 3rd JUNE 1921.

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	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1024·1	+1	SW	7	o/r	50	92	6	-	Nb	10	-	10	*
Stornoway	1027·8	+3	SW	6	o	52	85	7	450	St	10	-	10	*
Wick	1026·7	+1	SW	3	c-	56	85	9	800	St	7	-	7	*
Castlebay	1030·3	+2	SW	4	o/r	51	85	5	1500	St	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1028·5	0	SE	3	b	66	65	8	-	-	0	Ci	1	*
Malin Head	1031·1	+1	W	2	c	54	97	8	-	-	0	asl.	7	*
Renfrew	1031·2	0	WSW	2	c	63	45	8	-	St.Cu	3	A.St	7	*
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1030·6	0	WSW	2	bc+	62	55	8	5750	Cu	5	-	5	*
Tynemouth	1031·2	0	-	0	b	60	75	7	-	-	0	-	0	*
Blacksod Point	1031·1	+1	SW	2	bc	57	92	9	7250	St	4	-	4	*
Donaghadee	1032·0	+2	E	2	b-	58	65	8	-	-	0	A.Cu	1	*
Birr Castle	1032·0	*	WSW	1	bc+	62	75	8	4000	Cu	1	Ci.Cu	4	*
Baldonnell	1031·9	-1	E'N	1	bv	62	55	9	4000	Cu	2	A.Cu	3	*
Holyhead	1031·9	+1	NNW	4	bv	59	92	6	-	-	0	-	0	*
Liverpool (Bidston)	1031·8	0	NW	1	b	58	55	9	-	-	0	-	0	*
Manchester (Alex.Pk.)	1030·6	+2	NW	2	b	67	45	6	-	-	0	-	0	*
Howden	1030·9	0	N'E	2	bc+	66	75	8	2500	St.Cu	4	-	4	*
Spurn Head	1031·8	+1	NE	3	b	59	75	8	-	-	0	-	0	*
Nottingham	1030·4	*	E	2	b+	67	55	6	4000	Cu	1	-	1	*
Cranwell	1030·4	0	NNE	4	b	66	55	8	2500	Cu	2	-	2	*
Gorleston	1028·7	0	NE'N	5	b+	59	85	8	-	-	0	Ci.St	3	*
Pulham	1028·0	0	NE'N	4	bc+	65	55	9	-	-	0	A.Cu	6	*
Felixstowe	1028·3	0	NNE	5	bc+	66	55	8	-	-	0	Ci.St	4	*
Valencia (Cahirciveen)	1032·4	0	NW	3	b+	57	75	9	4000	Cu	2	-	2	*
Roches Point	1032·1	0	S	1	b	57	85	9	4000	Cu	1	-	1	*
Pembroke (St.Ann's H.)	1031·0	0	NE	3	b	61	85	8	-	-	0	-	0	*
Ross-on-Wye	1028·8	-1	NE	4	b	69	45	6	5750	Cu	1	-	1	*
Benson	1028·6	-1	NE	4	b	70	45	8	-	-	0	-	0	*
S. Farnborough	1027·6	-1	NNE	3	b	71	45	8	-	-	0	-	0	*
London (Kew Obs.)	1027·9	-1	NE	4	b	69	45	8	-	-	0	-	0	*
Croydon	1027·6	-1	NE'N	6	bc+	70	45	9	5750	Cu	1	A.Cu	4	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1028·4	0	NE	4	c+	68	65	7	4000	Cu	8	-	8	*
Grain	1028·3	0	ENE	4	b+	63	75	8	4000	St.Cu	7	A.St	9	*
Lympne	1028·1	0	NNE	7	b	62	65	9	-	-	0	A.St	2	*
Scilly (St. Mary's)	1028·5	0	NE'N	4	b	59	85	8	-	-	0	-	0	*
Falmouth	1028·1	0	NNE	4	b	68	55	8	-	St.Cu	1	Ci	2	*
Plymouth	1027·6	-1	E	2	b	69	45	8	-	-	0	-	0	*
Portland Bill	1026·5	-1	NE	4	b	66	92	8	-	-	0	-	0	*
Calshot	1026·9	-1	NE'N	4	b	72	55	8	-	-	0	-	0	*
Dungeness	1026·6	0	ENE	5	b	65	75	9	-	-	0	-	0	*
Jersey	1023·9	0	NE	6	b	67	65	8	-	-	0	-	0	*

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	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1026·6	+2	SW	7	o/r	49	97	4	450	St	10	-	10	6
Stornoway	1029·6	+3	SW'W	2	o	52	92	7	450	St	10	-	10	1
Wick	1028·9	+2	-	0	ov	54	85	9	5750	St.Cu	6	A.Cu	9	0
Castlebay	1031·3	+1	WSW	4	o&g	51	97	3	450	St	10	-	10	4
Nairn	1029·5	*	W	1	c	62	*	*	*	*	*	*	*	*
Aberdeen	1029·6	+2	NE'E	2	b	59	75	8	-	-	0	A.Cu	1	0
Malin Head	1031·3	0	W	2	b	55	97	8	-	-	0	Ci.St.	2	1
Renfrew	1031·9	+1	WNW	2	b	57	65	8	4000	St.Cu	1	Ci	2	*
Leith	10303	*	NW	3	b	61	65	9	-	-	0	Ci.St	2	*
Eskdalemuir	1030·3	0	NW	1	b-	64	55	8	5750	Cu	2	Ci	3	*
Tynemouth	1030·6	0	S	2	b	57	85	7	-	-	0	-	0	
Blacksod Point	1030·9	0	SW	1	bc	57	97	8	-	Cu	5	-	5	1
Donaghadee	1031·5	0	ENE	2	b	56	65	8	-	-	0	-	0	1
Birr Castle	1031·1	*	WSW	1	bc	63	65	7	-	-	0	Ci.Cu	4	*
Baldonnell	1031·2	-1	ENE	1	b	61	66	8	4000	Cu	1	-	1	*
Holyhead	1031·6	-1	N'W	4	bv	58	75	9	-	-	0	-	0	1
Liverpool (Bidston)	1030·9	0	NW	3	b	56	65	9	-	-	0	-	0	3
Manchester (Alex.Pk.)	1029·3	-1	WNW	3	b	63	65	6	4000	Cu	1	-	1	*
Howden	1030·4	0	ENE	3	b	61	75	8	-	-	0	A.St	1	*
Spurn Head	1031·6	0	NE	3	b	57	65	9	-	-	0	Ci.Cu	2	1
Nottingham	1029·5	*	E	2	b	64	55	6	-	-	0	Ci.St	1	*
Cranwell	1029·9	0	NE	4	b	62	55	9	-	-	0	Ci.St	1	*
Gorleston	1027·6	-2	NE'N	5	bc+	56	92	8	5750	Cu	1	Ci.St	5	4
Pulham	1025·3	-1	NNE	3	c-	59	65	9	-	-	0	Ci	8	*
Felixstowe	1027·7	-1	N'E	4	c	60	65	8	-	-	0	Ci	7	2
Valencia (Cahirciveen)	1031·5	-1	NNW	4	b	57	65	9	4000	Cu	1	-	1	1
Roches Point	1031·1	-1	S	1	b	56	85	8	4000	Cu	1	-	1	0
Pembroke (St.Ann's H.)	1027·1	-2	N	3	bv	58	92	9	-	-	0	-	0	1
Ross-on-Wye	1027·6	-1	ENE	5	b	67	55	7	-	-	0	-	0	*
Benson	1027·7	0	NNE	4	b+	67	45	8	-	-	0	A.Cu	1	*
S. Farnborough	1026·3	0	NNE	3	b-	67	45	8	-	-	0	-	0	*
London (Kew Obs.)	1027·2	0	NE	4	b	68	45	8	-	-	0	Ci	1	*
Croydon	1026·9	0	NE	5	bc+	67	55	9	-	-	0	Ci	4	*
Clacton-on-Sea	1027·5	-1	NNE	4	bc	64	65	7	-	-	0	A.Cu	5	0
Shoeburyness	1027·3	-1	NE	5	bc	64	75	8	4000	Cu	2	Ci	6	*
Grain	1027·2	-1	ENE	3	bc+	62	85	8	-	-	0	Ci	6	0
Lympne	1025·5	-1	N'E	5	b+	58	75	9	-	-	0	A.St	7	*
Scilly (St. Mary's)	1027·4	-1	NNE	4	b	57	85	8	-	-	0	-	0	4
Falmouth	1026·1	-1	N	4	b	64	55	8	-	-	0	-	0	*
Plymouth	1026·6	0	ENE	3	b	68	55	8	-	-	0	-	0	*
Portland Bill	1025·4	-2	NE	4	b	64	85	8	-	-	0	-	0	3
Calshot	1025·9	0	NNE	4	b	70	55	8	-	-	0	-	0	0
Dungeness	1025·6	-2	NE	5	bc+	62	92	9	-	-	0	Ci.Cu	5	5
Jersey	1022·9	-1	NE	6	b	66	65	8	-	-	0	-	0	6

LONDON OBSERVATIONS.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall.	Sunshine to Sunset hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 HOURS ENDED 0900 G.M.T. 3rd							YESTERDAY.		TO-DAY.
Kew				*	*	46	-	14·8	*	*
Croydon } 24 hours ended 0700	c.b	b.cy.b.b	c	*	*	44	-	*	*	*
	b.bc	b.bc	c.b.by.b.bc							
Greenwich (Royal Obsy.)	b	c. b.b	b.b	44	50	45	-	14·0	45	68
City (Bunhill Row)	*	*	*	*	*	*		12·5	*	*
Westminster (St. James' Pk.)	*	*	*					13·0		
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*		13·8	*	-
Camden Sq. (Brit. Rainfall)	b. bc	b	*	44	50	48	-	*	40	63
Kensington Palace	bc.c	b. bc.c	*	70	50	46	-	*	43 (9h.)	68
Hampstead Observatory	bc	bc	bc.c	70	48	45	-	14·8	*	70

ATMOSPHERIC POLLUTION. Lbs. of Solid impurity per million cubic yards.

24 Hr. ended 1600 G.M.T. 2nd

South Kensington

Max.	Time.	Min.	Time.
0·4	2000 1st to 2200 1st	0·2	0100 to 0300 2nd
0·6	0600 2nd		

Kew Observatory

Max.	Time.	Min.	Time.
< ½	from 1600 1st to 1600 2nd		

SOLAR RADIATION. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total 2459 joules

Average Rate 42·0 Milliwatts.

Maximum Rate 82 Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 2nd 21h. 30m. to 3rd 2h. 30m.

Stars.	Exposure. h.	Exposure. m.	Record. h.	Record. m.	%
Polaris	5	0	3	31	76
δ Ursae Minoris	5	0	3	22	64

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

3rd & 4th JUNE 1921.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3·36	11·91	8·6
	3·35	11·51	8·7
Greenwich	3.49	11.58	8.7
	3.48	11.58	8.8
Wick	3·15	12.10	9.6
	3·14	12.10	9·7
Valencia	4.27	12.39	8.51
	4.26	12.39	8.52

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.
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"; bc = cloud 6-5; co = cloud 6-10.

Capital letters indicate intensity, and repetition of letters continuity, thus:—
R = heavy rain.
rr = continuous moderate rain.
$r_o r_o$ = continuous light rain.

SEA DISTURBANCE.

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

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

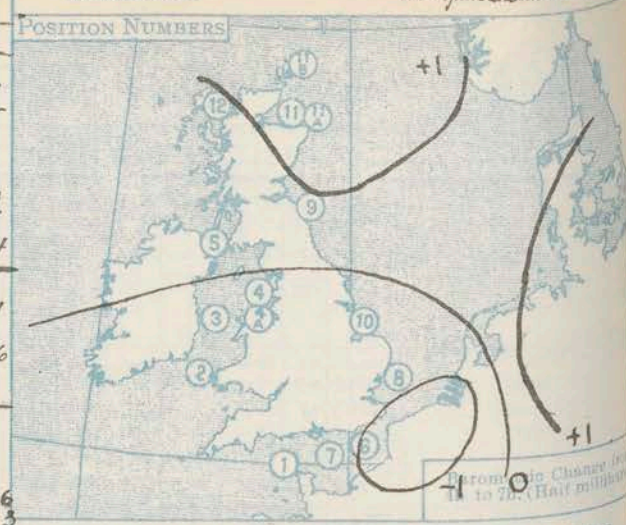
Beaufort No.	Statute miles per hour.	Metres per second.
0	Less than 1.	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·4
3	8-12	3·5- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

* 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. 2nd	13h.-18h. 2nd	18h.-1h. 2nd to 1h. 3rd	1h.-7h. 3rd	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h.	Night. 18h.-7h.	Precipitation began.	SUN Hours.
Lerwick	ir	irm	c	c	51	46	*	2	0·2	–	*
Stornoway	oo	oo	oo	oo	55	51	*	trace	–	–	0·0
Wick	c	c	c	oo	61	49	*	–	–	–	*
Castlebay	oo	b	F		51	49	*	trace	0·2	1630	0·0
Nairn	cbcq	qbcc	c. bc		66	51	*	–	–	*	6·8
Aberdeen	b or bc	b or bc	b or bc		70	48	39	–	–	–	13·4
Malin Head			b or bc	b or bc	56	48	*	—	—		6·6
Renfrew	c	b or bc	b or bc	f or m	63	42	31	–	–	–	14·1
Leith	*	b or bc	b or bc		64	46	42	–	–	–	*
Eskdalemuir	b or bc	bc by	b or bc	b or bc	65	42	36	–	–	–	14·6
Tynemouth	b or bc	b or bc	b or bc	bm	61	44	*	–	–	–	
Blacksod Point ...	b or bc	b or bc	b or bc	b or bc	?59	45	*	–	–	–	*
Donaghadee	b or bc	bv	bm		60	49	*	–	–	–	*
Birr Castle	bo	b or bc	bc	bm	55	42	34	–	–	–	13·2
Baldonnell	b or bc	b or bc		b or bc	65	39	32	–	–	–	10·6
Holyhead	b or bc	b or bc	b or bc	b or bc	60	49	43	–	–	–	15·3
Liverpool (Bidston) ...	b or bc	b or bc	b or bc		59	46	41	–	–	–	14·1
Manchester (Alex.Pk.)	b or bc	mb or bc	ff. m		68	39	38	–	–	–	*
Howden	b or bc	b or bc	f or m	b or bc	~~70~~ 67	38	26	–	–	–	14·0
Spurn Head	b or bc	b or bc	b or bc	b or bc	59	48	48	–	–	–	*
Nottingham	b or bc	b or bc	b or bc		64	54	41	–	–	–	
Cranwell	b or bc	b or bc	b or bc	c	67	41	29	–	–	–	14·9
Gorleston	b or bc	b or bc	b or bc	b or bc	60	54	52	–	–	–	13·5
Pulham	b or bc	b or bc	b or bc	b or bc	66	50	46	–	–	–	13·4
Felixstowe	b or bc	c	c	b or bc	69	50	*	–	–	–	13·1
Valencia (Cahirciveen)	b or bc	b or bc	b or bc	b or bc	54	44	39	–	–	–	15·1
Roches Point	b or bc	b or bc	b or bc		59	44	*	–	trace	–	*
Pembroke (St. Ann's H.)	b or bc	b or bc	b or bc	b or bc	63	52	*	–		–	13·1
Ross-on-Wye	b by z	b y z	b w. c		71	43	32	–	–	–	14·8
Benson...	b or bc	b or bc	oo		72	41	34	–	–	–	*
S. Farnborough ...	b or bc	b or bc	b or bc		73	48	45	–	–	–	15·0
London (Kew Obs.)	c b	b y c y b by	c		71	49	46	–	–	–	14·8
Croydon	b bc	bc c by	c. bc. by	b. bc. c. o	72	49	44	–	–	–	*
Clacton-on-Sea ...	*	b c y c	bc. c		68	52	49	–	–	–	14·3
Shoeburyness	c	c	b or bc		69	50	48	–	–	–	10·3
Grain	b or bc	b or bc	b or bc		65	51	43	–	–	–	10·4
Lympne	b or bc	b bc	b	bc. o	62	52	50	–	–	–	14·4
Scilly (St. Mary's) ...	b or bc	b or bc	b or bc	b or bc	59	52	*	–	–	–	14·5
Falmouth	b by	by b	b or bc	b	69	53	46	–	–	–	14·6
Plymouth	b or bc	b or bc	b or bc		71	54	49	–	–	–	14·8
Portland Bill	b or bc	b or bc	b or bc	b or bc	68	50	*	–	–	–	*
Calshot	b or bc	b or bc	b or bc	c	71	53	46	–		–	14·1
Dungeness	b or bc	b or bc	c	c	65	55	*	–		–	*
Jersey	b or bc	b or bc	bc	bc	69	55	*	–	–	–	14·8

ISALLOBARS. Friday June 3rd



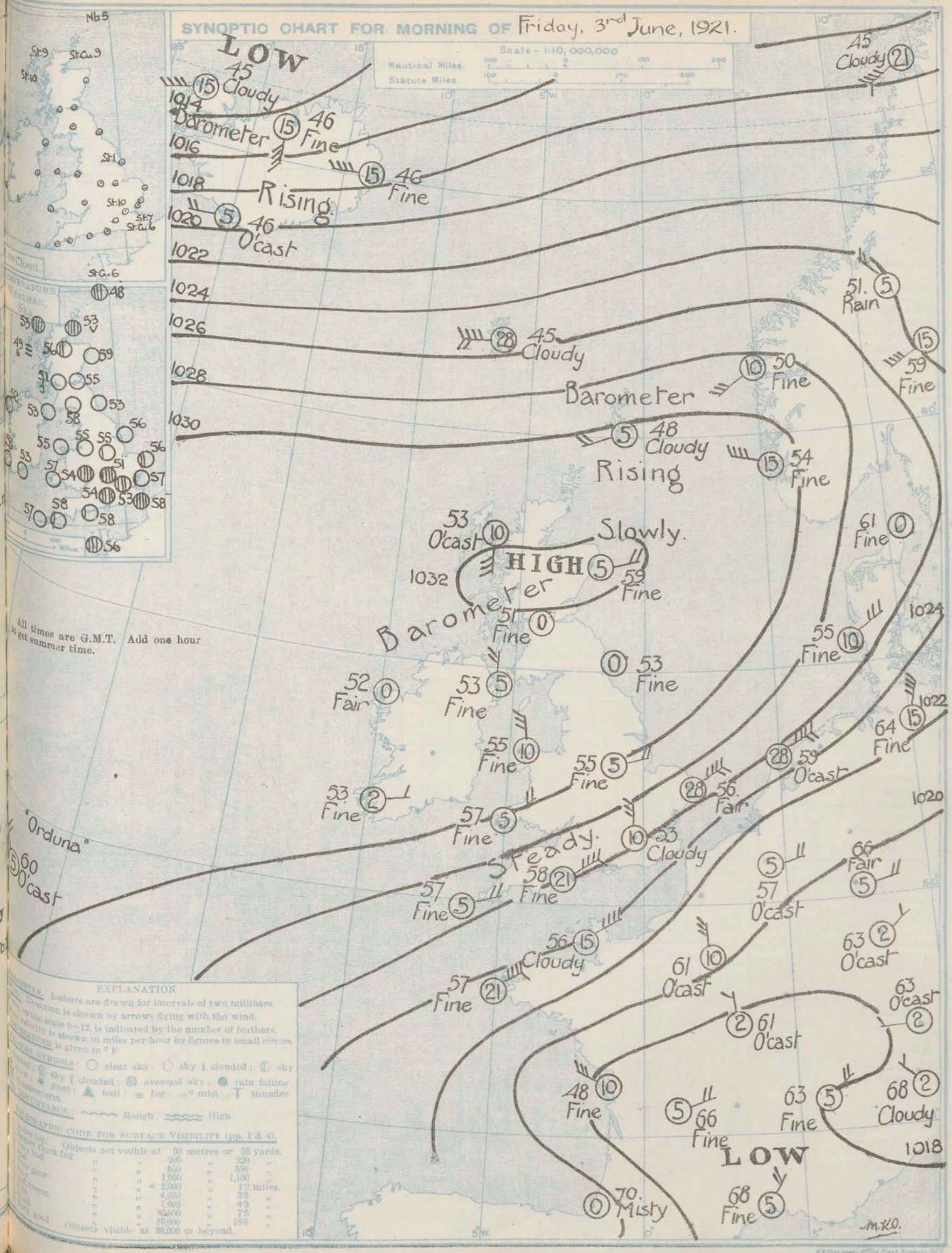
Temperature reported from Cross Channel and Coastal Steamers

Position Number.													
Date	12	3	4										
Time G.M.T.	2nd	2nd	3rd										
Sea ° F.	0600	1015	0330										
Air ° F.	50	51	54										

52 50 55 GENERAL INFERENCE.

The anticyclone is moving gradually North and will maintain fine warm weather with light winds for the next few days except in the South and South-East of England where the wind will be fresh to strong from North East and the weather will be cloudy with some showers probably improving during the week-end.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Friday June 3rd 1921.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Wind N.E., mainly moderate to fresh but strong at times locally; fair at first, becoming cloudy with some showers; visibility good; somewhat cooler temporarily.	Fine and warm with light winds except in the South and South-East of England where a temporary break in the weather is probable. ---
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 to moderate winds. Mainly from E. to N.E.; fine; visibility good; rather high temperature.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind light and indefinite; fine; visibility good apart from morning mist; rather high temperature.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Same as for 7 - 13.	


SYNOPTIC CHART FOR MORNING OF Friday, 3rd June, 1921.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
LOW
45 Cloudy
Barometer
46 Fine
Rising
46 O'cast
45 Cloudy
51. Rain
59 Fine
45 Cloudy
Barometer
50 Fine
48 Cloudy
Rising
54 Fine
53 O'cast
Slowly.
HIGH
59 Fine
Barometer
51 Fine
61 Fine
52 Fair
53 Fine
53 Fine
55 Fine
55 Fine
55 Fine
53 Fine
57 Fine
Steady.
58 Fine
57 Fine
56 Cloudy
57 Fine
"Orduna"
60 O'cast
53 Cloudy
56 Fair
59 O'cast
64 Fine
57 O'cast
66 Fair
63 O'cast
61 O'cast
61 O'cast
63 O'cast
48 Fine
66 Fine
63 Fine
68 Cloudy
LOW
70 Misty
68 Fine
1014
1016
1018
1020
1022
1024
1026
1028
1030
1032
1024
1022
1020
1018
All times are G.M.T. Add one hour to get summer time.
EXPLANATION
BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Direction is shown by arrows flying with the wind.
Force, on the scale 0–12, is indicated by the number of feathers.
Velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in ° F.
CLOUD AND WEATHER SYMBOLS: clear sky; sky ¼ clouded; sky ½ clouded; overcast sky; rain falling; sleet; hail; fog; mist; thunder; showers; drizzle; snow.
SEA APPEARANCE: Rough; High.
INTERNATIONAL CODE FOR SURFACE VISIBILITY (pp. 1 & 4).
0 Dense fog. Objects not visible at 50 metres or 55 yards.
1 Very thick fog " " 200 " 220 "
2 Thick " " 500 " 550 "
3 Very poor " " 1,000 " 1,100 "
4 Poor " " 2,000 " 1·2 miles.
5 Moderate " " 4,000 " 2·5 "
6 Good " " 7,000 " 4·3 "
7 Very good " " 20,000 " 7·5 "
8 " " " 30,000 " 18·6 "
9 Objects visible at 30,000 or beyond.
M.K.O.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION.....Friday, 3rd June.....1921. No. 154

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	1030·5	+3	WSW	2	bc+	47	97	7	-	Nb	5	-	5	*
Stornoway	1032·7	+3	SW	3	0	*	*	5	*	*	*	*	*	*
Wick	1031·1	+1	-	0	0+	51	92	9	5750	Si Cu	9	·	9	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1032·6	0	-	0	b	49	97	8	-	-	0	-	0	*
Renfrew	1031·9	0	-	0	b	45	65	5	·	*	0	A St	1	*
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1032·4	0	-	0	b	43	92	8	-	·	0	·	0	*
Tynemouth	1031·4	0	W	1	b	50	92	6	·	-	0	·	0	*
Blacksod Point ...	1031·0	0	·	0	b	45	92	7	·	·	0	·	0	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell														*
Holyhead	1030·9	0	NE	3	b	*	*	8	·	·	0	·	0	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1031·3	-1	-	0	b	39	97	6	-	·	0	A St	1	*
Spurn Head	1030·5	0	NE	2	b	49	92	8	4500	St	1	·	1	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1030·7	0	N	2	b	42	97	8	·	·	0	A St	1	*
Gorleston	1028·4	0	NE	5	b	54	92	7	·	·	0	Ci	2	*
Pulham	1028·3	-2	NNE	1	b	51	92	5	4000	St	2	·	2	*
Felixstowe	1027·0	0	N	4	c	52	92	8	·	·	0	Ci	7	*
Valencia (Cahirciveen)	1031·8	0	-	0	b	50	*	6	·	·	0	·	0	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St.Ann's H.)	1029·5	0	NE	3	bv	52	92	9	·	·	0	·	0	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obs.) ...	1030·9	0	·	·	·	·	·	·	·	·	·	·	·	·
Croydon	1028·2	-2	NE	3	b	52	95	7	·	·	0	·	0	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1025·8	0	NNE	5	b	52	92	8	·	·	0	Ci St	3 2	*
Scilly (St. Mary's) ...	1027·1	-1	NE	3	b	54	85	8	·	·	0	·	0	*
Falmouth	1027·0	-1	N	3	b	55	85	7	*	St Cu	3	·	3	*
Plymouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1026·0	+1	NE	4	b	60	85	8	·	·	0	·	0	*
Calshot	1027·3	0	NE	3	b	55	95	8	·	·	0	·	0	*
Dungeness	1025·5	-1	NNE	5	0+	55	97	7	7250	?	?	?	?	*
Jersey (Guernsey 1h.)	1026·8	+2	NE	4	b	57	85	7	·	·	0	·	0	*

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	1030·2	+2	WSW	2	c+	48	85	8	7250	Nb	5	A Cu	7	1
Stornoway	1031·6	0	S	3	0-	53	92	8	800	St	9	·	9	0
Wick	1031·4	+1	SSE	1	0v	53	92	9	5750	Si Cu	9	·	9	2
Castlebay	1032·0	0	S	2	ff0	49	92	2	450	St	10	·	10	1
Nairn	1031·9	*	·	0	bo	56	*	*	*	*	*	*	*	0
Aberdeen	1033·0	+1	ENE	2	b	59	95	8	·	·	0	·	0	1
Malin Head	1031·5	0	SW	1	c+	51	97	7	5750	SiCu	8	-	8	*
Renfrew	1031·9	0	·	0	fb+	51	85	4	·	·	0	·	0	*
Leith	1031·9	0	·	0	b	53	85	7	·	·	0	·	0	*
Eskdalemuir	1031·2	0	·	0	b	58	95	8	·	·	0	·	0	*
Tynemouth	1031·6	0	·	0	b	53	85	6	·	·	0	·	0	*
Blacksod Point ...	1030·3	0	·	0	bc	52	92	9	·	·	0	Ci Cu	4	*
Donaghadee	1031·3	0	N	2	bm	53	85	8	·	·	0	·	0	*
Birr Castle	1031·1	*	W	1	b	51	97	7	-	-	0	CiCu	1	*
Baldonnell	1031·5	0	NE	2	b	54	95	7	·	·	0	·	0	*
Holyhead	1030·3	0	N	3	b	55	92	8	·	·	0	A St	1	*
Liverpool (Bidston) ...	1030·5	0	WSW	1	b	55	95	8	·	·	0	·	0	*
Manchester (Alex.Pk.)	1030·6	0	ESE	1	bc	50	92	4	·	·	0	Ci	4	*
Howden	1031·1	+1	N	2	bc	54	85	8	2500	St	1	Ci	4	*
Spurn Head	1030·3	0	NNE	4	b	56	92	9	·	·	0	·	0	2
Nottingham	1030·0	*	ENE	2	b+	55	95	6	·	·	0	Ci	3	*
Cranwell	1029·6	0	NNE	4	c	51	92	7	·	·	0	Ci St	7	*
Gorleston	1026·5	0	NE	6	bc+	56	85	8	·	·	0	A Cu	4	*
Pulham	1027·3	0	NE	4	b	57	95	8	·	·	0	A St	3	*
Felixstowe	1025·9	-1	N	5	cv	57	95	9	·	St Cu	4	Ci Cu	8	2
Valencia (Cahirciveen)	1030·3	0	E	1	b	53	85	8	·	·	0	·	0	0
Roches Point	1030·4	0	NW	2	b	53	92	8	·	·	0	·	0	0
Pembroke (St.Ann's H.)	1028·8	0	NE	2	b	57	85	8	·	·	0	·	0	1
Ross-on-Wye	1029·4	0	N	1	0(⊕)3	54	95	8	·	·	0	Ci	9	*
Benson...	1028·2	0	NNE	3	0	51	85	7	+	St	10	·	10	*
S. Farnborough ...	1027·3	0	NNE	3	0	54	95	8	·	·	0	A St	9	*
London (Kew Obs.) ...	1027·1	-1	N	3	cy⊕	53	95	7	·	·	0	Ci St	7	*
Croydon	1027·2	0	NNE	3	0	55	95	7	·	·	0	Ci St	9	*
Clacton-on-Sea ...	1025·7	0	N	4	b	57	85	7	·	·	0	Ci	3	0
Shoeburyness	1026·1	-1	NNE	5	bc	58	95	6	·	·	0	A Cu	5	*
Grain	1025·9	0	N	4	bc	58	85	5	·	·	0	Ci	6	3
Lympne	1023·5	-1	N	5	0	57	85	7	5750	St Cu	6	A Cu	9	*
Scilly (St. Mary's) ...	1026·4	0	ENE	2	b	57	92	8	·	·	0	·	0	1
Falmouth	1026·2	0	N	3	b	58	95	7	·	·	0	Ci St	2	*
Plymouth	1025·8	0	NE	4	b	61	65	8	·	·	0	Ci	3	+
Portland Bill	1026·0	0	NE	5	b	58	85	8	·	·	0	A St	3	3
Calshot	1026·8	0	N	3	0+	55	95	8	·	·	0	Ci	9	0
Dungeness	1024·5	-1	NNE	5	0+	58	97	8	5750	St	7	Ci	9	4
Jersey (Guernsey 1h.)	1024·0	0	NE	4	bc	56	85	8	2500	St Cu	6	·	6	3

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

Stations.	Weather. Fore-noon.	Weather. After-noon.	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. Sunrise to Sunset. 1st hr.
Banff	c bc	b	66	46	-	-	7·4	5·2
Montrose	b	b	69	42	-	-	9·1	5·4
Llandudno	b	b	59	38	-	-	12·3	13·3
Colwyn Bay ...	b	b	58	38	-	-	11·2	13·3
Rhyl...	b	b	58	36	-	-	12·2	13·7
Southport	b	b	59	43	-	-	12·3	15·4
Blackpool	b	b	59	39	-	-	12·0	14·8
Harrogate	b	b	68	41	-	-	11·8	11·0
Skegness	b	bv	55	42	-	-	12·5	10·3
Aberystwyth ...	cb	b	61	40	-	-	12·7	12·5
Bath	b	b	71	43	-	-	11·8	7·4
Leamington Spa ...	bc	bc	70	41	-	-	12·5	7·6
Lowestoft	bc	bc	59	54	-	-	12·1	13·5
Felixstowe	b	bc	68	49	-	-	12·5	10·6
Southend	bc	bc	71	46	-	-	10·1	11·8
Paignton	b	b	70	49	-	-	12·0	14·2
Ilfracombe	b	b	62	51	-	-	12·2	14·2
Bude	b	b	65	45	-	-	12·4	12·1
Penzance	b	b	65	52	-	-	11·5	13·0
Torquay	b	b	71	52	-	-	12·3	14·0
Weymouth	b	b	75	48	-	-	12·2	9·1
Bournemouth ...	b	b	74	46	-	-	12·5	9·2
Portsmouth (S'thsea)	*	*	75	50	-	-	12·5	12·6
Worthing	b	b	72	51	-	-	12·4	4·2
Brighton	b	b	73	52	-	-	12·3	13·0
Eastbourne ...	b	b	71	50	-	-	12·8	11·0
Hastings	b	b	68	50	-	-	12·7	10·1
Folkestone	b	bc	67	52	-	-	12·5	9·3
Tunbridge Wells ...	b	b	70	46	-	-	12·5	11·5
Ramsgate	bc	bc	62	52	-	-	10·8	7·8
Margate	bc	b bc	59	53	-	-	8·5	7·0
Deal	bc	bc	63	52	-	-	7·4	8·2

* 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. 21,444 SATURDAY, 4th JUNE 1921. 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	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea 0-9
Lerwick	1030.9	+1	WSW	4	od_0	52	97	5	1500	Nb	10	-	10	*
Stornoway	1031.6	0	S	1	o	62	75	8	1500	St.Cu	9	-	9	*
Wick	1031.5	0	S	2	c+	55	92	9	4000	St.Cu	8	-	8	*
Castlebay	1032.3	0	-	0	ffo	51	97	3	450	St	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1032.5	-1	ESE	2	b	61	75	8	-	-	0	-	0	*
Malin Head	1031.0	0	NE	1	c+	53	97	8	-	-	0	ACu	6	*
Renfrew	~~1031.5~~ 1030.4	-3	~~NE~~ NNE	~~2~~ 3	b	69	45	5	-	-	0	-	0	*
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1029.2	-2	E	2	b-	70	55	8	7250	Cu	2	-	2	*
Tynemouth	1031.5	-1	NE	1	b/f	60	85	8	-	-	0	-	0	*
Blacksod Point	1030.0	-1	NW	2	bc	60	85	8	-	-	0	Ci.St	4	*
Donaghadee	1030.4	-1	NNE	2	b-	57	85	8	-	-	0	-	0	*
Birr Castle	1029.5	*	E	1	b	66	55	7	4000	Cu	1	-	1	*
Baldonnell	1030.1	-2	NE'N	2	b	63	65	7	5750	Cu	1	-	1	*
Holyhead	1029.0	-2	N'E	5	b	63	75	7	-	-	0	Ci.St	3	*
Liverpool (Bidston)	1028.0	-2	E'N	2	bc+	69	45	5	-	-	0	Ci	4	*
Manchester (Alex. Pk.)	~~1024.8~~ 1028.4	-3	NNE	3	bc⊕	68	45	9	-	-	0	Ci	6	*
Howden	1029.6	-2	NE	4	b	66	65	8	-	-	0	Ci	3	*
Spurn Head	1029.3	-1	N	4	b+	59	65	9	-	-	0	Ci-Cu	2	*
Nottingham	1029.0	*	ENE	4	bc+	68	45	6	-	-	0	Ci	4	*
Cranwell	1028.7	-1	NE'N	3	bc+	65	55	9	-	-	0	Ci	4	*
Gorleston	1027.6	+1	NE	5	oR	55	92	6	7250	Nb	7	Ci.St	10	*
Pulham	1026.8	-1	NE	4	opr_0	57	85	6	2500	Nb	10	-	10	*
Felixstowe	1025.8	0	NNE	5	rr	55	92	8	4000	Nb	4	A.St	6	*
Valencia (Cahirciveen)	1028.8	-2	WNW	2	b+	66	65	8	4000	Cu	1	-	1	*
Roches Point	1030.1	-1	SE	2	b	53	85	8	-	-	0	-	0	*
Pembroke (St. Ann's H.)	1027.7	-1	W	1	b	62	75	8	-	-	0	Ci.St	2	*
Ross-on-Wye	1026.4	-4	ENE	4	c⊕	66	55	8	-	-	0	Ci.St	8	*
Benson	1025.9	-3	NE	4	o	66	55	8	-	St.Cu	10	-	10	*
S. Farnborough	1024.7	-2	ENE	4	or_0	66	65	8	2500	Nb	4	A.St	10	*
London (Kew Obs)	1025.6	-1	ENE	4	orr	63	75	6	2500	Nb	7	A.St	10	*
Croydon	1025.5	-1	NNE	5	or_0	60	85	7	1500	Nb	5	A.St	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1025.1	-1	NE	4	od_0d	57	85	7	1500	Nb	2	A.Cu	9	*
Grain	1025.3	-1	NE	5	or-	58	85	8	1500	Nb	10	-	10	*
Lympne	1023.4	-1	N'E	7	or_0r_0	53	92	5	450	St	10	-	10	*
Scilly (St. Mary's)	1026.6	0	NE'E	2	b	63	75	8	-	-	0	Ci	2	*
Falmouth	1025.7	-1	ESE	2	c	65	65	8	-	-	0	Ci.St	8	*
Plymouth	1025.2	-1	E	1	o	67	45	8	5750	St.Cu	2	Ci	10	*
Portland Bill	1024.8	-2	NE	5	bc+	61	85	8	-	-	0	A.Cu	5	*
Calshot	1024.3	~~+2~~ -2	~~NE~~ ENE	4	o	70	65	8	4000	St.Cu	9	A.St	10	*
Dungeness	1022.8	-1	NE	6	oDD	55	97	5	450	St	10	-	10	*
Jersey	1023.3	0	NE	4	o	63	75	8	2500	St.Cu	10	-	10	*

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	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea 0-9
Lerwick	1030.9	0	WSW	2	fo	50	92	3	-	Nb	10	-	10	1
Stornoway	1031.0	0	NE	2	bc-	58	85	9	4000	Cu	5	-	5	1
Wick	1031.1	0	S	1	o+	54	92	8	5750	St.Cu	9	-	9	0
Castlebay	1030.8	-1	NW	4	b/f	52	92	8	-	-	0	-	0	3
Nairn	1030.0	*	-	0	c	59	*	*	*	*	*	*	*	*
Aberdeen	1031.4	-1	SE	3	b	56	75	8	-	-	0	-	0	0
Malin Head	1030.2	-1	NE	2	o	53	97	8	450	St.	10	-	10	1
Renfrew	1029.1	-1	~~NE~~	4	b	68	45	8	-	-	0	Ci	1	*
Leith	1029.6	*	?N	3	b	57	85	6	-	-	0	-	0	*
Eskdalemuir	1028.4	-1	ENE	4	b	65	55	8	-	-	0	-	0	*
Tynemouth	1030.2	-1	E	1	b	60	85	8	-	-	0	-	0	*
Blacksod Point	1029.3	-2	N	1	b	59	92	8	-	-	0	Ci	2	0
Donaghadee	1028.3	-1	NNW	3	b	57	85	8	-	-	0	-	0	1
Birr Castle	1027.4	*	E	1	b	70	55	8	-	-	0	Ci.Cu	1	*
Baldonnell														*
Holyhead	1027.5	-3	WNW	2	bc	59	75	7	-	-	0	Ci	4	1
Liverpool (Bidston)	1026.4	-2	ENE	3	bc+	68	45	8	-	-	0	Ci	6	1
Manchester (Alex. Pk.)	1027.0	-1	ENE	5	bc	65	45	9	-	-	0	A.Cu	5	*
Howden	1028.0	~~-2~~ -2	NE	~~3~~ 4	bc+	60	85	9	-	-	0	Ci.St	6	*
Spurn Head	1027.4	-2	NNE	5	bc	56	75	9	4000	St.Cu	3	A.Cu	5	2
Nottingham	1026.9	*	NE	4	bc+	60	55	6	-	-	0	Ci.Cu	6	*
Cranwell	1026.9	-2	NE'N	4	bc+	59	75	9	5000	St.Cu	6	Ci.St	4	*
Gorleston	1023.6	-4	NE'N	5	o	54	97	7	3250	Cu.Nb	8	Ci.St	10	4
Pulham	1024.7	-1	NE'N	4	or	54	85	6	1500	Nb	10	-	10	*
Felixstowe	1024.3	-1	N	4	or_0	53	97	8	4000	Nb	4	A.Cu	10	3
Valencia (Cahirciveen)	1027.8	-1	NNW	3	b+	64	75	8	4000	Cu	2	-	2	1
Roches Point	1029.4	-2	S	1	b+	59	85	8	-	-	0	Ci	3	0
Pembroke (St. Ann's H.)	1025.5	-2	N	3	bc+	64	75	8	-	-	0	Ci.St	5	1
Ross-on-Wye	1024.6	-2	ENE	3	c	66	55	8	-	-	0	A.Cu	8	*
Benson	1024.9	-1	NNE	2	or_0	56	92	7	-	Nb	10	-	10	*
S. Farnborough	1024.1	-1	NNE	4	odd	56	85	8	2500	Nb	6	A.St	10	*
London (Kew Obs)	1024.3	-2	NE	3	or_0	55	85	7	2500	Nb	8	A.St	10	*
Croydon	1024.4	-1	NE	4	or_0r_0	54	85	7	800	Nb	10	-	10	*
Clacton-on-Sea	1023.6	-2	N	4	or	54	92	7	4000	St	10	-	10	1
Shoeburyness	1023.6	-2	NE	2	o/r	53	92	5	1500	Nb	6	A.Cu	9	*
Grain	1023.6	-2	N	4	o/r	54	85	7	1500	St	10	-	10	3
Lympne	1021.7	-2	NNE	6	odd	52	97	7	450	Nb	10	-	10	*
Scilly (St. Mary's)	1025.0	-1	NE	2	b	60	97	8	-	-	0	Ci.St	3	1
Falmouth	1023.4	-4	N	3	bc-	68	45	7	-	St.Cu	3	Ci.Cu	4	*
Plymouth	1023.6	-1	ENE	2	o	67	55	8	-	-	0	A.St	10	*
Portland Bill	1023.6	-2 -1	NE	5	bc	60	85	8	1500	St.Cu	5	-	5	3
Calshot	1023.0	~~-3~~ -2	NNE	~~3~~ 4	or_0	60	~~85~~ 75	8	1500	St	~~3~~ 1	A.St	10	3
Dungeness	1021.7	-2	E	6	o/r	55	97	7	450	St	10	-	10	6
Jersey	1021.8	-1	NE	4	o	60	75	8	2500	St.Cu	10	-	10	3

London Observations	Weather Morning	Weather Afternoon	Weather Night	Temperature Max. °F.	Temperature Min. °F.	Min. on Grass °F.	Rainfall Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. %
	24 Hours ended 0900 G.M.T. 4th								Yesterday.		To-day.
Kew	*	*	*	*	*	*	*	*	*	*	*
Croydon {24 hours ended 0700	coorr / $orrr_0$	ooir / r_0dddr	orriRo / or_0o	*	*	51 / 51	3 / 1	1 / 0.1	2.8	*	*
Greenwich (Royal Obsy.)	o.or	or	or o	68	52	51	3	2	2.4	80	82
City (Bunhill Row)	*	*	*	*	*	*	*	*	*	*	*
Westminster (St. James' Pk.)	*	*	*	69	54	50	3	3	1.3	76	76
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*	2.4	*	*
Camden Sq. (Brit. Rainfall)	bcc	or	*	71	53	52	4	2	*	84	78
Kensington Palace	c o/p.	or.	*	69	52	51	3	2	*	88 (18h)	79
Hampstead Observatory	*	*	*			*			3.1	*	

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

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

South Kensington

Max.	Time.	Min.	Time.
0.4 / 0.6	1800 to 2000 2nd / 0700 3rd	0.2	0100 to 0400 3rd

Kew Observatory

Max.	Time.	Min.	Time.
<½ from 1600 2nd to 1600 3rd			

Solar Radiation. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total 1058 joules

Average Rate 18.0 Milliwatts.

Maximum Rate 58 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			

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

4th & 5th June 1921.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.35 / 3.34	11.51 / 11.51	8.7 / 8.8
Greenwich	3.48 / 3.47	11.58 / 11.58	8.8 / 8.9
Wick	3.14 / 3.13	12.10 / 12.10	9.7 / 9.8
Valencia	4.26 / 4.25	12.39 / 12.39	8.52 / 8.53

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.
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"; bc = cloud 0-5; co = cloud 6-10.

Capital letters indicate intensity, 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.

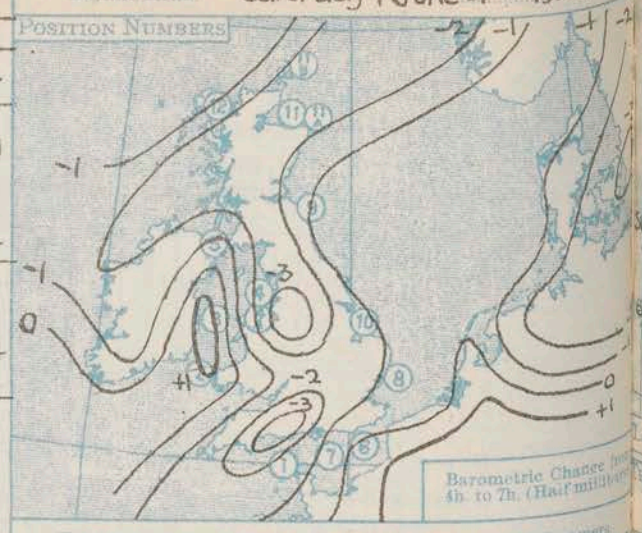
Beaufort No.	Statute miles per hour.	Metres per second.
0	Less than 1.	Less than 0·3
1	1-3	0·3-1·5
2	4-7	1·6-3·3
3	8-12	3·4-5·4
4	13-18	5·5-7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

* 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. 7th.-13h. 3rd	13h.-18h. 3rd	18h.-24h. to 1h. 4th	1h.-7h. 4th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h.	Night. 18h.-7h.	Precipitation began.	SUN. Hours.
Lerwick	c	c2f	ff	F	55	49	*	trace	0·4	-	*
Stornoway	oo	c	F	oo	64	46	*	-	-	-	4·9
Wick	c	c	c	c	56	49	*	-	-	-	*
Castlebay	F	for m	bc	bcf	52	49	*	-	-	-	7·0
Nairn	bc	bccg	bc	cbcw	65	46	*	-	-	*	7·2
Aberdeen	b or bc	b or bc	b bc im	bc im b	62	43	38	-	-	-	15·4
Malin Head	b or bc	c	FFe	FFe	53	47	*	-	0·3	-	0·5
Renfrew	b or bc	b or bc	bc	bc	72	46	35	-	-	1511	1512
Leith	*	b or bc	oo		61	51	50	-	-	-	*
Eskdalemuir	b or bc	by	bw	oo	71	42	38	-	-	-	15·4
Tynemouth	b or bc	im b or bc	b or bc	if	62	49	*	-	-	-	*
Blacksod Point ...	b or bc	b or bc	b or bc	for m	62	49	*	-	-	-	*
Donaghadee	b or bc	b or bcx	bm	bcm	59	50	*	-	-	-	*
Birr Castle	b	b	bfff	bfff	71	45	39	-	-	-	13·4
Baldonnell	b or bc	b or bc		m		41	34		-	-	15·0
Holyhead	biz	biz	b or bc	bcc	65	51	49	-	-	-	14·2
Liverpool (Bidston) ...	b or bc	b or bc	bbc	oo	71	46	48	-	-	-	14·1
Manchester (Alex.Pk.)	b or bc	c	b or bc		76	52	49	-	3	0230	*
Howden	b or bc	b or bc	p	p	67	51	43	-	trace	2100	14·3
Spurn Head	b or bc	b or bc	c	p	59	50	*	-	1	0330	*
Nottingham	b or bc	b or bc	ir		68	[illegible]	50	-	3	2200	12·7
Cranwell	b or bc	oo	r or d	r or d	65	50	43	?	3	0130	12·0
Gorleston	iR	olrq	oirl	oolP	58	54	52	2	31	1230	3·0
Pulham	p	r or d	p	p	62	52	51	1	3	0900	5·1
Felixstowe	r or d	iR	oo	oo	64	?	?	3	1	0900	1·3
Valencia (Cahirciveen)	b or bc	b or bc	b or bc	b or bc	67	46	41	-	-	-	15·4
Roches Point	b or bc	b or bc	b or bc		63	52	*	-	-	-	*
Pembroke (St. Ann's H.)	b or bc	b or bc	c	c	68	53	*	-	-	-	14·7
Ross-on-Wye	coc	c	coy	ogro	70	51	50	-	1	0230	7·4
Benson	oa	oir.	ir. o	o	70	52	50	0·4	0·3	1730	*
S. Farnborough ...	oo	lr.	r. r.	r or d	69	51	51	0·3	1	1230	2·0
London (KEW OBS).	coorr	oolr	orrrRrrr	oo	67	53	51	3	1	1100	2·8
Croydon	orr r.	r.d.d.r	or.	o	67	52	51	1	0·1	1100	*
Clacton-on-Sea ...	*	copir	ogp	oc	62	52	51	3	0·2	0900	1·4
Shoeburyness	r or d	rrff	m	m	65	50	50	5	-	0900	2·6
Grain	r or d	rrR	lr.		63	52	45	5	trace	1230	3·5
Lympne	pq rrtm	oq rdjm	d. o	oc imq	59	51	50	1	trace	1530 2100	0·8
Scilly (St. Mary's) ...	b or bc	b or bc	b or bc	c	64	53	*	-	-	-	14·0
Falmouth	by bc c	c bcy2	bc oo	oo	72	54	55	-	-	-	13·0
Plymouth	oo	oo	r or d		71	55	51	-	-	-	4·1
Portland Bill	c	c	p	oo	66	50	*	-	0·3	2200	2·2 *
Calshot	oo	oo	olr. o	oo	71	54	53	1·05	0·2	1330	0·0
Dungeness	r. r.	lrm	cr.	im	61	50	*	trace	-	1100	*
Jersey	oo	oco	lr. o	o	64	53	*	-	*	-.	0·5

ISALLOBARS Saturday, June 4th 1921



Temperature reported from Cross Channel and Coastal Steamers

Position Number	4A	3	1	6
Date	3rd	3rd	3rd	4th
Time G.M.T.	0515	1015	1230	0210
Sea ° F.	52	50	50	54
Air ° F.	53	52	59	55

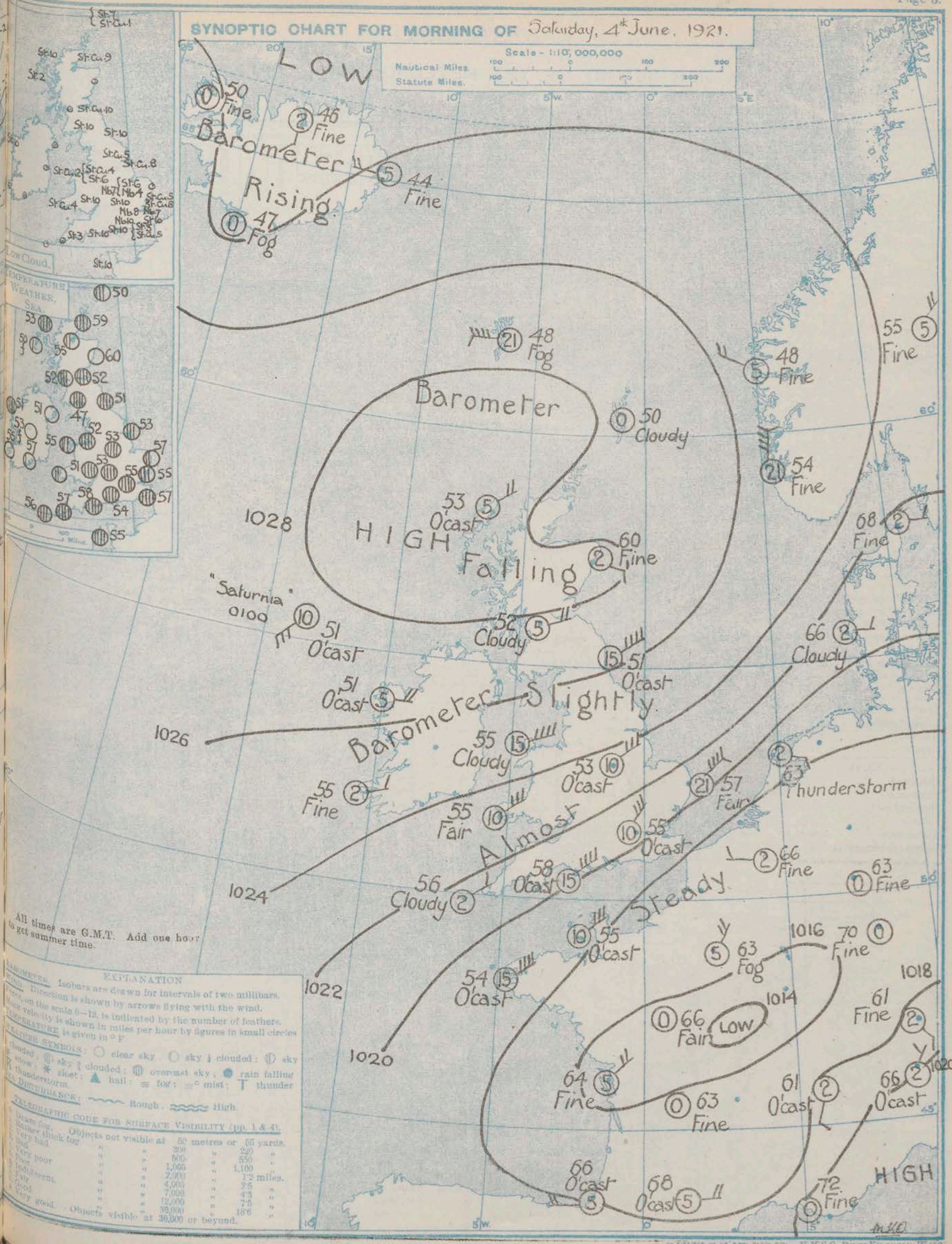
GENERAL INFERENCE.

The high over Scotland and the low over France will maintain Northeast winds.

There will continue to be much cloud over England with showers or rain in places and local thunder.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Saturday 4th June 1921	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.E., moderate, fresh at times; cloudy, local showers or rain, tendency for thunder; visibility variable, local mist or fog; moderate temperature.	Winds mainly Northeasterly; changeable, with thundery tendency
11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Light N.E. winds, cloudy, some showers; visibility fair, local mist; moderate temperature.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Light variable winds; cloudy; visibility variable, some mist or fog; moderate temperature.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind N.E., light or moderate; fair or cloudy, local showers; visibility variable, local mist or fog; moderate temperature.	

L.G.B.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. SATURDAY, 4TH JUNE 1921. No. 155

Observations at 0100 G.M.T. 4TH

STATIONS.	Barom. at M.S.L. m.b.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	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	1029.9	-1	-	0	fo+	49	97	1	450	Nb	10	-	10	*
Stornoway	1031.1	0	-	0	fo+	*	*	*	*	*	*	*	*	*
Wick	1029.2	-2	SSW	1	0	50	97	9	4000	St.Cu	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1028.8	0	-	0	SSO	49	97	1	450	Sc.	10	-	10	*
Renfrew	1029.6	0	NE	2	bc	50	92	7	-	-	0	Ci	6	*
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1029.2	-1	N	3	b	47	85	7	-	-	0	Ci	1	*
Tynemouth	1029.2	-1	N	1	fb	50	97	5	-	-	0	-	0	*
Blacksod Point ...	1028.6	-1	NW	2	b	52	97	8	-	-	0	-	0	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1024.6	-1	E'S	1	b	48	55	7	-	-	0	-	0	*
Holyhead	1025.4	+1	ENE	4	bc+	*	*	8	-	-	0	A.Cu	4	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1026.6	-1	NNE	2	c/f	52	97	6	4000	Nb	8	-	8	*
Spurn Head	1025.7	-1	NE	5	0	52	55	8	5750	St.Cu	10	-	10	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1025.4	-2	N'E	4	0/r	52	97	8	1500	St.Cu	10	-	10	*
Gorleston	1022.5	-2	NE	5	0/r	55	85	8	4000	St.Cu	10	-	10	*
Pulham	1022.3	-3	NE'N	3	0	53	92	6	2500	St	10	-	10	*
Felixstowe	1021.8	-2	N	3	0	54	92	8	-	-	0	A.St	10	*
Valencia (Cahirciveen)	1027.8	0	WNW	2	b	55	*	*	*	*	*	*	*	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St.Ann's H.)	1024.7	0	NE.	2	c	55	85	8	-	-	0	A.St	8	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (KEW OBS.)	1022.4	-1	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	1022.4	-3	NNE	3	0/r	53	92	7	1500	St	10	-	10	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1024.6	0	NNE	5	0/r	53	92	7	800	St	10	-	10	*
Scilly (St. Mary's) ...	1023.4	-1	NE	2	b	55	97	8	4000	CuNb	2	-	2	*
Falmouth	1022.8	-2	-	0	0	59	85	8	-	St.Cu	10	-	10	*
Plymouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1023.0	-1	NE	5	bc+	58	85	8	1500	St.Cu	7	-	7	*
Calshot	1021.7	-3	N	4	0/r	54	85	8	2500	St	10	-	10	*
Dungeness	1020.7	-1	NE	4	0	55	97	6	450	St	10	-	10	*
Jersey (Guernsey Th.)	1021.8	-1	ENE	5	od	55	92	4	225	St	10	-	10	*

Observations at 0700 G.M.T. 4TH

STATIONS.	Barom. at M.S.L. m.b.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	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	1027.8	-2	-	0	c/f	50	97	7	800	St	8	-	8	0
Stornoway	1029.0	0	NE	2	0	53	92	7	800	St	10	-	10	1
Wick	1027.2	-2	SSW	2	0	59	75	8	4000	St.Cu	9	-	9	0
Castlebay	1028.3	-2	NW	4	fb	51	97	7	450	St	2	A.St	3	3
Nairn	1027.6	*	-	0	bc	55	*	*	*	*	*	*	*	0
Aberdeen	1028.3	-2	ESE	1	b	60	92	8	-	-	0	-	0	0
Malin Head	1027.6	-1	-	0	SSO	49	97	1	450	Sc.	10	-	10	0
Renfrew	1027.9	-2	ENE	2	bc	52	85	4	-	-	0	Ci	6	*
Leith	1027.9	-2	NE	4	0	52	85	8	1500	St.Cu	10	-	10	5
Eskdalemuir	1027.8	-2	NNE	4	0	47	97	6	800	St	10	-	10	*
Tynemouth	1027.0	-1	NE	4	0/f	51	92	7	1500	St	10	-	10	1
Blacksod Point ...	1026.2	-2	E	2	0/r	51	97	7	450	St	10	-	10	1
Donaghadee	1026.5	0	N	2	fb	51	92	8	-	-	0	-	0	*
Birr Castle	1025.7	*	N	1	fb-	53	97	3	-	-	0	Ci	1	*
Baldonnell	1025.9	+1	-	0	c+	53	85	7	-	-	0	Ci.St.	8	*
Holyhead	1024.8	-1	ENE	4	c	55	85	8	<150	St.Cu	2	A.Cu	8	4
Liverpool (Bidston) ...	1024.6	-3	NE	1	0+	52	85	7	800	St	10	-	10	1
Manchester (Alex.Pk.)	1024.3	-3	ENE	4	od	54	75	5	5750	St.Cu	10	-	10	*
Howden	1024.6	-2	N'E	4	0/r	52	92	8	2500	St.Cu	5	A.St	10	*
Spurn Head	1024.1	-1	NNE	5	c-	53	75	8	7250	St.Cu	8	-	8	3
Nottingham	1023.6	*	NE	3	0+	53	92	5	2500	Nb	7	Ci.St	10	*
Cranwell	1023.3	-2	NNE	5	0	57	92	7	800	St	10	-	10	*
Gorleston	1021.4	-1	NE	5	bc-	56	85	7	-	-	0	A.Cu	4	0
Pulham	1020.3	-1	NNE	3	0	56	85	7	4000	St	9	-	9	*
Felixstowe	1019.9	-1	N	3	c-	57	85	8	5750	St.Cu	5	A.St	7	3
Valencia (Cahirciveen)	1025.4	0	NE'E	1	b	55	85	8	-	-	0	-	0	0
Roches Point	1024.7	-1	NNW	1	b	57	85	7	-	-	0	Ci	2	0
Pembroke (St.Ann's H.)	1022.5	+1	NE	3	bc-	55	85	8	5750	St.Cu	4	A.Cu	5	1
Ross-on-Wye	1022.3	-1	NE	3	0	51	85	9	2500	St	10	-	10	*
Benson...	1020.9	-1	NNE	3	0	53	92	5	-	St	10	-	10	*
S. Farnborough ...	1020.6	0	NE	3	0	54	85	8	1500	Nb	10	-	10	*
London (KEW OBS.)	1020.5	-1	NE'N	3	0/r	55	85	7	2500	Nb	8	A.St	10	*
Croydon	1020.8	-1	NE'N	4	0	54	92	7	800	St	10	-	10	*
Clacton-on-Sea ...	1019.8	0	N	3	c/r	55	92	7	7250	St.Cu	8	-	8	0
Shoeburyness	1020.4	0	NNE	1	0+	50	75	7	<150	Nb	7	A.Cu	2	*
Grain	1019.9	-1	N'E	3	0	56	85	7	1500	St	10	-	10	0
Lympne	1019.0	-1	N'E	5	0	55	92	7	800	St	10	-	10	*
Scilly (St. Mary's) ...	1021.3	-1	NE	1	c-	56	97	8	-	-	0	A.Cu	8	1
Falmouth	1021.0	0	NE	3	0	57	75	7	-	-	0	A.St	10	*
Plymouth	1020.8	-1	ESE	1	0	57	65	8	2500	St	3	A.St	9	*
Portland Bill	1020.0	-3	NE	4	0+	58	85	8	450	St	10	-	10	3
Calshot	1019.9	-3	N'E	3	0	56	85	8	1500	St	10	-	10	0
Dungeness	1019.3	-2	NE	3	0	57	97	7	450	St	10	-	10	3
Jersey (Guernsey Th.)	1018.8	-1	NE	3	0	55	92	8	2500	St	10	-	10	3

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 3RD JUNE

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day °F.	Temperature. Min. Night. °F.	Rainfall.† Night 17h.-9h. 2nd-3rd mm.	Rainfall.† Day 9h.-17h. 3rd mm.	Sunshine. Sunrise to 17h. 3rd hr.	Sunshine. Sunrise to Sunset. 2nd hr.
Banff	oc bc b	b bc b	67	46	-	-	7.2	8.5
Montrose	b	b	57	48	2	-	12.7	11.9
Llandudno	b	b	65	44	-	-	12.4	14.7
Colwyn Bay ...	b	b	63	44	-	-	11.5	14.5
Rhyl	b	b	64	41	-	-	12.2	14.4
Southport	b	b bc	73	45	-	-	12.5	15.3
Blackpool	bc	bc	71	44	-	-	12.4	14.7
Harrogate	b	b	66	43	-	-	12.1	14.7
Skegness	b bc b	b o	59	43	-	-	10.5	15.2
Aberystwyth ...	c b b	b bc	72	48	-	-	11.0	15.7
Bath	o c bc	c bc o	69	45	-	-	3.7	13.6
Leamington Spa ...	bc	bc	70	45	-	-	7.5	15.3
Lowestoft	bc c or	or	57	53	-	3	2.2	12.1
Felixstowe	omp	or	62	51	-	2	1.5	13.3
Southend	bc c or	or	66	50	-	4	3.8	11.0
Paignton	bc.	bc c o	70	52	-	-	5.1	14.1
Ilfracombe	bc	bc c	65	55	-	-	9.2	14.6
Bude	b	b	72	47	-	-	12.1	14.8
Penzance	b bc	bc	73	54	-	-	11.3	14.0
Torquay	b bc	c	69	52	-	-	6.3	14.2
Weymouth	oc	co	73	53	-	-	3.2	14.2
Bournemouth ...	o	o/r	71	50	-	-	2.2	14.6
Portsmouth (S'thsea)	bc	o	71	53	-	-	2.6	14.5
Worthing	bc o	o	65	53	-	-	0.2	14.6
Brighton	o	o	65	54	-	-	0.4	14.5
Eastbourne ...	o	o	66	53	-	-	0.5	14.9
Hastings	oc o	or o	63	52	-	2	0.7	15.1
Folkestone	co	or o	60	52	-	3	0.0	13.3
Tunbridge Wells ...	oc	o	64	50	-	-	0.2	14.5
Ramsgate	bc	bc	57	52	-	-	0.0	12.5
Margate								
Deal	bc c	o	57	52	-	1	0.3	9.2

* 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.21745 SUNDAY 5TH JUNE 1921.

Observations at 1300 G.M.T. 4h.

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	1027·9	0	W	2	bc-	53	92	9	5450	Cu	3	Ci Cu	6	*
Stornoway	1028·2	0	E	1	o-	53	85	8	800	St	9	·	9	*
Wick	1026·9	0	NE	2	bc-	52	94	8	1500	St	2	Ci	4	*
Castlebay	1027·8	0	NW	4	bcff	54	85	8	-	·	0	A Cu	3	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1026·8	-1	SE	3	b+	66	65	8	-	·	0	A Cu	2	*
Malin Head	1026·8	-1	N	1	ffg	54	94	1	450	St	10	·	10	*
Renfrew	1025·8	-3	NNE	2	b	69	55	4	5450	StCu	4	Ci	5	*
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1025·6	-2	NE	4	c-	60	75	8	4000	St	3	A St	8	*
Tynemouth	1026·1	-2	NNE	3	o	54	55	8	1500	St	10	·	10	*
Blacksod Point	1025·6	-1	NNE	2	b	56	92	8	450	Cu	1	·	1	*
Donaghadee	1025·4	-1	NNE	2	bc-	60	75	8	-	-	0	A Cu	5	*
Birr Castle	1024·1	*	E	1	bc+	70	65	8	·	St Cu	5	·	5	*
Baldonnell	1025·2	-1	NE	4	o+	59	65	4	4000	Cu	1	A St	9	*
Holyhead	1024·2	-1	NE	4	or₀r₀	54	92	8	800	Nb	5	A St	10	*
Liverpool (Bidston)	1023·5	-1	NE	1	opr₀	55	65	4	2500	Cu Nb	10	·	10	*
Manchester (Alex. Pk.)	1023·5	-2	ENE	4	o	58	65	6	800	StCu	10	·	10	*
Howden	1023·6	0	N	3	or-	51	94	4	500	Nb	10	·	10	*
Spurn Head	1022·9	-2	NNE	5	o	53	94	8	450	St	10	·	10	*
Nottingham	1022·4	*	NE	2	oRR	54	92	5	1500	Nb	4	A St	10	*
Cranwell	1022·4	+1	NNE	4	o/r	54	92	8	800	St	10	·	10	*
Gorleston	1019·1	-1	NE	5	bc	60	75	4	-	·	0	Ci Cu	4	*
Fulham	1018·9	-1	NNE	4	o	62	85	6	1500	St	10	·	10	*
Felixstowe	1018·9	-1	N	3	o	55 → 65	75	4	1500	St	10	·	10	*
Valencia (Cahirciveen)	1024·1	-1	N	3	b	66	55	8	4000	Cu	1	Ci	2	*
Roches Point	1023·3	-2	SSE	3	b	62	85	8	4000	St Cu	2	·	2	*
Pembroke (St. Ann's H.)	1020·4	-1	SSE	3	o	58	85	8	2500	St	9	·	9	*
Ross-on-Wye	1021·3	-1	NE	4	o	56	75	4	1500	St	10	·	10	*
Benson	1020·0	-2	NE	3	o	61	75	6	*	St	10	·	10	*
S. Farnborough	1019·4	-1	NE	3	o	61	55	8	1500	St Cu	10	·	10	*
London (Kew Obs.)	1019·6	-2	NNE	3	o	59	75	4	1500	Nb	8	A St	10	*
Croydon	1019·4	-1	NNE	4	o	60	85	4	1500	St	10	·	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1018·9	-2	SE	2	o/r	62	85	4	2500	Cu	10	·	10	*
Grain	1019·0	0	NE → NW	1	o	63	85	8	2500	St	10	·	10	*
Lympne	1018·2	-1	N	5	o	59	92	4	1500	St	10	·	10	*
Scilly (St. Mary's)	1021·1	0	NE	1	o	59	85	8	800	St	10	·	10	*
Falmouth	1019·5	-2	NE	2	ffo	58	75	6	5450	St Cu	8	A St	10	*
Plymouth														*
Portland Bill	1019·6	-1	NE	4	o	60	75	8	450	St	10	·	10	*
Calshot	1018·6	-3	N	3	o	66	75	8	1500	St	10	·	10	*
Dungeness	1018·1	-1	NE	3	o	64	92	4	-	·	0	Ci St	10	*
Jersey	1017·4	-1	NE	3	b-	65	65	?	4000	St Cu	3	-	3	*

Observations at 1800 G.M.T. 4h.

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	1024·3	-1	WSW	2	bc+	53	92	8	4000	Nb	8	-	8	1
Stornoway	1027·5	-1	NW	3	c	53	85	8	800	Cu	8	-	8	1
Wick	1026·1	-2	NW	2	o	51	94	8	800	St	10	-	10	0
Castlebay	1026·3	-1	NW	5	fbc	54	85	8	800	St	5	-	5	3
Nairn	1025·2	*	E	2	bc	61	*	*	*	*	*	*	*	*
Aberdeen	1025·8	-1	E	1	bc	54	75	8	5450	StCu	3	Ci	4	0
Malin Head	1025·3	-1	NNE	1	mc-	53	94	6	450	St	6	·	8	0
Renfrew	1023·8	-1	NNE	3	c+	67	65	8		-	-	A St	7	*
Leith	1024·2	*	E	2	bcv	59	75	9	-	-	0	A Ci	6	*
Eskdalemuir	1024·5	-1	NE	3	c	57	75	8	4000	Cu	1	A St	8	*
Tynemouth	1024·6	-1	N	2	obr₀	52	94	8	4000	St	10	·	10	1
Blacksod Point	1024·1	-1	NNE	2	bc+	55	94	6	1500	St	6	·	6	1
Donaghadee	1022·5	-2	ENE	1	o-	56	75	8	·	·	0	A St	9	0
Birr Castle	1022·4	*	E	2	c+	66	65	6	·	StCu	8	·	8	*
Baldonnell	1023·8	-1	NE	4	od₀	54	75	8	4000	St	2	A St	10	*
Holyhead	1022·4	-2	NE	4	r₀	56	85	8	4000	Nb	4	A St	10	1
Liverpool (Bidston)	1021·9	-2	NE	1	o/r	54	65	4	800	St	10	·	10	1
Manchester (Alex. Pk.)	1021·8	-2	NE	3	o	54	65	8	4000	St	10	-	10	*
Howden	1022·6	-1	N	3	r	53	97	7	1500	StCu	10	·	10	*
Spurn Head	1021·6	-1	NNE	5	o	53	55	8	?	St	10	·	10	2
Nottingham	1021·8	*	NE	2	oR	53	94	5	1500	Nb	10		10	*
Cranwell	1021·8	-1	NNE	4	o	52	92	8	800	Nb	7	A St	10	*
Gorleston	1018·2	-2	N	5	c+	54	85	4	2500	Cu Nb	2	A Cu	4	4
Fulham	1018·6	0	NE	3	c-	59	85	6	2500	StCu	8	-	8	*
Felixstowe	1018·0	-1	N	3	c-	62	75	4	2500	St	1	A Cu	73	1
Valencia (Cahirciveen)	1022·5	-2	N	2	b	63	85	4	4000	Cu	1	Ci	3	0
Roches Point	1022·4	-2	SE	1	bc+	60	85	8	4000	Cu	1	A Cu	5	0
Pembroke (St. Ann's H.)	1019·8	-3	E	1	o	59	85	4	2500	St	9	·	9	1
Ross-on-Wye	1019·4	-2	ENE	3	o	58	75	4	2500	StCu	8	A St	10	*
Benson	1019·5	-2	NNE	3	o	56	85	4	*	St	10	·	10	*
S. Farnborough	1018·4	-1	ENE	3	o	59	85	8	1500	St Cu	10	·	10	*
London (Kew Obs.)	1018·6	-1	NNE	4	o	54	85	8	1500	Nb	10	·	10	*
Croydon	1018·6	-1	N	3	o	54	85	4	1500	St	10	·	10	*
Clacton-on-Sea	1017·6	-1	N	3	c-	64	85	6	2500	St	5	A Cu	8	0
Shoeburyness	1017·6	-3	N	1	o	63	85	6	1500	St Cu	10	·	10	*
Grain	1017·9	-1	NW	1	o	63	85	8	2500	St	10	·	10	0
Lympne	1016·4	-1	NNE	5	c-	60	85	4	1500	St	7	·	7	*
Scilly (St. Mary's)	1018·3	-3	NNE	2	o	56	85	8	1500	St	10	·	10	1
Falmouth	1018·1	-2	-	0	o	54	85	4	*	St	10	-	10	*
Plymouth	1017·9	-1	ENE	3	o	50	75	8	2500	St	10	·	10	*
Portland Bill	1016·6	-3	NE	4	o	61	75	8	450	St	10	·	10	3
Calshot	1017·8	-1	NNE	4	o-	63	75	8	2500	St	2	A Cu	9	0
Dungeness	1016·4	-2	NE	3	o-	63	94	8	5450	Cu	9	-	9	-3
Jersey	1016·3	-2	NE	3	o	60	85	8	1500	St	10	·	10	3

London Observations (Weather, Temperature, Rainfall: 24 Hours ended 0900 G.M.T. 5h; 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 Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)
Kew	oo	od₀o	oo	*	*	50	tr	-	0.0	*	*
Croydon	oo	oo	odd₀o	*	*	50	-	?	*	*	*
Greenwich (Royal Obsy.)	o	od₀	d₀od	63	51	49	-	-	0.1	81	81
City (Bunhill Row)	*	*	*	*	*	*				*	*
Westminster (St. James' Pk.)	*	*	*								
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*				*	*
Camden Sq. (Brit. Rainfall)	o	oc	*	62	57	50	-	-	*	76	76
Kensington Palace	o	o	*	61	51	49	-	-	*	87 (15h)	81
Hampstead Observatory	*	*	*			*				*	

Atmospheric Pollution. Lbs. of Solid impurity per million cubic yards. 24 Hr. ended 1600 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			
Ursae Minoris			

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom. 5th & 6th June 1921.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3·34 / 3·34	11·51 / "	8·8 / 8·9
Greenwich	3·44 / "	11·55 / "	" / "
Wick	3·13 / 3·12	12·10 / "	9·8 / 9·9
Valencia	4·25 / "	12·39 / "	8·53 / 8·54

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.
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"; bc = cloud 0-5; co = cloud 6-10.

Capital letters indicate intensity, 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, 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.	Metres per second.
0	Less than 1.	Less than 0·3
1	1-3	0·3-1·5
2	4-7	1·6-3·3
3	8-12	3·4-5·4
4	13-18	5·5-7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

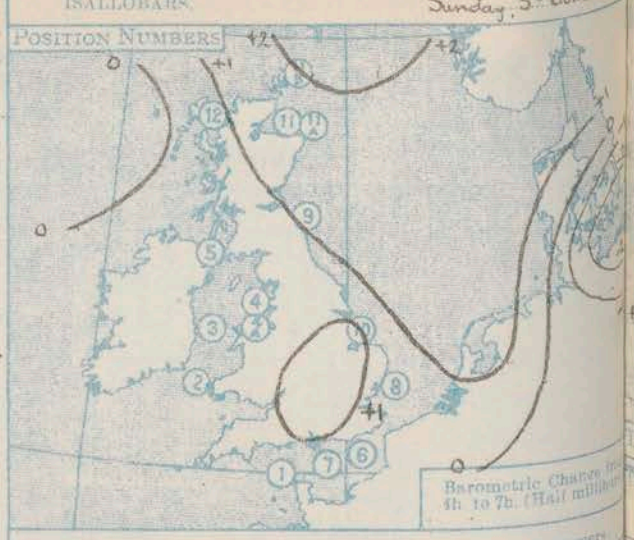
* Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-18h. 4th	WEATHER. 18h.-18h. 4th	WEATHER. 18h.-7h. to 1h. 5th	WEATHER. 1h.-7h. 5th	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.	SUN. Hours.
Lerwick	c	oo	oo	b or bc if	56	43	*	-	-	-	*
Stornoway	oo	c	c	oo	59	47	*	-	-	-	3.8
Wick	c	oo	if	if	59	46	*	-	-	-	*
Castlebay	f or m	bc f	bc 6-8f	b	57	49	*	-	-	-	12.3
Nairn	bc	bc v	bc c w		66	43	*	-	-	*	14.0
Aberdeen	b or bc	b or bc	bc b o		66	49	45	-	-	-	14.1
Malin Head	FF	F	FFe	FFe	55	48	*	-	0.1		49
Renfrew	b or bc	c	oo	b or bc	70	54	37	-	-	-	13.3
Leith		c	oo		61	52	48	-	-	-	*
Eskdalemuir	oo	c	c	oo	60	48	45	-	-	-	0.8
Tynemouth	c	ir	id.	oo	54	50	*	0.2	trace	-	*
Blacksod Point ...	b or bc	b or bc	f or m	c	58	51	*	-	-	-	*
Donaghadee	b or bc	bc ir.	c 2m	c 1m	60	50	*	0.4	-	-	*
Birr Castle	c	c	c	c	61	57	53	-	-	-	9.3
Baldonnell	c	oo	oo	oo	63	52	49	-	-	-	5.2
Holyhead	r. r.	oo	oo	oo	56	52	52	1	-	-	0.3
Liverpool (Bidston) ...	p	ip.	oo		58	52	50	0.2	-	-	0.0
Manchester (Alex.Pk.)	a m.	oo	oo		65	53	50	trace	-	-	1
Howden	r or d	r or d	oo	oo	58	51	48	2	0.1	0230	0.3
Spurn Head	p	p	p	c	54	48	48	1	1	-	*
Nottingham	p	IR	oo		57	50	49	6	3	-	0.0
Cranwell	p	r or d	p	r or d	57	49	49	5	-	-	0.0
Gorleston	b or bc	c	c	oq oqu	61	51	51	-	-	-	9.3
Pulham	oo	?	oo	oo	63	50	50	-	-	-	2.6
Felixstowe	oo	c	c	f or m	66	?	*	-	-	-	3.3
Valencia (Cahirciveen)	b or bc	b or bc	b or bc	c	60	54	48	-	-	-	14.9
Roches Point	b or bc	b or bc	oo		69	56	*	-	-	-	*
Pembroke (St. Ann's H.)	c	oo	oo	oo	62	53	*	-	-	-	0.8
Ross-on-Wye	oo im.	o3. 3.	o2 go2n	go	60	52	51	-	-	-	0.1
Benson...	oo	oo	oo		62	50	50		0.1	0530	*
S. Farnborough ...	oo	oo	oo	id.	63	51	51		-	-	0.1
London (KEW OBS.)	oo	oo. d. o	oo		61	52	50	trace	-	-	0.0
Croydon	oo	oo	odd	o	61	51	50	-	trace	-	*
Clacton-on-Sea ...		c	c	c	64	51	50	-	-	-	1.9
Shoeburyness	r or d	oo	oo		67	50	48	0.1	-	-	0.4
Grain	oo	oo	oo		64	51	43	-	-	-	1.0
Lympne	oo	o m.	bcc	co	61	51	49	-	-	-	2.8
Scilly (St. Mary's) ...	c	oo	oo	oo	61	54	*	-	0.6	2400	0.6
Falmouth	oo	og. og	oo	o im	61	55	55	-	-	-	0.0
Plymouth		oo	oo		61	54	51	trace	-	-	0.0
Portland Bill	oo	oo	oo	oo	63	47	*	-	-	-	*
Calshot	oo	oo	oo	c	69	53	53	-	-	-	3.3
Dungeness	oo	oo	c	c	65	54	*	-	-	-	*
Jersey	oo. c. b	bc. o	m	o	67	56	*	-	-	-	2.2

ISALLOBARS. Sunday, 5th June 1921.

POSITION NUMBERS



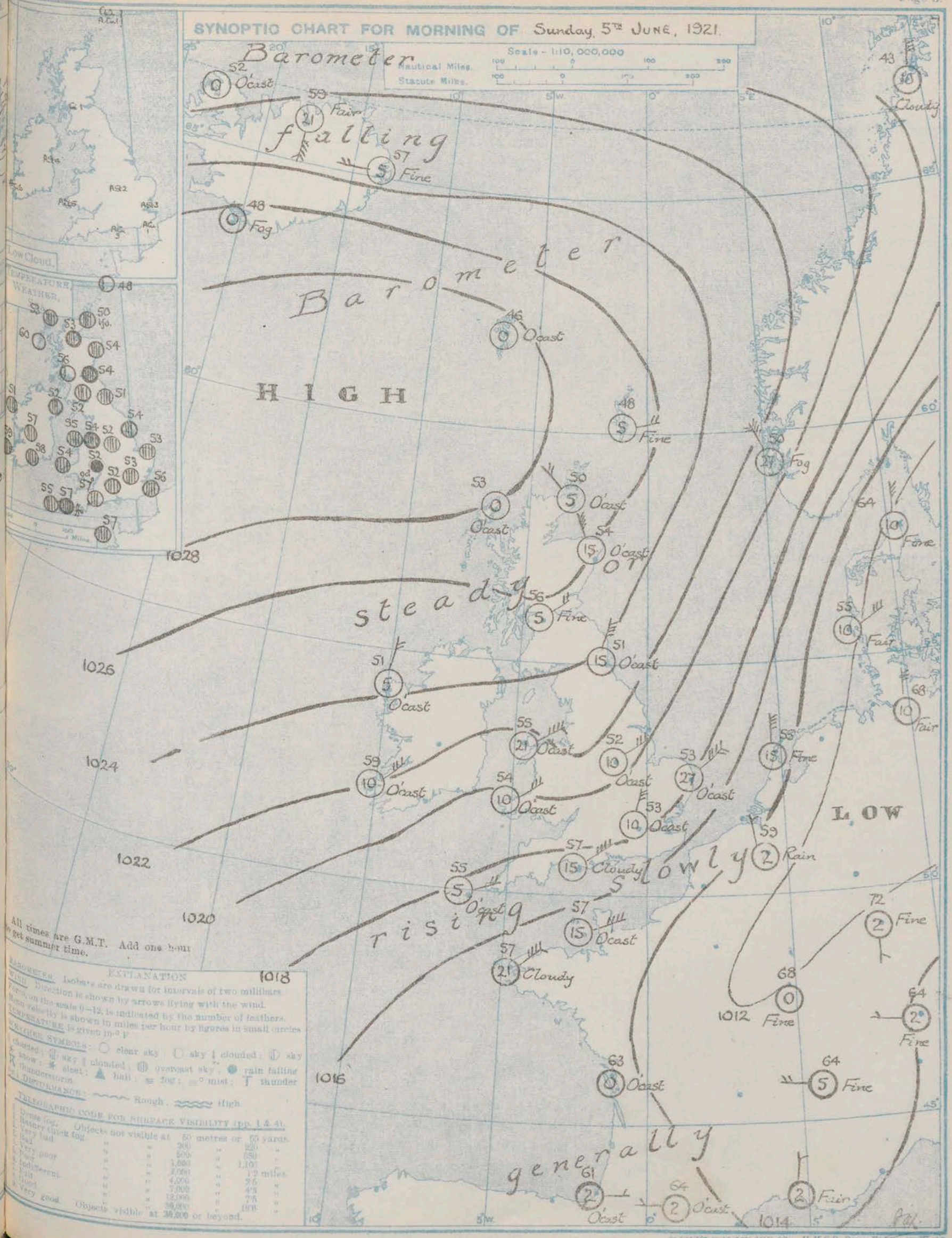
Temperature reported from Cross Channel and Coastal Steamers.

Position Number	7	4a	12	3	6	7	4a
Date	4th	4th	4th	4th	5th	5th	5th
Time G.M.T.	0650	0434	0650	1030	0400	0249	0545
Sea ° F	52	55	50	50	54	55	59
Air ° F	56	55	51	52	55	57	55

GENERAL INFERENCE.

The anticyclone off the Hebrides will continue but a depression forming over Scandinavia will cause cold weather generally with much cloud, local showers, and a tendency for thunder over England, the Northeasterly wind blowing strongly at times on the East Coast.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Sunday 5th June 1921.	Further Outlook.
1. S.E. England 2. E. England ~~3. E. Midlands~~	Wind northeasterly, strong at times on the Coast; much low cloud, some local showers, tendency for thunder; visibility fair to good; cold.	Wind N.E. to N; unsettled and rather cold weather. ------
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	Moderate to fresh northeasterly winds; much low cloud, some local showers, tendency for thunder; visibility fair to good; cold.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Light to moderate winds, mainly from between N. and E.; varying amount of cloud; visibility fair to good; colder than of late.	
~~17. N.W. Ireland~~ 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Moderate N.E. wind; much low cloud; visibility fair to good; rather cold.	


SYNOPTIC CHART FOR MORNING OF Sunday, 5TH JUNE, 1921.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
Barometer
falling
Barometer
HIGH
steady
rising
slowly
LOW
generally
1028
1026
1024
1022
1020
1018
1016
1014
1012
Low Cloud.
TEMPERATURE
WEATHER.
All times are G.M.T. Add one hour to get summer time.
EXPLANATION
BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Direction is shown by arrows flying with the wind. Force, on the scale 0—12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in °F.
WEATHER SYMBOLS: clear sky; sky ¼ clouded; sky ½ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
SEA DISTURBANCE: Rough; High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY (pp. 1 & 4).
Objects not visible at 50 metres or 55 yards.
Very poor 500 metres or 550 yards
Poor 1,000 1,100
Indifferent 2,000 1.2 miles
Fair 4,000 2.5
Good 7,000 4.3
Very good 12,000 7.5
Objects visible at 30,000 or beyond 18.6

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.....SUNDAY 5TH JUNE.....1921. No. 156.

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	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun. 0-9
Lerwick	1025.3	+1	N	3	fo	47	97	4	480	St.	10	-	10	*
Stornoway	1028.9	+2	NE	5	c	*	*	6	*	*	*	*	*	*
Wick	1026.2	0	NW	2	o/f	45	97	6	450	St.	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1025.2	0	NW	1	550	51	97	1	450	St.	10	-	10	*
Renfrew	1024.9	0	NE	3	c	51	75	8	2500	St.Cu	7	-	7	*
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1024.8	0	NNE	2	c-	50	85	7	3750	St.Cu	8	-	8	*
Tynemouth	1024.1	-1	N	3	od.	50	97	5	800	St.	10	-	10	*
Blacksod Point ...	1024.5	0	N	3	bcf-	53	97	5	1500	St.	6	-	6	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baidonuell	1023.5	0	-	0	0	53	92	8	4000	St.	10	-	10	*
Holyhead	1022.1	0	NE	4	bc/r	*	*	7	1500	Nb.	6	-	6	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1022.1	-1	NNE	4	o-	51	97	7	1500	St.	10	-	10	*
Spurn Head	1020.7	-1	NE	5	od.	50	92	8	450	St.	10	-	10	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1021.6	0	NE	3	o/r	50	92	8	800	Nb	10	-	10	*
Gorleston	1019.6	-1	NE	5	c	52	92	7	2500	Nb	8	-	8	*
Pelham	1018.7	-1	NNE	4	o	52	92	6	4000	St.	10	-	10	*
Felixstowe	1018.2	0	N	3	c-	51	92	7	7500	St.Cu	7	-	7	*
Valencia (Cahirciveen)	1023.5	0	-	0	b	58	*	8	-	St.	10	-	10	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St.Ann's H.)	1020.0	0	ENE	2	c-	54	85	7	2500	St.	2	A.St.	8	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (KEW OBS)	1018.2	-1	*	*	*	51	*	*	*	*	*	*	*	*
Croydon	1018.9	-1	N	3	o/r	51	92	6	1500	St.	10	-	10	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1016.8	c	N	5	bc-	51	92	8	1500	St.	6	-	6	*
Scilly (St. Mary's) ...	1019.1	0	NE	1	od.	55	97	7	1500	St.	10	-	10	*
Falmouth	1018.2	0	NE	1	o	57	92	7	—	St.	10	-	10	*
Plymouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1017.0	+1	NE	4	o	57	85	7	490	St.	10	-	10	*
Calshot	1018.0	-1	N	3	o	55	85	8	1500	St.	10	-	10	*
Dungeness	1016.4	-1	NNE	3	b	54	97	9	-	-	-	-	0	*
Jersey (Guernsey Ib.)	1016.6	0	ENE	3	ff o	55	92	5	1500	St.	10	-	10	*

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	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun. 0-9
Lerwick	1027.2	+2	E	2	b	48	75	8	-	-	-	Ci.	3	1
Stornoway	1028.1	+1	-	0	o	53	92	8	800	St.	10	-	10	0
Wick	1026.4	0	NW	2	ifo	50	85	5	450	St.	10	-	10	0
Castlebay	1026.1	0	W	2	b	60	75	9	-	-	-	-	0	0
Nairn	1026.9	-	-	0	c	53	*	*	*	*	*	*	*	0
Aberdeen	1026.0	-1	NNW	4	o	54	85	8	1500	St.	10	-	10	0
Malin Head	1024.8	0	N	1	o	49	97	1	450	St.	10	-	10	0
Renfrew	1025.4	+1	NE	2	b	56	85	7	2600	St.Cu	2	Ci.	3	0
Leith	1025.9	+1	NE	1	o	54	85	8	-	St.Cu	10	-	10	*
Eskdalemuir	1024.6	0	NNE	4	o	52	85	8	4000	St.	10	-	10	4
Tynemouth	1023.9	0	NNE	4	o	51	92	8	2500	St.	10	-	10	1
Blacksod Point ...	1024.1	0	NNE	2	o-	51	97	7	450	St.	10	-	10	1
Donaghadee	1024.0	0	NNE	3	c-	52	92	8	4000	St.Cu	8	-	8	*
Birr Castle	1022.5	*	N	2	o	57	92	7	4000	St.Cu	9	-	9	*
Baidonuell	1023.2	0	NE	3	o	55	85	7	800	St.	6	A.St.	10	2
Holyhead	1021.4	0	ENE	5	o	55	85	8	-	St.Cu	10	-	10	1
Liverpool (Bidston) ...	1022.3	0	ENE	2	o	54	76	3	2600	St.	10	-	10	*
Manchester (Alex.Pk.)	1022.6	0	NE	4	o	53	85	8	800	St.	10	-	10	*
Howden	1022.1	0	N	4	o	53	85	9	3750	St.	10	-	10	2
Spurn Head	1021.1	+1	NNE	5	c-	54	85	8	4000	Cu	7	-	7	*
Nottingham	1021.6	=	NE	3	o	52	85	5	1500	Nb	8	A.St.	10	*
Cranwell	[illegible]	0	NNE	5	od.	51	92	8	1500	St.Cu	10	-	10	5
Gorleston	1018.6	-1	NE	3	o	53	85	7	2500	Nb	10	-	10	*
Pelham	1018.8	0	NNE	3	o	51	92	6	2500	St.	10	-	10	2
Felixstowe	1016.5	+1	N	4	o	53	85	8	1500	St.Cu	10	-	10	0
Valencia (Cahirciveen)	1022.0	0	NE	3	o	59	75	8	2500	St.	3	A.Cu	9	0
Roches Point	1021.7	0	NW	2	*	58	92	8	4000	St.Cu	10	-	10	1
Pembroke (St.Ann's H.)	1019.5	0	NE	3	o	54	85	8	7250	St.	4	A.St.	9	*
Ross-on-Wye	1020.4	-1	NNE	3	od.	52	85	7	2500	Nb	10	-	10	*
Benson	1019.2	+2	NNE	4	o	51	85	7	-	St.Cu	10	-	10	*
S. Farnborough ...	1018.9	0	NNE	3	o	52	85	8	1500	St.Cu	10	-	10	*
London (KEW OBS)	1019.0	+1	NNE	3	o	53	85	7	1500	St.Cu	10	-	10	*
Croydon	1018.9	0	N	4	o	51	92	7	1500	St.	10	-	10	*
Clacton-on-Sea ...	1017.8	0	N	3	c	53	92	7	2500	Nb	5	A.Cu	8	0
Shoeburyness	1018.3	0	NW	3	o	53	85	7	1500	Cu	7	A.St.	10	*
Grain	1018.2	0	NW	3	Lo	54	85	8	2500	St.Cu	10	-	10	0
Lympne	1016.5	0	N	5	o	53	92	8	800	St.	10	-	10	*
Scilly (St. Mary's) ...	1018.0	0	ENE	2	c	55	97	7	1500	St.	10	-	10	*
Falmouth	1017.2	+1	N	2	ffo	57	85	6	2500	St.	10	-	10	*
Plymouth	1017.5	0	NE	2	o	57	85	8	2500	St.	10	-	7	3
Portland Bill	1017.0	0	NE	4	c-	57	85	8	1500	St.Cu	7	Ci.	7	0
Calshot	1017.6	-1	N	4	c	56	85	8	3750	St.Cu	4	~~A.Cu~~	5	4
Dungeness	1016.7	0	NE	4	bc	56	92	9	3750	St.Cu	4	A.Cu	10	3
Jersey (Guernsey Ib.)	1015.3	0	ENE	4	o	57	85	7	1500	St.	10	-		

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 4TH JUNE

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 17h.-9h. 3RD-4TH mm.	Rainfall.† Day 9h.-17h. 4TH mm.	Sunshine. Sunrise to 17h. 4TH hr.	Sunshine. Sunrise to Sunset. 3RD hr.
Banff	c. bc	b. bc	65	47	-	-	10.0	8.6
Montrose	b	b	59	43	-	-	11.0	15.5
Llandudno	o	o	54	52	0.2	1	0.0	14.3
Colwyn Bay ...	d. bc	bc.2. bc	54	51	-	-	0.0	14.4
Rhyl	pc	cp	54	51	0.4	0.6	0.1	14.9
Southport	or. o	o	59	49	1	0.2	0.0	15.2
Blackpool	po	po	60	47	1	-	0.0	14.8
Harrogate	o	or. o	55	47	-	1	0.3	15.5
Skegness	o	or	56	52	1	0.3	0.0	10.8
Aberystwyth ...	o.c	c.o	60	54	-	-	0.0	11.0
Bath	o	o	63	52	1	-	0.0	3.4
Leamington Spa ..								
Lowestoft	bc.c	bc	59	56	1	-	9.1	2.2
Felixstowe	og	bc	64	52	2	-	2.6	1.5
Southend	o	o	66	50	1	-	0.3	3.5

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day. °F.	Temperature. Min. Night. °F.	Rainfall.† Night 17h.-9h. 3RD-4TH mm.	Rainfall.† Day 9h.-17h. 4TH mm.	Sunshine. Sunrise to 17h. 4TH hr.	Sunshine. Sunrise to Sunset. 3RD hr.
Paignton	o	o	62	52	trace	-	0.0	5.1
Ilfracombe	o	o	65	53	-	-	0.3	9.5
Bude	o	o	61	56	-	-	0.0	12.5
Penzance	o	o.c.o	63	54	-	-	0.2	12.4
Torquay	o.c	o	62	53	-	-	0.0	6.3
Weymouth	o.c	c.o	66	51	0.4	-	0.4	3.2
Bournemouth ..	o	o.c	65	51	1	-	0.8	2.2
Portsmouth (S'thesea)	c	c	70	54	-	-	4.3	2.6
Worthing	o. bc	bc.c.o	69	54	-	-	4.4	0.2
Brighton	c	c	71	54	-	-	5.3	0.4
Eastbourne .. .	*	*	70	54	-	-	3.2	0.4
Hastings	o.c	bc.c.o	68	53	trace	-	3.0	0.0
Folkestone	o.c	o.c	64	51	-	-	3.8	0.2
Tunbridge Wells ...	o	o	65	52	-	-	0.1	0.0
Ramsgate	o	o	58	51	2	-	1.4	1.7
Margate	o	o.c.b	60	53	0.2	-	0.8	0.3
Deal	o.c	bc.c	62	52	1	-	1.3	

* 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 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.21746 MONDAY 6th JUNE 1921.

STATIONS.	Observations at 1300 G.M.T. 5														Observations at 1800 G.M.T. 5													
	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	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	1027.5	0	E	2	b	52	75	8	-	-	-	Ci Cu	3	*	1027.3	0	NE	2	b	50	75	8	-	-	0	-	0	1
Stornoway	1028.5	0	ENE	2	o-	59	85	8	4000	Cu	2	A St	9	*	1029.8	-1	E	2	b-	56	85	9	4000	Cu	3	-	3	1
Wick	1028.3	+3	NE	1	bc/f	49	92	9	5750	Cu	4	-	4	*	1027.8	-1	E	1	bv	50	85	9	-	-	0	-	0	0
Castlebay	1026.8	+1	NNE	3	bv	64	75	9	-	-	0	-	0	*	1026.6	0	NE	5	bv	64	65	9	-	-	0	-	0	3
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1027.1	*	E	1	bc	52	*	*	*	*	*	*	*	*
Aberdeen	1027.8	+2	ENE	4	b	55	75	8	1500	St.	2	-	2	*	1027.4	-1	ENE	3	b	53	75	8	-	-	0	-	0	3
Malin Head	1025.4	+1	NE	1	c	55	97	1	450	St.	8	-	8	*	1024.7	0	NE	1	bv	59	85	9	-	-	0	Ci.	1	0
Renfrew	1026.1	+1	ENE	4	o	66	65	8	2500	St Cu	9	-	9	*	1025.9	0	ENE	3	c	61	75	8	5750	St Cu	7	-	7	*
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1027.0	*	S	1	c-	55	75	8	*	St Cu	8	-	8	*
Eskdalemuir	1025.8	+2	ENE	5	o	58	85	8	1500	St	10	-	10	*	1025.4	0	NE	4	b	56	65	8	4000	St	1	-	1	*
Tynemouth	1025.5	+2	NNE	3	cd.	54	92	7	1500	St.	4	A St.	8	*	1025.2	0	NNE	4	bc-	52	85	8	2500	Cu	4	-	4	4
Blacksod Point	1025.4	0	N	3	bc	56	97	7	1500	St.	6	-	6	*														
Donaghadee	1024.6	+1	NE	1	b	61	75	8	-	-	-	A Cu	3	*	1024.4	0	NE	1	c-	62	65	8	4000	St Cu	8	-	8	0
Birr Castle	1022.5	*	E	2	c-	66	65	7	-	-	0	A Cu	7	*	1022.0	*	E	2	c	62	75	7	1500	Cu	7	-	7	*
Baldonnell	1023.6	0	NE	4	o	58	75	7	2500	St Cu	10	-	10	*	1023.2	0	NE	4	o	58	75	8	?	St	2	A Cu	9	*
Holyhead	1022.4	+1	ENE	5	b	59	75	8	-	-	-	A Cu	3	*	1021.7	-1	ENE	6	b	61	75	8	-	-	0	A St	1	6
Liverpool (Bidston)	1021.7	-1	E	3	b	66	45	8	-	-	-	A Cu	1	*	1022.2	-1	ENE	5	c+	61	65	8	1500	Cu Nb	5	A St	7	4
Manchester (Alex.Pk.)	1022.4	0	NE	5	bc+	64	55	8	800	St.	5	-	5	*	1022.6	0	ENE	3	c-	59	65	9	2500	St Cu	8	-	8	*
Howden	1022.9	+1	NNE	5	c-	61	85	8	2500	St Cu	6	A St	8	*	1022.9	0	NNE	4	b-	58	85	8	4000	Cu	1	A St	2	*
Spurn Head	1021.1	0	NNE	5	o	56	76	8	-	-	-	A St	10	*	1022.5	+1	NNE	6	bc	54	85	8	4000	Cu	5	-	5	2
Nottingham	1021.6	*	E	4	bc	65	65	6	4000	Cu	5	-	5	*	1021.5	*	E	4	b-	60	75	6	-	-	0	A Cu	3	*
Cranwell	1022.1	+2	NNE	5	bc	62	75	8	2500	St Cu	6	-	6	*	1023.3	0	NNE	4	bc-	56	75	9	800	Cu	4	Ci St	5	*
Gorleston	1018.9	+1	NE	6	o	56	85	7	2500	Nb	10	-	10	*	1018.9	-1	NNE	6	bc-	55	85	8	-	-	0	A Cu	6	4
Pulham	1019.2	+1	NNE	4	c	60	75	8	2500	St Cu	4	A St	8	*	1019.3	0	NNE	4	c	56	75	8	2500	St Cu	3	Ci	8	-
Felixstowe	1018.9	0	NNE	4	o	63	65	8	7250	St Cu	10	-	10	*	1018.7	0	N	5	c-	54	85	8	1500	St	4	A Cu	7	2
Valencia (Cahirciveen)	1021.6	0	NNE	3	o/r.	64	75	8	2500	St Cu	6	A Cu	9	*	1020.8	-1	NNE	3	c-	65	65	8	5750	St Cu	5	Ci Cu	8	0
Roches Point	1021.7	0	E	3	o-	62	85	8	4000	St Cu	8	A Cu	9	*	1021.2	0	ESE	2	c-	60	85	8	-	-	0	A Cu	8	0
Pembroke (St. Ann's H.)	1019.7	0	ENE	3	c	61	85	8	5750	St Cu	7	-	7	*	1019.3	-1	SE	1	c	59	85	8	5700	St Cu	7	Ci Cu	8	1
Ross-on-Wye	1020.0	-1	NE	4	bc	65	85	6	-	-	-	Ci Cu	4	*	1019.4	-1	E	5	c+	63	65	9	4000	St Cu	2	Ci	7	*
Benson	1019.1	+1	NE	4	c-	67	55	8	*	-	0	Ci St	7	*	1019.3	-1	NE	4	o+	59	75	7	*	St Cu	7	Ci	9	*
S. Farnborough	1018.8	0	ENE	4	o	61	65	8	2500	St Cu	10	-	10	*	1018.1	0	NE	4	c	61	75	8	2500	St Cu	7	A St	10	*
London (Kew Obs.)	1018.9	-1	NNE	3	o-	63	65	8	-	-	-	A Cu	9	*	1018.4	+1	NE	4	o	61	65	8	1500	St Cu	9	Ci St	10	*
Croydon	1019.0	-1	N	4	o	62	65	8	1500	St.	8	A St	10	*	1018.4	0	NNE	4	o	61	75	9	1500	St	9	A St	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1018.3	-1	NNE	4	c	58	85	7	2500	Cu	5	A Cu	7	0
Shoeburyness	1018.6	+2	NNE	4	c-	64	65	7	2500	Cu	8	-	8	*	1018.1	-1	NE	5	c-	59	75	8	4000	Cu	4	A St	7	*
Grain	1018.6	0	NNE	3	o	62	65	8	2500	St Cu	10	-	10	*	1017.9	-1	N	4	o-	59	75	8	2500	St Cu	7	A St	9	3
Lympne	1017.7	+1	N	5	o	56	85	8	1500	St.	10	-	10	*	1017.2	-1	NNE	6	c/r	55	92	8	800	St	10	-	10	*
Scilly (St. Mary's)	1017.5	0	E	1	o	59	97	7	<150	St.	10	-	10	*	1018.1	0	E	1	o	59	92	8	1500	St	10	-	10	1
Falmouth	1017.8	0	ENE	3	cf-	66	65	7	<150	St.	7	-	7	*	1017.3	0	ENE	2	c	62	65	7	-	St	4	A Cu	7	*
Plymouth	1017.3	0	NNE	1	o-	67	65	8	4000	St	10	-	10	*	1017.3	0	-	0	o	61	65	8	4000	St Cu	10	-	10	*
Portland Bill	1017.6	+1	NE	4	bc	60	85	8	-	-	-	A Cu	4	*	1017.6	+1	NE	4	bc-	60	85	8	-	-	0	A Cu	4	3
Calshot	1018.6	0	N	3	o	62	75	8	7250	St Cu	10	-	10	*	1017.4	-1	N	4	o	64	75	8	1500	St	1	A St	10	0
Dungeness	1017.8	+1	NNE	4	c	59	92	8	5750	St Cu	5	A Cu	7	*	1016.7	-1	NE	5	c/r	54	92	7	850	St	10	-	10	5
Jersey	1016.1	0	NE	5	o	60	75	8	2500	St Cu	10	-	10	*	1015.7	0	NE	5	c-	59	75	8	-	-	0	Ci Cu	7	3

LONDON OBSERVATIONS.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. Day mm	Rainfall. Night mm	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 HOURS ENDED 0900 G.M.T. 6								YESTERDAY.		TO-DAY.
Kew } 24 hours ended 0700	oo	oo	b.bcco	*	*	45	-	-	0.8	*	*
Croydon } 24 hours ended 0700	oo	qo	obccq	*	*	47	-	-	*	*	*
Greenwich (Royal Obsy.)	o⊕	o	o.b.bco	67	47	44	-	-	0.6	?	?
City (Bunhill Row)	*	*	*	*	*	*	*	*	0.5	*	*
Westminster (St. James' Pk.)	*	*	*	67	48	44	-	-	1.5	62	74
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	*	1.1	*	-
Camden Sq. (Brit. Rainfall)	-	-	*	71	47	46	-	-	*	?	69
Kensington Palace	oc	o	*	69	47	44	-	-	*	70 (8h)	80
Hampstead Observatory	*	*	*	66	45	*	-	-		*	81

ATMOSPHERIC POLLUTION. Lbs. of Solid impurity per million cubic yards.

24 Hr. ended 1600 G.M.T. 5

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.

SOLAR RADIATION. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total 147 joules

Average Rate 25.0 Milliwatts.

Maximum Rate 94 Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 5 21 h 30 m. to 6 02 h 30 m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	5·0	2·36	52
δ Ursae Minoris	5·0	1·36	32

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

6th JUNE 1921.

STATIONS	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	3.34	11.51	8.9
	3.33	11.51	8.10
Greenwich	3.47	11.58	8.9
	3.46	11.58	8.10
Wick	3.12	12.10	9.9
	3.11	12.10	9.10
Valencia	4.25	12.39	8.54
	4.24	12.39	8.55

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.
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"; bc = cloud 0-5; co = cloud 6-10.

Capital letters indicate intensity, and repetition of letters continuity, thus:—
R = heavy rain.
rr = continuous moderate rain.
$r_o r_o$ = continuous light rain.

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

SEA DISTURBANCE.

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

Beaufort No.	Statute miles per hour.	Metres per second.
0	Less than 1.	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

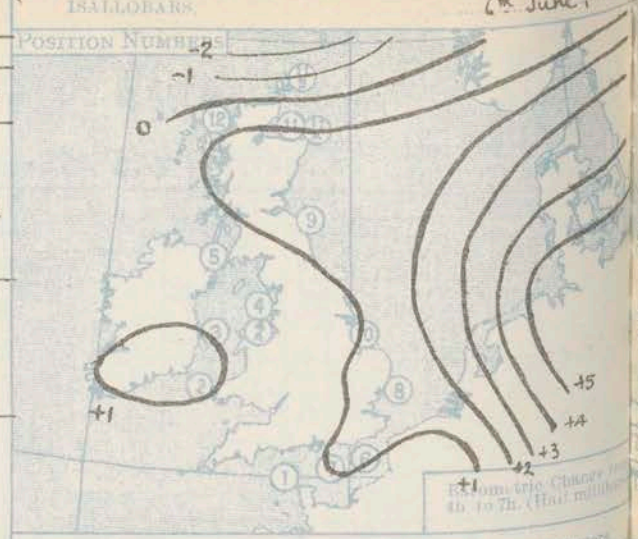
* Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 5	13h.-18h. 5	18h. 5 to 1h. 6	1h.-7h. 6	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h.	Night. 18h.-7h.	Precipitation began.	SUN. Hours.
Lerwick	b or bc m	b or bc	b or bc	b or bc	? 52	41	•	-	-	-	•
Stornoway	oo	c	b or bc	b or bc	59	50	•	-	-	-	3.8
Wick	f or m	b or bc	b or bc	b or bc	51	44	•	-	-	-	•
Castlebay	b	b	b	b	65	55	•	-	-	-	15.6
Nairn	cg	cg bc	bcw		58	37	•	-	-	*	3.5
Aberdeen	od mb	b or bc	b or bc		57	39	35	0.1	-	11.00	7.9
Malin Head	FF	FF	cv	b or bc	59	54	•	—	—	—	9.3
Renfrew	c	c	b or bc	c	68	47	41	•			9.4
Leith	*	b or bc	c		61	44	35	•	-	•	•
Eskdalemuir	oo	o.c.bc.b	b or bc	b or bc	59	37	29	-	-	-	6.0
Tynemouth	c id	c id	b or bc	b or bc	54	49	•	trace	-	•	•
Blacksod Point ...	c		b or bc	b or bc	?	?	•	c	-	-	•
Donaghadee	bc	bv	bv	bc	64	48	•	-	-	-	•
Birr Castle	c	c	c b c b	b	67	49	39	-	-	-	5.5
Baldonnell	oo	oo	b or bc	b or bc	62	45	38	-	-	-	1.7
Holyhead	c bc	b or bc	b or bc	b or bc	62	47	41	-	-	-	8.2
Liverpool (Bidston) ...	oc b	b or bc	b or bc		68	44	39	-	-	-	7.6
Manchester (Alex. Pk.)	b or bc	oo	1m		66	47	37	-	-		•
Howden	c	c	b or bc	b or bc	65	40	30	-	-	-	11.6
Spurn Head	oo	c	b or bc	b or bc	56	48	•	-	-	-	•
Nottingham	b or bc	b or bc	c		65	45	40	-	-	-	10.3
Cranwell	c	c	b or bc	b or bc	63	43	34	-	-	-	9.8
Gorleston	oqoqu	oqu.e	bc bcq	bc bcq	58	52	40	-	-	-	4.0
Pulham	c	c	b or bc	c	63	46	42	-	•	-	6.4
Felixstowe	oo	oo		oo	64	46	?	•	-	-	2.4
Valencia (Cahirciveen)	c	c	r or d	b or bc	67	52	44	trace	-	-	2.7
Roches Point	p	oo	b or bc		65	54	•	0.1	-	-	•
Pembroke (St. Ann's H.)	c	c	c	b or bc	65	55	•	-	-	-	5.2
Ross-on-Wye	r o c bc	by. byc.	bc o c b	bc c o q	70	45	41	•	-	-	8.2
Benson	c	c	oo		68	47	42	•	-	-	•
S. Farnborough ...	oo	oo	oo		60	51	43	-	-	-	0.5
London (Kew Obs.) ...	oo	oo	b. bc oo	oo	67	48	45	-	-	-	0.8
Croydon	oo	oo	o bc c q	oq	66	48	47	•	-	-	•
Clacton-on-Sea ...	s	c	c bc	bc c o g	66	47	43	-	-	-	2.7
Shoeburyness	c	c	c		66	46	43	•	-	-	0.6
Grain	oo	oo	oo		63	48	43	•	-	-	0.5
Lympne	oq	oq p.p.	co r	coq	56	49	46	trace	trace	2400	0.3
Scilly (St. Mary's) ...	oo	oo	c	c	61	53	•	-	-	-	0.0
Falmouth	obccznm	c	co	cop	67	53	52	-	0.5	-	2.4
Plymouth	b or bc	c	oo	oo	69	51	48	0.5	-	-	4.3
Portland Bill	b or bc	b or bc	c	c	62	46	•	-	0.3	-	•
Calshot	oo	oo	c	c	66	49	47	-	trace	0330	2.8
Dungeness	p	p	cr	cr	59	53	•	trace	0.1	2100	0
Jersey	o.c.o	o.c.o.c	o	o	63	54	•	•	-	-	1.5

ISALLOBARS. 6th June.



Temperature reported from Cross Channel and Coastal Steamers

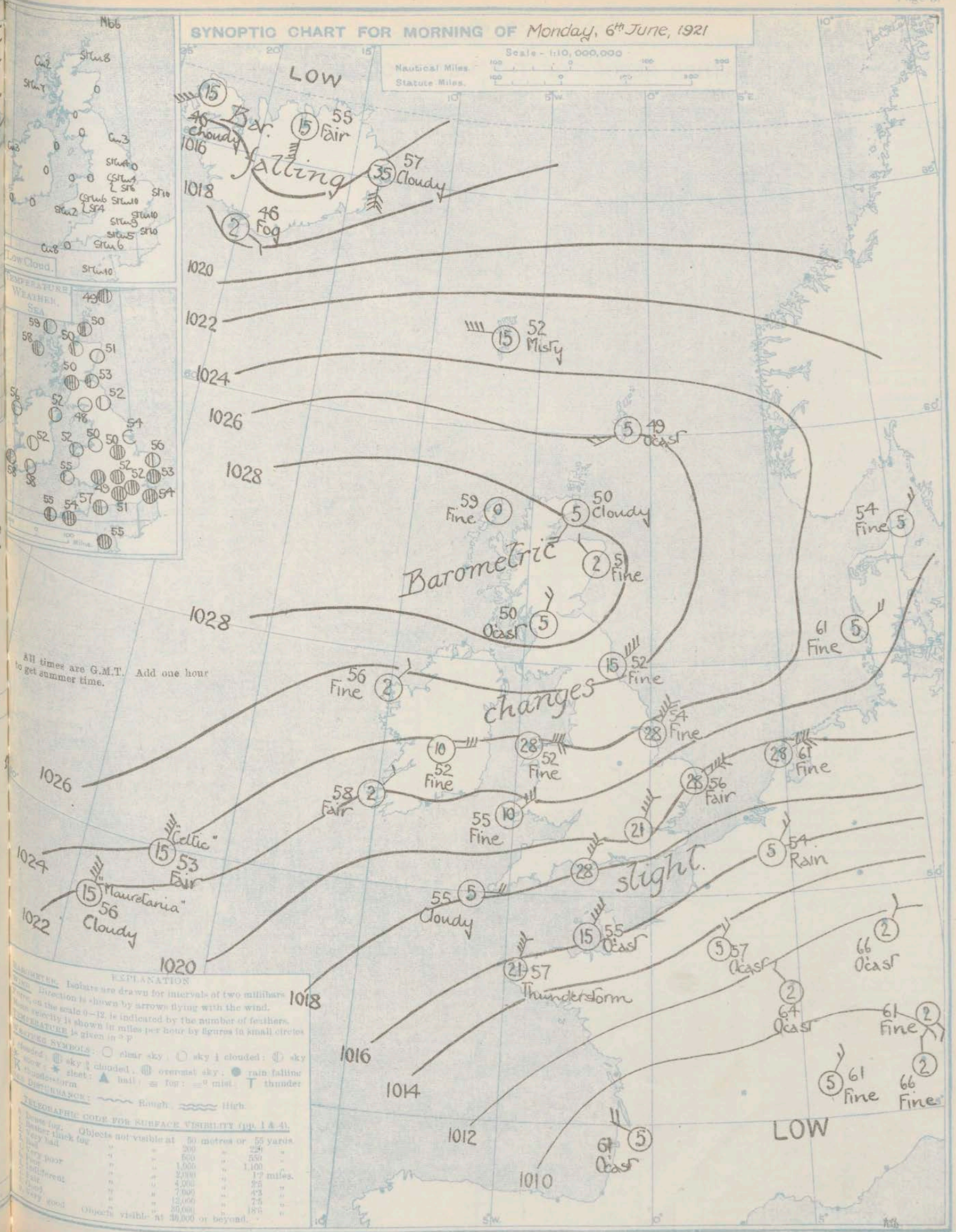
Position Number	3	8	6																					
Date	5th	5th	6th																					
Time G.M.T.	1015	0945	0210																					
Sea °F	50	54	54																					
Air °F	53	56	52																					

GENERAL INFERENCE.

The anticyclone over Scotland will cause fair weather generally with light indefinite breezes in Scotland and Easterly winds over England and Ireland. Fair weather is likely to continue for several days.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Monday 6th June, 1921.	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	Moderate to fresh North-East to East winds; varying amount of cloud, bright periods; visibility mainly good; becoming warmer.	Fair generally several days.
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind light and indefinite; fair to fine; visibility mainly good; becoming somewhat warmer.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Moderate Easterly winds; fine; visibility mainly good; rather high day temperature.	

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


SYNOPTIC CHART FOR MORNING OF Monday, 6th June, 1921
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
LOW
Bar. falling
15 46 Cloudy
15 55 Fair
35 57 Cloudy
2 46 Fog
15 52 Misty
5 49 O'cast
59 Fine 0
5 50 Cloudy
2 5 Fine
Barometric changes slight.
50 O'cast 5
15 52 Fine
56 Fine 2
10 52 Fine
28 52 Fine
28 54 Fine
28 61 Fine
58 Fair 2
55 Fine 10
28 56 Fair
21
5 54 Rain
15 "Celtic" 53 Fair
15 "Mauretania" 56 Cloudy
55 Cloudy 5
28
15 55 O'cast
21 57 Thunderstorm
5 57 O'cast
2 64 O'cast
2 66 O'cast
61 Fine 2
5 61 Fine
2 66 Fine
5 61 O'cast
LOW
1026
1024
1022
1020
1018
1016
1014
1012
1010
1028
1028
1026
1024
1022
1020
1018
1016
1014
1012
1010
All times are G.M.T. Add one hour to get summer time.
Low Cloud.
Temperature Weather. Sea
EXPLANATION
BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Direction is shown by arrows flying with the wind. Force, on the scale 0–12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in °F.
WEATHER SYMBOLS: clear sky; sky ¼ clouded; sky ½ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
SEA DISTURBANCE: Rough; High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY (pp. 1 & 4).
0. Dense fog. Objects not visible at 50 metres or 55 yards.
1. Thicker than fog " " 200 " 220 "
2. Very bad " " 500 " 550 "
3. Very poor " " 1,000 " 1,100 "
4. Poor " " 2,000 " 1·2 miles.
5. Indifferent " " 4,000 " 2·5 "
6. Fair " " 7,000 " 4·3 "
7. Good " " 12,000 " 7·5 "
8. Very good Objects visible at 30,000 or beyond. " 18·6 "

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. MONDAY 6th JUNE 1921. No. 157

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	1028.5	-2	-	0	b	43	85	8	-	-	0	-	0	*
Stornoway	1029.4	0	NE	1	b	*	*	*	*	*	*	*	*	*
Wick	1027.6	0	SSE	1	b	49	92	8	-	-	0	-	0	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1025.7	0	SE	2	0+	57	85	8	7250	St.Cu	10	-	10	*
Renfrew	1028.1	+1	-	0	b	46	97	8	4000	St.Cu	1	-	1	*
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1027.7	+1	N'E	4	bc+	41	92	7	2500	St.Cu	4	-	4	*
Tynemouth	1026.6	+1	NNE	4	bc	50	92	8	2500	Cu	4	-	4	*
Blacksod Point ...	1023.8	+3	NE	1	bc	58	97	7	-	Cu	5	-	5	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1023.9	0	NE'E	1	b	50	92	7	-	-	0	-	0	*
Holyhead	1023.6	+1	ENE	5	b	*	*	8	-	-	0	-	0	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1024.8	0	N	3	b	44	97	6	2500	St	1	-	1	*
Spurn Head	1023.2	0	NNE	6	b	50	75	8	-	-	0	-	0	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1023.7	0	N'E	4	b+	44	97	8	2500	St.Cu	1	-	1	*
Gorleston	1019.3	0	NNE	6	b	52	85	8	2500	St	4	-	4	*
Pulham	1020.1	0	NNE	3	b	48	92	7	-	-	0	-	0	*
Felixstowe	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Valencia (Cahirciveen)	1022.1	+1	-	0	b	58	*	*	*	*	*	*	*	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St.Ann's H.)	1021.0	+1	ENE	2	b	56	92	8	-	?	?	?	2	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (KEW OBS.)	1019.9	0	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	1020.3	0	NE'N	6	c+	49	85	7	1500	St	6	C.St	8	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1017.5	-1	NE'N	5	c/r	52	92	8	1500	St	7	-	7	*
Scilly (St. Mary's) ...	1018.3	0	N'E	1	c	55	97	8	1500	St.Cu	8	-	8	*
Falmouth														*
Plymouth	1018.1	+1	ENE	3	0	58	75	8	2500	St.Cu	9	A.St	10	*
Portland Bill	1019.6	+1	NE	5	c/r	59	85	8	1500	St.Cu	7	-	7	*
Calshot	1019.1	0	NNE	3	b-	51	85	8	1500	St	2	-	2	*
Dungeness	1017.2	+1	NNE	6	0+	52	85	9	5750	Nb	9	-	9	*
Jersey (Guernsey Th.)	1016.5	0	NE	4	0	55	85	6	2500	St	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	1026.0	-2	SW	2	0	49	85	8	-	Nb	6	A.Cu	10	1
Stornoway	1028.1	+1	-	0	b	59	75	8	4000	Cu	2	Ci	3	0
Wick	1027.5	0	SSW	2	c+	50	92	8	5750	St.Cu	8	-	8	0
Castlebay	?	+1	-	0	c-	58	85	7	-	St.Cu	7	-	7	1
Nairn	1027.6	*	-	0	bc	50	*	*	*	*	*	*	*	0
Aberdeen	1029.0	+1	NW	1	b	51	75	8	-	-	0	-	0	0
Malin Head	1025.7	0	ESE	3	b	55	85	8	-	-	0	-	0	0
Renfrew	1028.2	0	NNE	2	c	50	85	5	-	-	0	Ci	7	*
Leith	1028.1	+1	ENE	2	bc-	53	75	8	-	Cu	4	-	4	4
Eskdalemuir	1027.8	0	NNE	3	b	48	75	8	-	-	0	-	0	*
Tynemouth	1026.9	0	NE	4	b	52	85	8	2500	Cu	3	-	3	+
Blacksod Point ...	1024.3	0	NE	1	b	56	97	8	-	Cu	3	-	3	1
Donaghadee	1026.0	0	ENE	2	b-	52	65	8	-	-	0	Ci	1	0
Birr Castle	1023.9	*	E	3	b-	52	85	7	4000	Cu	1	-	1	*
Baldonnell	1024.7	0	ENE	4	b	52	75	8	-	-	0	*	0	*
Holyhead	1023.6	0	E	6	b	52	75	8	-	-	0	A.St	1	5
Liverpool (Bidston) ...	1024.4	0	NE'N	1	b	50	65	7	-	-	0	-	0	1
Manchester (Alex.Pk.)	1024.0	0	ENE	5	b	54	65	6	-	-	0	-	0	*
Howden	1024.5	0	NNE	5	bc+	53	92	7	4000	St.Cu	4	-	4	*
Spurn Head	1023.2	0	NNE	6	b	54	55	8	-	-	0	-	0	4
Nottingham	1023.6	*	NE	3	0+	50	85	5	2500	Nb	7	A.St	10	*
Cranwell	1023.4	+1	NE'N	4	0	51	92	8	1500	St	10	-	10	*
Gorleston	1019.3	0	NE	6	bc	56	85	7	4000	Cu	4	-	4	*
Pulham	1020.5	0	NNE	4	0-	56	85	7	1500	St	9	-	9	*
Felixstowe	1019.9	+1	N'E	4	0	55	85	7	800	St	10	-	10	3
Valencia (Cahirciveen)	1022.0	+1	NE	1	bc	58	75	8	-	-	0	Ci	4	0
Roches Point	1022.2	+1	NE	3	b+	58	75	8	-	-	0	Ci.Cu	2	0
Pembroke (St.Ann's H.)	1021.0	+1	ENE	3	b	55	65	9	5750	St.Cu	2	-	2	0
Ross-on-Wye	1022.2	0	ENE	5	0	49	75	7	2500	St.Cu	10	-	10	*
Benson...	1020.7	+1	NE	4	0	51	85	7	-	St.Cu	10	-	10	*
S. Farnborough ...	1019.6	0	ENE	4	0-	51	75	8	2500	St.Cu	9	-	9	*
London (KEW OBS.)	1020.2	+1	NE	4	0	52	75	7	1500	St.Cu	10	-	10	*
Croydon	1020.2	0	NE'N	6	0+	50	85	7	1500	St	10	-	10	*
Clacton-on-Sea ...	1019.4	+1	NNE	3	0+	53	92	6	4000	St	10	-	10	0
Shoeburyness	1019.4	0	NE	2	0	53	85	6	800	St	10	-	10	*
Grain	1019.4	0	N'E	5	0	53	85	7	2500	St	10	-	10	3
Lympne	1018.1	+1	NNE	5	0	52	92	7	800	St	10	-	10	*
Scilly (St. Mary's) ...	1018.3	0	E	2	c	55	97	8	4000	Cu	8	-	8	2
Falmouth	1018.5	0	NE	4	0	54	65	8	-	-	0	A.St	9	*
Plymouth	1018.4	0	E	3	0	52	65	8	5750	St.Cu	10	-	10	*
Portland Bill	1017.6	0	NE	6	bc	57	85	8	1500	St.Cu	6	-	6	4
Calshot	1019.3	+1	NE'N	5	c+	53	75	8	2500	St.Cu	5	Ci.Cu	7	3
Dungeness	1017.7	-1	NE	6	0+	54	85	7	450	St	10	-	10	5
Jersey (Guernsey Th.)	1016.1	0	NE	4	0	55	75	8	2500	St.Cu	10	-	10	3

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

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 17h.-9h. 4-5 mm.	Rainfall.† Day 9h.-17h. 5 mm.	Sunshine. Sunrise to 17h. 5 hr.	Sunshine. Sunrise to Sunset. 4 hr.
Banff	dm.0	o.c.bc.b	54	49	0.1	0.1	3.8	11.4
Montrose	c.bc.b	b	59	45	-	-	3.0	13.8
Llandudno	o.c.b	b	64	53	0.1	-	6.4	0.0
Colwyn Bay ...	b	b	62	52	-	-	5.4	0.0
Rhyl...	c.bc	bc	68	52	-	-	6.0	0.1
Southport	bc	bc.c	?	51	0.2	?	8.1	?
Blackpool	c	c	64	56	-	-	7.0	0.0
Harrogate	c	c	60	48	-	-	3.8	0.3
Skegness	r.bc.c.o	o.c.o	58	50	-	-	4.1	0.0
Aberystwyth ...	r.o.c	b.bc	41	54	1	-	3.0	0.0
Bath	o.c	c.bc	69	53	-	-	3.2	0.0
Leamington Spa ...	c.b.bc	bc.c.b	68	50	2	-	7.0	0.0
Lowestoft	bc.c.o	o.c.bc	59	51	-	-	3.5	10.4
Felixstowe	og	o	64	51	-	-	1.5	3.2
Southend	o	o	66	50	-	-	0.9	0.3

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day. °F.	Temperature. Min. Night. °F.	Rainfall.† Night 17h.-9h. 4-5 mm.	Rainfall.† Day 9h.-17h. 5 mm.	Sunshine. Sunrise to 17h. 5	Sunshine. Sunrise to Sunset. 4
Paignton	o.bc.o	ot.c	66	54	-	trace	1.8	0.0
Ilfracombe	o	o.c.o	63	54	-	-	1.1	0.3
Bude	o	o	68	55	-	-	1.1	0.0
Penzance	o.c	c.o.c	64	55	-	-	0.2	0.2
Torquay	c	c.bc.c.o	66	54	-	-	3.4	0.0
Weymouth	c	c.o	70	54	-	-	2.1	1.5
Bournemouth ...	o.c	o	66	54	trace	-	3.0	3.0
Portsmouth (S'thesea)	.*	*	65	53	-	-	2.4	4.9
Worthing	c.o	o	63	54	-	-	0.4	4.4
Brighton	o	or	62	52	-	-	0.2	5.3
Eastbourne ...	.*	.*	61	52	-	1	0.1	3.2
Hastings	o	or.o	62	52	-	1	0.0	5.0
Folkestone	o	o	62	49	-	-	0.9	0.1
Tunbridge Wells ...								
Ramsgate	o	o	56	52	-	-	0.0	1.3
Margate	o	o	54	53	-	trace	0.0	1.3
Deal								

* 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.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B21747 TUESDAY, 7TH JUNE 1921. 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	Upper Form.	Total Amt. 0-10	Sea 0-9
Lerwick	1025.8	0	WSW	3	o/f	52	97	5	800	St	10	-	10	*
Stornoway	1027.8	0	S	2	bc-	59	75	8	4000	Cu	3	aSt	4	*
Wick	1026.8	0	SSW	3	bc-	53	92	9	-	-	-	aCu	6	*
Castlebay	1027.3	0	W	2	bc	61	75	6	5750	Cu	2	aSt	5	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1028.3	0	SE	3	b	60	65	8	-	-	-	-	-	*
Malin Head	1025.7	0	E	2	bv	56	92	9	-	-	0	-	0	*
Renfrew	1027.1	-1	NE	2	bc+	66	35	8	-	-	-	CiSt	5	*
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1026.2	0	ENE	3	b-	65	35	8	-	-	-	CiSt	2	*
Tynemouth	1027.4	0	E	3	bc+	55	85	8	2500	Cu	4	-	4	*
Blacksod Point	1023.6	-1	NE	1	b-	66	92	9	-	-	-	-	-	*
Donaghadee	1025.9	-1	NNE	2	b-	59	65	8	-	-	-	-	-	*
Birr Castle	1022.6	*	E	2	b	67	53	7	4000	Cu	1	-	1	*
Baldonnell	1024.4	-1	NE'E	4	b	60	55	8	-	-	-	aSt	2	*
Holyhead	1023.5	-1	NE	6	b.	59	65	8	-	-	-	aCu	3	*
Liverpool (Bidston)	1023.0	-1	E'N	4	b+	66	55	7	5750	StCu	2	-	2	*
Manchester (Alex. Pk.)	1023.5	-1	ENE	6	bc	68	55	8	2500	Cu	3	Ci	5	*
Howden	1025.3	0	NE'E	5	b	64	75	8	4000	Cu	1	CiSt	2	*
Spurn Head	1025.4	+2	NNE	6	b	59	75	7	-	-	-	-	-	*
Nottingham	1023.3	*	NE	4	b-	65	55	6	4000	Cu	1	Ci	3	*
Cranwell	1023.7	0	NE	5	b-	65	65	8	-	-	-	Ci	2	*
Gorleston	1022.3	+1	ENE	5	b-	63	75	8	-	-	-	CiCu	1	*
Pulham	1021.4	0	NE'E	5	b	68	45	9	-	-	-	CiSt	2	*
Felixstowe	1020.9	0	NE	6	b	64	55	9	-	-	-	Ci	2	*
Valencia (Cahirciveen)	1021.3	-2	NE'N	2	b-	70	55	8	4000	Cu	1	-	1	*
Roches Point	1022.1	-1	E	2	b-	62	75	8	-	-	-	Ci	1	*
Pembroke (St. Ann's H.)	1020.6	-1	ENE	3	b-	60	85	8	-	-	-	CiSt	2	*
Ross-on-Wye	1020.8	-3	NE'E	5	bc-	65	55	8	4000	Cu	3	CiSt	5	*
Benson	1019.3	-2	NE	4	c	75	45	8	-	-	-	CiSt	7	*
S. Farnborough	1018.7	-1	ENE	5	c+	71	45	8	-	-	-	CiSt	7	*
London (KEW OBS)	1019.4	-2	ENE	6	c⊕	69	35	9	-	-	-	Ci	7	*
Croydon	1019.0	-1	ENE	6	c⊕	70	45	9	-	-	-	Ci	7	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1020.3	+1	NE	7	bc-	65	65	7	-	-	-	Ci	4	*
Grain	1019.7	0	NE'E	6	bc+	63	75	8	-	-	-	Ci	6	*
Lympne	1018.1	0	NE	6	c⊕	63	65	9	-	-	-	CiSt	8	*
Scilly (St. Mary's)	1019.9	+1	NE'E	1	c	61	75	8	2500	St	4	aCu	7	*
Falmouth	1018.7	0	SE	4	bc-	61	65	8	-	-	-	aCu	4	*
Plymouth	1018.0	0	E	3	bc-	65	55	8	5750	Cu	4	-	4	*
Portland Bill	1017.6	0	NE	5	b-	61	85	8	-	-	-	CiCu	3	*
Calshot	1017.4	-3	NE'E	6	c	71	55	8	-	-	-	Ci	8	*
Dungeness	1016.9	-1	NE	6	b	64	55	8	-	-	-	Ci	3	*
Jersey	1015.7	0	NE	5	o	60	75	8	2500	StCu	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	Upper Form.	Total Amt. 0-10	Sea 0-9
Lerwick	1024.7	-2	SSW	2	fo	53	97	7	1500	Nb	10	-	10	1
Stornoway	1025.7	-2	E	3	b	60	85	8	-	-	-	-	-	1
Wick	1026.0	-1	-	0	b	57	85	9	-	-	-	-	-	0
Castlebay	1025.9	-1	NW	3	b+	61	75	7	-	-	-	aSt	1	2
Nairn	1025.2	*	E	2	bc	57	*	*	*	*	*	*	*	*
Aberdeen	1027.1	-2	S'E	2	b	57	45	8	-	-	-	-	-	0
Malin Head	1025.0	0	NE	2	b	56	92	8	-	-	0	-	0	1
Renfrew	1025.3	-1	ENE	4	b	66	35	8	-	-	-	Ci	1	*
Leith	1026.3	*	NE	3	b	56	65	9	-	-	-	-	-	*
Eskdalemuir	1025.2	-2	ENE	3	b+	62	45	8	-	-	-	CiSt	2	*
Tynemouth	1026.7	0	E	1	b	57	85	8	4000	Cu	2	-	2	1
Blacksod Point	1022.6	-2	NE	2	bv	63	97	9	-	-	-	-	-	1
Donaghadee	1024.1	-2	NNW	1	b-	60	65	8	-	-	-	aCu	3	0
Birr Castle	1022.7	*	E	2	bc+	66	55	7	-	-	-	CiCu	5	*
Baldonnell	1023.4	-2	NE'E	3	bv	61	55	9	-	-	0	CiSt	2	*
Holyhead	1022.4	-2	NE'N	5	c	60	75	8	-	-	-	CiSt	7	4
Liverpool (Bidston)	1022.5	0	E	4	b	66	45	7	-	-	-	Ci	2	4
Manchester (Alex. Pk.)	1022.9	0	ENE	5	c.	64	55	8	-	-	-	Ci	8	*
Howden	1024.0	0	NE'E	4	b-	59	85	8	-	-	-	CiSt	2	*
Spurn Head	1024.8	0	NNE	5	b	58	65	8	-	-	-	-	-	3
Nottingham	1023.0	*	ENE	4	b	61	65	6	-	-	-	Ci	3	*
Cranwell	1023.6	0	NE	4	b	61	75	8	-	-	-	Ci	2	*
Gorleston	1021.3	-1	ENE	6	b	59	85	8	-	-	-	CiCu	1	4
Pulham	1021.7	0	N'E	5	b	60	75	9	-	-	-	CiSt	1	*
Felixstowe	~~1020.7~~ 1020.4	-1	NNE	5	bv	59	75	9	-	-	-	Ci	2	6
Valencia (Cahirciveen)	1021.4	+1	SW	2	b	62	65	8	-	-	-	-	-	1
Roches Point	1022.4	0	E	3	b	64	65	8	-	-	-	Ci	1	3
Pembroke (St. Ann's H.)	1020.0	-1	WNW	2	b	60	75	8	-	-	-	CiSt	2	0
Ross-on-Wye	1019.6	-2	ENE	6	b	68	45	8	-	-	-	Ci	3	*
Benson	1018.9	-1	NE	4	cv	68	35	9	-	-	-	Ci	7	*
S. Farnborough	1017.9	0	E	4	bc-	66	45	8	-	-	-	Ci	6	*
London (KEW OBS)	1019.2	0	ENE	5	bc	67	35	9	-	-	-	CiSt	5	*
Croydon	1019.1	0	NE'E	6	cv	65	45	9	-	-	-	Ci	7	*
Clacton-on-Sea	1019.9	-1	NE	6	bc	61	75	7	-	-	-	Ci	5	0
Shoeburyness	1019.8	-1	NE	7	bc	59	75	7	4000	Cu	4	-	4	*
Grain	1019.6	0	NE	7	bc	60	75	8	-	-	-	Ci	6	6
Lympne	1018.0	0	NE	5	bc-	61	75	9	-	-	-	CiSt	5	*
Scilly (St. Mary's)	1019.8	0	NNE	1	bc-	58	75	7	-	-	-	aCu	5	1
Falmouth	1016.6	-4	NNE	2	c+	69	55	7	-	StCu	6	Ci	7	*
Plymouth	1016.5	-2	NE	1	bc	67	65	8	5750	StCu	6	-	6	*
Portland Bill	1016.6	-1	NE	4	b	61	85	8	-	-	-	CiCu	2	3
Calshot	1017.3	?	NE	7	bc	67	~~45~~ 55	8	-	-	-	CiCu	4	6
Dungeness	1016.9	0	NE	5	bc	62	75	8	-	-	-	Ci	5	5
Jersey	1014.2	-1	ENE	6	c+	63	75	8	2500	StCu	7	Ci	8	3

LONDON OBSERVATIONS. 24 HOURS ENDED 0900 G.M.T. 7th

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)
Kew	c	bcqy	b. bz	*	*	49	-	-	8.3	*	*
Croydon (24 hours ended 0700)	aq d.cy	cyv	cbcbyvbz	*	*	40	tr	-	*	*	*
Greenwich (Royal Obsy.)	bc	bcb	b	72	51	43	-	-	9.9	40	44
City (Bunhill Row)	*	*	*	*	*	*		*	9.4	*	*
Westminster (St. James' Pk.)	*	*	*						9.7		
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*		*	10.4	*	*
Camden Sq. (Brit. Rainfall)	b.bc	bc	*	77	51	47	-	-	*	33	48
Kensington Palace	bcc.	bc	*	75	52	47	-	-	*	35 (1814)	49
Hampstead Observatory	*	*	*	71	50	44	-	-		*	60

ATMOSPHERIC POLLUTION. Lbs. of Solid impurity per million cubic yards.

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

South Kensington Max.	Time.	Min.	Time.
0.2 lbs	18h 5th		
0.6 lbs	6h 6th	<0.2 lbs	1h 6th

Kew Observatory Max.	Time.	Min.	Time.
<½ lb	16h 5th to 16h 6th	<½ lb	16h 5th to 16h 6th

SOLAR RADIATION. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total 1896 joules

Average Rate 32.2 Milliwatts.

Maximum Rate 90 Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 21 h 30m. to 02 h 30m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	5 0	5 0	100
δ Ursae Minoris	5 0	5 0	100

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

7th & 8th June 1921.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.33 3.32	11.51 11.52	8.10 8.11
Greenwich	3.46 3.46	11.58 11.59	8.10 8.11
Wick	3.11 3.10	12.10 12.11	9.10 9.11
Valencia	4.24 4.24	12.39 12.40	8.55 8.56

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.
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"; bc = cloud 0-5; co = cloud 6-10.

Capital letters indicate intensity, 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, 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.	Metres per second.
0	Less than 1.	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

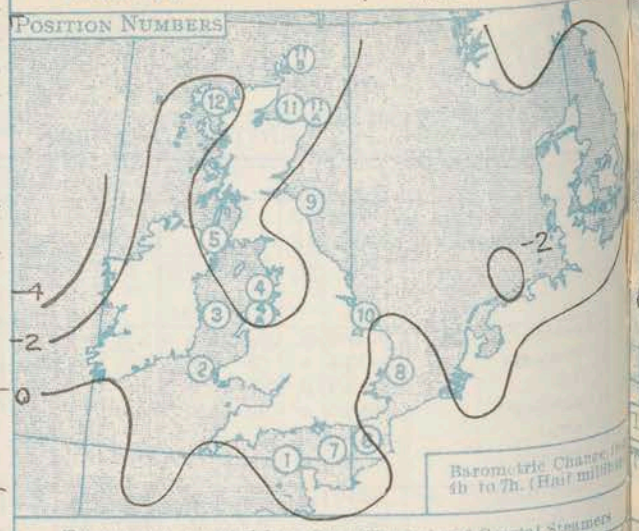
* Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 6th	13h.-18h. 6th	18h. 6th to 1h. 7th	1h.-7h. 7th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h.	Night. 18h.-7h.	Precipitation began.	SUN. Hours.
Lerwick	form	iF	iF	=	56	47	•	–	–	–	•
Stornoway	b or bc	c	f or m	f or m	66	47	•	–	–	–	16.1
Wick	c	b or bc	b or bc	b or bc	58	46	•	–	–	–	•
Castlebay	bc	bc.b	b	b	61	51	•	–	–	–	15.7
Nairn	bc	b.bcw	b	bcw	67	42	•	–	–	*	15.4
Aberdeen	b or bc	b or bc	b or bc		60	43	30	–	–	–	16.3
Malin Head	bv	bv	b or bc	b or bc	58	52	•	–	–	–	14.9
Renfrew	m. b. bc	b or bc	c	f or m	68	37	27	–	–	–	15.9
Leith	c	c	b or bc		61	48	41	–	–	–	•
Eskdalemuir	b or bc	b or bc	b or bc	b or bc	66	34	30	–	–	–	15.8
Tynemouth	b or bc	b or bc	b or bc	mo	58	43	•	–	–	–	•
Blacksod Point ...	b or bc	b or bc	b or bc	b or bc	65	48	•	–	–	–	•
Donaghadee	b	bm	bm	bc	61	50	•	–	–	–	•
Birr Castle	b	bc	b	bz	69	42	34	–	–	–	14.7
Baldonnell	b	b or bc	b or bc	b or bc	63	43	33	–	–	–	15.2
Holyhead	b or bc	bc.c	b or bc	b or bc	62	50	44	–	–	–	13.3
Liverpool (Bidston) ...	b or bc	b or bc	b or bc		69	44	40	–	–	–	14.2
Manchester (Alex.Pk.)	b or bc	c	b or bc		69	47	38	–	–	–	•
Howden	b or bc	b or bc	f or m	f or m	64	36	28	–	–	–	14.0
Spurn Head	b or bc	b or bc	b or bc	b or bc	59	49	•	–	–	–	•
Nottingham	c	b or bc	b or bc		66	47	43	–	–	–	11.2
Cranwell	c	b or bc	b or bc	b or bc	65	43	33	–	–	–	11.0
Gorleston	b or bc	b or bc.q	bq bq	b or bc	64	56	53	–	–	–	13.5
Pulham	b or bc	b or bc	b or bc	b or bc	69	43	39	–	–	–	13.9
Felixstowe	b or bc	b or bcq		b or bc	66	55	?	–	–	–	12.9
Valencia (Cahirciveen)	b or bc	b or bc	b or bc	b or bc	70	44	39	–	–	–	13.4
Roches Point	b or bc	b or bc	b or bc		67	53	•	–	–	–	•
Pembroke (St. Ann's H.)	b or bc	b or bc	b or bc	b or bc	67	51	•	–	–	–	13.3
Ross-on-Wye	o.c.bcq	bcqy	bcqvy	bbc	71	44	33	–	–	–	8.2
Benson...	c	c	b or bc		76	45	37	–	–	–	•
S. Farnborough ...	c	b or bc	b or bc		79	49	44	–	–	–	8.8
London (Kew Obs.)	c	bcqy	b b	b bz	72	53	49	–	–	–	8.3
Croydon	oqSoy	cyv	c bcbvy	b bc	72	48	40	trace	–	9.0	•
Clacton-on-Sea ...	o. bc. b	bc	bc		66	56	53	–	–	–	12.2
Shoeburyness	b or bc	b or bc	b or bc		66	55	50	–	–	–	9.9
Grain	b or bc	b or bc	b or bc		63	57	51	–	–	–	10.5
Lympne	obqSoy	b or bc	b or bc	b or bc	64	52	47	trace	–	9.0	9.2
Scilly (St. Mary's) ...	c	b or bc	b or bc	b or bc	61	53	•	–	–	–	6.3
Falmouth	oo.c.bc	b.bcyz	bc bc	bc bc	70	53	49	–	–	–	8.2
Plymouth	b or bc	b or bc	b or bc	b or bc	70	55	48	–	–	–	6.7
Portland Bill	b or bc	b or bc	b or bc	b or bc	65	52	•	–	–	–	•
Calshot	c	b or bc	b or bc	c	71	54	52	–	–	–	14.2
Dungeness	c	c	b or bc	c	65	56	•	trace	–	–	
Jersey	c	oo	codo	oc	66	57	•	–	trace	2200	~~mo~~ 3.3

ISALLOBARS. 7th June. 1921.

POSITION NUMBERS



Temperature reported from Cross Channel and Coastal Steamers

Position Number	3	6	7
Date	6th	7th	7th
Time G.M.T.	1030	0430	0250
Sea ° F	51	54	53
Air ° F	52	56	56

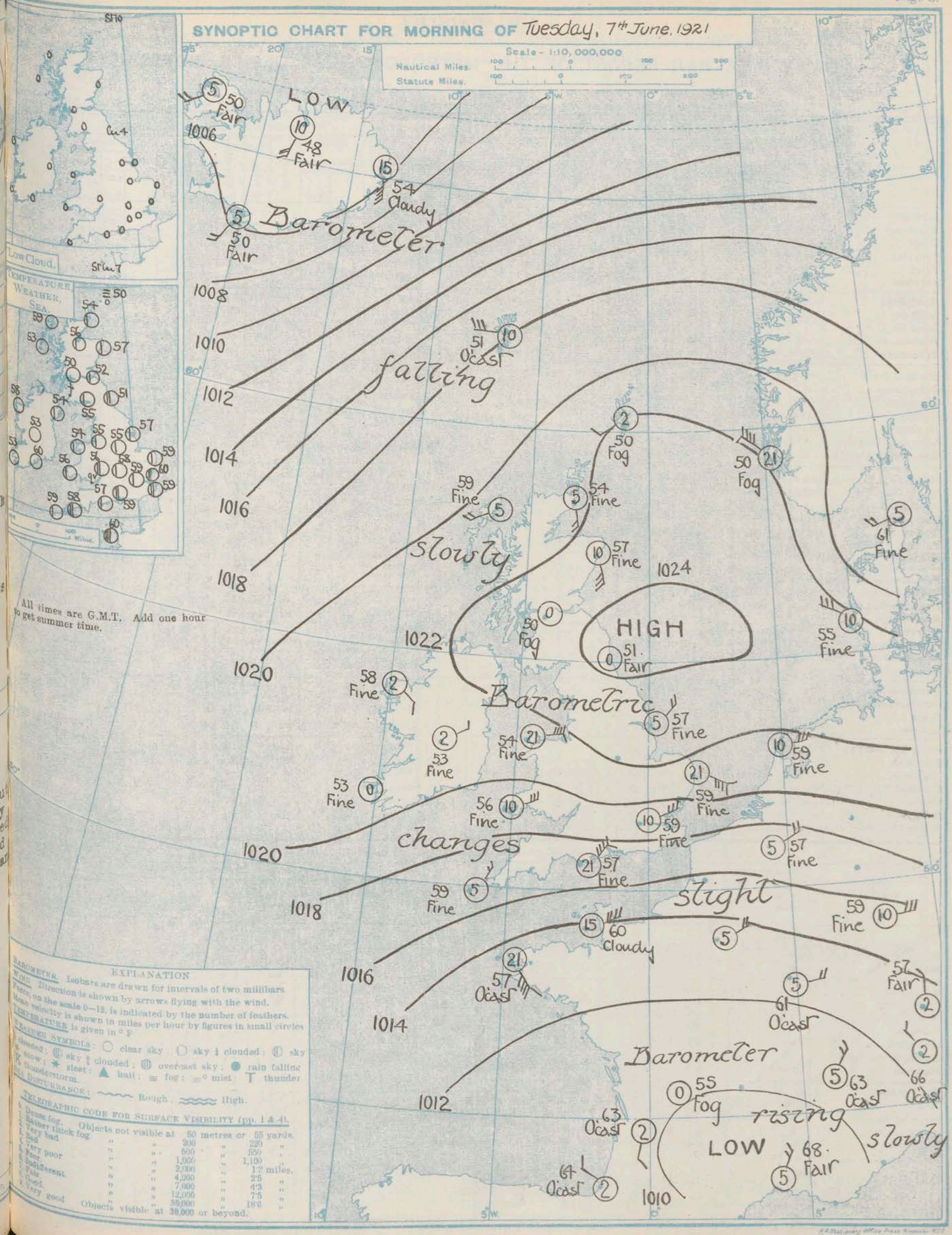
GENERAL INFERENCE.

The anticyclone is moving South and fair to fine and rather warm weather is probable generally for the next day or two, the Easterly wind over England becoming gradually less strong.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday 7th June 1921.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Moderate to fresh Easterly winds, gradually becoming lighter; fine; visibility good; temperature rising somewhat.	Fine generally with high day temperatures but becoming cloudy and less settled in the West and North of Scotland
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Moderate Easterly winds, becoming light and indefinite; fine; visibility good apart from morning mist; high day temperature.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Wind light and indefinite; fine; visibility good apart from morning mist; high day temperature.	
14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland	Light to moderate South to South-West winds; varying amount of cloud; visibility mainly fair but coastal fog probable; temperature rather high for the time of the year.	
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Same as 11 - 13.	

E.V.N.

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


SYNOPTIC CHART FOR MORNING OF Tuesday, 7th June, 1921
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
LOW
Barometer
falling
slowly
Barometric
changes
slight
Barometer
rising
slowly
HIGH
LOW
1006
1008
1010
1012
1014
1016
1018
1020
1022
1024
1010
1012
1014
1016
1018
1020
Low Cloud.
TEMPERATURE, WEATHER, SEA.
All times are G.M.T. Add one hour to get summer time.
EXPLANATION
BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Direction is shown by arrows flying with the wind. Force, on the scale 0—12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in ° F.
WEATHER SYMBOLS: clear sky; sky ¼ clouded; sky ½ clouded; sky ¾ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
SEA DISTURBANCE: Rough; High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY (pp. 1 & 4).
0 Dense fog. Objects not visible at 50 metres or 55 yards.
1 Rather thick fog " " 200 " 220 "
2 Very bad " " 500 " 550 "
3 Bad " " 1,000 " 1,100 "
4 Very poor " " 2,000 " 1·2 miles.
5 Poor " " 4,000 " 2·5 "
6 Indifferent. " " 7,000 " 4·3 "
7 Fair. " " 12,000 " 7·5 "
8 Good. " " 30,000 " 18·6 "
9 Very good " " Objects visible at 30,000 or beyond.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.....TUESDAY, 7TH JUNE.....1921. No. 158.

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	1022.2	-2	WSW	1	ifo	49	97	2	800	Nb	10	-	10	*
Stornoway	1025.5	-2	NE	1	fo+	*	*	*	*	*	*	*	*	*
Wick	1024.1	-2	NNW	1	b	48	92	9	-	-	0	A.Cu	1	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1022.9	-1	-	0	b	54	85	8	-	-	0	-	0	*
Renfrew	1025.5	0	-	0	c	44	75	8	-	-	0	Ci	7	*
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1026.2	0	-	0	b	40	85	8	-	-	0	-	0	*
Tynemouth	1026.0	-1	E	1	bc+	50	85	7	-	-	0	A.St	2	*
Blacksod Point ...	1021.7	-1	-	0	b	51	97	7	-	-	0	-	0	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1023.0	-1	E'N	1	b	50	85	8	-	-	0	-	0	*
Holyhead	1022.1	0	NE'E	4	b-	*	*	8	-	-	0	Ci	2	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1025.0	-1	NNE	1	bc/f	45	97	5	2500	St	5	-	5	*
Spurn Head	1023.8	+1	E	3	b	52	85	8	-	-	0	-	0	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1024.0	0	NE'N	3	b	45	97	8	-	-	0	-	0	*
Gorleston	1021.1	0	E	6	b	56	92	8	-	-	0	-	0	*
Pulham	1021.4	-1	NE	3	b	52	92	7	-	-	0	-	0	*
Felixstowe														*
Valencia (Cahirciveen)	1021.9	0	NNE	3	bc	52	*	*	*	*	*	*	*	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1020.4	0	ENE	3	bv	55	75	9	-	-	0	-	0	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (KEW OBS).	1019.3	0	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	1019.9	0	NE	1	b	51	92	8	-	-	0	-	0	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1018.1	0	ENE	4	b	55	92	8	-	-	0	Ci	1	*
Scilly (St. Mary's) ...	1017.7	0	NE	2	b	55	97	8	-	-	0	-	0	*
Falmouth														*
Plymouth	1017.1	-1	ENE	3	bc	61	55	8	5750	St.Cu	6	-	6	*
Portland Bill	1016.6	0	NE	5	b	59	85	8	-	-	0	Ci.Cu	2	*
Calshot	1018.2	-1	NNE	4	b-	57	85	8	-	-	0	A.St	1	*
Dungeness	1017.1	0	NE	6	b	58	85	9	-	-	0	-	0	*
Jersey (Guernsey Ih.)	1015.9	0	NE	5	bcr	57	85	7	4000	Nb	5	-	5	*

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	1022.1	-3	SW	1	fo+	50	97	3	800	St	10	-	10	0
Stornoway	1020.7	-1	SW	2	b/f	59	75	9	-	-	0	-	0	1
Wick	1021.2	-3	S	2	b	54	85	8	-	-	0	Ci.Cu	2	0
Castlebay	1021.7	-2	ESE	2	b	53	75	7	-	-	0	-	0	1
Nairn	1020.9	*	-	0	b	56	*	*	*	*	*	*	*	0
Aberdeen	1023.2	-2	SSE	3	b+	57	45	5	-	-	0	Ci	1	0
Malin Head	1021.1	-1	S	2	b	58	85	7	-	-	0	-	0	1
Renfrew	1023.4	-4	-	0	fb+	50	85	3	-	-	0	-	0	*
Leith	1023.3	-2	NNE	2	b-	52	92	7	-	Cu	2	Ci.St	3	*
Eskdalemuir	1023.2	-2	-	0	b	55	55	8	-	-	0	Ci	1	*
Tynemouth	1024.5	-1	-	0	bc	51	92	7	2500	Cu	4	-	4	1
Blacksod Point ...	[illegible]	-4	SE	1	b	58	97	9	-	-	0	-	0	1
Donaghadee	1022.5	-2	SE	1	b+	54	75	8	-	-	0	A.Cu	1	1
Birr Castle	1020.5	*	ENE	1	b	53	92	6	-	-	0	-	0	*
Baldonnell	1021.4	-1	NE	1	fb-	54	85	5	-	-	0	A.St	1	*
Holyhead	1020.6	-2	E	5	b	54	75	8	-	-	0	Ci	2	4
Liverpool (Bidston) ...	1021.9	-2	E	1	b	55	65	4	-	-	0	Ci.St	3	3
Manchester (Alex.Pk.)	1022.1	-2	ENE	3	b	55	65	8	-	-	0	Ci	2	*
Howden	1022.9	-2	NE'E	2	b	55	85	7	-	-	0	Ci.St	2	*
Spurn Head	1022.8	0	NE	2	b	57	85	8	-	-	0	Ci	1	2
Nottingham	1022.0	*	NE	3	b	52	85	5	4000	Cu	1	Ci	3	*
Cranwell	1021.9	0	NE	3	b	56	85	8	-	-	0	Ci	1	*
Gorleston	1020.9	0	SE'E	5	b+	59	85	8	-	-	0	Ci	3	4
Pulham	1020.5	0	ENE	3	b	61	65	8	-	-	0	Ci.St	2	*
Felixstowe	1019.9	0	NE'E	4	bv	59	75	9	-	-	0	Ci	1	4
Valencia (Cahirciveen)	1020.3	0	-	0	b	53	85	8	-	-	0	-	0	0
Roches Point	1020.9	0	ESE	1	b	60	75	8	-	-	0	-	0	0
Pembroke (St. Ann's H.)	1019.0	-1	ENE	3	b	56	85	9	-	-	0	Ci.Cu	1	1
Ross-on-Wye	1020.0	-1	NE	3	bc	56	75	8	-	-	0	Ci.Cu	4	*
Benson...	1018.6	0	NE	3	b	58	75	8	-	-	0	Ci	2	*
S. Farnborough ...	1018.4	+1	NE	2	bc	59	75	8	-	-	0	Ci	4	*
London (KEW OBS).	1018.8	0	E'N	3	b+	59	65	7	-	-	0	A.St	3	*
Croydon	1018.9	0	NE	2	bc	58	85	8	-	-	0	Ci	4	*
Clacton-on-Sea ...	1019.1	0	E	4	bc	60	75	7	-	-	0	Ci	4	0
Shoeburyness	1019.3	0	NE	6	bc	62	75	7	4000	Cu	2	Ci	4	*
Grain	1018.8	0	E'N	5	bc+	60	75	8	-	-	0	Ci.St	4	3
Lympne	1019.4	0	NE'E	5	bc	59	75	8	-	-	0	Ci.St	4	*
Scilly (St. Mary's) ...	1016.8	0	NE'E	2	b-	59	85	8	-	-	0	Ci	3	3
Falmouth	1016.9	0	N	2	bc	58	65	8	-	-	0	Ci.St	4	*
Plymouth	1016.3	0	ENE	2	bc	60	65	8	-	-	0	Ci	4	*
Portland Bill	1016.2	-1	NE	5	b	57	85	8	-	-	0	Ci.Cu	2	3
Calshot	1017.0	0	NE'N	5	c	60	75	8	-	-	0	Ci	8	3
Dungeness	1017.0	0	NE	5	bc+	59	75	8	-	-	0	Ci.Cu	5	5
Jersey (Guernsey Ih.)	1013.7	0	ENE	4	c	60	75	8	2500	St.Cu	7	-	7	3

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

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 17h.-9h. 5th-6th mm.	Rainfall.† Day 9h.-17h. 6th mm.	Sunshine. Sunrise to 17h. 6th hr.	Sunshine. Sunrise to Sunset. 5th hr.
Banff	b	b	66	33	-	-	12.4	7.2
Montrose	b	b.	55	39	-	-	12.5	6.0
Llandudno	b	b	65	44	-	-	12.5	8.5
Colwyn Bay ...	b	b	67	44	-	-	11.1	7.2
Rhyl...	b	b	70	43	-	-	12.3	6.6
Southport	b	b	71	42	-	-	12.5	9.8
Blackpool	bc	b	69	44	-	-	12.9	9.0
Harrogate	b	b	64	43	-	-	12.1	6.4
Skegness	bc.b	b	61	50	-	-	10.0	6.4
Aberystwyth ...	c.b	b	71	47	-	-	10.5	6.0
Bath	c.bc.b	bc.b	73	47	-	-	7.4	3.2
Leamington Spa ...	bc	bc.c	70	45	-	-	5.0	8.7
Lowestoft	b	b	61	51	-	-	11.1	4.5
Felixstowe	bz	b	65	47	-	-	10.4	2.7
Southend	c.bc.	bc	67	45	-	-	9.0	0.9

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day. °F.	Temperature. Min. Night. °F.	Rainfall.† Night 17h.-9h. 5th-6th mm.	Rainfall.† Day 9h.-17h. 6th mm.	Sunshine. Sunrise to 17h. 6th hr.	Sunshine. Sunrise to Sunset. 5th hr.
Paignton	bc.	bc	71	49	-	-	9.5	2.1
Ilfracombe	c.bc	bc.c	64	49	-	-	8.3	1.1
Bude	o.c.bc	bc.bc.c	69	50	-	-	7.8	1.1
Penzance	c.bc	bc	66	55	-	-	6.0	0.3
Torquay	b	bf	72	49	-	-	11.9	4.3
Weymouth	b	b	75	48	-	-	9.0	2.4
Bournemouth ...	b	b	75	48	-	-	10.0	3.1
Portsmouth (S'thsea)	b	b	74	49	-	-	11.7	2.4
Worthing	o.bc	bc.b	73	48	0.3	-	8.1	0.4
Brighton	o.bc	bc.c	73	49	0.3	-	9.5	0.2
Eastbourne ...	o.c.bc	bc.c	71	50	1	-	5.7	0.1
Hastings	o.c.bc	b.bc	69	49	-	-	6.1	?
Folkestone	bc.c	bc.b	66	50	-	-	7.5	0.0
Tunbridge Wells ...	c.bc.c	bc.b	68	47	-	-	6.5	0.9
Ramsgate	bc	bc	62	50	-	-	8.8	?
Margate	bc.b	b	60	52	-	-	8.5	0.0
Deal	bc.b.	b.bc	64	52	-	-	8.7	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.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.21748 WEDNESDAY 8th JUNE 1921.

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)	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea 0-9
Lerwick	1019.2	-4	S'W	2	b	53	92	7	-	-	-	-	-	·
Stornoway	1017.0	-4	SSW	3	b	64	55	9	-	-	-	-	-	·
Wick	1017.5	-4	S	2	b	56	85	9	-	-	-	-	-	·
Castlebay	1018.2	-1	SE	3	b+	57	85	6	-	-	-	a St	2	·
Nairn	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Aberdeen	1020.0	-3	SSE	4	b	60	65	8	-	-	-	-	-	·
Malin Head	1018.0	-4	ESE	1	b	62	85	7	-	-	-	-	-	·
Renfrew	1018.8	-5	-	0	fb	69	65	6	-	-	-	-	-	·
Leith	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Eskdalemuir	1019.4	-4	SE	2	b	67	45	8	-	-	-	-	-	·
Tynemouth	1021.6	-2	SE	1	b	57	92	8	·	-	-	Ci	3	·
Blacksod Point	1017.4	-1	SW	1	bc+	66	97	7	-	-	-	Ci	3	·
Donaghadee	1019.1	-3	SSE	2	b	57	75	8	-	-	-	-	-	·
Birr Castle	1017.6	·	S	1	bc+	71	55	7	2500	Cu	3	-	3	·
Baldonnell	1018.9	-3	E'N	3	b-	64	45	8	-	-	-	a St	1	·
Holyhead	1018.6	-2	E	3	b	66	65	8	-	-	-	a St	1	·
Liverpool (Bidston)	1018.7	-3	NW	1	b	65	55	7	-	-	-	Ci	3	·
Manchester (Alex. Pk.)	1018.9	-3	?	3	bc+	72	45	9	-	-	-	Ci	5	·
Howden	1020.7	-2	ENE	3	bc+	77	65	8	·	-	-	Ci	5	·
Spurn Head	1020.8	-2	ENE	4	b	62	75	8	-	-	-	Ci	2	·
Nottingham	1018.9	·	ENE	3	bc+	70	45	6	-	-	-	Ci	5	·
Cranwell	1019.8	-2	ENE	4	c+	70	55	8	-	-	-	Ci	7	·
Gorleston	1020.8	-1	E	5	bc+	62	85	8	-	-	-	Ci Cu	4	·
Pulham	1019.2	-2	ENE	4	bc+	68	55	9	-	-	-	a St	5	·
Felixstowe	1018.9	-1	NE	5	bc-	63	65	9	-	-	-	Ci St	6	·
Valencia (Cahirciveen)	1018.6	-2	W	2	b+	63	55	8	4000	Cu	1	a St	2	·
Roches Point	1019.4	-2	SE	2	b	60	85	8	-	-	-	-	-	·
Pembroke (St. Ann's H.)	1017.8	-1	W	2	b	61	75	8	-	-	-	-	-	·
Ross-on-Wye	1017.0	-3	ENE	5	bc ⊕	72	45	8	-	-	-	Ci	6	·
Benson	1016.0	-2	ENE	4	bc	75	25	9	-	-	-	Ci St	5	·
S. Farnborough	1016.2	-1	E	4	c+	73	35	8	-	-	-	Ci	7	·
London (Kew Obs)	1016.8	-3	E	5	bc	70	35	8	-	-	-	Ci	5	·
Croydon	1017.0	-2	NE'E	6	c	69	45	9	-	-	-	a	7	·
Clacton-on-Sea	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Shoeburyness	1017.9	-2	ENE	6	b	63	65	7	-	-	-	Ci St	3	·
Grain	1017.4	-1	NE'E	6	bc	61	75	8	-	-	-	Ci St	6	·
Lympne	1016.3	-1	ENE	5	o+	63	65	8	-	-	-	a St	9	·
Scilly (St. Mary's)	1016.4	0	NE'N	1	b	64	75	8	-	-	-	-	-	·
Falmouth	1016.4	0	ESE	4	b	67	85	8	-	-	-	Ci	2	·
Plymouth	1015.6	-1	E	3	b	?	55	8	-	-	-	-	-	·
Portland Bill	1015.7	-1	NE	5	b	60	85	8	-	-	-	Ci Cu	2	·
Calshot	1016.2	-1	NE	4	c	72	55	8	-	-	-	Ci	7	·
Dungeness	1016.3	-1	NE	5	o+	65	55	8	-	-	-	Ci Cu	7	·
Jersey	1013.6	0	NE	4	b	70	65	8	-	-	-	-	-	·

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)	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea 0-9
Lerwick	1015.1	-4	SSW	2	b	54	75	7	-	-	-	-	-	1
Stornoway	1014.1	-4	SSW	5	bc+	64	55	9	4000	Cu	3	Ci St	6	4
Wick	1012.8	-5	S	2	b+	56	85	8	-	-	-	Ci	2	1
Castlebay	1014.9	-6	S	2	o+	56	85	6	5750	St	10	-	10	2
Nairn	1012.9	·	-	0	b	68	·	·	·	·	·	·	·	·
Aberdeen	1016.0	-5	S	4	b	59	65	8	-	-	-	-	-	0
Malin Head	1014.6	-4	SW	1	fo	62	75	7	-	-	0	Ci St	10	0
Renfrew	1016.2	-2	WSW	3	b+	67	55	8	-	-	-	Ci	3	·
Leith	1015.1	·	-	0	b	60	75	6	-	-	-	-	-	·
Eskdalemuir	1015.8	-3	SW	2	b	69	45	8	-	-	-	-	-	·
Tynemouth	1017.5	-3	S	3	b-	59	85	8	-	-	-	Ci Cu	2	3
Blacksod Point	1016.7	-3	W	2	o-	58	97	7	-	-	-	Ci St	10	1
Donaghadee	1016.2	-3	SSE	2	b+	65	55	8	-	-	-	Ci Cu	2	1
Birr Castle	1015.5	·	W	1	c+	72	55	8	2500	St Cu	8	-	8	·
Baldonnell	1016.2	-2	E'N	2	bv	64	55	9	-	-	-	Ci St	3	·
Holyhead	1016.1	-2	WNW	3	b	58	85	8	-	-	-	-	-	1
Liverpool (Bidston)	1015.3	-2	ESE	2	b	71	45	7	-	-	-	-	-	3
Manchester (Alex. Pk.)	1015.7	-4	SE	4	b-	70	45	9	-	-	-	Ci	3	·
Howden	1017.3	-4	ESE	4	bv	62	65	9	-	-	-	Ci St	3	·
Spurn Head	1018.1	-2	E	4	bc	58	85	8	-	-	-	Ci	5	2
Nottingham	1016.4	·	E	3	bc-	65	45	6	-	-	-	Ci Cu	4	·
Cranwell	1017.7	-1	NE'E	4	c	64	55	9	-	-	-	Ci St	7	·
Gorleston	1017.1	-4	E'S	4	bc	59	92	8	-	-	-	Ci Cu	5	1
Pulham	1016.3	-3	?	1	c	62	65	9	-	-	-	Ci St	8	·
Felixstowe	1016.4	-3	NE	4	bc	60	65	8	-	-	-	Ci	6	4
Valencia (Cahirciveen)	1018.0	-1	WSW	2	bc+	58	85	8	1500	Cu	2	a Cu	5	0
Roches Point	1018.0	-1	S	1	bc+	61	92	8	-	-	-	Ci	5	0
Pembroke (St. Ann's H.)	1016.2	-2	WNW	1	b	68	65	9	-	-	-	-	-	0
Ross-on-Wye	1014.4	-3	E	3	b	72	35	9	-	-	-	-	-	·
Benson	1014.6	-2	E	3	b-	69	35	8	-	-	-	Ci	1	·
S. Farnborough	1014.6	-1	E	4	b	67	45	8	-	-	-	-	-	·
London (Kew Obs)	1015.1	-3	ENE	3	b	68	45	8	-	-	-	Ci St	2	·
Croydon	1015.7	-2	ENE	5	b-	65	55	9	-	-	-	Ci	1	·
Clacton-on-Sea	1015.8	-2	ENE	4	bc	63	65	7	-	-	-	Ci	5	0
Shoeburyness	1015.4	-4	ENE	3	b+	61	75	7	-	-	-	Ci	2	·
Grain	1015.4	-3	NE'E	5	b-	61	75	8	-	-	-	Ci St	3	6
Lympne	1014.2	-4	NE	4	bc-	62	65	9	-	-	-	Ci St	5	·
Scilly (St. Mary's)	1016.1	0	N'W	1	b	61	85	8	-	-	-	-	-	2
Falmouth	1014.9	-2	ENE	1	b	70	45	8	-	-	-	-	-	·
Plymouth	1014.9	-1	W	2	b	61	65	8	-	-	-	-	-	·
Portland Bill	1014.4	-2	NE	3	b	62	85	8	-	-	-	-	-	3
Calshot	1013.9	-1	NE'E	4	b	68	65	8	-	-	-	-	-	0
Dungeness	1014.2	-3	ENE	4	c	62	65	8	-	-	-	Ci Cu	7	4
Jersey	1013.7	0	NE	4	b	67	65	8	-	-	-	-	-	3

LONDON OBSERVATIONS. (Weather, Temperature, Rainfall: 24 Hours ended 0900 G.M.T. 8th; 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 Day	Rainfall mm.	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. %
Kew (24 hours ended 0700)	bzbczbg	bcyby	by.bbw	·	·	38	-	-	14.0	·	·
Croydon (24 hours ended 0700)	bc.cy	cbc.by	bywbcw	·	·	37	-	-	·	·	·
Greenwich (Royal Obsy.)	bc	b	b bc	71	47	34	-	-	14.2	48	62
City (Bunhill Row)	·	·	·	·	·	·			13.7	·	·
Westminster (St. James' Pk.)	·	·	·	?	52	45			13.6	41	?
Regents Pk. (Botanical Gdns.)	·	·	·	·	·	·			13.3	·	-
Camden Sq. (Brit. Rainfall)	bc	bc	·	77	50	47	-	-	·	37	59
Kensington Palace	b	bc b	·	74	58	40	-	-	·	46 (184)	63
Hampstead Observatory	·	·	·			·			13.9	·	·

ATMOSPHERIC POLLUTION. Lbs. of Solid impurity per million cubic yards.
24 Hr. ended 1800 G.M.T. 7th

South Kensington Max.	Time	Min.	Time
0.4 lbs / 0.6 lbs	2100 6th / 0700 7th	<0.2 lbs	0200 7th

Kew Observatory Max.	Time	Min.	Time
< ½ lb	1600 6th to 1600 7th	< ½ lb	1600 6th to 1600 7th

SOLAR RADIATION. Vertical component per square centimetre.
During yesterday.
South Kensington.
Total 2579 joules
Average Rate 43.7 Milliwatts.
Maximum Rate 90 Milliwatts.

POLE STAR RECORD at Greenwich Obsy.
Exposure from 7th 21 h 30 m. to 8th 02 h 30 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	5.0	5.0	100
δ Ursae Minoris	5.0	5.0	100

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.
8th & 9th June 1921.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.33 / 3.33	11.52 / 11.52	8.11 / 8.12
Greenwich	3.46 / 3.46	11.59 / 11.59	8.11 / 8.12
Wick	3.10 / 3.9	12.11 / 12.11	9.11 / 9.12
Valencia	4.24 / 4.24	12.40 / 12.40	8.56 / 8.57

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.
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"; bc = cloud 0-5; co = cloud 6-10.

Capital letters indicate intensity, 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.	Metres per second.
0	Less than 1.	Less than 0.3
1	1-3	0.3-1.5
2	4-7	1.6-3.3
3	8-12	3.4-5.4
4	13-18	5.5-7.9
5	19-24	8.0-10.7
6	25-31	10.8-13.8
7	32-38	13.9-17.1
8	39-46	17.2-20.7
9	47-54	20.8-24.4
10	55-63	24.5-28.4
11	64-75	28.5-33.5
12	Above 75	33.6 or above

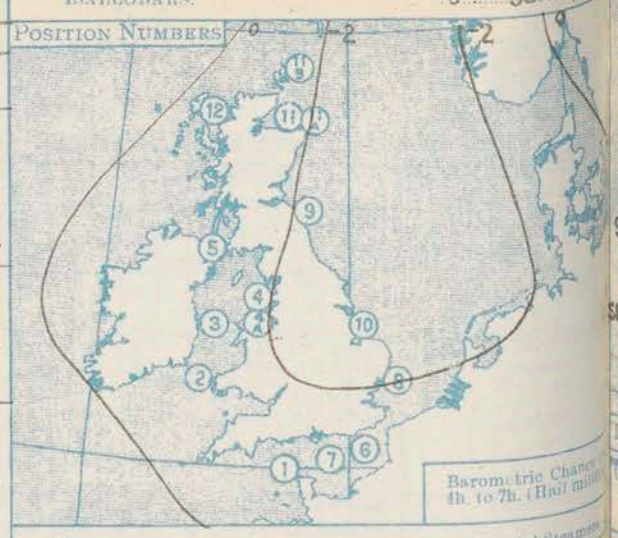
* Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 7th	13h.-18h. 7th	18h.-7th to 1h. 8th	1h.-7h. 8th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h.	Night. 18h.-7h.	Precipitation began.	SUN. Hours.
Lerwick	3ff.	b or bc	b or bc	oo	56	48	°	–	–	–	°
Stornoway ...	b or bc	b or bc	oo	r or d	66	50	°	–	3	–	11.2
Wick	b or bc	b or bc	oo	ir	58	45	°	–	0.5	0530	
Castlebay	b or bc	b. om	cm	rdd	57	50	°	–	"	–	10.6
Nairn	b	b	cg	bbcpg	73	51	°	–	2	*	14.0
Aberdeen	b or bc	b or bc	bccim	coim	61	49	39	–	–	–	15.4
Malin Head	b or bc	om	om	p	65	52	°	–	0.5	0230	11.7
Renfrew	3ff. 12	b or bc	12 00	im	72	54	47	–	trace	–	11.7
Leith	b or bc	b or bc	r or d		65	52	44	–	0.3	0630	°
Eskdalemuir	b or bc	b or bc	b or bc	c	70	43	40	–	–	–	15.6
Tynemouth	b or bc	b or bc	b or bc	c	60	50	°	–	?	–	"
Blacksod Point ...	b or bc	oo	oo	ir	67	44	°	–	0.3	2400	°
Donaghadee	b or bc	bm	cm	cm	64	43	°	–	trace	0630	°
Birr Castle	b or bc	c	c	c	74	53	47	–	–	–	11.2
Baldonnell	b or bc	b or bc	c	or	66	48	41	–	1	0530	13.9
Holyhead	b or bc	b or bc	b or bc	b.bc.co	70	52	40	–	–	–	13.5
Liverpool (Bidston) ...	b or bc	b or bc	b	co	72	52	48	–	–	–	14.4
Manchester (Alex.Pk.)	b or bc	b or bc	c		65	43	39	–	–	–	"
Howden	b or bc	b or bc	b or bc	c	69	?	29	–	–	–	15.2
Spurn Head	b or bc	b or bc	b or bc	b or bc	63	50	°	–	–	–	°
Nottingham	b or bc	b or bc	im		71	40	37	–	–	–	14.2
Cranwell	b or bc	c	b or bc	c	70	42	36	–	–	–	15.2
Gorleston	b or bc	b or bc	bv	b or bc	63	55	50	–	–	–	13.0
Pulham	b or bc	b or bc	b or bc	b or bc	69	48	34	–	–	–	14.6
Felixstowe	c	b or bc	b or bc	c	64	49	!	–	–	–	~~15.5~~ 14.7
Valencia (Cahirciveen)	b or bc	b or bc	b or bc	r or d	65	52	49	–	0.6	0630	12.7
Roches Point	b or bc	b or bc	b or bc		64	54	°	–	–	–	°
Pembroke (St.Ann's H.)	b or bc	b or bc	b or bc	c	70	53	°	–	–	–	15.0
Ross-on-Wye	bc.c.bc	b or bc	bvy	bwbcc	75	43	35	–	–	–	14.7
Benson...	b or bc	b or bc	b	c	77	38	30	–	–	–	°
S. Farnborough ...	c	b or bc	b or bc		75	40	38	–	–	–	14.5
London (KEW OBS.)	bc.bc.bc	bc y by	by b.bw	bwbcc	71	50	38	–	–	–	14.0
Croydon	bc cy	c.bc.by	byw	bcwm	70	42	37	–	–	–	°
Clacton-on-Sea ...	bc	bc	bc	bcw	64	51	48	–	–	–	14.6
Shoeburyness	b or bc	b or bc	b or bc		65	47	42	–	–	–	13.1
Grain	b or bc	c	b or bc		63	42	36	–	trace	–	12.3
Lympne	bc.c.cq	c	b or bc	b or bc	~~67~~ 66	~~48~~ 49	36	–	–	–	11.7
Scilly (St. Mary's) ...	b or bc	b or bc	b or bc	c	66	52	°	–	–	–	13.9
Falmouth	bc. b.	b. byz.	b bc	bc	70	53	48	–	–	–	14.5
Plymouth	b or bc	b or bc	b or bc	b or bc	73	50	39	–	–	–	14.2
Portland Bill	b or bc	b or bc	b or bc	b or bc	64	52	°	–	–	–	°
Calshot	c	b or bc	b or bc	b or bc	72	50	46	–	–	–	14.8
Dungeness	c	c	b or bc	b or bc	65	48	°	–	–	–	
Jersey	c	b or bc	b	b	70	56	°	–	–	–	12.8

ISALLOBARS. 8th JUNE,



Temperature reported from Cross Channel and Coastal Steamers

Position Number	4	12	3	1	6
Date	7th	7th	7th	7th	8th
Time G.M.T.	0515	0600	1040	1216	0200
Sea ° F	?	51	52	55	54
Air ° F	52	59	54	58	56

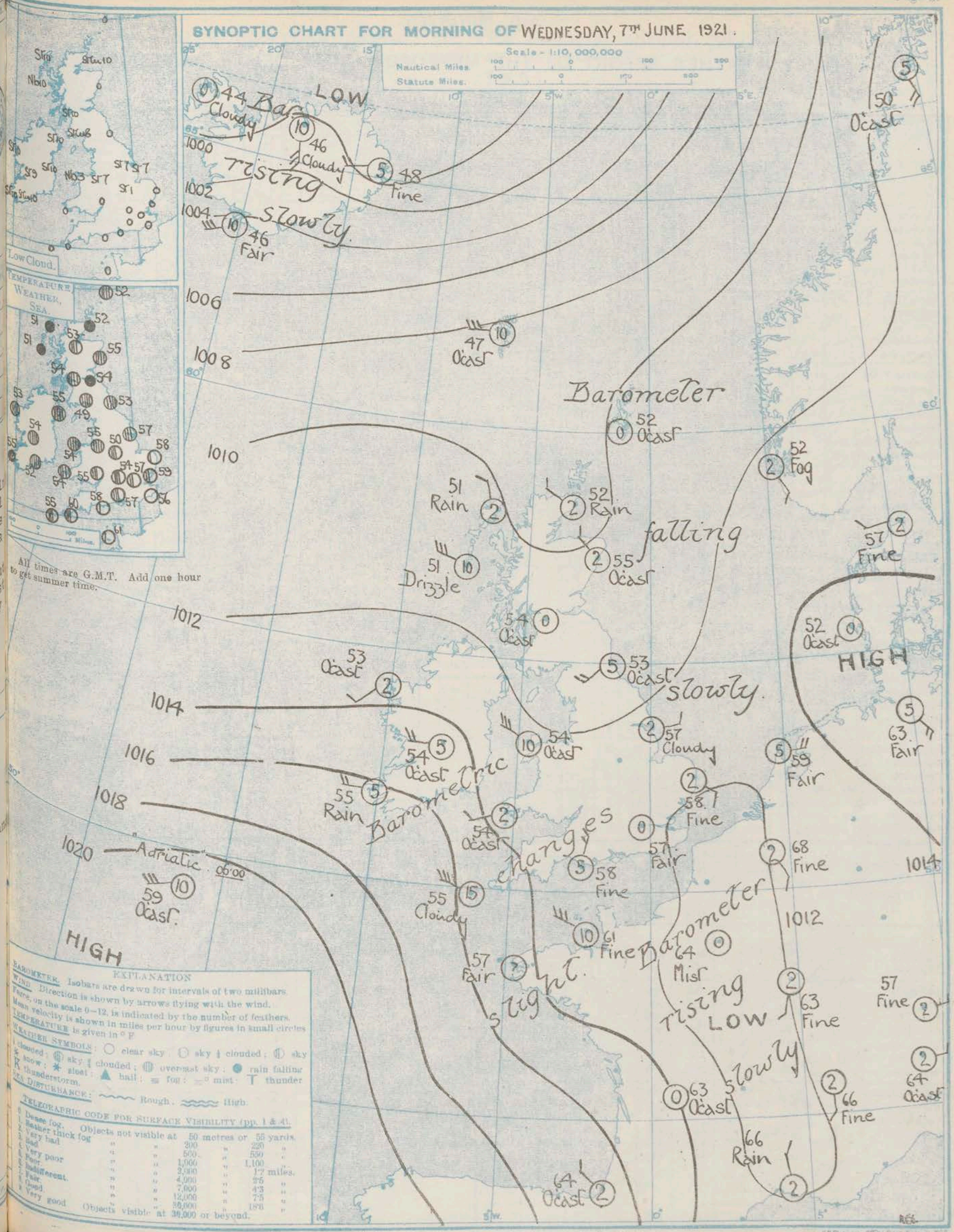
GENERAL INFERENCE.

A trough of low pressure formi
over England and Scotland will
cause light indefinite breezes
and warm cloudy weather with a
tendency for thunder over the
Eastern half of the Kingdom but
in the West moderate North-West
to West winds and cool showery
weather is indicated.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday 8th June, 1921.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind light and indefinite; cloudy, tendency for thunder; visibility mainly good; warm.	Probably fair again with winds from between West and North.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Light to moderate West to North-West winds; much low cloud, some showers; visibility mainly good; cooler.	
9. N. Midlands 10. N.E. England 11. E. Scotland	Same as 1 - 4.	
12. S.W. Scotland 13. Isle of Man 14. N.&N.W. Scotland 15. Hebrides	Same as 5 - 8.	
16. Orkneys and Shetlands	Same as 1 - 4.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Same as 5 - 8.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 09.10. G. C. SIMPSON, F.R.S., Director.

SYNOPTIC CHART FOR MORNING OF WEDNESDAY, 7TH JUNE 1921.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION. WEDNESDAY 8th JUNE 1921. No. 159.

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	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1011·6	-4	SW'S	2	bc+	49	97	7	-	-	0	A.Cu	5	*
Stornoway	1012·9	-2	SSW	3	o-	*	*	*	*	*	*	*	*	*
Wick	1010·6	-3	W	1	0	50	92	8	5750	St.Cu	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1013·6	0	SW	1	0	56	97	7	-	—	•	Cu.St	10	*
Renfrew	1012·9	-3	-	0	0	51	92	8	2500	St.Cu	10	-	10	*
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1014·3	-2	-	0	c+	45	97	8	4000	St	8	-	8	*
Tynemouth	1014·3	-2	SW	1	b+	52	85	7	-	-	0	A.Cu	3	*
Blacksod Point ...	1014·5	+1	SW	1	o pr.	53	97	6	-	-	0	Cu.St	10	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1014·6	-2	SSE	2	c	58	75	7	5750	Cu	2	A.St	8	*
Holyhead	1013·6	-2	SW'W	3	b	*	*	7	-	-	0	-	0	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1015·3	-3	-	0	b+	41	?	4	4000	St	1	Cu.St	3	*
Spurn Head	1015·3	-2	E	2	b	52	85	9	4000	St	2	-	2	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1016·2	-3	E'S	1	b	45	97	8	-	-	0	-	0	*
Gorleston	1015·6	-1	SE'E	4	b+	53	92	8	-	-	0	A.Cu	2	*
Pulham	1014·1	-4	-	0	b	51	97	7	-	-	0	A.St	1	*
Felixstowe	?	-2	?	2	b	51	92	8	-	-	0	-	0	*
Valencia (Cahirciveen)	1017·5	+2	NW	2	bc	54	*	*	*	*	*	*	*	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St.Ann's H.)	1014·7	-1	NW	1	b	57	75	8	-	-	0	-	0	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (KEW OBS).	1014·5	-3												
Croydon	1014·8	-4	ENE	1	b	45	97	7	-	-	0	-	0	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1013·0	-3	NE	4	b	53	92	8	-	-	0	-	0	*
Scilly (St. Mary's) ...	1016·2	0	NW	2	b	54	97	8	-	-	0	-	0	*
Falmouth														*
Plymouth	1014·6	-1	-	0	b	52	92	8	-	-	0	-	0	*
Portland Bill	1013·8	0	NE	2	b	51	85	8	-	-	0	-	0	*
Calshot	1013·4	-3	N'E	2	b	56	75	8	-	-	0	-	0	*
Dungeness	1012·7	-1	ENE	2	b	51	85	9	-	-	0	-	0	*
Jersey (Guernsey Th.)	1013·8	0	NNE	3	b	57	85	8	-	-	0	-	0	*

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	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1010·0	-2	-	0	o-	52	92	6	-	-	0	A.St	10	0
Stornoway	1010·3	0	NNW	1	or.	51	92	7	450	St	10	-	10	0
Wick	1009·8	-1	NW	1	o	52	97	7	5750	St.Cu	10	-	10	0
Castlebay	1011·0	-1	WNW	3	odd	51	97	4	450	Nb	10	-	10	2
Nairn	1009·5	*	-	0	cg	52	*	*	*	*	*	*	*	1
Aberdeen	1010·4	-2	NW'N	1	o+	55	85	6	-	-	0	A.St	10	0
Malin Head	1011·9	-1	W	2	op	52	97	7	4000	Cu'fd	8	Cu.St	10	0
Renfrew	1011·0	-1	-	0	0	54	92	4	1500	St	10	-	10	*
Leith	1010·7	-1	-	0	orr	54	85	6	840	Nb	10	-	10	*
Eskdalemuir	1011·6	-2	-	0	o	49	92	7	4000	St.Cu	8	A.St	10	*
Tynemouth	1010·8	-3	SW	2	o	53	85	6	-	-	0	A.St	10	1
Blacksod Point ...	1012·4	-2	SW	1	o/r	53	92	6	450	St	10	-	10	0
Donaghadee	1013·1	-1	SW	1	o+	55	85	8	2500	St	10	-	10	0
Birr Castle	1014·7	*	W	2	o+	54	92	7	4000	St	9	-	9	*
Baldonnell	1013·9	0	S	1	od.	53	92	5	800	St	10	-	10	*
Holyhead	1012·4	-1	WNW	3	o	54	97	8	2500	Nb	3	A.St	10	1
Liverpool (Bidston) ...	1011·3	-2	SW	1	o+	55	75	6	1500	Cu	10	-	10	1
Manchester (Alex.Pk.)	1012·3	-3	W	1	o	54	75	5	4000	St	7	A.St	10	*
Howden	1011·8	-4	-	0	o+	51	97	6	2500	St	7	A.St	10	0
Spurn Head	1013·2	-2	E	1	c+	57	85	8	4000	St	7	-	7	*
Nottingham	1012·5	*	W	1	c+	50	85	4	-	-	0	Ci.Cu	8	*
Cranwell	1012·8	-2	SSW	1	o+	55	85	8	4000	St	1	A.St	10	1
Gorleston	1013·8	-4	ESE	1	b-	58	85	8	-	-	0	A.Cu	2	*
Pulham	1011·6	-3	-	0	bc	60	85	7	-	-	0	Ci.St	6	*
Felixstowe	1012·3	0	N'E	2	b	60	85	8	-	-	0	Ci	1	2
Valencia (Cahirciveen)	1016·3	0	W	2	or.	55	97	6	450	St	10	-	10	0
Roches Point	1016·1	0	NW	4	o	52	92	8	2500	St.Cu	10	-	10	0
Pembroke (St.Ann's H.)	1013·8	-1	SW'W	1	o-	54	92	8	-	-	0	A.St	10	*
Ross-on-Wye	1012·8	-1	N	1	o-	55	75	7	-	-	0	Ci	8	*
Benson...	1012·2	0	-	0	c	54	75	7	-	-	0	Cu.St	7	*
S. Farnborough ...	1012·3	0	NW	2	c+	57	75	8	-	-	0	Ci	8	*
London (KEW OBS).	1012·1	-1	-	0	bc	57	75	6	-	-	0	Cu.St	5	*
Croydon	1012·9	-2	NNW	1	bc-	56	85	5	-	-	0	Ci	4	*
Clacton-on-Sea ...	1011·5	-1	NNE	2	bc	59	85	7	-	-	0	Cu.St	4	0
Shoeburyness	1011·8	-1	WNW	1	b	56	85	7	-	-	0	-	0	*
Grain	1011·6	-2	-	0	b	55	92	7	-	-	0	Ci.Cu	1	0
Lympne	1010·9	-1	-	0	b+	58	85	7	-	-	0	Ci	1	*
Scilly (St. Mary's) ...	1015·9	0	WNW	4	c+	55	97	8	-	-	0	A.St	8	4
Falmouth	1014·3	0	NW	4	c	60	65	8	-	-	0	A.St	8	*
Plymouth	1013·7	-1	WNW	1	bc	58	75	8	-	-	0	Ci	4	3
Portland Bill	1012·8	-1	NE	2	b·	58	85	8	-	-	0	Cu.Cu	2	1
Calshot	1012·2	-1	WNW	3	bc+	56	85	8	-	-	0	Cu.St	4	2
Dungeness	1011·4	-1	N	2	b	56	85	8	-	-	0	-	0	3
Jersey (Guernsey Th.)	1013·3	0	NW	3	b	61	65	8	-	-	0	Ci	1	*

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

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 17h.-9h. 7th-8th mm.	Rainfall.† Day 9h.-17h. 8th mm.	Sunshine. Sunrise to 17h. 8th hr.	Sunshine. Sunrise to Sunset. 7th hr.
Banff	b	b	72	45	-	-	12·8	15·8
Montrose	b	b	59	34	-	-	12·2	15·4
Llandudno	b	b	65	46	-	-	11·9	14·8
Colwyn Bay ...	b	b	65	46	-	-	11·3	14·6
Rhyl...	b	b	70	45	-	-	12·0	15·0
Southport	b	b	75	43	-	-	12·6	15·7
Blackpool	bc.b	b	74	42	-	-	12·7	15·6
Harrogate	b	b	68	41	-	-	11·3	15·0
Skegness	b	b.bc	62	54	-	-	12·4	12·5
Aberystwyth ...	bc	bc	77	51	-	-	12·0	11·0
Bath	b.	b.bc	75	50	-	-	11·4	9·6
Leamington Spa ...	bc	bc	74	45	-	-	10·0	7·7
Lowestoft	b.bc	bc	62	58	-	-	11·6	13·1
Felixstowe	b	bc	61	55	-	-	12·3	12·6
Southend	bc	bc	66	54	-	-	10·6	10·6

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 17h.-9h. 7th-8th mm.	Rainfall.† Day 9h.-17h. 8th mm.	Sunshine. Sunrise to 17h. 8th hr.	Sunshine. Sunrise to Sunset. 7th hr.
Paignton	b	b	69	53	-	-	11·0	11·8
Ilfracombe	bc.b.	b	70	54	-	-	10·2	8·4
Bude	b	b	75	49	-	-	11·9	8·6
Penzance	b	b	71	55	-	-	11·9	10·7
Torquay	b	bzy	70	55	-	-	11·1	12·2
Weymouth	bcy	b	75	53	-	-		10·8
Bournemouth ...	b	b	74	51	-	-	12·0	12·6
Portsmouth (S'thsea)	b	b	76	55	-	-	12·1	13·8
Worthing	b	b	73	55	-	-	12·2	9·9
Brighton	b.bc	bc.b	75	56	-	-	12·0	10·5
Eastbourne	bc	bc	68	54	-	-	12·2	7·3
Hastings	b	b.bc.b	69	54	-	-	11·6	8·3
Folkestone	bc	bc	69	55	-	-	9·8	7·5
Tunbridge Wells ...	b	b	69	52	-	-	10·6	8·4
Ramsgate	b	b	62	55	-	-	10·3	9·5
Margate	bc.b	b.bc	62	56	-	-	8·8	8·5
Deal	bc.b.	b.bc	66	56	-	-	11·5	10·5

* Information for these columns not usually received. † Tr = 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. B21749 THURSDAY, 9th JUNE 1921.

Observations at 1300 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	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1009·2	0	WSW	2	o	54	92	7	-	-	-	a St	10	*
Stornoway	1012·1	+3	NW	1	o/r	54	75	7	450	St	10	-	10	*
Wick	1009·5	0	-	0	od	51	97	6	1500	Nb	10	-	10	*
Castlebay	1013·9	+3	NW	4	c/r	55	85	7	<150	St	7	-	7	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1010·2	0	NW'W	1	o/r	58	75	8	2500	?	7	a St	10	*
Malin Head	1013·3	+2	NW	3	bc-	54	97	8	-	-	-	a Cu	6	*
Renfrew	1010·7	-1	WNW	2	c	60	75	8	2500	St Cu	10	-	10	*
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1011·0	0	WNW	2	o	54	85	6	2500	St	10	-	10	*
Tynemouth	1010·2	+1	NW	3	o	58	92	7	2500	Nb	4	a St	10	*
Blacksod Point	1016·7	+8	NW	2	c-	56	85	7	1500	St Cu	8	-	8	*
Donaghadee	1013·5	+1	NNW	1	c-	54	92	8	4000	Cu	7	-	7	*
Birr Castle	1014·6	*	W	1	c-	60	92	6	2500	Nb	7	-	7	*
Baldonnell	1014·0	0	W'N	3	o	59	75	8	1500	St Cu	8	a St	9	*
Holyhead	1013·3	+1	NW'W	4	o-	57	85	8	2500	Nb	5	a St	9	*
Liverpool (Bidston)	1011·7	0	W	5	c-	57	75	7	4000	Cu	8	-	8	*
Manchester (Alex. Pk.)	1011·7	0	WSW	3	o	60	75	7	2500	St	9	a St	10	*
Howden	1009·8	-1	W	1	ifo	62	85	4	2500	St	10	-	10	*
Spurn Head	1010·1	-3	WSW	1	o	60	85	7	800	St	10	-	10	*
Nottingham	1010·3	*	W	2	o+	63	65	4	4000	Nb	4	a St	10	*
Cranwell	1010·6	-2	W'N	3	o	65	65	6	4000	St	8	a St	10	*
Gorleston	1010·2	-3	NE'E	2	o+	61	85	7	-	-	-	a St	10	*
Pulham	1008·6	-1	-	0	o	72	55	8	-	-	-	a St	9	*
Felixstowe	1010·1	-2	E	2	o	61	85	8	-	-	-	a St	10	*
Valencia (Cahirciveen)	1018·0	+2	NNW	4	bc-	58	65	9	4000	St Cu	3	Ci Cu	6	*
Roches Point	1016·1	0	NW	4	c-	65	85	9	2500	Cu	4	Ci	8	*
Pembroke (St. Ann's H.)	1014·4	0	WNW	3	c-	57	97	8	5750	St Cu	7	-	7	*
Ross-on-Wye	1011·2	-2	NW	3	opr₀	68	55	8	2500	Nb	4	a St	10	*
Benson	1009·0	-3	WNW	2	o+	73	45	8	-	St Cu	10	-	10	*
S. Farnborough	1009·8	-2	NNW	2	o ⊕	75	45	8	-	-	-	Ci Cu	10	*
London (Kew Obs.)	1009·6	-4	W	1	o ⊕	72	45	8	-	-	-	a Cu	9	*
Croydon	1010·2	-2	NNW	1	c	72	45	8	-	-	-	Ci St	7	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1009·0	-2	WNW	1	c+	72	55	7	5750	Cu	4	Ci St	8	*
Grain	1009·2	-2	-	0	o	71	55	8	-	-	-	a St	10	*
Lympne	1009·4	-3	SSW	3	o	69	75	7	2500	Cu	4	a St	9	*
Scilly (St. Mary's)	1016·7	0	NW	4	bc	60	85	8	4000	Cu	2	a St	6	*
Falmouth	1014·8	0	NW	5	c	65	65	8	-	-	-	Ci St	8	*
Plymouth														*
Portland Bill	1011·8	-1	NW	3	b	61	85	8	-	-	-	Ci Cu	2	*
Calshot	1010·8	-2	SSW	4	o ⊕	68	65	8	5750	Cu	1	Ci St	~~8~~ 9	*
Dungeness	1009·6	-1	SW	3	c+	63	75	7	2500	St	8	-	8	*
Jersey	1013·8	0	W	4	c+	63	65	8	2500	St Cu	8	-	8	*

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	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1010·6	+2	NW	2	o	52	85	7	5750	Nb	10	-	10	1
Stornoway	1015·1	+2	N'W	2	b-	53	65	8	4000	Cu	2	-	2	1
Wick	1011·6	+3	NNW	2	oD	50	97	6	800	Nb	10	-	10	0
Castlebay	1016·5	+3	NW	4	bc	52	75	8	4000	Cu	2	a St	4	3
Nairn	1012·2	*	NW	2	c	54	*	*	*	*	*	*	*	*
Aberdeen	1011·2	+2	-	0	or₀	53	92	6	2500	Nb	10	-	10	0
Malin Head	1016·5	+6	NW	4	b-	52	97	8	4000	Cu	3	-	3	3
Renfrew	1011·9	+2	WNW	4	bc-	60	75	8	4000	Cu	4	-	4	*
Leith	1009·4	*	NNW	2	opr₀	57	85	8	1500	Nb	?9	-	?9	*
Eskdalemuir	1011·2	0	NW	3	o/r	55	85	8	4000	St	10	-	10	*
Tynemouth	1011·2	0	-	0	or₀r₀	56	97	6	4000	Nb	10	-	10	1
Blacksod Point	1020·1	+5	WNW	2	bc-	55	85	8	-	Cu	3	Ci Cu	4	1
Donaghadee	1014·9	+3	NNW	3	b-	56	75	8	5750	Cu	2	a Cu	3	3
Birr Castle	1017·4	*	NW	3	c+	60	75	6	2500	St Cu	8	-	8	*
Baldonnell	1015·8	+2	NW	4	c	60	65	9	4000	St Cu	3	Ci	7	*
Holyhead	1014·9	+2	NNW	3	b-	57	85	8	4000	Cu	1	a Cu	3	0
Liverpool (Bidston)	1013·1	+2	W'N	3	b/r	56	75	9	1500	Cu	1	Ci St	3	3
Manchester (Alex. Pk.)	1012·3	+1	W	4	c/r	59	65	8	4000	Cu Nb	6	a Cu	8	*
Howden	1010·4	+1	NW'W	3	or₀	57	92	6	1500	Nb	10	-	10	*
Spurn Head	1009·3	-1	N	2	bc-	59	85	7	7250	Cu Nb	4	a Cu	6	0
Nottingham	1011·1	*	NW	3	o-	61	65	5	4000	Nb	4	Ci St	9	*
Cranwell	1010·6	+1	NNW	3	oPR-	62	85	7	800	Nb	10	-	10	*
Gorleston	1009·4	0	N	2	o	64	85	7	-	-	-	a St	9	0
Pulham	1008·9	0	N'W	1	o+	65	65	8	4000	St	10	-	10	*
Felixstowe	1009·9	0	NNW	3	o	67	85	8	4000	Nb	2	a St	10	1
Valencia (Cahirciveen)	1021·5	+5	NNW	5	c+	55	75	9	1500	St Cu	7	-	7	3
Roches Point	1018·2	+2	NW	4	c-	63	85	8	2500	Cu Nb	3	Ci	7	0
Pembroke (St. Ann's H.)	1015·7	+1	NW	2	c+	55	85	9	5750	St Cu	1	Ci St	8	0
Ross-on-Wye	1012·4	+3	NW	4	c-	64	55	9	4000	St Cu	7	a St	8	*
Benson	1010·9	+2	NNW	4	o	65	65	7	-	St Cu	10	-	10	*
S. Farnborough	1010·4	+1	NW	3	or₀+	68	55	8	4000	St Cu	3	a Cu	10	*
London (Kew Obs.)	1010·5	+2	NNW	2	o	68	55	8	-	-	-	a St	10	*
Croydon	1010·4	+1	WNW	3	o	67	55	8	7250	St Cu	6	a St	10	*
Clacton-on-Sea	1009·1	0	NW	3	o-	68	55	7	7250	St Cu	10	-	10	0
Shoeburyness	1009·4	0	WNW	2	bc+	67	55	7	7250	St Cu	6	?	?	*
Grain	1009·7	+1	NW	1	o	67	55	8	-	-	-	a St	10	0
Lympne	1009·4	+1	NW	3	c	66	65	8	5750	St Cu	4	a Cu	8	*
Scilly (St. Mary's)	1017·4	0	NW	3	o+	58	92	8	4000	St Cu	9	-	9	4
Falmouth	1016·0	+2	NW	5	fc+	59	75	6	-	St Cu	6	Ci	7	*
Plymouth	1014·5	+2	NW	2	o	60	75	8	4000	St Cu	5	Ci	9	*
Portland Bill	1011·8	0	NW	4	bc+	61	85	8	-	-	-	Ci Cu	5	3
Calshot	1011·0	+~~0~~2	W	4	o	67	75	8	-	-	-	a Cu	10	0
Dungeness	1009·6	0	SW	4	o+	63	75	8	2500	St	9	-	9	3
Jersey	1013·9	0	W	4	c+	60	75	8	-	-	-	Ci Cu	8	3

LONDON OBSERVATIONS. (Weather, Temperature, Rainfall: 24 Hours ended 0900 G.M.T. 9th; 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 Day mm.	Rainfall Night mm.	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. %
Kew				*	*	48	-	tr	6·3	*	*
Croydon (24 hours ended 0700)	bczoy	ooy	ocp₀ oo	*	*	48	-	tr	*	*	*
Greenwich (Royal Obsy.)	bcocbco	oy	oir₀ o	78	51	44	-	·03	6·7	42	71
City (Bunhill Row)	o	o	op b.o	*	*	*	*		6·6	*	*
Westminster (St. James' Pk.)	*	*	*	75	52	47	-	0·1	6·9	47	67
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*		6·8	*	-
Camden Sq. (Brit. Rainfall)	bc	b.o	*	78	51	48	-	·03	*	41	69
Kensington Palace	bc	bc o	*	75	50	46	-	·02	*	51 (18h)	72
Hampstead Observatory	*	*	*	74	48	41	-	·03	6·9	*	75

ATMOSPHERIC POLLUTION. Lbs. of Solid impurity per million cubic yards.

24 Hr. ended 1800 G.M.T. 8th

South Kensington Max.	Time	Min.	Time
0·4 lbs / 0·6 lbs	1900 7th / 0700 8th	0·2 lbs	0200 and 0300 8th

Kew Observatory Max.	Time	Min.	Time
<½	1600 7th to 1600 8th	<½	1600 7th to 1600 8th

SOLAR RADIATION. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total 1839 joules

Average Rate 31·1 Milliwatts.

Maximum Rate 84 Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 8th 21 h 30 m. to 9th 02 h 30 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	5 0	3 48	76
λ Ursae Minoris	5 0	3 39	73

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

9th & 10th JUNE 1921.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3·33 / 3·32	11·52 / 11·52	8·12 / 8·12
Greenwich	3·46 / 3·45	11·59 / 11·59	8·12 / 8·13
Wick	3·9 / 3·9	12·11 / 12·11	9·12 / 9·13
Valencia	4·24 / 4·23	12·40 / 12·40	8·56 / 8·57

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.
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"; bc = cloud 0-5; cc = cloud 6-10.

Capital letters indicate intensity, 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.	Metres per second.
0	Less than 1.	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

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

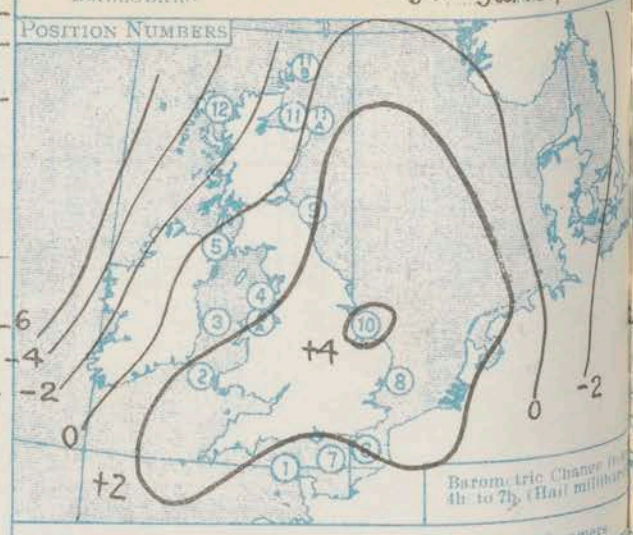
M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 8th	13h.-18h. 8th	18h.-8th. to 1h. 9th	1h.-7h. 9th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h.	Night. 18h.-7h.	Precipitation began.	SUN. Hours.
Lerwick	im.	oo	b or bc	oo	55	43	•	-	-	-	•
Stornoway	p	c	c	oo	54	46	•	-	-	-	4.6
Wick	om id_0	om. id_0	b or bc	b or bc	55	38	•	1	0.2	-	
Castlebay	Torδ. bc	c. bc	b odp_0	bco	55	49	•	0.3	0.3	0130	7.6
Nairn	U p	c	cg bc		57	39	•	3	-		0.6
Aberdeen	T_0T_0 o	oiT_0.c	iR bc	bcb	59	42	33	0.4	5	9.0	0.0
Malin Head	c	p_0	c	T_0	55	49	•	0.2	0.2	-	7.2
Renfrew	pr.	c	b or bc	c	67	43	32	trace	-	-	?
Leith	c	c	p		?	49	46	?	2	-	•
Eskdalemuir	iR.	oiT_0oR.o	oiR T_0o	c	58	42	38	5	2	9.0.2200	0.6
Tynemouth	im.oo	T_0T_0	om id_0	id_0	62	48	•	2	0.2	13.30	•
Blacksod Point ...	oo	c	b or bc	c	57	49	•	-	-	-	•
Donaghadee	omp.	bc	bmq	bcv	58	41	•	-	-	-	•
Birr Castle	c	cp	c	c	64	40	32	1	-	9.0	6.8
Baldonnell	oo	p	b or bc	c	64	46	35	0.3	-	-	5.3
Holyhead	iT_0	cp$_0$ bc	c	bcco	58	50	47	0.2	-	-	3.5
Liverpool (Bidston) ...	p	op$_0$	oq		65	51	46	trace	-	13.30	2.7
Manchester (Alex.Pk.)	im. iT_0	im iδ_0	c im		63	50	45	trace	-	11.00	•
Howden	oo	Torδ	oo	oo	63	52	47	-	•	-	0.2
Spurn Head	c	p	p	oo	62	51	•	0.2	0.5	-	•
Nottingham	im.	oo	c		65	52	44	trace	-	13.30	0.7
Cranwell	oo	p	c	oo	66	51	42	0.3	trace	16.30.	1.6
Gorleston	b.bc.o	oo	c	cq oq	64	53	52	-	-	-	5.0
Pulham	c	oo	oo	oo	73	52	49	-	-	-	4.4
Felixstowe	c	oo	oo	oo	69	52	?	-	trace	-	6.6
Valencia (Cahirciveen)	Torδ	bor bc	b or bc	b or bc	60	43	37	0.2	-	11.00	5.3
Roches Point	oo	c	b or bc		65	45	•	-	-	-	"
Pembroke (St.Ann's H.)	oo	c	b or bc	b or bc	60	48	•	-	-	-	4.5
Ross-on-Wye	c.o.	oy gpc.	obc cb.	b.bcv	72	46	34	-	-	-	2.2
Benson...	c	oo	T_0	o	70	46	35	-	0.5	-	•
S. Farnborough ...	c	oo	iT	b or bc	76	48	44	-	0.5	-	6.9
London (K E W OBS).	bcz oy	o. oy	ocp$_0$oo	ocoo	74	52	48	-	trace	-	6.3
Croydon	bc.o.c.bco	oy	oiT_0	o	74	51	48	-	trace	-	•
Clacton-on-Sea ...	bc. c. o.	oc	c		72	51	48	-	-	-	6.4
Shoeburyness	c	c	c		74	49	45	-	-	-	6.8
Grain	bor bc	oo	p		73	49	45	-	0.1	2400	6.5
Lympne	b. bc. c	oo	c	b or bc	74	48	44	-	-	-	8.1
Scilly (St. Mary's) ...	c	bor bc	b or bc	b or bc	62	53	•	-	-	-	9.0
Falmouth	c	c.o.cqm	c bc	bccw	67	50	45	-	-	-	9.0
Plymouth		c	c	b or bc	70	50	42	-	-	-	8.8
Portland Bill	b or bc	c	b or bc	b or bc	66	52	•	trace	-	-	•
Calshot	c	p	c	b or bc	72	52	50	0.6	-	1730.	7.5
Dungeness	b or bc	c	c	b or bc	69	50	•	-	trace	-	
Jersey	bc	c. bc	co	b	67	54	•	-	-	-	10.0

ISALLOBARS 9th June, 1921.

POSITION NUMBERS



Temperature reported from Cross Channel and Coastal Steamers

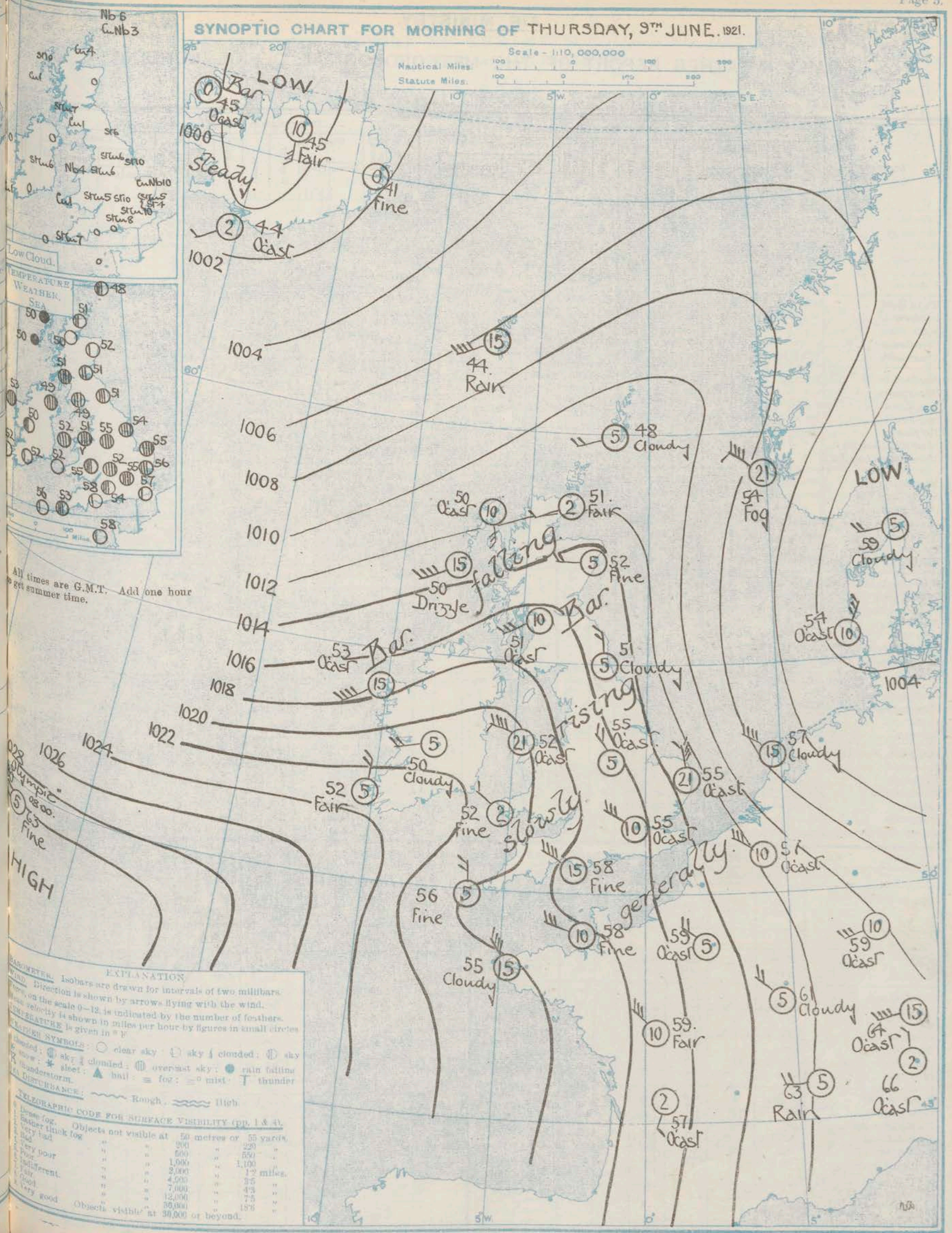
Position Number.	7	4A	3	6
Date	8th	8th	8th	9th
Time G.M.T.	0240	0535	1030	0400
Sea ° F	54	54	51	55
Air ° F	56	54	54	56

GENERAL INFERENCE.

A new depression off the Hebrides will cause freshening South-Westerly winds and intermittent rain over the Northern half of the Kingdom and similar conditions will spread to the South within the next 24 hours.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Thursday, 9th June, 1921.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Wind backing to South-West and freshening; fair at first, cloudy with some rain later; visibility fair to good.	None issued.
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	Moderate to fresh West to South-West winds; much low cloud, some rain; visibility fair to good; cool.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0935 G.M.T. G. C. SIMPSON, F.R.S., Director.


SYNOPTIC CHART FOR MORNING OF THURSDAY, 9TH JUNE. 1921.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
LOW
Bar
45 O'cast
1000
Steady.
10 45 Fair
0 41 Fine
2 44 O'cast
1002
1004
15 44 Rain
1006
1008
1010
1012
1014
1016
1018
1020
1022
1024
1026
5 48 Cloudy
21 54 Fog
LOW
5 59 Cloudy
54 O'cast 10
1004
50 O'cast 10
2 51 Fair
15 50 Drizzle
falling.
5 52 Fine
10 Bar.
53 O'cast Bar.
51 O'cast
5 51 Cloudy
15
5
50 Cloudy
21 52 O'cast
rising
55 O'cast
5
21 55 O'cast
15 57 Cloudy
52 5 Fair
52 2 Fine
slowly
10 55 O'cast
10 57 O'cast
generally.
15 58 Fine
56 5 Fine
10 58 Fine
55 15 Cloudy
59 O'cast 5
10 59 O'cast
5 61 Cloudy
15 64 O'cast
2 66 O'cast
10 59. Fair
5 63 Rain
2 57 O'cast
"Olympic" 0800.
5 63 Fine
HIGH
All times are G.M.T. Add one hour to get summer time.
Nb 6
Cu Nb 3
Low Cloud.
TEMPERATURE
WEATHER.
SEA
EXPLANATION.
BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Direction is shown by arrows flying with the wind.
Force, on the scale 0—12, is indicated by the number of feathers.
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 (pp. 1 & 4).
0 Dense fog. Objects not visible at 50 metres or 55 yards.
1 Rather thick fog " " 200 " 220 "
2 Very bad " " 500 " 550 "
3 Very poor " " 1,000 " 1,100 "
4 Poor " " 2,000 " 1·2 miles.
5 Indifferent " " 4,000 " 2·5 "
6 Fair " " 7,000 " 4·3 "
7 Good " " 12,000 " 7·5 "
8 Very good " " 30,000 " 18·6 "
9 Objects visible at 30,000 or beyond.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.....THURSDAY, 9TH JUNE.....1921. No. 160...

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

STATIONS.	Barom. at M.S.L. m.b.	Change in 3 Hours‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	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	1013.9	0	W	2	0+	49	92	7	-	-	0	Nb	5	*
Stornoway	1017.2	+3	W	2	0	*	*	*	*	*	*	*	*	*
Wick	1013.8	0	WNW	1	b	42	92	9	4000	Cu Nb	1	A.Cu	2	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1018.4	0	WSW	4	0	52	97	8	5750	St Cu	10	-	10	*
Renfrew	1016.5	+3	W	3	bc	48	85	8	2500	St.Cu	6	-	6	*
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1015.6	+2	SW	1	0	48	97	8	4000	St	10	-	10	*
Tynemouth	1013.8	+3	N	4	od.	51	97	6	2500	Nb	10	-	10	*
Blacksod Point ...	1021.1	-1	NW	1	c+	50	97	8	2500	St.Cu	8	-	8	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1020.8	+3	NW'N	1	b	44	85	8	-	-	0	A.St	3	*
Holyhead	1017.9	+1	NNW	7	b-	*	*	8	-	-	-	A.Cu	1	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1012.7	+2	WNW	3	0+	53	92	6	2500	St	10	-	10	*
Spurn Head	1011.7	0	NW	3	0pr.	56	75	7	458	St	10	-	10	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1013.4	+1	WNW	3	0	51	92	7	1500	St.Cu	9	-	9	*
Gorleston	1010.7	0	N	3	c	53	92	8	-	-	0	A.St	5	*
Pulham	1011.1	+2	WNW	2	0-	56	85	6	2500	Cu Nb	9	-	9	*
Felixstowe	1012.1	+2	NW	3	b/f	56	97	7	7250	St.Cu	2	-	2	*
Valencia (Cahirciveen)	1023.3	0	NW	4	b	51	*	*	*	*	*	*	*	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St.Ann's H.)	1019.4	+2	NNW	3	bc	53	92	9	-	?	?	?	6	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obs.)	?	?	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	1014.5	+1	WNW	3	0/f	52	85	8	2500	St.Cu	9	-	9	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1012.1	+1	NW	3	b-	53	92	8	4000	St.Cu	2	-	2	*
Scilly (St. Mary's) ...	1019.5	+1	NW	3	b	55	97	8	-	-	0	-	0	*
Falmouth														*
Plymouth	1018.2	+2	NNW	2	b	54	85	8	-	-	0	-	0	*
Portland Bill	1015.5	+3	NW	3	b-	58	85	8	-	-	0	Ci.Cu	2	*
Calshot	1015.4	+3	W'N	5	b	56	75	8	-	-	0	A.St	1	*
Dungeness	1012.0	+2	N	4	bc	58	75	8	5750	Cu	5	-	5	*
Jersey (Guernsey Ih.)	1016.3	+3	NW	4	b	55	92	8	7250	St.Cu	3	-	3	*

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

STATIONS.	Barom. at M.S.L. m.b.	Change in 3 Hours‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	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	1011.1	+2	WSW	2	c+	48	75	7	5750	Nb	8	-	8	1
Stornoway	1010.9	-5	S	3	0	50	75	7	450	St	10	-	10	1
Wick	1011.9	-2	WSW	1	bc	51	75	9	4000	Cu	4	-	4	0
Castlebay	1013.4	-4	SW	4	od.	50	85	6	4000	Cu	1	A.St	10	3
Nairn	1013.1	*	-	0	cg	50	*	*	*	*	*	*	*	0
Aberdeen	1015.0	-1	W	2	b	52	65	8	-	-	0	Cu.Cu	1	0
Malin Head	1015.6	-4	SSW	3	10r.	50	97	8	5750	St Cu	10	-	10	3
Renfrew	1016.4	0	WSW	3	0	51	85	8	2500	St.Cu	7	A.St	10	*
Leith	1015.8	0	W	2	bc	51	75	7	-	-	0	A.Cu	4	4
Eskdalemuir	1016.9	+1	NW	2	c ⊕	49	65	8	5750	Cu	1	Ci.St	7	*
Tynemouth	1015.8	+1	N	2	bc-	51	85	8	4000	St	6	-	6	4
Blacksod Point ...	1016.8	-6	SW	4	0	53	97	8	-	-	0	Ci.St	10	2
Donaghadee	1018.2	+1	WNW	2	0+	49	85	8	-	-	0	A.St	9	1
Birr Castle	1021.0	*	WSW	2	c-	50	85	8	4000	Cu	4	Ci.Cu	7	*
Baldonnell	1021.0	0	W	2	0-	48	85	8	4000	St.Cu	6	A.Cu	10	*
Holyhead	1020.2	+2	WNW	5	0	52	85	8	2500	Nb	4	A.St	10	1
Liverpool (Bidston) ...	1017.7	+2	NW'N	4	ov	51	75	9	800	Nb	10	-	10	b
Manchester (Alex.Pk.)	1017.5	+2	WSW	3	c	56	75	6	4000	St.Cu	6	A.St	8	*
Howden	1015.6	+2	NW'N	3	c	54	92	7	2500	St.Cu	6	A.St	8	*
Spurn Head	1015.2	+4	NW	5	0	54	85	7	450	St	10	-	10	3
Nottingham	1016.3	*	NNW	2	0+	55	85	5	2500	Nb	7	A.St	10	*
Cranwell	1016.2	+3	NNW	4	0	53	92	8	800	Nb	10	-	10	*
Gorleston	1013.1	+3	N	5	0+	55	85	7	4000	Cu Nb	10	-	10	3
Pulham	1013.9	+2	NNW	4	0	56	75	7	2500	Cu Nb	9	-	9	*
Felixstowe	1014.7	+3	NNW	3	0-	56	97	8	1500	St.Cu	9	-	9	2
Valencia (Cahirciveen)	1023.2	-1	NNE	2	bc+	52	75	9	2500	Cu	1	A.Cu	4	1
Roches Point	1023.0	+2	NW	2	b+	52	92	8	-	-	0	A.Cu	2	0
Pembroke (St.Ann's H.)	1021.2	+2	NW	1	b-	52	85	8	5750	Cu	1	Ci.St	3	1
Ross-on-Wye	1018.5	+3	WNW	3	c+	55	65	9	4000	St.Cu	5	Ci	7	*
Benson...	1017.5	+3	NW	2	0	52	85	7	-	St	10	-	10	*
S. Farnborough ...	1017.0	+3	NW	4	c+	54	75	9	1500	St.Cu	8	-	8	*
London (Kew Obs.)	1016.9	+3	NW	3	0	55	75	8	1500	St.Cu	10	-	10	*
Croydon	1016.6	+3	WNW	2	0	53	85	8	1500	St	10	-	10	*
Clacton-on-Sea ...	1014.4	+3	NNW	4	c	56	85	7	7250	St.Cu	7	-	7	0
Shoeburyness	1015.4	+3	NNW	1	0+	56	85	7	7250	Cu	7	A.Cu	9	*
Grain	1015.7	+4	NW	4	0	56	85	8	2500	St.Cu	10	-	10	0
Lympne	1014.4	+3	NW'N	4	bc+	54	85	8	1500	St	4	-	4	*
Scilly (St. Mary's) ...	1019.9	+1	N	2	b	56	85	8	-	-	0	Ci.Cu	3	2
Falmouth	1020.4	+3	NNW	3	c	53	75	8	-	St.Cu	7	-	7	*
Plymouth	1020.4	+3	NNW	1	b	55	75	8	1500	Cu	7	Ci	2	*
Portland Bill	1017.3	+2	NW	4	b	58	85	8	-	-	0	Ci.Cu	2	3
Calshot	1017.5	+2	WNW	5	b+	54	75	8	-	-	0	Ci	2	0
Dungeness	1014.4	+2	NNW	4	b-	57	75	8	-	-	0	Ci.Cu	2	4
Jersey (Guernsey Ih.)	1018.9	+1	WNW	3	b	58	75	8	-	-	0	Ci	2	3

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

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day °F.	Temperature. Min. Night. °F.	Rainfall.† Night 17h.-9h. 7th-8th	Rainfall.† Day 9h.-17h. 8th	Sunshine. Sunrise to 17h. 8th	Sunshine. Sunrise to Sunset. 7th
					mm.	mm.	hr.	hr.
Banff	r. o	o. c. o	58	46	2	3	0.1	15.3
Montrose	or	or	55	44	-	7	?	14.3
Llandudno	p. o.	c. op	59	49	-	0.4	0.7	14.5
Colwyn Bay ...	bc. bc. c	bc. bc. o	61	52	-	-	1.7	14.8
Rhyl...	o. c.	bc. c	59	50	-	-	0.3	14.8
Southport	op. o	o. c. bc	60	51	-	-	2.0	15.6
Blackpool	o.	c	62	49	-	0.1	1.5	15.0
Harrogate	o	op	66	42	-	-	0.1	14.3
Skegness	b. o. c	c orn	66	45	-	-	2.5	14.8
Aberystwyth ...	o. c	c	60	52	-	-	2.0	14.7
Bath	bc. cz	bc. c op	72	43	-	-	3.9	13.4
Leamington Spa ...	c	c. b. o	64	42	-	-	3.3	13.6
Lowestoft	bc. c	c. o	63	58	-	-	4.9	12.0
Felixstowe	bc.	c	68	50	-	-	6.0	14.7
Southend	bc. c	o	76	49	-	-	6.8	12.6

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day. °F.	Temperature. Min. Night. °F.	Rainfall.† Night 17h.-9h. 7th-8th	Rainfall.† Day 9h.-17h. 8th	Sunshine. Sunrise to 17h. 8th	Sunshine. Sunrise to Sunset. 7th
					mm.	mm.	hr.	hr.
Paignton	bc	bc	75	49	-	-	8.2	13.0
Ilfracombe	o. c. o. c	c. o. c. o	61	56	-	-	3.7	12.8
Bude	bc.	bc. c	64	47	-	-	7.8	14.0
Penzance	bc	bc. b	64	53	-	-	8.1	13.5
Torquay	y. bc	c. bcy	75	54	-	-	11.9	14.0
Weymouth	c. bc	bc. c	76	50	-	-	8.5	13.7
Bournemouth ...	b. bc	bc	76	42	-	-	8.5	14.3
Portsmouth (S'thsea)	b	bc. c	76	50	-	-	8.4	14.7
Worthing	b. bc	bc. c.	66	52	-	-	9.4	14.6
Brighton	bc	bc. o	68	53	-	-	9.0	14.1
Eastbourne ...	b. bc	bc. c	70	54	-	-	8.5	14.7
Hastings	b. bc	c. o. bc. o	69	54	-	-	9.1	14.1
Folkestone	c. bc	bc. c	73	54	-	-	8.0	11.0
Tunbridge Wells ...	b. bc	bc. c. o	75	43	-	-	7.3	12.9
Ramsgate	bc	bc	70	52	-	-	7.2	11.8
Margate	b	bc. c	70	54	-	-	6.7	9.8
Deal	b.	bc. o	71	47	-	-	8.0	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.21759 FRIDAY, 10th JUNE 1921.

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	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun. 0-9
Lerwick	1007.0	-5	W'S	4	c	49	75	7	4000	Cu	8	-	8	*
Stornoway	1000.8	-12	S	6	στ	50	92	6	450	St	10	-	10	*
Wick	1005.6	-7	WSW	3	στ₀	49	92	8	800	St	10	-	10	*
Castlebay	1003.3	-11	WSW	5	σ₀τ₀	52	97	3	4000	Nb	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1008.3	-6	SW	3	c-	56	65	8	150	Cu	8	-	8	*
Malin Head	1007.5	-8	SSW	5	τ₀τ₀	53	92	7	450	St	10	-	10	*
Renfrew	1011.1	-6	SW	5	o	52	85	7	2500	StCu	10	-	10	*
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1012.3	-4	SW	5	o	52	65	7	2500	StCu	9	Cu	10	*
Tynemouth	1012.8	-2	W	2	c	59	75	8	2500	CuNb	5	aSt	8	*
Blacksod Point	1011.8	-3	WSW	4	oδ₀	55	92	3	1500	?StCu	10	-	10	*
Donaghadee	1012.9	-7	WSW	4	c-	61	55	8	5750	StCu	8	-	8	*
Birr Castle	1017.4	*	SW	3	o+	57	75	6	2500	Cu	9	-	9	*
Baldonnell	1016.4	-4	SW'W	4	o	58	65	8	2500	St	5	aSt	10	*
Holyhead	1017.2	-2	SSW	5	oV	55	75	9	-	-	-	aSt	10	*
Liverpool (Bidston)	1016.4	-2	W	3	c-	54	65	8	5750	StCu	4	CiCu	8	*
Manchester (Alex.Pk.)	1016.7	-2	WNW	5	o	56	55	8	2500	StCu	3	aCu	10	*
Howden	1014.1	-3	WSW	5	o	60	75	6	1500	St	6	aSt	10	*
Spurn Head														*
Nottingham	1015.7	*	WNW	4	c	60	65	6	4000	Cu	3	CiSt	8	*
Cranwell	1015.4	-2	W'N	4	o	62	65	8	1500	Cu	3	aSt	10	*
Gorleston	1014.5	0	N	5	bc-	61	85	8	4000	CuNb	2	aCu	6	*
Pulham	1010.9	-1	NW	5	o	60	65	8	4000	StCu	7	aSt	10	*
Felixstowe	1016.0	0	NNW	3	o+	62	85	8	1500	Nb	9	-	9	*
Valencia (Cahirciveen)	1020.3	-3	SW'S	4	o+	56	85	7	800	St	10	-	10	*
Roches Point	1020.4	-3	WSW	3	c+	58	92	8	5750	Cu	4	CiCu	7	*
Pembroke (St.Ann's H.)	1020.2	-1	W	3	c	54	85	9	-	-	-	CiSt	8	*
Ross-on-Wye	1016.7	-3	WNW	3	cV	66	45	9	-	-	-	aCu	8	*
Benson	1016.3	-2	WNW	2	o	64	55	8	2500	CuNb	2	CiSt	8	*
S. Farnborough	1016.6	-1	WNW	3	o	67	45	8	4000	Cu	7	CiSt	9	*
London (Kew Obs.)	1016.5	-2	NW	2	o⊕	64	55	9	5750	Cu	5	CiSt	9	*
Croydon	1016.8	-1	NW	2	o⊕	64	56	8	2500	Cu	7	CiSt	9	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1016.1	+1	NNW	1	c	63	65	7	5750	Cu	5	aSt	8	*
Grain	1016.3	0	-	0	0	62	65	8	4000	StCu	6	aSt	10	*
Lympne	1016.1	+1	NW	2	o	62	75	8	2500	Cu	7	aSt	9	*
Scilly (St. Mary's)	1021.8	0	WNW	2	b	61	75	8	-	-	-	aCu	3	*
Falmouth	1021.3	-1	WNW	4	c	64	55	8	-	-	-	CiSt	8	*
Plymouth	1019.8	-1	NNW	3	c+	63	55	9	-	-	-	aCu	8	*
Portland Bill	1017.6	+1	NW'W	4	b	59	85	8	-	-	-	aCu	3	*
Calshot	1017.4	0	NW'N	3	o	64	60	9	4000	Cu	2	aCu	10	*
Dungeness	1016.1	+1	SE	2	c+	61	75	9	5750	Cu	7	-	7	*
Jersey	1020.3	0	W	3	b	59	65	8	-	-	-	Ci	2	*

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	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun. 0-9
Lerwick	1002.7	-9	S	5	στ₀	47	85	6	-	Nb	10	-	10	4
Stornoway	996.4	-2	WNW	4	oδδ	52	97	6	800	St	10	-	10	4
Wick	996.9	-10	S	5	oτ	51	92	7	2500	Nb	5	aSt	10	3
Castlebay	1002.4	+1	WNW	7	oδ₀	51	92	3	800	Nb	10	-	10	7
Nairn	996.9	"	W	2	c	53	*	*	*	*	*	*	*	*
Aberdeen	1001.1	-9	SSW	4	o	53	85	8	1500	St	10	-	10	0
Malin Head	1008.1	+5	WSW	6	pτ₀	52	92	6	450	St	10	-	10	6
Renfrew	1013.8	-6	WSW	6	o/τ	53	92	7	450	Nb	10	-	10	*
Leith	1001.4	*	W	6	oτ₀	55	85	8	-	Nb	10	-	10	*
Eskdalemuir	1005.2	-8	SW	6	oττ	50	97	6	1500	Nb	10	-	10	*
Tynemouth	1007.2	-6	WSW	3	o	57	85	8	1500	St	9	-	9	1
Blacksod Point	1015.6	-4	NW	4	o	55	97	4	1500	?St	10	-	10	4
Donaghadee	1019.8	-2	WSW	4	c/τ	57	65	8	4000	Cu	8	-	8	6
Birr Castle	1014.9	*	W	3	c-	58	92	6	2500	St	7	-	7	*
Baldonnell	1013.3	-1	W'S	4	oτ₀	57	97	8	1500	StCu	10	-	10	*
Holyhead	1012.5	-5	SW	5	oδ₀	55	92	8	2500	Nb	8	aSt	10	1
Liverpool (Bidston)	1011.6	-5	SW'W	4	o+	55	65	8	2500	CuNb	10	-	10	3
Manchester (Alex.Pk.)	1011.7	-4	WSW	5	oδ₀	58	55	9	5750	StCu	7	aSt	10	*
Howden	1010.2	-5	W'S	4	o+	58	75	7	2500	StCu	9	-	9	*
Spurn Head	1010.3	-3	WSW	5	c-	60	97	7	5750	StCu	8	-	8	2
Nottingham	1012.0	*	W	3	c+	62	55	6	4000	StCu	4	CiSt	7	*
Cranwell	1012.2	-4	W	4	bc-	62	65	8	4000	Cu	4	aSt	6	*
Gorleston	1013.4	-2	SW	4	c+	57	92	8	5750	Nb	6	CiSt	8	0
Pulham	1011.8	-4	WSW	5	c	64	55	8	-	-	-	aCu	7	*
Felixstowe	1012.7	-4	W	4	o	63	75	8	4000	Cu	2	aSt	9	1
Valencia (Cahirciveen)	1019.9	+1	NW'W	5	o	55	92	7	450	St	10	-	10	4
Roches Point	1018.2	-3	W	4	o	59	97	8	1500	StCu	10	-	10	0
Pembroke (St.Ann's H.)	1017.1	-3	WSW	4	c+	55	85	8	-	-	-	aSt	8	4
Ross-on-Wye	1014.8	-3	W	4	bcV	60	55	9	4000	StCu	3	aCu	4	*
Benson	1014.0	-3	W	3	b-	66	55	8	-	-	-	aCu	3	*
S. Farnborough	1014.2	-2	W	3	b-	65	55	8	4000	Cu	1	CiSt	3	*
London (Kew Obs.)	1013.5	-5	WSW	3	b-	67	45	9	4000	Cu	1	aCu	3	*
Croydon	1014.4	-3	WSW	3	bcV	65	55	9	4000	Cu	2	CiSt	5	*
Clacton-on-Sea	1013.4	-2	WSW	3	c	63	65	7	2500	Nb	3	aCu	8	0
Shoeburyness	1013.4	-3	NNW	1	bc-	64	55	7	-	-	-	aCu	4	*
Grain	1013.6	-4	WSW	1	c-	63	65	8	4000	StCu	2	aCu	7	0
Lympne	1014.0	-2	SW	3	o	59	75	8	5750	StCu	6	aCu	9	*
Scilly (St. Mary's)	1022.5	0	W	4	bc	58	75	8	5750	StCu	5	-	5	4
Falmouth	1019.8	-2	W	5	b-	60	65	8	-	-	-	CiCu	2	*
Plymouth	1018.9	-1	W	3	c	57	65	9	4000	StCu	4	aSt	7	*
Portland Bill	1016.6	-1	NW'W	4	bc	58	85	8	-	-	-	aCu	4	3
Calshot	1015.4	-2	W'N	5	b-	61	75	9	-	-	-	aCu	3	0
Dungeness	1014.4	-3	WSW	4	c-	58	75	9	5750	Cu	8	-	8	4
Jersey	1019.3	0	W	4	b	60	65	8	-	-	-	CiCu	1	3

LONDON OBSERVATIONS.

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. in.	Rainfall. mm.	Sunshine to Sunrise. Hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 HOURS ENDED 0900 G.M.T. 10th								YESTERDAY.	TO-DAY.	
Kew } 24 hours ended 0700	oco	ocbc	bb	*	*	50	-	-	4.1	*	*
Croydon } 24 hours ended 0700	oc	ocbq	bqbq	*	*	48	-	-	*	*	*
Greenwich (Royal Obsy.)	o⊕	o	bc	70	52	44	-	-	3.6	50	57
City (Bunhill Row)	*	*	*	*	*	*			4.6	*	*
Westminster (St. James' Pk.)	*	*	*	67	53	48	-	-	4.6	53	56
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*			5.1	*	*
Camden Sq. (Brit. Rainfall)	co	bbc	*	70	52	48	-	-	*	48	56
Kensington Palace	o	bc	*	68	52	48	-	-	*	44 (est)	55
Hampstead Observatory	*	*	*	66	50	42	-	-	4.9	*	59

ATMOSPHERIC POLLUTION. Lbs. of Solid impurity per million cubic yards.

24 Hr. ended 1600 G.M.T. 9th

South Kensington Max.	Time.	Min.	Time.
0.4	2100 8th	0.2	0100 9th
0.4	0900 9th		

Kew Observatory Max.	Time.	Min.	Time.
2½	1600 8th to 1600 9th	2½	1600 8th to 1600 9th

SOLAR RADIATION. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total 1695 joules

Average Rate 28.6 Milliwatts.

Maximum Rate 88 Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 9th 21 h 30 m. to 10th 02 h 30 m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	5.0	3.15	65
δ Ursae Minoris	5.0	3.9	63

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

10th & 11th JUNE 1921.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.32 / 3.32	11.57 / 11.57	8.12 / 8.13
Greenwich	3.45 / 3.45	11.59 / 11.59	8.13 / 8.14
Wick	3.9 / 3.8	12.11 / 12.12	9.13 / 9.14
Valencia	4.23 / 4.23	12.40 / 12.40	8.57 / 8.58

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.
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:—b/r = fair weather after rain; i = intermittent; - = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail"; bc = cloud 0-5; co = cloud 6-10.

Capital letters indicate intensity, 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.	Metres per second.
0	Less than 1.	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

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

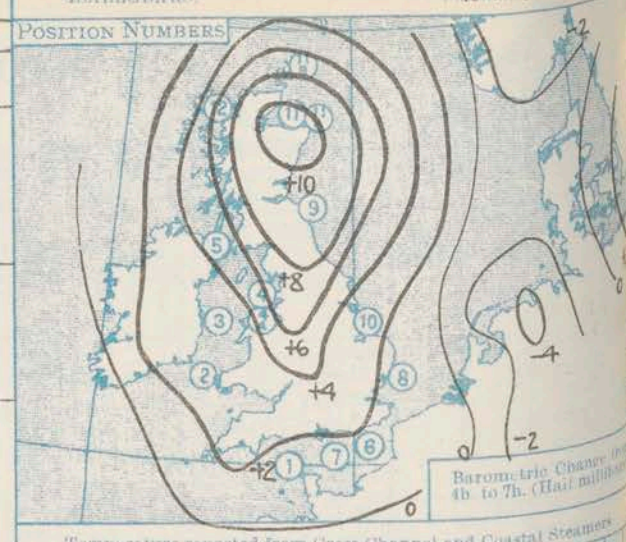
M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS

STATIONS.	WEATHER. 7h.-13h. 9th	13h.-18h. 9th	18h. 9th to 1h. 10th	1h.-7h. 10th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h.	Night. 18h.-7h.	Precipitation began.	SUN. Hours.
Lerwick	oo	ir	r.r.	r or d	53	45	•	2	1	1430	•
Stornoway	Tor δ	Toro	p	oo	54	46	•	4	1	-	0.0
Wick	Tor δ	iR	r or d	omit.	53	46	•	2	2	1100	0.0
Castlebay	δ.p.Tr	Tδ pm	dpmo	dpmoc	?52	49	•	0.3	trace	1330	0.0
Nairn	pcgq	q/prc	cq/pr		58	47	•	1	-	8	1.0
Aberdeen	bc.cp.	op. cq	cmp	oqmr	58	48	47	0.3	1	1100 2400	6.0
Malin Head	T.T.	oq	omq/p	omq	54	49	•	0.3	-	-	0.3
Renfrew	imo.	od δr	oiRq	oid.	58	49	45	0.3	?	1430	?
Leith	oo	oo	c		59	50	46	trace	-	-	•
Eskdalemuir	oo	oir.orr	r or d	p	54	45	43	1	1	1630	3.0
Tynemouth	c	c	oo	oo	61	50	•	-	trace	-	•
Blacksod Point	form	Tor δ	oo	c	?55	?	•	trace	trace	1430	•
Donaghadee	?c.op.	cq/p	cq	cq	62	49	•	0.3	-	1630	•
Birr Castle	c	pc			59			0.3		1530	2.7
Baldonnell	oo	Tor δ	c	oo	60	46	43	0.1	-	9.0	3.6
Holyhead	oo	oo	opcq	c	57	51	49	-	0.1	-	2.0
Liverpool (Bidston)	c	c	cq		59	50	49	-	-	-	2.7
Manchester (Alex. Pk.)	o	iδ.	id.	cq	62	51	46	-	trace	-	•
Howden	oo	c	r or d	c	63	58	45	-	-	-	4.5
Spurn Head		c	oo	c	62	52	•	-	-	-	•
Nottingham	c	bor bc	bc		64	52	49	-	trace	- 22.00	3.5
Cranwell	c	c	c	c	63	50	46	-	-	-	5.5
Gorleston	oq bcq	c	cv ovq	oqoqu	63	53	52	-	-	-	3.8
Pulham	oo	c	oo	oo	64	52	50	-	-	-	3.4
Felixstowe	c	oo		c	64	53	?	-	-	-	3.8
Valencia (Cahirciveen)	c	oo	c	c	57	48	42	-	-	-	2.8
Roches Point	c	oo	b or bc		62	48	•	-	-	-	"
Pembroke (St. Ann's H.)	c	c	b or bc	b or bc	56	50	•	-	-	-	9.2
Ross-on-Wye	bc.cv	c.o.bcv	cog.c	bcb	69	48	38	-	-	-	8.0
Benson	oo	c	b or bc		68	50	41	-	-	-	•
S. Farnborough	c	c	b or bc		70	50	46	•	-	-	10.1
London (KEW OBS.)	o.o.c.o	o.c.bc	bb	bb	67	53	50	-	-	-	4.7
Croydon	o.c.	o.c.bcy	bcyvbq	bcbcq	67	51	48	-	-	-	•
Clacton-on-Sea	c	c	cbc	bc	64	52	49	-	-	-	1.8
Shoeburyness	c	c	b or bc		68	52	45	-	-	-	3.4
Grain	c	oo	c		64	51	46	-	-	-	3.6
Lympne	bc.c.o	bor bc	o c bc b	b or bc	62	47	43	-	-	-	9.3
Scilly (St. Mary's)	bor bc	bor bc	oo	oo	62	54	•	-	-	-	12.6
Falmouth	c.bc.c	c.bc.b	d.	bb	64	51	47	-	-	-	11.6
Plymouth	c	bor bc	oo	c	64	58	46	-	trace	-	11.2
Portland Bill	bor bc	bor bc	b or bc	b or bc	64	52	•	-	-	-	•
Calshot	bcco	c	c	c	69	52	49	-	-	-	10.5
Dungeness	c	c	b or bc	c	64	50	•	-	-	-	•
Jersey	bc.b.	b	ob	ob	62	54	•	-	-	-	11.0

ISALLOBARS. 10th June, 1921.

POSITION NUMBERS



Temperature reported from Cross Channel and Coastal Steamers

Position Number	7	3	8	6
Date	9th	9th	9th	10th
Time G.M.T.	0305	1035	1117	0210
Sea °F	54	51	55	54
Air °F	56	53	59	55

GENERAL INFERENCE.

The depression over the Baltic will move East and over the British Isles the weather will be mainly fair for the next day or two. Strong North-Westerly winds on Friday will moderate and back to West or South-West later the temperature becoming higher on Saturday.

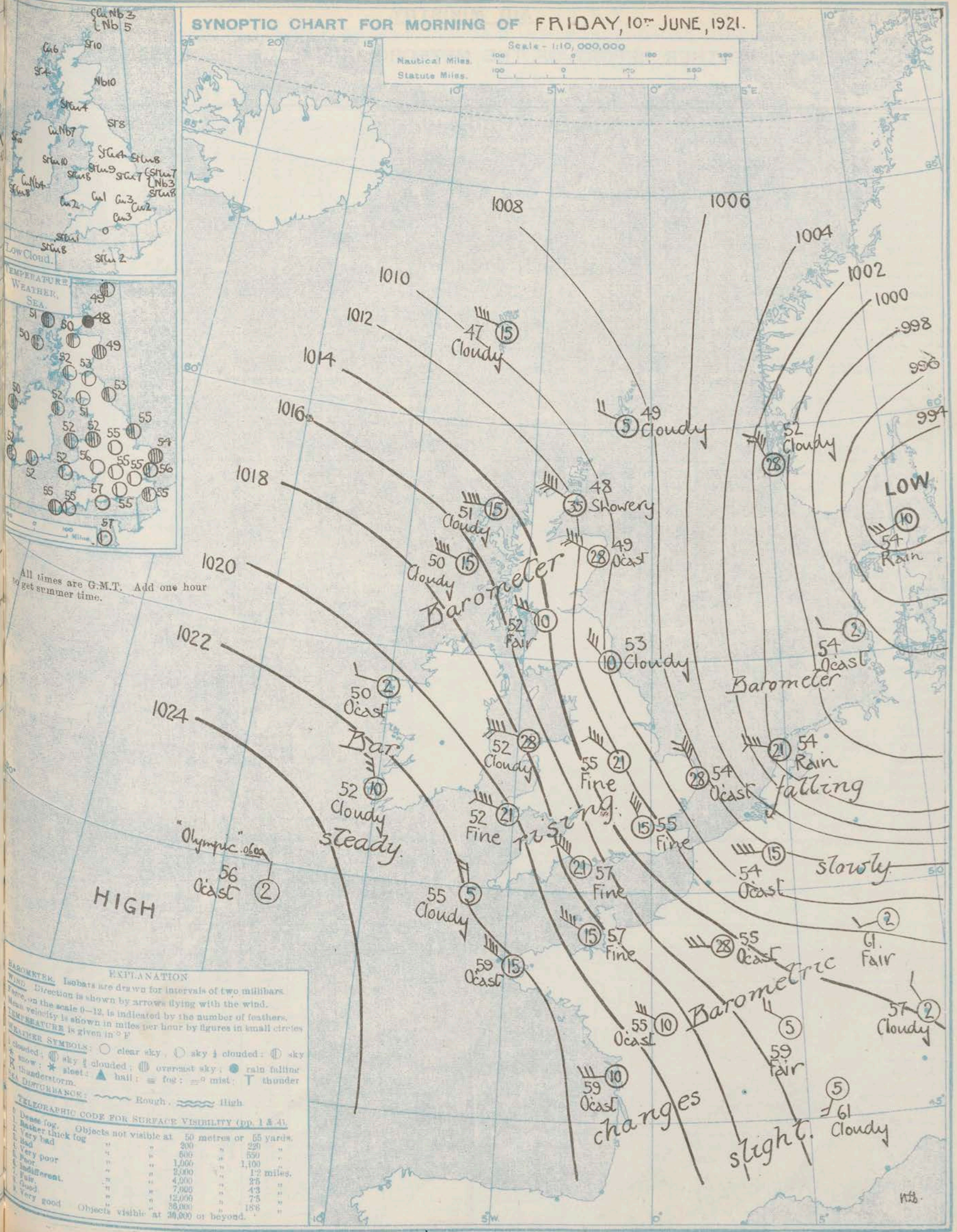
Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Friday 10th June, 1921.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Fresh to strong North-Westerly winds, backing to West and moderating later; some low cloud, but clear intervals; visibility good; rather cool but becoming warmer on Saturday.	Westerly winds and mainly fair weather with a rising temperature.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Fresh to strong North-Westerly winds backing to West and moderating later; varying amount of low cloud; visibility good; cool, but becoming warmer on Saturday.	
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	Fresh to strong North-Westerly winds; backing to West or South-West, moderating later; varying amount of low cloud; visibility good; cool, but becoming warmer on Saturday.	

E.M.N.

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 09.10 G.M.T. G. C. SIMPSON, F.R.S., Director.

Pd. 3183/369 wt. 112. D.621. 24750. 6/21.

SYNOPTIC CHART FOR MORNING OF FRIDAY, 10th JUNE, 1921.



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

EXPLANATION

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

TELEGRAPHIC CODE FOR SURFACE VISIBILITY (pp. 1 & 4).

0	Dense fog. Objects not visible at	50	metres or	55	yards.
1	Rather thick fog " "	200	"	220	"
2	Very bad " "	500	"	550	"
3	Bad " "	1,000	"	1,100	"
4	Very poor " "	2,000	"	1·2	miles.
5	Poor " "	4,000	"	2·5	"
6	Indifferent " "	7,000	"	4·3	"
7	Fair " "	12,000	"	7·5	"
8	Good " "	30,000	"	18·6	"
9	Very good " "				

Objects visible at 30,000 or beyond.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION... FRIDAY, 10th JUNE ...1921. No. 161...

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	Cloud Low Form.	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1001.4	+2	ENE	5	or₀S	48	92	5	-	Nb	10	-	10	*
Stornoway	1006.5	+9	NW	8	PR-	*	*	*	*	*	*	*	*	*
Wick	999.4	+5	NW	3	orr	50	97	6	800	St	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1014.8	+8	W	6	pr₀	51	97	6	450	St	10	-	10	*
Renfrew	1008.1	+8	WNW	6	bc-	51	75	7	1500	CuNb	6	-	6	*
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1005.5	+4	NW	7	cpr₀	47	85	6	2800	Nb	10	-	10	*
Tynemouth	1002.5	-2	WNW	5	o	53	85	8	2500	St	10	-	10	*
Blacksod Point	1019.1	+2	NW	2	o	51	97	4	450	St	10	-	10	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1018.0	+3	W	4	c	49	75	8	2500	St.Cu	8	-	8	*
Holyhead	1014.8	+1	WNW	6	bc-	*	*	8	2500	St.Cu	6	-	6	*
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1006.0	-1	W	6	o	52	92	5	1500	St	10	-	10	*
Spurn Head	1004.1	-3	WNW	8	c-	54	75	8	7250	St.Cu	8	-	8	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1008.6	-1	WNW	6	o	54	75	8	1500	St	4	Ci.St	10	*
Gorleston	1008.0	-4	NW	4	o+	56	92	9	7250	St.Cu	9	-	9	*
Pulham	1007.3	-4	WSW	4	o	55	85	6	1500	St.Cu	10	-	10	*
Felixstowe														
Valencia (Cahirciveen)	1022.4	+2	NNW	3	b-	51	*	*	*	*	*	*	*	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1016.6	+2	WNW	5	b-	52	8	8	-	-	0	-	0	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Beacon	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obs)	?	?	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	1012.2	-3	W'S	5	b	53	85	8	1500	St	3	-	3	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1011.4	-2	WSW	2	b	48	92	8	4000	St.Cu	1	-	1	*
Scilly (St. Mary's)	1019.7	0	WNW	5	o	55	97	8	1500	St	10	-	10	*
Falmouth														*
Plymouth	1017.4	-2	NW	3	c-	57	85	8	2500	St.Cu	7	-	7	*
Portland Bill	1015.0	-2	W	4	b	57	85	8	-	-	0	Ci.Cu	3	*
Calshot	1013.7	-3	SW'W	4	c+	56	85	8	5750	St.Cu	8	-	8	*
Dungeness	1011.3	-2	WSW	4	bc+	51	75	9	-	CuNb	5	-	5	*
Jersey (Guernsey Ih.)	1018.4	0	W	3	od₀d₀	52	85	6	4000	Nb	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	Cloud Low Form.	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	?	+4	NW	2	c/r	44	97	7	5750	Nb	8	-	8	1
Stornoway	1015.3	+3	W	4	bc-	51	75	8	4000	Cu	6	-	6	3
Wick	1012.4	+11	NW	7	opr₀	48	85	8	225	St	10	-	10	6
Castlebay	1017.3	+3	NW	4	bc-	50	85	6	4000	St	4	A.St	6	3
Nairn	1013.7	*	W	2	cg	50	*	*	*	*	*	*	*	3
Aberdeen	1010.6	+11	NW'W	6	o/r	49	85	8	1500	Nb	10	-	10	3
Malin Head	1018.0	+3	NW	4	o-	50	97	8	5750	St.Cu	9	-	9	4
Renfrew	1014.0	+6	WNW	3	bc	52	75	8	2500	St.Cu	4	A.Cu	5	*
Leith	1011.9	+7	NNW	6	b	53	65	5	-	Cu	3	-	3	*
Eskdalemuir	1012.8	+8	NW	3	b-	51	65	8	4000	Cu	1	Ci.Cu	2	1
Tynemouth	1009.7	+7	NNW	3	c-	53	85	8	2500	St	8	-	8	*
Blacksod Point	1021.2	+1	WNW	1	o-	50	97	5	450	St	10	-	10	0
Donaghadee	1016.8	+3	NNW	5	c-	52	65	8	4000	CuNb	7	-	7	6
Birr Castle														*
Baldonnell	1020.4	+3	W	4	o	50	75	8	1500	St.Cu	10	-	10	4
Holyhead	1018.8	+3	WNW	6	c	52	85	8	2500	St.Cu	8	-	8	7
Liverpool (Bidston)	1015.6	+3	W'N	7	ov	52	75	9	1500	Nb	9	-	9	*
Manchester (Alex.Pk.)	1015.5	+7	WNW	5	o	53	65	9	2500	St.Cu	9	-	9	*
Howden	1010.0	+4	WNW	6	c	55	85	7	4000	St.Cu	4	A.St	7	6
Spurn Head	1008.9	+3	NW	8	c	55	92	8	7250	St.Cu	8	-	8	*
Nottingham	1012.3	*	NW	5	b-	56	65	5	4000	Cu	1	-	1	*
Cranwell	1011.4	+5	NW	6	c	55	65	8	4000	St.Cu	7	A.Cu	8	3
Gorleston	1008.8	+1	NNW	6	o	54	92	7	5750	St.Cu	10	-	10	*
Pulham	1009.5	+3	NW	5	o	54	75	7	2500	St.Cu	10	-	10	4
Felixstowe	1010.8	+1	NW	5	c-	56	65	8	2500	St.Cu	8	-	8	*
Valencia (Cahirciveen)	1023.2	0	NNW	3	c-	52	75	8	-	St.Cu	8	-	8	0
Roches Point	1022.3	0	NNW	5	bc	52	92	8	5750	CuNb	4	-	4	4
Pembroke (St. Ann's H.)	1020.5	+3	NW	5	b	52	85	?	4000	Cu	2	-	2	*
Ross-on-Wye	1016.1	+2	NW	4	b	56	65	8	4000	Cu	1	-	1	*
Beacon	1014.5	+3	NW	4	b	55	65	8	-	Cu	3	-	3	*
S. Farnborough	1014.7	+3	NW	6	b+	55	65	9	2500	Cu	3	-	3	*
London (Kew Obs)	1013.3	+2	NNW	4	b-	55	55	8	4000	Cu	2	-	2	*
Croydon	1013.8	+1	NW	5	bc	55	65	8	4000	Cu	5	-	5	0
Clacton-on-Sea	1016.2	+2	WNW	5	bc	56	65	7	5750	Cu	5	-	5	*
Shoeburyness	1011.9	+3	WNW	5	bc-	57	68	7	4000	St.Cu	5	-	5	3
Grain	1011.6	+2	WNW	6	b	56	65	8	4000	Cu	3	-	3	*
Lympne	1012.2	+1	NW'W	4	o+	52	75	8	2500	St	10	-	10	3
Scilly (St. Mary's)	1021.7	+1	NNW	2	c-	55	85	8	7250	St.Cu	8	-	8	*
Falmouth	1020.2	+2	N	5	b	55	75	8	-	St.Cu	1	-	1	*
Plymouth	1019.5	+4	NW	4	b	53	75	8	2500	St.Cu	1	-	1	3
Portland Bill	1016.3	+2	NW'W	5	b	57	85	8	-	-	0	-	0	3
Calshot	1015.7	+2	WNW	5	b	55	75	8	-	-	0	-	0	4
Dungeness	1012.5	+3	WSW	4	c	55	65	8	7250	CuNb	5	A.Cu	8	3
Jersey (Guernsey Ih.)	1018.1	0	NW	4	b	57	75	8	4000	St.Cu	2	-	2	*

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

Stations	Weather Forenoon	Weather Afternoon	Temperature Max. Day °F.	Temperature Min. Night °F.	Rainfall† Night 17h.-9h. 8th-9th mm.	Rainfall† Day 9h.-17h. 9th mm.	Sunshine Sunrise to 17h. 9th hr.	Sunshine Sunrise to Sunset 8th hr.
Banff	o	op	56	40	1	1	1.9	0.1
Montrose	b.bc	o	56	43	9	-	4.2	?
Llandudno	o.c	c.b	60	49	-	-	3.2	2.8
Colwyn Bay	bc.c.bc	bc.bc.c	61	48	-	-	3.0	3.7
Rhyl	c	bc	62	50	-	-	3.0	2.6
Southport	c.o	bc.c.o	59	52	-	-	3.2	4.7
Blackpool	c.	o	59	52	-	-	5.1	3.6
Harrogate	c.o.	o.c.bc	60	48	0.3	-	4.9	0.1
Skegness	o.c	c.b	63	52	1	-	4.2	2.7
Aberystwyth	r.o.c	c.o	56	50	0.3	-	2.0	4.5
Bath	b.bc	b.bc.c.o	65	50	0.3	-	7.1	3.9
Leamington Spa	c.b.	c.b	65	49	0.2	-	1.5	3.3
Lowestoft	o.c.bc	bc.c.o.c	63	53	-	-	2.0	4.9
Felixstowe	o	o	64	53	-	-	2.3	6.2
Southend	c.o	c	67	49	-	-	3.6	6.8

Stations	Weather Forenoon	Weather Afternoon	Temperature Max. Day °F.	Temperature Min. Night °F.	Rainfall† Night 17h.-9h. 8th-9th mm.	Rainfall† Day 9h.-17h. 9th mm.	Sunshine Sunrise to 17h. 9th hr.	Sunshine Sunrise to Sunset 8th hr.
Paignton	b	b.bc	69	51	-	-	9.7	8.4
Ilfracombe	b.bc.c	c.bc.c.o	56	53	-	-	8.4	3.7
Bude	b	c	61	48	-	-	9.4	8.1
Penzance	bc	bc	64	53	-	-	9.4	9.7
Torquay	by	b.bcy	68	51	-	-	10.5	12.3
Weymouth	b	bc.c	71	50	-	-	9.0	9.2
Bournemouth	b	b	70	47	-	-	8.5	8.5
Portsmouth (S'thsea)	b	b	69	51	-	-	8.7	8.4
Worthing	b.bc	bc	65	50	-	-	8.3	9.5
Brighton	c	c	65	50	-	-	7.3	9.0
Eastbourne	bc	c.o	66	51	0.1	-	6.6	8.5
Hastings	bc.b.bc	c.o	65	50	-	-	6.9	9.1
Folkestone	bc	bc.c	66	51	-	-	6.8	10.5
Tunbridge Wells	bc.c	o.c	66	48	-	-	3.0	7.3
Ramsgate	bc	bc	64	51	-	-	3.5	7.2
Margate	o.c	o	64	50	-	-	2.0	6.7
Deal	c	c	65	47	-	-	4.3	8.0

* 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.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.21,751 SATURDAY, 11th JUNE 1921. Page 1.

Observations at 1300 G.M.T. 10th / Observations at 1800 G.M.T. 10th

Stations	1300: 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	1800: 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	1011·4	+3	NW	4	o-	49	75	8	7250	StCu	10	-	10	*	1009·2	+1	WSW	4	o	50	85	8	7250	StCu	10	-	10	3
Stornoway	1014·4	-2	W	4	b-	58	55	8	-	-	-	Ci	2	*	1012·2	-3	WSW	4	o+	53	65	7	450	St	10	-	10	3
Wick	1012·5	+2	NW	4	bc-	54	65	8	4000	Cu	4	-	4	*	1011·3	-1	WNW	2	o+	55	65	7	-	-	-	a Cu	9	0
Castlebay	1017·2	0	WSW	5	o+	52	85	6	7250	St	10	-	10	*	1013·9	-3	SW	4	o+	51	85	6	1500	St	10	-	10	4
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1011·9	*	W	1	o	57	*	*	*	*	*	*	*	*
Aberdeen	1015·6	+2	NW'W	4	c-	58	65	8	2500	Cu	7	-	7	*	1013·3	-1	SSE	3	o+	53	75	8	4000	Cu	1	Ci St	9	0
Malin Head	1018·4	0	WNW	3	c-	54	92	7	7250	StCu	2	Ci St	6	*	1014·9	-8	SW	3	o+	51	97	7	5750	StCu	10	-	10	3
Renfrew	1016·1	+3	NW	3	bc	60	55	8	2500	Cu	5	Ci	6	*	1015·0	-3	WSW	4	o+	52	65	8	-	-	-	a St	10	*
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1013·3	*	W	2	o+	60	55	7	-	-	-	Ci St	10	*
Eskdalemuir	1015·2	+1	NW	3	bc+	61	55	8	5750	Cu	2	Ci	4	*	1014·4	*	NW	2	c-	56	65	8	-	-	-	a St	8	*
Tynemouth	1014·8	+2	NE	4	bc-	56	85	8	4000	Cu	4	a Cu	6	*	1015·5	-1	SE	2	o	54	85	8	2500	St	2	a St	10	
Blacksod Point	1020·0	-1	SW	2	o	56	97	6	-	-	-	Ci St	10	*	1017·0	-3	SW	3	o+	52	85	7	450	St	10	-	10	1
Donaghadee	1018·7	+1	N	2	o	56	92	8	-	-	-	a Cu	9	*	1016·5	-2	SE	1	o+	53	75	8	7250	StCu	9	-	9	1
Birr Castle	1020·4	*	NW	1	c-	62	65	7	-	-	-	Ci Cu	7	*	1017·9	*	W	3	c+	61	75	7	2500	Cu	5	Ci Cu	8	*
Baldonnell	1020·3	-1	WSW	3	c	64	55	8	2500	Cu	3	a Cu	8	*	1016·8	-4	W'S	2	o	63	55	9	225	StCu	6	a St	9	*
Holyhead	1020·0	+1	WNW	5	c	56	75	8	2500	Cu	1	Ci St	7	*	1018·5	-2	SSW	4	o	54	85	8	-	-	-	a Cu	9	1
Liverpool (Bidston)	1018·3	+2	WNW	6	bc+	56	65	7	4000	Cu	6	-	6	*	1017·9	-2	W	3	cv	56	65	9	1500	CuNb	2	Ci Cu	7	4
Manchester (Alex.Pk.)	1018·3	+4	W	5	bc	61	55	8	2500	StCu	6	-	6	*	1018·5	-1	W	3	o	56	65	7	4000	StCu	3	a St	10	*
Howden	1016·1	+5	N	4	o	62	75	8	4000	StCu	9	-	9	*	1015·3	0	WSW	4	o-	62	75	7	2500	StCu	3	Ci St	9	*
Spurn Head	1014·5	+6	NW	7	c-	57	85	9	450	St	8	-	8	*	1016·5	+1	N	3	c	55	85	9	800	St	8	-	8	3
Nottingham	1016·5	0	NW	4	bc-	62	55	6	4000	StCu	2	a Cu	5	*	1017·3	*	NW	3	o+	60	65	5	4000	StCu	3	Ci St	9	*
Cranwell	1015·8	+4	NW'N	5	c	65	55	8	1500	StCu	8	-	8	*	1016·7	+1	W	4	o-	64	55	8	2500	StCu	1	a St	9	*
Gorleston	1013·1	+5	N'E	7	c-	58	92	8	4000	StCu	8	-	8	*	1017·6	+5	N'E	5	bc-	56	75	8	7250	StCu	6	-	6	3
Pulham	?	+6	NW	6	o	57	75	8	5750	St	5	a St	10	*	1017·1	+2	NNW	2	bc	58	75	8	-	-	-	Ci	5	*
Felixstowe	1015·4	+5	NNW	5	o	60	65	8	4000	StCu	10	-	10	*	1017·8	+2	N'W	3	bv	61	65	9	-	-	-	Ci	1	2
Valencia (Cahirciveen)	1022·5	-1	W'S	3	b-	54	75	8	4000	Cu	2	-	2	*	1020·8	-3	SW	3	o+	54	75	8	1500	St	6	a St	10	1
Roches Point	1023·8	0	SSW	4	b-	58	85	8	4000	Cu	1	-	1	*	1020·7	-4	SW	4	b+	60	85	8	-	-	-	Ci Cu	2	3
Pembroke (St. Ann's H.)	1022·2	+2	W	3	b	56	75	8	4000	Cu	1	-	1	*	1020·8	-1	WSW	3	b	54	85	8	-	-	-	a St	1	4
Ross-on-Wye	1017·5	+2	WNW	3	b-	70	45	9	-	-	-	Ci	1	*	1017·5	0	NW	3	bc+	68	45	9	-	-	-	Ci Cu	4	*
Benson	1017·0	+3	N	5	b	66	45	8	-	Cu	3	-	3	*	1017·8	+1	NNW	2	bc+	66	45	8	-	-	-	Ci	5	*
S. Farnborough	1016·7	+3	W	3	bc	69	45	8	4000	Cu	4	-	4	*	1017·7	+1	NW	2	c+	68	45	9	-	-	-	Ci St	7	*
London (KEW OBS)	1016·9	+4	NNW	4	bc	64	55	8	5750	Cu	6	-	6	*	1017·9	+1	NNW	3	bc+	66	45	8	-	-	-	Ci St	5	*
Croydon	1017·1	+3	NW	4	c+	62	55	8	4000	Cu	8	-	8	*	1017·9	+1	NW	2	c ⊕	65	45	9	-	-	-	Ci St	8	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1017·3	+3	NW	4	bc-	63	55	7	7250	Cu	3	a Cu	5	0
Shoeburyness	1015·6	+6	NNW	5	o-	62	55	7	2500	StCu	9	-	9	*	1017·1	+2	N	1	b-	64	55	8	-	-	-	Ci St	2	*
Grain	1016·3	+5	NW	5	o+	61	65	8	4000	StCu	10	-	10	*	1016·7	+1	-	0	b-	63	75	8	4000	Cu	1	Ci	2	0
Lympne	1015·6	+4	WNW	5	o	60	65	9	2500	StCu	10	-	10	*	1017·2	+1	N'W	3	bc-	62	65	8	1500	StCu	4	-	4	*
Scilly (St. Mary's)	1023·3	+1	NW	2	b	60	75	8	4000	Cu	1	-	1	*	1022·6	-1	W'N	2	c+	56	85	8	7250	StCu	8	-	8	2
Falmouth	1022·4	+2	NW	5	b	60	65	8	-	-	-	-	-	*	1021·8	-1	WNW	3	b	61	65	7	-	-	-	-	-	*
Plymouth	1020·8	+3	NNW	3	b-	64	55	8	-	-	-	-	-	*	1020·8	0	NNW	3	b	61	55	8	-	-	-	-	-	*
Portland Bill	1018·3	+2	NW'W	4	b	59	85	8	-	-	-	Ci Cu	1	*	1018·4	+1	WNW	4	b	60	85	8	-	-	-	-	-	3
Calshot	1017·5	+2	NW'NW	5	b	66	55	9	-	-	-	Ci	1	*	1018·0	0	WNW	4	bc+	66	65	8	-	-	-	Ci St	4	0
Dungeness	1015·4	+4	NNW	5	c	64	55	9	5750	Cu	4	Ci Cu	7	*	1017·7	+1	N	3	bc	65	55	9	5750	Cu	5	-	5	3
Jersey	1021·2	+1	WNW	4	b	60	65	8	-	-	-	-	-	*	1021·2	0	WNW	4	b	59	75	8	-	-	-	-	-	3

LONDON OBSERVATIONS.

24 Hours ended 0900 G.M.T. 11th (Sunshine, Humidity 15h.: Yesterday; Humidity 9h.: To-day)

London Observations	Weather: Morning	Weather: Afternoon	Weather: Night	Temperature: Max. °F.	Temperature: Min. °F.	Temperature: Min. on Grass °F.	Rainfall: mm	Rainfall: hrs	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. %
Kew	b.bcqbq	bc.c.bcq	bbcc	*	*	43	-	-	12·1	*	*
Croydon (24 hours ended 0700)	bc cqy	c	b o	*	*	43	-	-	*	*	*
Greenwich (Royal Obsy.)	c	c ⊕	c	71	48	37	-	-	10·3	49	67
City (Bunhill Row)	*	*	*	*	*	*		*	10·6	*	*
Westminster (St. James' Pk.)	*	*	*	69	49	44	-	-	11·8	47	65
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*		*	12·1	*	*
Camden Sq. (Brit. Rainfall)	c	c	*	71	48	45	-	-	*	43 (18h.)	60
Kensington Palace	c bc	bc	*	68	48	43	-	-	*	50	63
Hampstead Observatory	*	*	*			*			10·7	*	

ATMOSPHERIC POLLUTION. Lbs. of Solid impurity per million cubic yards. 24 Hr. ended 1800 G.M.T. 10th

South Kensington

Max.	Time.	Min.	Time.
0·2 / 0·4	1800 9th / 1000 10th	<0·2	0100 10th

Kew Observatory

Max.	Time.	Min.	Time.
<½	1600 9th to 1600 10th	<½	1600 9th to 1600 10th

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

South Kensington.

Total 2156 joules

Average Rate 36·4 Milliwatts.

Maximum Rate 90 Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 10th 21 h. 30 m. to 11th 02 h. 30 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	5·0	4. 48	96
δ Ursae Minoris	5·0	4 19	86

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

11th & 12th June 1921.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3·32 / 3·32	11·52 / 11·52	8·13 / 8·13
Greenwich	3·45 / 3·45	11·59 / 11·59	8·13 / 8·14
Wick	3·8 / 3·8	12·11 / 12·11	9·14 / 9·16
Valencia	4·23 / 4·23	12·40 / 12·40	8·58 / 8·58

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.
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"; bc = cloud 0-5; co = cloud 6-10.

Capital letters indicate intensity, 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, 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.

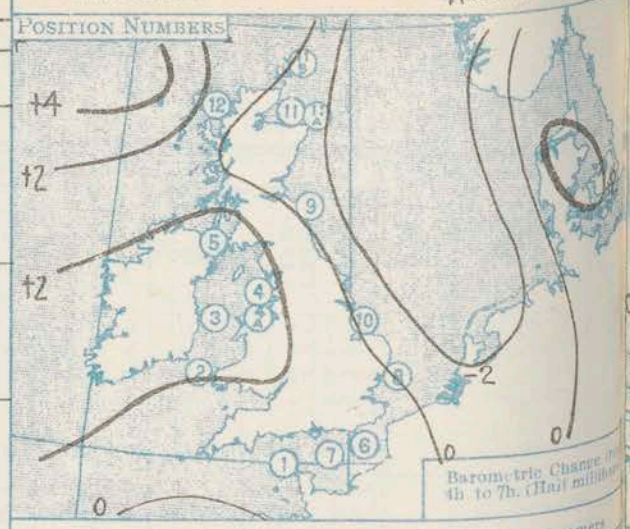
Beaufort No.	Statute miles per hour.	Metres per second.
0	Less than 1.	Less than 0·3
1	1-3	0·3-1·5
2	4-7	1·6-3·3
3	8-12	3·4-5·4
4	13-18	5·5-7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

* 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. 10th	13h.-18h. 10th	18h.-19.5 to 1h. 11th	1h.-7h. 11th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h.	Night 18h.-7h.	Precipitation began.	SUN. Hours.
Lerwick	oo	oo	r or d	ir	52	45	*	-	3	-	*
Stornoway	b or bc	c	oo	p	58	46	*	-	4	-	6·8
Wick	c	c	ir	r or d	58	45	*	-	1	- 230	*
Castlebay	c o	o	obc		52	47	*	-	0·5	-	6·6
Nairn	c. bc	bc. cgz	oupc		63	46	*	-	0·3	-	6·2
Aberdeen	cq. c	b or bc	bec		61	45	40	-	0·4	- 2200	4·9
Malin Head	c	oo	omi	b	55	49	*	-	0·2	-	5·1
Renfrew	b or bc	oo	oir	or m	62	48	44	-	1	-	*
Leith	c	c	p		66	48	46	-	0·2	-	*
Eskdalemuir	bq. bcz	oo	or m	irom	62	45	42	-	3	- 2200	10·6
Tynemouth	c	c	m	cir	59	49	*	-	trace	- 230	*
Blacksod Point	oo	oo	oo	c	56	50	*	trace	trace	-	*
Donaghadee	cq	c	oq	p	58	48	*	-	-	-	*
Birr Castle	bc	c	c		65	50	47	-	-	-	9·7
Baldonnell	c	c	c	oo	65	49	46	-		-	7·4
Holyhead	c. bc.	c	c	c	61	50	48	-	-	-	7·3
Liverpool (Bidston)	c	b or bc	c		58	51	46	-	-	-	7·5
Manchester (Alex. Pk.)	oo	c	oo		62	44	37	-	-	-	*
Howden	oo	c	oo	c	59	49	42	-	trace	- 330	6·7
Spurn Head	c	c	c	c	56	49	*	-	-	-	*
Nottingham	c	c	c		66	50	46	-	-	-	11·8
Cranwell	c	c	c	c	67	47	40	-	trace	- 5·30	8·5
Gorleston	c	oo	c	c	59	50	47	-	-	-	1·9
Pulham	oo	b or bc	c	c	60	45	36	-	-	-	3·7
Felixstowe	oo	c	b or bc	c	63	51	*	-	-	-	5·1
Valencia (Cahirciveen)	b or bc	b or bc	c	c	54	50	50	-	trace	-	7·8
Roches Point	b or bc	b or bc	oo		62	53	*	-	-	-	*
Pembroke (St. Ann's H.)	b or bc	b or bc	oo	c	58	52	*	-	-	-	13·9
Ross-on-Wye	b bc. by	b/bcy	ocvov		73	48	41	-	-	-	14·2
Benson	b or bc	b or bc	oo		69	45	33	-	-	-	*
S. Farnborough	b or bc	b or bc	c		71	45	40	-	-	-	15·2
London (Kew Obs.)	b bcq/bq	bc. c. bcy	b bc. c		67	49	43	-	-	-	12·1
Croydon	bc. cq/	c	⊕ycbcb	bo	67	47	43	-	-	-	*
Clacton-on-Sea	bc.	o. bc.	c		64	50	47	-	-	-	3·6
Shoeburyness	c	b or bc	b or bc		67	48	38	-	-	-	5·9
Grain	c	oo	b or bc		65	48	38	-	trace	-	5·2
Lympne	o. c. o	c	b or bc	b or bc	64	46	44	-	-	-	5·9
Scilly (St. Mary's)	b or bc	b or bc	oo	oo	61	54	*	-	-	-	9·5
Falmouth	b b	b. bz		oowd	63	51	46	-	-	-	14·1
Plymouth	b or bc	b or bc	c		65	52	46	-	-	-	15·1
Portland Bill	b or bc	b or bc	b or bc	c	64	49	*	-	-	-	*
Calshot	b or bc	b or bc	b or bc	c	69	46	41	-	-	-	14·3
Dungeness	c	b or bc	b or bc	c	67	52	*	-	-	-	*
Jersey	b or bc	b or bc	og		62	53	*	-	-	-	14·0

ISALLOBARS. 11th JUNE, 1921.



Temperature reported from Cross Channel and Coastal Steamers

Position Number.															
Date															
Time G.M.T.															
Sea ° F															
Air ° F															

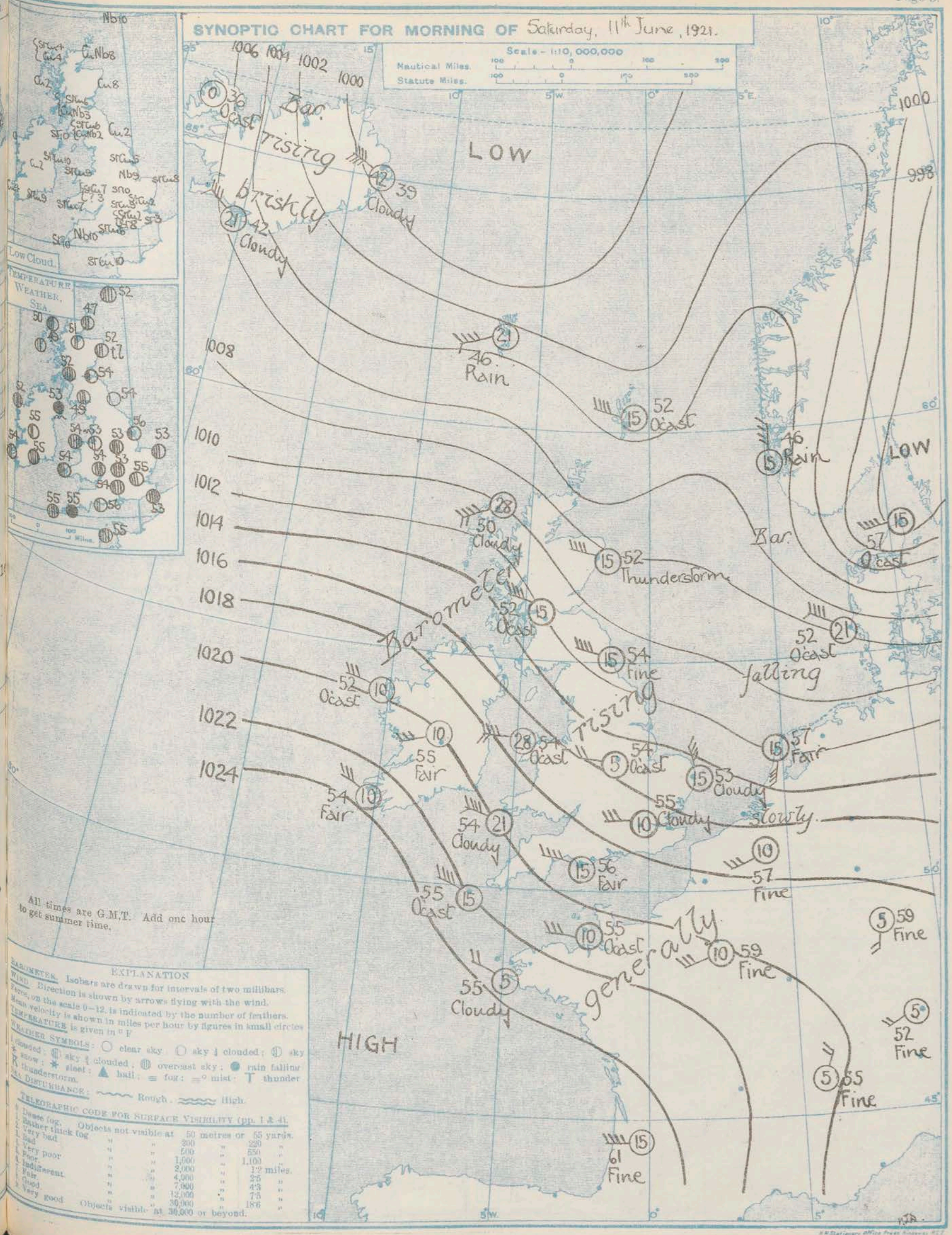
GENERAL INFERENCE.

The anticyclone north of the Azores will cause fair weather with North-Westerly winds generally during the next day or two but local showers are probable on Saturday.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Saturday, 11th June, 1921.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland	Moderate to fresh North-Westerly winds; some local showers not improbable but becoming fair generally; visibility good; rather cool.	Mainly fair with winds from between West and North.
20. S.W. Ireland	Light to moderate North-Westerly winds; fair to fine; visibility good; moderate temperature.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 09.25.

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


SYNOPTIC CHART FOR MORNING OF Saturday, 11th June, 1921.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
LOW
Bar. rising briskly.
Barometer rising generally.
Bar. falling slowly.
LOW
HIGH
1000
998
1002
1004
1006
1008
1010
1012
1014
1016
1018
1020
1022
1024
Low Cloud.
TEMPERATURE
WEATHER.
SEA.
All times are G.M.T. Add one hour to get summer time.
EXPLANATION
BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Direction is shown by arrows flying with the wind.
Force, on the scale 0–12, is indicated by the number of feathers.
Mean velocity is shown in miles per hour by figures in small circles
TEMPERATURE is given in °F
WEATHER SYMBOLS: clear sky; sky ¼ clouded; sky ½ clouded; sky ¾ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
SEA DISTURBANCE: Rough; High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY (pp. 1 & 41.
0 Dense fog. Objects not visible at 50 metres or 55 yards.
1 Rather thick fog " " 200 " 220 "
2 Very bad " " 500 " 550 "
3 Bad " " 1,000 " 1,100 "
4 Very poor " " 2,000 " 1·2 miles.
5 Poor " " 4,000 " 2·5 "
6 Indifferent " " 7,000 " 4·3 "
7 Fair " " 12,000 " 7·5 "
8 Good " " 30,000 " 18·6 "
9 Very good Objects visible at 30,000 or beyond.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION....SATURDAY, 11th JUNE.....1921. No. 162.

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	1006·6	-4	WSW	3	R	48	92	6	5750	Nb	10	-	10	*
Stornoway	1008·4	-3	WSW	3	PR	*	*	6	*	*	*	*	*	*
Wick	1006·3	-5	SSW	2	ofr	46	92	9	5750	St.Cu	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1011·3	-4	WNW	6	0	51	97	8	5750	StCu	10	-	10	*
Renfrew	1010·9	-4	WSW	3	or	50	85	7	800	St	10	-	10	*
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1011·8	-3	WSW	2	fo	46	97	3	800	Nb	10	-	10	*
Tynemouth	1011·3	-3	SW	1	0	53	85	7	4000	St.Cu	10	-	10	*
Blacksod Point ...	1016·9	+2	W	3	0	52	85	4	450	St	10	-	10	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell														*
Holyhead	1015·3	+2	W	5	C	*	*	8	1500	St.Cu	6	A.St	8	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1013·4	-4	SW	1	0	50	92	6	2500	St	10	*	10	*
Spurn Head	1013·4	-3	W	2	c	52	92	8	5750	St.Cu	7	*	7	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1015·6	-2	SW	2	bc+	47	85	7	2500	St.Cu	5	*	5	*
Gorleston	1016·0	-2	W	3	c	50	97	7	7250	St.Cu	8	*	8	*
Pulham	1016·0	-2	SSW	2	0	52	97	7	4000	St.Cu	9	*	9	*
Felixstowe	1016·9	-2	S'W	4	bc+	56	85	8	7250	St.Cu	6	*	6	*
Valencia (Cahirciveen)	1020·8	0	WNW	4	c	45	*	6	*	St.Cu	8	*	8	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St.Ann's H.)	1018·6	-1	WSW	5	0	53	92	8	450	St	10	*	10	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obs.) ...			*	*	*	*	*	*	*	*	*	*	*	*
Croydon	1017·3	-3	SSW	1	b	52	85	8	-	-	-	Ci.St	1	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1017·0	+1	*	0	b+	53	92	8	2500	St.Cu	3	*	3	*
Scilly (St. Mary's) ...	1021·8	0	WNW	4	0	54	92	8	4000	St	10	*	10	*
Falmouth														*
Plymouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1019·4	+1	W	4	b	58	85	8	*	*	*	*	0	*
Ushot	1018·8	0	W	3	b	51	92	8	*	*	*	A.Cu	1	*
Dungeness	1017·7	-2	SW	2	bc+	55	92	8	5750	St.Cu	6	*	6	*
Jersey (Guernsey Ih.)	1021·0	-2	WNW	4	b+	52	85	7	5750	Cu	3	*	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	1003·0	-1	W'N	4	ofr	52	92	6	-	Nb	10	-	10	4
Stornoway	1010·6	+5	WSW	6	c/r	50	65	7	4000	Cu	8	-	8	4
Wick	1006·1	0	NW	3	c/r	47	97	7	2500	Cu.Nb	8	-	8	4
Castlebay	1014·0	0	WSW	5	bc+	49	75	8	7250	Cu	2	A.St	6	4
Nairn	1008·4	*	W	3	bcg	51	*	*	*	*	*	*	8	0
Aberdeen	1008·6	0	W'N	4	ctl	52	75	8	2500	Cu	8	-		
Malin Head	1015·9	+4	WNW	4	c+	50	97	8	5750	StCu	4	Ci.St	7	5
Renfrew	1011·9	+2	WNW	4	0	52	85	8	2500	St.Cu	9	-	9	*
Leith	1009·9	+1	SW	4	bc	54	75	9	-	Cu	5	-	5	*
Eskdalemuir	1012·0	+2	WNW	5	c	49	75	8	2500	St.Cu	8	-	8	*
Tynemouth	1010·8	0	WNW	4	b	54	85	8	4000	Cu	2	-	2	1
Blacksod Point ...	1019·4	+2	WNW	3	0	52	85	7	-	-	-	Ci.St	10	1
Donaghadee	1013·3	+3	WNW	4	opr	53	75	8	450	St	10	-	10	6
Birr Castle	1020·3	*	W	3	bc+	55	85	8	4000	Cu	2	A.Cu	6	*
Baldonnell	1018·8	+2	W'N	4	0	52	75	8	1500	St.Cu	10	-	10	*
Holyhead	1017·5	+2	WNW	6	0	54	85	8	2500	St.Cu	9	-	9	5
Liverpool (Bidston) ...	1013·3	+2	W	6	bc+	53	85	9	1500	St.Cu	4	-	4	6
Manchester (Alex.Pk.)	1015·1	+2	NW	5	0	53	75	7	2500	St.Cu	10	-	10	*
Howden	1013·0	+2	W	3	c	55	85	7	4000	St.Cu	5	A.St	7	*
Spurn Head	1013·3	-2	WNW	6	bo	56	92	8	7250	Cu	5	*	5	2
Nottingham	1015·0	*	W	2	0	54	85	5	2500	St.Cu	7	Ci.St	10	*
Cranwell	1015·1	+1	W'N	4	od	52	85	8	1500	Nb	9	A.St	10	*
Gorleston	1014·1	0	NNW	4	c	53	75	8	7250	St.Cu	8	-	8	0
Pulham	1014·1	0	WSW	4	c	53	85	7	2500	St.Cu	8	-	8	*
Felixstowe	1015·7	0	NW'W	4	bc+	53	85	8	5750	St.Cu	6	-	6	3
Valencia (Cahirciveen)	1023·6	+3	NW	3	bc	54	75	9	2500	Cu	4	A.Cu	5	1
Roches Point	1022·3	+3	NW	3	0	55	85	9	1500	St.Cu	9	-	9	0
Pembroke (St.Ann's H.)	1020·0	+1	NW	5	c	54	85	8	5750	St.Cu	7	-	7	4
Ross-on-Wye	1017·5	+2	WNW	2	ov	54	75	9	2500	St.Cu	10	-	10	*
Benson...	1016·9	+2	W	2	0	53	75	7	-	St	10	-	10	*
S. Farnborough ...	1017·4	+1	W	3	0	54	75	8	4000	St.Cu	9	-	9	*
London (Kew Obs.) ...	1017·0	+1	W	3	c	55	75	8	2500	St.Cu	2	A.Cu	8	*
Croydon	1017·3	0	W	4	c	54	75	8	5750	St.Cu	8	-	8	*
Clacton-on-Sea ...	1015·0	0	WNW	4	c	51	92	7	7250	St.Cu	7	-	7	2
Shoeburyness	1015·8	+1	WNW	4	b	54	75	7	4000	Cu	2	-	5	0
Grain	1016·3	0	WSW	4	bc	54	85	7	5750	St.Cu	5	-	5	*
Lympne	1016·6	+2	W'N	3	c	51	92	8	1500	St	3	A.Cu	8	*
Scilly (St. Mary's) ...	1022·1	+1	WNW	4	0	55	97	8	2500	St.	10	-	10	*
Falmouth	1021·3	+2	NW	4	od	55	92	7	-	Nb	10	-	10	*
Plymouth	1020·3	+2	NW	4	0	55	75	8	1500	St.Cu	10	-	10	*
Portland Bill	1018·7	-1	WNW	4	bc+	56	92	8	1500	St.Cu	6	-	6	0
Ushot	1018·2	0	SW'W	3	0	54	85	8	2500	St	10	-	10	0
Dungeness	1016·9	+2	SW	3	0	53	85	8	800	St	6	A.Cu	9	3
Jersey (Guernsey Ih.)	1021·3	0	W	3	0	55	75	8	2500	St.Cu	10	-	10	3

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

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day °F.	Temperature. Min. Night. °F.	Rainfall.† Night 17h.-9h. 9th-10th mm.	Rainfall.† Day 9h.-17h. 10th mm.	Sunshine. Sunrise to 17h. 10th hr.	Sunshine. Sunrise to Sunset. 9th hr.
Banff	c.bc	bc.c.o	58	48	9	-	4·5	1·9
Montrose	o	bc.	64	50	-	-	7·0	4·2
Llandudno	c.b	b.bc	60	51	0·2	-	8·1	3·5
Colwyn Bay ...	b	b	60	50	-	-	7·3	3·4
Rhyl...	o.bc	bc	60	51	-	-	9·3	3·5
Southport	c.bc.b	b.bc.c.o	58	51	trace	-	16·9	3·2
Blackpool	c.o	c.b	59	52	-	-	11·6	5·1
Harrogate	b.bc.b	b.bc	67	48	0·1	-	11·7	5·3
Skegness	c.oV	cV.o.b	59	52	-	-	4·4	5·7
Aberystwyth ...	c.o.c	o.c	58	51	-	-	11·0	2·5
Bath	b	b	69	49	-	-	11·6	7·5
Leamington Spa ...	b	b	64	51	-	-	9·5	3·0
Lowestoft	bg	o.c.bc	61	53	-	-	1·1	2·8
Felixstowe	og	b	63	53	-	-	3·7	3·4
Southend	bc.c.og	c.bc	66	51	-	-	6·0	4·7

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day. °F.	Temperature. Min. Night. °F.	Rainfall.† Night 17h.-9h. 9th-10th mm.	Rainfall.† Day 9h.-17h. 10th mm.	Sunshine. Sunrise to 17h. 10th hr.	Sunshine. Sunrise to Sunset. 9th hr.
Paignton	b	b	71	50	-	-	12·2	10·1
Ilfracombe	o.c.bc.b	b	58	53	-	-	8·8	8·5
Bude	.b.	b	60	52	-	-	11·8	9·8
Penzance	bc.b.	b	63	53	-	-	10·6	10·7
Torquay	by	by	70	52	-	-	12·5	10·9
Weymouth	b	b	76	51	-	-	12·0	9·2
Bournemouth ...	b	b	70	51	-	-	12·5	10·6
Portsmouth (S'thesa)	b	b	73	52	-	-	12·5	10·4
Worthing	b	b	70	52	-	-	12·0	10·0
Brighton	bc	b	72	54	-	-	12·0	8·7
Eastbourne ...	c.bc	bc	71	53	-	-	10·8	7·6
Hastings	bc.b.bc	bc.b	66	49	-	-	9·3	8·2
Folkestone	c.bc	c.bc	70	49	-	-	4·4	6·8
Tunbridge Wells ...	bc	bc	69	50	-	-	8·3	4·5
Ramsgate	c	c	59	48	-	-	1·4	4·0
Margate	c	c	60	53	-	-	0·1	2·2
Deal	o.c	c.bc	62	51	-	-	0·7	5·5

* 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.21152 SUNDAY 12th JUNE 1921. 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	1009.4	+4	W'N	4	fo-	49	75	6	-	Nb	8	-	8	*
Stornoway	1014.4	+4	WNW	6	o	52	65	7	4000	St.Cu	9	-	9	*
Wick	1010.9	+4	WNW	4	c	53	65	8	2500	Cu.Nb	7	-	7	*
Castlebay	1018.6	-1	WNW	5	bc+	51	75	7	5700	Cu.Nb	2	A.Cu	6	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1012.9	+4	NW'W	5	bc-	56	55	8	2500	Cu	4	-	4	*
Malin Head	1019.9	+4	NW	4	c	50	97	8	5750	St.Cu	3	Ci.St	6	*
Renfrew	1016.8	+5	WNW	4	c	54	75	8	2500	St.Cu	8	-	8	*
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1015.8	+4	WNW	5	c	55	55	8	4000	St.Cu	8	-	8	*
Tynemouth	1013.2	+1	NNW	4	o	61	75	8	5700	Cu	6	-	6	*
Blacksod Point	1024.4	+5	NW	2	bc-	55	65	8	4000	Cu	6	-	6	*
Donaghadee	1019.7	+2	WNW	4	c-	56	55	8	5700	St.Cu	4	A.Cu	7	*
Birr Castle	1023.2	*	W	3	c+	60	65	7	2500	St.Cu	5	Ci.Cu	8	*
Baldonnell	1022.4	+2	W'N	5	cv	59	55	9	5700	St	4	A.Cu	8	*
Holyhead	1021.4	+4	WNW	6	bc-	59	75	9	4000	Cu	2	A.Cu	5	*
Liverpool (Bidston)	1019.6	+4	W'N	6	bc	56	65	8	2500	Cu	6	-	6	*
Manchester (Alex.Pk.)	1019.2	+4	NW	6	c-	59	55	8	2500	St.Cu	8	-	8	*
Howden	1015.0	+2	W	6	bc-	65	65	8	4000	St.Cu	5	-	5	*
Spurn Head	1014.6	+1	WNW	7	c-	63	97	8	7200	Cu.Nb	7	-	7	*
Nottingham	1017.9	*	NW	4	c-	59	65	5	4000	Cu.Nb	9	-	9	*
Cranwell	1017.0	+3	WNW	5	o	61	45	8	2500	Cu	9	-	9	*
Gorleston	1016.1	+3	NNW	4	c	62	55	8	7200	St.Cu	8	-	8	*
Pulham	1016.3	+2	W	4	o	62	55	8	4000	Cu	10	-	10	*
Felixstowe	1017.4	+1	NW'W	4	o	62	55	8	4000	St.Cu	10	-	10	*
Valencia (Cahirciveen)	1026.8	+3	NNW	4	b-	57	65	9	4000	Cu	3	-	3	*
Roches Point	1024.7	+3	NW	4	bc-	60	85	9	2500	Cu	5	-	5	*
Pembroke (St.Ann's H.)	1023.3	+3	WNW	3	b	58	85	9	4000	Cu	1	A.Cu	3	*
Ross-on-Wye	1019.7	+3	NW	5	bc+	68	45	9	4000	St.Cu	2	Ci.Cu	6	*
Benson	1018.7	+2	WNW	3	c	63	55	8	-	Cu	7	-	7	*
S. Farnborough	1018.8	+2	WNW	4	c-	67	45	9	4000	Cu	8	-	8	*
London (KEW OBS)	1018.7	+2	W	4	bc	64	45	9	5700	Cu	6	-	6	*
Croydon	1018.8	+1	NW	3	cv	64	55	9	4000	Cu	7	-	7	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1017.4	+2	NW	3	c	65	65	8	4000	Cu	7	-	7	*
Grain	1018.1	+2	WNW	5	c-	63	65	8	2500	St.Cu	8	-	8	*
Lympne	1018.7	+2	W	3	c	62	65	8	4000	St.Cu	8	-	8	*
Scilly (St. Mary's)	1024.1	+2	NNW	3	b	63	75	8	7200	St.Cu	3	-	3	*
Falmouth	1024.2	+3	NW	4	c	61	55	9	-	St.Cu	7	-	7	*
Plymouth	1022.6	+4	NNW	3	o-	60	65	8	4000	St.Cu	9	-	9	*
Portland Bill	1019.9	+2	WNW	4	bc-	59	92	8	1500	Cu	4	-	4	*
Calshot	1020.1	+2	WNW	4	c-	63	65	8	4000	St.Cu	7	-	7	*
Dungeness	1018.1	+3	SW	3	c-	61	65	8	4000	Cu	6	-	6	*
Jersey	1024.1	0	W	4	o	60	75	8	7200	St.Cu	9	-	9	*

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	1009.8	-3	WNW	5	cph	47	85	7	7200	Nb	7	-	7	4
Stornoway	1017.4	+4	WNW	6	bc-	51	65	7	4000	Cu	6	-	6	4
Wick	1013.9	+4	WNW	4	c/r	51	65	8	2500	Cu.Nb	8	-	8	1
Castlebay	1020.5	-1 +1	~~ENE~~ WNW	4	bc-	52	75	8	5700	Cu	3	A.St	4	3
Nairn	1016.6	*	NW	3	bc	50	*	*	*	*	*	*	*	*
Aberdeen	1016.1	+4	WNW	4	b	52	65	9	4000	Cu.Nb	3	-	3	0
Malin Head	1022.0	+6	WNW	3	c+	51	97	8	4000	Nb	8	-	8	4
Renfrew	1020.1	+4	WNW	3	bcp(r)	52	65	9	2500	Cu	5	-	5	*
Leith	1015.7	*	SW	6	bc	58	45	9	-	Cu	5	-	5	*
Eskdalemuir	1019.6	+4	WNW	4	bc	50	65	8	4000	St.Cu	6	-	6	*
Tynemouth	1017.5	+2	NW	3	bc-	60	75	8	4000	Cu	4	-	4	4
Blacksod Point	1025.0	0	NW	2	c	54	75	8	4000	Nb	4	Ci	8	1
Donaghadee	1022.3	+2	NNW	3	bc-	56	55	8	4000	Cu	5	-	5	1
Birr Castle	1024.9	*	NW	2	c	60	65	8	2500	Cu	8	-	8	*
Baldonnell	1024.7	+3	NW	4	bcv	56	55	9	4000	Cu	3	Ci	4	*
Holyhead	1023.4	+2	WNW	5	b-	56	75	9	4000	Cu	1	A.Cu	2	1
Liverpool (Bidston)	1022.7	+4	WNW	4	bv	55	65	9	1500	Cu	3	-	3	5
Manchester (Alex.Pk.)	1022.0	+3	WNW	7	c-	54	55	9	4000	St.Cu	7	-	7	*
Howden	1018.8	+4	NW'W	5	bc	58	85	8	4000	Cu	6	-	6	*
Spurn Head	1019.3	+5	N	4	b	60	97	8	4000	Cu	2	-	2	2
Nottingham	1020.7	*	NW	5	b	58	55	5	4000	Cu	3	-	3	*
Cranwell	1020.1	+3	WNW	5	b-	59	55	8	4000	St.Cu	2	Ci	3	*
Gorleston	1017.4	+3	NE	4	c	58	85	8	7200	St.Cu	8	-	8	0
Pulham	1018.3	+3	WNW	5	c	61	55	8	4000	Cu	8	-	8	*
Felixstowe	1018.9	+2	NW'N	5	bc	63	55	8	4000	St.Cu	6	-	6	2
Valencia (Cahirciveen)	1027.8	+1	NW	3	b	56	65	9	4000	Cu	2	A.Cu	3	1
Roches Point	1026.1	+2	NW	4	b-	60	75	8	4000	Cu	1	Ci	2	0
Pembroke (St.Ann's H.)	1024.8	+1	W	2	b	58	85	9	4000	Cu	1	-	1	1
Ross-on-Wye	1022.2	+4	WNW	4	bv	63	55	9	5700	St.Cu	2	-	2	*
Benson	1020.5	+3	NW	4	b-	66	45	8	-	Cu	3	-	3	*
S. Farnborough	1020.2	+2	NW	4	bc-	65	45	9	4000	Cu	6	-	6	*
London (KEW OBS)	1020.3	+3	NW	3	b-	65	45	9	5700	Cu	5	-	5	*
Croydon	1020.1	+3	NW'N	4	bc	64	45	9	4000	Cu	5	-	5	*
Clacton-on-Sea	1018.8	+3	WNW	4	bc	64	55	7	4000	St.Cu	5	-	5	0
Shoeburyness	1019.6	+3	NW	6	b-	64	55	8	7200	Cu	1	-	1	*
Grain	1019.6	+2	WNW	4	b	64	45	9	4000	Cu	2	-	2	3
Lympne	1019.6	+2	NW	4	c+	63	55	9	4000	Cu	7	-	7	*
Scilly (St. Mary's)	1026.1	+1	NW	2	b	60	75	9	-	-	0	-	0	4
Falmouth	1025.9	+2	NW	5	b	66	65	9	-	St.Cu	1	-	1	*
Plymouth	1024.3	+3	NNW	3	c-	61	55	9	4000	St.Cu	6	-	6	*
Portland Bill	1019.9	+2	WNW	1	bc	59	92	8	1500	Cu	4	-	4	3
Calshot	1021.3	+3	WNW	4	b-	63	65	9	4000	Cu	3	-	3	0
Dungeness	1019.2	+1	SW	4	c+	59	85	8	4000	Cu	7	-	7	3
Jersey	1023.8	0	WNW	4	b	60	75	8	2500	Cu	1	-	1	3

London Observations	Weather Morning	Weather Afternoon	Weather Night	Temperature Max. °F.	Temperature Min. °F.	Temperature Min. on Grass °F.	Rainfall mm.	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. %
	24 Hours ended 0900 G.M.T. 12th							Yesterday.		To-day.
Kew } 24 hours ended 0700	ocbcy	cybcy	bb.bc	*	*	33	-	9.3	*	*
Croydon } 24 hours ended 0700	cop₀c	cyvbc	bcyb Bc	*	*	32	-		*	*
Greenwich (Royal Obsy.)	c	c	cbbc	72	46	37	-	12.0	43	53
City (Bunhill Row)	*			*	*		*		*	*
Westminster (St. James' Pk.)	*	*	*							
Regents Pk (Botanical Gdns.)	*	*	*	*	*	*	*		*	*
Camden Sq. (Brit. Rainfall)	cbc	bc	*	72	45	41	-	*	46	50
Kensington Palace	bc	bc	*	70	44	37	-	*	47 (18h)	58
Hampstead Observatory	*	*	*	68	42	30	*	10.8	*	58

Atmospheric Pollution. Lbs. of Solid impurity per million cubic yards.
24 Hr. ended 1600 G.M.T. 11th

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			

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom.
12th & 13th JUNE 1921.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.32 / 3.32	11.52 / 11.53	8.13 / 8.14
Greenwich	3.45 / 3.45	11.59 / 12.0	8.14 / 8.15
Wick	3.8 / 3.8	12.11 / 12.12	9.15 / 9.16
Valencia	4.23 / 4.23	12.40 / 12.41	8.58 / 8.59

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.
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"; bc = cloud 0-5; co = cloud 6-10.

Capital letters indicate intensity, 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.

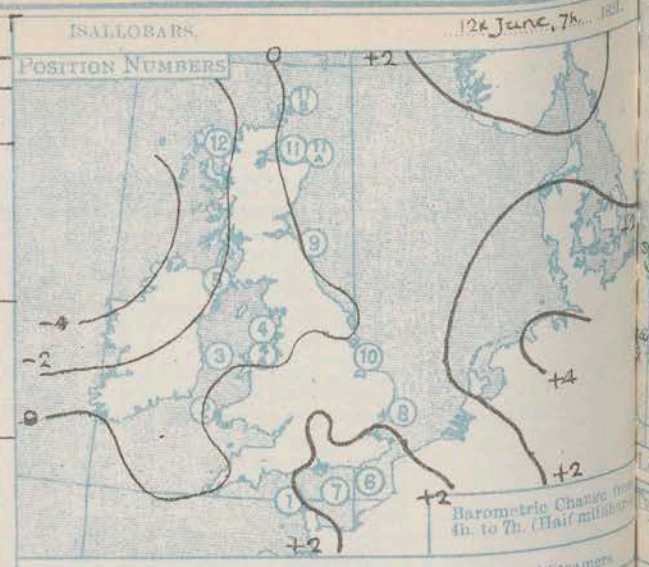
SEA DISTURBANCE.
0 = no swell } Calm or slight sea.
1 = mod. swell
2 = heavy swell
3 = no swell } Moderate sea.
4 = mod. swell
5 = heavy swell
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea.

Beaufort No.	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

* 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. 11h.	13h.-18h. 11h.	18h. 11h. to 1h. 12h.	1h.-7h. 12h.	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL † Day. 7h.-18h.	Night. 18h.-7h.	Precipitation began.	SUN. Hours.
Lerwick	c	c ihr	b or bc	c ir	51	42	•	0.2	0.6	0900	•
Stornoway	p	p	c	c	54	46	•	1	-	-	11.5
Wick	c irq	p	c iR	c	53	41	•	0.5	2	1330	•
Castlebay	bc oc	cp. bc	o p o	bc o	52	47	•	0.2	1	-	13.3
Nairn	bc bpc	c bc p	o p g	bc c p	57	41	•	2	1	*	7.6
Aberdeen	c q p.	bc q p.	bc b	b o p.	56	44	38	0.4	trace	0630	8.7
Malin Head	p	b or bc	c	i h	52	46	•	0.6	4	—	10.0
Renfrew	o c bc q	bc p r.	c o r.	r. r. o	57	45	33	trace	0.4	0530	9.6
Leith	*	b or bc	i r.	r or d	60	45	44	-	0.4	-	•
Eskdalemuir	i r c	c	i r.	bc o r o	57	40	33	-	0.2	0430	9.1
Tynemouth	b or bc	b or bc	b or bc	i m o o	63	44	•	-	-	-	•
Blacksod Point ...	c	b or bc	c	i R	56	47	•	-	5	02.30	•
Donaghadee	c m p q	bc q	c m	o m i r.	58	46	•	0.3	1	0330	•
Birr Castle	c	c	c	c i P r	62	47	41	-	2	-	11.0
Baldonnell	c	c	b or bc	c o f	60	43	37	-	0.2	0630	11.7
Holyhead	bc bc	bc b	b or bc	b bc o d	60	49	40	-	0.1	0630	13.0
Liverpool (Bidston) ...	b or bc	b or bc	c		58	48	40	-	-	-	10.9
Manchester (Alex. Pk.)	o o q	c	i m d. m d		61	37	33	-	0.1	0530	•
Howden	c	c	b or bc	c	65	38	30	-	-	-	8.0
Spurn Head	b or bc	b or bc	b or bc	b or bc	63	48	•	-	-	-	•
Nottingham	c	b or bc	c		62	44	36	-	trace	-	7.2
Cranwell	c	c	b or bc	c	64	40	37	-	-	-	11.7
Gorleston	c	c	c	c	66	46	40	-	-	-	7.5
Pulham	c	c	b or bc	c	65	38	35	-	-	-	8.7
Felixstowe	o o	b or bc	b or bc	b or bc	67	45	2	-	-	-	6.5
Valencia (Cahirciveen)	b or bc	b or bc	b or bc	c	58	45	39	-	-	-	12.9
Roches Point	c	b or bc	o o		63	47	•	-	-	-	•
Pembroke (St. Ann's H.)	b or bc	b or bc	b or bc	c	60	48	•	-	-	-	10.2
Ross-on-Wye	c	c v y b v y	b v	b w c o	70	38	30	-	-	-	10.3
Benson	c	b or bc	b or bc		69	34	26	-	-	-	•
S. Farnborough ...	c	c	b or bc		70	35	33	-	-	-	7.3
London (KEW OBS)	o c b c y	c y b c y	b b	b bc	68	44	33	-	-	-	9.3
Croydon	c o p. c	c y v b c	b c y b	b b c c ⊕	69	42	32	-	-	-	•
Clacton-on-Sea ...	*	c bc	bc b	b bc b	66	42	39	-	-	-	6.9
Shoeburyness	c	b or bc	c		68	43	34	-	-	-	9.8
Grain	o o	c	b or bc		67	39	40	-	trace	-	10.1
Lympne	c o o	b or bc	b or bc	b or bc	67	40	32	-	-	-	8.1
Scilly (St. Mary's) ...	b or bc	b or bc	b or bc	c	64	52	•	-	-	-	9.5
Falmouth	o o c v	c bc b v	bc bc	bc b y	65	48	41	-	-	-	9.8
Plymouth	o o	c	b or bc	c	63	43	44	-	-	-	8.6
Portland Bill	b or bc	b or bc	b or bc	b or bc	62	49	*	-		-	•
Calshot	o o	c	b or bc	b or bc	66	46	41	-	-	-	9.4
Dungeness	f or h	c	c	b or bc	64	40	•	-	-	-	•
Jersey	c	c	b w	b w	62	50	•	-	-	-	7.9



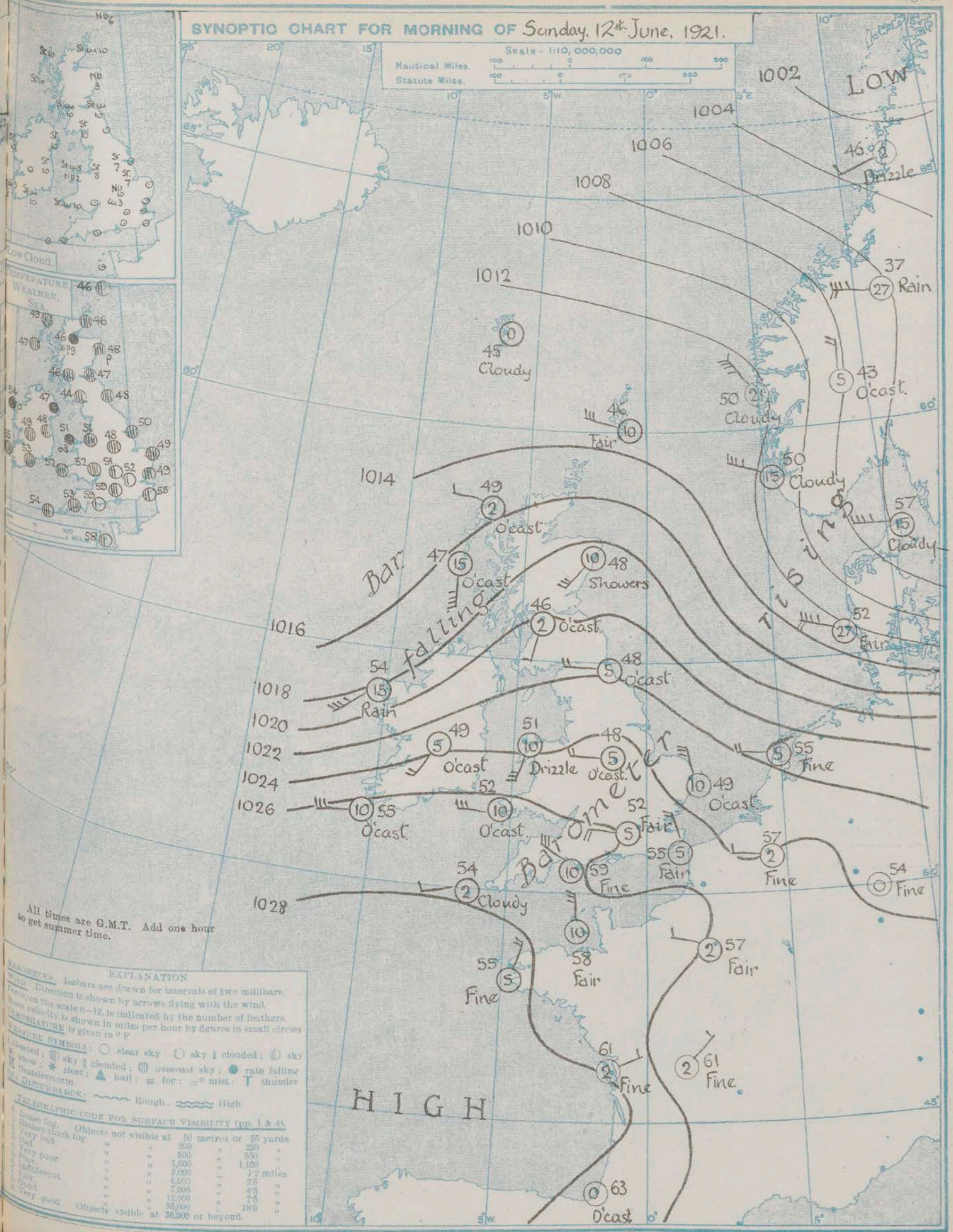
Temperature reported from Cross Channel and Coastal Steamers

Position Number	7	4A	3	1	7	4A	3
Date	10th	10th	10th	10th	11th	11th	11th
Time G.M.T.	0156	0515	0145	1215	0254	0445	105
Sea ° F	54	53	51	50	54	54	53
Air ° F	56	52	55	58	58	53	56

GENERAL INFERENCE.

The anticyclone centred off our South-West Coasts will maintain fair weather in the South of England but shallow secondary depressions will cause rain or showers in the North of England, Scotland and Ireland.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday, 12th June, 1921.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Wind Westerly, moderate; fair to cloudy; visibility mainly good; moderate temperature.	Continuing mainly fair in South and East; changeable in North and West. -----
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 S.W., veering to W. or N.W., moderate to fresh; some rain or showers, then improving; visibility fair to good; moderate temperature.	
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 W. to N.W.; variable sky, some showers; visibility mainly good; temperature moderate to rather cool.	



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION...SUNDAY, 12TH JUNE.....1921. No. 163.

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	1013.9	+4	WNW	4	b-	44	85	8	5700	Nb	3	-	3	*
Stornoway	1019.4	+2	W	3	c	*	*	*	*	*	*	*	*	*
Wick	1016.4	+2	W	1	c/r	43	97	8	4000	Cu.Nb	8	-	8	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head														*
Renfrew	1021.9	0	SW	2	0+	45	85	8	2500	St	4	A.St	9	*
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1022.4	0	W'N	4	bc+	43	85	7	-	-	0	A.St	5	*
Tynemouth	1021.1	+1	WNW	2	b	46	92	8	-	-	0	A.Cu	3	*
Blacksod Point ...	1023.0	-4	SW	3	0+	51	85	8	-	-	0	Ci.St	10	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1023.4	-1	W'N	1	c	45	85	8	4000	Cu	3	A.St	8	*
Holyhead	1024.8	-1	NW	3	b	*	*	8	-	-	0	A.St	1	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1022.5	0	SW'S	2	b	40	92	6	2500	St	1	A.St	2	*
Spurn Head	1022.6	+2	WNW	4	b	50	75	?	2500	St	2	-	2	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1024.0	+3	W'N	3	b	42	85	8	-	-	0	-	0	*
Gorleston	1023.6	+1	NW	3	b	46	92	8	-	-	0	-	0	*
Pulham	1023.3	+3	WSW	3	b	43	85	7	-	-	0	-	0	*
Felixstowe	1023.9	+3	NW	3	b	48	75	8	-	-	0	A.St	7	*
Valencia (Cahirciveen)	1028.1	0	*	0	bc	52	*	*	*	*	*	*	*	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St.Ann's H.)	1026.8	+1	-	0	bv	51	75	9	?	?	?	?	2	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (KEW OBS)	1024.9	+3	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	1025.5	+2	W	1	b	47	75	8	-	-	0	-	0	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1024.2	+3	NW	3	b	46	92	8	-	-	0	-	0	*
Scilly (St. Mary's) ...	1027.9	0	NW	2	b	53	97	8	-	-	0	-	0	*
Falmouth														*
Plymouth	1026.9	+1	-	0	b	46	92	8	-	-	0	-	0	*
Portland Bill	1024.8	+2	WNW	4	b	59	55	8	-	-	0	-	0	*
Calshot	1025.9	+2	NW'W	3	b	49	85	8	-	-	0	-	0	*
Dungeness	1023.6	+3	N	3	b	49	75	9	-	-	0	-	0	*
Jersey (Guernsey Ih.)	1026.9	+3	NW	2	bv	53	85	9	-	-	0	-	0	*

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	1013.3	+1	WNW	3	bc	46	75	7	7200	Nb	6	-	6	2
Stornoway	1015.5	-3	W'N	1	0+	49	75	7	450	St	10	-	10	0
Wick	1016.1	0	SW	2	0+	46	92	8	5700	St.Cu	10	-	10	0
Castlebay	1016.3	-4	S	4	0/r	47	92	7	2500	St	10	-	10	4
Nairn	1016.7	*	-	0	*	46	*	*	*	*	*	*	*	1
Aberdeen	1018.8	+1	SW	3	0pr	48	75	7	2500	Nb	3	A.St	10	0
Malin Head														*
Renfrew	1021.3	-1	SSW	1	0	46	92	8	1500	St.Cu	10	-	10	*
Leith	1019.8	-1	SSW	2	0/r	47	85	8	*	St.Cu	10	-	10	*
Eskdalemuir	1021.6	0	SW	4	0+	44	92	7	1500	St	10	-	10	3
Tynemouth	1021.9	0	W	2	0	48	92	7	-	-	0	A.St	10	
Blacksod Point ...	1018.0	-5	SW	4	0R	54	97	6	450	St	10	-	10	3
Donaghadee	1021.7	-2	SW	1	0/0	47	92	8	2500	St	10	-	10	4
Birr Castle	1023.0	*	SW	2	c+	49	97	7	-	-	0	A.St	9	*
Baldonnell	1023.9	-2	SSW	2	0/r	48	85	8	1500	St	10	-	10	*
Holyhead	1023.9	0	SSW	3	0d	51	75	8	1500	St.Cu	10	-	10	0
Liverpool (Bidston) ...	1023.7	-1	W'S	3	0+	51	75	8	800	St	10	-	10	3
Manchester (Alex.Pk.)	1024.3	0	SW	2	0d	49	85	6	1500	St	8	A.St	10	*
Howden	1023.5	+2	SW'W	4	0+	50	75	7	4000	St	7	A.St	10	2
Spurn Head	1023.7	0	WNW	5	0+	50	92	8	-	-	0	A.St	10	*
Nottingham	1025.5	*	W	2	0+	48	85	4	4000	Nb	10	-	10	*
Cranwell	1024.5	+2	W'N	4	0	51	75	8	4000	St	7	A.St	10	
Gorleston	1023.1	+1	NNW	3	c-	49	75	7	-	-	0	A.St	6	0
Pulham	1024.3	+1	WSW	3	0+	43	75	7	-	-	0	Ci	9	*
Felixstowe	1025.0	+1	NW	3	c+	50	75	8	-	-	0	A.St	7	1
Valencia (Cahirciveen)	1026.2	0	W	3	0	55	85	8	1500	St	10	-	10	3
Roches Point	1026.5	-1	W	2	0	53	97	8	800	St.Cu	10	-	10	0
Pembroke (St.Ann's H.)	1026.3	+1	W	3	0	52	85	8	5700	St.Cu	10	-	10	3
Ross-on-Wye	1025.7	+1	SW	1	0+	52	75	8	-	-	0	A.Cu	8	*
Benson...	1025.8	+2	-	0	bc	51	75	8	-	Cu	3	A.Cu	6	*
S. Farnborough ...	1026.5	+2	NNW	3	bc+	55	65	9	-	-	0	A.Cu	6	*
London (KEW OBS)	1026.4	+1	WNW	2	bc+	52	65	8	-	-	0	A.Cu	5	*
Croydon	1026.2	+1	W'N	2	c	52	75	8	-	-	0	A.Cu	8	*
Clacton-on-Sea ...	1024.3	+2	WNW	3	c	49	75	7	-	-	0	A.St	7	*
Shoeburyness	1025.2	+4	NNW	1	c	53	65	7	4000	Cu	7	-	8	3
Grain	1025.9	+2	W	4	c+	52	65	8	-	-	0	A.Cu	8	*
Lympne	1025.4	+2	NW	2	bc+	51	75	8	-	-	0	A.St	4	*
Scilly (St. Mary's) ...	1027.8	0	W'S	1	c+	54	97	8	-	-	0	A.Cu	8	2
Falmouth	1025.5	0	W	4	bc	55	85	8	-	-	0	A.Cu	6	*
Plymouth	1027.4	0	-	0	fb-	53	85	7	4000	St.Cu	5	A.St	9	3
Portland Bill	1026.0	+2	WNW	3	b	57	85	8	-	-	0	Ci.Cu	2	0
Calshot	1026.8	+2	SW'S	2	b+	54	75	8	-	-	0	A.Cu	1	2
Dungeness	1025.4	+2	NNW	2	bc+	55	65	8	-	-	0	Ci	5	0
Jersey (Guernsey Ih.)	1027.1	+1	N	3	bcw	58	65	8	-	-	0	Ci.Cu	4	0

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR....11TH JUNE.....

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 17h.-9h. 10th-11th mm.	Rainfall.† Day 9h.-17h. 11th mm.	Sunshine. Sunrise to 17h. 11th hr.	Sunshine. Sunrise to Sunset. 10th hr.
Banff	bcbq	bcq	55	45	2	0.4	8.5	4.5
Montrose	0	bc	62	45	-	-	9.1	7.0
Llandudno	bcb	b	59	50	-	-	?	8.7
Colwyn Bay ...	b	b	59	51	-	-	7.9	11.1
Rhyl...	cbc	b	59	52	-	-	9.1	9.6
Southport	cbc	cpc	57	52	-	-	9.0	10.9
Blackpool	c	bc	58	52	-	-	9.2	11.6
Harrogate								
Skegness	bc	bc	66	46	-	-	9.2	5.4
Aberystwyth ...	0cb	bcc	59	52	0.3	-	7.0	12.0
Bath	0cbc	b	65	51	-	-	6.5	13.0
Leamington Spa ...								
Lowestoft	bcc	cbc	67	59	-	-	6.3	2.1
Felixstowe	cm	bc	66	51	-	-	5.3	5.3
Southend	bc	bcb	68	48	-	-	8.0	6.9

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day. °F.	Temperature. Min. Night. °F.	Rainfall.† Night 17h.-9h. 10th-11th mm.	Rainfall.† Day 9h.-17h. 11th mm.	Sunshine. Sunrise to 17h. 11th hr.	Sunshine. Sunrise to Sunset. 10th hr.
Paignton	cbc	bq	67	47	-	-	6.3	14.6
Ilfracombe	0cbc	bcb	59	53	-	-	5.1	10.8
Bude	0	b	62	54	-	-	7.0	13.7
Penzance	0pcbc	bcb	65	53	0.3	-	7.9	12.0
Torquay	cbc	by	69	50	-	-	8.0	14.9
Weymouth	*	*	70	47	-	-	5.7	14.8
Bournemouth ...	0bc	b	68	47	-	-	7.5	14.0
Portsmouth (S'thsea)	0	b	70	49	-	-	6.5	14.5
Worthing	cbc	bc	69	47	-	-	8.0	14.8
Brighton	0bc	bc	70	49	-	-	7.6	14.1
Eastbourne ...	bc	cbc	64	51	-	-	7.1	13.1
Hastings	0c	bcc	67	49	-	-	6.0	10.3
Folkestone	0	c	65	49	-	-	5.9	6.6
Tunbridge Wells ...	0bc	bc	69	44	-	-	6.3	9.7
Ramsgate	b	b	60	48	-	-	5.5	2.7
Margate	0cbc	b	66	50	-	-	4.8	1.9
Deal	0	0cbc	69	49	-	-	8.2	2.2

* 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. B21753 MONDAY 13th JUNE 1921.

Observations at 1300 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	Sun. 0-9
Lerwick	1014.8	+3	W	1	c	50	75	7	4000	St.Cu	8	-	8	-
Stornoway	1013.3	-3	S	3	r.r.	48	92	6	450	St	10	-	10	-
Wick	1014.4	-1	SSW	3	o	51	85	9	2500	N	3	A.St	10	-
Castlebay	1013.0	+4	WNW	4	f.f.o	53	97	5	1500	St	10	-	10	-
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1016.8	-2	S	3	o	54	75	8	4000	Cu	9	-	9	-
Malin Head	1015.6	0	WSW	4	o/r	54	97	7	450	St	10	-	10	-
Renfrew	1017.1	-4	SSW	1	or	50	92	6	1500	Nb	10	-	10	-
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1019.0	-2	SW	4	od.	46	92	5	500	Nb	10	-	10	-
Tynemouth	1019.2	-3	WSW	1	o	56	85	8	2500	St	2	A.St	10	-
Blacksod Point	1019.0	+1	W	4	b	57	97	4	450	St	10	-	10	-
Donaghadee	1017.1	-2	SW	2	o/r	58	85	3	4000	St.Cu	10	-	10	-
Birr Castle	1022.6	*	W	2	od.	58	97	6	450	St	10	-	10	-
Baldonnell	1021.2	+1	SW	5	or.	56	85	7	800	St	10	-	10	-
Holyhead	1022.0	-2	SSW	6	o	54	92	8	2500	Nb	8	A.St	10	-
Liverpool (Bidston)	1021.8	-1	WSW	3	o/r	55	75	7	800	Nb	5	St.Cu	10	-
Manchester (Alex.Pk.)	1022.6	-2	WSW	5	o	55	75	9	1500	St.Cu	8	A.St	10	-
Howden	1021.9	-2	SSW	2	o/r	51	85	6	1500	St	6	A.St	10	-
Spurn Head	1022.7	+1	WSW	2	o.r.	54	75	7	450	St	10	-	10	-
Nottingham	1022.7	*	W	4	o.r.	58	65	5	2500	Cu.Nb	4	A.St	10	-
Cranwell	1023.2	-2	WSW	4	o.r.	56	65	8	1500	Nb	10	-	10	-
Gorleston	1022.8	+1	NNW	3	o	58	85	8	7250	St.Cu	10	-	10	-
Pulham	1023.2	+4	W	4	o	59	65	8	2500	St.Cu	10	-	10	-
Felixstowe	1023.9	-2	W	3	o	61	55	8	4000	St.Cu	7	A.St	10	-
Valencia (Cahirciveen)	1026.5	0	SW	4	o	57	92	5	450	St	10	-	10	-
Roches Point	1025.2	-1	W	4	bc	64	85	8	1500	Cu	5	-	5	-
Pembroke (St.Ann's H.)	1026.0	+1	WSW	3	c	55	85	8	3750	St.Cu	3	A.St	8	-
Ross-on-Wye	1023.6	-3	W	5	o	63	45	9	2500	St	6	A.St	10	-
Benson	1023.7	-4	W	4	o	65	45	8	-	St.Cu	10	-	10	-
S. Farnborough	1024.3	-3	WSW	5	o	67	45	9	4000	St.Cu	9	-	9	-
London (KEW OBS.)	1024.1	-4	W	2	o	66	45	9	3750	Cu	4	A.Cu	9	-
Croydon	1024.3	-4	W	4	o	64	45	9	4000	Cu	1	A.Cu	9	-
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1024.1	-1	W	1	o	64	65	6	4000	Cu	9	-	9	-
Grain	1024.0	-3	SSW	4	c	65	55	8	3750	Cu	2	A.Cu	8	-
Lympne	1024.6	-2	SW	3	c	62	65	8	2500	Cu	4	A.St	7	-
Scilly (St. Mary's)	1028.8	+1	W	2	b	63	75	8	4000	Cu	1	-	1	-
Falmouth	1027.3	-1	WNW	4	b	66	65	8	-	Cu	2	-	2	-
Plymouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1025.6	-1	WNW	3	b	61	85	8	-	-	-	-	-	-
Calshot	1025.6	-3	SW'S	6	bc	60	65	9	4000	Cu	1	A.Cu	4	-
Dungeness	1024.6	-2	SW	4	c	61	55	9	-	-	-	Cu	8	-
Jersey	1028.2	+1	NW	3	b	62	55	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	Sun. 0-9
Lerwick	1014.2	-1	W	2	o	50	75	8	7250	St.Cu	3	A.St	9	1
Stornoway	1010.4	-3	WSW	4	o	53	92	7	450	St	9	-	9	3
Wick	1011.7	-4	E	3	opr.	49	92	9	4000	St.Cu	10	-	10	
Castlebay	1013.1	0	WNW	4	f.f.o	52	92	6	1500	St	10	-	10	4
Nairn	1011.1	*	-	0	c	54	*	*	*	*	*	*	*	*
Aberdeen	1014.1	-4	S	3	opr.	50	85	8	1500	Nb	10	-	10	0
Malin Head	1016.9	+1	W	4	r.	52	97	6	4000	Nb	10	-	10	4
Renfrew	1015.2	-1	SW	4	c/r	56	85	8	2500	Cu.Nb	5	Ci.St	7	-
Leith	1013.6	-2	W	3	c/r	59	85	8	-	St.Cu	8	-	8	-
Eskdalemuir	1015.6	-2	WSW	5	o	53	85	7	500	St	7	A.St	10	
Tynemouth	1016.4	-1	WSW	1	o	54	97	7	4000	St	8	A.St	10	5
Blacksod Point	1020.3	+2	W	2	o/r	56	92	4	450	St	10	-	10	2
Donaghadee	1017.3	+1	WNW	3	c	59	78	8	5750	St.Cu	6	Ci	8	1
Birr Castle	1022.3	*	W	3	?	56	97	5	450	St	10	-	10	-
Baldonnell	1020.7	-1	WSW	4	od.	58	85	6	800	St	10	-	10	-
Holyhead	1020.0	-2	SW	5	b+	60	85	8	2500	St.Cu	1	A.St	3	1
Liverpool (Bidston)	1019.3	-2	SW	3	o/r	58	75	8	2500	St.Cu	9	-	9	3
Manchester (Alex.Pk.)	1020.3	-3	SW	3	DD	54	92	4	800	St	10	-	10	-
Howden	1018.9	-3	S	2	o	55	85	7	2500	St	10	-	10	-
Spurn Head	1019.6	-2	W	4	o	57	55	8	-	-	-	A.St	10	2
Nottingham	1020.7	*	W	3	o	59	75	5	4000	-	-	A.St	10	-
Cranwell	1021.2	-2	WSW	4	o	57	75	8	1500	St	10	-	10	-
Gorleston	1021.3	0	S	1	o/r	56	92	8	7250	St.Cu	10	-	10	2
Pulham	1021.2	-1	W	3	o	61	65	8	2500	St	9	-	9	-
Felixstowe	1021.7	-2	WNW	3	o	60	65	9	7250	St	10	-	10	1
Valencia (Cahirciveen)	1025.6	-1	WSW	3	f.f.o	56	97	4	450	St	10	-	10	?
Roches Point	1024.4	-1	W	5	b-	65	85	8	2500	Cu	3	-	3	3
Pembroke (St.Ann's H.)	1024.1	+1	W	4	c	55	97	8	800	St	8	-	8	3
Ross-on-Wye	1022.7	-2	WSW	3	c/r	59	75	8	2500	Nb	8	-	8	-
Benson	1022.4	-2	W	3	c	62	65	8	-	Cu	8	-	8	-
S. Farnborough	1023.0	-2	WNW	4	c	63	55	8	2500	St.Cu	7	Ci	8	-
London (KEW OBS.)	1022.4	-2	W	4	bc	65	45	9	-	-	-	A.Cu	4	-
Croydon	1022.5	-2	WSW	3	c/r	62	65	9	4000	St.Cu	5	A.Cu	8	-
Clacton-on-Sea	1021.7	-2	WNW	3	o/r	62	85	7	7250	St.Cu	10	-	10	0
Shoeburyness	1022.1	-3	W	2	o	63	85	7	4000	St.Cu	9	-	9	-
Grain	1022.3	-2	W	2	ov	63	55	9	4000	St.Cu	9	-	9	0
Lympne	1022.8	-1	SW'S	4	c	60	78	8	4000	Cu	5	A.St	8	-
Scilly (St. Mary's)	1029.3	0	W	3	b	60	85	8	-	-	-	-	0	2
Falmouth	1026.8	-1	WNW	4	b	63	65	8	-	-	-	-	0	-
Plymouth	1027.0	-1	SW	4	bc	61	75	8	4000	St.Cu	3	A.St	6	-
Portland Bill	1024.3	-2	W	5	b	59	85	8	-	-	-	A.Cu	2	4
Calshot	1023.6	-2	SW	4	bc	62	75	8	5750	St.Cu	3	Ci.St	6	4
Dungeness	1022.6	-3	WSW	5	c	58	85	9	5750	-	-	A.Cu	7	5
Jersey	1027.1	-1	NW	3	b	60	65	9	-	-	-	-	0	0

LONDON OBSERVATIONS

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 HOURS ENDED 0900 G.M.T. 12th							YESTERDAY.		TO-DAY.
Kew (24 hours ended 0700)	c	oy.boy	o.bc.o	*	*	54	-	6.2	*	*
Croydon (24 hours ended 0700)	c.oy	oypo.c.	oo	*	*	54	-	*	*	*
Greenwich (Royal Obsy.)	o.c.	c.o	o	73	56	51	-	6.4	42	69
City (Bunhill Row)	*	*	*	*	*	*	*	5.2	*	*
Westminster (St. James' Pk.)	*	*	*	68	58	54	-	5.1	46	68
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	*	6.0	*	*
Camden Sq. (Brit. Rainfall)	?	?	*	73	57	53	-	*	?	69
Kensington Palace			*	68	57	55	-	*	44 (184)	72
Hampstead Observatory	*	*	*	66	55	49	-		*	?

ATMOSPHERIC POLLUTION. Lbs. of Solid impurity per million cubic yards.

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 1664 joules

Average Rate 28.0 Milliwatts.

Maximum Rate 96 Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 12th 21 h 30 m. to 13th 2 h 30 m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	5.0	1.1	20
ζ Ursae Minoris	5.0	0.46	15

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

12th & 13th JUNE 1921.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.32	11.53	8.14
	3.31	11.53	8.14
Greenwich	3.45	12.0	8.15
	3.44	12.0	8.16
Wick	3.8	12.12	9.16
	3.7	12.12	9.17
Valencia	4.23	12.41	8.59
	4.22	12.41	9.0

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.
z = dust haze; the turbid atmosphere of dry weather.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions, thus:—bc/r = fair weather after rain; i = intermittent; - = "decreasing"; + = "increasing"; b(r) = "hail" or "rain and hail"; bc = cloud 6-5; co = cloud 6-10.

Capital letters indicate intensity, and repetition of letters continuity, thus:—
R = heavy rain.
rr = continuous moderate rain.
r.o.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.

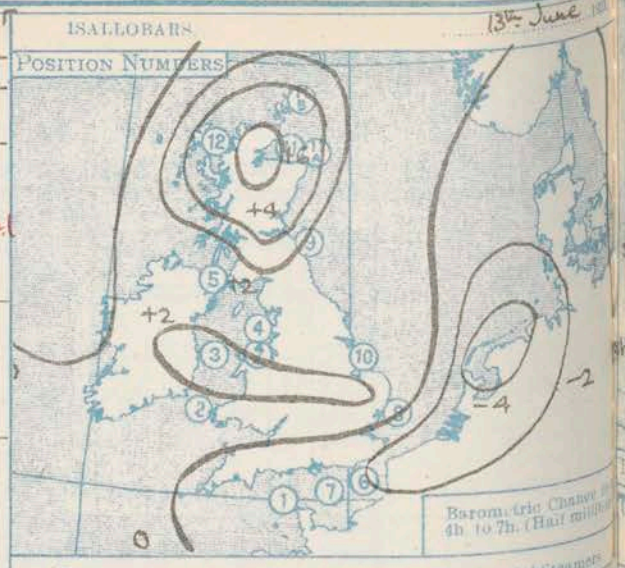
Beaufort No.	Statute miles per hour.	Metres per second.
0	Less than 1.	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

* 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	Weather. 13h.-18h. 12th	Weather. 18h. 12th to 1h. 13th	Weather. 1h.-7h. 13th	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.	Sun. Hours.
Lerwick	bobc	c	$T_o T_o$	c	53	46	.	-	1	- -	.
Stornoway	r o d	p	c	oo	53	47	.	1	-	-	0·1
Wick	o	o	iR mδ	oo	?	42	.	1	3	1530 -	3·0
Castlebay	orom	om_o	o	o i m o	53	49	.	0·6	trace	- -	~~0·0~~ 0·1
Nairn	cpg	cp u.	c u		55	46	.	2	-	-	0·1
Aberdeen	c	oir_o	c		57	49	43	1	-	1630 -	1·5
Malin Head		r o d	p		54	49	.		1	.	0·0
Renfrew	o m i d r	o i m i r?	$oT_o T_o$	$o c i T_o$	56	50	46	4	0·2	- -	0·3
Leith	p	p	c		60	51	49	0·4	-	- -	.
Eskdalemuir	o o d n	o d n o	iT_o o	o c bc	54	48	47	3	trace	- 2200	0·0
Tynemouth	m_o	irm_o	oo	oo	56	52	.	1	-	1430 -	.
Blacksod Point ...	ir	oo	oo	oo	58	50	.	trace	-	-	.
Donaghadee	r o r d	cq	c m q	cg	65	50	.	2	-	-	.
Birr Castle	$oT_o T_o$	$oT_o r$	$oT_o T_o$	c	58	50	45	7	1	9·0	0·0
Baldonnell	r o d	r o r d	oo	oo	61	51	50	0·2	-	9·0 -	0·9
Holyhead	r r o o	oc bc	c	oo	60	52	52	1	-	r	? 3·5
Liverpool (Bidston)...	r o r d	p					.	1		9·0	
Manchester (Alex.Pk.)	dd	m DD	$iδ_o$	$iδ_o$	56	53	50	2	0·2	- -	.
Howden	r o r d	oo	oo	r o r d	56	53	49	0·5	0·1	11 0.530	0·2
Spurn Head	c	oo	oo	c	57	49	.	.	-	-	.
Nottingham	c	c	oo		62	54	52	0·3	trace	- 6.30	1·0
Cranwell	p	p	c	c	61	53	48	1	-	1230 -	2·4
Gorleston	c	ir_o	oo	oo	58	49	?	0·5	-	1430 -	0·0
Pulham	c	c	c	oo	61	53	?	-	-	- -	0·6
Felixstowe	oo	r_o	c	oo	63	53	.	trace	-	1430	1·5
Valencia (Cahirciveen)	o	f o r m	r o r d	r o r d	58	54	54	trace	1	1230 -	0·0
Roches Point	c	b o r bc	oo		67	57	.	-	-	-	.
Pembroke (St.Ann's H.)	c	c	f o r m	oo	57	52	.	-	-	- -	3.2
Ross-on-Wye	o	o g c o p_o	c bc. op_o	oo	68	56	52	0·2	trace	9·0 2200	1·6
Benson...	c	c	oo		67	55	48	-	-	-	.
S. Farnborough ...	c	p	oo		68	55	53	trace	-	1430 -	5·7
London (Kew Obs).	c	o y b c y	c o bc c	bc oo	67	57	54	-	-	-	6·2
Croydon	c o y	o y p_o c	oo	oo	66	56	54	-	-	- -	.
Clacton-on-Sea ...	c bc	o p	o c bc.	bc c	64	54	51	trace	-	1430 -	1·4
Shoeburyness	c	c	c		66	55	47	-	-	- -	3·6
Grain	c	ir_o	oo		66	52	50	trace	trace	1530 -	5·4
Lympne	c	c	b or bc	c	63	50	45	-	-	-	8·0
Scilly (St. Mary's) ...	b o r bc	b o r bc	oo	f o r m	64	54	.	-	-	-	12·8
Falmouth	b o r bc	b b	c o	c o	67	54	42	-	-	-	11·6
Plymouth		c	oo	oo	63	51	52	?	-	?	12·5
Portland Bill	b o r bc	b o r bc	b o r bc	b o r bc	62	49	.	-	-	- -	.
Calshot	b c c b c	b c o b c	c	oo	63	55	52	-	-	- -	11·3
Dungeness	b o r bc	c	c	b o r bc	63	56	.	-	-	-	.
Jersey	b o r bc	b	b o r bc	o g c	63	54	.	-	-	-	14·3



Temperature reported from Cross Channel and Coastal Steamers

Position Number.	7	6
Date	12th	13th
Time G.M.T.	0259	0400
Sea °F	55	56
Air °F	54	60

GENERAL INFERENCE.

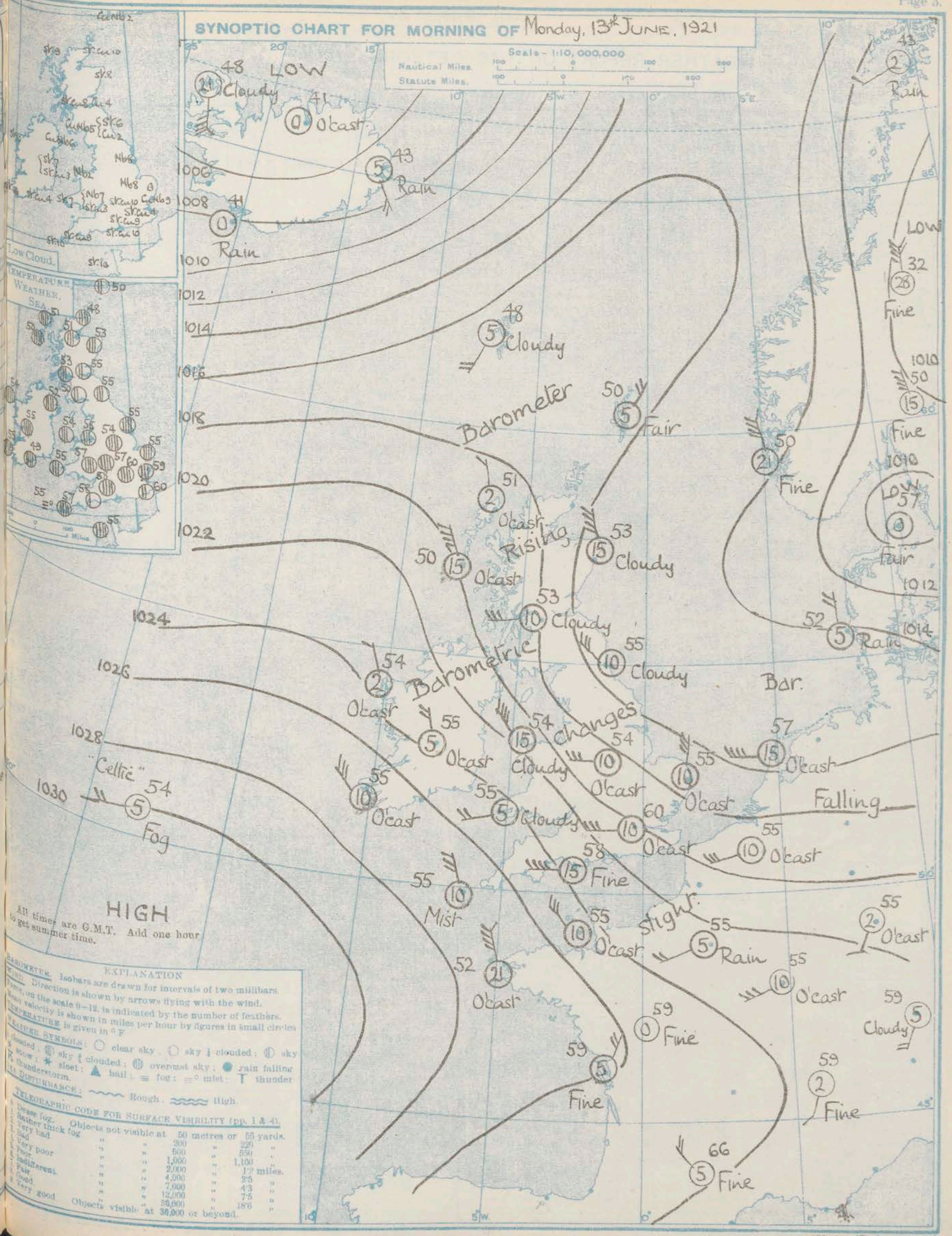
Pressure continues high to the South-West and a rise of the barometer is in progress over Scotland. The tendency for local showers or slight rain due to shallow secondaries continues and a good deal of cloud is probable in all districts during the next day or two.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Monday, 13th June, 1921.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind mainly N.W., moderate or fresh; cloudy, probably local showers, visibility fair; moderate temperature.	Mainly fair in the South, changeable in the North.
4. W. Midlands 5. S.W. England 6. South Wales	Wind W. to N.W., moderate; mainly fair but some local showers, visibility fair, local coast mist; moderate temperature.	
7. North Wales 8. N.W. England 9. N. Midlands	Wind mainly W. to N.W., moderate or fresh; cloudy, some showers, visibility fair, local coast mist; moderate temperature.	
10. N.E. England 11. E. Scotland 12. S.W. Scotland	Wind N.W. to N., fresh or strong, backing and moderating later; dull, local rain or showers, improving; visibility fair to good; rather cool.	
13. Isle of Man	As for 7 - 9.	
14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Light Northerly winds; cloudy, local showers, visibility fair; rather cool.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind between S.W. and N.W., moderate; cloudy, local rain or showers, visibility fair; moderate temperature.	

E.S.6

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

P.S. 3183/368 Pc 112. D.521. 24152. 6/21.


SYNOPTIC CHART FOR MORNING OF Monday, 13th JUNE, 1921
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
LOW
HIGH
"Celtic"
Barometric changes
Barometer Rising
Bar. Falling
Low Cloud.
TEMPERATURE WEATHER, SEA.
All times are G.M.T. Add one hour to get summer time.
EXPLANATION
BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Direction is shown by arrows flying with the wind. Force, on the scale 0–12, is indicated by the number of feathers. 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 (pp. 1 & 4).
0 Dense fog. Objects not visible at 50 metres or 55 yards.
1 Rather thick fog " " 200 " 220 "
2 Very bad " " 500 " 550 "
3 Very poor " " 1,000 " 1,100 "
4 Poor " " 2,000 " 1·2 miles.
5 Indifferent " " 4,000 " 2·5 "
6 Fair " " 7,000 " 4·3 "
7 Good " " 12,000 " 7·5 "
8 Very good " " 30,000 " 18·6 "
9 Objects visible at 30,000 or beyond.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION...MONDAY, 13th JUNE.....1921. No. 164...

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	1014.5	+1	-	0	od	46	92	5	·	Nb	10	-	10	*
Stornoway	1012.7	+2	W	3	o	*	*	6	*	*	*	*	2	*
Wick	1011.1	0	NNE	2	od	49	97	5	225	St	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1018.4	+2	W	4	0	51	92	6	4000	Nb	10	-	10	*
Renfrew	1016.6	+1	SW	3	0	50	97	8	1500	StCu	10	-	10	*
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1017.3	0	W	4	0	49	85	6	2500	St	10	-	10	*
Tynemouth	1015.6	0	NW	3	0	53	92	8	-	-	-	aSt	10	*
Blacksod Point ...	1021.9	+1	WNW	2	0	53	92	3	450	St	10	-	10	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1021.8	+1	W	3	0	54	92	8	2500	St	9	-	9	*
Holyhead	1020.6	+1	W	5	0	*	*	8	1500	StCu	10	-	10	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1017.2	0	W	3	0	55	85	6	2500	St	9	-	9	*
Spurn Head	1017.1	-1	W	4	0	53	75	7	450	St	10	-	10	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1018.7	-2	W'S	4	0	56	85	8	2500	StCu	4	aSt	9	*
Gorleston	1019.1	-2	NW	2	bc-	56	92	8	-	-	-	aSt	6	*
Pulham	1019.0	-1	WSW	3	bc-	57	85	5	1500	Cu	5	-	5	*
Felixstowe	1020.1	+2	W	4	b	56	85	8	-	-	-	aSt	3	*
Valencia (Cahirciveen)	1025.2	0	WNW	3	fo+	54	0	*	*	*	*	*	*	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1024.0	0	WSW	3	ff0	54	97	7	450	St	10	-	10	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obs).	1031.5	-1	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	1022.3	-1	W'S	3	0	56	85	8	1500	St	10	-	10	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1021.8	-1	SW	2	b	50	92	8	·	-	-	aSt	3	*
Scilly (St. Mary's) ...	1027.2	0	WNW	4	0	55	97	8	1500	St	10	-	10	*
Falmouth														*
Plymouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1024.3	0	W	3	b	57	85	8	-	-	-	-	-	*
Calshot	1023.4	-2	W'S	3	0	55	92	8	2500	St	10	-	10	*
Dungeness	1021.5	-1	WSW	4	c-	57	85	9	5750	StCu	7	-	7	*
Jersey (Guernsey 1h.)	1026.4	-1	WSW	3	b	53	92	8	5750	Cu	1	-	1	*

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	1016.8	+2	NE	2	bc-	50	75	7	-	CuNb	2	aCu	5	1
Stornoway	1019.3	+5	NNW	1	o-	51	75	7	800	St	9	-	9	0
Wick	1016.8	+6	NNE	2	o/r	48	97	9	5750	StCu	10	-	10	0
Castlebay	1019.9	+2	NW	4	o	50	97	8	4000	St	10	-	10	3
Nairn	1017.2	*	W	1	cg	51	*	*	*	*	*	*	*	1
Aberdeen	1015.0	+4	NW	4	c	53	92	8	1500	St	8	-	8	0
Malin Head	1020.6	+2	WNW	3	c-	51	92	7	4000	Nb	8	·	8	7
Renfrew	1018.2	+1	W	3	c	53	85	8	2500	StCu	8	-	8	*
Leith	1016.4	+4	NW	3	bc	55	75	9	-	Cu	4	-	4	*
Eskdalemuir	1016.5	0	WNW	6	bc	50	75	8	4000	CuNb	5	CiCu	6	*
Tynemouth	1015.3	0	WNW	3	c-	55	85	8	4000	St	8	-	8	*
Blacksod Point ...	1022.7	0	NW	1	o	54	97	7	450	St	10	-	10	0
Donaghadee	1020.1	+1	WNW	6	c+	52	85	8	4000	CuNb	6	aCu	8	6
Birr Castle	1024.4	*	NW	2	o/r	55	97	6	800	St	9	-	9	*
Baldonnell	1023.7	+3	W	3	o	53	85	7	800	St	10	-	10	*
Holyhead	1022.8	+2	WNW	5	c	54	92	8	2500	Nb	2	aSt	8	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	1020.3	+1	WNW	5	od	53	97	5	2500	Nb	10	-	10	*
Howden	1017.8	+1	W	4	or od	53	85	7	1500	Nb	8	aSt	10	*
Spurn Head	1017.1	0	W	6	o	55	75	8	7250	CuNb	2	aSt	9	*
Nottingham	1019.7	0	W	3	o	54	85	5	2500	Nb	8	CiSt	10	*
Cranwell	1018.8	+2	WNW	5	o+	54	75	8	2500	Cu	10	-	10	1
Gorleston	1017.7	+2	NW'N	3	o-	55	97	8	-	-	-	aSt	9	*
Pulham	1017.6	-2	W	3	o	59	85	8	2500	Cu	10	-	10	1
Felixstowe	1018.7	-1	WNW	3	o	58	85	8	4000	CuNb	9	Ci	1	1
Valencia (Cahirciveen)	1027.4	+1	W'N	3	o/r	55	97	6	2150	St	10	-	10	5
Roches Point	1025.7	0	W	4	o	49	92	8	1500	StCu	10	-	10	3
Pembroke (St. Ann's H.)	1024.7	0	WSW	2	c-	55	85	8	800	St	7	-	7	3
Ross-on-Wye	1021.7	0	WNW	4	o	57	75	9	2500	Nb	10	-	10	*
Benson...	1021.0	0	W	2	o	57	75	8	-	StCu	10	-	10	*
S. Farnborough ...	1021.3	-1	W	3	o	58	85	8	1500	StCu	9	aSt	10	*
London (Kew Obs).	1020.6	0	W	3	o	60	75	8	2500	StCu	4	aSt	10	*
Croydon	1020.8	-1	W	4	o	60	75	8	1500	St	7	aSt	10	*
Clacton-on-Sea ...	1018.4	-1	WNW	3	c	59	85	7	2500	Cu	8	aSt	7	0
Shoeburyness	1019.6	-1	WNW	2	bc	61	65	7	2500	StCu	6	-	6	*
Grain	1019.6	-1	W	5	o	61	75	8	4000	Cu	5	aSt	9	3
Lympne	1020.0	-2	SW	3	c	58	85	8	2500	Cu	3	aSt	8	*
Scilly (St. Mary's) ...	1026.1	0	NW'W	3	fo-	55	97	5	1500	St	10	-	10	4
Falmouth	1026.0	0	WNW	4	o	57	92	7	-	StCu	9	-	9	*
Plymouth	1024.7	-1	WNW	3	o	58	85	8	4000	StCu	10	-	10	*
Portland Bill	1023.0	-2	W	4	b	58	92	8	-	-	-	aSt	3	3
Calshot	1022.2	-1	W	4	o	60	85	8	2500	StCu	10	-	10	0
Dungeness	1020.3	-1	W	4	bc-	60	85	9	-	-	-	aCu	5	4
Jersey (Guernsey 1h.)	1025.4	0	WNW	3	o	55	97	8	1500	St	10	-	10	0

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

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 17h. 12th hr.	Sunshine. Sunrise to Sunset. 11th hr.
Banff	co	op	56	43	0.3	04	1.0	10.4
Montrose	o	o/r	53	43	-	1	-	11.8
Llandudno								
Colwyn Bay ...								
Rhyl...	cp	op	60	40	·	1	0.1	12.4
Southport	or o	o	57	49	0.4	1	-	9.0
Blackpool	or	o	56	49	1	2	-	11.3
Harrogate	c	c	54	39	0.4	-	0.4	?
Skegness	o	o	60	38	-	0.1	0.7	10.3
Aberystwyth ...								
Bath	bbc co	cbco	65	41	-	-	4.4	8.4
Leamington Spa ...								
Lowestoft	o	p	59	41	-	0.2	0.2	6.8
Felixstowe	og	og	62	44	-	-	1.5	7.4
Southend	bc.c	co	69	44	-	-	4.2	10.1

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 17h. 12th hr.	Sunshine. Sunrise to Sunset. 11th hr.
Paignton	bg	bcbg	69	44	-	-	10.3	9.0
Ilfracombe	b. bc c	cocd	60	53	-	-	2.2	7.5
Bude								
Penzance	b	c	66	51	-	-	9.8	10.0
Torquay								8.3
Weymouth	bc	bcb	67	44	-	-	12.0	10.0
Bournemouth ...	b	b	69	41	·	-	11.5	9.2
Portsmouth (S'thsea)	b	b	67	45	-	-	9.6	10.0
Worthing	bc	bcc	63	45	-	-	8.3	9.5
Brighton	bc	bc	62	48	-	-	7.7	8.1
Eastbourne ...	cbc	c	62	48	-	-	9.0	
Hastings	bbcc	bcc	63	46	-	-	9.2	6.0
Folkestone	c	bc	68	46	-	-	6.5	7.7
Tunbridge Wells ...								7.5
Ramsgate	bc	o	65	46	-	-	5.1	7.2
Margate	b bc	c	65	51	-	-	3.7	10.7
Deal	bbc	obc	65	45	-	-	8.5	

* 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.21,754 Tuesday, 14th June 1921. Page 1.

Stations.	1300 G.M.T. 13th 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	1800 G.M.T. 13th 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	1020.2	+4	S	2	bc	50	75	8	7250	St.Cu	2	A Cu	5	•	1018.8	0	WSW	2	bc	51	75	8	-	•	•	A Cu	5	1
Stornoway	1021.6	+2	SW	2	o	52	85	7	450	St	10	-	10	•	1021.7	0	SW	4	odd	51	85	6	450	St	10	-	10	2
Wick	1020.7	+4	ENE	2	c	52	85	8	2500	Cu Nb	8	-	8	•	1021.3	0	S	1	o	50	92	9	450	St	8	Ci St	10	0
Castlebay	1022.7	+2	NW	3	o	53	85	6	1500	St	10	-	10	•	1023.3	0	SW	4	o	51	92	7	5750	St	10	-	10	2
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1020.8	•	W	1	c	58	•	•	•	•	•	•	•	•
Aberdeen	1021.1	+5	ENE	3	opr₀	53	85	8	2500	Nb	9	-	9	•	1022.6	+1	SE	3	bc⊕	53	85	8	-	-	-	Ci St	6	0
Malin Head	1023.9	+2	WNW	3	c	53	97	8	4000	Nb	4	A Cu	4	•	1024.6	0	SW	2	o	54	92	8	4000	~~Nb~~ St	10	~~A Cu~~	10	1
Renfrew	1021.4	+3	WNW	3	o	61	65	8	2500	St. Cu	5	A. St	9	•	1023.6	+4	WNW	2	o	55	75	8	-	St Cu	9	A. St	10	•
Leith	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1023.6	+2	•	0	o	57	75	9	-	-	-	Ci St	10	•
Eskdalemuir	1021.0	+2	N	3	o	55	65	8	4000	St. Cu	10	-	10	•	1023.3	+2	NW	3	o	54	75	8	4000	St Cu	10	-	10	•
Tynemouth	1019.2	+3	N	5	c	54	97	8	4000	Cu	3	A. St	8	•	1023.6	+3	NNE	2	bc	53	97	8	-	-	-	A. Cu	5	2
Blacksod Point	1025.3	+3	SW	1	fo	56	97	4	450	St	10	•	10	•	1025.9	+1	W	2	ffo	55	97	4	450	St	10	-	10	0
Donaghadee	1023.6	+2	NNW	3	cv	59	65	8	7250	St. Cu	7	-	7	•	1024.8	+2	N	2	cv	55	83	8	4000	Cu Nb	2	Ci Cu	7	1
Birr Castle	1025.6	*	NW	1	c	60	85	6	2500	St. Cu	7	-	7	•	1026.1	*	NW	2	o	62	85	6	1500	St	9	•	9	•
Baldonnell	1025.0	+1	WNW	4	c	61	85	8	4000	St. Cu	8	•	8	•	1025.7	+1	NW	2	o	62	65	9	4000	St Cu	7	A. St	9	•
Holyhead	1024.2	+1	NW	5	c	58	85	8	4000	Cu	1	Ci	8	•	1025.4	+1	W	3	c	59	75	8	4000	St Cu	6	A. Cu	8	1
Liverpool (Bidston)	1022.7	+3	W	3	bc	56	75	8	1500	Cu	6	•	6	•	1024.7	+2	W	4	bcv	57	65	9	-	-	-	Ci Cu	5	4
Manchester (Alex. Pk.)	1021.4	+1	WNW	5	o/r	59	65	8	2500	St. Cu	10	•	10	•	1023.9	+3	NW	4	o	58	65	8	4000	Cu	6	A. Cu	9	•
Howden	1018.8	+1	NW	5	o	62	55	8	1500	St. Cu	9	A. St	10	•	1022.3	+4	N	4	o	57	75	8	4000	St Cu	3	Ci St	9	•
Spurn Head	1018.6	0	NW	6	c	59	75	8	7250	St. Cu	8	•	8	•	1022.4	+4	NNW	6	o	55	65	8	450	St	9	-	9	4
Nottingham	1020.8	•	WNW	4	c	62	53	6	2500	Cu	3	A. Cu	4	•	1022.7	•	NNW	3	o	60	65	5	2500	Nb	7	Ci St	10	•
Cranwell	1020.1	+2	WNW	5	o	60	65	8	~~4000~~	Cu	8	A. St	10	•	1022.5	+3	N	4	o	60	65	8	4000	Cu	6	A. St	9	•
Gorleston	1018.0	+1	NNW	4	c	63	85	8	4000	Cu Nb	7	-	4	•	1019.9	+2	N	5	bc	60	92	8	4000	Cu	3	Ci Cu	6	0
Pulham	1018.8	0	WNW	2	o	60	75	8	2500	St. Cu	10	•	10	•	1020.5	+2	NNW	2	c	60	75	8	4000	St Cu	7	-	7	•
Felixstowe	1019.6	+1	NNW	4	o	61	65	8	2500	Cu Nb	10	•	10	•	1020.8	+2	N	4	c	61	65	8	4000	St Cu	6	A. St	8	1
Valencia (Cahirciveen)	1023.5	+1	W	2	c	57	92	7	450	St	8	•	8	•	1029.1	0	NW	3	ifo	56	92	7	450	St	10	-	10	1
Roches Point	1026.6	+1	NW	4	c	64	85	8	1500	St. Cu	8	•	8	•	1027.7	+1	NW	3	c	64	83	8	2500	St. Cu	7	-	7	0
Pembroke (St. Ann's H.)	1026.0	+1	WSW	2	cv	58	85	9	5750	Cu	7	-	7	•	1026.6	0	WNW	1	b	59	75	9	-	•	-	-	0	3
Ross-on-Wye	1022.1	0	NW	5	c⊕	67	55	9	4000	Cu	4	Ci	7	•	1023.9	+2	N	4	ov	60	65	9	4000	St Cu	7	Ci Cu	9	•
Benson	1021.1	+1	NW	4	o	64	55	7	-	St Cu	10	-	10	•	1022.6	+2	NW	4	bc	63	53	8	-	Cu	4	Ci	5	•
S. Farnborough	1020.9	0	WNW	4	o	66	45	8	2500	Cu	8	A. St	9	•	1022.2	+2	NW	3	o	63	55	8	4000	Cu	2	Ci St	9	•
London (Kew Obsy)	1021.0	+1	NW	4	o⊕	65	55	9	4000	Cu	7	Ci St	9	•	1022.4	+1	NW	3	c⊕	63	55	8	5750	Cu	2	Ci St	7	•
Croydon	1020.9	0	NW	4	o/r	64	55	8	2500	Cu	9	Ci. St	10	•	1022.1	+2	NNW	3	o	62	55	9	5750	Cu	7	Ci St	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1020.7	+2	WNW	4	o	62	65	7	4000	St Cu	8	A. St	10	0
Shoeburyness	1020.0	0	WNW	4	o	65	55	7	2500	Cu	6	Ci. St	9	•	1021.0	+1	NNW	3	fc+	63	55	6	2500	St. Cu	7	-	7	•
Grain	1020.1	0	WNW	5	o	65	65	8	5750	St. Cu	7	A. St	10	•	1021.4	+2	NW	4	o	63	65	8	4000	Cu	7	A. St	10	3
Lympne	1020.0	0	WNW	3	c	64	75	8	2500	Cu	6	A. St	8	•	1021.5	+2	NW	3	o	61	65	8	4000	Cu	2	Ci St	9	•
Scilly (St. Mary's)	1026.9	0	WNW	2	o/f	60	92	8	1500	St	10	-	10	•	1026.9	0	NW	4	ifo	56	97	2	1500	St	6	-	10	3
Falmouth	1026.1	0	NW	5	o	63	75	8	•	St. Cu	9	-	9	•	1027.1	+2	NNW	3	fc+	59	85	6	-	St. Cu	7	-	7	•
Plymouth															1026.4	+2	NW	4	o	62	75	8	2500	St Cu	9	-	9	•
Portland Bill	1023.0	0	W	4	b+	58	92	8	•	•	•	Ci Cu	2	•	1023.6	0	W	4	b	59	85	8	•	-	-	-	0	3
Calshot	1021.7	*2	WNW	5	c	66	63	8	4000	Cu	6	Ci	8	•	1023.4	+3	NW	5	o	63	75	8	5750	St Cu	9	•	9	3
Dungeness	1020.2	-1	WNW	4	bc	66	65	8	5750	Cu	6	•	6	•	1021.0	+1	NW	4	c⊕	65	55	8	5750	Cu	2	Ci	5	4
Jersey	1025.1	0	NW	4	o	61	75	8	•	•	•	Ci St	9	•	1025.2	0	WNW	4	ov	60	85	9	-	-	-	A. Cu	9	3

1000

London Observations.	Weather. Morning.	Weather. Afternoon.	Weather. Night	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. Day mm	Rainfall. Night mm	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 Hours ended 0900 G.M.T. 14th								Yesterday.		To-day.
Kew	0. oy	oy. cy	cy bc. oo	•	•	39	-	-	2.3	•	•
Croydon (24 hours ended 0700)	op₀	oy	oy c bc bo	•	•	38	-	-	•	•	•
Greenwich (Royal Obsy.)	o	o. c.	c. bc.	67	48	35	-	-	2.2	51	68
City (Bunhill Row)	•	•	•	•	•	•	-	•	1.4	•	•
Westminster (St. James' Pk.)	•	•	•	67	51	45	-	-	2.4	52	67
Regents Pk. (Botanical Gdns.)	•	•	•	•	•	•	•	•	2.2	•	•
Camden Sq. (Brit. Rainfall)	0. b	c.	•	69	48	44	-	-	•	55	67
Kensington Palace	o	o	•	67	48	43	-	-	•	54 (18h)	73
Hampstead Observatory	•	•	•	65	47	38	-	-	2.3	•	72

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

24 Hr. ended 1800 G.M.T. 13th

South Kensington			
Max.	Time.	Min.	Time.
0.2lbs	17h. 12 13th	0.2 lbs	0-3h 13th
0.4lbs	11h. 13th		

Kew Observatory			
Max.	Time.	Min.	Time.
		4/2	16h 12th to 16h 13th

Solar Radiation. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total 1133 joules

Average Rate 19.1 Milliwatts.

Maximum Rate 78 Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from 13th 21 h. 30 m. to 14th 2 h. 30 m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	5.0	4.6	82
δ Ursae Minoris	5.0	3.45	75

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

14th and 15th June 1921.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.31 / 3.31	11.53 / 11.53	8.14 / 8.15
Greenwich	3.44 / 3.44	12.0 / 12.0	8.16 / 8.16
Wick	3.7 / 3.7	12.12 / 12.12	9.17 / 9.17
Valencia	4.22 / 4.22	12.41 / 12.41	8.59 / 9.0

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.
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"; bc = cloud 0-5; co = cloud 6-10.

Capital letters indicate intensity, 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.	Metres per second.
0	Less than 1.	Less than 0·3
1	1-3	0·3-1·5
2	4-7	1·6-3·3
3	8-12	3·4-5·4
4	13-18	5·5-7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

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

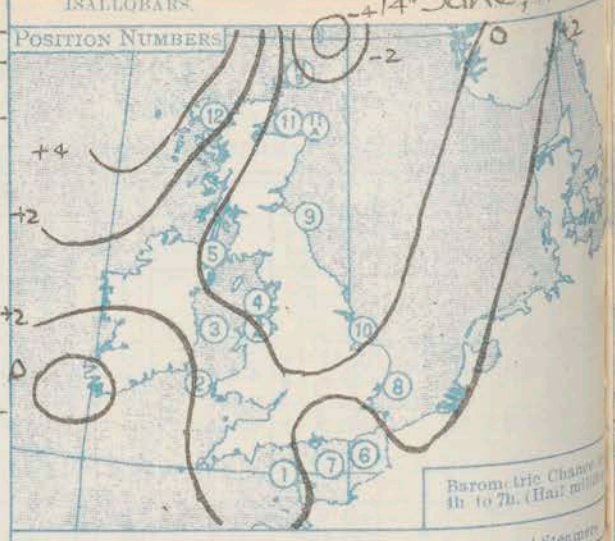
M.O. Form 2370.

Summaries for the Past 24 Hours

Stations.	Weather. 7h.-13h. 13th	Weather. 13h.-18h. 13th	Weather. 18h. 13th to 1h. 14th	Weather. 1h.-7h. 14th	Temperature. Max. Day. 7h.-18h.	Temperature. Min. Night. 18h.-7h.	Temperature. Min. on Grass.	Rainfall.† Day. 7h.-18h.	Rainfall.† Night. 18h.-7h.	Rainfall.† Precipitation began.	Sun. Hours.
Lerwick	b or bc	b or bc	r or δ	r₀r₀	53	47	•	0·1	8	-	•
Stornoway	oo	r or d	oo	p	54	49	•	1	1	1430	1·3
Wick	c	oo	r or δ	c	53	49	•	-	1	-2200	•
Castlebay	o	opo	oδpδ.	δ₀δ₀	53	50	•	0·3	0·2	-	0·1
Nairn	cp bc	bccg	cq	bc	60	48	•	-	0·3	-	2·4
Aberdeen	c	op₀bc	c		58	51	48	trace	-	-	4·7
Malin Head	c	c					•				
Renfrew	pr₀oc	oo	opr₀	oo	63	50	45	-	-	-	7·7
Leith	c	c	c		60	49	45	-	-	-	•
Eskdalemuir	c	oo	oo	oo	60	44	38	-	-	-	3·2
Tynemouth	oo	c	im.	i im	58	50	•	-	-	-	•
Blacksod Point	oo	f or m	f or m	form	58	51	•	trace	trace	-2200	•
Donaghadee	c	bcv	cv	cv	59	51	•	-	-	-	•
Birr Castle	c	c	cpr₀	c	64	54	53	-	0·1	-	2·4
Baldonnell	c	c	r or δ	r or δ	65	54	53	-	0·2	-2300	5·1
Holyhead	obc.c	c.o.c	c	oo	61	53	51	-	-	-	6·9
Liverpool (Bidston)	c	b or bc	c		59	52	47	-	-	-	5·6
Manchester (Alex.Pk.)	im.im.	o	im.	im.oo	62	48	41	trace	-	-	•
Howden	oo	oo	oo	oo	65	46	37	trace	-	1530	3·6
Spurn Head	b or bc	c	c	c	60	50	•	-	-	-	•
Nottingham	c	c	c		64	47	41	-	-	-	2·2
Crauwell	oo	oo	c	oo	64	44	37	-	-	-	3·1
Gorleston	oo	b or bc	oo	oo	64	46	42	-	-	-	6·3
Pulham	oo	c	oo	c	63	?	40	-	-	-	0·7
Felixstowe	oo	oo	b or bc	c	64	46	?	-	-	-	0·7
Valencia (Cahirciveen)	c	c	b or bc	oo	259	53	53	-	-	-	1·1
Noches Point	oo	oo	oo		67	55	•	-	-	-	•
Pembroke (St.Ann's H.)	f or m	b or bc	c	oo	61	53	•	-	-	-	8·3
Ross-on-Wye	o.c.bcv	c bbcvyo	r ov.cv.	bcv.c.ov	70	44	38	-	-	-	5·3
Benson	oo	c	b or bc		67	43	37	-	-	-	•
S. Farnborough	oo	oo	c		68	46	41	trace	-	9·0	2·5
London (Kew Obs)	oo oy	oy cy	cy.bc.bc	bc.oo	66	49	39	-	-	-	2·3
Croydon	op₀	oy	oy.c.bc.b	b.o	65	43	38	-	-	-	•
Clacton-on-Sea	co		o.c.bc	bc.c	66	46	43	-	-	-	1·6
Shoeburyness	c	c	c.bc.	om.	67	46	38	-	-	-	4·3
Grain	oo	oo	oo		66	44	38	-	-	-	4·8
Lympne	coc	oo	o.c.bc	b.bc.c.o	65	47	43	-	-	-	3·7
Scilly (St. Mary's)	f or m	oo	b or bc	b or bc	61	53	•	-	-	-	0·0
Falmouth	drford	ocm	oo	oo	66	54	46	-	-	-	8·2
Plymouth		c	b or bc	b or bc	266	247	38	-	-	-	8·7
Portland Bill	b or bc	b or bc	c	b or bc	63	50	[illegible]	-	-	-	•
Calshot	oo	c	c	b or bc	69	49	46	-		-	5·6
Dungeness	c	c	c	b or bc	68	49	•	-	-	-	
Jersey	odₒo	ocbo	b or bc	b.o	63	55	•	trace	-	9.0	5·0

ISALLOBARS.

POSITION NUMBERS.



Temperature reported from Cross Channel and Coastal Steamers.

Position Number	9	3	7
Date	13th	13th	14th
Time G.M.T.	0500	1015	0300
Sea °F	51	52	54
Air °F	53	54	56

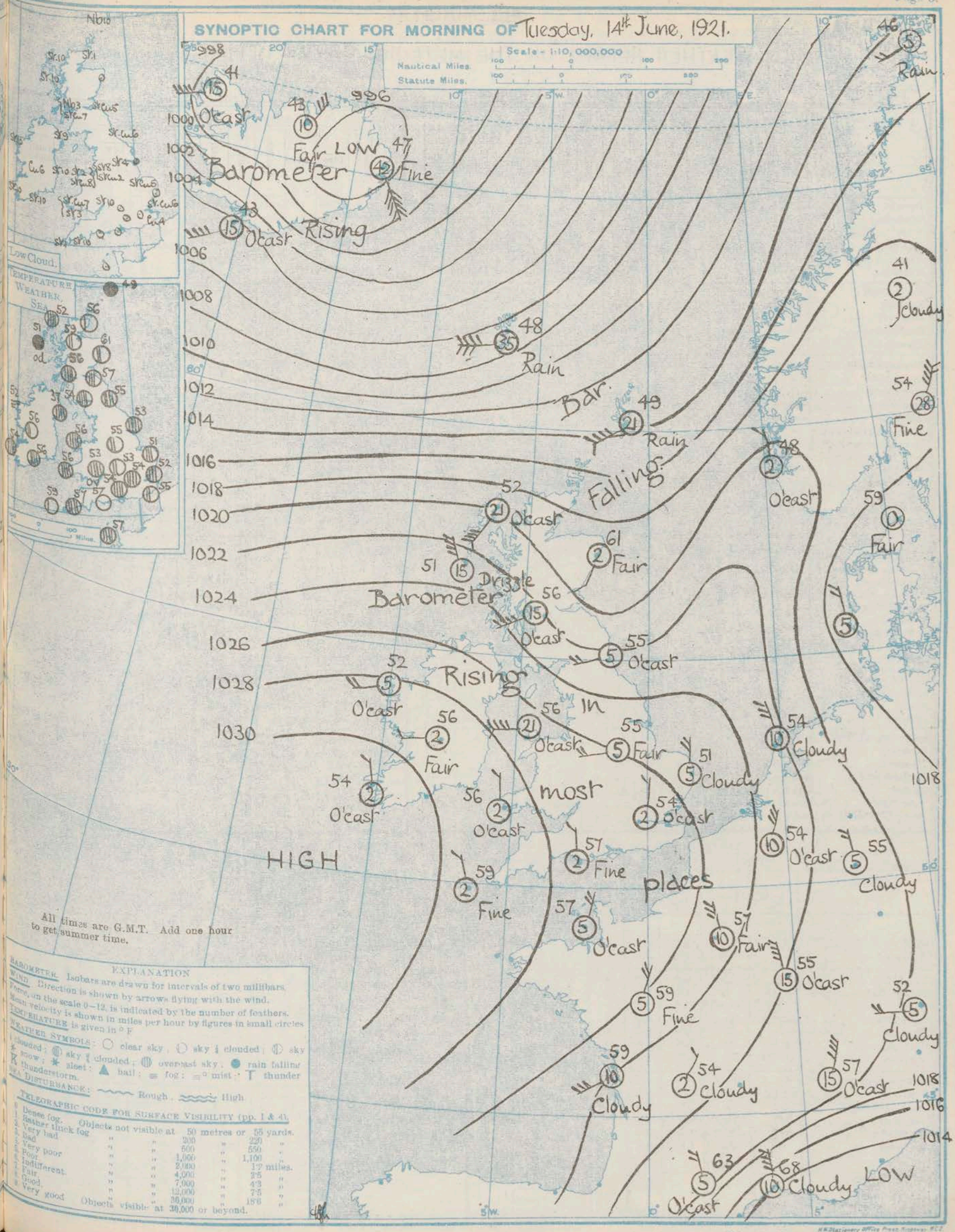
GENERAL INFERENCE.

The anticyclone will continue to maintain generally fair weather in the South but secondaries moving from West to East will cause changeable weather in Scotland.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday, 14th June, 1921.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Light North or North-West winds; fair generally; visibility mainly good; warmer.	Continuing fair in the South; changeable in the North.
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 moderate; cloudy to fair, perhaps local showers; visibility mainly good; moderate temperature.	
14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind Westerly moderate to strong; cloudy or dull some rain; visibility indifferent to fair, some mist; moderate temperature.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind Westerly light or moderate; mainly fair; visibility fair but some coast mist; moderate temperature.	

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

Pc 3183/369 Wt 112. 0.821. 24750. 6/21


SYNOPTIC CHART FOR MORNING OF Tuesday, 14th June, 1921.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
Low Cloud.
TEMPERATURE
WEATHER
SEA
Barometer
Rising
Fair LOW
Fine
Rising
Rain
Bar.
Falling
Rain
Fine
Cloudy
Fair
Drizzle
Barometer
Rising
in
most
places
HIGH
LOW
All times are G.M.T. Add one hour to get summer time.
EXPLANATION
BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Direction is shown by arrows flying with the wind. Force, on the scale 0—12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in ° F.
WEATHER SYMBOLS: clear sky; sky ¼ clouded; sky ½ clouded; sky ¾ clouded; overcast sky; snow; sleet; rain falling; hail; fog; mist; thunder; thunderstorm.
SEA DISTURBANCE: Rough; High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY (pp. I & 4).
0 Dense fog. Objects not visible at 50 metres or 55 yards.
1 Rather thick fog " " 200 " 220 "
2 Very bad " " 500 " 550 "
3 Bad " " 1,000 " 1,100 "
4 Very poor " " 2,000 " 1·2 miles.
5 Poor " " 4,000 " 2·5 "
6 Indifferent " " 7,000 " 4·3 "
7 Fair " " 12,000 " 7·5 "
8 Good " " 36,000 " 18·6 "
9 Very good Objects visible at 30,000 or beyond.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION. Tuesday 14th June 1921. No. 165

Stations	0100 G.M.T. 14th: 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 G.M.T. 14th: 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	1017·7	-4	WSW	3	oToTo	47	97	6	7250	Nb	10	-	10	*	1014·0	-5	WSW	5	oToTo	49	97	4	1500	Nb	10	-	10	4
Stornoway	1020·7	+2	SW	4	o	*	*	6	*	*	*	*	*	*	1021·0	+4	SW	5	o+	52	92	7	450	St	10	-	10	3
Wick	1028·7 (1018·7)	-3	S	2	o/T	50	92	8	5750	St Cu	10	-	10	*	1017·5	0	SSW	1	b-	56	85	8	7250	St	1	Ci St	3	0
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1023·9	+2	NW	4	oδoδo	51	97	4	450	St	10	-	10	2
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1019·1	*	W	3	bcq	59	*	*	*	*	*	*	*	2
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1019·7	0	SSW	1	bc-	61	75	8	-	-	-	Ci St	4	0
Malin Head														*														
Renfrew	1024·5	0	SW	1	o	51	85	8	2500	St	8	a St	10	*	1023·9	-1	W	4	o	56	92	8	800	St Cu	10	-	10	*
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1020·8	0	SW	4	bc	57	92	8	-	St Cu	5	Ci St	6	*
Eskdalemuir	1025·0	0	-	0	o	47	85	8	2500	St	1	a St	9	*	1023·8	0	SSW	3	o-	54	85	8	2500	St	10	-	10	0
Tynemouth	1024·6	-1	W	2	o	51	97	7	4000	Nb	10	-	10	*	1023·3	0	W	2	o-	55	92	7	2500	St	6	a Cu	9	*
Blacksod Point	1028·1	+1	W	2	fo+	53	97	3	450	St	10	-	10	*	1028·3	+2	W	1	fo-	52	97	4	450	St	10	-	10	0
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1025·8	0	-	0	ov	57	85	8	450	St	9	-	9	0
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1028·5	*	W	1	bc-	56	97	7	4000	Cu	6	-	6	*
Baldonnell	1027·4	+1	W'N	2	o/T	57	92	8	1500	St	10	-	10	*	1028·2	+2	WSW	3	oδo	56	92	8	1500	St	10	-	10	1
Holyhead	1026·9	+1	SW	3	o	*	*	8	450	St	10	-	10	*	1027·4	+1	W	5	o	56	92	8	800	St Cu	10		10	*
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*														
Manchester (Alex. Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1026·7	0	WSW	2	o	55	85	5	2500	St	10	-	10	*
Howden	1025·3	0	-	0	o-	49	92	8	4000	St Cu	9	-	9	*	1024·8	0	W	2	o	52	85	7	4000	St	4	Ci Cu	9	1
Spurn Head	1025·6	+2	N	2	bc	53	55	9	450	St	5	-	5	*	1025·8	0	W	3	o+	53	85	8	-	-	-	a St	10	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1026·0	*	W	2	bc-	55	85	4	-	-	-	Ci St	5	*
Cranwell	1026·1	+3	NE'N	1	bc-	45	97	7	2500	St Cu	4	a Cu	6	*	1025·9	0	W	3	o	53	85	8	4000	St Cu	5	a St	10	1
Gorleston	1023·4	+3	NE'N	2	c-	53	92	8	4000	Cu Nb	8	-	8	*	1024·1	+2	NW'N	2	c	51	92	8	-	-	-	a Cu	8	*
Pulham	1024·3	+1	NNW	2	c-	50	92	6	2500	St Cu	8	-	8	*	1025·9	+1	-	0	o	57	92	7	4000	St Cu	10	-	10	0
Felixstowe	1024·9	+4	N'W	2	b-	49	92	8	7250	St Cu	2	-	2	*	1026·8	+1	N'W	2	o	52	85	8	-	St Cu	6	a St	10	0
Valencia (Cahirsiveen)	1031·2	+1	-	0	c	55	*	3	-	Cu	6	Ci Cu	8	*	1030·6	0	NNW	1	o	54	92	7	450	St	10	-	10	0
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1029·6	0	NW	3	o	56	85	8	800	St	10	-	10	1
Pembroke (St. Ann's H.)	1028·0	+1	WSW	1	c	55	85	9	5750	St Cu	8	-	8	*	1028·7	+1	N	1	o	56	97	8	2500	St Cu	10	-	10	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1027·1	+1	W	1	ov	53	85	9	2500	St	10	-	10	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1027·2	+2	NNW	1	bc	53	85	7	-	-	-	a St	5	*
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1027·1	+2	NW	2	o	54	85	8	-	-	-	a St	10	*
London (Kew Obsy)	1025·7	+3	*	*	*	*	*	*	*	*	*	*	*	*	1027·2	+2	N	1	o-	54	75	7	-	-	-	a Cu	9	*
Croydon	1026·0	+2	N'E	2	b	52	85	8	-	-	-	a St	3	*	1027·2	+2	NNW	2	o	53	85	7	-	-	-	a Cu	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1026·4	+2	NNW	2	c+	52	85	7	-	-	-	a Cu	7	0
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1026·7	+1	NE	1	bc-	52	85	7	5750	St Cu	5	-	5	0
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1026·7	+2	N'W	1	o	54	85	8	4000	Cu	2	a Cu	9	*
Lympne	1024·8	+3	NW	3	b-	49	92	8	-	-	-	a St	2	*	1026·5	+2	N	2	o	52	92	8	1500	Cu	7	a Cu	9	1
Scilly (St. Mary's)	1028·9	+1	NW	1	b	55	97	8	-	-	-	-	-	*	1029·0	0	NNW	1	b	59	97	8	2500	St	1	-	1	*
Falmouth														*	1028·7	+1	N	1	o	57	92	7	-	St	10	-	10	*
Plymouth	1028·0	+1	NE	1	b	52	92	8	-	-	-	Ci	1	*	1029·7	+1	-	0	c+	54	85	8	2500	St Cu	6	Ci	7	0
Portland Bill	1025·9	+2	W	2	b	57	85	8	-	-	-	-	-	*	1027·3	+2	NW'W	1	b	57	85	8	-	-	-	-	-	0
Calshot	1026·3	+1	NW	3	b-	55	85	8	-	-	-	a St	2	*	1028·3	+3	NW'N	3	b-	55	75	8	-	-	-	-	-	3
Dungeness	1024·2	+3	NNW	3	bc-	54	85	9	4000	St	6	-	6	*	1026·6	+2	N	3	bc	55	85	9	5750	Cu	2	a Cu	5	0
Jersey (Guernsey 1h.)	1026·9	+2	NW	4	b	55	92	8	*	*	*	*	*	*	1027·1	+1	NNE	2	o	57	75	8	-	-	-	a St	10	

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

Stations	Weather Fore-noon	Weather After-noon	Temperature Max. Day °F.	Temperature Min. Night °F.	Rainfall Night 17h.-9h. 12th-13th mm.	Rainfall Day 9h.-17h. 13th mm.	Sunshine Sunrise to 17h. 13th hr.	Sunshine Sunrise to Sunset 12th hr.
Banff	bc	bbc	56	50	1	-	7·3	1·0
Montrose	c	c	58	49	*	-	2·9	0·0
Llandudno	oc	cbc	60	35	*	*	6·0	?
Colwyn Bay	cbc	b	59	52	*	-	2·6	?
Rhyl	cbcc	bccbc	59	51	-	-	4·4	1·9
Southport	ococbcc	bc.c	59	53	-	-	0·0	0·0
Blackpool	c	c	59	53	-	-	7·0	0·0
Harrogate	cbc	co	63	49	0·2	-	4·3	0·4
Skegness	bcov	vo	62	54	-	-	1·8	0·7
Aberystwyth	oc.c	bc.c	59	53	1	-	3·5	?
Bath	ocbcb	bbcc	67	56	-	-	5·4	4·4
Leamington Spa	oc	b	63	55	-	-	3·2	?
Lowestoft	oc	cbcc	62	59	-	-	2·3	0·2
Felixstowe	og	o	64	54	-	-	1·0	1·5
Southend	oc	oc	67	53	-	-	4·6	4·4

Stations	Weather Fore-noon	Weather After-noon	Temperature Max. Day °F.	Temperature Min. Night °F.	Rainfall Night 17h.-9h. 12th-13th mm.	Rainfall Day 9h.-17h. 13th mm.	Sunshine Sunrise to 17h. 13th hr.	Sunshine Sunrise to Sunset 12th hr.
Paignton	cqbc	cbcq	68	53	-	-	9·8	13·0
Ilfracombe	cbc	bc.b	60	53	-	-	5·4	2·5
Bude	oc.c	cbc.b	63	55	0·2	-	2·7	?
Penzance	o/c	bc	65	55	-	-	4·4	11·6
Torquay	b.bcb	by	69	56	-	*	9·9	?
Weymouth	oc	cbc	72	56	-	*	6·5	14·2
Bournemouth	o ob	bc	69	55	-	*	6·0	13·5
Portsmouth (S'thsea)	*	*	69	57	-	-	5·6	11·5
Worthing	oc	co	68	56	-	-	4·8	9·9
Brighton	c	c	71	56	-	-	4·6	8·3
Eastbourne	co	oc	69	56	-	-	3·2	9·3
Hastings	oc.	bc	67	54	-	-	2·2	10·5
Folkestone	o	c	68	47	-	-	3·0	7·5
Tunbridge Wells	oc	c	68	54	-	*	1·8	5·3
Ramsgate	bc	bc	?	?	-	]	2·3	3·1
Margate	o	cg	64	55	-	-	0·4	9·1
Deal	cbc	bc.c	68	53	-	*	3·2	

* 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.21,755 Wednesday, 15th June 1921.

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	Cloud Low Form.	Cloud Low Amt. 0–10	Upper Form.	Total Amt. 0–10	Sea 0–9
Lerwick	1015·1	+5	WSW	6	r°r°	51	97	2	1500	Nb	10	-	10	*
Stornoway	1023·0	+3	WSW	3	o	58	85	7	450	St	10	·	10	*
Wick	1019·6	+2	WSW	3	b+	67	75	8	800	St	3	-	3	*
Castlebay	1027·5	+1	WNW	4	ffo	53	97	3	450	St	10	·	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1021·1	+3	ESE	2	b	76	55	8	-	-	-	·	0	*
Malin Head														*
Renfrew	1025·0	+1	WNW	4	bc	64	65	8	2500	StCu	5	-	5	*
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1024·2	+2	W	4	b	66	65	8	-	-	-	-	0	*
Tynemouth	1022·4	0	NW	2	b	70	75	8	-	·	·	-	0	*
Blacksod Point	1029·9	+2	W	2	ffo	58	92	4	450	St	10	·	10	*
Donaghadee	1027·2	+1	W	1	ow	61	75	8	450	St	9	·	9	*
Birr Castle	1029·2	*	W	1	c	64	85	8	2500	St.Cu	8	·	8	*
Baldonnell	1029·4	+1	W'N	3	o	62	75	8	800	St.Cu	10	·	10	*
Holyhead	1028·5	+1	NW'W	5	o	63	85	8	2500	StCu	10	·	10	*
Liverpool (Bidston)	1027·4	+1	W'N	3	o	59	75	7	2500	StCu	10	-	10	*
Manchester (Alex.Pk.)	1027·1	+1	WNW	3	o	62	65	8	2500	St.Cu	10	-	10	*
Howden	1023·7	-1	W'N	4	bc-	70	65	7	4000	StCu	4	·	4	*
Spurn Head	1024·9	-1	SE	1	b	65	85	7	4000	Cu	2	·	2	*
Nottingham	1025·5	*	W	3	c	65	65	6	4000	Cu	7	·	7	*
Cranwell	1024·9	-1	W	4	o	67	65	7	2500	Cu	8	A.St	10	*
Gorleston	1025·4	0	N'W	2	o	62	85	8	5750	Cu	4	Ci.St	10	*
Pulham	1025·7	+1	WSW	1	o	61	75	8	2500	St	10	-	10	*
Felixstowe	1026·5	0	SSE	3	o	60	65	8	5750	StCu	6	A.Cu	9	*
Valencia (Cahirciveen)	1030·5	0	NW	3	b	60	85	9	800	Cu	1	·	1	*
Roches Point	1030·0	0	WNW	2	bc	66	75	8	2500	Cu	5	·	5	*
Pembroke (St.Ann's H.)	1029·3	+1	NW	3	b	61	85	9	5750	Cu	1	·	1	*
Ross-on-Wye	1026·7	0	NW	2	o	70	55	9	4000	StCu	9	-	9	*
Benson	1026·7	-1	NW	3	o	65	65	7	-	StCu	10	·	10	*
S. Farnborough	1026·5	-1	NW	3	o	68	55	8	2500	Cu	8	A.Cu	9	*
London (Kew Obsy)	1026·1	-1	WNW	2	o	66	55	9	5750	Cu	7	Ci.St	10	*
Croydon	1026·4	-0	WNW	2	o	65	55	8	4000	Cu	7	A.St	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1026·0	-1	NNW	1	c	64	63	7	2500	StCu	7	·	7	*
Grain	1026·6	0	-	0	c	62	65	7	2500	Cu	4	A.Cu	8	*
Lympne	1026·1	+1	SSE	3	cv	61	65	9	2500	Cu	5	A.Cu	8	*
Scilly (St. Mary's)	1029·2	0	N'W	1	bc	64	85	8	4000	St.Cu	5	-	5	*
Falmouth	1028·8	-1	SSW	2	o	62	65	8	-	Cu.Nb	9	-	9	*
Plymouth	1028·0	0	SW	2	c	64	65	9	2500	St.Cu	8	-	8	*
Portland Bill	1027·3	0	NW'W	2	bc	59	85	8	1500	StCu	4	-	4	*
Calshot	1027·2	0	NW'W	4	o	66	65	8	4000	St.Cu	9	-	9	*
Dungeness	1026·3	+1	SW	2	bc	59	75	9	5750	Cu	2	A.Cu	5	*
Jersey	1027·6	0	ESE	2	b	65	65	8	-	-	-	Ci.St	1	*

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	Cloud Low Form.	Cloud Low Amt. 0–10	Upper Form.	Total Amt. 0–10	Sea 0–9
Lerwick	1015·8	0	WSW	7	fo+	51	97	4	1500	Nb	10	-	10	6
Stornoway	1024·1	+1	WS	5	o	56	85	7	450	St	10	·	10	4
Wick	1020·9	+3	WSW	3	bc-	61	85	8	2500	CuNb	2	A.Cu	4	1
Castlebay	1027·7	+1	WNW	4	o/f	52	97	5	450	St	10	-	10	3
Nairn	1022·9	*	W	5	bc	64	*	*	*	*	*	*	*	*
Aberdeen	1022·2	+1	SE	2	b-	70	65	8	4000	Cu	2	-	2	0
Malin Head														
Renfrew	1026·9	+2	W	4	c	59	85	8	1500	StCu	7	-	7	*
Leith	1024·1	+2	W	4	b	70	55	8	-	-	-	·	0	*
Eskdalemuir	1024·9	+2	WNW	4	b	66	65	8	5750	Cu	1	-	1	*
Tynemouth	1022·9	+1	NW	2	b	72	65	8	-	-	-	·	0	1
Blacksod Point	1030·5	0	WNW	1	b/f	59	92	8	450	St	2	-	2	1
Donaghadee	1028·2	+1	N	3	bc-	55	85	8	4000	Cu	2	A.Cu	4	4
Birr Castle	1028·8	*	NW	1	c	68	75	7	2500	St	4	Ci.Cu	7	*
Baldonnell	1028·9	0	W'N	2	o	68	65	9	2500	StCu	9	—	9	*
Holyhead	1028·4	0	NE	1	o	64	85	8	2500	StCu	8	A.Cu	9	0
Liverpool (Bidston)	1027·4	0	W'N	2	b+	58	85	8	-	-	0	Ci.St	2	3
Manchester (Alex.Pk.)	1027·4	0	WNW	4	o	61	75	7	2500	St	10	·	10	*
Howden	1023·6	0	W	1	b	69	65	7	-	-	-	-	0	*
Spurn Head	1024·7	0	SE	2	b	65	85	7	2500	St	2	-	2	1
Nottingham	1025·2	*	W	3	b	67	65	6	-	-	-	-	0	*
Cranwell	1024·5	0	NW	4	b	72	55	7	-	-	-	-	0	*
Gorleston	1025·5	0	SW	4	b	59	92	8	4000	Cu	1	-	1	3
Pulham	1024·8	0	-	0	c	66	75	8	5750	Cu	8	-	8	*
Felixstowe	1025·8	-1	S'E	3	bc	59	85	8	5750	StCu	3	A.St	6	1
Valencia (Cahirciveen)	1029·6	-1	NW	3	bv	64	75	9	-	-	-	-	0	0
Roches Point	1029·5	-1	SSW	2	b	60	92	8	4000	Cu	1	-	1	0
Pembroke (St.Ann's H.)	1029·2	0	NW	3	c	59	85	9	5750	StCu	8	-	8	1
Ross-on-Wye	1025·9	-1	WNW	2	b	73	55	8	5750	Cu	1	-	1	*
Benson	1025·3	-2	NNW	3	bc-	71	65	8	-	Cu	4	·	4	*
S. Farnborough	1025·9	-1	N	1	c	68	65	8	4000	StCu	8	·	8	*
London (Kew Obsy)	1025·9	0	NNW	1	o	68	65	7	-	-	·	A.Cu	9	*
Croydon	1026·1	0	N	1	o	65	65	7	4000	StCu	10	-	10	*
Clacton-on-Sea	1025·6	-1	SSE	3	c	58	85	7	4000	StCu	8	·	8	0
Shoeburyness	1025·6	-1	-	0	c	64	75	7	2500	StCu	5	A.Cu	7	*
Grain	1025·9	0	-	0	o	66	65	7	2500	Cu	6	A.St	9	0
Lympne	1026·4	0	SSW	2	o	56	85	9	5750	StCu	10	-	10	*
Scilly (St. Mary's)	1029·1	0	NNE	1	bc+	61	92	8	4000	Cu	4	-	4	1
Falmouth	1028·2	0	NNW	3	b·	63	85	8	-	S.Cu	2	-	2	*
Plymouth	1027·3	-1	NW	2	b	67	65	8	-	-	-	-	0	*
Portland Bill	1026·6	-1	W'N	3	b	60	85	8	-	-	-	-	0	0
Calshot	1026·1	-1	NW	3	o	67	75	8	4000	StCu	9	-	9	0
Dungeness	1026·3	-1	SW	3	bc	58	75	9	5750	-	-	A.Cu	6	3
Jersey	1027·1	0	N	3	b	63	55	8	-	-	·	Ci.St	1	0

London Observations (24 Hours ended 0900 G.M.T. 15th)

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)
Kew	occybcoy	oyoo	bbwbm	*	*	42	-	-	4·0	*	*
Croydon (24 hours ended 0700)	d	oyq	ooym	*	*	41			*	*	*
Greenwich (Royal Obsy.)	o	o	b	71	49	38	-	-	0·7	55	62
City (Bunhill Row)	*	*	*	*	*	*		*	0·4	*	*
Westminster (St. James' Pk.)	bco	o	bc	69	51	45	-	-	1·3	56	60
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*		*	2·3	*	-
Camden Sq. (Brit. Rainfall)	bco	o	*	70	51	47	-	-	*	56	64
Kensington Palace	b	b	*	68	51	46	-	-	*	69 (18h)	66
Hampstead Observatory	*	*	*	67	51	41	-	-	2·6	*	67

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

24 Hr. ended 1800 G.M.T. 14th

South Kensington	Max.	Time.	Min.	Time.
	0·2	20h. 13th		
	0·4	7h. 14th	<0·2	1h. 14th
Kew Observatory	Max.	Time.	Min.	Time.
	<1/2lb	16h. 13th - 16h. 14th		

Solar Radiation. Vertical component per square centimetre.

During yesterday. South Kensington.

Total 1401 joules

Average Rate 23·5 Milliwatts.

Maximum Rate 82·2 Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from 14th 21 h. 30 m. to 15th 02 h. 30 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	5 0	5·0	100
δ Ursae Minoris	5·0	5·0	100

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom. 15th and 16th June 1921.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.31 / 3.31	11.53 / 11.53	8.15 / 8.15
Greenwich	3.44 / 3.44	12.0 / 12.0	8.16 / 8.16
Wick	3.7 / 3.7	12.12 / 12.12	9.17 / 9.18
Valencia	4.22 / 4.22	12.41 / 12.41	9.0 / 9.0

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.
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; l = intermittent; − = "decreasing"; + = "increasing"; h(r) = "hail" or "rain and hail"; bc = cloud 0-5; co = cloud 6-10.

Capital letters indicate intensity, 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.	Metres per second.
0	Less than 1.	Less than 0·3
1	1–3	0·3–1·5
2	4–7	1·6–3·3
3	8–12	3·4–5·4
4	13–18	5·5–7·9
5	19–24	8·0–10·7
6	25–31	10·8–13·8
7	32–38	13·9–17·1
8	39–46	17·2–20·7
9	47–54	20·8–24·4
10	55–63	24·5–28·4
11	64–75	28·5–33·5
12	Above 75	33·6 or above

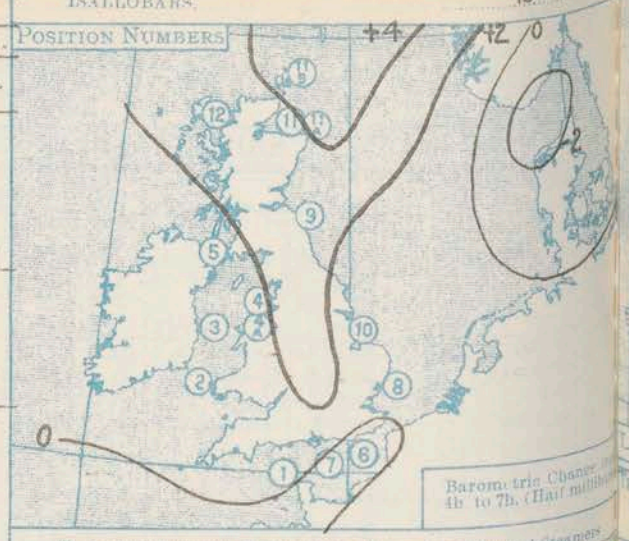
* Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

M.O. Form 2370.

Summaries for the Past 24 Hours.

Stations.	Weather. 7h.–13h. 14th	13h.–18h. 14th	18h.–1h. 14th to 1h 15th	1h.–7h. 15th	Temperature. Max. Day. 7h.–18h.	Min. Night. 18h.–7h.	Min. on Grass.	Rainfall.† Day. 7h.–18h.	Night. 18h.–7h.	Precipitation began.	Sun. Hours.
Lerwick	bf	mir	d	m	52	46	•	1	0.2	–	*
Stornoway	oo	oo	r or d	oo	59	51	•	•	2	–	1.9
Wick	c	b or bc	c	r or d	67	49	•	–	0.3	1.30	•
Castlebay	opff	dffo	o		53	50	•	trace	–	–	0.0
Nairn	q bc	bcq	bccg	cg	70	56	•	–	–	–	11.9
Aberdeen	b or bc	b or bc	c		76	56	56	–	–	–	13.3
Malin Head			ffe	ffeome	54	50	•	–	–	–	0.1
Renfrew	oc. bc	b or bc	oo	b or bc	65	54	50	–	–	–	8.2
Leith	b or bc	b or bc	c		72	54	49	–	–	–	*
Eskdalemuir	b or bc	b or bc	b or bq	b or bc	69	52	48	–	–	–	12.7
Tynemouth	b or bc	b or bc	im	b or bc	74	54	•	–	–	–	*
Blacksod Point	f or m	f or m	form	off	60	49	•	–	trace	–	*
Donaghadee	c v	bcv	cv		61	50	•	–	–	–	•
Birr Castle	c	c	0.6-8f		71	49	42	–	–	–	7.8
Baldonnell	oo	im	b or bc			44	41	–	–	–	3.8
Holyhead	oo	oco	b or bc	b off	65	51	43	–	–	–	2.7
Liverpool (Bidston)		b or bc	c		61	52	46	–	–	–	3.3
Manchester (Alex. Pk.)	im.	im	im	im	64	54	54	–	–	–	*
Howden	c	b or bc	b or bc	b or bc	74	47	40	–	–	–	9.7
Spurn Head	b or bc	b or bc	b or bc	c	66	54	•	–	–	–	*
Nottingham	c	b or bc	b or bc		72	49	42	–	–	–	7.3
Cranwell	c	b or bc	im	b or bc	73	50	47	–	–	–	7.2
Gorleston	b or bc	oo	b or bc	bwm	64	50	48	–	–	–	5.0
Pulham	c	c	c	b or bc	69	48	41	–	–	–	4.1
Felixstowe	oo	c	b or bc	b or bc	64	53	*	–	–	–	3.4
Valencia (Cahirciveen)	b or bc	b or bc	b or bc	b or bc	65	52	44	–	–	–	10.4
Roches Point	c	b or bc	b or bc		70	55	•	–	trace	–	*
Pembroke (St. Ann's H.)	b or bc	b or bc	b or bc	b or bc	64	53	*	–	–	–	8.9
Ross-on-Wye	c	cybcvjby	bw bcv		75	46	40	–	–	–	6.9
Benson	oo	c	b.o.		73	43	37	–	–	–	*
S. Farnborough	c	oo	b or bc		71	45	41	–	–	–	8.2
London (Kew Obsy)	oc. cybcvj	oyoo	bbw, bmq		68	53	42	•	–	•	4.0
Croydon	o	oyq	oq bmw	b or bc	68	48	41	•	–	•	•
Clacton-on-Sea	c	c	bcw		60	52	50	–	–	–	2.1
Shoeburyness	c	c	c		68	52	45	–	–	–	3.6
Grain	oo	c	f or m		68	47	44	–	–	–	4.3
Lympne	oo	c	ocbeb	b or bc	69	50	41	–	–	–	3.5
Scilly (St. Mary's)	b or bc	b or bc	b or bc	b or bc	65	54	•	–	•	–	10.5
Falmouth	oog	bc.b	c 3fe		71	53	48	–	–	–	7.0
Plymouth	oo	b or bc	b or bc	b or bc	68	51	44	–	–	–	7.6
Portland Bill	c	b or bc	b or bc	b or bc	65	52	•	–	–	–	•
Calshot	c	F	c	b or bc	69	53	51	–	–	–	7.8
Dungeness	b or bc	c	b or bc	b or bc	61	49	•	–	–	–	*
Jersey	ocb	b	b	b	66	53	•	–	•	–	9.8

Isallobars. 15th June



Temperature reported from Cross Channel and Coastal Steamers

Position Number	6	7	3	1	6	7
Date	14th	14th	14th	14th	15th	15th
Time G.M.T.	20	0000	0000	1205	0000	0000
Sea ° F	55	54	53	55	56	55
Air ° F	57	56	58	60	60	58

General Inference.

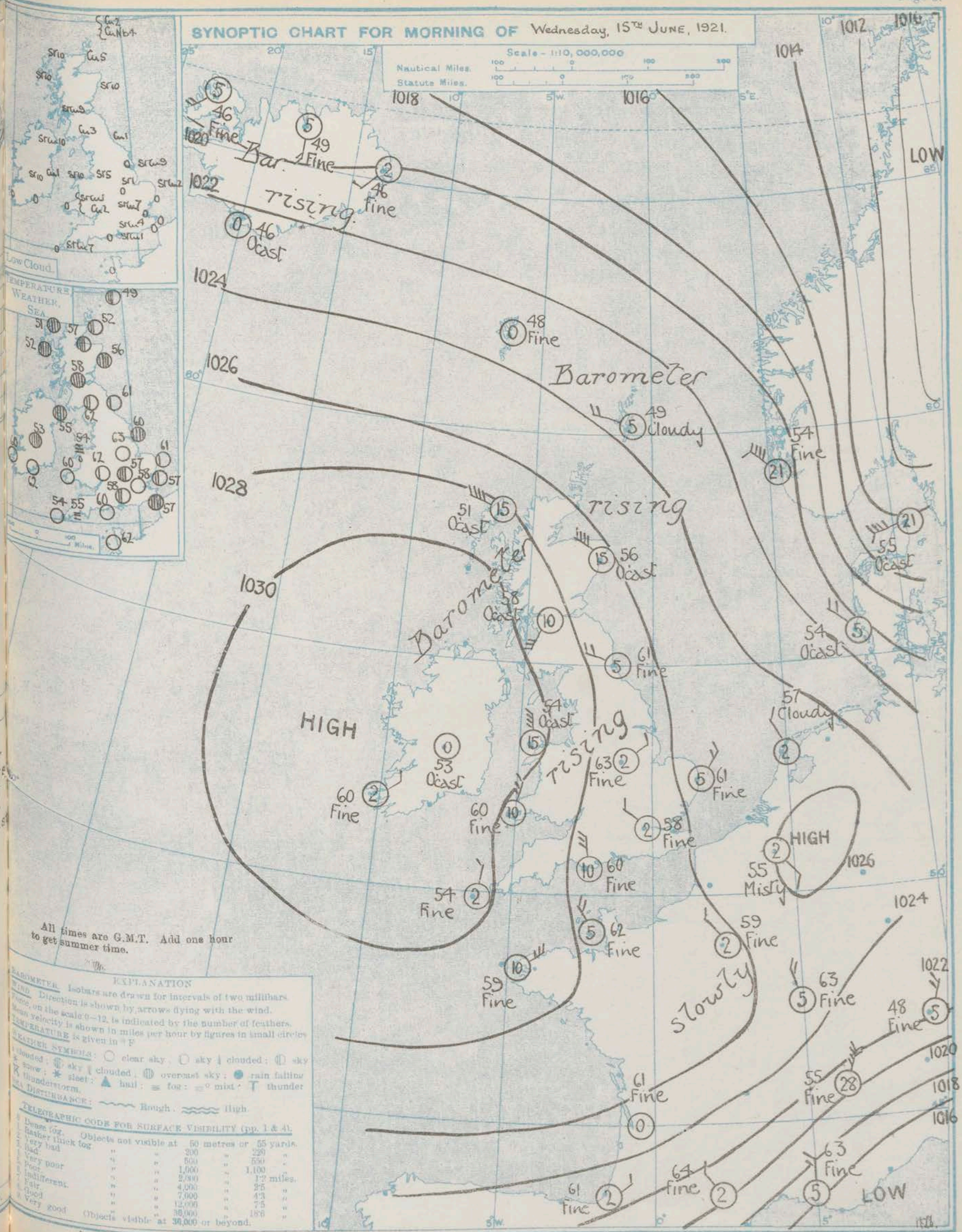
The anticyclone covering the British Isles is likely to maintain fine warm weather for several days. There is however a possibility of the development of cloud later on the East Coast.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday, 15th June, 1921.	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	Light Northerly wind; fine; visibility mainly good; warm.	Fine generally for several days but possibility of cloud development along East Coast.
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind North-West light or moderate; fair or cloudy; visibility fair to good; warmer.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Light variable winds; fair generally; local coast mist, otherwise visibility good; warm.	

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

Mk 3183/369 wt 112 D.621 24150 6/21

SYNOPTIC CHART FOR MORNING OF Wednesday, 15TH JUNE, 1921.



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

EXPLANATION

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

TELEGRAPHIC CODE FOR SURFACE VISIBILITY (pp. 1 & 4).

0	Dense fog.	Objects not visible at	50	metres or	55	yards.
1	Rather thick fog	"	"	200	"	220	"
2	Very bad	"	"	500	"	550	"
3	Bad	"	"	1,000	"	1,100	"
4	Very poor	"	"	2,000	"	1·2	miles.
5	Poor	"	"	4,000	"	2·5	"
6	Indifferent.	"	"	7,000	"	4·3	"
7	Fair	"	"	12,000	"	7·5	"
8	Good	"	"	30,000	"	18·6	"
9	Very good	Objects visible at 30,000 or beyond.					

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Wednesday, 15th June 1921. No. 166

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	1020·7	+6	WNW	4	c/r	47	85	7	4000	Nb	8	·	8	*
Stornoway	1026·7	+2	W	5	3d	*	*	5	*	*	*	*	*	*
Wick	1023·1	+1	NW	3	0	54	97	8	5750	St. Cu	10	·	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1030·5	0	WSW	2	fot	52	97	1	225	St	10	–	10	*
Renfrew	1028·4	0	WSW	1	0	55	92	8	2500	St Cu	10	·	10	*
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1027·3	0	NW	5	b	55	75	8	-	-	-	-	0	*
Tynemouth	1026·0	+1	NW	3	b	58	85	7	-	-	-	-	0	*
Blacksod Point ...	1030·7	0	-	0	fot	51	97	1	450	St	10	–	10	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1030·7	+3	W'N	1	b	52	92	6	-	-	-	-	0	*
Holyhead	1029·2	+1	NE	3	b	*	*	8	800	St Cu	1	·	1	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1025·7	0	W'N	2	fb.	50	97	5	-	-	-	A.St	2	*
Spurn Head	1025·7	0	NW	2	b	55	92	7	-	-	-	A. Cu	1	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1025·9	0	W'N	3	b	53	92	7	-	-	-	-	0	*
Gorleston	1024·7	-1	NW	2	b	54	92	8	-	-	-	-	0	*
Pulham	1025·0	+1	NW	2	bc.	55	97	5	2500	Cu	6	-	6	*
Felixstowe	1025·7	0	NW'W	3	b	56	92	7	-	-	-	-	0	*
Valencia (Cahirciveen)	1030·6	0	W	1	b	58	*	8	*	*	*	*	*	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1029·2	0	-	0	b	54	92	9	-	-	-	-	0	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy)	1026·6	0	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	1026·8	0	WSW	1	b	51	97	6	-	-	-	-	0	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1026·2	0	NNW	2	b	52	97	8	-	-	-	-	0	*
Scilly (St. Mary's) ...	1029·9	0	NNE	1	b	56	97	8	-	-	-	-	0	*
Falmouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plymouth	1028·6	0	N	1	b	56	92	8	-	-	-	-	0	*
Portland Bill	1026·6	0	W'N	3	b	58	85	8	-	-	-	-	0	*
Calshot	1027·2	+1	NW	3	ffb	57	92	7	-	-	-	-	0	*
Dungeness	1026·3	0	SW	1	bc	57	92	7	*	*	*	*	*	*
Jersey (Guernsey Th.)	1028·1	0	WNW	3	b	55	85	9	-	-	-	-	0	*

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	1023·3	+5	WNW	2	bc/r	49	75	7	5750	Cu Nb	6	·	6	1
Stornoway	1028·6	+3	WNW	4	0	51	92	7	450	St	10	·	10	3
Wick	1026·5	+4	NW	3	bc+	52	85	8	5750	Cu	5	·	5	0
Castlebay	1030·5	+2	WNW	3	0	52	97	7	5750	St	10	·	10	2
Nairn	1027·0	·	W	2	cg	57	*	*	*	*	*	*	10	*
Aberdeen	1027·2	+4	NW	4	0	56	85	8	1500	St	10	·	*	0
Malin Head	1030·7	+2	W	2	fot	52	97	1	<150	St	10	–	10	1
Renfrew	1029·3	+2	SW	3	0	58	85	8	1500	St Cu	9	·	9	·
Leith	1028·0	+1	W	2	bc	60	85	8	-	Cu	3	A. St	6	·
Eskdalemuir	1028·6	+2	·	0	b+	62	65	8	4000	Cu	3	·	3	·
Tynemouth	1027·6	+2	WNW	2	b	61	85	8	4000	Cu	1	A. Cu	2	0
Blacksod Point ...	1030·9	0	N	1	ffo	51	97	1	450	St	10	–	10	0
Donaghadee	1030·5	+1	E	1	ov	55	85	8	4000	St Cu	10	·	10	0
Birr Castle	1031·3	*	-	0	ffo	53	97	1	450	St	10	·	10	·
Baldonnell	1031·2	+1	-	0	b	59	85	8	4000	Cu	1	·	1	·
Holyhead	1030·6	+1	N	4	fo.	54	97	3	<150	St	10	·	10	*
Liverpool (Bidston) ...	1029·4	+1	NW	3	0	56	85	4	1500	St	10	·	10	4
Manchester (Alex.Pk.)	1029·2	+2	WSW	2	0	56	85	5	4000	St	5	A.St	*	·
Howden	1027·6	+2	NW	3	b	61	75	8	-	-	-	A.St	2	2
Spurn Head	1027·6	+2	N	4	o-	60	85	7	5750	St Cu	9	·	9	0
Nottingham	1027·6	*	ENE	1	b	63	75	6	-	-	-	·	2	·
Cranwell	1027·5	+2	NNW	3	b	59	75	7	4000	St	1	Ci St	2	0
Gorleston	1025·5	+1	NE	2	bf	61	85	7	7250	St Cu	2	·	2	0
Pulham	1026·3	+1	-	0	b	59	85	7	-	*	-	·	0	1
Felixstowe	1026·6	+1	N'W	3	c+	60	85	7	-	-	-	A. Cu	8	·
Valencia (Cahirciveen)	1030·4	+1	ENE	1	b	60	85	9	-	-	-	·	0	0
Roches Point	1030·8	+1	NW	1	b	62	92	7	-	-	-	·	0	0
Pembroke (St. Ann's H.)	1029·2	+1	NE	3	bv	60	85	9	-	-	-	·	0	1
Ross-on-Wye	1028·1	+1	N	2	bv	62	75	9	4000	Cu	3	·	3	·
Benson	1027·8	+2	N	2	c–	57	85	7	-	St Cu	7	·	7	·
S. Farnborough ...	1027·2	0	NNW	2	bc	58	85	6	1500	St Cu	4	·	4	·
London (Kew Obsy)	1027·5	+2	NW	1	b	58	85	6	-	-	-	·	0	·
Croydon	1027·0	+1	WNW	1	b	58	85	6	-	-	-	·	0	·
Clacton-on-Sea ...	1026·1	+1	NNW	3	bc	57	85	6	-	-	-	A. Cu	5	0
Shoeburyness	1026·7	+1	NNW	2	ffbc	60	75	5	4000	Cu	4	·	4	·
Grain	1026·8	0	WNW	1	c	59	85	7	4000	St Cu	8	·	8	0
Lympne	1026·1	0	NNW	3	b	59	75	6	-	-	-	·	0	·
Scilly (St. Mary's) ...	1030·3	0	NNE	1	b	54	92	8	-	-	-	·	0	·
Falmouth	1028·8	+1	N	1	fc.	55	97	3	-	St Cu	7	·	7	·
Plymouth	1028·6	+2	NW	1	b	57	85	8	-	-	·	·	0	0
Portland Bill	1027·0	+1	N	3	b	60	92	8	-	-	-	·	0	0
Calshot	1027·7	+1	NW'N	3	ffb	57	85	6	1500	St Cu	1	·	1	2
Dungeness	1025·9	0	N	2	fb.	57	85	5	-	-	-	·	0	0
Jersey (Guernsey Th.)	1027·5	0	NNW	2	b	62	75	8	-	-	-	·	·	·

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

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 17h.-9h. 13-14th mm.	Rainfall.† Day 9h.-17h. 14th mm.	Sunshine. Sunrise to 17h. 14th hr.	Sunshine. Sunrise to Sunset. 13th hr.
Banff	b	b	66	50	-	-	11·4	7·3
Montrose	b	b	79	49	-	-	10·5	2·9
Llandudno	c	c	64	53	-	-	2·3	6·3
Colwyn Bay ...	cocbc	ocbcb	63	52	-	-	1·4	3·3
Rhyl	c	cbc	63	48	-	-	0·6	7·5
Southport	oc	cbcco	62	53	-	-	2·5	7·0
Blackpool	co	co	61	53	-	-	1·2	7·0
Harrogate	bc	b	69	46	-	-	9·1	4·3
Skegness	oc	cb	65	45	-	-	4·6	2·6
Aberystwyth ...	roc	coo	61	51	1	-	0·0	5·0
Bath	oo	cbcb	72	46	-	-	4·0	5·4
Leamington Spa ...	oc	b	69	46	-	-	3·5	5·2
Lowestoft	gc	cbc	62	56	-	-	3·1	2·3
Felixstowe	mc	o	62	46	-	-	3·1	1·4
Southend	oc	cbcc	69	47	-	-	4·2	4·7

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day. °F.	Temperature. Min. Night. °F.	Rainfall.† Night 17h.-9h. 13-14th mm.	Rainfall.† Day 9h.-17h. 14th mm.	Sunshine. Sunrise to 17h. 14th hr.	Sunshine. Sunrise to Sunset. 13th hr.
Paignton	ocbc	bcb	72	49	-	-	5·4	11·9
Ilfracombe	ocbc	bc.b	63	51	-	-	5·2	7·4
Bude	bco	bc	64	44	-	-	3·1	5·1
Penzance	cbc	bc.c	68	55	-	-	3·6	5·1
Torquay	cbc	by	70	52	-	-	6·6	12·2
Weymouth	b.bc	bc.b	72	50	-	-	6·3	8·8
Bournemouth ...	b.bcb	b	73	49	-	-	7·5	6·5
Portsmouth (S'thsea)	b	bc	69	52	-	-	7·9	4·4
Worthing	cbc	c	64	51	-	-	8·5	6·2
Brighton	bc	c	62	51	-	-	5·6	5·3
Eastbourne ...	oco	oco	62	50	-	-	3·9	3·4
Hastings	cobc	bc.co	63	49	-	-	4·6	2·4
Folkestone	c	cbc	63	46	-	-	3·8	4·2
Tunbridge Wells ...	co	bc.c	69	46	-	-	2·4	1·8
Ramsgate	bc	b	62	51	-	-	4·1	2·3
Margate	o	cbcb	63	52	-	-	3·4	0·4
Deal	c	bcb	63	50	-	-	4·7	3·2

* 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. 21,756 THURSDAY 16th JUNE 1921.

Observations at 1300 G.M.T. 15th (left) and Observations at 1800 G.M.T. 15th (right)

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	1027.3	+3	W'N	2	b-	54	65	8	7200	Cu	1	-	1	*	1028.5	+2	W'N	2	b-	52	75	8	-	-	0	A.Cu	2	1
Stornoway	1030.7	+3	WSW	3	b-	60	65	8	4000	Cu	2	-	2	*	1030.9	0	-	0	b	60	45	9	-	-	0	-	0	0
Wick	1029.1	+3	NW	2	bc+	54	75	9	-	-	0	A.Cu	5	*	1029.5	+1	NW	2	b-	54	75	8	-	-	0	Ci	2	0
Castlebay	1031.6	+1	WNW	3	o	53	97	5	1500	St	10	-	10	*	1032.1	0	NW	2	bc-	55	92	8	4000	Cu	3	A.St	6	2
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1029.3	*	ENE	1	bc	61	*	*	*	*	*	*	*	*
Aberdeen	1029.4	+3	E'N	3	bc-	58	75	8	2500	Cu	4	-	4	*	1030.7	+2	SE'E	2	b	55	75	8	-	-	0	Ci	1	0
Malin Head	1031.5	+2	W	2	fo+	55	92	2	450	St	10	-	10	*	1031.9	0	NE	1	fb-	54	97	2	-	-	-	-	-	1
Renfrew	1029.3	0	WSW	3	c	66	45	8	2500	St.Cu	7	-	7	*	1029.5	0	WNW	3	b	65	65	9	2500	St.Cu	1	Ci	2	*
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1030.0	+1	SW	3	bc	55	92	8	-	Cu	3	A.St	6	*
Eskdalemuir	1028.6	0	NW	2	c-	68	65	8	4000	Cu	8	-	8	*	1028.3	0	WNW	3	b-	68	65	8	4000	Cu	3	-	3	*
Tynemouth	1028.8	+1	ESE	1	c-	59	92	7	5700	St.Cu	8	-	8	*	1030.3	+1	ENE	1	c+	60	85	6	5750	St.Cu	7	-	7	2
Blacksod Point	1030.7	0	ENE	1	b/f	66	85	8	4000	Cu	3	-	3	*	1030.3	-1	NW	1	b	68	85	8	2500	Cu	2	-	2	1
Donaghadee	1031.1	+1	NNE	2	fb	58	85	8	5700	-	0	A.Cu	3	*	1030.7	-1	NNW	3	b	57	85	8	-	-	0	-	0	1
Birr Castle	1030.2	*	W	1	bc-	73	65	7	-	-	0	A.Cu	5	*	1029.4	*	NW	1	bc-	75	65	8	-	-	0	A.Cu	4	*
Baldonnell	1030.8	-1	NNE	2	b•	70	65	8	5700	Cu	3	-	3	*	1030.3	0	E'N	3	b	69	65	9	4000	Cu	1	-	1	*
Holyhead	1030.9	0	NW	4	b	59	85	9	2500	Cu	1	Ci.St	2	*	1030.4	-1	NW	3	bv	61	85	9	-	-	0	-	0	1
Liverpool (Bidston)	1029.4	0	NW'W	2	b	63	65	8	4000	St.Cu	1	Ci	2	*														
Manchester (Alex.Pk.)	1028.7	-1	NW	2	c+	73	55	6	2500	St.Cu	8	-	8	*	1028.3	0	W	4	b-	70	55	7	4000	Cu	2	-	2	*
Howden	1028.0	+1	NNE	2	o	72	67	8	4000	St.Cu	9	~~Ci~~	9	*	1029.0	0	NE'E	2	bc-	64	65	8	4000	St	2	A.Cu	6	*
Spurn Head	1029.1	+1	N	5	b-	63	75	8	-	-	0	A.Cu	3	*	1029.9	0	N	2	c-	58	85	8	5750	St.Cu	8	-	8	1
Nottingham	1027.9	*	ENE	2	c+	72	55	6	2500	Cu	7	-	7	*	1028.3	*	E	2	b	70	55	6	-	-	0	-	0	*
Cranwell	1027.9	0	NNE	3	o	71	55	8	4000	Cu	10	-	10	*	1028.3	0	NE'E	3	b	69	55	8	-	-	0	A.St	1	*
Gorleston	1027.5	+2	SSE	2	b-	61	92	8	-	-	0	A.Cu	3	*	1027.6	+1	NE	4	o+	60	92	7	7250	St.Cu	9	-	9	0
Pulham	1026.9	+1	E'S	1	o+	69	65	8	2500	St.Cu	9	-	9	*	1027.9	+1	ENE	1	c	65	75	8	7250	St.Cu	7	-	7	*
Felixstowe	1028.1	+1	ENE	3	c+	63	75	8	7250	St.Cu	8	-	8	*	1028.6	+1	NE'E	3	bc+	61	85	8	4000	St.Cu	5	A.Cu	6	0
Valencia (Cahirciveen)	1030.4	0	W	2	b+	69	75	9	4000	Cu	3	-	3	*	1030.3	0	S	4	c+	66	65	9	4000	St.Cu	7	-	7	0
Roches Point	1030.4	0	SSE	2	b-	64	85	9	4000	Cu	1	-	1	*	1030.8	0	SSE	1	b	64	75	8	-	-	0	-	0	0
Pembroke (St.Ann's H.)	1032.9	0	NNE	3	b	67	75	9	-	-	0	-	0	*	1029.0	-1	NE	3	b	65	85	9	-	-	0	-	0	1
Ross-on-Wye	1027.8	0	NNE	2	b-	75	55	8	4000	Cu	2	-	2	*	1027.3	-1	NE	2	b	75	55	8	5750	Cu	1	-	1	*
Benson	1027.2	-1	N	3	bc	76	55	7	-	Cu	5	-	5	*	1026.9	-1	NNE	2	b-	77	45	8	-	Cu	2	-	2	*
S. Farnborough	1026.7	0	NNE	2	c	76	55	8	4000	Cu	8	-	8	*	1026.5	0	NE	2	bc-	76	45	8	4000	Cu	3	Ci	4	*
London (KEW OBS)	1026.9	-1	N	2	bc	74	55	7	5700	Cu	4	-	4	*	1027.0	0	ENE	3	bc	75	45	7	5750	Cu	6	-	6	*
Croydon	1026.7	0	NE	3	bc-	75	55	7	4000	Cu	6	-	6	*	1026.9	+1	ENE	3	c	72	55	8	5750	Cu	8	-	8	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1028.2	+1	E	2	c+	62	85	7	7250	St.Cu	7	-	7	0
Shoeburyness	1027.4	+1	ESE	3	b/f	69	65	7	7200	St.Cu	2	-	2	*	1028.1	+1	ESE	1	b-	64	65	7	7250	Cu	1	-	1	*
Grain	1027.8	+1	ENE	3	b-	69	55	7	7200	St.Cu	3	-	3	*	1028.1	+1	NE	4	bc	62	75	8	-	-	0	A.Cu	4	3
Lympne	1027.1	+1	NE'N	2	b-	70	65	9	4000	Cu	1	A.Cu	2	*	1027.6	+1	E	3	c+	63	65	9	5750	St.Cu	7	-	7	*
Scilly (St. Mary's)	1028.4	0	-	0	bc+	63	85	7	7200	St.Cu	5	-	5	*	1028.8	0	N'E	2	b	62	92	7	-	-	0	-	0	1
Falmouth	1018.7	0	SSE	2	b	68	65	8	-	St.Cu	1	-	1	*	1027.4	-1	NNW	3	b	61	55	8	-	-	0	-	0	*
Plymouth	1028.0	-1	SW	3	b	65	75	8	4000	Cu	1	-	1	*	1027.4	-1	SSE	2	b-	66	75	8	4000	Cu	1	-	1	*
Portland Bill	1027.5	+2	NW'N	2	b	66	92	8	-	-	0	-	0	*	1027.5	0	SW'W	3	b	63	92	8	-	-	0	-	0	?
Calshot	1026.9	-1	N	3	bc+	78	45	8	4000	Cu	4	-	4	*	1026.9	0	SSW	3	b-	68	65	7	4000	St.Cu	1	-	1	0
Dungeness	1027.1	+1	ESE	1	b	67	65	8	7250	Cu	1	Ci.Cu	2	*	1027.1	0	ENE	3	c+	61	85	9	-	-	0	A.Cu	8	2
Jersey	1027.4	0	N	3	b	68	65	8	-	-	0	-	0	*	1026.6	0	N	3	b	66	65	8	-	-	0	-	0	3

London Observations.	Weather Morning	Weather Afternoon	Weather Night	Temperature Max. °F.	Temperature Min. °F.	Min. on Grass °F.	Rainfall	Rainfall	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. %
	24 Hours ended 0900 G.M.T. 16th								Yesterday.		To-day.
Kew } 24 hours ended 0700	bbzbczy	bczy	b.bom	*	*	47	-	-	11.7	*	*
Croydon } 24 hours ended 0700	bcbcy	bcczy	bomwbom	*	*	44	-	-	*	*	*
Greenwich (Royal Obsy.)	bbc	c.b.o	o	80	51	38	-	-	12.3	50	66
City (Bunhill Row)	*	*	*	*	*	*	-	*	11.7	*	*
Westminster (St. James' Pk.)	*	*	*	79	57	51	-	-	12.3	42	65
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*	-	*	11.0	*	*
Camden Sq. (Brit. Rainfall)	bc	bc	*	81	56	52	-	-	*	47	67
Kensington Palace	b	b	*	80	55	50	-	-	*	51 (8h)	66
Hampstead Observatory	*	*	*	76	55	*	-	-	12.0	*	71

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

24 Hrs. ended 1600 G.M.T. 15th

South Kensington	Max.	Time.	Min.	Time.
	0.6	2200 14th	0.2	0200 15th
	0.8	0800 15th		
Kew Observatory	<½	1600 14th 16 1600 15	<½	1600 14th 16 1600 15th

Solar Radiation. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total 2018 joules

Average Rate 339 Milliwatts.

Maximum Rate 87 Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from 15th 21 h 30 m to 16th 2 h 30 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	5.0	4.39	0
δ Ursae Minoris	5.0	4.10	8

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

17th and 18th JUNE 1921.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.31 3.31	11.54 11.54	8.16 8.16
Greenwich	3.44 3.44	12.1 12.1	8.17 8.18
Wick	3.7 3.7	12.13 12.13	9.18 9.19
Valencia	4.22 4.22	12.42 12.42	9.1 9.1

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.
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"; bc = cloud 0-5; co = cloud 6-10.

Capital letters indicate intensity, 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.	Metres per second.
0	Less than 1.	Less t.
1	1-3	0.3-1.5
2	4-7	1.6-3.3
3	8-12	3.4-5.4
4	13-18	5.5-7.9
5	19-24	8.0-10.7
6	25-31	10.8-13.8
7	32-38	13.9-17.1
8	39-46	17.2-20.7
9	47-54	20.8-24.4
10	55-63	24.5-28.4
11	64-75	28.5-33.5
12	Above 75	33.6 or above

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

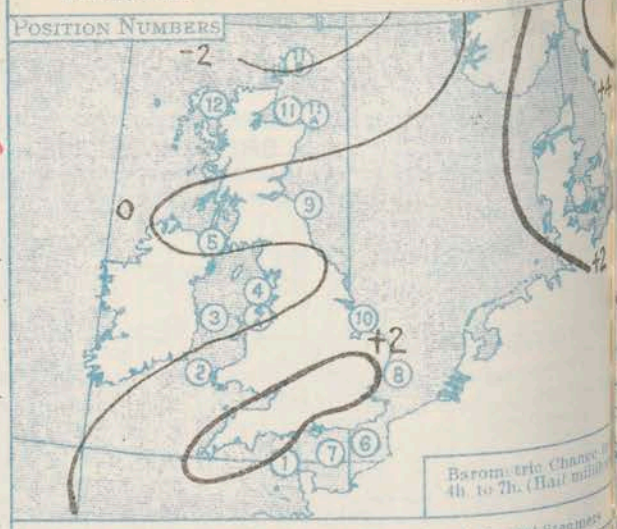
M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 15th	13h.-18h. 15th	18h.-1h. 15th to 1h. 16th	1h.-7h. 16th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h.	Night. 18h.-7h.	Precipitation began.	SUN. Hours.
Lerwick	b or bc	b or bc	00	00	55	46	*	-	-	-	*
Stornoway	c	b or bc	c	c	61	53	*	-	-	-	10.3
Wick	b or bc	b or bc	b or bc	b or bc	56	42	*	-	-	-	*
Castlebay	o	oc	co.6.8fc	c.6.8fc	55	49	*	-	-	-	1.0
Nairn	bcb	bcv	bcx		67	43	*	-	-	*	9.8
Aberdeen	b or bc	b or bc	b or bc		65	45	38	-	-	-	7.4
Malin Head		form	b or bc	b or bc	57	50	*	-			6.0
Renfrew	obcc	b or bc	c	oim	68	53	44	-	-	-	11.6
Leith	*	b or bc	oo		68	51	52	-	-	-	*
Eskdalemuir	oo	c	b or bc	oo	71	52	46	-	-	-	13.8
Tynemouth	mm	im	oo	oo	67	53	*	-	-	-	*
Blackrod Point ...	b or bc	b or bc					*	-			*
Donaghadee	bc	bc	o 6.8fi		60	50	*	-	-	-	*
Birr Castle	bc	bc	b		77	52	43	-	-	-	11.7
Baldonnell	b or bc	b or bc	b or bc	b or bc	73	50	43	-	-	-	14.8
Holyhead	fobcb	b or bc	b or bc	b off	62	50	50	-	-	-	12.4
Liverpool (Bidston)...	b or bc						*				
Manchester (Alex.Pk.)	mzf	czf	b or bcm		75	49	43	-	-	-	*
Howden	c	c	oo	oo	73	53	49	-	-	-	8.8
Spurn Head	c	b or bc	oo	oo	64	52	*	-	-	-	*
Nottingham	c	b or bc	c		75	55	53	-	-	-	11.4
Cranwell	c	b or bc	c	oo	74	55	54	-	-	-	12.6
Gorleston	b or bc	b bc co	o1.b bc	b or bc	65	51	49	-	-	-	9.3
Pulham	c	c	b or bc	c	74	47	40	-	-	-	7.4
Felixstowe	b or bc	b or bc	c	c	67	50	*	-	-	-	10.1
Valencia (Cahirciveen)	b or bc	b or bc	b or bc	b or bc	70	50	45	-	-	-	14.4
Roches Point	b or bc	b or bc	b or bc		67	55	*	-	-	-	*
Pembroke (St.Ann's H.)	b or bc	b or bc	b or bc	b or bc	69	53	*	-	-	-	15.6
Ross-on-Wye	bcbcy	bybcyby	coc	ocb	77	56	50	-	-	-	14.2
Benson...	b or bc	b or bc	b	o	79	57	48	-	-	-	*
S. Farnborough ...	c	c	c		79	56	51	-	-	-	11.0
London (KEW OBS.)	bbzbcy	bczy	bb.	bom	78	57	47	-	-	-	11.7
Croydon	bcbcy	bczy	cbmw	bomw	77	51	44	-	-	-	*
Clacton-on-Sea ...	*	bcc	c	cbc	67	53	50	-	-	-	10.6
Shoeburyness	form	b or bc	b		69	50	41	-	-	-	12.4
Grain	c	form	c		70	51	47	-	-	-	13.7
Lympne	bbcb	bbc	cbcc	ocbcbbc	70	52	40	-	-	-	12.7
Scilly (St. Mary's) ...	b or bc	b or bc	b or bc	b or bc	68	56	*	-	-	-	12.8
Falmouth	cbcbb	bb	bb	bc	75	58	49	-	-	-	13.3
Plymouth	b or bc	b or bc	b or bc	b or bc	67	57	48	-		-	15.0
Portland Bill	b or bc	b or bc	b or bc	b or bc	68	56	*	-	-	-	*
Calshot	b or bc	b or bc	form	form	80	57	48	-	-	-	13.1
Dungeness	b or bc	b or bc	b or bc	c	70	57	*	-	-	-	*
Jersey	b	b	b or bc	b	71	58	*	-	-	-	14.3

ISALLOBARS. 16th June

POSITION NUMBERS



Temperature reported from Cross Channel and Coastal Steamers

Position Number	3	7	6									
Date	15	16	16									
Time G.M.T	0809	0232	0205									
Sea ° F	54	55	53									
Air ° F	58	59	58									

GENERAL INFERENCE.

The anticyclone covering the Kingdom will maintain generally fine warm weather. A gradual development of thundery conditions may, however, be looked for in the South

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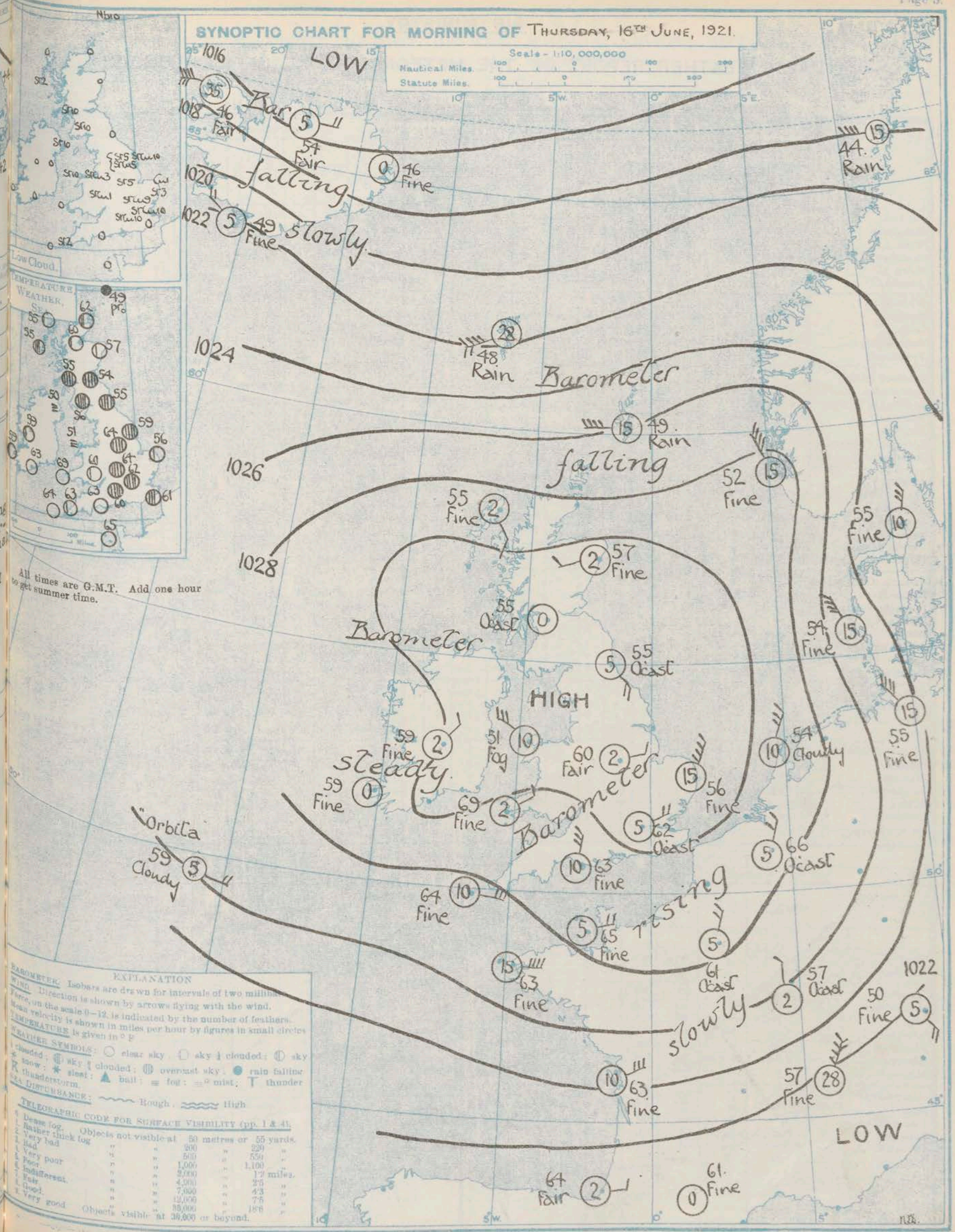
Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Thursday, 16th June, 1921.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Wind N.E. or E., light to moderate; mainly fine, but risk of thundery conditions developing; visibility mainly good; warm.	Risk of thunder in the South; otherwise fine and warm generally.
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 variable winds; fine, visibility mainly good, but local coast mist; warm.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind Westerly, light or moderate; fair to cloudy, perhaps local showers, visibility fair, but local coast mist; rather warm.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As for 7 - 13.	

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

Pc 3183/369 Wt 112 D 521 24750 6/21



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

EXPLANATION

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

TELEGRAPHIC CODE FOR SURFACE VISIBILITY (pp. 1 & 4).

0	Dense fog. Objects not visible at	50	metres or	55	yards.
1	Rather thick fog " "	200	"	220	"
2	Very bad " "	500	"	550	"
3	Bad " "	1,000	"	1,100	"
4	Very poor " "	2,000	"	1·2	miles.
5	Poor " "	4,000	"	2·5	"
6	Indifferent " "	7,000	"	4·3	"
7	Fair " "	12,000	"	7·5	"
8	Good " "	30,000	"	18·6	"
9	Very good " "				
	Objects visible at 30,000 or beyond.				

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION...THURSDAY...16th...JUNE.....1921. No..167..

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	1027.0	+2	WSW	2	bcf	47	85	7	7250	Nb	6	-	6	*
Stornoway	1032.0	+2	N	1	co-	*	*	6	*	*	*	*	*	*
Wick	1030.1	-1	SSW	1	b	45	97	8	-	-	-	A.Cu	3	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1031.6	0	-	0	b+	52	92	8	-	-	-	Cu.St	2	*
Renfrew	1031.5	0	-	0	0	53	95	8	2500	St.Cu	6	A St	10	*
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1031.0	0	NNE	1	0	53	92	6	1500	St.Cu	10	-	10	*
Tynemouth	1031.4	+1	-	0	0	54	97	8	-	-	-	A St	10	*
Blacksod Point ...														*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1031.5	+1	ESE	3	b	54	85	8	-	-	-	-	0	*
Holyhead	1030.4	0	NNE	4	b	*	*	6	-	-	-	-	0	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1030.8	+1	-	0	0	54	92	6	4000	St.Cu	10	-	10	*
Spurn Head	1031.8	+2	NE	1	0	55	75	8	7250	St.Cu	10	-	10	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1030.8	+1	NE'E	1	0	56	92	8	4000	St.Cu	10	-	10	*
Gorleston	1029.3	+1	NE	1	bc	56	97	8	7250	St.Cu	5	-	5	*
Pulham	1029.2	0	-	0	bc+	55	92	6	2500	St.Cu	6	-	6	*
Felixstowe	1030.5	0	N	2	0	54	92	8	1500	St	9	-	9	*
Valencia (Cahirciveen)	1030.7	+2	-	0	bc	57	*	8	*	*	*	*	*	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1029.2	0	ENE	2	bv	58	85	9	-	-	-	-	0	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (KEW OBS) ..	1029.7	+1	*	*	*	58	*	*	*	*	*	*	*	*
Croydon	1029.8	0	SSE	1	b	52	97	7	4000	St.Cu	1	-	1	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1029.4	+1	NE	2	0	54	92	8	4000	St.Cu	10	-	10	*
Scilly (St. Mary's) ...	1018.4	0	-	0	b	57	97	8	-	-	-	-	0	*
Falmouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plymouth	1028.3	0	ENE	1	b	57	92	8	-	-	-	-	0	*
Portland Bill	1028.2	+1	NE	3	b	57	92	8	-	-	-	-	0	*
Calshot	1029.5	+1	NE'N	2	ffb	60	85	7	4000	St.Cu	3	-	3	*
Dungeness	1028.9	+3	NE	2	c+	58	85	9	4000	St.Cu	7	-	7	*
Jersey (Guernsey 1h.)	1028.6	+2	NNE	2	b	59	85	8	-	-	-	-	0	*

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

Stations.	Barom. at M.S.L. m.b.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	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	1026.2	-3	N	4	obf,	49	97	7	5750	Nb	10	-	10	3
Stornoway	1029.9	-1	SE	1	b	55	92	8	-	-	-	A.Cu	3	0
Wick	?	-1	SSW	1	bc+	52	92	8	-	-	-	A.Cu	4	0
Castlebay	1031.0	0	ENE	1	bc/f	55	92	7	7250	St.	2	A.St.	6	1
Nairn	1029.0	*	-	0	b	60	*	*	*	*	*	Ci	1	0
Aberdeen	1030.3	0	W'S	1	b	57	83	8	-	-	-			
Malin Head	1030.7	0	ESE	1	fb-	55	92	2	-	-	-	Ci	1	1
Renfrew	1031.2	+1	-	0	0	55	85	5	1500	St	10	-	10	*
Leith	1031.1	+2	NNE	2	0	54	85	8	-	St.Cu	4	A.St	10	*
Eskdalemuir	1030.4	0	-	0	0	56	85	8	4000	St	10	-	10	*
Tynemouth	1031.1	0	SE	2	0	55	55	8	-	-	-	A.St.	10	2
Blacksod Point ...														
Donaghadee	1030.5	0	NNW	1	ff0	50	97	7	2500	St	10	-	10	0
Birr Castle	1029.9	*	ENE	1	b	59	92	8	-	-	-	Cu	2	*
Baldonnell	1030.8	0	E'N	2	b	59	85	8	-	-	-	-	0	*
Holyhead	1031.5	0	NW	3	ff0	51	97	3	<150	St	10		10	1
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	1030.5	+1	WSW	1	bc+	60	85	5	5750	St.Cu	3	A.Cu	5	*
Howden	1030.8	+1	-	0	0	57	85	7	4000	St.	10	-	10	*
Spurn Head	1031.8	0	NE	3	0	59	75	9	7250	St.Cu	10	-	10	0
Nottingham	1030.8	*	E	1	bc-	60	75	6	4000	St.Cu	1	A.Cu	4	*
Cranwell	1031.0	0	E'S	1	0	57	85	8	4000	St	5	A.Cu	10	*
Gorleston	1031.1	+2	NNE	4	b	56	85	8	4000	Cu	1	-	1	*
Pulham	1030.5	+1	NNE	2	0+	58	75	8	4000	St.Cu	10	-	10	*
Felixstowe	1030.8	0	NNE	3	b	62	85	8	1500	St.	3	-	3	1
Valencia (Cahirciveen)	1029.5	0	-	0	b	59	85	8	-	-	-	A.St.	1	0
Roches Point	1030.4	0	ENE	3	b	63	75	8	-	-	-	-	0	0
Pembroke (St. Ann's H.)	1029.7	0	ENE	1	b	69	85	9	-	-	-	-	0	*
Ross-on-Wye	1029.8	+1	NNW	1	b	60	85	8	5750	St.Cu	1	-	1	*
Benson...	1030.1	+2	-	0	0	64	75	7	-	St.Cu	9	-	9	*
S. Farnborough ...	1030.3	+1	ENE	2	0	61	75	8	4000	St.Cu	10	-	10	*
London (KEW OBS) ..	1030.6	+2	ENE	2	0	62	65	5	4000	St.Cu	10	-	10	*
Croydon	1030.5	+1	NE	2	0	59	85	6	5750	St.Cu	9	A.St.	10	*
Clacton-on-Sea ...	1030.5	+2	NE	3	bc	57	85	7	4000	Cu	4	-	4	0
Shoeburyness	1030.7	+3	ENE	2	bc-	57	85	7	2500	St.Cu	6	-	6	*
Grain	1030.7	+2	NNW	4	0	57	85	8	2500	St.Cu	10	-	10	3
Lympne	1029.7	+1	NNE	4	bc-	59	85	8	1500	St	6	-	6	*
Scilly (St. Mary's) ...	1027.8	0	E'S	3	b	64	85	8	-	-	-	-	0	2
Falmouth	1029.0	+2	ENE	3	b	63	75	7	-	St	2	-	2	*
Plymouth	1029.0	+2	E	2	bc+	64	85	8	5750	St	6	-	6	0
Portland Bill	1029.1	+2	NNE	3	b	63	92	8	-	-	-	-	0	2
Calshot	1030.1	+1	-	0	ff0	62	85	6	5750	St.Cu	8	A.C.	10	0
Dungeness	1030.0	+1	ENE	3	bc-	61	85	8	4000	Cu	4	Ci.St	6	3
Jersey (Guernsey 1h.)	1028.5	0	E	2	b	65	75	8	-	-	-	-	0	3

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

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 17h.-9h. 14th-15th mm.	Rainfall.† Day 9h.-17h. 15th mm.	Sunshine. Sunrise to 17h. 15th hr.	Sunshine. Sunrise to Sunset. 14th hr.
Banff	c bc	b	57	52	-	-	6.0	14.1
Montrose	0	0	57	52	-	-	0.3	13.5
Llandudno	b	b	65	52	-	-	10.6	3.7
Colwyn Bay ...	b	b	67	52	-	-	9.8	4.3
Rhyl...	b	bw	65	53	-	-	12.4	2.8
Southport	bc	bc	65	52	-	-	12.0	3.6
Blackpool	bc	b	65	53	-	-	12.6	2.3
Harrogate	b bc c	bc bbcc	74	50	-	-	10.9	12.1
Skegness	b	b	64	51	-	-	11.3	6.8
Aberystwyth ...	cb	b	67	51	-	-	11.0	0.0
Bath	b	b	78	49	-	-	10.0	4.5
Leamington Spa ...	c	bc	76	53	-	-	8.0	6.5
Lowestoft	bc bc	bbcco	63	52	-	-	8.5	4.8
Felixstowe	bm	bc	65	52	-	-	9.1	4.1
Southend	bc	b	71	51	-	-	10.6	5.0
Paignton	b	b	79	52	-	-	12.3	7.6
Ilfracombe	b	b	68	52	-	-	12.2	7.5
Bude	b	b	67	45	-	-	12.0	5.4
Penzance	b	b	75	56	-	-	11.0	5.0
Torquay	by	by	76	55	-	-	12.6	8.5
Weymouth	b	b	82	56	-	-	12.0	8.8
Bournemouth ...	b	b	79	53	-	-	12.0	9.3
Portsmouth (S'thsea)	*	*	78	55	-	-	12.2	9.2
Worthing	b	b	74	51	-	-	11.8	8.9
Brighton	b bc	bc b	72	50	-	-	10.2	5.6
Eastbourne	b	b	69	51	-	-	10.9	3.9
Hastings	cbc	cbcb	73	53	-	-	9.0	4.6
Folkestone	bc	bcb	72	51	-	-	11.3	4.7
Tunbridge Wells ...	b bc	b.bcb	69	47	-	-	10.2	2.4
Ramsgate	b	b	66	51	-	-	11.5	4.8
Margate	b	b	65	54	-	-	10.8	3.8
Deal	b	b	70	52	-	-	12.2	5.6

* 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. 21757 FRIDAY 17th JUNE 1921.

Observations at 1300 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	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1024·2	-4	W	5	fot	50	97	4	2500	Nb	10	-	10	*
Stornoway	1029·5	-1	WSW	5	bc-	65	65	8	4000	Cu	4	-	4	*
Wick	1027·5	-1	SSE	1	c	57	85	9	4000	StCu	6	aCu	8	*
Castlebay	1030·6	0	ESE	2	c	59	85	7	-	-	-	aSt	8	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1028·4	-1	S'E	3	b⊕	67	65	8	4000	Cu	1	Ci	2	*
Malin Head	1030·0	0	ESE	1	bcv	60	85	9	-	-	-	Ci	4	*
Renfrew	1029·5	-2	NNE	1	c	69	65	5	1500	StCu	4	CiSt	8	*
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1028·8	0	SE	1	b+	68	65	8	4000	Cu	2	-	2	*
Tynemouth	1030·6	-1	SSE	3	b	62	85	8	-	-	-	aCu	1	*
Blacksod Point														
Donaghadee	1029·8	-1	E	1	ffbc	58	85	8	-	-	-	CiCu	4	*
Birr Castle	1029·1	*	ENE	1	c+	77	75	7	2500	Cu	7	-	7	*
Baldonnell	1029·9	-4	E'S	1	b+	72	65	7	5750	Cu	2	aSt	3	*
Holyhead	1030·4	-1	NW	3	o	57	85	6	225	St	10	-	10	*
Liverpool (Bidston)														*
Manchester (Alex.Pk.)	1029·0	-2	WSW	1	c+	74	55	7	2500	StCu	7	-	7	*
Howden	1030·3	-1	E'S	2	o+	67	65	7	2500	St	3	aSt	10	*
Spurn Head	1032·1	0	E	3	o	60	75	9	4000	StCu	9	-	9	*
Nottingham	1029·6	*	SE	1	bc	74	55	6	4000	Cu	3	aCu	5	*
Cranwell	1030·0	-1	ESE	3	c	71	55	8	4000	Cu	3	aSt	8	*
Gorleston	1031·0	0	E	3	b	60	85	8	-	-	-	CiCu	1	*
Pulham	1030·2	0	NE	1	c	67	55	9	4000	Cu	4	aCu	8	*
Felixstowe	1031·5	+1	NE'E	3	b-	58	75	8	-	-	-	aSt	1	*
Valencia (Cahirciveen)	1029·0	0	W	2	b+	66	85	9	4000	Cu	1	CiSt	2	*
Roches Point	1030·2	0	ESE	3	b	65	75	?8	-	-	-	-	-	*
Pembroke (St. Ann's H.)	1030·2	0	-	0	b	65	85	8	-	-	-	-	-	*
Ross-on-Wye	1028·5	-2	SE	1	bc+	80	45	7	4000	Cu	6	-	6	*
Benson	1029·5	-2	ENE	1	o	73	55	7	-	StCu	9	-	9	*
S. Farnborough	1029·6	-1	ENE	3	o	74	55	7	4000	Cu	9	-	9	*
London (Kew Obsy)	1029·9	-2	E	2	bc	73	55	7	5750	Cu	6	-	6	*
Croydon	1029·9	-1	E	3	c	71	55	8	4000	Cu	7	-	7	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1031·3	0	E	4	b	61	65	7	-	-	-	-	*	*
Grain	1031·2	0	ENE	3	b-	60	65	8	-	-	-	Ci	1	*
Lympne	1030·3	-1	NE	4	bv	65	65	9	-	-	-	-	-	*
Scilly (St. Mary's)	1028·8	0	ESE	3	b	68	85	8	-	-	-	-	-	*
Falmouth	1029·7	0	ESE	4	b	67	75	7	-	-	-	-	-	*
Plymouth	1029·2	0	SE	2	b	76	45	9	-	Cu	1	-	-	*
Portland Bill	1029·5	+1	NNE	3	b	64	85	8	-	-	-	-	-	*
Calshot	?1029·9	+1	?E	3	b-	69	?65	8	5750	StCu	1	-	1	*
Dungeness	1030·2	0	E	4	b-	62	65	9	-	-	-	-	-	*
Jersey	1028·3	0	ENE	3	b	73	55	8	-	-	-	-	-	*

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	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1020·3	-3	W	8	oR	51	97	4	2500	Nb	10	-	10	6
Stornoway	1027·8	-1	SW'W	5	b-	63	75	8	4000	Cu	2	-	2	4
Wick	1025·9	-2	S	1	bc+	58	85	9	5750	Cu	3	Ci	5	0
Castlebay	1025·6	-2	S	2	c	56	85	7	-	StCu	4	aSt	7	1
Nairn	1026·4	*	-	0	bc	70	*	*	*	*	*	*	*	*
Aberdeen	1027·2	-1	S	2	o+	59	85	8	4000	Cu	9	-	9	0
Malin Head	1028·7	-2	E	1	c+	63	85	9	-	-	-	aCu	8	1
Renfrew	1027·9	-1	WSW	3	bc+	71	55	8	-	-	-	Ci	5	*
Leith	1026·7	*	-	0	b-	65	75	6	-	-	-	Ci	1	*
Eskdalemuir	1027·4	-2	SSW	2	bc	70	65	7	4000	Cu	1	Ci	5	*
Tynemouth	1028·7	-2	S	2	c-	59	85	8	-	-	-	aSt	7	4
Blacksod Point	1029·9	-1	NW	1	c+	65	97	9	4000	Cu	3	CiCu	7	1
Donaghadee	1028·5	-1	E	1	b	62	75	8	-	-	-	Ci	2	0
Birr Castle	1027·8	*	ENE	1	c+	76	55	8	2500	Cu	5	CiCu	8	*
Baldonnell	1029·1	-1	ENE	1	c	70	65	9	4000	StCu	6	CiSt	7	*
Holyhead	1029·5	-1	NW	1	fot	53	97	2	<150	St	10	-	10	0
Liverpool (Bidston)	1028·8	0	WNW	2	fot	56	92	3	225	St	10	-	10	1
Manchester (Alex.Pk.)	1028·0	0	WSW	3	c+	72	45	7	4000	Cu	1	Ci	7	*
Howden	1028·9	-1	WNW	3	b	63	65	7	-	-	-	CiSt	2	*
Spurn Head	1030·9	-1	E	4	b-	59	75	8	-	-	-	CiSt	3	0
Nottingham	1028·4	*	SE	2	b-	74	65	6	-	-	-	Ci	2	*
Cranwell	1027·9	-1	E	3	bc	66	55	8	-	-	-	Ci	5	*
Gorleston	1029·7	-1	E	2	b	57	92	8	-	-	-	Ci	1	1
Pulham	1029·8	0	NE	2	b	64	65	7	-	-	-	CiSt	3	*
Felixstowe	1030·7	-1	ENE	3	b	57	75	9	-	-	-	Ci	1	1
Valencia (Cahirciveen)	1029·0	0	W	2	b+	64	75	8	-	-	-	CiCu	3	0
Roches Point	1029·9	0	SE	2	b	61	92	8	-	-	-	-	-	3
Pembroke (St. Ann's H.)	1029·3	-1	-	0	b	68	75	8	-	-	-	-	-	0
Ross-on-Wye	1027·2	-1	SW	2	b-	78	45	7	4000	Cu	1	-	1	*
Benson	1028·0	-2	NE	1	b-	77	45	8	-	-	-	-	-	*
S. Farnborough	1028·2	-1	SE	3	b-	74	55	7	5750	Cu	3	-	3	*
London (Kew Obsy)	1028·6	-1	ENE	3	b-	72	45	7	5750	Cu	1	-	1	*
Croydon	1028·7	-1	E	3	b	69	55	8	-	-	-	-	-	*
Clacton-on-Sea	1030·4	-1	E	3	b	58	75	7	-	-	-	-	-	0
Shoeburyness	1030·3	-2	E	1	b	59	75	7	-	-	-	-	-	*
Grain	1029·9	-2	ENE	3	b-	58	75	8	-	-	-	-	-	0
Lympne	1029·5	-1	NE	4	b	59	55	9	-	-	-	-	-	*
Scilly (St. Mary's)	1028·4	0	E'S	3	b	65	75	8	-	-	-	-	-	2
Falmouth	1028·9	+2	SE	2	b	68	65	7	-	-	-	-	-	*
Plymouth	1029·1	0	S	3	b	69	65	9	4000	StCu	1	-	1	*
Portland Bill	1029·1	-1	-	0	b	62	85	7	-	-	-	-	-	0
Calshot	1029·0	-1	E	4	b	62	85	8	-	-	-	-	-	0
Dungeness	1029·1	-1	NE	4	b	57	85	9	-	-	-	-	-	4
Jersey	1027·6	0	ENE	3	b	68	55	8	-	-	-	-	-	3

LONDON OBSERVATIONS. (Weather, Temperature, Rainfall: 24 Hours ended 0900 G.M.T. 17th; Sunshine and Humidity 15h.: Yesterday; Humidity 9h.: To-day)

Station	Weather Morning	Weather Afternoon	Weather Night	Max. °F.	Min. °F.	Min. on Grass °F.	Rainfall Day mm	Rainfall Night mm	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. %
Kew (24 hours ended 0700)	mozbzy	bczybzy	b.bcz	*	*	41	-	-	7·4	*	*
Croydon (24 hours ended 0700)	omz.c	c.bc.bz	bmbcm.	*	*	43	-	-	*	*	*
Greenwich (Royal Obsy.)	b. c.	c.bc.b	b	74	47	36	-	-	8·3	50	37
City (Bunhill Row)	*	*	*	*	*	*			7·8	*	*
Westminster (St. James' Pk.)	*	*	*	74	53	46	-	-	7·5	47	35
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*			8·3	*	*
Camden Sq. (Brit. Rainfall)	o.bc	bc	*	78	53	49	-	-	*	45	37
Kensington Palace	bc.b	b	*	76	50	45	-	-	*	54 (18h)	33
Hampstead Observatory	*	*	*	74	51	41	-	-	8·2	*	36

ATMOSPHERIC POLLUTION. Lbs. of Solid impurity per million cubic yards. 24 Hrs. ended 1800 G.M.T. 16th

South Kensington Max.	Time.	Min.	Time.
0·6	1900 16th	0·2	0100 16th
1·2	0600 6th		

Kew Observatory Max.	Time.	Min.	Time.
½	2200 15th	<½	0300 16th
½	0300 6th		

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

South Kensington. Total 1602 joules

Average Rate 26·9 Milliwatts

Maximum Rate 94 Milliwatts

POLE STAR RECORD at Greenwich Obsy.

Exposure from 16 21 h. 30 m. to 17th 2 h. 30 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	5.0	4.18	86
δ Ursae Minoris	5.0	3.13	64

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

17th & 18th JUNE 1921.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.31 3.31	11.54 11.54	8.16 8.16
Greenwich	3.44 3.44	12.1 12.1	8.17 8.18
Wick	3.7 3.7	12.13 12.13	9.18 9.19
Valencia	4.22 4.22	12.42 12.42	9.1 9.1

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.
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"; bc = cloud 0-5; co = cloud 6-10.

Capital letters indicate intensity, and repetition of letters continuity, thus:—
R = heavy rain.
rr = continuous moderate rain.
$r_o r_o$ = continuous light rain.

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

SEA DISTURBANCE.

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

Beaufort No.	Statute miles per hour.	Metres per second.
0	Less than 1.	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

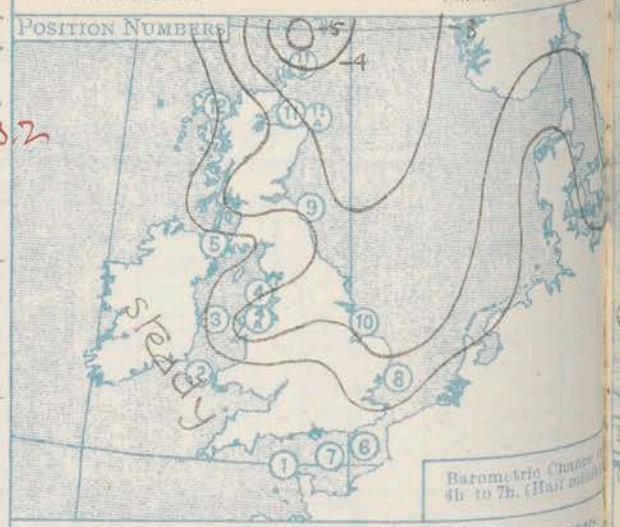
* Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 16	13h.-18h. 16	18h. to 1h. 17	1h.-7h. 17	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h.	Night. 18h.-7h.	Precipitation began.	SUN. Hours.
Lerwick	3f	iR	oo	2m.	52	47	•	0.6	trace	–	13.2
Stornoway	bor bc	bor bc	c	oo	66	53	•	–	trace	–	
Wick	c	bor bc	bor bc	8f8fr	67	48	•	–	1	5.30	
Castlebay	c.oz	oz.c	c.o	o100	59	52	•	–	0.2	–	9.4
Nairn	b	b.bc	c q/c.	v.bc	75	55	•	–	–	–	13.0
Aberdeen	bor bc	c	c		68	53	46	–	–	–	10.5
Malin Head	form	bor bc	c	c2f	63	53	•	–	–	–	9.9
Renfrew	o1m12bc	o/bor bc	bc.c.o	o.c.c.o	73	53	47	–	–	–	10.1
Leith	bor bc	bor bc	c		74	57	•	–	–	–	
Eskdalemuir	bor bc	c	c	86 8fr 2me	72	48	43	–	–	–	10.0
Tynemouth	bor bc	c	bor bc m	cm	62	54	•	–	–	–	•
Blacksod Point ...		bor bc					•	–			•
Donaghadee	bc m	bc m	bcm	cm	62	50	•	–	–	–	•
Birr Castle	o	c	c		79	56	51	–	–	–	11.0
Baldonnell	bor bc	bor bc	bor bc	bor bc	74	52	45	–	–	–	13.7
Holyhead	o3ffr.oz	omF.Fe	ff.bf	ffo.cbc	61	46	41	–	–	–	0.2
Liverpool (Bidston) ...		bor bc	f	orm	64	52	53	–	–	–	11.3
Manchester (Alex.Pk.)	c.1m	bc.c1m	mff	ffδ₀δ₀	79	51	52	–	trace	–	•
Howden	c	bor bc	bor bc	c	71	42	34	–	–	–	5.3
Spurn Head	c	c	bor bc	bor bc	61	53	•	–	–	–	•
Nottingham	c	bor bc	bor bc		78	51	45	–	–	–	9.0
Cranwell	c	bor bc	bor bc	c	71	49	46	–	–	–	9.5
Gorleston	bor bc	bor bc	bor bc	bw	61	49	47	–	–	–	14.7
Pulham	c	bor bc	c	bor bc	68	38	34	–	–	–	10.6
Felixstowe	bor bc	bor bc	bor bc	bor bc	60	47	•	–	–	–	14.0
Valencia (Cahirciveen)	bor bc	bor bc	bor bc	bor bc	70	51	45	–	–	–	14.9
Roches Point	bor bc	bor bc	bor bc		69	53	•	–	0.2	–	•
Pembroke (St. Ann's H.)	bor bc	bor bc	bor bc	bor bc	70	55	•	–	–	–	15.2
Ross-on-Wye	b.bcyz	bcy.z	bcybz	bw.bz	83	53	46	•	–	–	11.9
Benson...	c	c	bor bc		79	52	44	–	–	–	•
S. Farnborough ...	c	c	bor bc		76	47	45	–	–	–	7.8
London	om.oz bcy	bczy bzy	b.bcz		76	50	41	–	–	–	7.4
Croydon	omz.c	c.bc.by	bm.bcw	bcm bpw	74	46	43	–	–	–	•
Clacton-on-Sea ...	bc	b	b.	bc.	61	50	44	–	–	–	12.2
Shoeburyness	bor bc	bor bc	bm	b form	63	43	35	–	–	–	13.4
Grain	c	bor bc	bor bc		61	45	36	–	–	–	12.6
Lympne	bor bc	bor bc	bor bc	c	65	45	33	–	–	–	14.8
Scilly (St. Mary's) ...	bor bc	bor bc	bor bc	bor bc	68	56	•	–	–	–	14.8
Falmouth	b	b.bc	bb	bb	68	53	47	–	–	–	14.7
Plymouth	bor bc	bor bc	bor bc	form	76	51	48	–	–	–	13.9
Portland Bill	bor bc	bor bc	bor bc	bor bc	65	56	•	–	–	–	•
Calshot	c	bor bc	bor bc	c	70	53	44	–	–	–	9.8
Dungeness	bor bc	bor bc	bor bc	bor bc	63	53	•	–	–	–	
Jersey	b	b	bor bc	bw	74	55	•	–	–	–	14.6

ISALLOBARS. 17th June



Temperature reported from Cross Channel and Coastal Steamers

Position Number	8	6	3	6
Date	16th	16th	16th	17th
Time G.M.T.	0625	0605	1030	0300
Sea ° F	54	53	52	58
Air ° F	57	58	52	62

GENERAL INFERENCE.

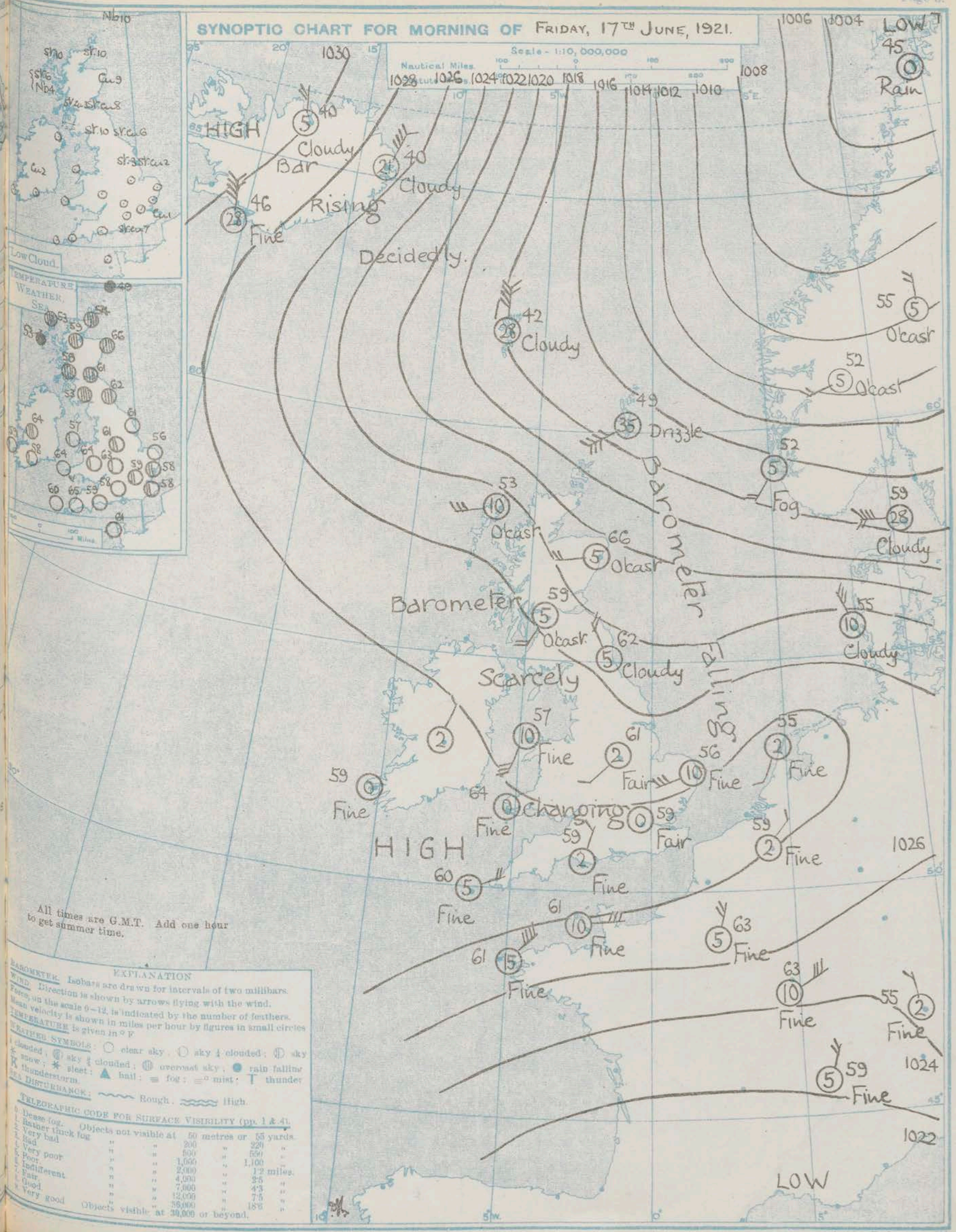
A rather brisk rise of the barometer in Iceland will cause the wind in this country to be between N.W. and N. with fair but cooler weather. There is, however, some probability that thunderstorms will occur locally before the ensuing 24 hours have elapsed.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Friday, 17th June, 1921.	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 between N.W. and N., light; fine, warm today, cooler and perhaps local thunderstorms tomorrow.	Cooler and less settled. ------
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind N.W. or N., moderate; variable sky, local thunderstorms not improbable; temperature falling.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Same as 1 - 10.	

P.S.

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 08.45 G.M.T. G. C. SIMPSON, F.R.S., Director.

Pa 2183/369 wt 112 D 681 24750 6/21


SYNOPTIC CHART FOR MORNING OF FRIDAY, 17TH JUNE, 1921.
Scale - 1:10,000,000
Nautical Miles
HIGH
Cloudy
Bar
Rising
Decidedly.
Fine
Cloudy
Cloudy
Drizzle
Fog
Cloudy
Okcast
Okcast
Okcast
Okcast
Cloudy
Cloudy
Barometer
Barometer
Scarcely
Falling
Fine
Fair
Fine
Fine
Fine
Fine
Fine
Fair
Fine
Fine
Fine
Fine
Fine
Fine
Fine
changing
HIGH
LOW
LOW
Rain
1030
1028
1026
1024
1022
1020
1018
1016
1014
1012
1010
1008
1006
1004
1026
1024
1022
Low Cloud.
TEMPERATURE
WEATHER,
SEA
All times are G.M.T. Add one hour to get summer time.
EXPLANATION
BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Direction is shown by arrows flying with the wind.
Force, on the scale 0–12, is indicated by the number of feathers.
Mean velocity is shown in miles per hour by figures in small circles
TEMPERATURE is given in ° F.
WEATHER SYMBOLS: clear sky; sky ¼ clouded; sky ½ clouded; sky ¾ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
SEA DISTURBANCE: Rough. High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY (pp. 1 & 4).
0. Dense fog. Objects not visible at 50 metres or 55 yards.
1. Rather thick fog " " 200 " 220 "
2. Very bad " " 500 " 550 "
3. Bad " " 1,000 " 1,100 "
4. Very poor " " 2,000 " 1·2 miles.
5. Poor " " 4,000 " 2·5 "
6. Indifferent " " 7,000 " 4·3 "
7. Fair " " 12,000 " 7·5 "
8. Good " " 36,000 " 18·6 "
9. Very good Objects visible at 30,000 or beyond.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION FRIDAY 17th JUNE 1921. No. 168

Observations at 0100 G.M.T. 17

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	1020·9	-2	W	7	o	49	97	6	5750	Nb	10	-	10	*
Stornoway	1028·1	0	W	2	o	*	*	6	*	*	*	*	*	*
Wick	1024·0	-2	WNW	1	fb	49	97	2	-	-	-	-	-	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1028·2	0	W	1	ot	56	97	9	4000	StCu	10	-	10	*
Renfrew	1027·6	-1	SW	1	ct	56	92	8	4000	Nb	2	aSt	8	*
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1028·2	0	-	0	c	51	92	6	2500	St	5	aCu	8	*
Tynemouth	1027·1	-1	W	2	b	57	85	5	2500	St	2	-	2	*
Blacksod Point ...														*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1029·2	0	-	0	b	59	97	8	-	-	-	aSt	2	*
Holyhead	1028·8	-1	NW	2	ifo	*	*	3	<150	St	10	-	10	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1028·4	-1	E'S	1	ct	44	92	7	4000	St	3	CiSt	7	*
Spurn Head	1028·8	-2	S	3	b	55	92	8	2500	St	1	-	1	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1028·9	-1	SSE	3	bc	51	92	8	-	-	-	CiSt	5	*
Gorleston	1029·8	0	S	3	b	53	92	8	-	-	-	CiSt	1	*
Pulham	1029·8	-1	-	0	ot	41	97	4	-	-	-	CiSt	10	*
Felixstowe	1030·7	0	E'N	2	bct	53	85	8	-	-	-	CiSt	5	*
Valencia (Cahirciveen)	1029·3	0	NW	1	b-	60	*	8	*	*	*	*	*	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St.Ann's H.)	1029·3	0	-	0	b	57	85	9	-	-	-	-	*	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy)..	1029·8	-1	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	1029·8	-1	-	0	bc	48	92	7	4000	StCu	5	-	5	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1029·9	-1	N	2	b	49	92	8	-	-	-	Ci	3	*
Scilly (St. Mary's) ...	1028·8	0	E	2	b	58	85	8	-	-	-	-	-	*
Falmouth														*
Plymouth	1029·7	0	NE	1	b	55	92	8	-	-	-	aCu	1	*
Portland Bill	1029·1	0	NE	2	b	59	92	8	-	-	-	-	-	*
Calshot	1029·9	-1	-	0	c⊕	55	92	8	4000	StCu	3	CiSt	8	*
Dungeness	1029·2	-1	ESE	2	b	54	85	9	-	-	-	-	-	*
Jersey (Guernsey 1h.)	1029·0	+2	ENE	4	b	59	75	8	-	-	-	-	-	*

Observations at 0700 G.M.T. 17

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	-5	WSW	7	odt	49	97	5	2500	Nb	10	-	10	6
Stornoway	1024·6	0	W	3	o	53	92	8	450	St	10	-	10	1
Wick	1021·5	-2	WNW	1	fg-	54	97	4	450	St	10	-	10	0
Castlebay	1026·4	0	NW	3	od	53	97	3	450	St	10	-	*	1
Nairn	1022·8	*	WSW	4	c	59	*	*	*	*	*	*	9	2
Aberdeen	1023·0	-2	W'S	2	o	66	65	8	2500	Cu	9	-		0
Malin Head	1029	-1	WNW	3	o	53	97	6	4000	StCu	10	-	10	1
Renfrew	1025·3	-3	SW	2	o	59	85	8	1500	StCu	3	aSt	9	*
Leith	1024·4	-1	W	2	o	61	85	8	-	StCu	8	aSt	10	2
Eskdalemuir	1026·8	-1	SSW	2	fo-	53	97	2	800	St	10	-	10	*
Tynemouth	1025·0	-1	WNW	2	ct	62	85	5	5750	StCu	6	aCu	8	4
Blacksod Point ...	1026·8	-1	ENE	1	ct	56	85	8	-	-	-	aSt	7	0
Donaghadee	1028·5	*	NNE	1	c-	64	85	7	4000	Cu	2	aCu	7	*
Birr Castle	1028·0	0	SW'W	3	bct	65	75	8	-	-	-	aCu	5	*
Baldonnell	1027·7	-2	SSW	3	b/f	57	97	8	-	-	-	Ci	3	1
Holyhead	1028·0	-1	-	0	fot	53	92	1	<150	St	10	-	10	*
Liverpool (Bidston) ...	1028·3	-1	WSW	1	od	52	97	2	<150	St	10	-	10	*
Manchester (Alex.Pk.)														*
Howden	1026·4	-2	SW	1	c	56	85	7	4000	St	3	CiSt	8	1
Spurn Head	1026·7	-2	W	2	bc	61	85	8	1500	StCu	2	aCu	5	*
Nottingham	1027·2	*	SW	1	bct	61	85	5	-	-	-	Ci	5	*
Cranwell	1026·8	-2	W'S	3	o	63	75	7	-	-	-	Ci	9	*
Gorleston	1027·6	-2	SW'W	3	b	56	85	8	-	-	-	-	-	1
Pulham	1027·8	-1	S	3	b	56	92	8	-	-	-	-	-	*
Felixstowe	1029·2	-1	SW	2	b-	57	85	8	-	-	-	CiSt	2	1
Valencia (Cahirciveen)	1029·8	0	-	0	b-	59	92	8	-	-	-	aSt	1	0
Roches Point	1029·6	0	W	1	b/f	58	97	6	-	-	-	Ci	1	0
Pembroke (St.Ann's H.)	1028·7	0	-	0	bv	64	75	9	-	-	-	-	*	*
Ross-on-Wye	1027·8	0	W	1	b	64	75	7	-	-	-	Ci	2	*
Benson...	1027·9	0	SSE	2	b	63	75	7	-	-	-	Ci	-	*
S. Farnborough ...	1028·7	0	S	2	b-	58	75	8	-	-	-	CiSt	4	*
London (Kew Obsy)..	1029·0	0	-	0	bc	59	65	7	-	-	-	CiSt	3	*
Croydon	1028·8	-1	SSW	1	b	59	55	8	-	-	-	Ci	4	0
Clacton-on-Sea ...	1029·0	0	SSE	3	bct	58	85	7	-	-	-	-	1	*
Shoeburyness	1029·2	-1	-	0	ff.b	60	75	5	4000	Cu	1	Ci	2	0
Grain	1028·8	0	-	0	bt	57	85	7	-	-	-	Ci	4	*
Lympne	1028·9	0	SE	1	bc	57	75	8	4000	Cu	1			*
Scilly (St. Mary's) ...	1028·6	0	E	2	b	60	97	8	-	-	-	-	-	*
Falmouth	1028·6	0	E	1	b	65	65	8	-	-	-	-	-	*
Plymouth	1029·3	+1	-	0	fb-	58	85	6	-	-	-	aCu	2	0
Portland Bill	1028·7	-1	NE	1	b	59	92	8	-	-	-	-	-	0
Calshot	1028·5	0	-	0	c	58	85	8	5750	StCu	7	-	7	0
Dungeness	1028·8	0	ESE	1	bc	58	85	8	-	-	-	CiCu	4	2
Jersey (Guernsey 1h.)	1027·9	0	E	3	b	61	75	8	-	-	-	-	*	3

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day. °F.	Temperature. Min. Night. °F.	Rainfall.† Night 17h.-9h. 15-16 mm.	Rainfall.† Day 9h.-17h. 16 mm.	Sunshine. Sunrise to 17h. 16 hr.	Sunshine. Sunrise to Sunset. 15 hr.
Banff	b.	b. bc	70	42	-	-	11·3	9·2
Montrose	b	b	63	50	-	-	10·5	0·3
Llandudno	m bc	bm	61	48	-	-	7·8	13·4
Colwyn Bay ...	b	b	62	50	-	-	9·8	14·0
Rhyl...	b	b	59	46	-	-	8·0	14·7
Southport	b.	b. bc. c	63	50	-	-	8·5	15·0
Blackpool	c. bc.	of	63	50	-	-	6·8	15·5
Harrogate	b	b	71	50	-	-	11·5	11·2
Skegness	o. c. b	bc	64	51	-	-	3·3	13·0
Aberystwyth ...	c. b	b	66	52	-	-	12·5	14·5
Bath	bc z. b	b bc	80	54	-	-	6·6	10·6
Leamington Spa ...	b	bc	77	55	-	-	8·2	9·3
Lowestoft	b	b	58	53	-	-	12·8	8·5
Felixstowe	b	b	61	52	-	-	11·8	10·0
Southend	bc. c.	bc	65	54	-	-	10·6	12·2
Paignton	b	b	69	59	-	-	11·9	14·9
Ilfracombe	b	b	70	58	-	-	11·8	15·1
Bude	b. bc	b. bc	78	52	-	-	11·5	14·4
Penzance	b	b	73	57	-	-	11·0	13·2
Torquay	bz	b	70	60	-	-	11·9	15·0
Weymouth	b	b	73	56	-	-	11·7	14·3
Bournemouth ...	b	b	72	54	-	-	11·5	14·1
Portsmouth (S'thsea)	?	?	70	58	-	-	7·5	13·8
Worthing	o. c.	b	66	54	-	-	5·8	13·3
Brighton	c	bc. b	72	55	-	-	7·7	10·9
Eastbourne	b	b	65	56	-	-	12·5	12·9
Hastings	c. bc. b	b	65	55	-	-	12·0	10·7
Folkestone	bc	b	64	54	-	-	10·3	12·3
Tunbridge Wells ...	b. bc	bc. b	72	51	-	-	9·4	10·9
Ramsgate	b	b	58	53	-	-	9·6	12·3
Margate	b	b	60	55	-	-	9·5	11·6
Deal	b.	b	63	53	-	-	10·5	13·7

* 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. 21,758 Saturday, 18th June 1921. Page 1.

Observations at 1300 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	Upper Form.	Total Amt. 0-10	Sea 0-9
Lerwick	1018.7	+3	NNE	8	cfr	46	75	6	4000	CuNb	6	-	6	*
Stornoway	1026.3	+3	N	6	c	54	65	8	4000	Cu	6	-	6	*
Wick	1022.2	+1	NW	4	cfr	51	85	7	2500	CuNb	6	-	6	*
Castlebay	1027.6	+1	NW	3	ffo	54	92	5	800	St	10	.	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1022.3	+1	NW'W	4	o	60	85	8	2500	Cu	10	-	10	*
Malin Head	1028.6	+1	NW	3	o	55	97	7	225	StCu	10	-	10	*
Renfrew	1025.7	0	W	4	o	62	75	8	1500	StCu	9	-	9	*
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1024.6	-1	NW	3	c	62	65	8	4000	Cu	3	Ci St	7	*
Tynemouth	1023.0	-2	W	3	bc.	70	75	8	4000	Cu	4	-	4	*
Blacksod Point	1029.6	0	NW	1	o	59	97	7	450	St	10	-	10	*
Donaghadee	1027.2	-1	NNE	2	bc+	58	85	8	4000	CuNb	6	-	6	*
Birr Castle	1028.6	*	NNE	1	c	69	75	8	2500	Cu	5	CiCu	8	*
Baldonnell	1028.0	-1	W	3	c	71	65	8	4000	StCu	4	A.Cu	8	*
Holyhead	1027.5	-1	W'N	4	o	64	85	8	-	-	-	Ci St	9	*
Liverpool (Bidston)	1026.2	-2	WNW	2	b-	64	65	7	—	—	—	Ci	2	*
Manchester (Alex.Pk.)	1025.7	-4	W	3	bc	75	45	7	2500	StCu	3	CiSt	5	*
Howden	1024.0	-3	W'S	4	c-	77	55	8	4000	Cu	5	A.St	7	*
Spurn Head	1025.1	-1	W	3	bc-	75	97	8	2500	St	4	.	4	*
Nottingham	1024.2	*	W	2	bc	80	45	6	4000	Cu	1	A.St	6	*
Cranwell	1023.9	-3	NNW	1	o	80	45	8	5750	Cu	1	CiSt	9	*
Gorleston	1023.9	-4	SW'S	5	bc	66	92	8	-	-	-	Ci	3	*
Pulham														
Felixstowe	1026.1	-4	S'E	4	b.	65	75	8	-	-	-	Ci St	2	*
Valencia (Cahirciveen)	1029.5	-1	NW'N	2	b.	66	75	8	-	-	-	A.Cu	2	*
Roches Point	1028.4	-2	NW	1	o	74	65	8	2500	CuNb	4	CiSt	9	*
Pembroke (St.Ann's H.)	1028.0	-1	NW	2	b-	63	85	9	-	-	-	Ci St	3	*
Ross-on-Wye	1025.1	-4	NW	3	bc	82	35	9	-	-	-	Ci	5	*
Benson	1024.8	-5	W	2	b-	81	45	8	-	Cu	2	Ci	1	*
S. Farnborough	1025.4	-4	SSW	3	b	80	45	8	4000	Cu	1	CiSt	2	*
London (Kew Obsy.)	1025.0	-6	SW	2	b	77	45	8	5750	Cu	1	Ci	2	*
Croydon	1025.4	-4	W	2	bc	78	45	8	-	.	.	Ci St	5	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1025.7	-4	SE	1	b	70	65	6	5750	Cu	1	.	1	*
Grain	1025.5	-5	ESE	2	b	72	55	8	-	.	.	Ci	1	*
Lympne	1026.4	-3	SSE	1	b-	67	55	9	-	-	.	Ci	2	*
Scilly (St. Mary's)	1027.9	0	-	0	b	69	75	8	-	-	-	-	0	*
Falmouth	1027.4	-2	ESE	2	b	70	55	8	-	-	-	-	0	*
Plymouth	1027.1	-2	SSW	3	b	64	65	8	4000	Cu	1	-	1	*
Portland Bill	1027.4	-2	ESE	2	b	65	92	8	-	-	-	-	0	*
Calshot	1026.6	-4	E'S	3	b	68	55	8	-	-	-	-	0	*
Dungeness	1026.0	-2	SW	2	bc	64	65	9	-	-	-	Ci	5	*
Jersey	1026.0	-1	NE	3	b	71	55	8	-	-	-	-	0	*

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	Upper Form.	Total Amt. 0-10	Sea 0-9
Lerwick	1023.8	+3	N	8	bcfr	42	85	7	7250	CuNb	5	-	5	7
Stornoway	1029.6	+3	N	6	bc	51	65	8	4000	Cu	4	-	4	5
Wick	1026.3	+5	NNW	5	bcfr	48	75	8	4000	Cu	4	-	4	3
Castlebay	1028.9	+1	NW	4	bcf	55	75	5	5750	Cu	3	A.St	6	3
Nairn	1027.7	*	NNE	4	bc	54	*	*	*	*	*	*	*	*
Aberdeen	1026.4	+6	N'W	4	b.	52	65	8	2500	Cu	2	-	2	0
Malin Head	1028.2	0	NW	3	o	54	97	7	450	St	10	—	10	1
Renfrew	1025.5	-1	WNW	4	o	60	75	9	1500	StCu	9	Ci St	10	*
Leith	1024.3	0	W	4	od₀	61	75	8	-	StCu	10	-	10	*
Eskdalemuir	1024.5	-1	NW	4	o	58	75	7	4000	StCu	10	-	10	*
Tynemouth	1022.9	0	NNE	3	c	64	85	8	4000	StCu	8	-	8	2
Blacksod Point	1029.1	-1	NW'N	2	o	56	92	7	450	St	10	-	10	1
Donaghadee	1027.2	0	WSW	3	bc	58	75	8	5750	-	-	A.Cu	4	0
Birr Castle	1028.1	*	W	1	bc	66	75	7	-	StCu	6	-	6	*
Baldonnell	1027.3	0	NNW	3	o	66	65	8	4000	Cu	8	—	8	*
Holyhead	1026.9	-1	NNW	3	c	59	85	8	-	-	-	A.St	7	1
Liverpool (Bidston)	1026.1	-1	NW'W	4	bv	60	75	9	-	-	-	Ci St	3	4
Manchester (Alex.Pk.)	1025.0	-1	WNW	4	c	65	55	8	2500	Cu	2	Ci	7	*
Howden	1022.2	-1	W'N	4	c	70	75	8	-	StCu	3	Ci	8	*
Spurn Head	1022.4	-3	N	4	bc	67	45	7	1500	CuNb	3	Ci	5	1
Nottingham	1023.1	*	NW	4	b+	72	65	6	4000	Cu	1	Ci	3	*
Cranwell	1022.2	0	NW	3	bc	74	55	8	4000	Cu	3	Ci	6	*
Gorleston	1021.3	-3	SW'S	4	bc	64	92	8	-	-	-	CiCu	5	0
Pulham	1020.9	-3	-	0	o	75	65	8	4000	CuNb	9	-	9	*
Felixstowe	1022.0	-5	SSE	3	b+	65	75	8	4000	CuNb	1	CiSt	3	2
Valencia (Cahirciveen)	1028.5	-1	NNW	4	b	63	75	8	-	-	-	-	0	1
Roches Point	1027.5	-2	NW	3	b	71	75	8	2500	Cu	1	-	1	0
Pembroke (St.Ann's H.)	1026.0	-1	N	1	b-	69	75	8	-	-	-	Ci St	2	0
Ross-on-Wye	1023.2	-3	N	3	bcv	79	45	9	1500	St	9	-	9	*
Benson	1022.1	-3	NNW	2	bc	79	45	8	-	CuNb	2	Ci St	5	*
S. Farnborough	1022.3	-4	SW	4	c	79	45	8	5750	Cu	4	Ci	7	*
London (Kew Obsy.)	1021.8	-3	NW	2	ctl	81	45	8	5750	Cu	6	-	6	*
Croydon	1022.4	-3	SW'S	3	tlr₀	73	55	8	5750	CuNb	8	Ci	10	*
Clacton-on-Sea	1021.8	-4	SSE	3	c-	64	85	7	4000	CuNb	5	A.Cu	7	0
Shoeburyness	1021.5	-5	WNW	1	bc	73	65	7	4000	Cu	3	Ci	4	*
Grain	1021.8	-4	SSW	3	bc-	73	55	8	5750	Cu	1	CiCu	5	0
Lympne	1028.9	-4	SSW	3	bc	66	55	9	-	-	-	Ci	6	*
Scilly (St. Mary's)	1026.1	-1	NNW	2	b	66	85	8	-	-	-	-	0	1
Falmouth	1025.4	-2	N	4	b-	74	55	7	-	StCu	1	CiCu	2	*
Plymouth	1025.4	-2	NW	2	bc-	64	65	9	-	-	-	A.Cu	5	*
Portland Bill	1025.9	-3	ESE	2	b-	62	92	8	-	-	-	CiCu	2	1
Calshot	1024.0	-2	SW	3	c	65	55	8	-	-	-	Ci	8	0
Dungeness	1022.8	-3	SW	2	bc	63	75	9	7250	-	-	CiCu	4	2
Jersey	1024.3	-1	N	3	b	70	45	9	-	-	-	—	0	3

LONDON OBSERVATIONS. (Weather, Temperature, Rainfall: 24 Hours ended 0900 G.M.T. 18th; 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 Day mm	Rainfall Night mm	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. %
Kew (24 hours ended 0700)	bybgy	bgylbc	bog	*	*	52	-	-	13.0	*	*
Croydon (24 hours ended 0700)	b.bcy	bcoy	otlrpry	*	*	53	-	-	*	*	*
Greenwich (Royal Obsy.)	bbc	b.bc	bc.o	86	55	48	-	-	13.9	39	69
City (Bunhill Row)	*	*	*	*	*	*		*	13.1	*	*
Westminster (St. James' Pk.)	*	*	*	84	56	53	-	-	13.6	39	65
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*		*	13.8	*	*
Camden Sq. (Brit. Rainfall)	b	bc	*	86	55	51	-	-	*	37	62
Kensington Palace			*	84	54	53	-	-	*	41 (18h)	68
Hampstead Observatory	*	*	*	84	53	47	-	-	13.5	*	68

ATMOSPHERIC POLLUTION. Lbs. of Solid impurity per million cubic yards.

24 Hr. ended 1800 G.M.T. 17th

South Kensington Max.	Time.	Min.	Time.
0.6 / 0.8	17h. 16th / 6h. 17th	0.2	1h. 17th

Kew Observatory Max.	Time.	Min.	Time.
		<1/2	15h. 16th / 16 / 16h. 17th

SOLAR RADIATION. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total ? 2048 joules

Average Rate 34.4 Milliwatts.

Maximum Rate 82 Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 17th 21 h. 30 m. to 18th 02 h. 30 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	5.0	4.0	80
δ Ursae Minoris	5.0	3.44	75

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

18th & 19th June 1921.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.31 / 3.31	11.54 / 11.54	8.16 / 8.17
Greenwich	3.44 / 3.44	12.1 / 12.1	8.18 / 8.18
Wick	3.7 / 3.7	12.13 / 12.13	9.19 / 9.19
Valencia	4.22 / 4.22	12.42 / 12.42	9.1 / 9.2

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.
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"; bc = cloud 0-5; co = cloud 6-10.

Capital letters indicate intensity, 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.

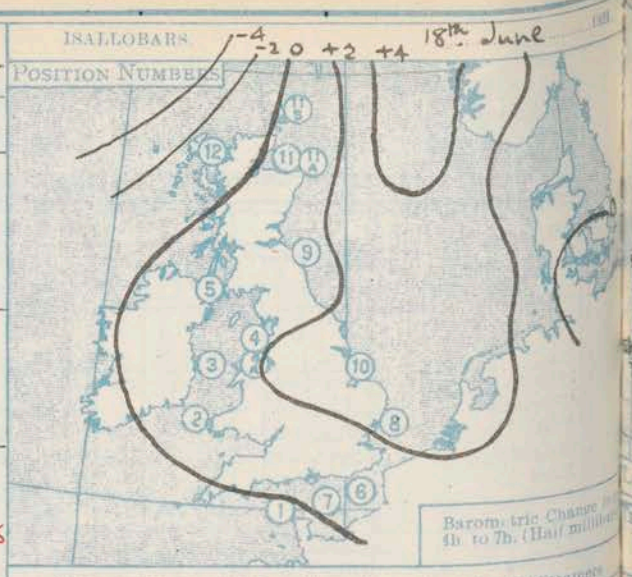
Beaufort No.	Statute miles per hour.	Metres per second.
0	Less than 1.	Less than 0·3
1	1-3	0·3-1·5
2	4-7	1·6-3·3
3	8-12	3·4-5·4
4	13-18	5·5-7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

* 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. 17th	13h.–18h. 17th	18h.–1h. 17th to 1h. 18th	1h.–7h. 18th	Temperature. Max. Day. 7h.–18h.	Min. Night. 18h.–7h.	Min. on Grass.	Rainfall.† Day. 7h.–18h.	Night. 18h.–7h.	Precipitation began.	Sun. Hours.
Lerwick	lm	tr d	c	c	52	40	•	0·4	-	-	•
Stornoway	oo	c	oo	c	55	41	•	trace	-	-	5·7
Wick	p	cir q	ir	c	56	43	•	0·6	0·1	11·0 22·0	•
Castlebay	d om	ac im	cm bc o	ocb	55	47	•	trace	-	-	2·5
Nairn	c p g	g c be	bcc		61	42	•		9·0	-	6·2
Aberdeen	c bc c o	d p g b	c		67	43	40	0·1	-	14·30	6·6
Malin Head	oo if	oo if			•		•	-		-	
Renfrew	oc o	oo	ovc	ocbc	64	44	42	-	-	-	7·5
Leith	oo	oo	oo		66	46	42	-	-	-	•
Eskdalemuir	oo	oo	ogr	oo	64	38	36	-	-	-	4·4
Tynemouth	b or bc	b or bc	im	oo	73	48	•	-	-	-	•
Blacksod Point ...	oo	oo	c				•	-		-	•
Donaghadee	c	bc a	omd		61	49	•	-	trace	- 3.30	•
Birr Castle	c	bc	c		72	51 0	40 7	-	-	-	8·0
Baldonnell	oo c		oo	oo		50	43		-	-	8·35
Holyhead	b.c.o	obc o bc	c.oc	bco	60	51	50	-	-	-	10·5
Liverpool (Bidston) ...	c	b or bc	oo		68	49	49	-	-	-	8·5
Manchester (Alex. Pk.)	m im	bc im c	om		76	49	48	-	-	-	•
Howden	c	oo	p	oo	79	48	45	-	trace	- 13.0	10·3
Spurn Head	b or bc	b or bc	oo	oo	76	50	•	-	-	-	•
Nottingham	c	b or bc	c		82	50	49	•	-	-	12·1
Cranwell	c	c	c	oo	81	50	49	-	trace	- 24.00	13·3
Gorleston	b or bc	b or bc	r lr cb	oq. oqu	69	52	49	-	0·6	-	11·8
Pulham		c	b or bc	bd	82	50	50	-	2	- 22.00	10·7
Felixstowe	b or bc	c	c	oo	67	53	•	-	-	-	13·8 9
Valencia (Cahirciveen)	b or bc	b or bc	b or bc	b or bc	?	?	?	-	-	-	?
Roches Point	c	b or bc	c		76	55	•	-	-	-	•
Pembroke (St. Ann's H.)	b or bc	b or bc	b or bc	?	69	52	•	•	-	•	13·3
Ross-on-Wye	b g b y b y	b c y c y	b c y	c bc. co	87	52	43	-	-	•	14·1
Benson...	b or bc	b or bc	o		84	49	39	-	-	-	•
S. Farnborough ...	b or bc	c	b or bc		85	52	48	-	-	-	12·8
London (Kew Obsy) ...	b y b y	b y r b y	b o g		83	55	52	-	-	•	13·0
Croydon	b. bc y	bc o y	o lr. p r y	b bc. co	81	55	53	-	trace	-	•
Clacton-on-Sea ...		bc. c	r lr		64	54	51	-	2	-	13·4
Shoeburyness	b or bc	b or bc	bc		74	53	49	-	-	-	10·8
Grain	b or bc	b or bc	oo		78	55	41	-	-	-	13·5
Lympne	b or bc	b or bc	bcc. b c y	b. bc c q	70	53	46	-	-	-	14·6
Scilly (St. Mary's) ...	b or bc	b or bc	b or bc	b or bc	73	?	•	-	-	-	14·6
Falmouth	b b	b y b y g	b. bc		77	56	50	-	-	-	13·9
Plymouth	b or bc	b or bc	b or bc	b or bc	67	57	45	-	-	-	12·6
Portland Bill	b or bc	b or bc	b or bc	b or bc	63	56	•	-	-	-	•
Calshot	b or bc	b or bc	c	c	75	55	52	-	-	-	11·5
Dungeness	b or bc	b or bc	c	c	66	56	•	-	-	-	•
Jersey	b	b	b		74	57	•	-	-	-	14·7



Temperature reported from Cross Channel and Coastal Steamers

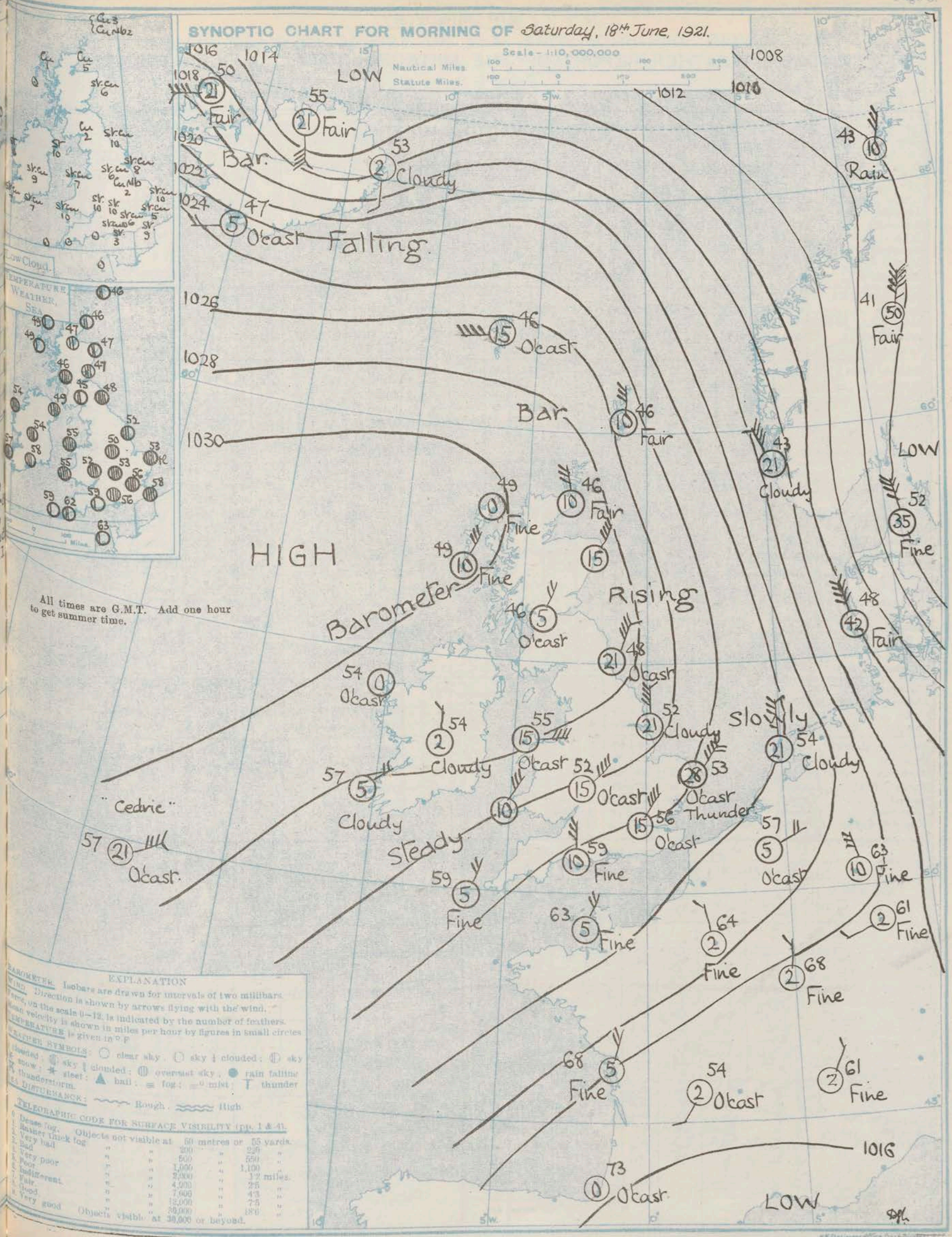
Position Number	3	1	6
Date	17th	17th	18th
Time G.M.T.	10.15	12.15	2.10
Sea ° F	54	57	55
Air ° F	58	61	58

GENERAL INFERENCE.

An anticyclone centred off the Hebrides is moving South-Eastward while a depression lies over the Baltic region. Cool Northerly and North-Easterly winds will prevail for 24 hours or longer, with a good deal of cloud generally and some local thunderstorms.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Saturday 18th June 1921	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind North-Easterly, moderate, stronger on Coast; cloudy or overcast, some local showers or thunderstorms. Visibility fair; cool.	Fairer with a rising 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 N. or N.E., light or moderate; cloudy or overcast, perhaps local showers or thunder. Visibility fair or good. Cool.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind Northeast to Northwest, light or moderate; cloudy to fair. Visibility fair or good. Cool.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind light, North or Northeast, cloudy or overcast to fair. Visibility fair or good. Cool.	

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


SYNOPTIC CHART FOR MORNING OF Saturday, 18th June, 1921.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
LOW
Bar.
Falling.
HIGH
Barometer
Rising
Slowly
Steady
"Cedric"
LOW
Low Cloud.
TEMPERATURE
WEATHER.
SEA
All times are G.M.T. Add one hour to get summer time.
EXPLANATION
BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Direction is shown by arrows flying with the wind. Force, on the scale 0—12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in °F.
WEATHER SYMBOLS: clear sky; sky ¼ clouded; sky ½ clouded; sky ¾ clouded; overcast sky; snow; sleet; rain falling; hail; fog; mist; thunder; thunderstorm.
SEA DISTURBANCE: Rough; High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY (pp. 1 & 41).
0 Dense fog. Objects not visible at 50 metres or 55 yards.
1 Thicker thick fog " " 200 " 220 "
2 Very bad " " 500 " 550 "
3 Bad " " 1,000 " 1,100 "
4 Very poor " " 2,000 " 1·2 miles.
5 Poor " " 4,000 " 2·5 "
6 Indifferent " " 7,000 " 4·3 "
7 Fair " " 12,000 " 7·5 "
8 Good " " 30,000 " 18·6 "
9 Very good " " Objects visible at 30,000 or beyond.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Saturday, 18th June 1921. No. 169

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	1026·0	+2	N	5	bc	42	75	7	-	Nb	6	-	6	*
Stornoway	1031·2	+3	-	0	0	*	*	6	*	*	*	*	*	*
Wick	1028·3	0	NW	3	0	44	75	9	7250	SrCu	9	-	9	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head														*
Renfrew	1028·5	+3	NE	3	0	50	65	8	2500	SrCu	7	A.St	10	*
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1029·2	+2	NNE	4	0	43	75	7	4000	St	2	A.St	10	*
Tynemouth	1027·3	+2	NNE	4	0	50	92	7	4000	SrCu	10	-	10	*
Blacksod Point	1029·9	0	NW	2	0	55	92	6	450	St	10	-	10	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1028·2	0	-	0	0	56	85	8	2500	St	9	-	9	*
Holyhead	1026·4	-1	NNE	5	bc	*	*	8	1500	-	-	A.Cu	6	*
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1025·9	+3	N'E	4	obr	51	92	6	1500	SrCu	10	-	10	*
Spurn Head	1025·6	+1	NNE	5	0	54	85	8	-	-	-	A.St	10	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1024·9	+1	NE'E	4	od+	56	85	8	2500	St	5	A.St	10	*
Gorleston	1021·9	+1	NE	4	b+	56	92	9	-	-	-	Ci	1	*
Pulham	1022·0	0	N	3	b	54	75	4	5750	-	-	Ci St	1	*
Felixstowe	1022·3	0	N	3	b-	57	75	8	4000	CuNb	2	-	2	*
Valencia (Cahirciveen)	1029·0	0	NNE	1	b+	55	*	7	-	-	*	Ci St	3	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1026·4	0	WSW	2	b	56	92	8	-	-	--	-	0	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	1023·0	0	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	1023·3	0	N	1	b+r	61	75	8	-	-	-	-	0	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1021·5	-1	N	4	b+	59	85	8	-	-	-	Ci	3	*
Scilly (St. Mary's)	1026·4	0	-	0	b	59	97	8	-	-	-	-	0	*
Falmouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plymouth	1023·2	0	W	2	b	62	85	9	-	-	-	-	0	*
Portland Bill	1023·8	-1	N	2	b	58	92	8	-	-	-	-	0	*
Calshot	1023·0	0	NNW	3	b	61	75	8	-	-	-	-	0	*
Dungeness	1021·5	-1	NNW	2	bc	57	75	9	7250	-	-	Ci Cu	6	*
Jersey (Guernsey 1h.)	1023·9	0	WNW	2	b-	57	85	9	-	-	-	Ci St	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	1025·9	+2	N	3	bc	46	65	8	7250	Cu	5	-	5	*
Stornoway	1030·8	-1	-	0	b	49	65	8	4000	Cu	1	-	1	*
Wick	1028·6	0	NW	3	bc	46	65	9	4000	Cu	5	Ci	6	*
Castlebay	1029·9	0	NE	3	b.	49	65	8	-	-	-	A.St	*	*
Nairn	1029·3	*	-	0	bc	47	*	*	*	*	*	*	6	*
Aberdeen	1028·7	0	N'E	4	bc	47	75	8	4000	SrCu	6	-		*
Malin Head														*
Renfrew	1029·3	+1	NNE	2	bc+	46	65	8	-	-	-	Ci St	6	*
Leith	1029·5	+2	NE	3	c	47	85	8	-	-	-	A.St	8	*
Eskdalemuir	1028·8	0	NNE	4	bc-	45	65	8	4000	Cu	2	Ci St	6	*
Tynemouth	1028·4	+1	NNE	5	0	48	85	8	4000	SrCu	10	-	10	4
Blacksod Point	1028·3	+1	ESE	3	o|r	49	75	8	4000	St	10	-	10	3
Donaghadee	1028·4	*	N	1	o+	54	92	7	4000	SrCu	9	-	9	*
Birr Castle	1028·0	0	NW	3	o	53	85	8	800	SrCu	10	-	10	*
Baldonnell	1028·4	0	E	4	o-	55	85	8	2500	SrCu	7	A.St	9	4
Holyhead	1026·9	+1	ENE	4	o	50	65	6	800	St	10	-	10	4
Liverpool (Bidston)	1027·2	+4	ENE	4	o	50	65	7	4000	SrCu	9	A.St	10	*
Manchester (Alex.Pk.)														*
Howden	1027·5	+2	N	3	o	51	75	7	4000	SrCu	6	A.St	8	2
Spurn Head	1027·6	+1	N	5	c-	52	85	9	5750	SrCu	8	-	10	*
Nottingham	1027·1	*	NE	2	o+	50	65	5	2500	CuNb	2	A.St	10	*
Cranwell	1026·7	+2	NE	4	o	50	75	8	2500	SrCu	6	A.St	10	3
Gorleston	1028·9	+2	NE	6	o+	53	92	8	5750	SrCu	10	-	10	*
Pulham	1025·0	+4	NE	3	o+	52	75	7	2500	SrCu	10	-	10	2
Felixstowe	1024·9	+3	N'E	4	o	53	85	8	2500	SrCu	5	A.St	10	*
Valencia (Cahirciveen)	1027·8	0	NE'E	2	c+	57	85	8	1500	SrCu	7	-	7	1
Roches Point	1027·8	0	NNE	1	c+	58	85	8	1500	SrCu	7	A.Cu	8	0
Pembroke (St. Ann's H.)	1026·0	0	NE	3	o+	55	92	8	5750	SrCu	10	-	10	1
Ross-on-Wye	1025·3	+1	NE'E	4	o+	52	85	7	1500	St	10	-	10	*
Benson	1024·3	+2	NNE	3	o	53	85	7	-	St	10	-	10	*
S. Farnborough	1023·4	+1	NE	4	o	56	85	8	1500	St. Cu	10	-	10	*
London (Kew Obsy.)	1024·4	+2	NNE	4	o	56	75	8	1500	SrCu	6	A.St	10	*
Croydon	1024·1	+1	NE	4	o	55	85	8	800	St	10	-	10	1
Clacton-on-Sea	1024·2	+3	NNE	4	o|Hr	55	85	7	2500	CuNb	10	-	9	*
Shoeburyness	1024·1	+2	NE	5	o-	56	75	6	1500	SrCu	9	-	10	*
Grain	1024·3	+2	NE'N	6	o	56	75	7	2500	SrCu	10	-	10	*
Lympne	1023·0	+2	NE'N	6	o	56	85	8	1500	St	9	A.St		*
Scilly (St. Mary's)	1025·4	0	N'E	2	b.	59	97	7	4000	-	-	A.Cu	2	7
Falmouth	1024·3	0	N	3	bc+	62	75	8	-	-	-	Ci St	5	*
Plymouth	1023·2	0	NE	2	bc+	61	65	9	-	-	-	Ci	6	*
Portland Bill	1023·7	0	N	3	b.	59	92	8	-	-	-	Ci Cu	2	2
Calshot	1023·4	0	NNE	4	o+	59	75	8	2500	St	3	A.St	10	0
Dungeness	1022·4	+2	NE	5	o	58	85	8	450	St	10	-	10	3
Jersey (Guernsey 1h.)	1023·7	0	NE	2	b.	63	75	8	-	-	-	Ci	2	0

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

Stations.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day. °F.	Temperature. Min. Night. °F.	Rainfall.† Night 17h.-9h. 16th-17th. mm.	Rainfall.† Day 9h.-17h. 17th. mm.	Sunshine. Sunrise to 17h. 17th. hr.	Sunshine. Sunrise to Sunset. 16th. hr.
Banff	oc	orcbc	60	49	-	1	1·2	12·0
Montrose	bc	c	69	50	-	-	5·4	12·6
Llandudno	bc.c	c	73	49	-	-	6·8	8·9
Colwyn Bay	b	b	71	49	-	-	7·5	11·3
Rhyl	b.bc	bc	70	46	-	-	7·5	8·0
Southport	cbc	b	66	52	-	-	7·1	8·5
Blackpool	cm	bc	64	52	0·2	-	5·2	6·8
Harrogate	b.bcb	b.bc.c	73	46	-	-	9·3	12·8
Skegness	bc	c	78	54	-	-	9·8	4·0
Aberystwyth	ocb.	c.b	66	52	-	-	8·0	15·2
Bath	b	b	81	52	-	-	10·1	6·6
Leamington Spa	b	b	82	54	-	-	9·6	11·7
Lowestoft	b	bbc	65	47	-	-	11·7	13·6
Felixstowe	b	bc	64	48	-	-	12·4	14·2
Southend	b	b	73	50	-	-	11·8	12·5
Paignton	b	bbc	?	50	-	-	11·9	14·9
Ilfracombe	b	b.bc.c	67	60	-	-	11·4	14·2
Bude	wb.bcb	b.bc	69	49	-	-	11·4	13·4
Penzance	b	b	77	55	-	-	11·5	13·6
Torquay	bcbby	by	75	56	-	-	11·8	14·1
Weymouth	b	b	73	51	-	-	11·2	13·8
Bournemouth	b	b	75	48	-	-	11·5	13·2
Portsmouth (S'thsea)	*	*	71	53	-	-	11·3	9·5
Worthing	b	b	69	49	-	-	11·8	8·0
Brighton	b	b	66	48	-	-	11·6	9·8
Eastbourne	b	b	69	49	-	-	11·8	14·7
Hastings	b	b	66	49	-	-	12·5	14·5
Folkestone	bc	b	71	49	-	-	1·2	12·2
Tunbridge Wells	b	b	70	44	-	-	11·7	11·5
Ramsgate	b	b	65	49	-	-	10·6	11·9
Margate	b	bc	72	51	-	-	10·3	10·8
Deal	b	b	72	43	-	-	12·0	12·5

* 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.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.21759 SUNDAY, 19th JUNE 1921. 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	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1024.6	-2	W'N	4	c	48	65	8	4000	St.Cu	7	-	7	*
Stornoway	1028.4	-2	E	2	o	49	65	8	800	St.	10	-	10	*
Wick	1027.2	-1	S	2	bc+	50	65	9	4000	Cu	6	-	6	*
Castlebay	1029.2	0	NW	3	o	51	65	7	7250	St	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1027.7	-1	E'N	3	bc	55	55	8	4000	Cu	3	Ci	4	*
Malin Head														*
Renfrew	1027.9	-2	-	0	bc+	59 (57 struck)	55	7	2500	St.Cu	5	A.Cu	6	*
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1027.5	-2	-	0	b	53	55	8	7250	Cu	3	-	3	*
Tynemouth	1028.3	0	NE	3	bc-	53	65	8	2500	Cu	6	-	6	*
Blacksod Point	1028.9	0	NW	1	b	58	65	8	Cu	2	·	Ci	3	*
Donaghadee	1028.1	-1	NNE	2	b	56	65	8		-	·	Ci.Cu	2	*
Birr Castle	1027.7	·	NW	1	c'	62	65	8	-	-	·	A.Cu	7	*
Baldonnell	1027.7	+1	NNE	3	o-	60	65	6	2500	St.Cu	10	-	10	*
Holyhead	1027.0	+1	NE'E	5	c	59	65	8	4000	St.Cu	4	A.Cu	8	*
Liverpool (Bidston)	1026.2	-1	NE	1	b-	60	45	6	2500	Cu	1	Ci.Cu	2	*
Manchester (Alex. Pk.)	1026.6	-1	ENE	3	c	62	45	9	2500	St.Cu	7	-	7	*
Howden	1027.2	0	NNE	4	o	55	75	6	4000	St.Cu	8	Ci.St	9	*
Spurn Head	1027.1	0	N	4	c-	55	85	8	4000	Cu	5	A.Cu	7	*
Nottingham	1026.4	*	NE	2	bc-	60	55	6	4000	Cu	5	Ci	6	*
Cranwell	1026.4	-1	NNE	4	o-	60	45	8	2500	St.Cu	9	-	9	*
Gorleston	1024.9	0	NE'N	4	o	54	85	8	5750	St.Cu	9	-	9	*
Pulham	1025.0	0	NNE	4	o	56	65	9	1500	St.Cu	10	-	10	*
Felixstowe	1025.0	-1	NE'E	4	c	58	65	8	4000	St.Cu	5	A.St	7	*
Valencia (Cahirciveen)	1028.2	0	NNW	3	o-	61	75	9	2500	St.Cu	9	-	9	*
Roches Point	1027.6	-1	NNW	2	o	62	85	8	1500	St.Cu	10	-	10	*
Pembroke (St. Ann's H.)	1025.8	-1	NE	3	o	57	85	8	800	St	9	-	9	*
Ross-on-Wye	1025.3	0	ENE	4	o	59	65	8	4000	St.Cu	4	A.Cu	10	*
Benson	1025.1	-2	NE	3	bc	61	55	8	-	Cu	1	Ci.St	5	*
S. Farnborough	1024.2	-1	NE	3	c-	61	55	8	-	-	-	A.St	8	*
London (Kew Obsy)	1024.3	-2	NE	3	o	60	55	8	-	-	-	A.St	9	*
Croydon	1024.3	-1	NE'N	4	o⊕	60	55	8	2500	Cu	1	Ci.St	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1024.8	-1	E	4	c-	57	65	7	4000	St.Cu	7	-	7	*
Grain	1024.7	-1	ENE	5	o	58	65	8	2500	St.Cu	1	A.St	10	*
Lympne	1023.8	+1	NE'N	5	o⊕	57	65	9	2500	St	2	Ci.St	10	*
Scilly (St. Mary's)	1025.5	0	NE	2	c+	63	85	8	-	-	-	Ci.Cu	8	*
Falmouth	1024.0	0	NNE	5	o	67	55	8	-	St.Cu	3	A.St	10	*
Plymouth	1022.9	+1	ENE	4	o	63	75	7	2500	St.Cu	5	A.St	10	*
Portland Bill	1023.7	0	N	3	bc	59	92	7	-	-	-	A.St	6	*
Calshot	1023.8	0	NE'E	4	o	62	65	7	2500	St.Cu	3	A.St	10	*
Dungeness	1023.4	+1	NE	5	o	58	65	8	5750	Cu	2	Ci.St	10	*
Jersey	1022.0	0	ENE	4	o	64	75	8	2500	St.Cu	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	Cloud Low Form.	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1021.8	-4	W'N	4	o	47	75	8	4000	Cu.Nb	10	-	10	2
Stornoway	1025.9	-3	-	0	o	51	75	8	800	St.	10	-	10	0
Wick	1024.3	-3	S	1	c	49	75	8	-	-	-	A.St	7	0
Castlebay	1027.2	-2	NNW	3	c	51	65	7	7250	St	7	-	7	2
Nairn	1023.9	*	-	0	c	61	*	*	*	*	*	*	*	*
Aberdeen	1025.3	-3	S'E	3	b-	50	65	8	4000	St.Cu	3	·	3	0
Malin Head														
Renfrew	1025.7	-2	W	3	o	58	85	8	4000	Cu	2	A.St	9	*
Leith	1024.0	0	SE	2	o	59	45	8	-	-	-	A.St	10	*
Eskdalemuir	1024.8	-3	SW	3	c⊕	56	55	7	4000	Cu	3	Ci.St	8	*
Tynemouth	1026.8	-1	NE	2	c+	53	65	8	2500	St.	3	Ci.Cu	7	4
Blacksod Point	1028.4	-1	NW	2	b	56	65	7	1500	Cu	2	Ci.Cu	3	0
Donaghadee	1026.3	-2	SE	1	c	56	65	8				Ci.Cu	2	0
Birr Castle	1026.4	*	NW	1	c+	65	65	7	2500	Cu	5	Ci	8	*
Baldonnell	1026.8	-4	E	1	bc	58	75	7	-	-	-	Ci.St	4	*
Holyhead	1026.1	-1	N	4	o	55	75	8	-	-	-	Ci	10	4
Liverpool (Bidston)	1024.9	-1	NW'N	3	b	57	65	8	-	-	-	A.St	2	4
Manchester (Alex. Pk.)	1025.0	-1	NE	3	o	58	55	9	2500	St.	1	A.St	9	*
Howden	1025.7	-1	NNE	2	c-	54	65	8	2500	St.Cu	3	Ci.St	8	*
Spurn Head	1025.2	-1	N	4	bc-	55	97	8	2500	St.	2	Ci	4	2
Nottingham	1025.0	*	NNE	2	bc	58	85	6	4000	Cu	2	Ci	6	*
Cranwell	1025.4	-1	NE'N	3	c	55	55	8	4000	Cu	7	A.St	8	*
Gorleston	1024.0	-1	NNE	4	o	55	85	8	5750	St.Cu	9	-	9	3
Pulham	1024.5	-1	N	3	o	53	65	9	<150	Cu.Nb	9	-	9	*
Felixstowe	1024.2	-1	N	4	bc-	55	65	9	2500	St.Cu	5	Ci.St	6	3
Valencia (Cahirciveen)	1027.5	-1	NNW	5	bc	59	75	9	2500	Cu	1	Ci.Cu	4	0
Roches Point	1026.1	-1	SE	2	c-	62	75	8	4000	Cu	4	Ci.St	8	0
Pembroke (St. Ann's H.)	1025.1	-1	NNE	3	o	58	85	8	5750	Cu	5	Ci.St	10	1
Ross-on-Wye	1023.8	-2	E	2	o+	60	55	8	4000	St.Cu	9	A.St	10	*
Benson	1023.6	-2	NNE	2	b	63	45	8	-	-	-	-	0	*
S. Farnborough	1022.9	-2	N	3	b	62	45	9	4000	Cu	2	-	2	*
London (Kew Obsy)	1023.2	-1	NNE	3	b	62	45	8	5750	Cu	1	-	1	*
Croydon	1023.4	0	E	4	o-	58	85	5	4000	St.Cu	1	Ci.St	9	*
Clacton-on-Sea	1023.9	0	NNE	4	b	56	75	7	2800	Cu	3	A.St	5	0
Shoeburyness	1023.5	-1	NE	3	bc+	53	75	8	-	-	-	A.Cu	5	*
Grain	1023.9	0	ENE	5	b	55	65	9	5750	Cu	2	Ci	3	3
Lympne	1023.4	0	NE	5	b	53	75	9	-	-	-	Ci	2	*
Scilly (St. Mary's)	1026.2	0	N	2	bc-	59	75	7	-	-	-	A.Cu	5	2
Falmouth	1023.7	-1	ENE	2	opr₀	58	92	6	-	Cu.Nb	10	-	10	*
Plymouth	1022.8	0	ENE	3	o	60	85	7	2500	St.Cu	10	-	10	*
Portland Bill	1023.7	0	N	2	bc	59	92	7	1500	St.Cu	6	-	6	0
Calshot	1022.9	-1	NE	4	b	64	55	8	5750	St.Cu	2	-	2	0
Dungeness	1022.5	0	NE	5	b	56	75	9	-	-	-	Ci	2	5
Jersey	1021.6	0	NE	4	bc-	60	75	8	-	-	-	Ci.St	6	3

London Observations (24 Hours ended 0900 G.M.T. 19th; 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 Day mm	Rainfall Night mm	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. %
Kew	ooy	oyby	oybcb	*	*	~~29~~	-	-	5.5	*	*
Croydon (24 hours ended 0700)	oby	ocbcy	bcow⊕	*	*	30	-	-	*	*	*
Greenwich (Royal Obsy.)	o⊕	c	co	68	37	=22	-	-	3.8	44	54
City (Bunhill Row)	*	*	*	*	*	*				*	*
Westminster (St. James' Pk.)	*	*	*	66	43	—				-	56
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*			6.0	*	*
Camden Sq. (Brit. Rainfall)	mo	cbc	*	69	42	40	-	-	*	54	57
Kensington Palace	o.bc	bc	*	66	40	38	-	-	*	(18)	58
Hampstead Observatory	*	*	*		40	27				*	

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

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom. 19th to 20th June 1921.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.31 3.31	11.54 11.54	8.17 8.17
Greenwich	3.44 3.44	12.1 12.1	8.18 8.18
Wick	3.7 3.7	12.13 12.13	9.19 9.19
Valencia	4.22 4.22	12.42 12.42	9.2 9.2

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.
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"; bc = cloud 0-5; oc = cloud 6-10.

Capital letters indicate intensity, 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, 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.	Metres per second.
0	Less than 1.	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

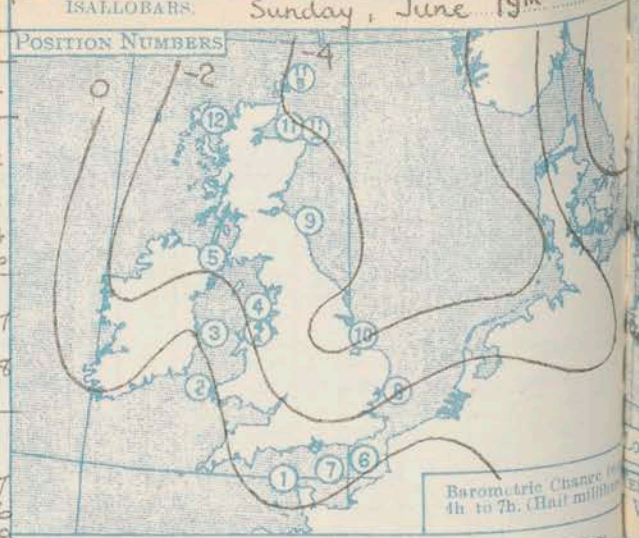
* Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 15h.	13h.-18h. 15h.	18h.-15h. to 1h. 19h.	1h.-7h. 19h.	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL. Day. 7h.-18h.	Night. 18h.-7h.	Precipitation began.	SUN. Hours.
Lerwick	c	oo	c	r or d	49	44	•	–	1	–	•
Stornoway	c	oo	oo	r or d	54	49	•	–	3	–	6.2
Wick	c	c	oo	id.	52	45	•	–	0.2	- 0330	•
Castlebay	b.o	oc	id.		53	49	•	–	0.4	–	6.8
Nairn	bc	bcbcc	cg p		58	46	•	–	1	*	7.4
Aberdeen	c	c	co ir.		56	47	42	–	trace	- 0630	8.6
Malin Head	bbc12c	co	oo	opr ir.	61	47	46	–	1	0130	10.7
Renfrew	b or bc		p		60	48	47	–	1	–	•
Leith	b or bc	cy	c	ir.	58	43	38	–	0.4	–	9.8
Eskdalemuir	c	b or bc	c im	c im	54	45	•	–	–	–	•
Tynemouth	b or bc	b or bc	c	00	59	48	•	–	–	–	•
Blacksod Point ...	bc	bc	om	omir	58	49	•	–	0.4	- 0530	•
Donaghadee	c	c	c		67	47	43	–	–	–	8.7
Birr Castle	c	b or bc		00	60	47	46	–	–	–	6.6
Baldonnell	oc	co	oo	oo	61	50	46	–	–	–	7.9
Holyhead	b bc	b or bc	c		62	50	41	–	–	–	7.0
Liverpool (Bidston) ...	c	c	c		63	41	37	–	–	–	•
Manchester (Alex.Pk.)											
Howden	oo	c	c	oo	? 59	40	28	–	–	–	5.7
Spurn Head	c	c	c	c	57	46	•	–	–	–	•
Nottingham	c	c	c		62	42	35	–	–	–	6.8
Cranwell	b or bc	c	c	c	60	38	35	–	–	–	5.7
Gorleston	c	c	oo	b or bc	56	41	40	–	–	–	4.3
Pulham	oo	c	oo	c	60	41	33	–	–	–	4.5
Felixstowe	c	c	c	b or bc	60	41	•	–	–	–	7.6
Valencia (Cahirciveen)	c	b or bc	c	c	64	49	39	–	–	–	9.6
Roches Point	oo	c	c		69	51	•	–	–	–	•
Pembroke (St. Ann's H.)	c	c	b or bc	c	63	48	•	–	–	–	3.7
Ross-on-Wye	oo	cbbco	ocbcb	bcbrcoo	64	42	36	–	–	–	2.1
Benson...	c	b or bc	b or bc		64	34	26	–	–	–	•
S. Farnborough ...	oo	c	c		65	35	32	–	–	–	4.3
London	ooy	oyby	oybc	bcb	63	43	29	–	–	–	5.5
Croydon	oby	ocbcy	bcobc	bcorc	64	36	30	–	–	–	•
Clacton-on-Sea ...	oc	bc	bcc	c	60	40	35	–	–	–	7.4
Shoeburyness	c	c	b or bc		61	37	28	–	–	–	5.0
Grain	oo	b or bc	b or bc		59	34	27	–	–	–	6.0
Lympne	oq	ocbc	bbcq	cbcbbc	57	39	29	–	–	–	6.2
Scilly (St. Mary's) ...	b or bc	c	b or bc	b or bc	66	55	•	–	–	–	11.6
Falmouth	bcbco	ogopm	oo	oc	69	51	46	trace	–	–	4.5
Plymouth	c	oo	c	c	67	48	42	–	–	–	3.9
Portland Bill	c	c	c	b or bc	65	55	•	–	–	–	•
Calshot	oo	b or bc	b or bc	b or bc	64	46	40	–	–	–	1.1
Dungeness	c	b or bc	b or bc	c	59	40	•	–	–	–	6.3
Jersey	bcro	oc	c	cb	70	51	•	–	–	–	2.0

ISALLOBARS. Sunday, June 19th 1921.



Temperature reported from Cross Channel and Coastal Steamers

Position Number.	7	3	6
Date	18	18	19
Time G.M.T.	0245	1630	0300
Sea ° F	56	52	57
Air ° F	60	53	56

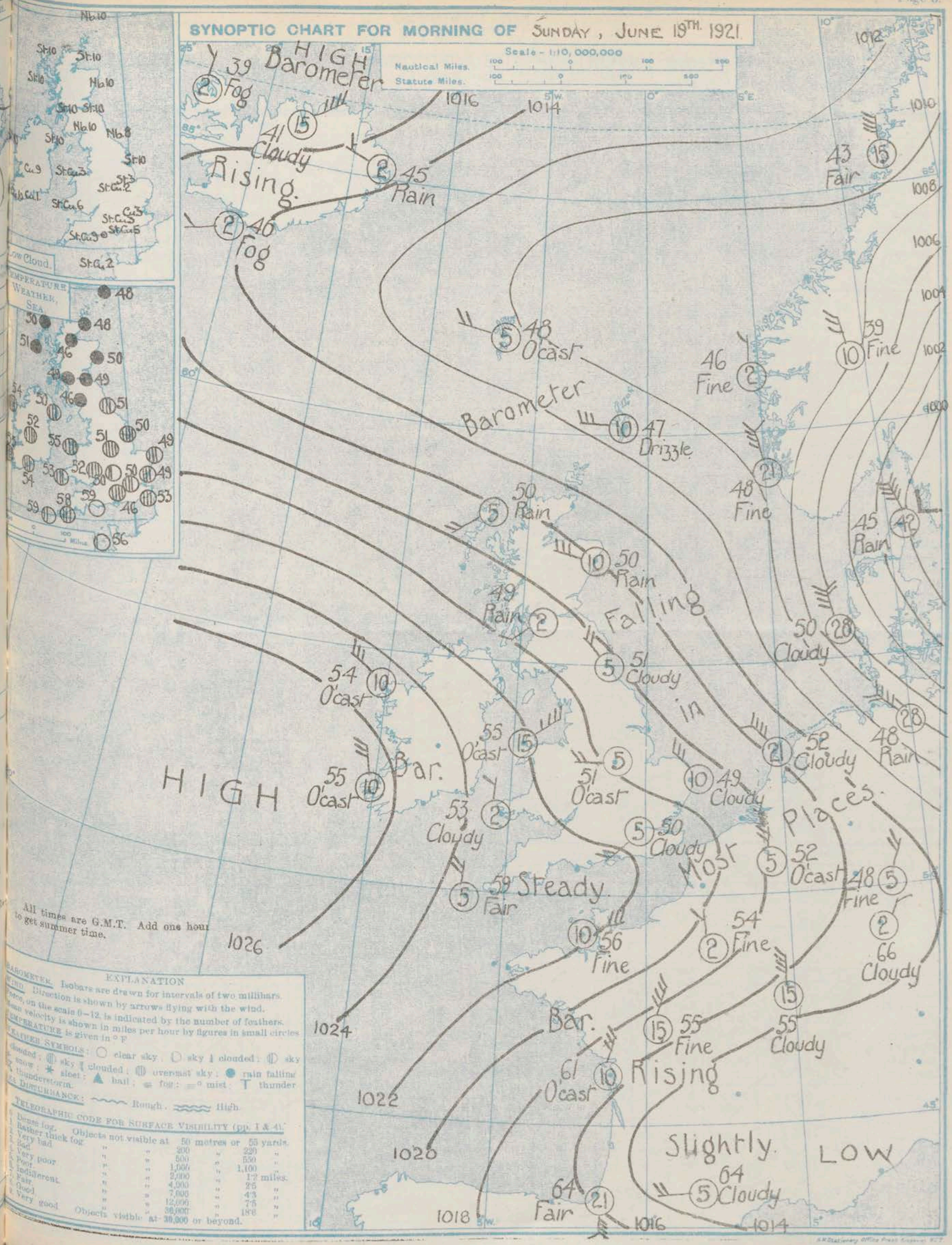
GENERAL INFERENCE.

The anticyclone to the South-West of the British Isles is moving away Southwards and a depression North-West of Scotland is moving South-East. Cool unsettled weather is likely for the next day or two in all districts.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Sunday, 19th June, 1921.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Wind between North-West and West, light to moderate. Cloudy or overcast, some rain later. Visibility good. Cool.	Cool and unsettled with winds between West and North
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland	Wind between N.W. and W. moderate to fresh, strong in places. Dull, some rain or drizzle. Visibility fair. Cool.	
19. S.E. Ireland 20. S.W. Ireland	Wind between N and N.W., moderate. Cloudy some showers later. Visibility good. Cool.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 17.30 GMT. G. C. SIMPSON, F.R.S., Director.

Pc 3123/369 m 1/2 0 921 24750 6/21


SYNOPTIC CHART FOR MORNING OF SUNDAY, JUNE 19TH 1921.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
HIGH
Barometer
Rising.
Barometer
Falling
in
Most
Places.
Steady.
Slightly
LOW
HIGH
Bar.
Bar.
Rising
39 Fog
41 Cloudy
45 Rain
46 Fog
48 O'cast
47 Drizzle
50 Rain
50 Rain
49 Rain
51 Cloudy
54 O'cast
55 O'cast
55 O'cast
51 O'cast
53 Cloudy
50 Cloudy
49 Cloudy
52 Cloudy
52 O'cast
59 Fair
56 Fine
54 Fine
55 Fine
55 Cloudy
61 O'cast
64 Fair
64 Cloudy
48 Fine
46 Fine
43 Fair
39 Fine
45 Rain
50 Cloudy
48 Rain
48 Fine
66 Cloudy
1012
1010
1008
1006
1004
1002
1000
1016
1014
1026
1024
1022
1020
1018
1016
1014
Low Cloud.
TEMPERATURE
WEATHER.
SEA
All times are G.M.T. Add one hour to get summer time.
EXPLANATION
BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Direction is shown by arrows flying with the wind. Force, on the scale 0–12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in ° F.
CLOUDS. SYMBOLS: clear sky; sky ¼ clouded; sky clouded; sky ¾ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
SEA DISTURBANCE: Rough. High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY (pp. 1 & 4).
Dense fog. Objects not visible at 50 metres or 55 yards.
Rather thick fog " " 200 " 220 "
Very bad " " 500 " 550 "
Bad " " 1,000 " 1,100 "
Very poor " " 2,000 " 1·2 miles.
Poor " " 4,000 " 2·5 "
Indifferent " " 7,000 " 4·3 "
Fair " " 12,000 " 7·5 "
Good " " 30,000 " 18·6 "
Very good Objects visible at 30,000 or beyond.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION... SUNDAY 19th JUNE ... 1921. No. 170

Observations at 0100 G.M.T. 19

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	1015.5	-4	W	4	0	48	92	7	-	Nb	10	-	10	*
Stornoway	1023.2	-4	W	3	c0	*	*	6	*	*	*	*	*	*
Wick	1018.5	-5	WSW	2	0	47	85	9	5750	StCu	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head														*
Renfrew	1021.9	-5	WSW	3	0	50	78	8	2800	StCu	7	AStr	10	*
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1022.1	-3	WNW	2	C	47	65	7	4000	St	8	-	8	*
Tynemouth	1021.2	-4	SW	1	bc-	46	85	6	-	-	-	AStr	6	*
Blacksod Point	1026.6	-2	NW	1	b	51	95	8	-	-	-	ACu	5	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell														*
Holyhead	1024.1	-2	N	3	0+	*	*	8	1800	StCu	10	-	10	*
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1022.4	-4	-	0	b	40	97	6	5750	StCu	2	CiSt	3	*
Spurn Head	1022.9	-2	N	3	bc	53	95	8	4000	St	2	ACu	5	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1023.6	-3	W'S	3	b	40	92	7	-	-	-	AStr	2	*
Gorleston	1021.5	-2	NNW	3	C-	47	97	8	5750	StCu	7	-	7	*
Pulham	1022.4	-2	W	1	0-	44	92	6	4000	Cu	10	-	10	*
Felixstowe	1023.8	-1	NNW	2	bc-	45	75	8	4000	StCu	4	AStr	6	*
Valencia (Cahirciveen)	1027.4	0	NNW	2	b	52	*	8	-	-	-	Ci	3	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1024.6	0	N	3	b	50	85	8	-	-	-	-	0	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obs.)	1023.0	-2	*	*	*	45	*	*	*	*	*	*	*	*
Croydon	1023.5	-2	-	0	bc	40	92	8	-	-	-	Ci	4	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1022.0	-2	NE	1	C+	44	92	8	-	-	-	Ci	8	*
Scilly (St. Mary's)	1024.5	0	NE'N	1	bc	55	97	8	-	-	-	ACu	4	*
Falmouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plymouth	1023.2	0	NW	2	C-	56	85	8	5750	StCu	2	AStr	7	*
Portland Bill	1023.7	0	E	2	bc	57	92	8	-	-	-	ACu	4	*
Calshot	1023.3	0	ENE	3	0	52	75	8	5750	StCu	10	-	10	*
Dungeness	1022.0	-1	NNE	2	bc+	46	83	9	-	-	-	ACu	6	*
Jersey (Guernsey lh.)	1022.5	+1	NE	3	bc	54	85	9	-	-	-	ACu	5	*

Observations at 0700 G.M.T. 19

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	1011.8	-5	W'N	3	odd	47	97	6	4000	Nb	10	-	10	2
Stornoway	1017.0	-3	SW	2	0rr	50	92	6	450	St	10	-	10	1
Wick	1014.1	-4	NW	2	0r+	48	97	6	800	St	10	-	10	0
Castlebay	1019.3	-2	WNW	4	od.	51	92	7	2800	St	10	-	10	3
Nairn	1016.1	*	-	0	odg	46	*	*	*	*	*	*	*	1
Aberdeen	1016.9	-3	WNW	3	0r.	50	85	8	2800	Nb	10	-	10	0
Malin Head														*
Renfrew	1019.3	-3	SW	1	0r.r.	49	92	8	800	St	10	-	10	*
Leith	1016.6	-1	SSE	4	0r.r.	49	92	7	-	St	10	-	10	*
Eskdalemuir	1019.2	-2	NW	3	0r+	46	85	6	4000	Nb	10	-	10	*
Tynemouth	1018.1	-2	NW	2	C+	51	65	7	5750	Nb	8	-	8	1
Blacksod Point	1024.2	-2	NW	3	0	54	75	8	450	St	10	-	10	1
Donaghadee	1021.3	-2	SW	2	0/r	50	92	8	450	St	10	-	10	0
Birr Castle	1024.8	*	WNW	3	0	52	85	7	2800	Cu	9	-	9	*
Baldonnell	1023.6	0	W	2	0r.	52	75	8	1500	St	6	AStr	10	*
Holyhead	1022.0	-2	NE	4	0	55	92	8	2500	StCu	3	AStr	10	1
Liverpool (Bidston)	1020.6	-2	WNW	4	0	52	75	7	1500	St	10	-	10	4
Manchester (Alex.Pk.)	1020.2	-4	WNW	3	0	54	65	8	2500	StCu	2	ACu	10	*
Howden	1018.6	-3	W	2	0	50	85	7	4000	St	5	AStr	10	*
Spurn Head	1018.8	-4	W	5	0	50	75	7	450	St	10	-	10	3
Nottingham	1019.8	*	W	2	0	51	75	5	4000	StCu	2	CiSt	10	*
Cranwell	1020.1	-4	W'S	4	C+	48	85	8	4000	St	3	AStr	10	*
Gorleston	1019.0	-3	NW	3	C+	49	92	8	-	-	-	CiCu	7	0
Pulham	1020.0	-2	W	2	0	48	75	7	4000	Cu	10	-	10	*
Felixstowe	1020.1	-2	NNW	4	C	50	75	9	-	-	-	CiSt	7	2
Valencia (Cahirciveen)	1026.7	0	NNW	3	0	55	85	9	2500	StCu	10	-	10	0
Roches Point	1025.9	0	NW	4	C	54	85	8	4000	Cu	1	CiSt	7	0
Pembroke (St. Ann's H.)	1023.5	0	N	1	C-	53	85	8	7250	StCu	6	ACu	8	1
Ross-on-Wye	1021.2	-2	SSW	2	0⊕	52	75	7	-	-	-	Ci	9	*
Benson	1021.1	-2	-	0	bc	50	75	7	-	-	-	CiSt	5	*
S. Farnborough	1021.8	-2	NSW	1	0	46	85	8	2500	StCu	3	CiSt	9	*
London (Kew Obs.)	1021.5	-1	SW	2	C-	50	65	8	4000	Cu	3	CiSt	8	*
Croydon	1021.7	-1	NNW	1	0⊕	50	65	8	-	-	-	CiSt	10	*
Clacton-on-Sea	1020.4	0	WNW	3	C	49	92	8	-	-	-	Ci	7	0
Shoeburyness	1020.9	-1	SE	1	bc	50	65	8	-	-	-	CiSt	6	*
Grain	1020.5	-1	N	3	C	50	65	8	-	-	-	Ci	8	0
Lympne	1020.3	-1	NNW	3	c⊕	50	55	9	-	-	-	CiSt	8	*
Scilly (St. Mary's)	1023.8	0	N	2	bc	59	85	8	-	-	-	CiSt	5	1
Falmouth	1023.2	0	NNW	4	C	58	85	8	-	-	-	ACu	7	*
Plymouth	1023.0	+1	-	0	0	54	85	8	4000	StCu	9	-	9	0
Portland Bill	1022.4	-2	E	2	b	59	92	8	-	-	-	-	0	0
Calshot	1021.9	-2	-	0	C+	54	75	8	4000	StCu	5	AStr	8	0
Dungeness	1020.5	0	N	3	C	53	65	9	-	-	-	CiCu	7	3
Jersey (Guernsey lh.)	1022.4	0	ENE	3	b	56	65	8	2800	StCu	2	-	2	0

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

Stations	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day °F.	Temperature. Min. Night. °F.	Rainfall.† Night 17h.-9h. 17-18 mm.	Rainfall.† Day 9h.-17h. 18 mm.	Sunshine. Sunrise to 17h. 18 hr.	Sunshine. Sunrise to Sunset. 17 hr.
Banff	bc	bcco	52	45	-	-	7.6	4.4
Montrose	cbc	c	54	43	-	-	7.9	7.8
Llandudno	oc	b.bc	60	52	-	-	5.7	8.1
Colwyn Bay	b	b	60	51	-	-	5.2	8.6
Rhyl	cbcc	bc	62	50	-	-	5.3	9.4
Southport	cbc	b.bc	62	49	-	-	7.6	9.5
Blackpool	cbc	c	61	49	-	-	8.2	7.6
Harrogate	c.bc	bc.b	69	45	-	-	6.9	10.6
Skegness	co	o	56	51	-	-	3.7	11.8
Aberystwyth	ocb	bc.c	59	50	-	-	2.5	10.3
Bath	o	oc.bc	63	53	-	-	0.9	11.0
Leamington Spa								
Lowestoft	bc.c	c	55	51	9	-	3.7	12.8
Felixstowe	c	bc	59	52	-	-	6.2	14.4
Southend	o	c.bc	63	54	-	-	3.4	12.5

Stations	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day. °F.	Temperature. Min. Night. °F.	Rainfall.† Night 17h.-9h. 17-18 mm.	Rainfall.† Day 9h.-17h. 18 mm.	Sunshine. Sunrise to 17h. 18 hr.	Sunshine. Sunrise to Sunset. 17 hr.
Paignton	bco	odp	65	56	-	trace	2.6	12.4
Ilfracombe	ocr	co	60	55	-	0.1	2.8	12.5
Bude	bcbcb	bbco	69	53	-	-	5.1	12.8
Penzance	bbc.c	c.bc	67	58	-	-	7.6	13.6
Torquay	bcc	od.c	63	57	-	0.1	2.9	12.5
Weymouth	o	o	67	55	-	-	1.0	12.0
Bournemouth	-	-	61	53	-	-	0.0	12.7
Portsmouth (S'thsea)	-	-	65	55	-	-	0.1	12.8
Worthing	oc	c	63	56	-	-	1.4	14.0
Brighton	o	oc	65	58	-	-	2.2	13.4
Eastbourne	o	ococ	63	57	-	-	0.0	13.5
Hastings	o	oc.bc	60	56	-	-	2.4	14.4
Folkestone	o	cbcb	62	53	-	-	3.2	3.7
Tunbridge Wells	oc	cbcb	62	54	-	-	3.4	13.3
Ramsgate	-	-	56	52	-	-	3.3	11.6
Margate	o	cbc.b	56	53	-	-	2.7	10.7
Deal	coo	bc.b	65	53	-	-	4.0	13.6

* 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.21760 MONDAY 20th JUNE 1921. 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	1011·7	0	NE	2	c-	51	85	7	7250	StCu	8	-	8	*
Stornoway	1014·9	-2	W	3	d₀d₀	53	97	5	450	St.	10	-	10	*
Wick	1011·8	-2	NW	2	o/r	54	85	8	4000	StCu	10	-	10	*
Castlebay	1017·5	0	WNW	4	od₀	53	92	3	800	St.	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1013·9	-2	NW'W	4	o/r	57	75	8	2500	Nb	10	-	10	*
Malin Head														*
Renfrew	1016·6	-2	WSW	3	o/r	55	85	8	1500	StCu	10	-	10	*
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1016·0	-2	NW	4	o	54	75	8	4000	St	10	-	10	*
Tynemouth	1015·4	-1	NNW	1	o	55	75	8	4000	St.	10	-	10	*
Blacksod Point	1024·0	0	NW	3	o	56	85	6	450	St.	10	-	10	*
Donaghadee	1018·9	-1	NW	3	o/r	56	75	8	4000	StCu	10	-	10	*
Birr Castle														*
Baldonnell	1021·8	-2	W'N	5	o	49	75	8	2500	StCu	10	-	10	*
Holyhead	1020·4	-2	W'N	4	or+	54	97	8	2500	StCu	10	-	10	*
Liverpool (Bidston)	1018·6	-2	W'N	5	o/r	52	75	7	800	Nb	10	-	10	*
Manchester (Alex.Pk.)	1018·0	-2	WNW	4	or	53	75	8	800	St.	10	-	10	*
Howden	1018·6	0	NW'W	5	c	55	75	8	4000	St.	8	-	8	*
Spurn Head	1016·6	-2	N	3	c	56	85	8	1500	StCu	8	-	8	*
Nottingham	1017·9	*	W	3	pr₀	56	65	5	2500	Nb	6	A.St	10	*
Cranwell	1017·7	-2	WNW	5	o	56	65	8	2500	Cu	10	-	10	*
Gorleston	1017·2	-4	N'E	4	o+	59	85	8	-	-	0	A.St	10	*
Pulham	1016·2	-2	NW	3	o	60	55	9	2500	StCu	2	A.St.	10	*
Felixstowe	1016·8	-2	NW'N	4	o	61	55	8	4000	Cu	3	A.St.	10	*
Valencia (Cahirciveen)	1026·2	0	NNW	4	o	58	75	8	1500	StCu	9	-	9	*
Roches Point	1024·0	0	NW	5	c	62	75	8	4000	Cu	5	Ci	7	*
Pembroke (St. Ann's H.)	1021·9	-1	NW	3	c	57	75	8	5750	Cu	2	Ci.St	8	*
Ross-on-Wye	1019·2	-2	WNW	4	br₀	61	55	8	2500	Nb	4	A.St	10	*
Benson	1019·0	-1	NNW	3	o	57	65	7	-	StCu	10	-	10	*
S. Farnborough	1019·3	-1	NW	4	or₀	58	65	8	1500	St.Cu	10	-	10	*
London (Kew Obsy)	1018·2	-2	NW	3	o	59	55	8	2500	St.Cu	8	A.St.	10	*
Croydon	1018·7	-2	W	3	or₀	57	65	9	1500	Nb	9	A.St	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1016·9	-4	NW	1	o+	61	55	7	4000	Cu	1	A.St.	10	*
Grain	1017·2	-3	WNW	4	o	60	55	8	5750	StCu	1	A.St	10	*
Lympne	1017·6	-2	WNW	4	o	59	65	8	4000	Cu	4	A.St	10	*
Scilly (St. Mary's)	1023·1	0	NW	4	bc	64	65	8	4000	Cu	1	Ci.St.	5	*
Falmouth	1022·0	-1	NW	4	c-	63	65	7	-	Cu	4	Ci.Cu	6	*
Plymouth	1021·2	-1	NNW	4	c	62	65	9	4000	StCu	5	A.Cu	8	*
Portland Bill	1020·5	-2	W	4	o+	59	95	8	<150	St.	10	-	10	*
Calshot	1019·6	-2	NW'N	4	o⊕	59	55	8	4000	StCu	5	A.St.	10	*
Dungeness	1017·7	-3	SW	4	o+	60	55	9	1500	St.	9	-	9	*
Jersey	1021·5	0	NW	4	o	60	55	8	-	-	-	Ci.St	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	1010·6	+1	WNW	2	c	51	85	8	7250	StCu	8	-	8	1
Stornoway	1014·8	0	WNW	5	o/r	53	85	7	4000	StCu	9	-	9	4
Wick	1011·6	0	NW	2	o	53	92	8	5750	StCu	10	-	10	0
Castlebay	1017·3	0	NW	4	odd	52	97	5	800	St.	10	-	10	3
Nairn	1012·6	*	WNW	4	[illegible]	54	*	*	*	*	*	*	*	*
Aberdeen	1012·8	-1	NWW	3	o-	57	75	8	2500	Nb	10	-	10	0
Malin Head														
Renfrew	1015·0	-2	SW	3	o	55	85	8	1500	StCu	10	-	10	*
Leith	1013·3	-3	W	3	o/r	58	75	8	2500	StCu	5	A.St	10	*
Eskdalemuir	1015·0	-2	WNW	4	o	54	85	7	1500	St	10	-	10	*
Tynemouth	1013·8	-1	NE	2	o/r	54	85	8	4000	StCu	10	-	10	3
Blacksod Point	1024·4	0	NW	3	o	56	92	6	450	St.	10	-	10	0
Donaghadee	1017·8	-1	WNW	4	o	58	85	8	4000	CuNb	9	-	9	6
Birr Castle		*												*
Baldonnell	1021·2	0	W'N	4	ov	59	75	9	2500	StCu	10	-	10	*
Holyhead	1019·0	-2	NW'W	4	o	57	85	8	2500	StCu	10	-	10	1
Liverpool (Bidston)	1017·5	-2	W'N	4	o/r	54	85	9	800	St	10	-	10	4
Manchester (Alex.Pk.)	1017·2	-1	WNW	3	odd	53	85	5	1500	St	10	-	10	*
Howden	1015·0	-2	WNW	3	o	56	85	8	2500	StCu	7	A.St	10	*
Spurn Head	1015·1	-1	WNW	3	o	56	92	8	1500	StCu	9	-	9	3
Nottingham	1016·7	*	W	2	o	53	92	4	2500	Nb	7	Ci.St	10	*
Cranwell	1016·8	-2	WSW	4	c	53	92	7	2500	Nb	8	-	8	*
Gorleston	1016·4	-1	N'E	3	orr	56	92	8	4000	CuNb	10	-	10	2
Pulham	1015·2	-1	NW	2	o	56	75	8	2500	StCu	2	A.St	10	*
Felixstowe	1016·5	0	NW	3	o	57	65	8	2500	StCu	5	A.St	10	1
Valencia (Cahirciveen)	1026·1	0	NNW	4	c-	60	75	8	2500	StCu	8	-	8	0
Roches Point	1023·3	0	NW	5	c	62	85	8	2500	StCu	7	-	7	3
Pembroke (St. Ann's H.)	1021·3	-1	W	2	c·	56	85	9	-	-	-	A.Cu	8	1
Ross-on-Wye	1018·5	0	NW	3	o	57	65	9	2500	Nb	10	-	10	*
Benson	1017·4	-1	NW	2	o	59	65	8	-	StCu	10	-	10	*
S. Farnborough	1017·7	-1	WNW	3	o	57	65	8	2500	StCu	6	A.St	9	*
London (Kew Obsy)	1017·2	-1	NW	3	o	59	55	8	4000	StCu	6	A.St	10	*
Croydon	1017·9	-1	NNW	3	o/r	56	65	8	2500	St.	7	A.St	10	*
Clacton-on-Sea	1016·2	0	WNW	4	o	57	65	7	-	-	-	A.St	10	0
Shoeburyness	1016·7	-1	NNW	3	o	57	65	6	2500	StCu	7	A.St	10	*
Grain	1016·7	0	NW	4	o/r	59	55	8	2500	StCu	10	-	10	0
Lympne	1016·9	-1	NW	2	o/r	55	75	9	2500	St	8	A.St	10	*
Scilly (St. Mary's)	1023·0	0	NNW	2	c-	58	85	8	5750	StCu	8	-	8	3
Falmouth	1021·5	-2	NNW	4	b	61	65	8	-	Cu	2	-	2	*
Plymouth	1020·5	-1	NNW	5	bc-	61	55	8	4000	StCu	2	A.Cu	6	*
Portland Bill	1019·0	-3	WNW	4	o	59	92	8	-	-	-	-	0	3
Calshot	1018·0	-1	NW	1	o/r	61	55	8	4000	St.	8	A.St	10	0
Dungeness	1016·6	-2	N	4	o	58	65	9	1500	St.	10	-	10	3
Jersey	1019·7	-1	NW	4	o	61	65	8	-	-	-	A.Cu	9	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 Day mm	Rainfall Night mm	Sunshine to Sunset hrs	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. %
Kew	coyboq	oy	or₀id₀	*	*	51	-	0.3	2.5	*	*
Croydon (24 hours ended 0700)	yr₀	or₀or₀ir₀	omd₀d₀	*	*	50	tr.	0.3	*	*	*
Greenwich (Royal Obsy.)	o	od	od	63	51	50	-	1	2.8	54	79
City (Bunhill Row)	*	*	*	*	*	*			5.2	*	*
Westminster (St. James' Pk.)	*	*	*	62	53	50		1	5.4	57	85
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*				*	*
Camden Sq. (Brit. Rainfall)	-	-	*	64	53	51	-	1	*	-	83
Kensington Palace	o	o	*	62	52	52	-	1	*	61 (18h.)	76
Hampstead Observatory	*	*	*			*				*	

ATMOSPHERIC POLLUTION. Lbs. of Solid impurity per million cubic yards.
24 Hr. ended 1800 G.M.T. 19th

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.

SOLAR RADIATION. Vertical component per square centimetre.
During yesterday.
South Kensington.
Total 2043 joules
Average Rate 34·2 Milliwatts.
Maximum Rate 87 Milliwatts.

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

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

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.
20th and 21st June 1921.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.31 3.31	11.54 11.54	8.17 8.17
Greenwich	3.44 3.44	12.1 12.1	8.18 8.18
Wick	3.7 3.7	12.13 12.13	9.19 9.19
Valencia	4.22 4.22	12.42 12.42	9.2 9.2

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.
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"; bc = cloud 0-5; co = cloud 6-10.

Capital letters indicate intensity, 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, 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.	Metres per second.
0	Less than 1.	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

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

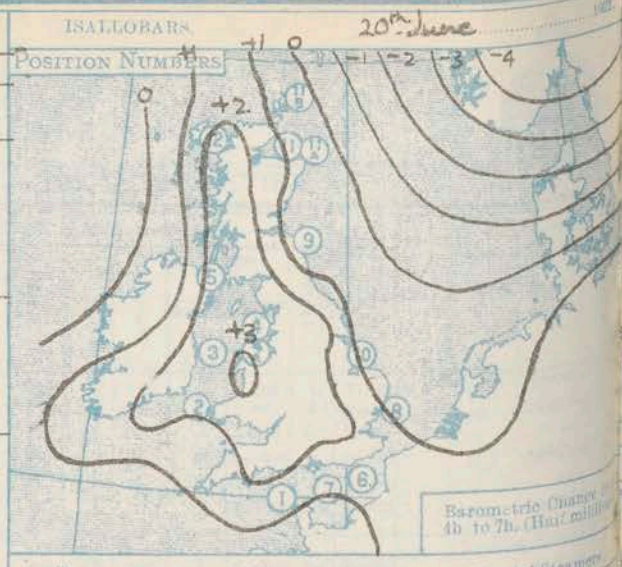
M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 19th	13h.-18h. 19th	18h. 19th to 1h. 20th	1h.-7h. 20th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h.	Night. 18h.-7h.	Precipitation began.	SUN. Hours.
Lerwick	oo	c	r or d	c	54	42	•	–	–	–	•
Stornoway	r or d	r or d	c	p	54	47	•	1	1	– –	0.5
Wick	om ir	oo	om	ro ro m	54	44	•	2	2	•	
1 Castlebay	idp m	dpmdp	idopc	cid p	53	50	•	1	0.3	1330	0.0
Nairn	dc bc	bcopc	cg		60	45	•	0.3	–	–	0.0
1 Aberdeen	ir o	op o	opc	ood	57	49	45	1	0.3	2400	0.0
Malin Head							•				
Renfrew	r or d	p	ocbcb	ocbbc	57	50	43	4	–	–	0.0
Leith		p	0.0		59	48	46	1	–	–	•
Eskdalemuir	oo	id o	c	borbc	54	48	45	1	–	•	0.2
Tynemouth	p o	ir	imid	ir	56	52	•	trace	trace	2400	•
Blacksod Point ...	oo	oo	0.0	r or d	?56	51	•	–	trace	0230	•
Donaghadee	om ir	bcq	bcq	cq	60	52	•	0.4	–	0900	•
Birr Castle			c		62	53	50	–	–	•	2.4
Baldonnell	oo	oo	c	oo	62	52	52	–	–	–	1.5
Holyhead	or or	ro	or ro	oid	57	53	53	0.5	0.4	1100.	0.0
Liverpool (Bidston) ...	oo	oo	p		55	52	51	0.2	1	–	0.0
Manchester (Alex. Pk.)	opr	imd d	r or d		56	53	51	1	0.1	–	•
Howden	p	oo	0.0	r or d	58	52	50?	–	0.1	2400	0.1
Spurn Head	c	c	0.0	0.0	60	52	•	–	–	•	•
Nottingham	p o	p o	r or d		58	53	51	trace	0.5	1100:2400	0.5
Cranwell	p o	d o	id	r or d	?	52	51	trace	–	1100:2400	0.1
1 Gorleston	c	or ro	0.0	0.0	60	49	49	trace	–	1730	2.9
Pulham	oo	oo	0.0	c	?	50	50	–			2.4
Felixstowe	oo	oo	0.0	0.0	62	53	*	–	–		3.1
Valencia (Cahirciveen)	oo	c	0.0	c	60	53	51	–	–	–	3.8
Roches Point	c	c	c		60	54	•	–	–	–	•
Pembroke (St. Ann's H.)	oo	c	0.0	oo	61	53	•	–	–	–	5.7
Ross-on-Wye	oo	op o	op o		64	54	54	–	0.2	0530	0.1
Benson...	oo	oo	ro o		61	52	49	–	0.4	2400	•
S. Farnborough ...	oo	oo	ro ro		61	51	51	trace	0.4	1100:0230	0.2
London (Kew Obsy)	coyoyboy	oy	or id o	o	61	52	51	–	0.3	2400	2.5
Croydon	y ir	or ro ir	0.0	oimid	61	51	50	trace	0.3	1730	•
Clacton-on-Sea ...	cog		0.0		62	52	51	–	–	–	3.6
Shoeburyness	c	oo	0.0		62	51	50	–	–	–	4.6
Grain	oo	r or d	ir		61	51	32	trace	trace	1430	4.3
Lympne	bbccy	oir	oir	oo	60	48	44	–	trace	–	5.3
Scilly (St. Mary's) ...	b or bc	b or bc	bor bc	c	65	55	•	–	–	–	11.2
Falmouth	cbccz	bczby	bcbc	b	66	55	50	–	–	–	11.8
Plymouth	c	c	bor bc	c	?65	54	49	–	–	–	5.6
Portland Bill	oo	oo	0.0	c	62	?54	•	–	–	–	•
Calshot	r or d	r or d	0.0	0.0	62	55	55	trace	trace	1100:1630	1.3
Dungeness	c	p	0.0	c	62	52	•	trace	–	1430	
Jersey ...	ocb	oco	c	0.0	63	56	•	–	–	c	5.7

ISALLOBARS. 20th June 1921

POSITION NUMBERS



Temperature reported from Cross Channel and Coastal Steamers

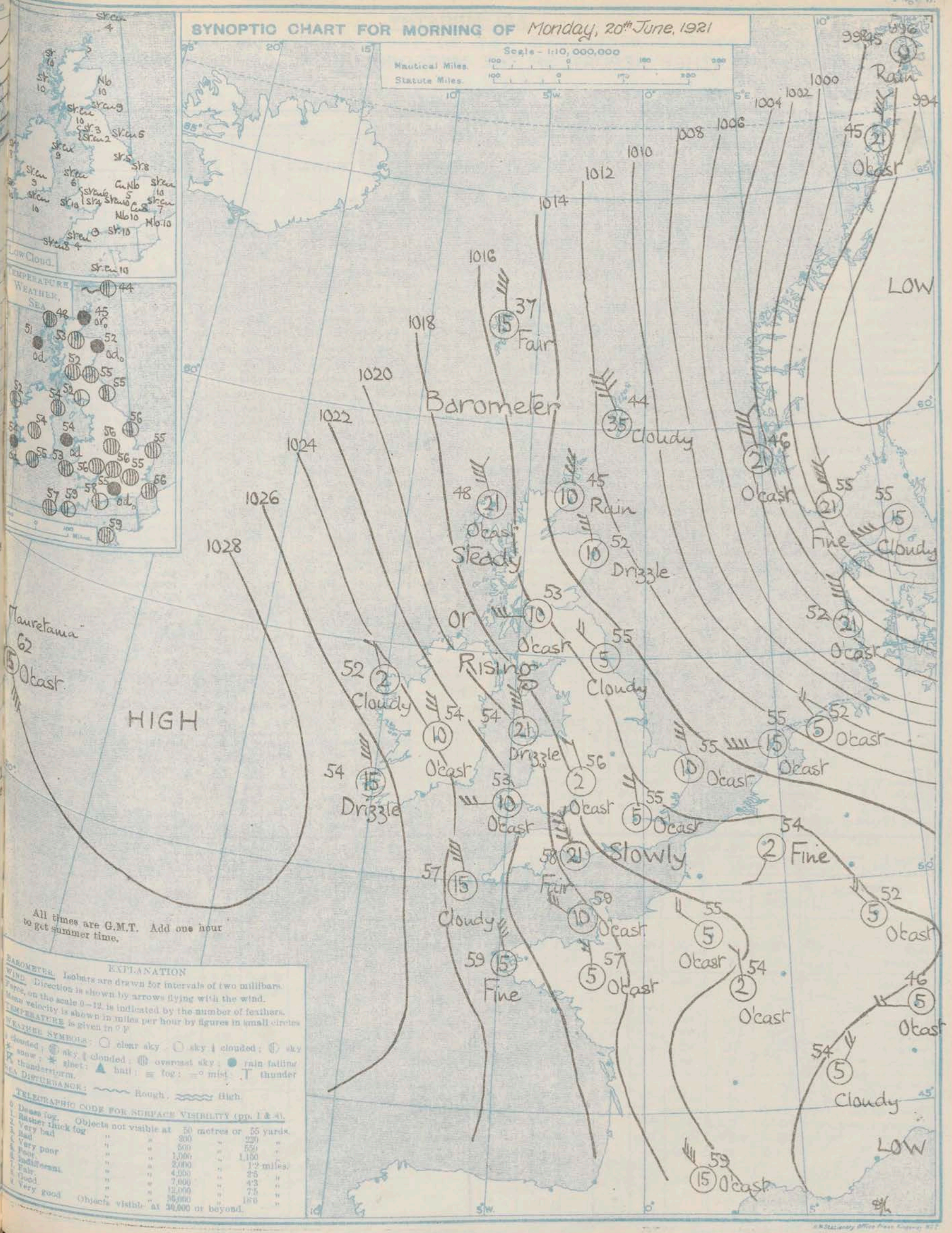
Position Number.	3	6
Date	19th	20th
Time G.M.T.	1000	0210
Sea ° F	52	55
Air ° F	56	56

GENERAL INFERENCE.

The general distribution of pressure favours a changeable type of weather with local showers and North-Westerly winds for at least 24 hours.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Monday 20th June 1921	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Moderate to fresh North-Westerly winds; varying amount of low cloud, local showers; visibility good; cool.	North-Westerly winds and rather cool weather will probably continue for more than 24 hours.

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



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION Monday 20th June 1921. No. 171

STATIONS	Observations at 0100 G.M.T. 20: 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	Observations at 0700 G.M.T. 20: 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	1010.1	-2	WNW	4	c/r	43	92	7	5750	Cu.Nb	7	-	7	•	1010.6	0	NNW	7	c+	44	97	8	7250	St.Cu	4	A.Cu	7	3
Stornoway	1011.6	0	W'S	4	d.o	*	*	6	*	*	*	*	*	•	1016.7	+2	NW	5	o	48	85	7	450	St	10	-	10	1
Wick	1011.7	0	NW	2	fo-	49	97	6	800	St	10	—	10	•	1013.0	+1	N	3	r.o.f.o	45	97	6	450	St.	10	?	10	3
Castlebay	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1017.8	0	WNW	4	d.o	51	97	6	1500	St	10	-	10	2
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1013.3	?	WNW	3	ou	53	•	•	•	•	•	•	10	0
Aberdeen	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1013.4	+1	NW'W	3	d.o	52	85	7	1500	Nb	10	-		
Malin Head														•														
Renfrew	1015.4	0	WNW	4	bc	52	75	8	2500	St.Cu	3	-	3	•	1016.3	+2	W	3	o	53	85	8	2500	St.Cu	10	-	10	•
Leith	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1014.4	+1	WNW	3	o	55	85	9	-	St.Cu	9	-	9	•
Eskdalemuir	1015.3	0	NW	4	c	50	85	7	2500	St	8	-	8	•	1016.2	+1	NW	2	bc+	52	85	8	2500	St	5	-	5	2
Tynemouth	1013.9	0	WNW	1	o	55	92	7	4000	St	10	-	10	•	1014.4	+1	WNW	2	c/r	55	85	8	5750	St.Cu	5	A.Cu	7	0
Blacksod Point	1024.1	0	NW	2	o	53	97	5	450	St	10	-	10	•	1024.1	0	NW	1	c/f	52	97	5	450	St	8	-	8	3
Donaghadee	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1018.8	+1	WNW	3	o—	54	85	8	4000	St.Cu	9	-	9	•
Birr Castle	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1024.0	•	NW	3	o+	54	85	7	5750	St.Cu	9	-	9	•
Baldonnell	1021.0	0	WNW	5	o	58	92	8	1500	St	10	-	10	•	1021.6	+1	W'N	4	o	55	85	8	800	St	10	-	10	?
Holyhead	1018.6	0	WNW	5	o-	*	*	8	1500	Nb	9	-	9	•	1020.1	+3	NNW	5	d	54	97	8	1500	St.Cu	6	A.Cu	10	6
Liverpool (Bidston)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1017.8	+1	WNW	5	o/r	54	85	7	800	Nb	10	-	10	•
Manchester (Alex.Pk.)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1017.3	+2	NW	4	d.o	54	92	5	2500	St.Cu	10	-	10	•
Howden	1014.0	-1	W'S	2	o	53	97	7	1500	St	10	-	10	•	1015.3	+2	WNW	4	o	56	92	7	1500	St.Cu	10	-	10	3
Spurn Head	1014.4	0	WNW	4	o	54	92	8	•	-	-	A.St	10	•	1015.8	-1	NW	4	c-	56	75	8	1500	St	8	-	8	•
Nottingham	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1016.1	•	WNW	3	o-	56	85	5	2500	Cu.Nb	5	A.Cu	9	•
Cranwell	1015.4	-1	W	2	d.o	52	97	6	1500	Nb	10		10	•	1016.2	+1	NW'W	4	o/r	54	97	8	800	Nb	10	-	10	1
Gorleston	1015.7	-1	NW	2	o	51	97	8	-	-	-	A.St	10	•	1015.4	0	NW	3	o	55	92	7	5750	St.Cu	10	-	10	•
Pulham	1014.7	-1	W	1	o	52	92	4	2500	St	10	-	10	•	1015.0	0	WNW	2	o	55	85	7	2500	St	10	-	10	2
Felixstowe	1016.4	-1	NW'W	3	o	54	85	8	2500	St.Cu	7	A.St	10	•	1016.3	+1	NW'W	3	o	56	85	8	2500	St	10	-	10	3
Valencia (Cahirciveen)	1026.7	0	N	4	o	53	•	6	•	•	•	•	•	•	1026.7	+1	NNW	4	d.o	54	92	7	800	St	10	-	10	3
Roches Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1024.5	+2	NW	5	o	55	97	8	1500	St.Cu	10	-	10	3
Pembroke (St. Ann's H.)	1021.0	0	NW	3	c	57	85	9	5750	St.Cu	8	-	8	•	1022.9	+2	W	3	o	53	92	7	450	St	10	-	10	•
Ross-on-Wye	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1018.5	+2	NNW	1	o/r	56	85	8	2500	St.Cu	10	-	10	•
Benson	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1017.6	+2	NW	3	o	56	85	8	-	St.Cu	10	-	10	•
S. Farnborough	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1017.9	+1	WNW	3	d.o	55	92	8	800	Nb	10	-	10	•
London (Kew Obsy.)	1017.1	-1	•	•	•	53	•	•	•	•	•	•	•	•	1017.5	+3	NW	2	o/r	55	85	7	1500	Cu	8	A.St	10	•
Croydon	1017.3	-2	WNW	3	o	52	97	8	2500	St	8	A.St	10	•	1017.7	+1	WNW	2	d.o d.o	54	92	7	800	Nb	10	-	10	0
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1015.7	0	W	3	o	56	85	7	4000	St.Cu	5	A.St	9	•
Shoeburyness	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1016.3	+1	NW	1	o.	55	85	7	2500	St.Cu	9	-	10	0
Grain	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1016.8	0	WNW	4	o/r	55	92	8	1500	St.Cu	10	-	10	•
Lympne	1016.7	0	NW	2	o	49	92	9	2500	St	10	-	10	•	1018.8	+2	W	3	d.o	53	97	7	800	Nb	10	-		•
Scilly (St. Mary's)	1022.9	0	NW'N	4	b	57	97	8	-	-	-	-	o	•	1023.8	+1	NW'N	4	c+	57	92	9	4000	St.Cu	8	-	8	•
Falmouth	*	*	*	*	*	*	*	*	*	*	*	*	*	•	1021.4	+1	N	6	bc	59	75	8	-	St.Cu	4	A.Cu	5	•
Plymouth	1020.7	0	N	1	b-	55	90	?9	4000	St.Cu	3	-	3	•	1020.8	+2	N	5	c	58	75	8	1500	St.Cu	8	-	8	4
Portland Bill	1018.5	-1	WNW	4	c	54	92	8	1500	St.Cu	8	-	8	•	1018.2	-1	NW	5	bc-	58	92	8	-	-	-	A.Cu	6	0
Calshot	1017.9	-1	WNW	3	o	56	75	8	4000	St.Cu	10	-	10	•	1018.1	+1	WNW	4	o d.o	59	85	8	2500	St	10	-	10	2
Dungeness	1015.6	0	N	2	o	53	85	9	1500	St	10	-	10	•	1016.3	0	WNW	2	o+	56	75	9	4000	St	9	-	9	3
Jersey (Guernsey lh.)	1020.0	0	NW	4	bc	56	75	8	-	-	-	A.St	6	•	1020.4	0	WNW	3	o	59	85	8	4000	St.Cu	10	-	10	•

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

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 17h. 19 hr.	Sunshine Sunrise to Sunset 18 hr.
Banff	ro	or	56	45	0.6	0.3	0.0	7.6
Montrose	c	c	60	44	0.3	0.1	0.2	9.3
Llandudno	-	-	56	47	-	-	0.0	7.8
Colwyn Bay								
Rhyl	?	?	56	44	-	-	0.0	6.0
Southport	ro	ro	55	50	0.2	0.8	0.0	10.2
Blackpool	op	op	55	50	0.6	0.5	0.0	10.2
Harrogate	beco	co	55	40	-	-	0.0	6.9
Skegness	o	o	61	38	-	-	0.9	5.2
Aberystwyth								
Bath	o	op	63	42	-	-	0.1	0.9
Leamington Spa								
Lowestoft	bcco	ou	61	41	-	-	2.3	4.4
Felixstowe	og	ogu	62	39	-	-	2.7	7.2
Southend	bcco	o	62	42	-	-	3.4	4.7

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 17h. 19 hr.	Sunshine Sunrise to Sunset 18 hr.
Paignton	ocbc	cbcq	69	48	-	-	6.6	2.6
Ilfracombe	oco	oc	61	51	-	-	2.2	2.8
Bude	c	b	63	47	-	-	5.5	5.3
Penzance	bc	cbc	67	53	-	-	10.5	7.9
Torquay	bcc	bcc	68	50	-	-	6.8	2.9
Weymouth	-		68	51	-	-	0.8	1.2
Bournemouth	bc.o	o	64	43	-	-	1.5	0.2
Portsmouth (S'thsea)	-	-	62	46	-	-	1.9	1.0
Worthing	bco	ro	61	41	-	0.3	3.5	1.6
Brighton	bco	o	59	43	-	0.2	4.4	2.7
Eastbourne	coor	omo	61	44	-	2	3.5	2.2
Hastings	bcco	o	62	43	-	trace	5.5	4.9
Folkestone	cbc	co	62	42	-	-	4.2	5.0
Tunbridge Wells	o	o	61	38	-	-	3.0	5.4
Ramsgate	b	o	62	45	?	-	4.0	5.3
Margate	cbb	b.o	61	?41	-	-	2.8	3.7
Deal	coc	o	64	43	-	trace	4.8	6.5

* 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. 26,761 TUESDAY 21ST JUNE 1921.

Observations at 1800 G.M.T. 20th

Stations.	Barom. at M.S.L. m.b.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-8
Lerwick	1012.6	0	NNW	8	c	45	94	8	1250	Cu Nb	8	A Cu	4	*
Stornoway	1019.1	+3	NW	4	0	48	75	8	450	St	10	-	10	*
Wick	1015.0	+2	NNW	5	dfr	47	75	8	4000	St Cu	10	-	10	*
Castlebay	1019.0	-1	NW	3	dfr	53	85	4	5450	St	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1015.4	+2	NW'N	3	od	49	85	4	1500	Nb	10	-	10	*
Malin Head														*
Renfrew	1014.2	+3	W	3	ov	59	65	9	1500	St Cu	10	-	10	*
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1016.2	+2	NW'W	5	0	55	75	8	2500	St	10	-	10	*
Tynemouth	1014.4	0	W	3	0	62	75	8	4000	St Cu	10	-	10	*
Blacksod Point	1024.2	0	NW'W	2	c/f	56	85	6	450	St	8	-	8	*
Donaghadee	1019.6	0	WNW	4	c+	59	75	8	4000	Cu	8	-	8	*
Birr Castle	1023.5	*	NW	3	c-	64	75	6	2500	Cu	4	Ci Cu	4	*
Baldonnell	1022.4	0	W'N	4	0	61	75	8	2500	St Cu	10	-	10	*
Holyhead	1021.1	+1	WN	5	0	54	92	8	2500	St Cu	10	-	10	*
Liverpool (Bidston)	1019.3	+1	WNW	5	0	56	85	7	800	Nb	10	-	10	*
Manchester (Alex.Pk.)	1018.5	+1	NW	5	0	58	75	6	2500	St Cu	10	-	10	*
Howden	1015.0	-1	SW'W	4	0	65	75	8	4000	St Cu	4	Ci St	9	*
Spurn Head	1015.8	0	NW	3	cv	65	85	9	2500	St	8	-	8	*
Nottingham	1016.9	*	W	4	c	62	75	5	2500	Cu Nb	5	A Cu	4	*
Cranwell	1016.4	-1	W'S	4	0-	66	65	6	1500	Nb	4	Ci	10	*
Gorleston	1015.6	0	N	3	c-	61	85	8	1250	St Cu	4	-	4	*
Pulham	1016.1	+2	WNW	3	dfr	62	75	8	2500	St Cu	5	-	10	*
Felixstowe	1014.1	+1	WNW	3	0-	62	75	8	2500	Nb	10	-	10	*
Valencia (Cahirciveen)	1024.2	+1	NW	3	c-	58	85	8	1500	St Cu	8	-	8	*
Roches Point	1025.5	+1	NW	4	c-	64	75	9	2500	Cu	4	-	4	*
Pembroke (St.Ann's H.)	1023.4	+1	WNW	3	0	56	85	8	2500	St	10	-	10	*
Ross-on-Wye	1019.5	+1	WNW	2	ov	65	65	9	4000	St Cu	9	Ci	10	*
Benson	1019.3	+2	NW	3	0	61	75	8	*	St Cu	10	-	10	*
S. Farnborough	1019.0	+1	WNW	4	0	63	65	8	1500	St Cu	10	-	10	*
London (Kew Obsy.)	1019.1	+2	NW	3	0	60	65	8	2500	St Cu	4	A St	10	*
Croydon	1019.1	+2	WNW	3	0	59	75	8	1500	St	10	-	10	*
Cheton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1017.3	+1	NW	1	0	62	65	8	4000	Cu	10	-	10	*
Grain	1017.5	+2	NW	4	0	63	65	8	1500	St Cu	4	A St	10	*
Lympne	1017.6	0	WNW	3	0	59	75	8	1500	St	9	A St	10	*
Scilly (St. Mary's)	1024.8	+1	NW	3	0	62	85	8	4000	St Cu	10	-	10	*
Falmouth	1028.4	+2	NNW	4	0	61	75	8	*	St Cu	10	-	10	*
Plymouth	1022.2	+2	NNW	4	ov	61	75	9	4000	St Cu	10	-	10	*
Portland Bill	1019.4	0	NW	4	bc	61	92	8	1500	St Cu	6	-	6	*
Calshot	1019.5	+1	NW'W	4	0	64	65	8	4000	St Cu	10	-	10	*
Dungeness	1017.5	+1	NNW	3	0	60	75	8	5000	St Cu	10	-	10	*
Jersey	1022.0	+1	WNW	3	0	63	65	8	4000	St Cu	10	-	10	*

Observations at 1800 G.M.T. 20th

Stations.	Barom. at M.S.L. m.b.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	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	1013.8	?	NNW	8	c/R	44	94	8	1250	Nb	4	-	4	4
Stornoway	1021.1	+3	NNW	4	0	42	75	8	500	St	9	-	9	3
Wick	1014.1	+2	NNW	5	dfr	44	75	8	4000	St Cu	9	-	9	3
Castlebay	1021.2	+2	NW	4	0	51	75	6	5450	St	10	-	10	2
Nairn	1015.2	*	NW	3	bc	48	*	*	*	*	*	*	*	*
Aberdeen	1014.4	+2	NW'N	4	c-	48	65	8	1500	Cu	8	-	8	3
Malin Head														
Renfrew	1015.2	+2	W	3	ov	55	75	9	4000	St Cu	4	A St	10	*
Leith	1014.0	+4	NW	3	0	53	85	8	2500	St Cu	9	-	9	*
Eskdalemuir	1014.5	+2	WNW	4	0	54	75	8	2500	St	4	A St	10	*
Tynemouth	1016.6	+2	NNE	3	dfr	50	94	2	2500	St	10	-	10	4
Blacksod Point	1024.8	+1	NW	2	od	56	92	6	450	St	10	-	10	1
Donaghadee	1020.0	0	NW	4	0	54	85	8	4000	St Cu	10	-	10	6
Birr Castle	1024.0	*	NW	3	c+	63	75	4	2500	St Cu	8	-	8	*
Baldonnell	1022.9	+1	W'N	4	ov	60	75	9	4000	St Cu	9	-	9	*
Holyhead	1021.1	0	W	5	0	58	85	8	2500	St Cu	10	-	10	4
Liverpool (Bidston)														
Manchester (Alex.Pk.)	1019.0	+1	WNW	5	0	58	75	4	2500	St Cu	9	A Cu	10	*
Howden	1015.4	+1	WNW	4	0	59	85	7	2500	St Cu	8	A St	10	*
Spurn Head	1015.8	0	NW	4	0	60	75	8	5450	St Cu	10	-	10	2
Nottingham	1015.5	*	NW	5	c	60	92	5	2500	Cu Nb	5	A Cu	8	*
Cranwell	1014.3	+1	NW'W	6	0	60	75	8	2500	St	9	A Cu	10	*
Gorleston	1015.2	-1	SW	3	0	59	92	9	5450	St Cu	10	-	10	2
Pulham	1014.9	-2	WSW	4	0	63	75	4	2500	Cu	10	-	10	*
Felixstowe	1016.5	0	WNW	4	0-	62	75	8	5450	St Cu	2	A St	10	3
Valencia (Cahirciveen)	1024.3	0	NNW	4	c-	56	85	8	1500	St Cu	7	-	7	1
Roches Point	1026.2	0	NW	5	c	61	85	8	2500	St Cu	6	Ci	7	3
Pembroke (St.Ann's H.)	1023.1	0	W	2	b-	59	85	8	-	-	0	Ci St	3	3
Ross-on-Wye	1019.9	0	NW	3	cv	63	75	9	4000	St Cu	6	A Cu	8	*
Benson	1018.5	0	NW	3	0	64	65	8	*	St Cu	10	-	10	*
S. Farnborough	1018.5	0	NW	2	0	61	65	8	1500	St Cu	10	-	10	*
London (Kew Obsy.)	1018.4	-1	NW	3	0	63	65	8	4000	St Cu	9	A St	10	*
Croydon	1018.6	0	NW	2	0	62	75	8	1500	St	10	-	10	*
Cheton-on-Sea	1016.7	0	WNW	4	0	63	65	7	4000	St Cu	8	-	8	0
Shoeburyness	1017.3	0	NNW	3	0	61	75	7	2500	St Cu	6	A St	10	*
Grain	1017.8	+1	WNW	5	0	61	75	8	2500	St Cu	10	-	10	0
Lympne	1017.8	+1	W'N	3	0	60	75	7	800	St	8	A St	10	*
Scilly (St. Mary's)	1025.1	0	NW	2	cv	61	85	9	4000	St Cu	7	-	7	1
Falmouth	1023.8	0	NNW	4	b	61	65	8	*	St Cu	2	-	2	*
Plymouth	1023.0	0	NNW	3	ov	60	75	9	2500	St Cu	10	-	10	*
Portland Bill	1019.7	0	NW	4	bc	60	92	8	500	St Cu	4	-	4	4
Calshot	1018.7	-1	W	4	0	67	65	8	4000	St Cu	9	A St	10	0
Dungeness	1017.3	0	NNW	4	0	65	65	8	5450	St Cu	10	-	10	3
Jersey	1022.2	0	WNW	3	0	60	75	8	4000	St Cu	10	-	10	3

London Observations.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 Hours ended 0900 G.M.T. 21st							Yesterday.	To-day.	
Kew				*	*	54	- -	0.3	*	*
Croydon (24 hours ended 0700)	00	0	00	*	*	52	tr 0.3	*	*	*
Greenwich (Royal Obsy.)	0id	00	00	*	*	*		*	*	*
City (Bunhill Row)	0id	0c0	0id	67	51	52	- 0.3	1.0	61	82
Westminster (St. James' Pk.)	*	*	*	*	*	*		1.5	*	*
Regents Pk. (Botanical Gdns.)	*	*	*	64	51	51	- -	0.3	63	75
Camden Sq. (Brit. Rainfall)	0	*	*	*	*	*		0.5	*	*
Kensington Palace	0c	c.bc	*	66	54	53	- -	*	66	76
Hampstead Observatory	0p0	0	*	63	52	54	- -	*	64 (154)	83
	*	*	*	62	50	50	- -	0.9	*	81

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

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

Kew Observatory

Max.	Time.	Min.	Time.
0.4	6 A.M. 20th, 3 P.M. 20th	0.2	1 A.M. 20th

South Kensington

Max.	Time.	Min.	Time.

Solar Radiation. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total 820 joules

Average Rate 13.7 Milliwatts.

Maximum Rate 89 Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from 20 21 h. 30m. to 21st 2 h. 30m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	3.0	- 6	2
δ Ursae Minoris	5.0	- -	-

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

21st & 22nd June 1921.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.31	11.54	8.17
	3.32	11.55	8.18
Greenwich	3.44	12.1	8.18
	3.45	12.2	8.19
Wick	3.4	12.13	9.19
	3.8	12.14	9.20
Valencia	4.22	12.46	9.2
	4.23	12.43	9.3

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.
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"; bc = cloud 0-5; co = cloud 6-10.

Capital letters indicate intensity, 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.	Metres per second.
0	Less than 1	Less than 0·3
1	1–3	0·3–1·5
2	4–7	1·6–3·3
3	8–12	3·4–5·4
4	13–18	5·5–7·9
5	19–24	8·0–10·7
6	25–31	10·8–13·8
7	32–38	13·9–17·1
8	39–46	17·2–20·7
9	47–54	20·8–24·4
10	55–63	24·5–28·4
11	64–75	28·5–33·5
12	Above 75	33·6 or above

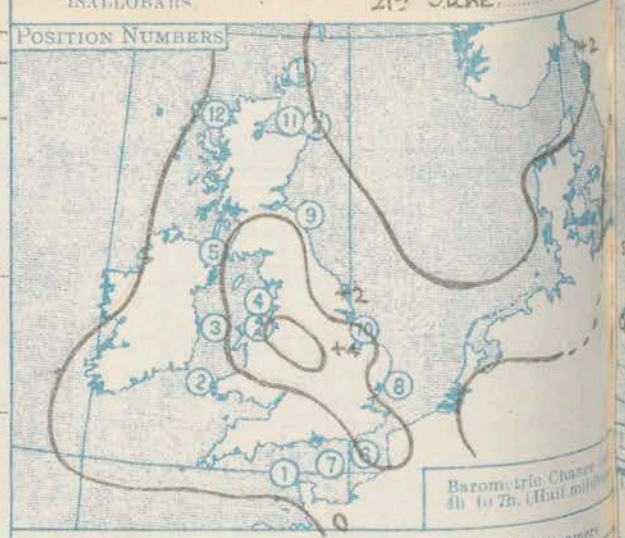
* Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3.

M.O. Form 2370.

Summaries for the Past 24 Hours.

Stations.	Weather. 7h.-13h.	13h.-18h.	18h. to 1h.	1h.-7h.	Temperature. Max. Day. 7h.-18h.	Min. Night. 18h.-7h.	Min. on Grass.	Rainfall.† Day. 7h.-18h.	Night. 18h.-7h.	Precipitation began.	Sun. Hours.
Lerwick	oo	p	ir	ir	46	37	•	/	1	-	•
Stornoway	oo	c	c	oo	49	46	•	trace	-	-	0.9
Wick	o/d q	o ir q	o p.	o q ir.	48	40	•	0.4	0.4	-	•
Castlebay	c. p.o	•	o	o	53	46	•	trace	-	-	0.3
Nairn	ov.d.c	c q. q. bc	bc.o		53	41	•	0.2		-	0.8
Aberdeen	o. id m	o id. c	cr. p.	cp. bc	53	41	38	/	trace	-	1.4
Malin Head							•				
Renfrew	ov	oo	ovc	co	60	45	43	-	-	-	3.0
Leith	o		oo		62	45	44	-	-	-	•
Eskdalemuir	oo	oo	oo	c	59	39	32	-	-	-	1.9
Tynemouth	oo	m ir.	im id.	c	63	43	•	trace	1	•	•
Blacksod Point	r or d	r or d	oo	oo	58	53	•	trace	-	-	•
Donaghadee	c	cq	cm	cq	64	50	•	-	-	-	•
Birr Castle	c	c	c		66	52	51	-	-	-	7.9
Baldonnell	oo	c	oo	oo	65	51	45	-	-	-	3.0
Holyhead	oo	oo	c	oo	61	51	52	-	-	-	0.5
Liverpool (Bidston)	oo						•				
Manchester (Alex.Pk.)	od. m	om r.	im	oim	59	51	49	trace	-	-	•
Howden	oo	r or d	r or d	r or d	70	45	43	0.1	2	2200	2.1
Spurn Head	c	c	p	p	65	47	•	-	0.4	2200	•
Nottingham	c	c	p.		64	46	47	-	0.6	2400	3.5
Cranwell	r or d	oo	d.	r or d	69	45	44	0.3	2	-	2.0
Gorleston	r or d	c	r. r. q	oo	64	48	46	0.2	2	-	0.8
Pulham	oo	oo	r or d	p	66	47	47	-	0.4	2200	0.4
Felixstowe	oo	oo	oo	id.	67	48	•	trace	trace	0330	1.8
Valencia (Cahirciveen)	c	b, bc	b or bc	c	58	52	47	-	-	-	0.9
Roches Point	c	c	c		66	54	•	-	-	-	•
Pembroke (St. Ann's H.)	oo	c	c	c	60	53	•	-	-	-	5.1
Ross-on-Wye	id. o.c.ob	cv	bc r ov	!. o g ov	71	55	49	-	0.1	-	1.6
Benson	oo	p. o	r o		65	53	49	trace	1	0330	•
S. Farnborough	id.	oo	oo ir.		68	54	54	trace	0.6	0330	2.0
London (Kew Obsy)	oo	o	oo	oo	64	55	54	-	-	-	0.3
Croydon	o id.	oo	oo	oo	62	54	52	trace	0.3	0330	•
Clacton-on-Sea	o.cp.o.c		b.oc	o g	66	49	48	trace	-	-	1.6
Shoeburyness	id.	c	id.	oo	67	49	49	trace	trace	-	1.6
Grain	oo	c	id.		67	49	49	-	0.1	-	3.0
Lympne	oo	c.o	oo	r or d	66	50	48	trace	trace	0330	1.5
Scilly (St. Mary's)	oo	c	c	c	64	54	•	-	-	-	3.8
Falmouth	bc.c.o.o	o bc.b	c	co	62	54	50	-	-	-	5.5
Plymouth	b or bc	oo	c				•	-			
Portland Bill	c	c	b or bc	b or bc	63	56	•	-	-	-	•
Calshot	r or d	oo	oo	oo	68	54	53	trace	-	-	3.3
Dungeness	c	oo	oo	p	65	53	•	-	trace	0630	•
Jersey	oo	oo	c	bc	65	55	•	-	-	-	0.3

ISALLOBARS 21st June



Temperature reported from Cross Channel and Coastal Steamers

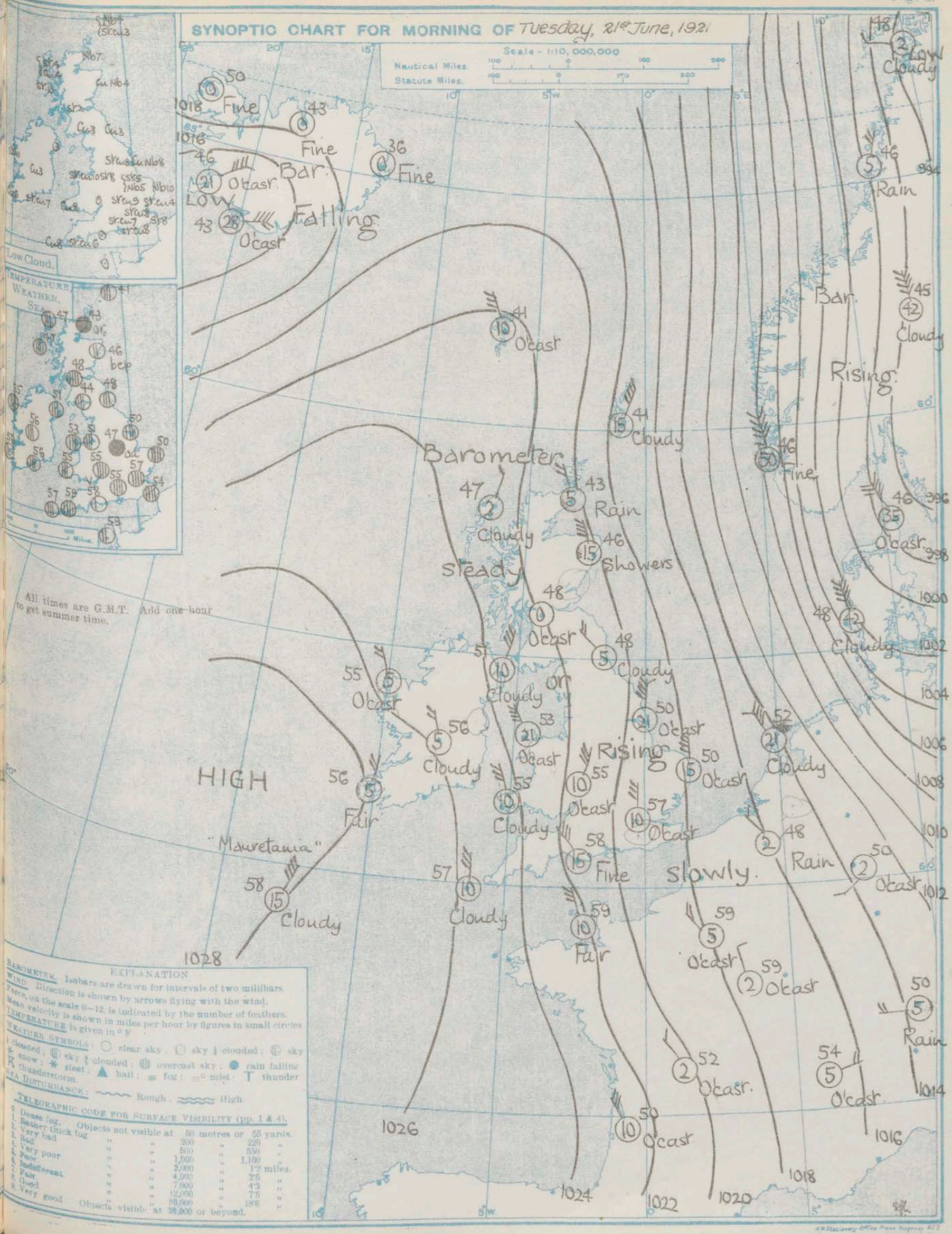
Position Number	3	6	7
Date	20	21	21
Time G.M.T.	0115	0300	0243
Sea °F	53	58	56
Air °F	60	63	59

GENERAL INFERENCE.

The distribution of pressure is changing very little and for at least 24 hours moderate winds from between N.W. & N. will continue with cool and rather cloudy weather and some local showers over the Eastern districts.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday 21st June 1921	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Moderate winds from between N.W. and N., much low cloud, some local showers; visibility good; very cool.	Fair generally and warmer with light winds mainly from between W. and N.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Moderate winds from between N.W. and N., cloudy to fair; visibility good; cool.	
10. N.E. England 11. E. Scotland	Same as 1 - 4	
12. S.W. Scotland 13. Isle of Man	Same as 5 - 9	
14. N.& N.W. Scotland 15. Hebrides	Wind light and indefinite; fair; visibility mainly good; cool.	
16. Orkneys and Shetlands	Same as 1 - 4	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Same as 5 - 9	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 10.00 GMT G. C. Simpson, F.R.S., Director.


SYNOPTIC CHART FOR MORNING OF Tuesday, 21st June, 1921
Scale - 1:10,000,000
Nautical Miles
Statute Miles
Low Cloud.
TEMPERATURE
WEATHER.
SEA
Fine
Bar.
Falling.
O'cast
LOW
Rain
Cloudy
Rising.
Barometer
steady
Showers
HIGH
Fair
"Mauretania"
slowly.
or
All times are G.M.T. Add one hour to get summer time.
EXPLANATION
BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Direction is shown by arrows flying with the wind.
Force, on the scale 0–12, is indicated by the number of feathers.
Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in ° F.
WEATHER SYMBOLS: clear sky; sky ¼ clouded; sky ½ clouded; sky ¾ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
SEA DISTURBANCE: Rough; High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY (pp. 1 & 4).
0 Dense fog. Objects not visible at 50 metres or 55 yards.
1 Denser thick fog " " 200 " 220 "
2 Very bad " " 500 " 550 "
3 Bad " " 1,000 " 1,100 "
4 Very poor " " 2,000 " 1·2 miles.
5 Poor " " 4,000 " 2·5 "
6 Indifferent. " " 7,000 " 4·3 "
7 Fair. " " 12,000 " 7·5 "
8 Good " " 30,000 " 18·6 "
9 Very good Objects visible at 30,000 or beyond.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION...Tuesday,........ 21st June.........1921. No...172...

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)	Upper Form.	Total Amt. (0-10)	Sea (0-9)
Lerwick	1016.0	+2	NNW	4	bc/f	39	97	6	4000	Nb	6	-	6	*
Stornoway	1023.4	+2	N	2	co-	*	*	6	*	*	*	*	*	*
Wick	1019.2	+1	NNW	3	opr₀	42	85	9	450	Sr.	6	A.Cu	10	*
Castlebay		*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head														
Renfrew	1020.5	+2	WNW	2	c	48	75	8	2500	St.Cu	2	A.St	8	*
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1020.0	+2	-	0	b	46	85	7	4000	St.	3	-	3	*
Tynemouth	1015.9	+1	N	5	o/r	49	85	7	1800	St.	10	-	10	*
Blacksod Point	1024.8	+2	NW	2	o	54	92	7	450	St	10	-	10	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	-	*	*	*	*	*	*	*	*	*
Baldonnell	1024.2	0	WNW	4	o	54	85	8	4000	St.Cu	10	-	10	*
Holyhead	1021.3	0	WNW	5	o	*	*	8	1500	StCu	10	-	10	*
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1018.4	+2	NW	2	odd	46	97	5	1800	Nb	10	-	10	*
Spurn Head	1018.4	+1	N	6	o	49	85	8	-	-	-	A.St	10	
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1018.6	+1	NE	3	odd	49	97	6	800	Nb	10	-	10	
Gorleston	1017.7	+1	NE	4	or₀r₀	50	92	7	4000	Nb	10	-	10	
Pulham	1017.6	+2	N	4	or₀	50	97	6	1500	Nb	10	-	10	
Felixstowe	1016.9	0	NNW	4	o	57	85	8	2500	StCu	10	-	10	*
Valencia (Cahirciveen)	1028.2	+1	NNW	4	bc	55	*	6	-	-	-	A.Cu	5	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1023.6	0	NW	3	bc-	55	85	9	5750	Cu	5	-	5	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy)	1018.7	-1	*	*	*	60	*	*	*	*	*	*	*	*
Croydon	1015.9	-1	NW	4	o	58	85	8	1500	~~Nb~~ St	7	A.St	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1017.4	+1	W	4	o	54	~~75~~ 84	~~8~~ 7	1300	StCu	10	-	10	*
Scilly (St. Mary's)	1025.7	0	WNW	2	bc	57	97	8	9000	StCu	5	-	5	*
Falmouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plymouth	1022.8	0	SW	1	b	56	92	9	2500	StCu	3	-	3	
Portland Bill	1021.0	0	WNW	4	b-	58	92	8	-	-	-	Ci.Cu	2	*
Calshot	1017.9 (9 in red)	-1	W	4	o	60	75	8	4000	StCu	10	-	10	*
Dungeness	1017.5	0	NNW	4	c-	60	75	9	5750	StCu	8	-	8	*
Jersey (Guernsey Ih.)	1023.2	0	NNW	4	bc	57	85	8	-	-	-	Ci.St	4	*

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)	Upper Form.	Total Amt. (0-10)	Sea (0-9)
Lerwick	1016.5	+3	NE	4	c/f	41	97	7	5750	Nb	7	-	7	3
Stornoway	1022.7	0	NNE	1	c-	47	65	8	800	St	8	-	8	0
Wick	1020.4	+1	NW	2	or₀	43	85	9	4000	Nb	7	Ci.St	9	3
Castlebay	1023.2	0	-	0	o	47	75	7	7250	St	10	-	10	1
Nairn	1021.6	*	NW	1	cg	45	*	*	*	*	*	*	*	1
Aberdeen	1020.7	+1	NNW	4	bcpr₀	46	65	8	2000	Cu.Nb	4	-	4	0
Malin Head														
Renfrew	1022.6	+2	-	0	o	48	75	8	2500	St	2	A.St	9	*
Leith	1022.2	+2	NE	3	c-	47	65	9	-	-	-	Ci.Cu	8	*
Eskdalemuir	1022.6	+3	N	2	c	44	65	8	4000	Cu	3	Ci	7	*
Tynemouth	1020.9	+1	WNW	2	c-	48	97	8	6750	Cu	3	A.St	7	4
Blacksod Point	1025.6	0	NNW	2	o	55	97	6	450	St	10	-	10	0
Donaghadee	1023.1	+1	NNE	3	c+	51	92	8	-	-	-	A.Cu	8	1
Birr Castle	1026.0	*	NW	2	c-	56	85	7	6750	Cu	3	Ci	7	*
Baldonnell	1024.8	0	WNW	4	o	54	85	6	800	St	10	-	10	*
Holyhead	1023.2	+3	NNW	5	o	53	92	8	2500	StCu	10	-	10	4
Liverpool (Bidston)														
Manchester (Alex.Pk.)	1021.3	+4	ESE	2	o	51	75	8	2500	St	8	A.St	10	*
Howden	1020.5	+2	NNW	4	o/r	47	92	7	4000	StCu	3	Ci.Cu	10	*
Spurn Head	1018.8	+1	N	5	c	50	92	8	-	Cu.Nb	8	-	8	3
Nottingham	1021.1	*	N	2	od₀	47	97	5	2500	Nb	7	A.St	10	*
Cranwell	1021.2	+4	NNW	3	od₀d	46	97	8	800	St	10	-	10	*
Gorleston	1018.0	+1	N	4	o	50	92	8	4000	Nb	10	-	10	3
Pulham	1019.2	+3	WNW	5	opr₀	49	85	7	1500	StCu	10	-	10	*
Felixstowe	1019.6	+1	N ~~E~~ W	3	o	50	85	8	4000	StCu	4	A.St	10	1
Valencia (Cahirciveen)	1028.0	+1	NNE	2	bc-	56	75	9	4000	Cu	6	-	6	3
Roches Point	1027.1	+1	NNW	4	c	56	85	8	2500	StCu	7	-	7	3
Pembroke (St. Ann's H.)	1024.5	+1	NW	3	c	55	85	8	5750	Cu	8	-	8	3
Ross-on-Wye	1021.4	+2	NNE	3	or	55	75	9	2500	Nb	9	A.Cu	10	*
Benson	1020.2	+2	NNW	4	o	54	75	8	-	StCu	9	-	9	*
S. Farnborough	1019.7	+2	NW	3	o/r	55	85	8	1500	StCu	7	A.St	10	*
London (Kew Obsy)	1019.8	+2	N	3	o	57	75	8	1500	StCu	8	A.St	10	*
Croydon	1019.6	+1	NNW	3	o	55	85	7	1500	Nb	10	-	10	*
Clacton-on-Sea	1019.0	+2	NNW	3	o	50	85	7	1500	StCu	3	A.St	10	0
Shoeburyness	1019.5	0	NE	3	o	50	85	5	1500	StCu	10	-	10	0
Grain	1019.4	+4	NNE	4	od₀	50	92	8	1500	St	10	-	10	*
Lympne	1018.7	+3	N	3	o/r	50	97	8	450	St	10	-	10	*
Scilly (St. Mary's)	1025.9	0	N	3	c	57	85	8	4000	Cu	8	-	8	2
Falmouth	1024.1	+1	N	4	o	59	75	8	-	StCu	6	Ci.St	9	*
Plymouth													3	3
Portland Bill	1021.0	0	WNW	4	b	58	92	8	-	-	-	Ci.Cu	10	0
Calshot	1020.4	+1	WNW	4	o	58	~~92~~ 85	7/8	1500	StCu	8	Ci.St	10	3
Dungeness	1018.8	+2	NNE	3	o/r	54	92	8	4000	St	10	-	4	3
Jersey (Guernsey Ih.)	1022.2	0	NW	3	bc+	59	85	8	-	-	-	Ci.St		

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

Stations	Weather Fore-noon	Weather After-noon	Temperature Max. Day °F.	Temperature Min. Night °F.	Rainfall† Night 17h.-9h. 20th-21st (mm.)	Rainfall† Day 9h.-17h. 21st (mm.)	Sunshine Sunrise to 17h. 21st (hr.)	Sunshine Sunrise to Sunset 20th (hr.)
Banff	o	c	51	47	2	·	1.1	0.0
Montrose	c	c	59	47	-	·	1.3	0.2
Llandudno	?	?	60	53	0.3	-	0.0	0.0
Colwyn Bay	c.bc.c.o	bc.bc.o	60	52	-	-	0.0	?
Rhyl	oc	c	65	52	/	-	0.4	0.0
Southport	oc.o	o.c.o	59	52	0.3	-	1.8	0.0
Blackpool	cu	c.o	61	52	-	-	3.1	0.0
Harrogate	h bc.c	bc.c.o	66	52	-	-	6.2	0.0
Skegness	o	o	64	52	-	-	0.4	0.9
Aberystwyth	r.o.c	c.c.o	59	54	0.3	/	0.3	?
Bath	o	o.c bc	68	56	-	-	1.9	0.1
Leamington Spa	o	o	62	51	/	-	0.0	?
Lowestoft	o	o.c.o	64	51	-	-	0.5	2.3
Felixstowe	ogb	c	64	53	-	-	1.4	2.4
Southend	bd.o	o.c.o	68	51	0.2	-	1.5	3.4

Stations	Weather Fore-noon	Weather After-noon	Temperature Max. Day °F.	Temperature Min. Night °F.	Rainfall† Night 17h.-9h. 20th-21st (mm.)	Rainfall† Day 9h.-17h. 21st (mm.)	Sunshine Sunrise to 17h. 21st (hr.)	Sunshine Sunrise to Sunset 21st (hr.)
Paignton	og.c.bc	bc.c.bc	69	54		·	2.4	1.6
Ilfracombe	o	o	54	56	-	·	0.0	2.3
Bude	o	c	62	56	·	·	1.5	5.5
Penzance	bc	bc	65	56	·	·	4.3	12.4
Torquay	c	bc.c.bc	68	55	·	·	4.9	4.6
Weymouth	o.bc	bc	71	56	-	-	2.9	0.8
Bournemouth	c	c.bc	69	55	-	·	3.0	1.5
Portsmouth (S'thsea)	bc	bc	68	55	-	·	4.5	2.0
Worthing	oc	c	66	53	0.3	-	2.5	3.5
Brighton	o.c	c.o	64	48	-	·	2.2	4.4
Eastbourne	o	c.o.c.o	66	52	-	·	1.4	3.5
Hastings	o	o.c.bc.o	65	51	-	·	1.8	5.6
Folkestone	op.o	c.bc.c	64	52	·	trace	1.6	6.5
Tunbridge Wells	o	o	65	50	/	-	0.6	3.0
Ramsgate	bc	bc	66	52	·	-	2.4	4.0
Margate	c	bc	66	54	·	·	1.9	2.5
Deal	cp.o	c.o.c	68	52	-	trace	2.4	4.5

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.21762 WEDNESDAY 22nd JUNE 1921.

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	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1017·8	+1	N'W	4	0	44	94	7	4000	Sc Cu	10	-	10	*
Stornoway	1020·9	-2	W	3	0	44	85	7	4500	St	10	-	10	*
Wick	1020·3	0	NW	2	0	47	95	8	5000	Sc Cu	7	A St	10	*
Castlebay	1020·7	-2	WSW	4	0	52	94	3	800	Nb	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1021·1	0	NW	4	0	50	65	8	2500	St	4	A St	10	*
Malin Head														*
Renfrew	1022·3	-1	W	3	0	54	95	8	2500	St Cu	4	A St	10	*
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1021·6	0	WNW	3	0	54	55	7	5000	Cu	2	A St	10	*
Tynemouth	1021·5	+1	NE	3	bc-	52	86	8	4000	Cu	4	Ci Cu	6	*
Blacksod Point	1026·0	+1	W	2	c-	60	92	7	450	St	7	-	7	*
Donaghadee	1023·3	+1	-	0	0	54	95	8	4000	St Cu	10	-	10	*
Birr Castle	1026·3	*	NW	1	0+	62	95	6	2500	St Cu	9	-	9	*
Baldonnell	1025·9	+2	NW'W	4	0	57	85	7	1500	St	10	-	10	*
Holyhead	1024·8	+1	W'NW	3	0+	56	86	8	4000	St Cu	7	A St	9	*
Liverpool (Bidston)	1023·4	+1	WNW	4	bc-	55	65	8	2500	St Cu	4	Ci Cu	6	*
Manchester (Alex.Pk.)	1022·7	+1	WNW	4	0	59	85	8	2500	St Cu	7	A Cu	10	*
Howden	1021·8	+1	NNW	4	0	57	65	8	4000	Cu	3	A Cu	9	*
Spurn Head	1022·6	+1	N	5	c-	55	97	9	2500	St	2	A Cu	8	*
Nottingham	1022·0	*	N	2	c-	59	65	6	-	-	0	Ci St	7	*
Cranwell	1022·5	+1	NNW	4	c	57	85	8	2500	St	1	Ci St	8	*
Gorleston	1020·0	+2	N'E	6	0	56	55	8	5000	St Cu	10	-	10	*
Pulham	1020·5	+2	NNW	4	0-	56	65	8	4000	Cu	9	-	9	*
Felixstowe	1021·1	0	NNW	4	0-	56	65	9	4000	St Cu	4	A St	10	*
Valencia (Cahirciveen)	1028·3	0	NW	4	bc-r	60	65	9	4000	St Cu	6	-	6	*
Roches Point	1027·4	0	WNW	2	0+	66	75	8	2500	Cu	9	-	9	*
Pembroke (St.Ann's H.)	1026·2	+2	NW	3	c-	59	85	9	5000	Cu	6	A Cu	8	*
Ross-on-Wye	1022·4	+1	N	3	bcr	61	95	9	4000	Cu	3	Ci	4	*
Benson	1021·8	+2	N	2	0	61	65	7	*	St Cu	10	-	10	*
S. Farnborough	1022·3	+2	N	4	0	59	65	8	1500	St Cu	9	A St	10	*
London (Kew Obs.)	1021·8	+1	N	3	cv	60	55	9	5000	Cu	6	Ci Cu	8	*
Croydon	1021·9	-2	N'W	4	0 ~~cv~~	58	65	9	2500	Cu	8	Ci St	9	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1021·3	+2	NNE	5	c-	58	65	8	4000	Cu	6	Ci Cu	8	*
Grain	1021·7	+2	NNW	4	c-	58	85	8	2500	St Cu	8	-	8	*
Lympne	1021·8	+3	NW'N	4	c-	54	95	9	1500	St Cu	6	Ci St	8	*
Scilly (St. Mary's)	1025·9	0	N	2	b	62	65	8	4000	Cu	3	-	3	*
Falmouth	1025·4	+1	NNW	4	0	62	65	8	*	St Cu	9	-	9	*
Plymouth	1024·0	+2	N	3	0v	60	75	9	1500	St	10	-	10	*
Portland Bill	1022·5	+2	W'NW	3	bc+	63	92	8	-	-	0	Ci Cu	5	*
Calshot	1022·0	+2	NW	4	0-	64	85	8	4000	St Cu	10	-	10	*
Dungeness	1021·6	+2	N	3	cpr	56	95	9	3500	Cu	8	-	8	*
Jersey	1023·1	0	NNW	3	bc	64	85	8	4000	St Cu	2	Ci	4	*

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	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1017·8	+1	NNE	3	bc-	45	55	9	-	-	0	A Cu	4	2
Stornoway	1017·6	-5	S	4	rr	47	97	6	450	St	10	-	10	3
Wick	1019·1	-1	NE	1	0	46	95	8	1500	St	5	A St	10	0
Castlebay	1019·5	0	W	5	0	53	92	4	2500	St	10	-	10	4
Nairn	1018·5	*	ENE	1	0r	46	*	*	*	*	*	*	*	*
Aberdeen	1020·5	-1	NNE	1	0r	46	65	8	2500	Nb	10	-	10	0
Malin Head														
Renfrew	1020·0	-4	SW	3	od	52	92	7	800	Nb	10	-	10	*
Leith	1018·0	-2	NW	2	od	50	92	6	800	Nb	10	-	10	*
Eskdalemuir	1021·0	-2	SW	3	r	48	97	5	1500	Nb	10	-	10	*
Tynemouth	1021·4	0	ESE	1	0	49	92	8	-	-	0	A St	10	4
Blacksod Point	1025·3	-2	W	2	0	57	97	7	450	St	10	-	10	1
Donaghadee	1022·6	-1	NW	2	0	57	75	8	1500	Cu	10	-	10	0
Birr Castle	1025·6	*	WNW	2	c-	64	75	6	1500	Cu	5	A Cu	8	*
Baldonnell	1025·1	-1	WNW	4	0-	61	60	7	4000	St Cu	8	A Cu	10	*
Holyhead	1024·2	-1	SW'W	4	0	56	92	8	1500	St	10	-	10	1
Liverpool (Bidston)	1023·1	-1	WNW	3	0	54	85	8	800	St	10	-	10	3
Manchester (Alex.Pk.)	1023·1	0	NW	4	0/r	55	65	7	2500	St Cu	8	A St	10	*
Howden	1021·3	0	NE	1	0	55 ~~56~~	75	8	2500	St Cu	6	A Cu	10	*
Spurn Head	1021·6	0	N	4	0v	57	97	9	-	-	0	A St	10	*
Nottingham	1021·8	*	NW	3	0	59	65	5	2500	Nb	6	Ci St	10	*
Cranwell	1022·2	0	N	2	rpr	58	65	7	1500	Nb	6	A St	10	*
Gorleston	1021·5	+1	NNE	5	0	53	65	8	-	-	0	A St	10	1
Pulham	1021·5	0	N	3	0	53	65	8	4000	St	10	-	10	*
Felixstowe	1022·1	+1	N	3	0	56	65	8	7250	St Cu	10	-	10	2
Valencia (Cahirciveen)	1027·8	-1	NW	3	bc	60	65	9 ~~8~~	4000	St Cu	1	A Cu	2	1
Roches Point	1026·7	-1	NNW	2	b-	65	75	8	4000	Cu	3	-	3	0
Pembroke (St.Ann's H.)	1026·0	0	NW	1	bc+	56	92	5	7500	Cu Nb	4	A Cu	6	3
Ross-on-Wye	1022·4	0	NNE	3	cv	66	55	9	4000	St Cu	3	A Cu	7	*
Benson	1021·7	0	NE	1	bc-	66	75	7	*	Cu	1	A Cu	5	*
S. Farnborough	1021·8	0	N	2	c+	63	85	8	4000	St Cu	1	A St	7	*
London (Kew Obs.)	1022·1	0	N	2	0	62	85	8	-	-	0	Ci Cu	9	*
Croydon	1022·0	0	N'W	2 ~~1~~	0	61	65	7	-	-	0	A Cu	10	*
Clacton-on-Sea	1021·6	+1	NNW	3	c	58	45	7	7250	St Cu	8	-	8	0
Shoeburyness	1021·8	+1	NNE	1	c	59	55	8	4000	St Cu	1	A Cu	8	*
Grain	1022·0	0	NNW	2	0v	59	45	9	-	-	0	A Cu	9	0
Lympne	1022·1	0	N	3	cv	58	65	9	2500	Cu	6	A Cu	8	*
Scilly (St. Mary's)	1024·0	0	N	1	b	61	85	8	-	-	0	-	0	2
Falmouth	1025·3	0	N	3	b	63	65	8	-	Cu	1	-	1	*
Plymouth	1023·9	-1	N	4	b-	63	65	9	4000	St Cu	3	-	3	*
Portland Bill	1022·8	0	W	3	b-	63	92	8	-	-	0	Ci Cu	2	3
Calshot	1021·5	0	NW	~~4~~ 2	c-	67	85	8	5500	St Cu	5	-	8	0
Dungeness	1021·5	0	NNE	3	bcv	61	85	9	5500	Cu	1	Ci Cu	5	3
Jersey	1023·6	0	NW	3	b-	64	65	8	-	-	0	A Cu	1	3

London Observations.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. Day	Rainfall. Night	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 Hours ended 0900 G.M.T. 22nd								Yesterday.		To-day.
Kew				*	*	54	-	-	4.4	*	*
Croydon (24 hours ended 0700)	0bccy	C40zy	0	*	*	53	-	-	*	*	*
Greenwich (Royal Obsy.)	01m.0	0c0z	0								
City (Bunhill Row)	c	c	c0	66	52	54	-	-	5.8	48	56
Westminster (St. James' Pk.)	*	*	*	*	*	*			5.3	*	*
Regents Pk. (Botanical Gdns.)	*	*	*	65	54	53	-	-	5.0	44	58
Camden Sq. (Brit. Rainfall)	*	*	*	*	*	*			4.5	*	*
Kensington Palace	0	cbc	*	68	54	54	-	-	*	48	59
Hampstead Observatory	0.0c	0	*	65	55	54	-	-	*	54 (8h.)	59
	*	*	*	63	50	50	-	-	5.2	*	61

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

24 Hr. ended 1800 G.M.T. 21st

South Kensington

Max.	Time	Min.	Time
0.4	20h 20h	0.2	21h 1-4h
0.6	21h 8h		

Kew Observatory

Max.	Time	Min.	Time
0.4	21h 1h	0.2	21h 3h
0.4	21st 10h		

Solar Radiation. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total 1526 joules

Average Rate 25.6 Milliwatts.

Maximum Rate 95 Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from 21st 21h 30m. to 22nd 2h 30m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	5.0	- -	-
δ Ursae Minoris	5.0	- -	-

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

22nd & 23rd June 1921.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.32 / 3.32	11.55 / 11.55	8.18 / 8.18
Greenwich	3.45 / 3.45	12.2 / 12.2	8.19 / 8.19
Wick	3.8 / 3.8	12.14 / 12.14	9.20 / 9.20
Valencia	4.23 / 4.23	12.43 / 12.43	9.3 / 9.3

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.
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"; bc = cloud 0-5; co = cloud 6-10.

Capital letters indicate intensity, 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.	Metres per second.
0	Less than 1.	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

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

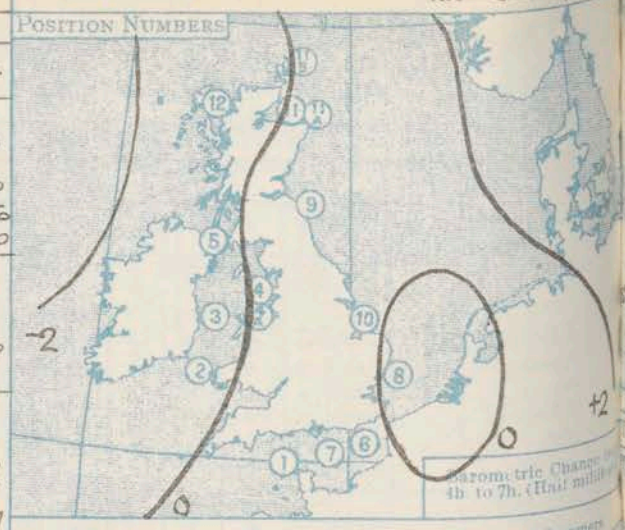
M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 21st	13h.-18h. 21st	18h.-21h. 21st to 1h. 22nd	1h.-7h. 22nd	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL. Day. 7h.-18h.	Night. 18h.-7h.	Precipitation began.	SUN. Hours.
Lerwick	o	b or bc	b or bc	b or bc	46	39	*	-	-	-	*
Stornoway	c	r or d	r or d	oo	49	44	*	5	6	-	0.3
Wick	o	oo	r or d	DDm	48	41	*	*	2	-	*
Castlebay	or d	r. omom	omm	omm	54	52	*	3	-	-	0.0
Nairn	cgd.	d.cd	dc		50	44	*	3		*	0.6
Aberdeen	c	oir	rrm		50	42	41	0.2	9	-	2.0
Malin Head							*				
Renfrew	o	p or d	oid.o	oo	55	?	51	0.1	-	-	1.1
Leith		p r d			56		*	trace			*
Eskdalemuir	c. oy	oir, or t	r.oo	oo	56	47	48	0.3	0.3	-	3.6
Tynemouth	c	p	mdd	lm oo	53	45	*	trace	0.5	-	*
Blacksod Point	c	c	oo	ir	61	52	*	-	0.1	0330	*
Donaghadee	c. b	cg	cm	id.	57	52	*	-	trace	0230	*
Birr Castle	c	c	c		66	49	38	-	-	-	0.0
Baldonnell	o	o	c lm	oo	63	52	45	trace	-	-	0.7
Holyhead	o. bc. o	od. o	c	oo	60	53	53	trace	-	-	2.7
Liverpool (Bidston)	c	c	oo		58	54	50	-	0.2	-	3.8
Manchester (Alex.Pk.)	olm.	od. lm.	mdd.	1001m	61	52	51	-	1	-	*
Howden	c	o	r or d	oo	61	48	45	-	1	-	~~5.6~~ 5.0
Spurn Head	o	c	p	oo	58	48	*	-	0.3	-	*
Nottingham	c	c	oo		63	53	52	-	-	-	3.4
Cranwell	o	o	id.	oo	61	49	48	trace	trace	-	4.7
Gorleston	o	c	r.r.o	d.d.m	56	49	51	*	1	2200	5.2
Pulham	o	oo	p	oo	58	44	47	-	-	-	2.7
Felixstowe	o	oo	p	lm oo	61	50	*	-	trace	2200	3.4
Valencia (Cahirciveen)	b or bc	b or bc	b or bc	c	61	49	40	*	-	-	~~11.9~~ 12.9
Roches Point	c	c	c		69	55	*	-	-	-	*
Pembroke (St.Ann's H.)	o	b or bc	oo	oo	63	53	*	-	-	-	5.3
Ross-on-Wye	or. bc. cy	bcvy	cvov	oco	71	56	52	-	-	-	7.9
Benson	o	c	oo		66	54	49	-	-	-	*
S. Farnborough	o	oo	oo		65	54	52	-	-	-	4.5
London (Kew Obs.)	o. bc. cy	cy. ojy	o	o	62	56	54	-	-	-	4.4
Croydon	olm lmo	o. c. oj	o	o	63	55	53	-	-	-	*
Clacton-on-Sea		og. c	cog	og	60	53	51	-	-	-	1.1
Shoeburyness	id.	c	o	co	63	53	50	trace	-	-	3.3
Grain	c	c	oo		62	54	52	trace	-	-	4.0
Lympne	ocy. id.	c	co	oo	60	52	49	0.2	-	-	3.8
Scilly (St. Mary's)	b, bo	b or bc	b or bc	b or bc	70	52	*	-	-	-	12.1
Falmouth	o.c.o	bc	b	b	65	51	45	-	-	-	10.3
Plymouth	o	b or bc	b or bc	b or bc	66	51	40	-	-	-	7.0
Portland Bill	c	b or bc	b or bc	c	63	58	*	-	-	-	*
Calshot	p. o	oo	b or bc	c	68	53	47	trace	-	-	4.7
Dungeness	p.	b or bc	c	oo	62	55	*	trace	-	-	
Jersey	c	c	b or bc	b	65	54	*	-	-	-	12.0

ISALLOBARS. 22nd June,

POSITION NUMBERS



Temperature reported from Cross Channel and Coastal Steamers

Position Number	3	1	7
Date	21st	21st	22nd
Time G.M.T.	1000	1200	0244
Sea ° F	53	56	56
Air ° F	57	58	57

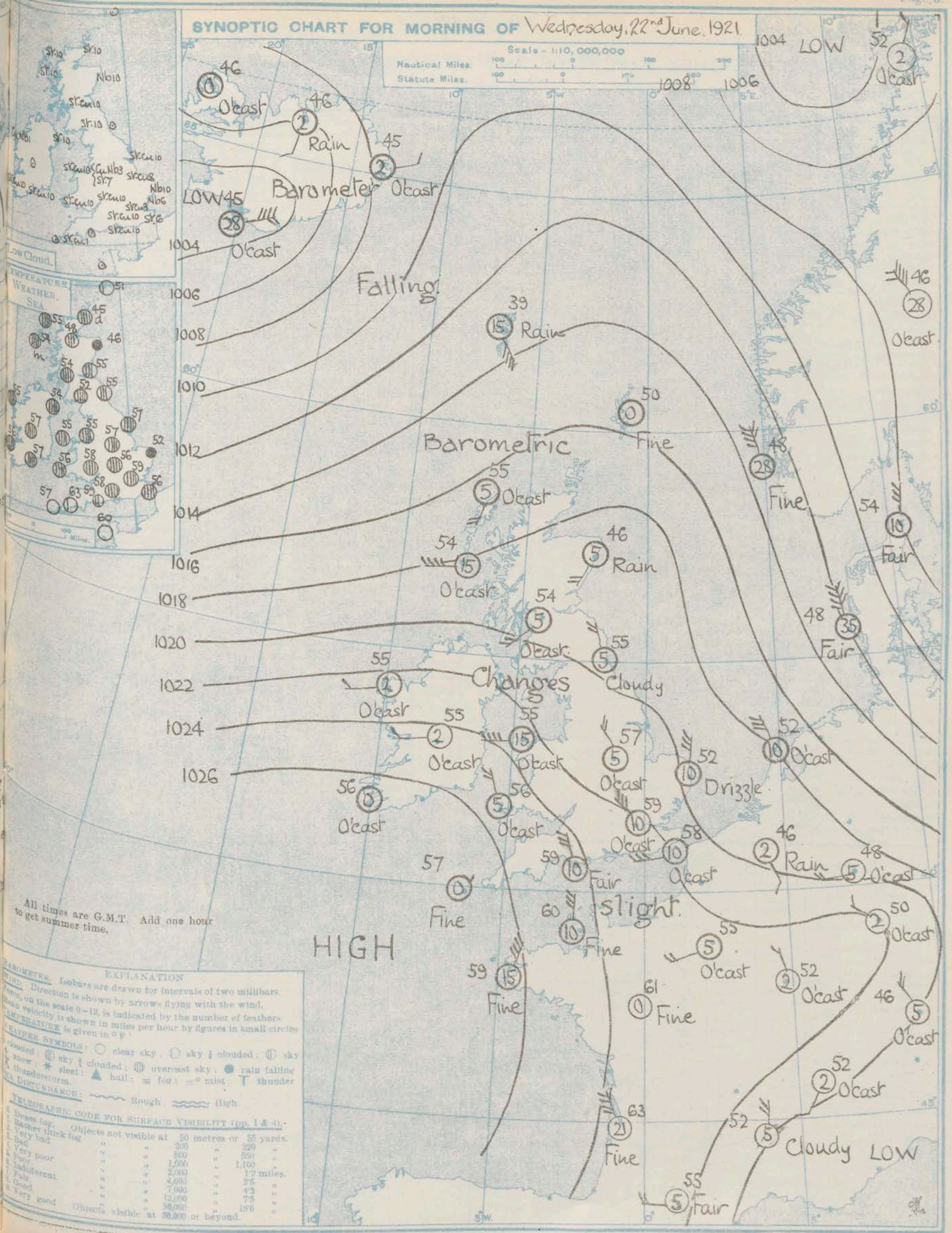
GENERAL INFERENCE.

A depression near Iceland will maintain cool cloudy weather with westerly winds. Some rain is likely in most districts except Southern Ireland and the West of England.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday 22nd June 1921.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Moderate westerly winds; much low cloud, occasional showers but rainfall probably light; visibility good; cool.	Changeable showery weather is probable over the Northern half of the Kingdom but it is doubtful whether a definite break up of the fair weather will occur in the South during the next few days.
4. W. Midlands 5. S.W. England 6. South Wales	Moderate Westerly winds; fair to cloudy; visibility good; cool.	
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Moderate westerly winds; much low cloud, some showers; visibility fair to good; cool.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland	Moderate W. to S.W. winds; much low cloud, some rain; visibility fair to good; cool.	
19. S.E. Ireland 20. S.W. Ireland	Same as 4 - 6.	

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

SYNOPTIC CHART FOR MORNING OF Wednesday, 22nd June, 1921.



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION. WEDNESDAY 22nd JUNE 1921. No. 173

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	1017.1	0	NNW	1	b	39	75	7	-	-	-	A.Cu	3	*
Stornoway	1019.1	0	NW	4	r.r.	*	*	4	*	*	*	*	*	*
Wick	1018.4	+1	SSE	2	odd	43	97	7	800	Sr	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head														*
Renfrew	1019.5	0	WSW	2	0	54	85	8	2500	Sr.Cu	10	-	10	*
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1020.8	+2	WSW	2	bc-	50	85	6	4000	Sr	10	-	10	*
Tynemouth	1019.6	-1	SW	2	odd	46	92	5	-	-	-	A.Sr	10	*
Blacksod Point ...	1024.6	-1	W	1	0	55	97	6	450	Sr	10	-	10	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1025.4	0	WNW	3	0	54	85	8	4000	Sr.Cu	5	A.Sr	9	*
Holyhead	1024.1	0	W'N	4	0	*	*	8	2500	Sr.Cu	10	-	10	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1020.0	-2	WNW	4	0/r	53	92	5	4000	Sr	10	-	10	*
Spurn Head	1020.5	-1	WSW	3	0	50	92	8	-	-	-	A.Sr	10	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1021.4	-1	WNW	4	0/r	53	85	7	1500	Nb	10	-	10	*
Gorleston	1020.6	-1	-	0	0	49	85	8	4000	Nb	5	A.Cu	10	*
Pulham	1020.8	-2	-	0	0/r	49	85	6	2500	Sr	10	-	10	*
Felixstowe	1021.9	-1	W	3	0	54	85	8	2500	Nb	6	A.Sr	10	*
Valencia (Cahirciveen)	1028.1	+1	-	0	0	55	*	7	-	Cu.Nb	10	-	10	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1025.7	0	NW	1	0	55	97	8	3750	Sr.Cu	10	-	10	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew, Obs.) ...	1022.4	0	*	*	*	57	*	*	*	*	*	*	*	*
Croydon	1022.9	0	NW	2	0	56	75	8	2500	Sr.Cu	10	-	10	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1022.1	0	-	0	0	53	85	8	1500	Sr	10	-	10	*
Scilly (St. Mary's) ...	1026.7	0	NNW	1	b	54	97	8	-	-	-	-	0	*
Falmouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plymouth	1025.2	0	NNE	2	b	53	92	8	-	-	-	-	0	*
Portland Bill	1027	+1	NW	3	b	58	92	8	-	-	-	-	0	*
Calshot	1023.5	+1	NNW	2	c+	56	75	8	-	-	-	A.Cu	8	*
Dungeness	1021.5	-1	SW	4	0	55	97	8	-	-	-	C.Sr	10	*
Jersey (Guernsey 1h.)	1024.9	+2	NW	3	b	56	85	9	-	-	-	-	0	*

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	1017.8	+1	-	0	b	50	55	8	-	-	-	Ci	2	0
Stornoway	1016.1	0	SSW	2	0	55	85	7	450	Sr	10	-	10	1
Wick	1017.2	-1	SSE	3	odd	45	97	5	450	Sr.	10	-	10	0
Castlebay	1018.7	0	W	4	ffo	54	85	5	2500	Sr	10	-	10	3
Nairn	1017.1	*	-	0	cg	48	*	*	*	*	*	*	*	1
Aberdeen	1019.0	0	SW'S	2	o.r.	46	97	5	1500	Nb	10	-	10	0
Malin Head														
Renfrew	1019.8	0	SW	2	0	54	85	7	1500	Sr.Cu	10	-	10	*
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1020.2	0	WNW	3	0	52	85	6	2500	Sr.	10	-	10	*
Tynemouth	1018.6	0	NW	2	c-	55	92	8	-	-	-	A.Sr	8	3
Blacksod Point ...	1023.4	-2	W	1	o/r	55	97	8	450	Sr.	10	-	10	1
Donaghadee	1022.1	0	W	2	o/r	54	85	8	4000	Sr.	10	-	10	0
Birr Castle	1025.2	*	W	1	o+	55	85	6	-	-	-	A.Sr	9	*
Baldonnell	1024.9	0	WSW	2	0	54	85	8	2500	Sr	10	-	10	*
Holyhead	1023.9	0	W'S	4	0	55	85	8	2500	Sr.Cu	10	-	10	1
Liverpool (Bidston) ...	1021.9	-1	WNW	4	0	55	75	7	800	Sr.	10	-	10	*
Manchester (Alex.Pk.)	1022.3	0	WNW	3	0	55	75	6	2500	Sr.	10	-	10	*
Howden	1019.6	0	WNW	5	0	56	85	7	-	-	-	~~Ci.Sr~~	~~9~~	*
Spurn Head	1020.3	0	NW	5	0	57	85	8	7250	Sr.Cu	10	-	10	2
Nottingham	1021.3	*	NW	2	0	57	75	5	4000	Nb	8	Ci.Sr	9	*
Cranwell	1021.0	0	NW	4	0	56	75	8	2500	Sr.Cu	8	A.Sr	10	*
Gorleston	1019.3	-1	N'W	3	odd	52	97	5	2500	Nb	10	-	10	0
Pulham	1019.8	+1	WNW	2	0	55	85	6	1500	Sr.	10	-	10	*
Felixstowe	1020.5	+1	NW	4	0	57	75	7	4000	Sr.	10			1
Valencia (Cahirciveen)	1026.6	0	-	0	0	56	75	9	4000	Sr.Cu	10	-	10	0
Roches Point	1026.9	0	NW	2	0	~~57~~	85	8	1500	Sr.Cu	10	-	10	0
Pembroke (St. Ann's H.)	1025.2	0	NW	2	0	56	85	8	3750	Sr.Cu	10	-	10	3
Ross-on-Wye	1023.4	0	NW	3	0	58	65	8	4000	Sr.Cu	10	-	10	*
Benson	1022.8	+1	NW	2	0	56	75	8	-	Sr.Cu	10	-	10	*
S. Farnborough ...	1022.7	0	WNW	4	0	58	75	8	1500	Sr.Cu	10	-	10	*
London (Kew, Obs.) ...	1022.3	0	NW	3	0	59	65	8	2500	Sr.Cu	9	-	9	*
Croydon	1022.3	0	NW	4	0	57	75	8	4000	Sr.Cu	10	-	10	*
Clacton-on-Sea ...	1020.5	0	WNW	4	0	56	75	6	-	-	-	A.Sr	10	0
Shoeburyness	1021.3	0	NW	1	0	57	75	7	2500	Sr.Cu	10	-	10	*
Grain	1021.6	0	WNW	4	0	57	75	8	2500	Sr.Cu	10	-	10	0
Lympne	1021.5	0	NW	2	0	55	85	7	2500	Sr	6	A.Sr	10	*
Scilly (St. Mary's) ...	1026.7	0	-	0	b	57	97	8	-	-	-	-	0	1
Falmouth	1025.6	0	NW	4	b	63	75	8	-	Sr.Cu	1	-	1	*
Plymouth	1025.3	-1	WNW	1	o+	54	97	6	3750	Sr.Cu	10	-	10	*
Portland Bill	1024.8	+3	NW	3	bc+	59	92	7	-	-	-	A.Cu	4	2
Calshot	1023.6	0	NW'N	4	o+	57	75	8	4000	Sr.Cu	10	-	10	0
Dungeness	1021.6	0	W	3	0	58	75	7	-	-	-	C.Sr	10	3
Jersey (Guernsey 1h.)	1024.9	0	N	3	b	60	75	8	-	-	-	-	0	0

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

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 17h.-9h. 20-21 mm.	Rainfall.† Day 9h.-17h. 21st mm.	Sunshine. Sunrise to 17h. 21st hr.	Sunshine. Sunrise to Sunset. 20 hr.
Banff	c.o	or	49	48	0.1	0.2	1.6	1.9
Montrose	o	or	53	42	-	1	0.2	1.4
Llandudno	c	c.o	59	52	0.1	-	3.4	0.0
Colwyn Bay ...	b	bc.bc.o	59	52	-	-	3.4	0.0
Rhyl	c.bc	bc.c	59	52	0.3	-	3.8	0.4
Southport	b.bc	bc.c.o	54	52	-	-	3.4	1.8
Blackpool	c	o	58	52	-	-	4.1	3.1
Harrogate	cf.ec	bc.c.o	60	42	1	-	5.1	6.2
Skegness	6.c	b.o	56	46	2	-	4.6	0.4
Aberystwyth ...	o.c	c.b.bc	59	52	-	-	6.5	0.3
Bath	o.c	bc.b	68	50	-	-	5.4	2.6
Leamington Spa ...	c	bc.b	64	53	-	-	3.4	0.0
Lowestoft	o.c	c.o.c.o	56	46	1	-	2.9	0.5
Felixstowe	09	c	61	48	0.2	-	2.9	1.4
Southend	od.o.c	c.c	63	49	0.4	-	3.4	1.5
Paignton	c.bc.c	bc.b	64	52	-	-	5.4	0.0
Ilfracombe	o.c	c.bc.b	64	55	-	-	6.0	2.8
Bude	wc.bc.c	b	62	56	-	-	9.4	8.4
Penzance	bc	bc.b	64	55	-	-	10.0	5.1
Torquay	c.bc	c.bcy	68	53	-	-	6.9	4.3
Weymouth	c.bc	bc	70	54	-	-	5.0	3.8
Bournemouth ...	bc.bc.c	bc.c	70	52	-	-	2.3	4.6
Portsmouth (S'thsea)	*	*	68	56	-	-	2.9	3.0
Worthing	o.c	c	68	56	-	-	3.5	2.6
Brighton	o	c.o.c	64	56	-	-	1.8	
Eastbourne ...	c.o	c.o	66	56	-	-	3.4	1.4
Hastings	o	o.c.bc	62	53	0.3	-	4.6	1.8
Folkestone	or.o	c.bc	66	51	1	0.1	1.9	1.6
Tunbridge Wells ...	o	bc.b	64	50	-	-	4.0	0.6
Ramsgate	bc	bc	54	49	2	-	2.8	3.3
Margate	o	c	59	50	1	-	1.5	1.9
Deal	od.c	c.bc	61	59	2	1	0.3	5.4

* 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.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 21763 Thursday 23rd June 1921. Page 1.

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	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea 0-9
Lerwick	1015.6	-4	NE'E	4	or	43	75	8		Nb	10	.	10	*
Stornoway	1013.3	-2	S	6	o pd	56	97	7	450	St	10	.	10	*
Wick	1013.5	-2	SSE	3	od₀	50	94	8	5750	St Cu	10	.	10	*
Castlebay	1016.4	-2	NW	4	orr	54	97	3	450	Nb	10	.	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1017.0	-2	SW'S	3	o	55	85	7	4000	St Cu	10	.	10	*
Malin Head														*
Renfrew	1019.8	0	SW	4	o·	58	75	8	1500	St Cu	7	A St	9	*
Leith	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1020.4	0	W'N	3	o	55	75	7	2500	St	10	-	10	*
Tynemouth	1019.3	+1	W	2	o	59	92	8	.	.	0	A St	10	*
Blacksod Point	1022.2	-1	WSW	4	o	61	97	8	450	St	10	.	10	*
Donaghadee	1021.7	0	W	2	o	62	65	8	4000	St	10	.	10	*
Birr Castle	1024.1	*	W	1	c·	65	65	7	2500	St Cu	8	.	8	*
Baldonnell	1024.3	-1	W'S	2	c·	62	65	8	2500	Cu	7	.	7	*
Holyhead	1024.1	0	W'N	4	o	59	85	8	1500	St Cu	10	.	10	*
Liverpool (Bidston)	1023.0	+1	WNW	4	o	57	75	7	1500	Cu Nb	10	.	10	*
Manchester (Alex. Pk.)	1022.7	0	WNW	4	o	59	65	8	1500	St Cu	10	.	10	*
Howden	1020.0	-1	W'S	4	o	63	75	7	4000	St Cu	10	.	10	*
Spurn Head	1021.5	+1	N	3	c·	63	97	8	7250	St Cu	8	.	8	*
Nottingham	1022.0	*	NW	3	o	61	65	5	4000	St Cu	7	Ci St	10	*
Cranwell	1021.7	0	WNW	4	c	61	65	7	2500	St Cu	7	.	10	*
Gorleston	1020.6	+1	N	4	o/f	57	85	8	2500	Nb	7	Ci St	10	*
Fulham	1021.4	+2	NW'N	1	o	58	85	7	2500	St	10	.	10	*
Felixstowe	1022.0	+1	NNW	3	o	60	75	8	1500	St Cu	10	.	10	*
Valencia (Cahirciveen)	1026.2	-1	W	2	ov	60	65	9	4000	St Cu	6	A St	10	*
Roches Point	1026.4	?	NW	1	o	62	75	8	1500	St Cu	10	.	10	*
Pembroke (St. Ann's H.)	1025.8	0	NW	1	o	59	75	8	800	St	10	.	10	*
Ross-on-Wye	1023.4	0	NW	3	c·	66	55	9	4000	St Cu	8	.	8	*
Benson	1022.7	+1	NNW	2	c·	64	55	8	.	Cu	7	.	7	*
S. Farnborough	1022.9	0	NW	2	o·	66	55	8	4000	St Cu	9	.	9	*
London (Kew. Obsy)	1023.1	0	WNW	3	o	62	55	8	4000	St Cu	10	.	10	*
Croydon	1022.9	+1	NW	3	o	61	65	8	4000	St Cu	10	.	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1022.0	+2	WNW	1	o	62	65	7	2500	St Cu	7	A St	10	*
Grain	1023.6	+1	W'N	4	o!	64	65	8	4000	St Cu	10	.	10	*
Lympne	1022.3	+1	NW	3	o	62	65	8	4000	St Cu	10	.	10	*
Scilly (St. Mary's)	1026.6	0	WNW	1	b	65	75	8	4000	Cu	1	.	1	*
Falmouth	1025.6	0	WNW	3	b	71	55	8	*	St Cu	3	.	3	*
Plymouth	1025.0	0	N	2	bc·	68	55	9	4000	Cu	6	.	6	*
Portland Bill	1024.8	0	NW	3	b·	60	92	7	-	-	0	Ci Cu	3	*
Calshot	1023.1	0	NW'N	4	b·	66	55	8	7250	Cu	2	.	2	*
Dungeness	1022.4	+1	N	3	c	64	55	7	5750	Cu	9	.	9	*
Jersey	1025.3	0	WNW	3	b	64	65	8	-	.	0	A Cu	1	*

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	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea 0-9
Lerwick	1009.4	-5	SW	6	orr₀	48	97	5	4000	Nb	10	.	10	5
Stornoway	1012.5	-2	W	3	od	56	85	7	450	St	10	.	10	2
Wick	1017.1	-2	W	3	ofp	58	85	9	800	St	10	.	10	0
Castlebay	1016.5	0	WNW	4	od	54	97	3	450	Nb	10	.	10	4
Nairn	1013.2	*	W	2	c	59	*	*	*	*	*	*	*	*
Aberdeen	1014.3	-3	SW'S	2	or	58	92	5	2500	Nb	10	.	10	0
Malin Head														
Renfrew	1018.8	-2	SW	4	o	57	92	7	1500	St Cu	10	.	10	*
Leith		*					*	*	*	*	*	*	*	*
Eskdalemuir	1020.0	0	SW	2	ofr	53	97	5	1500	Nb	10	-	10	*
Tynemouth	1018.9	-1	W	3	o	60	85	7	.	.	0	A St	10	4
Blacksod Point	1021.4	0	W	3	o	59	97	7	450	St	10	.	10	1
Donaghadee	1020.7	0	W	2	c·	63	65	8	4000	St Cu	8	.	8	1
Birr Castle	1023.8	*	W	1	o+	62	75	6	4000	St Cu	9	.	9	*
Baldonnell	1023.1	-1	WSW	3	o	64	65	8	4000	St Cu	10	.	10	*
Holyhead	1023.3	0	SSW	4	o	57	92	8	4000	St Cu	10	.	10	1
Liverpool (Bidston)	1022.5	-1	W'N	4	c·	61	65	8	4000	St Cu	5	A Cu	7	4
Manchester (Alex. Pk.)	1022.8	0	WNW	3	c·	59	65	8	4000	St Cu	4	A St	9	*
Howden	1021.0	+1	W'N	4	o	60	75	8	2500	St Cu	8	A St	9	*
Spurn Head	1021.5	0	W	3	c	60	75	8	7250	St Cu	8	-	8	1
Nottingham	1022.5	*	WNW	2	o	60	65	5	4000	St Cu	5	Ci St	10	*
Cranwell	1022.7	+1	WNW	4	c·	60	75	7	4000	St	4	A St	9	*
Gorleston	1022.5	+2	E	1	o	60	85	7	5750	St Cu	10	.	10	1
Fulham	1022.6	+2	-	0	o	61	75	7	4000	Cu	10	.	10	*
Felixstowe	1022.2	0	SE	2	o·	61	75	8	2500	St Cu	10	.	10	0
Valencia (Cahirciveen)	1025.4	-1	WSW	3	bc·	59	75	9	1500	Cu	4	A Cu	6	1
Roches Point	1025.6	0	SW	2	o	60	85	8	1500	St Cu	10	.	10	0
Pembroke (St. Ann's H.)	1025.2	0	WSW	1	bc·	57	85	8	5750	St Cu	3	Ci St	4	2
Ross-on-Wye	1022.9	-1	NW	3	bc·	68	55	9	4000	St Cu	2	Ci	3	
Benson	1022.2	0	N	2	bc	67	55	8	-	Cu	5	-	5	*
S. Farnborough	1022.6	-1	NW	2	bc+	71	45	8	4000	Cu	3	Ci Cu	4	*
London (Kew. Obsy)	1022.5	-1	NNE	2	b	67	45	8	.	.	0	Ci	2	*
Croydon	1022.5	0	[illegible]	2	bc·	65	55	8	5750	Cu	1	Ci	4	*
Clacton-on-Sea	1021.9	0	W	3	bc	63	55	6	7200	St Cu	8	.	8	0
Shoeburyness	1022.6	+1	NNW	1	bc·	62	65	7	4000	St Cu	3	A Cu	8	*
Grain	1022.8	0	WNW	3	o·	62	55	8	4000	St Cu	9	.	9	0
Lympne	1022.9	0	NW'W	2	o	61	65	8	2500	St Cu	9	-	9	*
Scilly (St. Mary's)	1025.5	0	-	0	cv	61	85	9	7250	St Cu	8	.	8	1
Falmouth	1024.9	-1	NW	2	b	65	55	8	*	St Cu	2	.	2	*
Plymouth	1024.4	0	N	3	c+	66	65	8	-	.	0	Ci St	7	*
Portland Bill	1024.0	-1	NW'W	2	b	60	92	8	-	.	0	.	0	2
Calshot	1022.1	-1	NW'W	3	bc·	70	55	8	7250	Cu	1	.	1	0
Dungeness	1022.4	0	NW	2	bc	65	55	7	5750	Cu	5	-	5	2
Jersey	1025.1	0	WNW	3	b	63	75	8	-	.	0	A Cu	1	3

London Observations (24 Hours ended 0900 G.M.T.)	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)
Kew				*	*	38	-	-	3.8	*	*
Croydon (24 hours ended 0700)	o	ocyby	bcbwbc	*	*	39	-	-	*	*	*
Greenwich (Royal Obsy.)	o	ocbcy	ocmx						1.7	54	55
City (Bonhill Row)	o	o	c.b.bc	67	46	36	-	-	2.3	*	*
Westminster (St. James' Pk.)	*	*	*	67	49	43	-	-	3.0	55	55
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*			2.6	*	-
Camden Sq. (Brit. Rainfall)	oc	bcc	*	68	49	46	-	-	*	55	56
Kensington Palace	o	obc	*	67	47	42	-	-	*	50 (18h)	56
Hampstead Observatory	*	*	*	64	54	40	-	-	2.9	*	61

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

24 Hr. ended 1800 G.M.T. 22nd

South Kensington

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

Kew Observatory

Max.	Time.	Min.	Time.
0.4	21st 22h	0.2	21st 24h
0.4	22nd 2h		

Solar Radiation. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total 1187 joules

Average Rate 19.1 Milliwatts.

Maximum Rate 53 Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from 22nd 21 h 30 m. to 23rd 2 h 30 m.

Stars.	Exposure h. m.	Record h. m.	Record %
Polaris	5.0	4.50	97
δ Ursae Minoris	5.0	4.1	80

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

23rd & 24th June 1921.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.32 3.32	11.55 11.55	8.18 8.18
Greenwich	3.45 3.45	12.2 12.2	8.19 8.19
Wick	3.8 3.8	12.14 12.14	9.20 9.20
Valencia	4.23 4.23	12.43 12.43	9.3 9.3

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.
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"; bc = cloud 0-5; co = cloud 6-10.

Capital letters indicate intensity, 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.	Metres per second.
0	Less than 1.	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

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

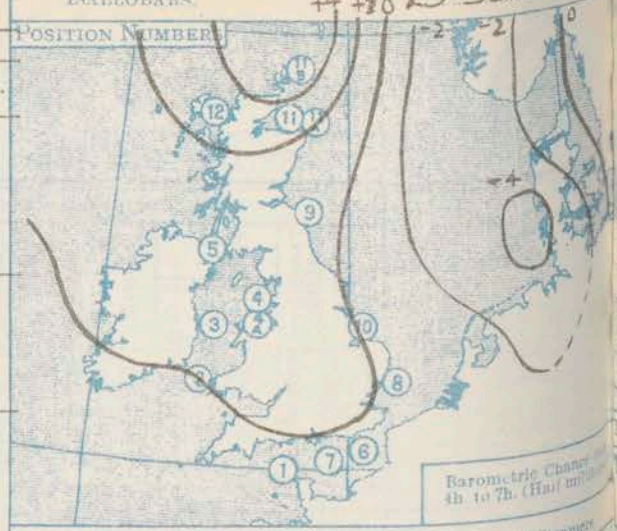
M.O. Form 2370.

Summaries for the Past 24 Hours.

Stations.	Weather. 7h.-13h. 22nd	Weather. 13h.-18h. 22nd	Weather. 18h. 22nd 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.	Rainfall.† Night. 18h.-7h.	Rainfall.† Precipitation began.	Sun. Hours.
Lerwick	ir	r.r.	r.r. fom	m r.r.	51	47	•	2	3	-	•
Stornoway	r. d		00	00	57	45	•	1	trace	-	0.0
Wick	r. d	id. o	c	00	58	50	•	0.5	-	-	•
Castlebay	orr	rddff	df rf	rff	54	53	•	2	2	-	0.0
Nairn	cg	od. g	cg bc		61	46	•		1	*	0.7
Aberdeen	ir. o	oir.	ir. cb		59	57	52	2	02	-	0.1
Malin Head							•				
Renfrew	of	op	dfd od d	00	59	53	54	•	0.1	-	0.1
Leith (Inchkeith) ...			00			54		-	-	-	•
Eskdalemuir	ir. o	oir. m	ir. ir	cir.	58	52	52	1	3	-	0.1
Tynemouth	o	im	im. ir	r.r.	62	56	•	•	4	-	•
Blacksod Point ...	o	c	00	r or d	62	55	•	•	0.1	0530	•
Donaghadee	cv	cv	om	mir	64	55	•	•	04	0330	•
Birr Castle	c	c	o		65	51	42	•	-	-	4.1
Baldonnell	o	omp	00	00	65	51	44	trace	-	-	0.9
Holyhead	o	o. b. o	00	00	62	54	55	•	-	-	1.1
Liverpool (Bidston) ...	c	c	c		61	56	55	•	-	-	2.1
Manchester (Alex.Pk.)	o	o	cim	oim	61	54	49	•	-	-	•
Howden	o	o	00	r or d	?	55	51	?	trace	0430	1.1
Spurn Head	o	c	c	00	64	54	•	-	-	-	•
Nottingham	o	o	00		62	54	49	-	-	-	0.2
Cranwell	o	o	00	00	60	54	51	•	-	-	0.8
Gorleston	am. ir	o	00	00	61	50	48	-	-	-	0.0
Pulham	c	o	00	00	62	47	41	•	-	-	0.2
Felixstowe	o	o	c	c	63	55	*	•	-	-	0.3
Valencia (Cahirciveen)	o	c	b or bc	00	61	55	54	-	-	-	2.1
Roches Point	00	o	00		64	54	•	•	-	-	•
Pembroke (St. Ann's H.)	o	c	b or bc	b or bc	60	54	•	•	-	-	1.7
Ross-on-Wye	a.cv. ov	bcv. by	brcv br.	brcbcv	72	42	36	•	-	-	7.6
Benson...	o	b or bc	b or bc		71	40	33	•	-	-	•
S. Farnborough ...	o	b or bc	b or bc		71	41	39	•	-	-	6.2
London (Kew Obsy) ...	o	cy. cy. by	bc bz	bzbrbcz	67	48	38	•	-	-	3.8
Croydon	o	a.c. bcy	bcc im(s)	ocimim	66	43	39	•	-	-	•
Clacton-on-Sea ...	o	cg. cy	cz	cz	64	54	[illegible]	•	-	-	0.2
Shoeburyness	o	c	bc	c	65	47	38	•	-	-	0.1
Grain	o	o	c		64	48	40	•	-	-	0.1
Lympne	o	o	00	00	62	50	37	•	-	-	0.3
Scilly (St. Mary's) ...	b or bc	b or bc	00	00	66	55	•	•	-	-	11.9
Falmouth	b. e. b	b	00		71	55	50	•	-	-	14.3
Plymouth	c	b or bc	b or bc	00	69	49	[illegible]	•	-	-	11.2
Portland Bill	b. bc	b or bc	b or bc	b or bc	63	54		•	-	-	•
Calshot	c	b or bc	b or bc	b or bc	71	50	[illegible]	•	-	-	11.6
Dungeness	c	c	b or bc	c	69	55		•	-	-	•
Jersey	b	b	c	bw	67	49	•	-	-	-	14.0

Isallobars.

Position Number



Temperature reported from Cross Channel and Coastal Steamers.

Position Number	3	7	6
Date	23	23	23
Time G.M.T.	0300	0235	0300
Sea °F	53	57	58
Air °F	58	57	63

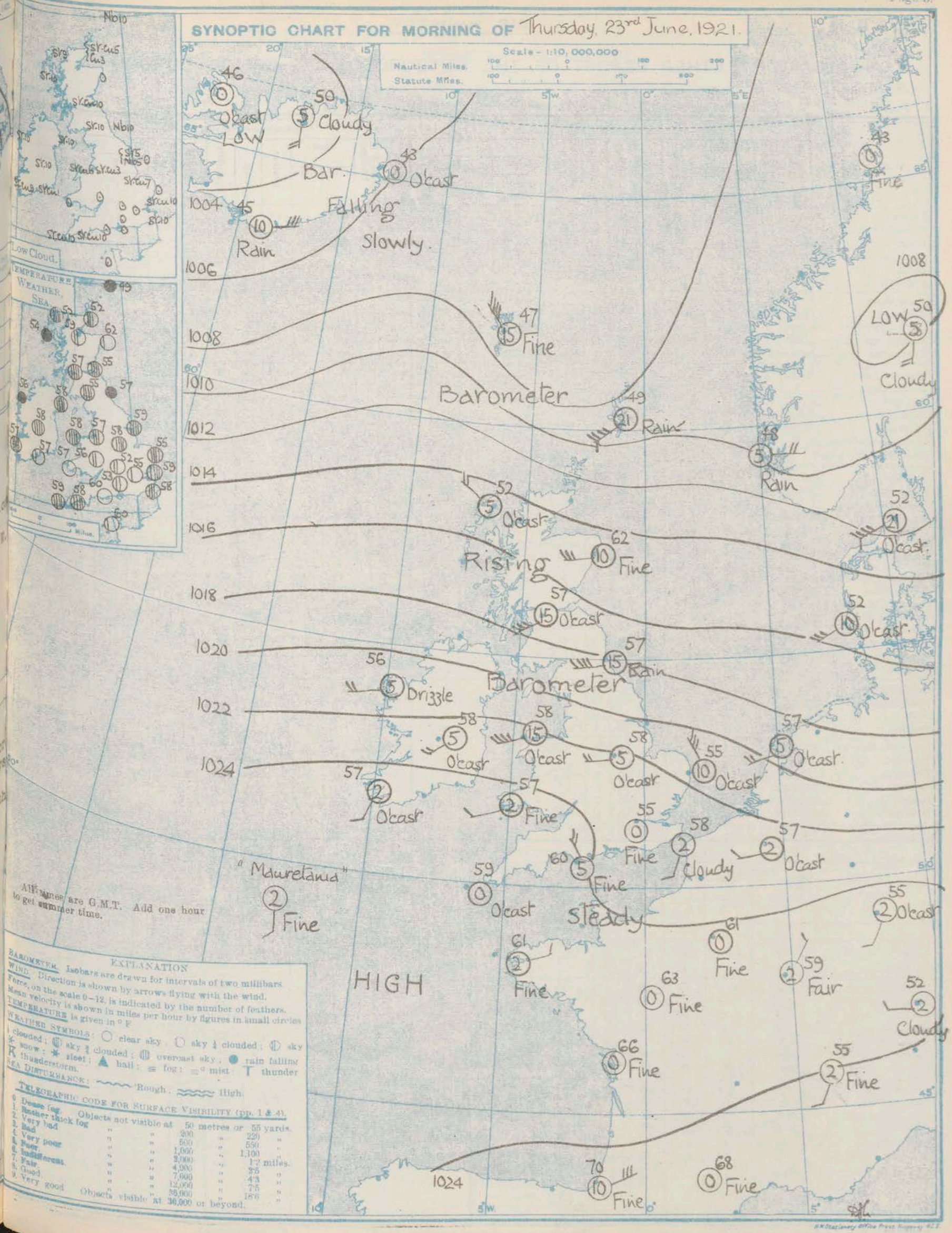
General Inference.

Showers are probable over the Northern half of the Kingdom but there are still no indicatio of rain spreading to the South. The wind will be from W. or S.W. generally and rather higher temperatures may be expected over the Eastern and inland districts of England and Scotland.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Thursday June 23rd 1921.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Light to moderate Westerly winds; fair; visibility good; rather high temperature.	Mainly fair for at least two days in the South of England and South of Ireland.
5. S.W. England 6. South Wales	Light to moderate Westerly winds; fair; visibility good; rather warmer than of late.	
7. North Wales 8. N.W. England 9. N. Midlands	Moderate W. to S.W. winds, freshening; varying amount of low cloud; occasional showers locally; visibility good; moderate temperature.	
10. N.E. England 11. E. Scotland 12. S.W. Scotland	Moderate W. to S.W. winds; mainly fair, occasional slight showers locally; visibility good; rather high temperature.	
13. Isle of Man 14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland	Same as 7 - 9.	
19. S.E. Ireland 20. S.W. Ireland	Light to moderate S.W. wind; fair; visibility good; moderate temperature.	

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

Pa 3183/369 wt 112 D 621 24750 6/21


SYNOPTIC CHART FOR MORNING OF Thursday, 23rd June, 1921.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
Low Cloud.
TEMPERATURE
WEATHER.
SEA.
Low
Bar. Falling Slowly.
Barometer Rising
Barometer Steady
HIGH
"Mauretania"
All times are G.M.T. Add one hour to get summer time.
EXPLANATION
BAROMETER. Isobars are drawn for intervals of two millibars
WIND. Direction is shown by arrows flying with the wind.
Force, on the scale 0–12, is indicated by the number of feathers.
Mean velocity is shown in miles per hour by figures in small circles
TEMPERATURE is given in ° F
WEATHER SYMBOLS: clear sky; sky ¼ clouded; sky ½ clouded; sky ¾ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
SEA DISTURBANCE: Rough; High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY (pp. 1 & 4).
0 Dense fog. Objects not visible at 50 metres or 55 yards.
1 Rather thick fog " " 200 " 220 "
2 Very bad " " 500 " 550 "
3 Bad " " 1,000 " 1,100 "
4 Very poor " " 2,000 " 1·2 miles.
5 Poor " " 4,000 " 2·5 "
6 Indifferent " " 7,000 " 4·3 "
7 Fair " " 12,000 " 7·5 "
8 Good " " 30,000 " 18·6 "
9 Very good Objects visible at 30,000 or beyond.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Thursday 23rd JUNE 1921. No. 174

Observations at 0100 G.M.T. 23rd

Stations.	Barom. at M.S.L. m.b.	Change in 3 Hours.‡	Wind. Direc. (WSW)	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	1007.6	0	~~SSW~~	5	fo+	48	97	4	1500	Nb	10	-	10	*
Stornoway	1013.6	+2	W	4	co	*	*	*	*	*	*	*	*	*
Wick	1010.9	-1	W	2	o	56	92	8	5750	Sr.Cu	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head														*
Renfrew	1017.7	0	SW	4	odd	56	92	8	2500	Nb	10	-	10	*
Leith (Inchkeith) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1018.8	0	SW	2	opr	55	85	6	1500	Sr.	10	-	10	*
Tynemouth	1018.8	0	SW	1	or-	58	92	7	5750	Nb	10	-	10	*
Blacksod Point ...	1021.3	-2	W	3	o-	56	97	7	450	Sr.	10	-	10	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1023.5	0	W'S	1	o	57	85	8	4000	Sr.Cu	10	-	10	*
Holyhead	1022.7	-1	SW'W	4	o	*	*	8	1500	Sr.Cu	10	-	10	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1021.0	0	SW	2	o-	55	92	8	5750	Sr	4	A.Cu	10	*
Spurn Head	1021.9	0	W	3	o+	57	85	8	7250	Sr.Cu	10	-	10	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1022.6	0	W'S	2	o	55	85	7	2500	Sr.Cu	10	-	10	*
Gorleston	1021.5	-1	W'N	3	o	53	92	7	-	-	-	A.Sr.	10	*
Pulham	1022.3	0	-	0	o	51	92	6	2500	Sr.Cu	10	-	10	*
Felixstowe	1022.0	0	W	2	bc	56	85	8	4000	Sr.Cu	4	A.Sr.	6	*
Valencia (Cahirciveen)	1025.3	+1	W'N	2	c+	57	*	7	*	Sr.Cu	8	-	8	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (Stackhouse H.)	1024.9	0	WSW	1	b	55	92	8	-	-	-	-	0	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy)...	1023.1	0	*	*	*	53	*	*	*	*	*	*	*	*
Croydon	1023.5	-1	S	2	c+	50	85	7	-	-	-	A.Cu	7	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1027.6	0	-	0	o	52	92	6	2500	Sr.	10	-	10	*
Scilly (St. Mary's) ...	1026.1	0	W	1	o	56	85	9	5750	Sr.Cu	10	-	10	*
Falmouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plymouth	1025.0	0	NE	1	c+	52	85	8	5750	Sr.Cu	8	-	8	*
Portland Bill	1024.0	0	NW	3	b	59	92	8	-	-	-	-	0	*
Calshot	1023.5	0	NW	1	b	52	85	8	-	-	-	-	0	*
Dungeness	1023.1	+1	SW	1	b-	56	97	6	-	-	-	A.Cu	2	*
Jersey (Guernsey 1h.)	1025.3	+1	NW	2	b	57	92	8	-	-	-	-	0	*

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	1008.8	?	SW'W	5	orr	49	92	4	2500	Ci	10	-	10	4
Stornoway	1015.8	+1	WNW	2	o-	52	85	8	800	Sr.	9	-	9	1
Wick	1013.4	+4	NW	2	c-	52	85	8	4000	Sr.Cu	8	-	8	0
Castlebay	1016.9	+2	W	2	odd	54	92	3	450	Sr	10	-	10	2
Nairn	1014.7	*	W	1	bc	59	*	*	*	*	*	*	1	0
Aberdeen	1015.2	+2	W	3	b-	62	65	8	-	-	-	Ci		
Malin Head														
Renfrew	1018.2	0	SW	4	o	57	85	8	800	Sr.Cu	10	-	10	*
Leith (Inchkeith) ...	1015.7	+1	WNW	6	o	55	85	9	-	Sr.Cu	6	A.Sr	9	0
Eskdalemuir	1019.3	0	WSW	4	o	55	85	6	1500	Sr.Cu	10	-	10	*
Tynemouth	1018.1	+1	W	4	orr	57	97	8	5750	Nb	10	-	10	2
Blacksod Point ...	1020.9	+1	WSW	2	odd	56	97	4	450	Sr.	10	-	10	1
Donaghadee	1020.1	0	W	2	o/r	58	85	8	450	Sr	10	-	10	0
Birr Castle	1023.6	*	WSW	2	o+	58	85	6	450	Sr.	10	-	10	*
Baldonnell	1023.3	0	WSW	3	o-	57	75	8	1500	Sr.	6	A.Cu	9	*
Holyhead	1022.7	0	SW'W	4	o	58	85	8	4000	Sr.Cu	6	A.Sr	9	1
Liverpool (Bidston) ...	1021.9	0	WSW	4	c-	57	75	8	2500	Sr.Cu	3	Ci	7	3
Manchester (Alex.Pk.)	1022.1	0	WSW	4	o	59	75	6	4000	Sr.Cu	10	-	10	*
Howden	1020.5	0	SW'S	5	orr	59	85	7	2500	Sr.	10	-	10	*
Spurn Head	1020.2	0	W	4	o	59	92	8	-	-	-	A.Sr	10	1
Nottingham	1022.1	*	W	2	o-	58	85	5	4000	Sr.Cu	4	Ci.St	9	*
Cranwell	1021.9	0	WSW	4	o-	60	75	7	4000	Sr.Cu	7	Ci	9	*
Gorleston	1021.8	0	NW	3	o	55	85	7	-	-	-	A.Sr	10	0
Pulham	1022.1	0	W	2	o	57	85	7	2500	Sr.	10	-	10	*
Felixstowe	1022.7	0	WNW	2	o	59	75	8	5750	Sr.Cu	10	-	10	0
Valencia (Cahirciveen)	1024.7	0	S'W	1	o-	57	85	9	2500	Sr.Cu	9	-	9	0
Roches Point	1025.3	0	WNW	1	b	57	85	8	4000	Sr.Cu	1	-	1	0
Pembroke (Stackhouse H.)	1024.8	0	WSW	1	b	57	85	8	-	-	-	-	0	1
Ross-on-Wye	1023.6	0	SW'W	2	bc	56	75	9	-	-	-	Ci	6	*
Benson...	1023.4	+1	-	0	bc	52	85	7	-	-	-	Ci	4	*
S. Farnborough ...	1023.1	0	W	2	bc+	53	85	8	-	-	-	Ci	4	*
London (Kew Obsy)...	1023.4	0	-	0	bc	55	75	6	-	-	-	A.Cu	5	*
Croydon	1023.5	+1	N'W	1	c-	56	85	6	-	-	-	A.Sr	8	*
Clacton-on-Sea ...	1022.7	0	W	2	c	59	75	6	7250	Sr.Cu	6	A.Cu	8	0
Shoeburyness	1022.8	0	-	0	bc	61	65	6	-	-	-	Ci.Sr	6	*
Grain	1022.7	0	-	0	c-	60	75	6	-	-	-	Ci.Sr	8	0
Lympne	1023.0	0	-	0	o	55	97	6	800	Sr.	10	-	10	*
Scilly (St. Mary's) ...	1025.8	0	-	0	o	59	85	9	5750	Sr.Cu	10	-	10	0
Falmouth	1025.2	0	NW	1	o	58	75	8	-	Sr.Cu	10	-	10	*
Plymouth	1024.9	0	NE	1	o	54	85	8	4000	Sr.Cu	10	-	10	b
Portland Bill	1024.0	0	NW	2	b	60	92	8	-	-	-	-	0	0
Calshot	1023.7	0	NW	3	b	56	85	8	-	-	-	Ci	2	0
Dungeness	1022.5	-1	SW	1	c+	58	92	7	2500	Sr	8	-	8	2
Jersey (Guernsey 1h.)	1025.0	0	NW	2	b	60	75	8	-	-	-	Ci	1	0

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 22nd June

Stations.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 17h.-9h. 21-22 mm.	Rainfall.† Day 9h.-17h. 22 mm.	Sunshine. Sunrise to 17h. 22 hr.	Sunshine. Sunrise to Sunset. 21 hr.
Banff	o	or	58	41	Y	1	0·0	1·6
Montrose	or	or	62	43	3	1	0·6	0·2
Llandudno	c	o.c	62	54	-	-	1·0	3·4
Colwyn Bay ...	o.bc.	bc	63	54	-	-	0·4	3·4
Rhyl...	c	c	63	53	0·2	-	0·3	3·8
Southport	o	c.o	60	53	1	-	0·4	3·4
Blackpool	c.o	c	61	53	0·6	-	1·4	4·1
Harrogate	bc.c	c	65	50	-	-	1·9	5·1
Skegness	o.c	bc	61	48	-	-	0·4	4·6
Aberystwyth ...	o.c	c.o	61	55	-	-	6·6	6·5
Bath	bc.b	b	70	56	-	-	7·5	5·8
Leamington Spa ...	o.c.b	c.b	64	53	-	-	0·5	5·2
Lowestoft	op	op	60	48	0·4	0·3	0·0	2·9
Felixstowe	og	og	62	51	-	-	0·0	2·9
Southend	o	o	65	53	-	-	0·0	4·1
Paignton	o.c.bc	bc	72	49	-	-	9·5	8·1
Ilfracombe	o.c	c.bc	61	56	-	-	3·6	8·4
Bude	c	c.bc.c	64	44	-	-	4·6	11·8
Penzance	b.bc.	bc	70	54	-	-	11·5	12·0
Torquay	c.bc	b	72	53	-	-	10·4	9·3
Weymouth	c.bc	bc.b	75	51	-	-	8·3	7·1
Bournemouth ...	b.o.b	b	73	50	-	-	10·0	4·8
Portsmouth (S'thsea)	*	*	72	55	-	-	10·0	3·4
Worthing	c.bc	bc.b	68	56	-	-	7·0	5·3
Brighton	o.c	c.bc	69	54	-	-	4·0	1·9
Eastbourne	o	c	64	56	-	-	3·0	3·4
Hastings	m.o.c	c.bc	66	54	-	-	2·2	5·6
Folkestone	o	c	65	50	-	-	0·7	2·0
Tunbridge Wells ...	o	o.c.bc	65	54	-	-	1·1	4·4
Ramsgate	o	o	62	51	-	-	0·2	3·5
Margate	o	o	62	53	-	-	0·0	1·6
Deal	o	o	64	52	-	-	0·3	0·6

* 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.21764 FRIDAY 24th JUNE 1921.

Observations at 1300 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	1011·3	0	WN	6	bcp/c	49	85	6	-	Nb	6	·	6	*
Stornoway	1019·5	+2	WNW	1	c	63	65	8	4000	Cu	8	·	8	*
Wick	1016·0	+3	NNW	2	bc-	59	85	9	5/50	Cu	2	A Cu	4	*
Castlebay	1019·5	+2	WNW	4	of	55	92	4	450	St	10	·	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1016·7	+2	SSE	3	bc+	69	55	9	4000	Cu	5	·	5	*
Malin Head	1020·7	+1	WSW	4	o	56	97	2	450	St.	10	–	10	*
Renfrew	1020·0	+1	SW	4	bc	62	85	8	1500	St Cu	8	Ci St Cu	10	*
Leith (INCHKEITH)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1020·5	+2	W	2	o	60	85	8	1500	St	10	-	10	*
Tynemouth	1019·3	+1	WNW	3	c·	64	85	7	5/50	Cu	5	A Cu	8	*
Blacksod Point	1022·0	+2	WSW	2	o	55	97	4	450	St	10	·	10	*
Donaghadee	1021·6	+1	W	3	c·	65	75	8	4000	St Cu	5	A Cu	7	*
Birr Castle	1024·2	*	SW	1	o·	64	75	7	-	·	0	A St	9	*
Baldonnell	1024·1	+2	SW	4	o	65	75	7	2500	St Cu	9	A St	10	*
Holyhead	1023·9	+1	SW'S	4	o·	61	85	8	4000	St Cu	7	A St	9	*
Liverpool (Bidston)	1023·0	+1	W	5	bc·	63	65	7	2500	St	4	Ci Cu	6	*
Manchester (Alex.Pk.)	1021·6	0	WNW	5	ov	67	55	9	2500	St Cu	10	-	10	*
Howden	1026·3	+1	WSW	4	o·	66	75	6	4000	St Cu	6	A St	9	*
Spurn Head	1020·1	0	W	5	c·	64	75	8	4000	St Cu	5	A Cu	7	*
Nottingham	1022·7	*	W	3	o	66	65	5	2500	Cu Nb	1	A St	10	*
Cranwell	1022·1	0	WNW	4	c	67	65	8	2500	St Cu	8	A St	10	*
Gorleston	1022·0	0	NNW	2	c·	68	85	8	5/50	St Cu	4	A Cu	7	*
Pulham	1022·1	0	W	2	o	69	65	8	4000	St Cu	10	·	10	*
Felixstowe	1023·0	0	SSE	4	o·	64	75	8	5/50	St Cu	8	A Cu	9	*
Valencia (Cahirciveen)	1025·0	0	WNW	2	b·	62	75	9	4000	Cu	2	A St	3	*
Roches Point	1025·8	0	SSW	3	b	62	85	8	·	·	0	·	0	*
Pembroke (St. Ann's H.)	1025·6	0	W	1	bv	62	75	9	·	·	0	·	0	*
Ross-on-Wye	1023·0	0	W	3	bv	74	45	9	4000	St Cu	4	·	4	*
Benson	1022·6	-1	W	1	bv	74	45	9	·	Cu	1	Ci	2	*
S. Farnborough	1022·6	0	WNW	2	b·	74	45	8	5/50	Cu	2	·	2	*
London (Kew Obsy.)	1022·8	-1	NW	1	b·	71	49	8	5/50	Cu	1	·	1	*
Croydon	1022·8	-1	NNW	1	b·	73	55	7	5/50	Cu	3	·	3	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1022·9	0	SE	1	bc	67	65	6	5/50	Cu	5	-	5	*
Grain	1022·9	0	ESE	3	bc	70	55	8	4000	St Cu	3	A St	5	*
Lympne	1023·1	0	S	3	bc	66	75	7	4000	St Cu	6	·	6	*
Scilly (St. Mary's)	1025·0	0	-	0	bc	66	65	9	7/50	St Cu	4	·	4	*
Falmouth	1025·1	-1	SE	2	b	64	65	8	-	·	0	·	0	*
Plymouth	1024·6	-1	SSW	2	bv	61	75	9	-	·	0	·	0	*
Portland Bill	1024·0	0	WNW	4	b	60	92	8	-	·	0	·	0	*
Calshot	1025·6	0	SW'S	4	b·	68	55	8	-	·	0	Ci	1	*
Dungeness	1023·3	0	SW	3	bc/f	63	75	7	1500	St	4	·	4	*
Jersey	1025·4	0	WNW	2	b	66	55	8	-	·	0	·	0	*

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	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1015·4	?	WNW	5	c+	49	85	7	-	·	0	A St	7	4
Stornoway	1018·9	+2	WSW	3	b+	57	85	8	5/50	St Cu	9	·	9	4
Wick	1017·8	+2	NNW	2	c+	56	92	8	5/50	St Cu	8	·	8	0
Castlebay	1021·1	+2	W	3	?	54	94	3	450	St	10	·	10	2
Nairn	1018·0	*	W	2	c	61	*	*	*	*	*	*	*	*
Aberdeen	1019·0	+3	E'S	2	bc	59	75	8	4000	Cu	1	Ci	4	0
Malin Head	1022·4	+4	W	2	fo-	55	97	6	450	St.	10	–	10	
Renfrew	1021·9	+3	WSW	2	ov	61	85	9	1500	St Cu	10	·	10	*
Leith (INCHKEITH)	*						*	*	*	*	*	*	*	*
Eskdalemuir	1021·5	+2	W	3	o·	60	75	8	2500	St	10	·	10	*
Tynemouth	1020·2	0	W	3	o	68	92	8	4000	Cu	3	Ci Cu	8	3
Blacksod Point	1022·6	+1	WSW	2	o	58	92	4	450	St	10	-	10	0
Donaghadee	1021·9	-1	WSW	3	bc+	69	65	8	4000	Cu Nb	5	·	5	1
Birr Castle	1023·9	*	SW		o		75	7	-	·	0	A St	9	*
Baldonnell	1024·3	0	W	3	o	66	75	8	2500	St Cu	10	·	10	*
Holyhead	1024·1	0	SW'S	4	o	60	85	8	2500	St Cu	10	·	10	1
Liverpool (Bidston)	1023·7	+1	W	3	c+	63	65	6	2500	Cu	2	Ci Cu	7	3
Manchester (Alex.Pk.)	1024·0	+1	WNW	3	o	62	75	8	2500	St	10	·	10	*
Howden	1022·1	+1	W'N	4	b·	66	85	7	4000	Cu	2	Ci St	3	*
Spurn Head	1021·3	+1	W	2	c	64	85	8	-	Cu Nb	4	A St	8	1
Nottingham	1023·2	*	WNW	3	b·	69	65	6	4000	Cu	1	·	1	*
Cranwell	1022·3	+1	WNW	4	c·	70	65	8	4000	St Cu	7	·	7	*
Gorleston	1021·4	0	-	0	c·	63	85	7	7/50	St Cu	7	·	7	0
Pulham	1022·2	+1	NW	1	c·	69	55	7	2500	Cu	8	·	8	*
Felixstowe	1022·8	0	SE	3	o	63	75	8	5/50	St Cu	8	-	8	2
Valencia (Cahirciveen)	1024·0	-2	W'S	2	b	60	75	9	·	·	0	Ci Cu	3	1
Roches Point	1025·2	-1	SSW	3	b+	62	85	8	·	·	0	Ci	2	0
Pembroke (St. Ann's H.)	1025·4	0	W	2	bv	60	85	9	·	·	0	·	0	1
Ross-on-Wye	1022·7	-1	NNW	2	bv	75	45	9	-	·	0	·	0	*
Benson	1022·1	0	NNW	2	bv	78	45	9	·	·	0	·	0	*
S. Farnborough	1022·0	0	NW	2	b	77	45	8	·	·	0	·	0	*
London (Kew Obsy.)	1022·1	0	NNW	2	bv	78	45	9	·	·	0	·	0	*
Croydon	1022·3	0	NNW	2	b	77	45	9	·	·	0	·	0	*
Clacton-on-Sea	1022·6	0	S	3	bc+	63	75	7	7/50	St Cu	6	·	6	0
Shoeburyness	1022·6	0	SE	1	b·	70	65	7	·	·	0	A Cu	2	*
Grain	1022·3	0	SSE	4	b	70	65	8	·	·	0	A Cu	2	0
Lympne	1023·3	0	SE	2	b	63	85	8	·	·	0	·	0	·
Scilly (St. Mary's)	1025·5	0	·	0	b	64	75	8	·	·	0	·	0	0
Falmouth	1024·8	0	NNW	1	b	67	65	8	·	·	0	·	0	*
Plymouth	1024·3	0	SSW	3	b	61	85	8	–	–	-	Ci St	2	*
Portland Bill	1024·0	0	WNW	4	b	60	92	8	·	·	0	·	0	2
Calshot	1023·2	0	SW'S	5	b	63	75	8	·	·	0	·	0	0
Dungeness	1023·3	0	SW	2	b	61	85	8	·	·	0	·	0	2
Jersey	1024·4	0	WNW	3	b	66	65	8	·	·	0	·	0	0

London Observations

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. Day mm	Rainfall. Night mm	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %
	24 Hours ended 0900 G.M.T. 24								Yesterday.	To-day.	
Kew	bcb.by	by	byb.bz	*	*	49	-	-	12.7	*	*
Croydon (24 hours ended 0700)	obc bm	by 12	bymbzw	*	*	46	-	-	*	*	*
Greenwich (Royal Obsy.)	cz	b	b	80	56	45	-	-	11.7	40	55
City (Bunhill Row)	*	*	*	*	*	*			11.3	*	*
Westminster (St. James' Pk.)	*	*	*	78	60	55	-	-	12.0	41	55
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*			11.4	*	
Camden Sq. (Brit. Rainfall)	b	b	*	81	58	53	-	-	*	40	58
Kensington Palace	b.bc	b	*	79	64	52	-	-	*	43 (18h.)	60
Hampstead Observatory	*		*	78	56	50	-	-	11.6	*	58

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

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

South Kensington

Max.	Time.	Min.	Time.
0·4	22nd 23h.	<0·2	23rd 14h.
0·6	23rd 8-9h.		

Kew Observatory

Max.	Time.	Min.	Time.
0·4	22nd 22h.	0·2	23rd 15h.
0·6	23rd 7h.		

Solar Radiation. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total 2443 joules

Average Rate 41.0 Milliwatts.

Maximum Rate 88 Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from 23rd 21 h 30 m. to 24 2 h 30 m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	5.0	5.0	100
δ Ursae Minoris	5.0	5.0	100

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

24 & 25 June 1921.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.32	11.55	8.18
	3.32	11.55	8.18
Greenwich	3.45	12.2	8.19
	3.45	12.2	8.19
Wick	3.8	12.14	9.20
	3.8	12.14	9.20
Valencia	4.23	12.43	9.3
	4.23	12.43	9.3

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.
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"; bc = cloud 0-5; co = cloud 6-10.

Capital letters indicate intensity, and repetition of letters continuity, thus:—
R = heavy rain.
rr = continuous moderate rain.
$r_o r_o$ = continuous light rain.

Sea Disturbance.

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

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

Beaufort No.	Statute miles per hour.	Metres per second.
0	Less than 1.	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

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

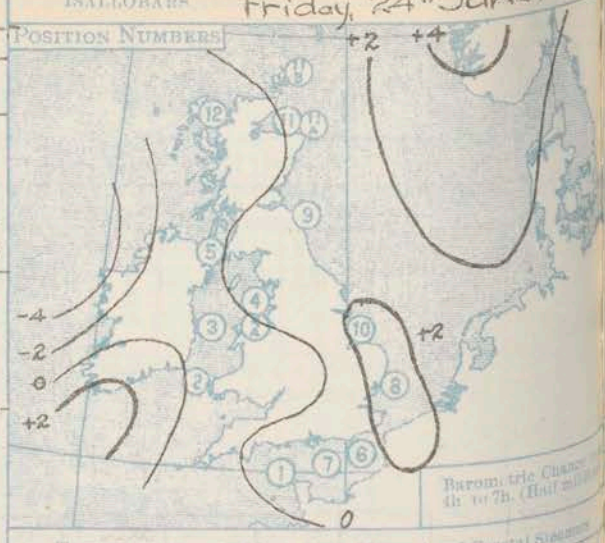
M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 23rd	13h.-18h. 23rd	18h. 23rd to 1h. 24	1h.-7h. 24	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h.	Night. 18h.-7h.	Precipitation began.	SUN. Hours.
Lerwick	f	c	oo	i.bdf	51	48		-	-	-	
Stornoway	c	c	c	oo	69	52		-	-	-	5.9
Wick	c	c	c	c	62	50		-	-	-	
Castlebay	dfom.	mo.fle	dfeof	dfodf	55	52		0.1	1	-	0.4
Nairn	bcq	qe.bc	cbcc		71	52		-	-	-	10.6
Aberdeen	b or bc	b or bc	b or bc		71	55	46	-	-	-	12.4
Malin Head			odod	odod	69	53		0.3	-	2100	0.8
Renfrew	o	c.o	ovc	oo	63	52	46	-	-	-	2.5
Leith (INCHKEITH)	c		c		62	53	51	-	-	-	
Eskdalemuir	id.o	o	c	b or bc	65	53	50	1	-	-	1.0
Tynemouth	r.r.	c	b or bc	b or bc	69	54		0.1	-	-	
Blacksod Point	o	o	c	b or bc	59	51		0.1	-	-	
Donaghadee	cm	bc	off	off	70	54		-	-	-	
Birr Castle	c	c	b		68	55	45		-	-	0.0
Baldonnell	o m3	o	oo	cbcb	68	53	47	-	-	-	1.5
Holyhead	o.bc.o	o.c.o	oo	oc	64	55	56	-	-	-	0.3
Liverpool (Bidston)	b or bc	b or bc	b or bc		60	54	47	-	-	-	6.6
Manchester (Alex.Pk.)	o	o	c im		67	49	42		-	-	
Howden	o	c	f or m	f or m	74	42	36	-	-	-	6.8
Spurn Head	o	c	c	b or bc	67	56			-	-	
Nottingham	c	b or bc	b or bc im		73	52	46	-	-	-	5.9
Cranwell	o	c	im im	b or bc	70	52	47	-	-	-	6.2
Gorleston	o	c	oo	imc	71	50	52	-	-	-	1.0
Pulham	o	c	b or bc	b or bc	72	48	40	-	-	-	1.2
Felixstowe	o	c	b or bc	b or bc	70	55		-	-	-	4.2
Valencia (Cahirciveen)	b or bc	b or bc	b or bc	c	63	49	41	-	-	-	9.3
Roches Point	o	b or bc	cw		64	52		-	trace	-	
Pembroke (St. Ann's H.)	b or bc	b or bc	b or bc	b or bc	64	53		-	-	-	15.1
Ross-on-Wye	bebyb	b or bc	bv.b	bwbz	78	49	44	-	-	-	14.8
Benson	b or bc	b or bc	b or bc		80	47	39	-	-	-	
S. Farnborough	b or bc	b or bc	b or bc		80	51	46	-	-	-	13.9
London (Kew Obsy.)	bbybby	by	by bb	bbzz	78	57	49	-	-	-	12.7
Croydon	c.bc.bm	by 13	by.im	bmwz	77	51	46	-	-	-	
Clacton-on-Sea	c.b	c.cy	cbccz	cbz	68	56	53	-	-	-	4.8
Shoeburyness	b or bc	b or bc	b	b	76	42	42	-	-	-	10.9
Grain	b or bc	b or bc	b or bc		73	51	40	-	-	-	14.0
Lympne	o.c.bc.o	bc. bz	b or bc	b or bc	67	52	41	-	-	-	11.5
Scilly (St. Mary's)	b or bc	b or bc	b or bc	b or bc	67	53		-	-	-	11.0
Falmouth	o.c.bc.b	b	b.bc	bc.c	69	51	45	-	-	-	10.3
Plymouth	c	b or bc	b or bc	b or bc	66	48	40	-	-	-	9.7
Portland Bill	b or bc	b or bc	b or bc	b or bc	63	58		-	-	-	
Calshot	b or bc	b or bc	b or bc	b or bc	70	58	50	-	-	-	13.9
Dungeness	1f	c	b or bc	oifm	67	53		-	-	-	
Jersey	b or bc	b or bc	b or bc	bw	70	48		-	-	-	15.0

ISALLOBARS Friday, 24th June.

POSITION NUMBERS



Barometric Change 4h. to 7h. (Half mil...)

Temperature reported from Cross Channel and Coastal Steamers

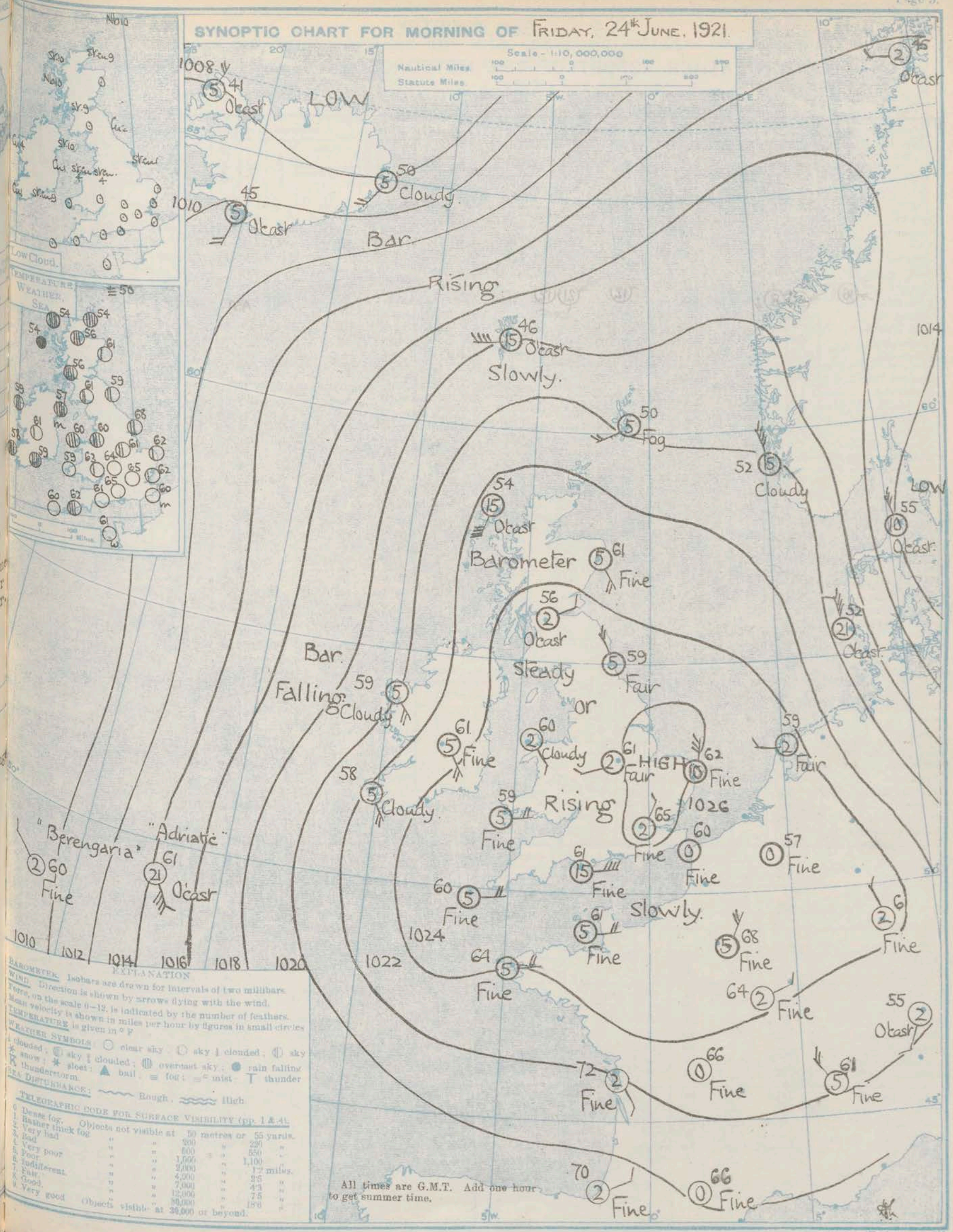
Position Number	3	1	6	7
Date	23rd	23rd	24th	24th
Time G.M.T.	1005	1328	0310	0224
Sea °F	53	57	58	57
Air °F	60	57	57	59

GENERAL INFERENCE.

The anticyclone over England will maintain fair to fine weather generally with high temperatures inland during the next day or two but there is a possibility that the anticyclone will drift away Eastwards later giving rise to thundery weather.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Friday 24th June 1921.	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	Light indefinite breezes, becoming Southeasterly later; fair to fine; visibility mainly good; high temperature later.	A gradual change to thundery weather is not improbable. ---
10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Light breezes, mainly from S.W., fair to fine; visibility mainly good; high temperature inland.	
14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland	Light to moderate S.W. wind; fair generally; visibility mainly good; rather warm.	
18. N.E. Ireland	Same as 10-13.	
19. S.E. Ireland 20. S.W. Ireland	Moderate S. to S.E. winds; fair but thunderstorms not improbable; visibility mainly good; high temperature inland.	

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


SYNOPTIC CHART FOR MORNING OF FRIDAY, 24th JUNE, 1921.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
LOW
Bar. Rising
Bar. Falling
Slowly.
Barometer steady or Rising
Slowly.
HIGH
LOW
"Berengaria"
"Adriatic"
Low Cloud.
TEMPERATURE
WEATHER
SEA
1008
1010
1012
1014
1016
1018
1020
1022
1024
1026
EXPLANATION
BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Direction is shown by arrows flying with the wind.
Force, on the scale 0—12, is indicated by the number of feathers.
Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in ° F.
WEATHER SYMBOLS: clear sky; sky ¼ clouded; sky ½ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
SEA DISTURBANCE: Rough; High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY (pp. 1 & 4).
0 Dense fog. Objects not visible at 50 metres or 55 yards.
1 Rather thick fog " " 200 " 220 "
2 Very bad " " 500 " 550 "
3 Bad " " 1,000 " 1,100 "
4 Very poor " " 2,000 " 1·2 miles.
5 Poor " " 4,000 " 2·5 "
6 Indifferent " " 7,000 " 4·3 "
7 Fair " " 12,000 " 7·5 "
8 Good " " 30,000 " 18·6 "
9 Very good " " 30,000 or beyond.
All times are G.M.T. Add one hour to get summer time.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. FRIDAY. 24th JUNE 1921. No. 175

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	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea 0-9
Lerwick	1019.0	+2	WSW	2	c-	48	97	6	-	Nb	8	-	8	*
Stornoway	1020.5	+3	W	2	co-	*	*	6	*	*	*	*	*	*
Wick	1020.7	+2	-	0	o-	52	97	8	7250	StCu	9	-	9	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1024.3	+4	W	1	o	55	97	2	450	St	10	-	10	*
Renfrew	1024.2	+2	SW	1	c	52	92	8	1500	StCu	1	Ci.St	7	*
Leith (INCHKEITH)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1024.2	+2	-	0	b	56	85	8	4000	St.	2	-	2	*
Tynemouth	1022.8	+1	W	1	b	57	97	8	-	-	-	-	0	*
Blacksod Point	1023.9	0	-	0	bc-	54	92	8	-	-	-	A.Cu	5	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1025.1	+1	WNW	1	c-	58	85	8	4000	StCu	2	A.St	7	*
Holyhead	1025.1	+1	SW	3	o-	*	*	8	800	~~CuNb~~ St	~~10~~ 9	=	~~10~~ 9	*
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1024.8	+2	-	0	bf-	45	97	4	-	-	-	-	0	*
Spurn Head	1025.1	+2	NW	3	b-	57	92	8	2500	St	2	A.Cu	3	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1025.2	+2	W'N	3	b	54	97	5	-	-	-	-	0	*
Gorleston	1023.8	+2	NW	1	o-	61	85	9	-	StCu	9	-	9	*
Pulham	1024.4	+3	-	0	b	55	85	6	-	-	-	-	0	*
Felixstowe	1025.0	+1	NW	2	b-	58	85	8	-	-	-	A.Cu	1	*
Valencia (Cahirciveen)	1023.9	-1	ESE	3	b	55	*	6	*	*	*	*	*	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1026.1	0	-	0	b	55	85	8	-	-	-	-	0	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	1024.8	+2	*	*	*	62	*	*	*	*	*	*	*	*
Croydon	1025.1	+2	-	0	b	53	92	7	-	-	-	-	0	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1024.9	+2	-	0	b	53	92	8	-	-	-	-	0	*
Scilly (St. Mary's)	1025.6	0	ENE	1	b	55	97	8	-	-	-	Ci	3	*
Falmouth														*
Plymouth	1025.1	+1	ESE	1	b-	51	92	8	-	-	-	-	0	*
Portland Bill	1024.0	0	W	2	b	58	92	8	-	-	-	-	0	*
Calshot	1024.6	+1	W'S	2	b	59	92	8	-	-	-	C.S.	2	*
Dungeness	1024.2	+2	W	2	b	57	97	9	-	-	-	-	0	*
Jersey (Guernsey lh.)	1026.2	+1	-	0	b	55	92	8	-	-	-	-	0	*

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	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea
Lerwick	1019.5	?	WSW	2	fo-	50	97	1	2500	Nb	10	-	10	3
Stornoway	1022.5	0	SSW	4	o	54	92	8	460	St.	10	-	10	0
Wick	1022.2	+2	NW	1	o	54	92	8	5750	StCu	9	-	9	2
Castlebay	1022.7	0	-	0	odd	54	97	2	225	Nb	10	-	10	1
Nairn	1022.9	*	-	0	c	56	*	*	*	*	*	*	*	0
Aberdeen	1023.5	-1	E'S	2	b	61	75	7	-	-	-	Ci.St	3	1
Malin Head	1022.8	0	SSE	1	o	58	97	8	4500	StCu	10	-	10	
Renfrew	1024.2	0	-	0	o	56	97	7	800	St	9	A.St	10	2
Leith (INCHKEITH)	1023.4	+1	W	4	c-	54	85	6	-	St	2	Ci	7	*
Eskdalemuir	1024.3	0	SE	1	bc	61	75	7	-	-	-	Ci	5	2
Tynemouth	1024.5	+2	NW	2	bc-	59	92	8	2500	Cu	2	Ci	4	1
Blacksod Point	1020.0	-5	SE	2	c+	59	92	8	7250	Cu	4	Ci.St	7	6
Donaghadee	1024.4	0	SW	1	fo-	57	92	7	2500	St.	10	*	10	*
Birr Castle	1023.2	*	SE	2	b-	61	85	8	-	-	-	Ci.Cu	2	*
Baldonnell	1024.4	-1	NE	1	b-	63	85	7	4000	Cu	1	*	1	0
Holyhead	1025.1	0	SE'E	1	c-	60	92	9	2500	StCu	4	Ci	7	0
Liverpool (Bidston)	1025.1	0	-	0	c+	60	85	7	1500	StCu	4	A.St	7	*
Manchester (Alex.Pk.)	1025.9	+2	SW	2	o+	59	75	6	4000	StCu	10	-	10	*
Howden	1025.4	+2	-	0	bc/f	60	92	6	4000	StCu	1	A.St	5	1
Spurn Head	1026.5	+1	NNW	3	bc+	58	?	6	2500	St.	2	Ci.Cu	4	*
Nottingham	1025.6	*	W	1	bc+	61	85	4	-	-	-	Ci	5	*
Cranwell	1025.6	+1	N	2	bc+	62	75	7	-	-	-	Ci	6	0
Gorleston	1025.8	+2	N	3	b-	62	85	6	-	-	-	Ci.St	1	*
Pulham	1025.3	+2	-	0	b-	62	85	7	-	-	-	Ci	2	0
Felixstowe	1025.9	+2	N'W	2	b	64	75	6	-	-	-	-	0	0
Valencia (Cahirciveen)	1022.3	+2	SE	2	c	58	75	9	4000	Cu	1	A.Cu	7	3
Roches Point	1024.8	+1	SE	3	o+	59	92	8	1500	StCu	9	-	9	1
Pembroke (St. Ann's H.)	1025.2	0	E	2	b	59	85	8	-	-	-	*	0	*
Ross-on-Wye	1025.8	0	-	0	b	63	75	7	-	-	-	Ci	1	*
Benson	1025.6	-1	NNE	1	b	64	75	8	-	-	-	*	0	*
S. Farnborough	1025.2	0	ENE	3	b	65	65	8	-	-	-	-	0	*
London (Kew Obsy.)	1026.2	0	NNE	1	b	65	65	6	-	-	-	-	0	*
Croydon	1025.9	+1	ENE	2	b	65	75	5	-	-	-	-	0	0
Clacton-on-Sea	1025.7	+2	NW	3	b	62	75	6	-	-	-	A.St	1	*
Shoeburyness	1026.1	+2	WNW	1	b	64	75	6	-	-	-	-	0	0
Grain	1025.8	+3	-	0	b	63	75	7	-	-	-	-	0	*
Lympne	1025.7	+2	NNE	2	b	63	85	7	-	-	-	*	0	2
Scilly (St. Mary's)	1025.1	-1	E	2	b	60	97	7	-	-	-	-	0	*
Falmouth	1024.6	0	ENE	3	c	62	65	7	-	-	-	Ci.St	7	*
Plymouth	1024.8	0	NE	1	b	59	85	8	-	-	-	Ci.St	2	2
Portland Bill	1025.8	+2	E	4	b	61	92	8	-	-	-	*	0	0
Calshot	1025.4	+1	ESE	2	b	64 75	~~92~~	57	-	-	-	Ci	1	2
Dungeness	1025.5	+3	-	0	fb-	60	85	6	-	-	-	-	0	0
Jersey (Guernsey lh.)	1025.6	0	E	2	b	61	75	8	-	-	-	-	0	

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

Stations	Weather Forenoon	Weather Afternoon	Temp. Max. Day °F.	Temp. Min. Night °F.	Rainfall Night 17h.-9h. 22-23 mm.	Rainfall Day 9h.-17h. 23 mm.	Sunshine Sunrise to 17h. 23 hr.	Sunshine Sunrise to Sunset 22 hr.
Banff	b	b.bc	64	55	0.3	·	11.9	0.0
Montrose	b	b	74	55	·	·	9.3	0.6
Llandudno	c	c.bc	66	54	·	·	3.8	1.2
Colwyn Bay	b	b	68	54	·	·	5.2	0.4
Rhyl	bc.c	c.bc	64	56	·	·	4.0	0.3
Southport	c.o.c	c.o	64	54	·	·	3.2	1.2
Blackpool	c	o	64	54	·	·	0.6	1.4
Harrogate	o.c.o	c.bc	66	53	0.4	·	1.3	2.3
Skegness	o.bc	bc.b	72	54	·	·	5.2	0.4
Aberystwyth	o.c.b	b	64	52	·	·	8.0	7.3
Bath	b	b	74	43	·	·	12.0	8.9
Leamington Spa	c.b.bc	bc	74	44	·	·	4.6	0.4
Lowestoft	o	o.c.o	70	64	·	·	1.2	0.0
Felixstowe	om, oz	oz	68	58	·		4.1	0.4
Southend	c.bc	bc	76	54		·	9.8	0.2

Stations	Weather Forenoon	Weather Afternoon	Temp. Max. Day °F.	Temp. Min. Night °F.	Rainfall Night 17h.-9h. 22-23 mm.	Rainfall Day 9h.-17h. 23 mm.	Sunshine Sunrise to 17h. 23 hr.	Sunshine Sunrise to Sunset 22 hr.
Paignton	b.bc.b	b	71	46	-	-	12.3	11.9
Ilfracombe								
Bude								
Penzance	bc	b	69	56	·	·	8.2	12.6
Torquay	bc.b	by	69	50	·	·	12.3	12.4
Weymouth	b	b	72	50	·	·	11.4	10.4
Bournemouth	b	b	76	48	·	·	11.5	11.8
Portsmouth (S'thsea)	*	*	73	51	·	·	11.4	12.2
Worthing	b	b	68	50	·	·	10.2	9.4
Brighton	bc	b	66	50	·	·	7.5	6.5
Eastbourne	bc	bc.b	70	50	·		10.4	5.2
Hastings	We.bc.b	b	64	53	trace	·	9.6	3.4
Folkestone	o.c	bc	65	50	·	·	6.3	1.2
Tunbridge Wells	b	b	76	44		·	11.1	12.4
Ramsgate	*	*	66	53	·	·	9.9	0.2
Margate	e.b	b	70	55	·	·	9.2	0.0
Deal	c.bc	b	68	53	·		10.8	0.6

* 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.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.21765 SATURDAY 25 JUNE 1921.

Observations at 1300 G.M.T. 24

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	1022.4	·8	W'S	3	o/r	52	85	7	7250	St Cu	10	·	10	*
Stornoway	1021.5	0	SW	2	o	62	85	8	800	St	9	·	9	*
Wick	1022.4	-1	SSE	2	o	55	92	4	750	St	3	A St	8	*
Castlebay	1022.9	0	ENE	3	fo-	55	97	2	450	St	10	·	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1023.9	-1	ESE	3	b	62	75	8	·	·	0	A Cu	4	*
Malin Head	1022.4	0	S	2	o	66	92	8	1500	St Cu	10	—	10	
	~~1026.7~~	~~+4~~	~~WSW~~	~~4~~	~~o~~	~~56~~	~~97~~	~~2~~	~~460~~	~~St~~	~~10~~	—	~~10~~	
Renfrew	1024.8	0	SW	2	o	66	~~85~~ 75	8	2500	St Cu	10	·	10	*
Leith (INCHKEITH)	1023.8	-1	WNW	3	b-	65	65	4	-·-	·	·	A Cu	3	*
Eskdalemuir	1023.0	0	SSW	2	b	69	65	8	2500	Cu	1	Ci	2	*
Tynemouth	1024.6	0	SSE	2	b	65	92	7	·	·	0	·	0	*
Blacksod Point	1021.2	+1	SE	1	o	65	75	6	-	·	0	A St	10	*
Donaghadee	1024.2	0	SE	1	bc-	67	65	8	4250	Cu Nb	1	Ci Cu	5	*
Birr Castle	1022.4	*	SE	2	c+	73	65	7	2500	Cu	8	·	8	*
Baldonnell	1023.7	-1	NE	2	bp	71	65	8	4000	Cu	1	Ci St	3	*
Holyhead	1024.5	0	NW	2	bc	65	85	8	-	·	0	Ci	6	*
Liverpool (Bidston)	1023.9	+2	NNE	1	b-	74	55	7	·	·	0	Ci St	3	*
Manchester (Alex. Pk.)	1024.4	-3	SW	3	b-	77	45	9	·	·	0	Ci Cu	1	*
Howden	1024.0	-3	-	0	b	78	65	7	-	-	0	·	0	*
Spurn Head	1026.9	0	E	2	b	68	75	8	-	-	0	Ci Cu	2	*
Nottingham	1024.7	*	E	1	b	80	55	6	·	·	0	-	0	*
Cranwell	1024.5	-2	ENE	1	b-	79	45	8	4000	Cu	1	·	1	*
Gorleston	1025.0	0	NE'E	3	b	63	85	7	-	·	0	Ci Cu	1	*
Pulham	1024.5	-1	·	0	b	77	55	9	4000	Cu	4	-	4	*
Felixstowe	1026.0	0	SE'E	3	b	65	75	8	·	·	0	·	0	*
Valencia (Cahirciveen)	1021.3	0	SSE	4	or	64	65	9	5450	St Cu	4	A St	10	*
Roches Point	1024.0	-2	SE	2	o	62	92	8	-	·	0	A St	10	*
Pembroke (St. Ann's H.)	1024.7	-1	SE	3	b+	63	85	8	-	-	0	Ci St	3	*
Ross-on-Wye	1023.6	-3	SW	2	b	81	45	8	-	·	0	Ci	2	*
Benson	1023.6	-3	-	0	b	82	45	8	-	-	0	Ci	1	*
S. Farnborough	1024.1	-2	SE	2	b	81	45	8	4000	Cu	1	·	1	*
London (Kew Obsy)	1024.1	-3	NW	1	b	78	45	6	-·-	·	0	·	0	*
Croydon	1024.4	-2	NE	1	b	79	55	4	4000	Cu	1	·	1	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1025.8	0	NE	3	b	70	65	6	·	·	0	·	0	*
Grain	1025.4	-1	E'N	4	b	70	75	7	4000	Cu	1	·	1	*
Lympne	1025.7	+1	SE	4	b-	70	65	7	4000	Cu	2	·	2	*
Scilly (St. Mary's)	1023.4	-1	SE	2	bc	68	75	8	+	·	0	Ci	4	*
Falmouth	1024.0	-1	SE	4	c	65	75	8	·	·	0	Ci Cu	7	*
Plymouth	1024.0	-2	SSW	2	b	70	65	8	-	·	0	·	0	*
Portland Bill	1025.0	-1	E	3	b	61	92	8	-	·	0	·	0	*
Calshot	1024.8	-2	E'S	4	b	69	75	8	-	·	0	Ci	1	*
Dungeness	1025.2	-1	SW	1	b	66	75	6	-	-	0	-	0	*
Jersey	1022.8	0	E	3	b	73	55	8	·	·	0	·	0	*

Observations at 1800 G.M.T. 24

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	1021.6	*	SSW	3	o	50	92	8	·	Nb	6	A St	10	2
Stornoway	1020.3	-2	SSW	3	o	58	85	8	450	St	10	·	10	2
Wick	1020.8	-2	S	1	o+	54	92	8	5450	St Cu	10	·	10	0
Castlebay	1021.2	-1	E	3	or·	56	97	4	450	Nb	10	·	10	2
Nairn	1020.2	*	W	2	bc	70	*	*	*	*	*	*	*	*
Aberdeen	1022.3	-2	SSE	3	o	57	85	7	·	·	0	A St	10	0
Malin Head	1020.0	-1	S	2	o	66	85	7	1500	St Cu	10	—	10	1
	~~1022.4~~	~~+4~~	~~W~~	~~2~~	~~fo~~	~~85~~	~~97~~		~~460~~	~~St~~	~~10~~		~~10~~	~~2~~
Renfrew	1023.0	-2	-	0	o	64	85	8	2500	St	1	A St	10	*
Leith (INCHKEITH)	1022.1	-1	WSW	2	o	64	75	8	·	·	0	A St	10	*
Eskdalemuir	1023.2	0	-	0	o⊕	68	65	8	·	-	·	Ci St	10	*
Tynemouth	1023.2	-1	S	1	bc	60	97	8	2500	St	2	Ci Cu	4	2
Blacksod Point	1019.2	-2	-	0	o	65	75	7	·	·	·	Ci St	10	1
Donaghadee	1022.1	-2	SSE	2	o	58	85	8	4250	St	10	·	10	0
Birr Castle	1020.6	*	SE	1	c	74	66	6	2500	St Cu	8	·	8	*
Baldonnell	1021.4	-2	W	1	of	72	65	6	·	·	0	A St	9	*
Holyhead	1022.3	-1	E	3	co	67	85	8	·	·	0	Ci	10	1
Liverpool (Bidston)	1022.3	-2	NNW	2	bc+	68	65	7	4000	Cu	2	A St	4	1
Manchester (Alex. Pk.)	1022.2	-2	SSW	2	c+	80	45	7	·	·	0	Ci	7	*
Howden	1023.0	-1	E	3	bc	72	75	7	·	·	0	Ci	5	*
Spurn Head	1023.3	-1	NW	2	b	62	97	8	·	·	0	Ci Cu	2	0
Nottingham	1022.8	*	SE	2	b+	80	55	6	·	·	0	Ci	2	*
Cranwell	1023.0	-1	ESE	4	b	77	55	8	·	·	0	A Cu	3	*
Gorleston	1024.2	-1	S'E	2	bc	61	92	7	-	-	0	Ci	3	0
Pulham	1024.3	0	E	2	bv	70	65	9	·	·	0	Ci St	3	*
Felixstowe	1025.1	-1	E	3	b+	62	75	8	-	-	0	Ci St	2	1
Valencia (Cahirciveen)	1019.8	-2	SSE	3	c+	67	65	9	5750	St	4	A Cu	8	0
Roches Point	1021.7	-4	SSE	3	o	62	97	8	·	·	0	Ci	9	3
Pembroke (St. Ann's H.)	1022.1	-2	-	0	bc	66	75	8	·	·	0	Ci St	5	1
Ross-on-Wye	1021.6	-3	SE	1	b	81	45	8	·	·	0	Ci	3	*
Benson	1021.5	-2	E	1	bc+	81	35	8	·	·	0	Ci	5	*
S. Farnborough	1022.3	-2	SSW	3	c+	79	45	8	·	·	0	Ci	4	*
London (Kew Obsy)	1022.4	-3	E	4	c⊕	80	45	7	·	·	0	Ci St	8	*
Croydon	1023.0	-1	SSE	3	o⊕	74	55	5	·	·	0	Ci St	9	*
Clacton-on-Sea	1024.4	-1	E	3	bc+	63	85	6	·	·	0	Ci	5	0
Shoeburyness	1024.4	-1	E	3	b+	65	75	6	·	·	0	Ci	3	*
Grain	1024.2	-1	E	4	bc+	68	85	8	·	·	0	Ci	5	3
Lympne	1024.3	-1	E'S	2	b	67	75	8	4000	Cu	1	·	1	*
Scilly (St. Mary's)	1022.8	-2	ESE	3	bc	61	85	7	4000	Cu	4	·	4	3
Falmouth	1021.4	-3	SSE	2	b-	66	65	7	·+	-	0	Ci	1	*
Plymouth	1021.6	-2	E	3	b	73	55	8	·	·	0	Ci St	2	*
Portland Bill	1023.4	-2	E	2	b	61	92	8	·	·	0	·	0	0
Calshot	1023.1	-3	E/S	3	bc+	66	75	8	·	·	0	Ci	5	0
Dungeness	1024.0	-1	ESE	2	b	64	85	6	·	·	0	Ci	2	2
Jersey	1021.1	-2	E	3	b	76	55	8	·	·	0	·	0	0

London Observations (Weather, Temperature and Rainfall: 24 Hours ended 0900 G.M.T. 25; 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 Day mm	Rainfall Night mm	Sunshine to Sunset hrs.	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. %
Kew (24 hours ended 0700)	bbz	bczyczy	bz	*	*	*	-	-	11.6	*	*
Croydon (24 hours ended 0700)	bzy	byizizo	obcimbow	*	*	43	-	-	*	*	*
Greenwich (Royal Obsy.)	bz	bz⊕	b	83	52	40	-	-	13.2	37	47
City (Bunhill Row)	*	*	*	*	*	*			12.6	*	*
Westminster (St. James' Pk.)	*	*	*	82	59	53	-	-	12.7	40	34
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*			13.9	*	-
Camden Sq. (Brit. Rainfall)	b	b	*	86	56	53	-	-	*	39	55
Kensington Palace	b.bc	bcb	*	83	55	50	-	-	*	48 (18h)	55
Hampstead Observatory	*	*	*	82	55	49	-	-	13.5	*	56

Atmospheric Pollution. Lbs. of Solid impurity per million cubic yards. 24 Hr. ended 1800 G.M.T. 24

South Kensington Max.	Time.	Min.	Time.
0.2 lb	2200 23rd		
0.6 lb	0800 24th	0.2 lb	0800 24th

Kew Observatory Max.	Time.	Min.	Time.
0.6 lb	4 A.M 24th		
0.6 lb	3 P.M 24th	<0.2 lb	7 P.M 23rd

Solar Radiation. Vertical component per square centimetre. During yesterday.
South Kensington. Total 2426 joules
Average Rate 407 Milliwatts.
Maximum Rate 76 Milliwatts.

Pole Star Record at Greenwich Obsy.
Exposure from 24 21 h. 30 m. to 25 2 h. 30 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	5.0	5.0	100
δ Ursae Minoris	5.0	5.0	100

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom. 25 & 26 June 1921.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.32 / 3.33	11.55 / 11.55	8.18 / 8.18
Greenwich	3.45 / 3.45	12.2 / 12.2	8.19 / 8.19
Wick	3.8 / 3.8	1214 / 1214	920 / 920
Valencia	4.23 / 423	1243 / 1243	9.3 / 9.3

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.
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"; bc = cloud 0-5; co = cloud 6-10.

Capital letters indicate intensity, 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.

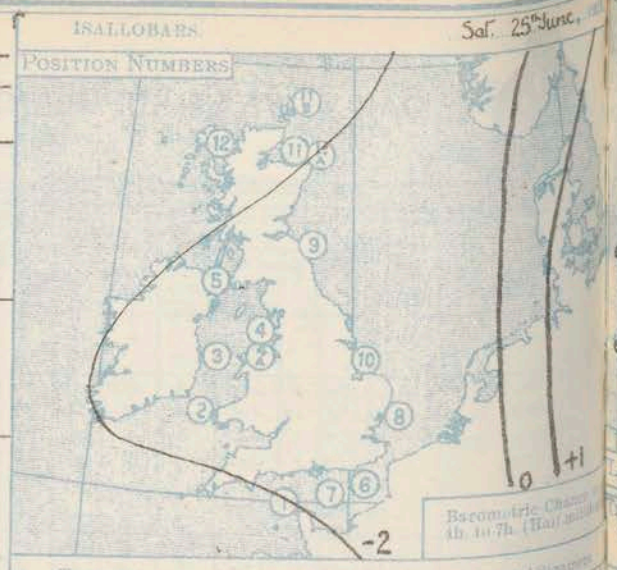
Beaufort No.	Statute miles per hour.	Metres per second.
0	Less than 1.	Less than 0·3
1	1-3	0·3-1·5
2	4-7	1·6-3·3
3	8-12	3·4-5·4
4	13-18	5·5-7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

* 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	13h.-18h. 24th	18h.-24h. to 1h. 25th	1h.-7h. 25th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL. Day. 7h.-18h.	Night. 18h.-7h.	Precipitation began.	SUN. Hours.
Lerwick	p	o	p.im	r.s.	50	49	•	-	1	-	•
Stornoway	c	c	c	r or d	62	57	•	1	3	-	0.8
Wick	c	c	iR	om r.	55	51	•	-	2	•	•
Castlebay	f.3.o FF	F. rf	omrf	rf of	56	54	•	1	6	1630	0.0
Nairn	cg	c. bcg	bccpg		71	55	•	- 2		•	2.3
Aberdeen	b or bc	c	oir im	r. im	66	56	55	-	2	-	7.7
Malin Head	FF	FF					•				
Renfrew	oif	op r.	om	3ff	67	54	52	trace	0.1	-	0.2
Leith (Inchkeith)	c	c	r or d		70	57	55	•	trace	-	•
Eskdalemuir	3 or bc	b or bc	oo	ocbc	70	54	51	•	r	-	10.6
Tynemouth	im	b or bc	m	c	70	57	•	•	-	-	•
Blacksod Point	c	c	oo	b or bc	65	52	•	-	-	-	•
Donaghadee	bc	bc	cm	cm	68	54	•	•	-	-	•
Birr Castle	c	c	c		74	54	43	•	-	-	7.5
Baldonnell	b or bc	oo	c	bcbm	79	48	44	-	-	-	9.2
Holyhead	c. b. bc	bc. o	c	bcbw	76	57	47	-	-	-	10.4
Liverpool (Bidston)	b or bc	b or bc	b or bc		78	57	56	-	-	-	9.2
Manchester (Alex. Pk.)	b or bc	bc. c	c		82	59	52	-	-	-	•
Howden	b or bc	b or bc	c	b or bc	81	52	46	-	-	-	11.0
Spurn Head	c	b or bc	c	b or bc	68	57	•	•	-	-	•
Nottingham	b or bc	b or bc	b or bc		84	57	51	•	-	-	13.6
Cranwell	b or bc	b or bc	b or bc	c	81	53	50	•	-	-	14.5
Gorleston	b or bc	b or bc	b or bc	bwbbc	68	57	58	•	-	-	15.3
Pulham	b or bc	b or bc	b or bc	f or m	78	45	40	•	-	-	14.4
Felixstowe	b or bc	b or bc	b or bc	b or bc	70	49	•	•	-	-	15.0
Valencia (Cahirciveen)	c	c	b or bc	b or bc	70	50	40	•	-	-	0.5
Roches Point	oo	oo	czw		65	56	•	•	0.1	-	•
Pembroke (St. Ann's H.)	b or bc	b or bc	b or bc	b or bc	71	58	•	•	-	-	12.6
Ross-on-Wye	b 13	by	bybcb	bwbcby	85	54	48	•	-	-	14.6
Benson	b or bc	b or bc	b or bc		85	56	42	•	-	-	•
S. Farnborough	b or bc	b or bc	c		85	52	46	•	-	-	13.0
London (Kew Obs.)	b bz	bzy. cy	bz	bz	83	57	?	•	-	-	11.6
Croydon	by 13	by 13	obbc im	bcmw	82	49	43	•	-	-	•
Clacton-on-Sea	b	bz	bcz	bcbzw	69	58	55	•	-	-	14.4
Shoeburyness	b or bc	b or bc	b	bm	72	49	42	•	-	-	14.8
Grain	133	b or bc	imw		73	57	43	•	-	-	13.9
Lympne	b bc. cm	b or bc	b or bc	b or bc	71	54	47	•	-	-	14.0
Scilly (St. Mary's)	b or bc	b or bc	b or bc	b or bc	69	58	•	•	-	-	12.6
Falmouth	c	bc. bz	b	b	68	56	49	•	-	-	14.2
Plymouth	b or bc	b or bc	b or bc	b or bc	77	59	48	•	-	-	14.4
Portland Bill	b or bc	b or bc	b or bc	b or bc	64	58	•	•	-	-	•
Calshot	b or bc	b or bc	b or bc	b or bc	70	60	57	•	-	-	13.8
Dungeness	b or bc	b or bc	b or bc im	im	66	58	•	•	-	-	•
Jersey	b	b	b or bc	b	80	63	•	•	-	-	14.3



Temperature reported from Cross Channel and Coastal Steamers

Position Number	3	6	7
Date	24	25	25
Time G.M.T.	1015	0300	0300
Sea ° F	54	58	58
Air ° F	59	68	60

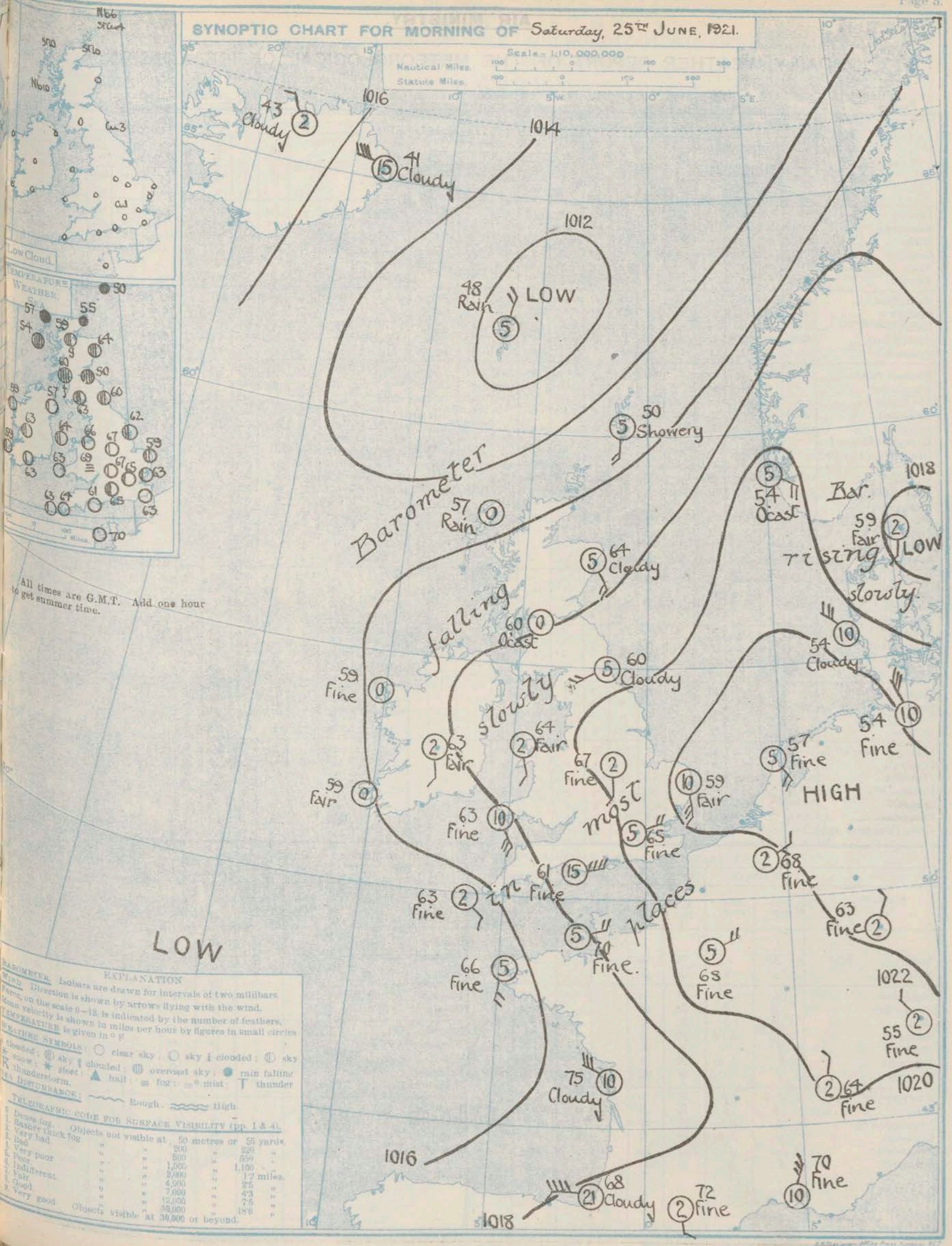
GENERAL INFERENCE.

The anticyclone now centred over the Netherlands, is still moving slowly Eastward, and it seems probable that depressions will gradually spread over the British Isles from the Westward.

In the meantime the conditions appear to be becoming favourable for the development of thunderstorms in various districts.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Saturday 25th June 1921	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Wind light between S.E. & E., mainly fine and very warm, but perhaps local thunderstorms. Visibility fair or good.	The indications are not very definite, but it appears probable that the weather will become less fine and dry, with a lower 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	Wind S. and S.W., light; fair or fine, but perhaps local thunderstorms. Visibility good. Warm.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland	Wind S. & S.W., light or moderate, fair to dull, some showers later. Rather warm. Visibility fair.	
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind S.E. or S., light to moderate, fair to dull, some showers later. Rather warm. Visibility fair.	

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



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

EXPLANATION

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

TELEGRAPHIC CODE FOR SURFACE VISIBILITY (pp. 1 & 4).

0	Dense fog.	Objects not visible at	50	metres or	55	yards.
1	Rather thick fog	"	"	200	"	220 "
2	Very bad	"	"	500	"	550 "
3	Bad	"	"	1,000	"	1,100 "
4	Very poor	"	"	2,000	"	1·2 miles.
5	Poor	"	"	4,000	"	2·5 "
6	Indifferent	"	"	7,000	"	4·3 "
7	Fair	"	"	12,000	"	7·5 "
8	Good	"	"	30,000	"	18·6 "
9	Very good	Objects visible at 30,000 or beyond.				

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION. SATURDAY 25th JUNE 1921. No. 176

Observations at 0100 G.M.T. 25

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	1018.3	?	SW	4	o/r	50	97	5	-	Nb	10	-	10	*
Stornoway	1020.0	0	SW	3	Co	*	*	6	*	*	*	*	*	*
Wick	1018.7	0	SW	1	or-	56	97	9	2500	Nb	7	A.St	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1018.1	-3	S	1	fo+	61	97	5	4000	St.Cu	10	—	10	*
Renfrew	1020.1	-4	-	0	o	57	97	4	800	St.Cu	10	-	10	*
Leith (INCHKEITH) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1021.5	-2	-	0	0+	56	85	6	4000	St.	10	-	10	*
Tynemouth	1021.6	-1	S	1	ffo	57	97	4	-	-	-	A.St	10	*
Blacksod Point ...	1016.6	-3	-	0	o	60	97	7	450	St.	10	-	10	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1020.4	-2	-	0	bc	52	92	5	-	-	-	A.St-	6	*
Holyhead	1019.4	-3	S	2	bc-	*	*	8	-	-	-	Ci.St	6	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1022.5	-1	ESE	3	bc-	57	92	6	2500	St.Cu	5	-	5	*
Spurn Head	1023.7	0	S	1	bc+	58	85	8	-	-	-	A.St	4	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1023.0	-1	SSE	3	c ⊕	59	85	8	-	-	-	Ci.St	7	*
Gorleston	1023.5	-2	SE'S	2	b	56	97	7	-	-	-	Ci.St.	1	*
Pulham	1023.6	-1	-	0	b	47	92	6	-	-	-	Ci	2	*
Felixstowe	1023.7	-1	E	2	b	58	92	8	-	-	-	Ci.St	1	*
Valencia (Cahirciveen)	1018.1	-5	ESE	3	bc-	58	*	6	*	*	*	Ci.Cu	4	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St.Ann's H.)	1020.5	-1	SE	2	b	60	85	8	-	-	-	-	0	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (KEW, OBS).	1023.0	-1	*	*	*	62	*	*	*	*	*	*	*	*
Croydon	1023.3	-2	-	0	bc+	53	97	6	-	-	-	Ci	6	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1022.7	-2	NE	2	b	58	85	8	-	-	-	-	0	*
Scilly (St. Mary's) ...	1017.8	-4	E'S	4	b	59	97	8	-	-	-	-	0	*
Falmouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plymouth	1019.9	-2	ESE	1	b	60	75	8	-	-	-	-	0	*
Portland Bill	1021.8	-2	E	4	b	59	92	8	-	-	-	-	0	*
Calshot	1021.3	-2	E	4	bc	62	85	8	-	-	-	Ci.St.	4	*
Dungeness	1023.6	-2	ENE	2	b	58	97	6	-	-	-	-	0	*
Jersey (Guernsey 1h.)	1020.1	0	E	3	b*	64	75	8	-	-	-	A.St.	2	*

Observations at 0700 G.M.T. 25

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.
Lerwick	1015.1	?	SW	2	oPR	50	97	5	7250	Nb	10	-	10	2
Stornoway	1015.4	-1	-	0	orr	57	92	6	450	St.	10	-	10	0
Wick	1015.5	-2	SW	1	or	55	97	6	800	St	10	-	10	0
Castlebay	1016.6	0	-	0	orr	54	97	3	450	Nb	10	-	10	0
Nairn	1016.0	*	-	0	cg	59	*	*	*	*	*	*	*	0
Aberdeen	1017.4	-3	SE	2	c/r	64	85	6	-	-	-	A.St	7	0
Malin Head	1016.1	0	S	2	o	60	97	7	—	—	—	Ci.Cu	9	1
Renfrew	1018.2	-1	-	0	fo-	60	97	3	2500	St.Cu	7	A.Cu	9	*
Leith (INCHKEITH) ...	1017.7	-2	WSW	1	c/f	50	97	5	-	-	-	A.Cu	7	0
Eskdalemuir	1018.6	-2	-	0	bc	63	85	6	-	-	-	Ci.Cu	6	*
Tynemouth	1018.9	-2	WSW	2	c-	60	97	5	4000	Cu	3	A.St	8	2
Blacksod Point ...	1016.1	-1	-	0	b	59	92	6	-	-	-	Ci.Cu	2	0
Donaghadee	1019.3	-1	E	1	b-	57	92	8	-	-	-	Ci.Cu	2	0
Birr Castle	1016.9	*	S	1	bc-	63	75	6	-	-	-	Ci.Cu	4	*
Baldonnell	1018.9	0	-	0	fb-	62	75	6	-	-	-	Ci.St	2	*
Holyhead	1018.3	-1	S	1	bc	64	85	8	-	-	-	Ci	4	0
Liverpool (Bidston) ...	1018.7	-1	SE'E	2	b	66	65	5	-	-	-	A.Cu	3	0
Manchester (Alex.Pk.)	1019.8	-2	SSE	3	bc+	70	55	6	-	-	-	Ci	4	*
Howden	1020.1	-2	SE	3	b	63	85	7	-	-	-	A.Cu	3	*
Spurn Head	1021.7	-1	S	2	bc	62	85	8	-	-	-	Ci.Cu	4	0
Nottingham	1020.6	*	S	1	b	67	75	6	-	-	-	Ci	3	*
Cranwell	1021.1	-2	SSE	3	c	64	75	8	-	-	-	Ci.St	7	*
Gorleston	1022.2	0	S	3	bc+	59	92	7	-	-	-	Ci	4	1
Pulham	1022.4	-1	-	0	bc+	62	85	7	-	-	-	Ci.St	4	*
Felixstowe	1022.3	-1	E	2	b-	62	85	7	-	-	-	Ci.St	1	0
Valencia (Cahirciveen)	1015.9	-2	-	0	bc	59	75	9	-	-	-	A.Cu	6	1
Roches Point	1017.6	-1	SE	2	bc+	63	92	7	-	-	-	Ci	2	0
Pembroke (St.Ann's H.)	1017.8	-1	SE	3	b-	63	85	7	-	-	-	.	0	1
Ross-on-Wye	1019.4	-2	ESE	2	b	69	55	8	-	-	-	Ci	1	*
Benson...	1020.0	-2	SSE	2	b	67	92	8	-	Cu	1	Ci	2	*
S. Farnborough ...	1020.4	-2	SE	2	bc+	65	75	7	-	-	-	Ci	5	*
London (KEW, OBS).	1021.0	-2	E	2	b	65	75	5	-	-	-	Ci.St	3	*
Croydon	1021.1	-3	SSE	2	bc	67	65	6	-	-	-	Ci	5	*
Clacton-on-Sea ...	1022.2	0	E	2	b-	63	85	6	-	-	-	Ci	2	0
Shoeburyness	1021.8	-1	SE	2	b	64	85	5	-	-	-	-	0	*
Grain	1021.2	-2	ESE	1	b	64	75	7	-	-	-	Ci	1	0
Lympne	1020.8	-2	ESE	2	b	68	75	8	-	-	-	-	0	*
Scilly (St. Mary's) ...	1015.7	-2	SE'E	1	b	63	92	8	-	-	-	Ci	2	3
Falmouth	1016.9	0	E	4	b	64	75	7	-	-	-	-	0	*
Plymouth	1017.1	0	E	3	bc	67	75	8	-	-	-	Ci.St	2	0
Portland Bill	1020.0	-2	E	4	b	61	92	8	-	-	-	-	0	2
Calshot	1019.7	-2	E	4	b	65	85	7	-	-	-	-	0	0
Dungeness	1021.5	0	ENE	1	b	63	85	5	-	-	-	-	0	2
Jersey (Guernsey 1h.)	1018.0	-1	E	2	b	70	65	8	-	-	-	-	0	0

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

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day. °F.	Temperature. Min. Night. °F.	Rainfall.† Night 17h.-9h. 23-24 mm.	Rainfall.† Day 9h.-17h. 24 mm.	Sunshine. Sunrise to 17h. 24 hr.	Sunshine. Sunrise to Sunset. 23-24 hr.
Banff	bc	c.o	70	49	-	-	5.3	15.0
Montrose	b	bc	64	43	-	-	7.7	11.0
Llandudno	b	b	71	58	-	-	10.3	3.8
Colwyn Bay ...	b	b	68	56	-	-	10.0	3.2
Rhyl...	bc.b	b	71	52	-	-	10.2	4.0
Southport	c. bc	bc. b	73	57	-	-	8.9	3.2
Blackpool	c	bc	73	52	-	-	10.6	0.6
Harrogate	b	b. bc	80	50	-	-	11.1	5.1
Skegness	b	bc. b	69	42	-	-	12.0	5.4
Aberystwyth ...	c. b	b	75	50	-	-	12.5	10.5
Bath	b	b	86	51	-	-	10.7	14.0
Leamington Spa ...	bc	b. bc	81	50	-	-	11.7	10.1
Lowestoft	b	b. bc	63	56	-	-	13.0	1.2
Felixstowe	bm	b	68	53	-	-	12.7	4.6
Southend	b	b	73	57	-	-	12.4	11.5
Paignton	b	b	68	49	-	-	12.4	13.9
Ilfracombe	b	b	70	53	-	-	12.2	?
Bude	w. b	b	79	43	-	-	12.0	?
Penzance	b. bc	bc	69	53	-	-	11.2	10.6
Torquay	b	b	73	53	-	-	12.6	14.9
Weymouth	b	b	74	53	-	-	11.2	14.0
Bournemouth ...	b	b	74	53	-	-	12.0	13.2
Portsmouth (S'thesa)	*	*	74	58	-	-	12.3	13.9
Worthing	b	b	72	54	-	-	12.6	12.8
Brighton	b	b	68	54	-	-	11.9	10.3
Eastbourne	b	b	69	54	-	-	12.6	12.6
Hastings	b	b	70	55	-	-	12.7	12.1
Folkestone	bc	b	70	57	-	-	11.5	7.2
Tunbridge Wells ...	b	b	80	50	-	-	12.3	13.1
Ramsgate	b	b	69	53	-	-	12.1	12.1
Margate	b	b	70	58	-	-	12.5	10.7
Deal	b	b	70	52	-	-		13.3

* 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 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 21766 Sunday 26th June 1921.

Observations at 1300 G.M.T. 25

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	1023·3	·	W'S	4	orr	55	97	6	4000	Nb	8	-	8	·
Stornoway	1016·6	+2	WNW	1	o	56	92	7	450	St	10	-	10	·
Wick	1014·6	-1	S	1	orr	56	97	6	450	St	10	-	10	·
Castlebay	1017·0	+1	NW	3	of	56	97	3	800	St	10	·	10	·
Nairn	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Aberdeen	1015·7	·2	SW'W	2	b ⊕	80	45	7	-	·	0	Ci St	2	·
Malin Head	1016·1	0	NE	1	ffbc	62	85	7	–	–	–	ci	4	·
Renfrew	1015·8	-2	SW	3	bc	76	55	8	5750	St Cu	3	A St	6	·
Leith (Inchkeith)	1015·7	-4	W	1	bc	76	55	6	*	Cu	1	Ci	5	·
Eskdalemuir	1016·5	-2	SSW	4	b-	74	65	7	4000	Cu	1	Ci Cu	2	·
Tynemouth	1016·7	·2	SSE	2	bc	66	92	7	4000	Cu	4		4	·
Blacksod Point	1015·1	+1	NW	1	b	62	97	8	·	·	0	-	0	·
Donaghadee	1016·0	-1	SSE	1	b	63	75	8	·	·	0	Ci	1	·
Birr Castle	1015·1	*	S	1	b-	79	55	7	*	Ci Cu	2	-	2	·
Baldonnell	1015·6	-4	NE'N	2	b	76	65	5	4250	Cu	1	·	1	·
Holyhead	1016·4	-2	NNW	3	b	67	55	8	5450	St Cu	1	Ci	3	·
Liverpool (Bidston)	1015·4	-3	SE'S	1	b	83	35	7	5450	Cu	1	Ci	2	·
Manchester (Alex. Pk.)	1016·4	-4	S	3	b-	84	35	8	-	·	0	Ci	2	·
Howden	1017·6	-3	SE	3	c+	82	45	7		·	0	Ci St	8	·
Spurn Head	1019·5	-1	SE	4	b-	67	75	8	2500	St	2	Ci Cu	3	·
Nottingham	1017·2	·	S	2	b	86	45	6	-	·	0	Ci	2	·
Cranwell	1016·9	-4	SSE	4	c	84	35	8	-	·	0	Ci	7	·
Gorleston	1020·6	0	S	3	b	64	92	4	-	·	0	Ci	4	·
Pulham	1018·9	-2	SSE	2	bv	79	55	9	-	·	0	Ci St	2	·
Felixstowe	1020·3	-3	ENE	3	b-	65	75	8	-	·	0	Ci St	1	·
Valencia (Cahirciveen)	1014·3	0	WSW	3	c+v	63	75	9	4000	Cu	1	A Cu	7	·
Roches Point	1015·9	-1	SE	3	b	66	92	7	-	·	0	A Cu	3	·
Pembroke (St. Ann's H.)	1015·5	-2	ESE	3	b	73	75	8	·	-	0	-	0	·
Ross-on-Wye	1016·0	-4	SE	3	b	83	35	7	5750	Cu	1	Ci	2	·
Benson	1016·7	-4	SE	3	b	84	45	8	-	·	0	·	0	·
S. Farnborough	1017·3	-2	ESE	4	b	81	35	8	-		0	Ci	1	·
London (Kew Obsy)	1017·6	-3	SE	3	b	82	35	8	·	·	0	·	0	·
Croydon	1017·9	-3	SE	3	b+	80	45	8	-	-	0	Ci St	1	·
Clacton-on-Sea	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Shoeburyness	1019·3	-3	ESE	3	b	74	65	6	·	·	0	Ci St	1	·
Grain	1018·8	-3	ENE	4	b	69	75	7	·	·	0	Ci	1	·
Lympne	1018·2	-3	E'S	3	b	74	55	8	-	·	0	Ci St	1	·
Scilly (St. Mary's)	1015·6	0	SSE	2	o	63	97	7	1500	St	10	·	10	·
Falmouth	1016·0	0	SW	3	o+	67	75	7	*	St Cu	5	A Cu	7	·
Plymouth	1016·0	-1	S	4	bc+	79	55	8	·	·	0	Ci Cu	6	·
Portland Bill	1017·9	-4	E	4	b+	66	92	8	·	·	0	Ci Cu	2	·
Calshot	1017·7	-3	ESE	4	b	68	75	8	-	·	0	-	0	·
Dungeness	1018·7	+3	ENE	3	b	71	65	6	·	·	0	·	0	·
Jersey	1016·6	-1	W	4	o+	72	55	8	-	·	0	A Cu	9	·

Observations at 1800 G.M.T. 25

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	1013·3	-3	W	4	or	50	97	5	4000	Nb	10	-	10	3
Stornoway	1016·9	+2	NNW	3	odd	57	97	7	450	St	10	-	10	1
Wick	1015·3	+1	NW	1	ofr	54	97	8	450	St	6	A St	10	0
Castlebay	1017·2	0	NNW	3	o	54	97	5	1500	St	10	·	10	1
Nairn	1015·4	·	-	0	c	62	·	·	·	·	·	·	·	·
Aberdeen	1015·5	+2	NE	3	c+	65	75	8	1500	St	7	-	7	0
Malin Head	1016·6	0	NE	2	ffb	58	97	7	–	–	–	ci	3	0
Renfrew	1014·4	-1	WSW	2	b-	76	45	8	-	·	0	Ci St	1	·
Leith (Inchkeith)	1013·6	-2	E	1	b-	67	75	7	*	Cu	2	·	2	·
Eskdalemuir	1014·4	-2	SW	2	b	74	45	8	·	·	0	Ci	1	·
Tynemouth	1014·3	-4	SSE	1	b	64	92	7	·	·	0	A Cu	3	2
Blacksod Point	1014·0	-2	ENE	2	b-	62	97	8	-	·	0	Ci	3	1
Donaghadee	1014·9	-3	S	1	b	65	75	8	·	·	0	Ci	1	0
Birr Castle	10	·	S	1	c-	80	65	7	2500	Cu	5	A Cu	8	·
Baldonnell	1013·8	-2	NE'E	4	c	72	55	8	4000	St Cu	3	Ci	7	·
Holyhead	1014·1	-3	NE	2	o	70	75	8	-	·	0	Ci	10	0
Liverpool (Bidston)	1013·9	0	WNW	3	b	71	65	5	·	·	0	Ci	3	3
Manchester (Alex. Pk.)	1013·6	-3	SE	3	o	83	45	8	4000	St Cu	9	·	9	·
Howden	1014·8	-3	E'S	3	c	75	75	7	4000	St	1	A St	8	·
Spurn Head	1015·2	-2	SE	5	b	64	85	7	2300	St	2	Ci Cu	3	1
Nottingham	1014·3	·	SSE	2	bc+	83	45	6	4000	St Cu	2	Ci	6	·
Cranwell	1015·7	-2	ESE	4	bc	80	45	8	5700	Cu	1	Ci St	6	·
Gorleston	1015·3	-2	SSE	4	b+	62	92	8	-		0	Ci Cu	3	0
Pulham	1016·9	-4	ESE	4	bv	71	55	9	·	·	0	Ci St	3	
Felixstowe	1017·7	-4	E'N	3	b-	63	75	8	·	·	0	~~A St~~ Ci Cu	3	1
Valencia (Cahirciveen)	1013·8	-1	NW'N	1	c+	63	75	8	4000	St Cu	7	Ci St	8	1
Roches Point	1014·5	-2	SE	2	o	63	97	7	4000	St Cu	10	-	10	3
Pembroke (St. Ann's H.)	1015·1	0	SW	1	o	62	97	7	5750	St Cu	10	·	10	1
Ross-on-Wye	1014·1	-2	S	3	c+	80	35	8	-		0	Ci	7	·
Benson	1014·7	-3	SSE	3	bc+	80	45	8	*	Cu	2	Ci	4	·
S. Farnborough	1015·4	-2	SE	3	c ⊕	79	45	8	-	·	0	Ci	8	·
London (Kew Obsy)	1015·2	-3	SE	3	c+	83	35	8			0	Ci	7	·
Croydon	1015·9	-2	SE'S	3	c+	79	45	8	-	·	0	Ci	8	·
Clacton-on-Sea	1017·3	-3	E	3	bc+	66	75	6	·	·	0	A Cu	5	0
Shoeburyness	1016·9	-5	ESE	2	bc	65	75	8	·	·	0	Ci	5	·
Grain	1016·8	-3	E'N	4	bc	67	75	8	·	·	0	Ci St	7	3
Lympne	1016·2	-2	ENE	3	bc	71	65	8	-	-	0	Ci	4	·
Scilly (St. Mary's)	1014·4	-2	SE'S	1	of	60	97	2	1500	St	10	·	10	4
Falmouth	1015·0	-3	S	1	fo+	63	92	6	*	St Cu	5	A St	8	·
Plymouth	1015·6	-3	SW	1	o	64	85	7	2500	St Cu	4	A St	9	·
Portland Bill	1016·9	-4	SSE	5	o	64	92	8	2500	St	10	·	10	4
Calshot	1015·6	-2	ESE	4	o	67	75	7	4000	Cu	1	A St	10	0
Dungeness	1016·4	-3	E	4	bc+	65	75	8	-	·	0	Ci	4	4
Jersey	1017·5	0	NW	3	oR	63	92	8	2500	Nb	10	-	10	3

6-

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

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)
Kew (24 hours ended 0700)	bzb. bz	bcz cz	[illegible]	·	·	53	-	-	13·2	·	·
Croydon (24 hours ended 0700)	bcz im	b. bcz	[illegible]	·	·	54	--	1	·	·	·
Greenwich (Royal Obsy.)	bc	b bc	rEr	86	58	51	-	5	13·2	37	63
City (Bunhill Row)	·	·	·	·	·	·				·	·
Westminster (St. James' Pk.)	·	·	·								
Regents Pk. (Botanical Gdns.)	·	·	·	·	·	·				·	·
Camden Sq. (Brit. Rainfall)	b	b	·	89	60	58	-	2	·	40	63
Kensington Palace	b bc	bc	·	86	59	55	-	0·1	·	50 (9h)	68
Hampstead Observatory	·	·	·			·				·	

Atmospheric Pollution. Lbs. of Solid impurity per million cubic yards.
24 Hrs. ended 1600 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 25th .... h. .... m. to 26th .... h. .... m.

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

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom. 26 & 27 June 1921.

Stations	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3·33	1155	8·18
	3·33	11·56	8·18
Greenwich	3·45	122	8·19
	3·46	123	8·19
Wick	3·8	1214	9·20
	3·9	12·15	9·20
Valencia	4·23	1243	9·3
	4·24	1244	9·3

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.
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"; bc = cloud 0-5; co = cloud 6-10.

Capital letters indicate intensity, 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; 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.	Metres per second.
0	Less than 1.	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

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

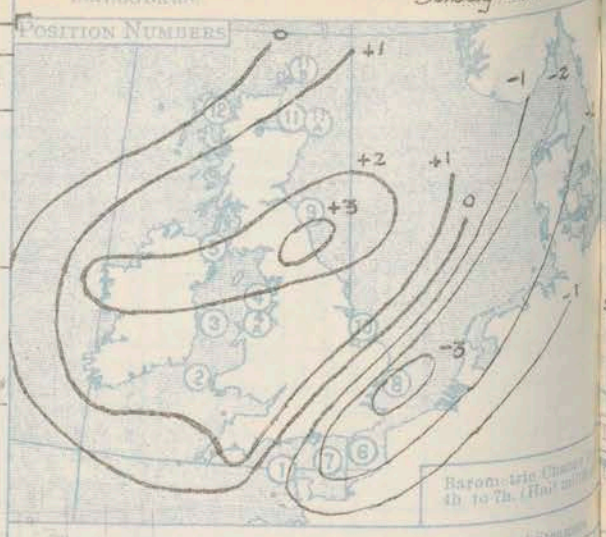
M.O. Form 2370.

Summaries for the Past 24 Hours.

Stations.	Weather. 7h.-13h. 25	13h.-18h. 25	18h. 25 to 1h. 26	1h.-7h. 26	Temperature. Max. Day. 7h.-18h.	Min. Night. 18h.-7h.	Min. on Grass.	Rainfall.† Day. 7h.-18h.	Night. 18h.-7h.	Precipitation began.	Sun. Hours.
Lerwick	RR	f. fom	oo	b or bc	56	40	•	5	-	-	•
Stornoway	oo	r or d	b or bc	c	60	42	•	4	-	1639	0.0
Wick	r or d	r f o	r or d	c	61	47	•	2	0.6	9.0	•
Castlebay	rf. om	om.	opo.	obc	56	49	•	3	0.2	-	0.0
Nairn	cg	cmcc	cprg	bcg	73	48	•	-	4	•	0.9
Aberdeen	b or bc	b or bc	c		80	50	50	-	-	-	8.1
Malin Head	m m	if	f8				•				
Renfrew	c.om.cm	b or bc	b.bc.c	oo	80	53	46	-	-	-	12.8
Leith (INCHKEITH)	c	b or bc	r or d		79	51	•	-	trace	-	•
Eskdalemuir	o.c.bcg	b or bc	bc.com	omo	76	51	43	-	-	-	12.0
Tynemouth	if.b	b if	im	OFF	80	52	•	-	trace	5.30	•
Blacksod Point	b or bc	b or bc	oo	oo	64	56	•	-	2	6.30	•
Donaghadee	bo	bc	bc.	bc	68	54	•	-	-	-	•
Birr Castle	b or bc	c	c		84	59	52	-	-	-	12.6
Baldonnell	b or bc	b or bc	o	b or bc	78	55	50	-	-	-	13.4
Holyhead	bo. b	bg.c.o	oclp	cpplpm	77	56	56	•	0.2	22.00	11.1
Liverpool (Bidston)	b or bc	b or bc	c		86	57	55	-	-	-	12.1
Manchester (Alex. Pk.)	b or bc	c	im		84	60	55	-	-	-	•
Howden	c	c	c	oo	85	59	52	-	0.3	5.30	11.0
Spurn Head	b or bc	b or bc	b or bc	oprbc	69	59	•	-	3	1.30	•
Nottingham	b or bc	b or bc	rbr		88	60	57	-	3	3.30	11.9
Cranwell	c	c	c	rbr	86	58	55	-	5	3.30	13.0
Gorleston	b or bc	b or bc	oo	crbr	62	58	55	-	0.2	6.30	12.5
Pulham	b or bc	b or bc	b or bc	c	72	54	50	-	-	-	13.5
Felixstowe	b or bc	b or bc	b or bc	b or bc	68	59	•	-	•	-	13.10
Valencia (Cahirciveen)	b or bc	c	c	c	73	58	54	-	0.2	1.30	7.0
Roches Point	b or bc	oo	FF	p	68	57	•	-	0.1	-	•
Pembroke (St. Ann's H.)	b or bc	b or bc	oif	if	78	57	•	-	-	-	11.7
Ross-on-Wye	by. b	byg. bcg	ogRRcyczq		86	60	58	-	8	3.30	13.2
Benson	b or bc	b or bc	rc		84	54	41	-	1	2400	•
S. Farnborough	b or bc	b or bc	tlr		84	55	49	-	trace	2400	13.1
London (Kew Obsy.)	bg. b. by	by. bcg. cy	ooc	cuouqp	85	61	53	-	-	-	13.2
Croydon	bc by. m	b bc. cy	cyoumlqHdbc.c.q		83	58	54	-	1	2400	•
Clacton-on-Sea	b	bcg	c. cbc	bcz	68	59	56	-	•	-	14.0
Shoeburyness	b or bc	b or bc	b or bc		75	55	47	-	-	-	13.1
Grain	f or mo	b or bc	itbr		71	55	47	-	trace	1.30	13.3
Lympne	b.o. by	b or bc	b or bc	b or bc	79	55	49	-	-	-	14.5
Scilly (St. Mary's)	b or bc	r or d	6-8f	fem	71	57	•	-	0.4	•	6.3
Falmouth	b. bc. cg	orl. cm	a. oo	fe	69	59	60	1	1	2200	7.6
Plymouth	b or bc	p	r or d	r or d	78	59	58	0.1	1	1630 2200	9.9
Portland Bill	b or bc	o	r or d	r or d	64	60	•	-	6	-	4
Calshot	b or bc	XC	oqwirHqorillbcclog		70	59	49	-	1	1630 -	11.6
Dungeness	bmu	b or bc	c	b or bc	72	60	•	-	-	-	4
Jersey	bc.o	otl RR	cotlpco		80	59	•	13	2	1430 2200	7.4

Isallobars.

Sunday June 26th



Barometric Change in 4h. to 7h. (Hundredths of an inch)

Temperature reported from Cross Channel and Coastal Steamers

Position Number	3	1	6	7
Date	25th	25th	26th	26th
Time G.M.T.	1008	1150	0210	0258
Sea ° F	55	57	60	57
Air ° F	59	60	58	58

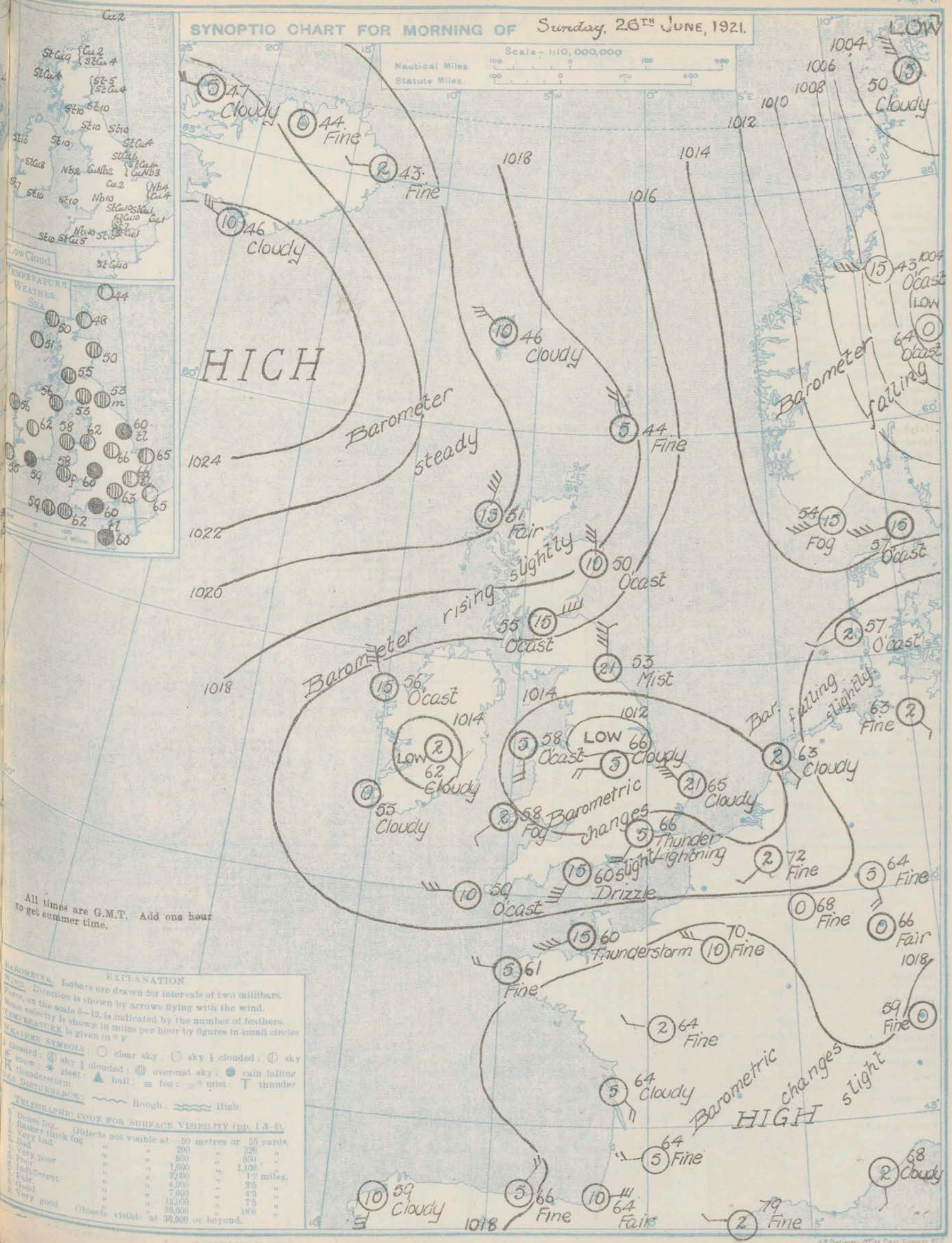
General Inference.

A depression that was North East of the Azores at 6 p.m. yesterday will probably advance towards Ireland and cause an area of low pressure to be maintained over the Southern half of the Kingdom. Much cloud is probable generally with rain at times and lower temperatures than of late.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday, 26th June, 1921.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Moderate winds, mainly from between S.W. and W.; much low cloud, rain at times, visibility fair to good; cooler than of late.	Continuing cool and unsettled over the Southern half of the British Isles.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Moderate winds, mainly from between N. and E.; much low cloud, rain at times, local thunderstorms not improbable; visibility fair to good; cool.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland	Moderate to fresh N. to N.E. winds; fair generally, visibility good; cool.	
19. S.E. Ireland 20. S.W. Ireland	Light to moderate S.E. to E. winds; much low cloud, some rain, risk of thunderstorms, visibility fair to good; moderate temperature.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0900 GMT.

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


SYNOPTIC CHART FOR MORNING OF Sunday, 26TH JUNE, 1921.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
HIGH
LOW
Barometer steady
Barometer rising slightly
Barometer falling
Barometric changes slight
Low Cloud
Temperature
Weather
Sea
All times are G.M.T. Add one hour to get summer time.
EXPLANATION
BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Direction is shown by arrows flying with the wind.
Force, on the scale 0–12, is indicated by the number of feathers.
Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in ° F.
WEATHER SYMBOLS: clear sky; sky ½ clouded; sky clouded; snow; sleet; overcast sky; rain falling; hail; fog; mist; thunderstorm; thunder
SEA DISTURBANCE: Rough; High
TELEGRAPHIC CODE FOR SURFACE VISIBILITY (pp. 1 & 41).
0 Dense fog. Objects not visible at 50 metres or 55 yards.
1 Rather thick fog " " 200 " 220 "
2 Very bad " " 500 " 550 "
3 Bad " " 1,000 " 1,100 "
4 Very poor " " 2,000 " 1½ miles.
5 Poor " " 4,000 " 2½ "
6 Indifferent " " 7,000 " 4½ "
7 Fair " " 12,000 " 7½ "
8 Good " " 20,000 " 13 "
9 Very good Objects visible at 30,000 or beyond.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION.....Sunday, 26th JUNE.....1921. No. 177

Observations at 0100 G.M.T. 26

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	1017·1	*	NNW	2	0	45	85	6	7250	Nb	8	-	10	*
Stornoway	1020·1	+3	N	2	bc	*	*	7	*	*	*	*	*	*
Wick	1017·6	+2	NNW	1	o/r	48	92	8	800	St	6	-	9	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1016·7	0	NE	3	0-	63	97	7	450	St	10	–	10	*
Renfrew	1015·2	+1	NE	2	0	59	85	8	2500	St Cu	10	-	10	*
Leith (INCHKEITH) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1015·0	0	NNE	4	fo	55	92	4	800	St	10	-	10	*
Tynemouth	1014·0	0	W	1	c+	67	85	6	*	-	-	A. Cu	7	*
Blacksod Point ...														*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1013·6	-2	-	0	bc+	57	85	7	4000	St Cu	3	A. St	6	*
Holyhead	1012·8	0	SSW	4	bc-	*	*	7	1500	Nb	3	A. St	6	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1013·4	-2	SE	2	c+	62	85	7	-	-	-	Ci St	7	*
Spurn Head	1014·1	0	S	4	c+	60	97	8	7250	St Cu	8	*	8	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1015·0	-1	S	2	c+	61	85	7	-	-	-	A. St	8	*
Gorleston	1015·9	-3	SE	4	bc+	62	92	9	-	-	-	Ci	5	*
Pulham	1015·0	-3	-	0	c+	58	85	6	-	-	-	Ci St	7	*
Felixstowe	1015·2	-1	SW	1	bc	63	75	8	5750	St Cu	2	A. Cu	6	*
Valencia (Cahirciveen)	1014·0	0	-	0	c	60	*	8	-	St Cu	2	A. Cu	8	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1014·6	0	SSW	2	o/f	58	97	6	450	St	10	-	10	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	1015·0	-1	*	*	*	*	*	*	*	*	*	*	*	*
Croydon	1015·9	-1	SSW	2	o/tr	61	92	7	2500	Nb	3	A. Cu	9	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1015·0	-2	ESE	2	b	60	85	8	-	-	-	Ci	1	*
Scilly (St. Mary's) ...	1014·5	0	-	0	ffo	60	97	1	450	St	10	-	10	*
Falmouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plymouth	1014·9	-2	S	3	or	64	97	6	-	Nb	10	-	10	*
Portland Bill	1016·3	0	SW	3	or	58	92	7	450	St	10	-	10	*
Calshot	1015·5	0	W	1	c+	59	97	8	-	-	-	Ci	8	*
Dungeness	1014·8	-1	W	2	b	62	85	9	-	-	0	-	0	*
Jersey (Guernsey Ih.)	1017·4	+1	SW	3	o/f	60	97	8	4000	Nb	10	-	10	*

Observations at 0700 G.M.T. 26

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	1018·1	*	NNW	2	b-	44	75	8	4000	Cu	2	-	2	1
Stornoway	1020·4	0	NNE	4	0	50	85	7	4000	St Cu	9	-	9	2
Wick	1019·0	+1	N	3	bc+	48	85	9	4000	St Cu	4	-	6	3
Castlebay	1018·5	0	NNE	4	bc	51	85	8	-	St Cu	4	-	4	2
Nairn	1019·1	*	E	2	bc	51	*	*	*	*	*	*	*	0
Aberdeen	1018·4	+1	N	3	o+	50	85	8	1500	St	9	-	9	*
Malin Head	1016·8	0	NNE	3	c+	52	97	8	4000	St Cu	6	A. Cu	8	5
Renfrew	1016·1	+1	ENE	4	0	55	85	8	1500	St	10	-	10	*
Leith (INCHKEITH) ...	1015·9	+3	SE	5	od	51	92	9	-	St	10	-	10	*
Eskdalemuir	1015·5	0	NNE	4	0	53	92	7	1500	St	10	-	10	*
Tynemouth	1014·2	+2	N	5	fo-	53	97	5	1500	St	10	-	10	2
Blacksod Point ...	1015·0	+2	NNW	4	0	56	97	6	450	St	10	-	10	1
Donaghadee	1014·7	+1	NE	2	0	56	?	?	4000	St	10	-	10	0
Birr Castle	1013·9	*	SE	1	c+	62	92	6	4000	St Cu	8	-	8	*
Baldonnell	1014·2	+1	NE	1	b+	64	75	6	-	-	-	A. St	3	*
Holyhead	1013·4	+1	S	2	0	58	97	7	4000	Nb	2	A. St	10	0
Liverpool (Bidston) ...	1012·0	-1	W	4	c-	62	85	5	1500	Nb	7	-	7	1
Manchester (Alex.Pk.)	1012·8	+1	SSW	3	dd	64	75	7	800	St Cu	10	-	10	*
Howden	1012·0	-1	NW	2	o/r	62	92	6	1500	St Cu	6	A. St	10	*
Spurn Head	1012·5	-1	E	2	c+f	60	92	8	-	St Cu	7	-	7	0
Nottingham	1012·8	*	W	2	c-	66	85	5	4000	Cu	2	A. Cu	7	*
Cranwell	1013·0	-1	WSW	4	bc/tr	63	85	8	4000	Cu Nb	5	Ci	6	*
Gorleston	1013·9	-3	NW	3	c/tr	65	85	7	9000	Cu	8	-	8	*
Pulham	1013·3	+1	W	1	bc+f	62	85	8	-	-	-	A. St	4	*
Felixstowe	1014·3	0	W	4	b	65	75	9	-	-	-	Ci St	1	2
Valencia (Cahirciveen)	1014·3	+1	-	0	c-	55	85	5	800	St	7	A. Cu	8	0
Roches Point	1014·7	+1	NW	1	ffo	59	97	2	450	St	10	-	10	0
Pembroke (St. Ann's H.)	1014·4	+1	SW	1	fo	58	97	3	450	St	10	-	10	*
Ross-on-Wye	1013·6	0	SW	3	or-	60	97	6	2500	Nb	10	-	10	*
Benson	1014·7	+1	SW	3	o/r	60	85	8	-	St Cu	10	-	10	*
S. Farnborough ...	1014·9	-1	WSW	4	o	63	75	8	2500	St Cu	10	-	10	*
London (Kew Obsy.)	1014·6	0	SW	2	c+f	66	75	9	2500	Cu	1	A. Cu	7	*
Croydon	1015·5	0	W	3	c-	65	75	8	4000	St Cu	1	A. Cu	7	*
Clacton-on-Sea ...	1014·0	0	WSW	3	bc	65	75	7	4000	Cu	3	A. St	5	0
Shoeburyness	1014·7	0	SW	3	b-	67	75	7	-	-	-	Ci	1	3
Grain	1014·9	0	SW	5	bc+f	67	65	9	4000	Cu	1	Ci Cu	2	*
Lympne	1015·1	+1	WSW	2	b+	65	75	8	4000	Cu	1	Ci	2	2
Scilly (St. Mary's) ...	1015·8	+1	W	3	0	59	97	8	1500	St	10	-	10	*
Falmouth	1015·3	+2	W	3	0	62	92	8	-	St Cu	5	A. St	10	*
Plymouth	1014·6	0	SW	3	or	60	97	6	450	Nb	10	-	10	4
Portland Bill	1014·7	-3	SW	4	od	60	92	5	1500	St	10	-	8	0
Calshot	1015·5	0	SSW	4	c-	61	85	8	1500	St	8	-	0	3
Dungeness	1015·4	+1	WSW	3	b	64	85	9	-	-	0	-	10	3
Jersey (Guernsey Ih.)	1017·5	0	WSW	4	0	60	97	8	4000	St Cu	10	-		

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR SAT. 25 June

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day. °F.	Temperature. Min. Night. °F.	Rainfall.† Night 17h.-9h. 24-25 mm.	Rainfall.† Day 9h.-17h. 25 mm.	Sunshine. Sunrise to 17h. 25 hr.	Sunshine. Sunrise to Sunset. 24 hr.
Banff	o.cb	c.c.o	42	37	2	-	3·2	5·3
Montrose	bc	b	46	53	2	-	8·6	7·7
Llandudno	b	b.bc	78	60	-	-	10·5	10·9
Colwyn Bay ...	b	b	? 44	59	-	-	10·5	10·9
Rhyl	b	b	81	57	-	-	9·7	10·4
Southport	b.b.eb	b.bc	84	61	-	-	11·8	10·0
Blackpool	c	bc	81	61	-	-	10·0	10·7
Harrogate	bc	b	86	51	-	-	11·0	12·0
Skegness	b	b	42	37	-	-	12·1	14·1
Aberystwyth ...	c.b	b	81	61	-	-	12·0	13·5
Bath	b	b	83	57	-	-	10·3	12·9
Leamington Spa ...	b	b	85	56	-	-	12·8	14·1
Lowestoft	bc.b	b.bc	66	6	-	-	10·7	15·5
Felixstowe	b	bc	67	54	-	-	11·2	15·0
Southend	b	b	79	55	-	-	12·2	14·2
Paignton	bc	0	74	54	-	-	8·8	14·6
Ilfracombe	b	b.bc.c	84	53	-	-	11·2	14·3
Bude	bc	bc	85	55	-	-	10·4	13·9
Penzance	b bc	c.or bc	70	55	-	2	7·1	14·1
Torquay	bg	bc.ct.o	73	60	-	-	9·1	14·8
Weymouth	b	b.bc.c	75	59	-	-	9·8	14·4
Bournemouth ...	b	b.bc	77	56	-	-	10·4	14·2
Portsmouth (S'thsea)	*	*	78	60	-	-	11·7	13·9
Worthing	b	b	74	59	-	-	12·5	14·5
Brighton	b	b	78	58	-	-	11·7	13·7
Eastbourne ...	b	b	73	56	-	-	12·3	14·4
Hastings	b	b	79	58	-	-	12·6	14·4
Folkestone	*	*	76	59	-	-	12·0	14·2
Tunbridge Wells ...	b	b	81	55	-	-	12·2	12·5
Ramsgate	b	b	68	58	-	-	12·1	14·4
Margate	b	b	73	56	-	-	12·0	12·4
Deal	b	b	72	53	-	-	12·0	14·2

* 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. 21767 MONDAY, 27th JUNE 1921.

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)	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea 0-9
Lerwick	1016.5	?	NNW	4	pr̥o	47	85	8	5750	Nb	8	-	8	•
Stornoway	1021.5	+1	NNE	3	bc-	55	92	8	4000	Cu	4	-	4	•
Wick	1019.5	+1	NNE	3	b-	57	85	9	4000	Cu	2	-	2	•
Castlebay	1020.4	+1	N	4	bv	56	75	9	-	-	-	-	0	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1019.5	+2	N'E	4	b-	57	65	9	2500	Cu	1	-	1	•
Malin Head	1018.1	+2	NE	3	o-	56	92	8	4000	St.Cu	9	-	9	•
Renfrew	1018.8	+2	NE	4	o	55	75	8	1500	St.Cu	7	A.St	10	•
Leith (Inchkeith) ...	1018.5	+3	SE	3	o-	53	75	9	-	St.Cu	9	-	9	•
Eskdalemuir	1017.5	+1	NE'E	5	o	55	65	7	4000	St.Cu	4	A.Cu	9	•
Tynemouth	1016.4	+4	NNE	4	d/r	52	97	7	1500	St.	10	-	10	•
Blacksod Point ...	1016.5	+3	NE	4	c/r	57	97	7	450	St.	8	-	8	•
Donaghadee	1016.1	+1	N	2	o-	61	75	8	-	-	-	A.Cu	9	•
Birr Castle	1014.5	•	SE	1	c+	72	75	6	2500	Cu	9	•	9	•
Baldonnell	1015.6	+2	ENE	3	c+	69	75	6	4000	Cu	3	A.Cu	8	•
Holyhead	1015.1	+3	WNW	3	bc+	61	97	7	4000	St.Cu	3	A.St	7	•
Liverpool (Bidston) ...	1014.1	+2	W'S	1	o	65	75	6	800	St.	10	-	10	•
Manchester (Alex.Pk.)	1014.2	+3	ENE	5	o	63	65	7	-	-	-	A.St	10	•
Howden	1014.2	+3	N'W	5	o	61	92	6	800	St.Cu	9	A.St	10	•
Spurn Head	1013.6	+1	N	5	o+	62	85	7	-	-	-	A.St	9	•
Nottingham	1012.8	•	N	2	o+	67	85	5	2500	Cu.Nb	10	-	10	•
Cranwell	1013.4	0	SSW	3	o/tl	65	92	8	1500	Cu.Nb	9	-	9	•
Gorleston	1013.5	-1	SE'E	3	c-	66	97	7	4000	Cu.Nb	8	-	8	•
Pulham	1012.6	-1	SW	3	o	75	55	9	4000	Cu.Nb	6	A.Cu	9	•
Felixstowe	1014.4	0	S'E	3	bc+	73	55	9	4000	Cu	5	A.Cu	6	•
Valencia (Cahirciveen)	1015.6	+2	W	2	bc	62	85	7	1500	St.Cu	5	-	5	•
Roches Point	1015.5	+1	SW	4	b-	65	85	8	2500	Cu	1	-	1	•
Pembroke (St. Ann's H.)	1016.0	+1	WNW	2	o/f	63	85	7	450	St.	10	-	10	•
Ross-on-Wye	1013.4	0	W'S	2	o	72	65	8	2500	Cu	10	-	10	•
Benson	1013.8	-1	SSW	3	o	65	65	8	-	Cu	9	-	9	•
S. Farnborough ...	1014.6	0	WSW	3	do	65	75	8	1500	Nb	10	-	10	•
London (Kew Obsy) ...	1014.6	-1	SW	3	o	67	75	8	2500	St.Cu	10	-	10	•
Croydon	1015.7	0	WSW	2	o	66	85	8	1500	St.Cu	10	-	10	•
Clacton-on-Sea ...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1014.4	-1	SW	2	c+	71	65	9	4000	St.Cu	6	A.Cu	8	•
Grain	1014.6	0	SW	4	o+	69	65	9	2500	St.Cu	10	-	10	•
Lympne	1015.5	+1	SW	4	c+	65	85	9	1500	St.	7	-	7	•
Scilly (St. Mary's) ...	1016.8	+1	W	1	bc-	65	85	8	4000	Cu	2	Ci	4	•
Falmouth	1016.4	+1	WSW	2	fo	65	85	7	-	St.Cu	9	-	9	•
Plymouth	1016.1	0	SW	4	c	65	85	8	1500	St.Cu	8	-	8	•
Portland Bill	1014.7	0	SW	4	bc/r	60	92	8	-	-	-	A.Cu	5	•
Calshot	1015.4	0	SW'S	4	fo	61	92	7	800	St.	10	-	10	•
Dungeness	1016.0	+1	WSW	4	o	63	85	6	450	St.	10	-	10	•
Jersey	1018.3	0	W	4	o	64	75	8	4000	St.Cu	10	-	10	•

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)	Low Cloud Form.	Low Cloud Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea 0-9
Lerwick	1018.2	?	NW	5	pr̥o	45	92	6	7250	Nb	10	-	10	4
Stornoway	1022.4	+1	NW	3	b-	58	65	8	4000	Cu	2	-	2	2
Wick	1020.3	+1	NNW	2	bc+	52	85	8	800	Cu	6	-	6	1
Castlebay	1021.6	+1	NNE	4	bv	56	75	9	-	-	-	-	0	4
Nairn	1023.8 0.3	•	E	2	bc	65	•	•	•	•	•	•	•	•
Aberdeen	1020.3	+1	NNE	3	b	56	55	9	-	-	-	-	0	3
Malin Head	1019.5	+2	NE	3	o-	55	97	8	4000	St.Cu	9	-	9	4
Renfrew	1018.9	0	ENE	3	cb	59	65	8	4000	St.Cu	1	A.Cu	3	•
Leith (Inchkeith)	1019.3	•	ESE	3	bcv	55	65	9	-	St.Cu	2	Ci.St	4	2
Eskdalemuir	1019.3	+2	NE	4	o	51	65	8	4000	St.Cu	5	A.St	9	•
Tynemouth	1018.6	+2	NE	4	o	52	92	8	1500	St	6	A.St	10	•
Blacksod Point	1016.5	0	NE	4	c+	59	97	7	450	St	8	-	8	3
Donaghadee	1017.7	+2	SSE	1	o+	57	85	8	2500	St	10	-	10	0
Birr Castle	1014.9	•	SE	2	o	69	85	5	2500	Cu	9	-	9	•
Baldonnell	1016.9	+2	E'N	4	c	64	75	7	4000	St.Cu	4	A.Cu	8	•
Holyhead	1015.8	+1	N'E	3	bc	63	85	8	4000	St.Cu	2	Ci	4	1
Liverpool (Bidston)	1016.0	+2	E'N	2	o	62	75	5	1500	St.Cu	9	-	9	3
Manchester (Alex.Pk.)	1016.5	+2	ENE	5	c-	59	75	8	5750	St	2	Ci.St	8	•
Howden	1017.0	+3	N'E	4	o	54	97	7	-	St	10	-	10	•
Spurn Head	1015.1	+1	N	5	o	55	92	8	-	-	-	A.St	10	2
Nottingham	1015.7	•	NE	3	o	59	85	6	2500	Cu.Nb	9	Ci.St	10	•
Cranwell	1016.4	+5	N'E	4	o/tl	57	92	8	800	St.	10	-	10	•
Gorleston	1014.4	+1	NNE	4	bc-	69	85	7	4000	Cu.Nb	4	A.Cu	6	1
Pulham	1013.8	+2	NW	2	RR	61	92	4	800	Nb	10	-	10	•
Felixstowe	1014.6	0	S'W	3	bc	69	85	8	4000	Cu	4	A.Cu	5	1
Valencia (Cahirciveen)	1015.9	+1	W	2	bc	62	85	7	2500	Cu	1	Ci	4	0
Roches Point	1016.1	0	SW	3	c+	63	92	7	4000	St.Cu	5	Ci	7	3
Pembroke (St. Ann's H.)	1017.2	0	-	0	o/f	59	92	6	450	St	10	-	10	1
Ross-on-Wye	~~1015.6~~ 1013.9	0	NNW	2	bc-	74	65	8	4000	Cu	6	-	6	•
Benson	1014.8	+3	-	0	d/r	63	97	7	-	St.Cu	10	-	10	•
S. Farnborough	1014.3	0	W	4	o	72	65	8	1500	Nb	9	A.St	10	•
London (Kew Obsy)	1014.2	0	W	3	PR	69	75	8	2500	Cu.Nb	10	-	10	•
Croydon	1014.7	-1	SW	2	o/r	68	85	9	1500	St.Cu	10	-	10	•
Clacton-on-Sea	1013.9	0	SSW	4	bc	66	85	7	4000	Cu	3	A.Cu	5	0
Shoeburyness	1014.4	0	-	0	o+	69	75	8	2500	St.Cu	9	-	9	•
Grain	1014.5	0	SSW	3	o	69	65	8	4000	St.Cu	9	-	9	0
Lympne	1015.7	0	SW	4	c	62	92	8	1500	St	8	-	8	•
Scilly (St. Mary's)	1017.6	+1	WSW	1	bc	65	75	8	4000	St.Cu	4	Ci	5	1
Falmouth	1017.5	0	WSW	4	c	67	75	8	-	Cu.Nb	4	Ci	7	•
Plymouth	1017.2	+1	W	3	o	60	85	8	2500	St.Cu	10	-	10	•
Portland Bill	1015.7	0	WSW	5	b-	60	92	8	-	-	-	-	0	6
Calshot	1015.1	0	SW	4	b-	66	85	8	4000	Cu	2	A.Cu	3	0
Dungeness	1015.3	-1	WSW	4	fo	60	97	4	450	St	10	-	10	4
Jersey	1017.8	0	NW	3	b-	67	75	9	-	-	-	Ci	1	3

LONDON OBSERVATIONS.

24 Hours ended 0900 G.M.T. 27th (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	oo	oclt, our	oo	•	•	54	tr	-	2.5	•	•
Croydon (24 hours ended 0700)	c.oq	c.old, ir	ofrid, of	•	•	49	2	-	•	•	•
Greenwich (Royal Obsy.)	o	o.c.or	o	75	54	54	1	-	5.4	63	81
City (Bunhill Row)	•	•	•	•	•	•			3.5	•	•
Westminster (St. James' Pk.)	•	•	•	72	53	53	2	-	3.1	88	79
Regents Pk. (Botanical Gdns.)	•	•	•	•	•	•			2.6	•	•
Camden Sq. (Brit. Rainfall)	•	•	•	74	55	51	1	-	•	•	80
Kensington Palace	o.c.o	or.o.	•	73	54	54	1	-	•	80	79
Hampstead Observatory	•	•	•	70	51	50	1		1.4	•	81

ATMOSPHERIC POLLUTION. Lbs. of Solid impurity per million cubic yards.

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 933 joules
Average Rate 15.16 Milliwatts.
Maximum Rate 68 Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 26th 21 h. 30 m. to 27th 2 h. 30 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	5 0	Nil	-
δ Ursae Minoris	5 0	Nil	-

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

27th and 28th June 1921.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.33 3.34	11.56 11.56	8.18 8.18
Greenwich	3.46 3.47	12.3 12.3	8.19 8.19
Wick	3.9 3.9	12.15 12.15	9.20 9.20
Valencia	4.24 4.25	12.44 12.44	9.3 9.3

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.
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"; bc = cloud 0-5; co = cloud 6-10.

Capital letters indicate intensity, 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.

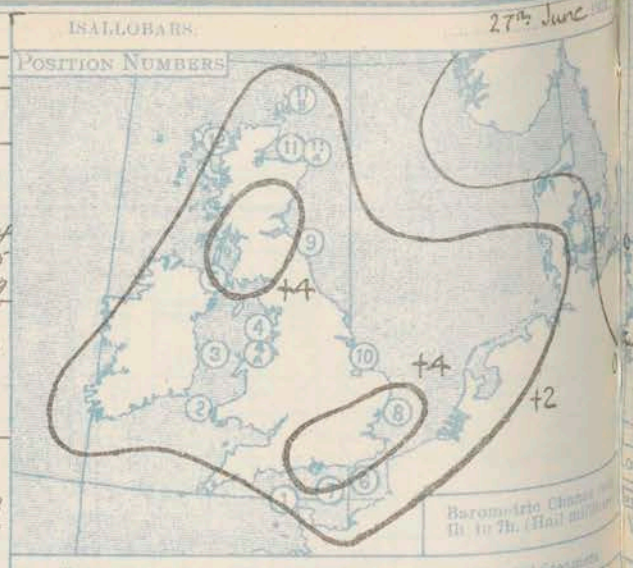
Beaufort No.	Statute miles per hour.	Metres per second.
0	Less than 1.	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

* 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. 26th	13h.-18h. 26th	18h. 26th to 1h. 27th	1h.-7h. 27th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h.	Night. 18h.-7h.	Precipitation began.	SUN. Hours.
Lerwick	p	p	oo	oo	52	42	*	0.3	-	11.0	*
Stornoway	c	6or6c	b or bc	r or d	56	41	*	–			12.5
Wick	6or6c	6or6c	c	oo	54	41	*	–			*
Castlebay	bc.b	bq	bq	bq	56	48	-	–			13.4
Nairn	bc	bc.c.bc	bc.c	c	58	46	*	-			13.5
Aberdeen	c	6or6c	b or bc		54	44	37	–			10.9
Malin Head			bor bc	bor bc	57	50	*		–		0.5
Renfrew	0.0	oc6c6	bc. o.c	o.c.FF	60	31	29	–			3.2
Leith (Inchkeith)	0.0	6or6c	c		56	47	36	–			*
Eskdalemuir	0.0	0.0	o.c. bc.b	b or bc	?60	36	30	–			2.6
Tynemouth	IR.if	0.0	if	if	63	45	*	7			*
Blacksod Point	r or d	c	c	c	63	54	*	0.1			*
Donaghadee	bc	cm	bcV		62	50	*	–			*
Birr Castle	c.ipr	c	ct ir.	r or d	79	54	54	2	10	11.00, 3.32	2.3
Baldonnell	c3	c	r.m. r.m	orr	70	52	45	–	2	2400	0.8
Holyhead	om.c	cm.bc	c	oP. o	64	54 53	52	–	1	0330	83 r4
Liverpool (Bidston)	0.0	0.0	oo		66	51	49	0.2			1.2
Manchester (Alex.Pk.)	c.if.	3f.id.	oif		70	51	50	trace			*
Howden	f or m	0.0	f or m	c	69	46	41	–			2.8
Spurn Head	c	0.0	oo	c	64	51	*	–			*
Nottingham	pc	0.0	oo		71	50	50	0.4	0.1	0830	2.3
Cranwell	p	r or d	id.	p	74	49	48	3	0.2	17.30, 0330	5.0
Gorleston	6or6c	c	d.q	o id. o	79	54	53	0.3	trace	2400	8.7
Pulham	c	oo	r or d	r or d	78	52	52	5	3	17.30, 0230	7.0
Felixstowe	6or6c	c	c	r or d	75	54	*	–	trace	0530	11.1
Valencia (Cahirciveen)	6or6c	6or6c	b or bc	b or bc	64	52	44	–			10.7
Roches Point	ffc.b	6or6c	oo		67	59	*	–	0.3		*
Pembroke (St. Ann's H.)	if.F	om	f or m	f.F	85	65	*	–			1.9
Ross-on-Wye	ir.co	ou.bc.c	c. equip	bqir	80	52	52	0.2	1	0430	3.2
Benson	oR	r or d	ir.	oo	77	53	48	4			*
S. Farnborough	o.od.	c	r.r.	oo	76	54	53	–	0.4	0430	2.3
London	o.o	oc.ir.ur	oo		73	54	51	1	trace		2.5
Croydon	c.oq	cod.ir.	oir r.id.	oi r	72	49 54	53	trace	2		*
Clacton-on-Sea	6c.c	6c	cu. o.o		75	55	54	–			9.6
Shoeburyness	c	c	o id.		75	54	55	–	trace	0630	9.2
Grain	6or6c	o.o	oo		75	55	47	–	trace	0530	8.2
Lympne	6or6c	c o.c	c	odd	71	55	54	–	trace	0630	8.0
Scilly (St. Mary's)	c	6or6c	c	c	67	57	*	–			7.1
Falmouth	c.o.om	o.c	c. bc		70	53	45	–			2.6
Plymouth	c	c	oo	oo	68	60	54	–			3.2
Portland Bill	r or d	6or6c	b or bc	oo	64	55	*	1			*
Calshot	r or d	oif c	c	oo	68	56	54	trace		0900	5.6
Dungeness	o.o	om	f or m	oo	67	57	*	trace			*
Jersey	o	o.c.b	b or bc	off o	67	55	*	–			5.0



Temperature reported from Cross Channel and Coastal Steamers

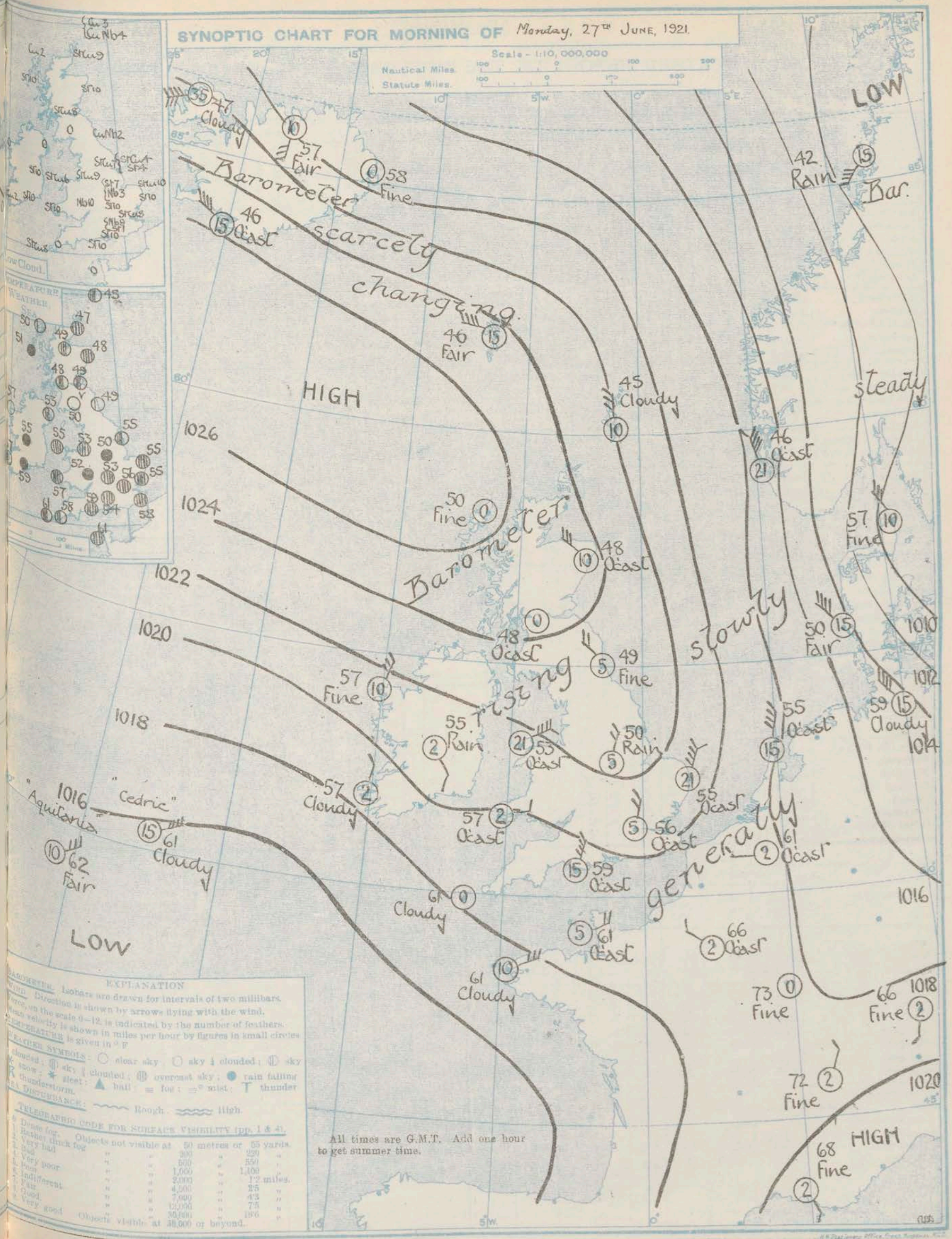
Position Number	3	6
Date	26th	27th
Time G.M.T.	1020	0300
Sea ° F	54	58
Air ° F	60	64

GENERAL INFERENCE.

An anticyclone which extends from the South of Iceland to Scotland will probably move Southward or South-Eastward and cause a return of settled fair weather over the British Isles. Some local rain is, however, likely today in the Southern half of England.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Monday 27th June, 1921.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Wind between North and East, light or moderate; much cloud, with some rain locally, then fair. Visibility fair. Moderate or rather low temperature.	Fair to fine, with a rising 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 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind between North and North-East, light; cloudy to fair; visibility fair to good. Moderate or rather low temperature.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind Easterly, light, fair generally; visibility fair to good; temperature rather high.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 09.40. G. C. SIMPSON, F.R.S., Director.


SYNOPTIC CHART FOR MORNING OF Monday, 27TH JUNE, 1921.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
LOW
HIGH
Barometer scarcely changing.
Barometer rising slowly generally
steady
Bar.
1026
1024
1022
1020
1018
1016
1014
1012
1010
"Aquitania"
"Cedric"
35 47 Cloudy
10 57 Fair
0 58 Fine
15 46 O'cast
46 Fair 15
42 Rain 15
45 Cloudy 10
46 O'cast 21
50 Fine 0
48 O'cast 10
48 O'cast 0
49 Fine 5
57 Fine 10
50 Fair 15
59 Cloudy 15
55 Rain 2
53 O'cast 21
50 Rain 5
55 O'cast 15
57 Cloudy 2
57 O'cast 2
56 O'cast 5
55 O'cast 21
61 O'cast 2
59 O'cast 15
61 Cloudy 0
61 O'cast 5
66 O'cast 2
61 Cloudy 10
62 Fair 10
61 Cloudy 15
73 Fine 0
66 Fine 2
72 Fine 2
68 Fine 2
All times are G.M.T. Add one hour to get summer time.
EXPLANATION
BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Direction is shown by arrows flying with the wind. Force, on the scale 0–12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in ° F.
WEATHER SYMBOLS: clear sky; sky ¼ clouded; sky clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
SEA DISTURBANCE: Rough; High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY (pp. 1 & 4).
0 Dense fog. Objects not visible at 50 metres or 55 yards.
1 Rather thick fog " " 200 " 220 "
2 Very bad " " 500 " 550 "
3 Bad " " 1,000 " 1,100 "
4 Very poor " " 2,000 " 1·2 miles.
5 Poor " " 4,000 " 2·5 "
6 Indifferent " " 7,000 " 4·3 "
7 Fair " " 12,000 " 7·5 "
8 Good " " 30,000 " 19·6 "
9 Very good Objects visible at 30,000 or beyond.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION...27th JUNE... MONDAY.....1921. No. 178.

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	1020·7	*	NW	2	0-	HH	75	7	-	Nb	10	·	10	*
Stornoway	1024·9	+3	N	1	b	*	*	7	*	*	*	*	*	*
Wick	1022·2	+1	NW	2	c	46	92	8	5750	St Cu	8	·	8	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1021·1	+1	NE	2	b-	51	97	8	—	—	—	—	—	*
Renfrew	1023·0	+3	-	0	c	43	92	8	1500	St Cu	7	·	7	*
Leith (Inchkeith) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1023·4	+2	N	2	b	38	92	7	·	-	0	Ci St	3	*
Tynemouth	1021·7	+3	NE	2	c-	50	92	7	5750	St Cu	4	Ci Cu	7	*
Blacksod Point ...	1018·2	-1	NE	4	0+	57	97	6	1500	St Cu	9	·	9	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1019·8	+2	E'N	3	or r	56	92	5	800	St	10	·	10	*
Holyhead	1018·7	0	E'N	5	0	*	*	5	4750	St	10	·	10	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1020·8	+4	N	2	0	51	92	6	800	St Cu	10	-	10	*
Spurn Head	1020·4	+2	NNE	6	c-	54	85	8	7250	St Cu	8	-	8	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1020·7	+2	NNE	3	0	52	83	8	2500	St	7	A St	10	*
Gorleston	1016·5	+2	NE	6	od d	56	97	7	4000	Nb	10	-	10	*
Pulham	1017·7	+2	N'W	3	or r	55	97	6	2500	St	10	-	10	*
Felixstowe	1018·1	+3	N'W	3	0	56	92	8	4000	St Cu	10	-	10	*
Valencia (Cahirciveen)	1017·8	+2	-	0	bc+	59	*	5	*	-	0	A St	6	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1018·6	0	-	0	of	56	97	3	<150	St	10	·	10	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obs.)			*	*	*	*	*	*	*	*	*	*	*	*
Croydon	1019·0	+3	NNE	3	od	56	92	7	1500	St	10	·	10	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1017·5	+2	NNW	3	0	56	85	7	2500	St	10	·	10	*
Scilly (St. Mary's) ...	1018·9	+1	-	0	c+	58	97	8	2500	Cu	7	·	7	*
Falmouth														*
Plymouth	1018·4	0	W	2	0	60	92	8	-	St Cu	10	·	10	*
Portland Bill	1018·0	+2	NW	3	b	59	92	8	-	·	0	Ci Cu	2	*
Calshot	1017·4	+1	NW½	3	0	60	92	8	2500	St	10	-	10	*
Dungeness	1017·3	+2	N	3	0	59	92	5	4500	St	10	-	10	*
Jersey (Guernsey 1h.)	1019·2	+1	WNW	3	bc	59	92	8	·	·	0	A St	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	1021·6	*	N	3	c-	45	75	8	7200	Cu Nb	7	·	7	*
Stornoway	1026·3	+1	-	0	b-	50	65	8	4800	Cu	2	Ci	3	*
Wick	1024·3	+3	NW	1	0	47	85	8	5750	St Cu	9	-	9	*
Castlebay	1025·5	0	NE	4	bv	51	75	9	·	·	0	·	0	*
Nairn	1025·1	*	-	0	c	49	*	*	*	*	*	*	*	*
Aberdeen	1024·9	+3	NW	3	0	48	75	8	1000	St	10	·	10	*
Malin Head	1023·0	+2	E	2	b	55	92	8	—	-	—	Cu	1	*
Renfrew	1024·7	+4	·	0	c	49	85	3	4000	St Cu	8	·	8	*
Leith (Inchkeith) ...	1024·5	+3	·	0	cv	49	85	9	*	St Cu	8	·	8	*
Eskdalemuir	1024·6	+3	NNE	1	b	50	65	8	·	·	0	-	0	*
Tynemouth	1023·8	+2	NNW	2	b	49	92	7	4000	Cu Nb	2	A Cu	3	*
Blacksod Point ...	1020·7	+3	NE	3	bc-	57	94	8	-	·	0	A Cu	6	*
Donaghadee	1023·4	+4	ESE	2	c+	53	65	8	-	·	0	A Cu	7	*
Birr Castle	1020·1	*	SE	1	or	53	97	3	450	St	10	-	10	*
Baldonnell	1021·9	+2	NE	3	o/r	53	92	5	225	St	10	-	10	*
Holyhead	1020·7	+3	ENE	5	0-	55	97	8	5750	St Cu	6	A St	9	*
Liverpool (Bidston) ...	1022·3	+2	E'N	3	0	53	75	7	2500	St	10	-	10	*
Manchester (Alex.Pk.)	1022·9	+5	E	4	0	53	65	7	5750	St Cu	9	A St	10	*
Howden	1023·2	+2	NE	3	o+	53	85	8	4000	St Cu	7	A Cu	9	*
Spurn Head	1023·3	+2	N	4	c	55	92	8	2500	St Cu	8	·	8	*
Nottingham	1022·8	*	NE	2	or	50	92	5	4000	Nb	8	Ci St	10	*
Cranwell	1022·8	+3	NNE	3	or	50	85	8	2500	St	10	·	10	*
Gorleston	1020·2	+3	NE	5	o/r	55	83	7	5750	St Cu	10	·	10	*
Pulham	1020·7	+2	NNE	3	od	54	85	7	2500	St	10	·	10	*
Felixstowe	1021·0	+5	N	3	od d	54	92	8	800	St	10	·	10	*
Valencia (Cahirciveen)	1018·9	+2	NNE	1	c+	57	92	8	4000	St Cu	2	A Cu	8	*
Roches Point	1020·0	+2	SE	2	opr	59	97	6	800	St	10	·	10	*
Pembroke (St. Ann's H.)	1019·8	+2	E	1	fo	57	97	5	<150	St	10	·	10	*
Ross-on-Wye	1021·6	+3	ENE	3	or	52	92	6	1500	Nb	10	·	10	*
Benson	1021·2	+3	NE	2	0	53	97	7	-	St	10	·	10	*
S. Farnborough	1020·7	+2	ENE	2	0	54	85	8	1500	Nb	10	A St	10	*
London (Kew Obs.)	1021·2	+3	NNE	2	0	56	85	7	4000	St Cu	8	·	10	*
Croydon	1021·1	+2	NE'N	3	0	56	92	6	1500	St	10	·	10	*
Clacton-on-Sea ...	1020·3	+5	N	3	0	55	92	6	1500	St	10	·	10	*
Shoeburyness	1020·8	+1	NNE	3	or	55	92	7	1500	St	10	·	10	*
Grain	1020·9	+4	NNE	4	od	56	92	6	1500	St Cu	10	-	10	*
Lympne	1020·0	+3	NNW	3	od 1m	53	96	6	700	St	10	-	10	*
Scilly (St. Mary's) ...	1018·1	0	-	0	c	61	97	6	2500	St Cu	8	·	8	*
Falmouth	1019·3	+1	-	0	bc	58	97	7	-	-	0	A Cu	6	*
Plymouth	1018·9	+2	SW	1	0	63	85	8	2500	St Cu	10	-	10	*
Portland Bill	1019·7	+2	NE	4	0	59	92	7	4500	St	10	·	10	*
Calshot	1020·6	+4	NE	4	0	58	85	8	1500	St	10	·	10	*
Dungeness	1019·8	+4	N	2	0	58	92	8	-	·	0	Ci St	10	*
Jersey (Guernsey 1h.)	1019·1	0	ENE	2	of	61	97	8	·	·	0	A Cu	10	*

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

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 17h.-9h. 25th-26th mm.	Rainfall.† Day 9h.-17h. 26th mm.	Sunshine. Sunrise to 17h. 26th hr.	Sunshine. Sunrise to Sunset. 25th hr.
Banff	6c.6	6	54	50	2	-	11·2	3·2
Montrose	c6c6		57	50	-	-	6·8	11·7
Llandudno	-	-	71	59	2	-	6·0	11·5
Colwyn Bay ...	6	6	68	60	3	-	5·8	11·4
Rhyl	c.3c	c.3c	65	59	2	-	3·2	9·8
Southport	r.0c.0	0.c	66	59	6	-	0·8	12·8
Blackpool	6c.r.c0		66	59	3	-	0·7	11·3
Harrogate	0	0	65	52	-	-	00	12·2
Skegness	6.6c.6	6.6c.or	74	56	4	1	2·5	14·6
Aberystwyth ...								
Bath	0	0c6a	72	60	6	-	1·8	10·3
Leamington Spa ...								
Lowestoft								
Felixstowe	6c	6	74	59	-	-	9·7	13·0
Southend	6c.c	0c.0	77	59	-	-	8·0	13·3
Paignton	0pc6c	6cq	74	58	2	-	5·7	11·5
Ilfracombe	0.c	c0c.0	66	61	6	-	3·0	11·6
Bude	0	0	67	60	1	-	0·2	7·1
Penzance	0c.0	0c6	66	59	2	-	3·5	9·1
Torquay	0p6c.0	p0.3c	74	60	3	trace	5·6	9·8
Weymouth	0.c	d.c	73	58	7	-	4·9	10·6
Bournemouth ...	0.6c6c		73	58	11	-	2·3	11·7
Portsmouth (S'thsea)	0	6c	72	59	1	-	5·2	13·0
Worthing	0	c.h.c	66	58	-	-	3·0	12·9
Brighton	0.c	0c.0.0	63	60	-	-	1·5	13·8
Eastbourne ...	0	0	65	60	-	-	2·7	14·5
Hastings	6c.c	0m	68	57	-	-	7·6	13·8
Folkestone	-	-	72	60	-	-	7·8	13·2
Tunbridge Wells ...	6.6c.c	0c6c	71	56	-	-	5·1	13·1
Ramsgate	6	6	75	56	-	-	9·3	12·4
Margate	6c	6c	76	61	-	-	8·5	13·7
Deal	6c	6	75	57	-	-	10·4	

* 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.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE LONDON:

BRITISH SECTION. No. B. 21/68 TUESDAY 28th JUNE 1921.

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	1025.0	+3	NNW	3	b	51	65	8	-	-	-	A.Cu	3.	*
Stornoway	1028.2	+2	NNE	3	bc+	55	65	8	4000	Cu	4	-	4	*
Wick	1026.3	+2	NNW	2	c	51	75	8	5750	Cu	8	-	8	*
Castlebay	1027.5	+2	NE	3	bv	55	65	9	-	-	-	-	0	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1026.7	+1	N'W	3	0-	53	65	8	2500	Sr.Cu	9	-	9	*
Malin Head	1028.4	+2	E	3	b	58	85	8	-	-	-	Ci	1	*
Renfrew	1025.8	+1	NNE	1	c	64	45	9	2500	Sr.Cu	8	-	8	*
Leith (INCHKEITH)	1026.1	+1	SE	2	bv	57	65	9	-	Sr.Cu	3	-	3	*
Eskdalemuir	1025.8	+1	E	2	c	56	65	8	4000	Cu	8	-	8	*
Tynemouth	1026.2	+2	NE	3	c+	54	92	8	4000	Cu	7	-	7	*
Blacksod Point	1021.8	+1	E	2	b-	67	65	8	-	-	-	-	0	*
Donaghadee	1025.4	+1	E	1	b	57	65	8	-	-	-	-	0	*
Birr Castle	1022.5	*	S	2	c/r	62	75	7	-	-	-	A.Cu	7	*
Baldonnell	1023.9	+2	E	4	b	60	65	7	4000	Sr.Cu	1	Ci.St	3.	*
Holyhead	1023.4	+2	E	6	bc-	61	85	8	4000	Sr.Cu	3	Ci	6	*
Liverpool (Bidston)	1024.0	0	SE'E	1	bc-	63	45	7	2500	Sr.Cu	3	Ci	5	*
Manchester (Alex P'k.)	1023.9	0	ESE	4	c	66	45	8	4000	Sr.Cu	5	Ci.St.	7	*
Howden	1024.6	+1	NNE	3	c	64	65	8	2500	Sr.Cu	8	-	8	*
Spurn Head	1025.4	+1	N	4	bc-	59	97	9	5750	Cu	2	Ci.Cu	4	*
Nottingham	1024.3	*	NE	2	bc-	63	65	6	4000	Cu	6	-	6	*
Cranwell	1024.7	+1	NE	4	bcv	61	85	9	4000	Cu	5	Ci	6	*
Gorleston	1023.6	+3	NE	4	bc-	59	92	8	5750	Sr.Cu	3	A.Cu	6	*
Pulham	1023.6	+2	NE	3	0	60	92	8	4000	Sr.Cu	9	-	9	*
Felixstowe	1023.8	+2	NE	4	c-	61	85	8	2500	Sr.Cu	6	A.St	7	*
Valencia (Cahirciveen)	1020.9	+2	NNW	1	odd	63	85	7	2500	St	4	A.St	10	*
Roches Point	1022.0	+2	E	4	0	59	92	6	800	St.	10	-	10	*
Pembroke (St. Ann's H.)	1021.9	+1	ESE	4	o/f	60	97	6	450	St.	10	-	10	*
Ross-on-Wye	1023.8	+2	ENE	3	o/r	55	85	8	2500	Nb	10	-	10	*
Benson	1023.5	+2	NE	2	0	60	75	7	-	St.	10	-	10	*
S. Farnborough	1022.8	+2	ENE	2	0	60	75	8	1500	St.	10	-	10	*
London (Kew Obsy)	1023.3	+2	NE	3	0	60	65	7	2500	Sr.Cu	10	-	10	*
Croydon	1023.2	+2	NE	4	0	59	85	8	1500	St.	9	A.St	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1023.5	+2	ENE	4	0	60	65	7	2500	Sr.Cu	9	-	9	*
Grain	1023.4	+2	ENE	5	0	58	75	8	2500	Sr.Cu	10	-	10	*
Lympne	1022.7	+3	NE'N	4	c	57	85	8	1500	St.	10	-	10	*
Scilly (St. Mary's)	1018.8	0	E'S	1	c	71	65	5	5750	Sr.Cu	8	-	8	*
Falmouth	1020.4	+2	ESE	4	0	65	85	7	-	Sr.Cu	10	-	10	*
Plymouth	1021.2	+3	ENE	4	fo	60	92	7	800	St.	10	-	10	*
Portland Bill	1021.9	+2	E	5	0	60	92	7	4000	Sr.Cu	10	-	10	*
Calshot	1022.4	+2	NE	4	0	63	75	7	2500	St.	10	-	10	*
Dungeness	1022.8	+3	N	4	0	61	85	8	-	-	-	Ci.St	10	*
Jersey	1019.4	0	ENE	3	b	70	75	8	-	-	-	A.Cu	2	*

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	1025.0	0	NNW	2	c-	47	75	8	-	-	-	A.St	8	1
Stornoway	1028.2	0	NE	2	bc-	54	65	8	-	-	-	Ci	2	1
Wick	1026.4	+1	NW	3	c	51	75	9	-	-	-	Ci	8	0
Castlebay	1028.0	+1	NNE	3	bcv	56	75	9	-	-	-	Ci.St	4	2
Nairn	1026.3	*	E	1	bc	57	*	*	*	*	*	*	*	*
Aberdeen	1026.7	0	N'W	3	b ⊕	56	55	9	-	-	-	Ci	1	0
Malin Head	1026.3	+1	NE	3	b	56	92	8	-	-	-	Ci	1	1
Renfrew	1026.0	+1	SSE	1	cv	64	55	9	4000	Cu	4	Ci.St	7	*
Leith (INCHKEITH)	1026.1	0	ESE	2	bv	58	65	9	-	-	-	A.Cu	1	1
Eskdalemuir	1026.5	+1	E	2	b-	56	55	8	4000	Cu	1	-	1	*
Tynemouth	1027.3	+1	NE	2	b-	55	85	8	4000	Cu	2	-	2	3
Blacksod Point	1021.8	0	NE	3	b	64	85	8	-	-	-	-	0	2
Donaghadee	1025.8	0	E	1	b	58	75	8	-	-	-	-	0	0
Birr Castle	1023.6	*	SE	2	c+	63	65	7	2500	Sr.Cu	5	A.Cu	8	*
Baldonnell	1024.9	+1	E	4	b-	59	55	9	-	-	-	acu	2	*
Holyhead	1024.2	+1	NE'N	5	b	60	75	8	-	-	-	-	0	5
Liverpool (Bidston)	1023.9	0	E	1	b	66	55	7	-	-	-	Ci.St	3	3
Manchester (Alex P'k.)	1024.7	+2	E	3	bc-	63	45	8	4000	Sr.Cu	4	-	4	*
Howden	1026.1	+2	N'E	3	bc	59	75	8	4000	Sr.Cu	4	A.Cu	6	*
Spurn Head	1027.9	+2	N	4	bc-	54	85	9	5750	Cu	2	-	2	1
Nottingham	1025.3	*	E	3	bc-	60	65	6	4000	Cu	4	-	4	*
Cranwell	1025.9	+2	NE	4	c	58	65	9	4000	Cu	6	Ci.St.	7	*
Gorleston	1024.5	+1	NE	4	bc	58	85	8	7250	Cu	5	-	5	1
Pulham	1025.2	+2	NE	3	bc	55	75	8	4000	Cu	5	-	5	-
Felixstowe	1025.1	+1	NE	4	bcv	57	65	9	7250	Sr.Cu	2	A.Cu	4	4
Valencia (Cahirciveen)	1021.1	+1	E'S	2	0+	65	75	7	2500	Sr.Cu	4	A.St	10	0
Roches Point	1023.0	+1	E	4	0	58	97	6	800	St.	10	-	10	3
Pembroke (St. Ann's H.)	1023.2	+1	ESE	3	0	59	85	7	800	St.	10	-	10	4
Ross-on-Wye	1024.0	+1	E	3	0-	60	75	8	4000	Sr.Cu	9	-	9	*
Benson	1023.6	0	NE	3	bc-	66	55	8	-	Cu	6	-	6	*
S. Farnborough	1023.4	0	ENE	3	c+	62	65	8	2500	Sr.Cu	5	A.St	7	*
London (Kew Obsy)	1024.1	+1	ESE	3	c-	61	65	8	4000	Sr.Cu	8	-	8	*
Croydon	1023.7	+1	ENE	3	b-	60	75	8	4000	Sr.Cu	1	A.Cu	2	*
Clacton-on-Sea	1024.8	+3	WNW	4	bc	53	65	8	-	-	-	A.Cu	5	0
Shoeburyness	1024.6	+1	NE	4	b-	58	65	7	-	-	-	-	0	*
Grain	1024.7	+1	ENE	5	b-	58	75	9	4000	Cu	1	-	1	6
Lympne	1023.8	+1	NEE	5	b-	56	75	9	4000	Cu	1	A.Cu	2	*
Scilly (St. Mary's)	1020.1	0	E	4	0+	61	92	5	4000	Sr.Cu	10	-	10	4
Falmouth	1020.7	-2	E	6	ef	61	85	6	-	Sr.Cu	6	Ci.Cu	7	*
Plymouth	1021.8	0	E	2	0	61	85	8	1500	Sr.Cu	10	-	10	*
Portland Bill	1022.6	+1	E	5	0	60	92	8	-	-	-	A.St	10	4
Calshot	1022.8	0	NE'E	4	0	61	75	7	1500	Sr.Cu	10	-	10	3
Dungeness	1023.5	+1	E	4	b-	58	75	9	5750	Cu	3	-	3	4
Jersey	1019.8	0	NE	4	0	64	85	8	4000	Sr.Cu	10	-	10	3

LONDON OBSERVATIONS.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. Yesterday mm.	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				*	*	39		0.4	*	*
Croydon (24 hours ended 0700)	0	C.0	b.bc.b3	*	*	35		*	*	*
Greenwich (Royal Obsy.)	0d.	o.c.bc.b	b.c.c.ow	63	45	37		1.2	63	55
City (Bunhill Row)	0	o.b.o	o.b.o	*	*	*		0.2	*	*
Westminster (St. James' Pk.)	*	*	*	*	*	*		0.4		
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*		0.7	*	-
Camden Sq. (Brit. Rainfall)			*					*		
Kensington Palace	0	0.bc	*	65	45	42		*	64 (18h.)	52
Hampstead Observatory	*	*	*	62	44	39		0.7	*	54

ATMOSPHERIC POLLUTION. Lbs. of Solid impurity per million cubic yards.

24 HR. ended 1800 G.M.T.

South Kensington

Max.	Time.	Min.	Time.
0.4	26 18h	<0.2	27 1h.
0.6	27 7h		

Kew Observatory

Max.	Time.	Min.	Time.
0.2	26 22h	<0.2	26 24h
0.4	27 10h		

SOLAR RADIATION. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total 782 joules

Average Rate 13.1 Milliwatts.

Maximum Rate 45 Milliwatts.

POLE STAR RECORD AT Greenwich Obsy.

Exposure from 24th 21 h. 30 m. to 28th 2 h. 30 m.

Stars.	Exposure. h.	Exposure. m.	Record. h.	Record. m.	Record. %
Polaris	5	0	5	0	100
δ Ursae Minoris	5	0	5	0	100

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

25th & 29th JUNE 1921.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.34	11.56	8.18
	3.34	11.56	8.18
Greenwich	3.44	12.3	8.19
	3.44	12.3	8.19
Wick	3.9	12.15	9.20
	3.10	12.15	9.20
Valencia	4.25	12.44	9.3
	4.20	12.44	9.3

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.
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"; bc = cloud 0-5; co = cloud 6-10.

Capital letters indicate intensity, 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.	Metres per second.
0	Less than 1.	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

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

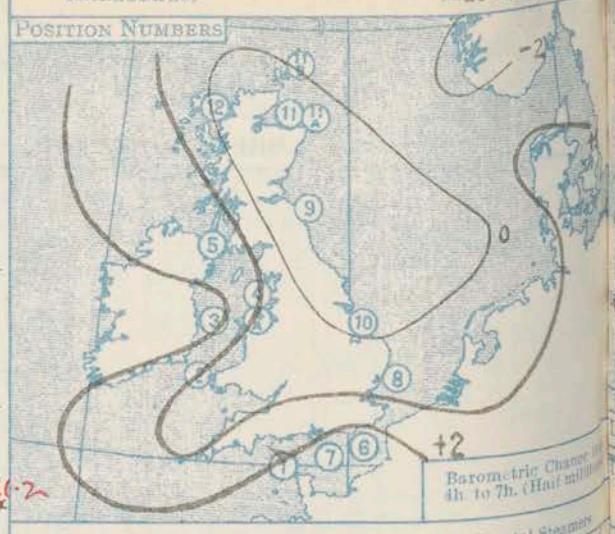
M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 27th	13h.-18h. 27th	18h.-1h. 27th to 1h. 28th	1h.-7h. 28th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL. Day. 7h.-18h.	Night. 18h.-7h.	Precipitation began.	SUN. Hours.
Lerwick	b or bc	c	c	op	52	46	•	-	trace	0230	•
Stornoway	b or bc	b or bc	b or bc	b or bc	55	44	•	-	.	.	13·0
Wick	c	c	b or bc	c	54	40	•	-	.	.	•
Castlebay	bqb	b bc	bc. b		56	47	•	-	.	.	14·4
Nairn	c bc	bcv	bcw		61	40	•	-	.	.	8·0
Aberdeen	dsp.o	b or bc	b or bc		57	40	35	-	.	.	6·1
Malin Head	b or bc	b or bc	b or bc	b or bc			•	—			
Renfrew	cm	c	cv. o.c.b	f or m	65	41	32	-	.	.	12·1
Leith (INCHKEITH) ...	b or bc	b or bc	b or bc		61	47	39	-	.	.	•
Eskdalemuir	c	cbcby	b or bc	b or bc	60	33	24	-	.	.	11·8
Tynemouth	b or bc	b or bc	f or m	f or m	55	42		-	.	.	•
Blacksod Point ...	b or bc	b or bc	b or bc	b or bc	69	47	•	-	-	.	•
Donaghadee	bcv	bv	by	bm	59	46	•	-	-	.	•
Birr Castle	r or d.c	c	c		66	45	38	2	.	0900	1·2
Baldonnell	c	b or bc	b or bc	b or bc	62	41	~~36~~ 46	-	.	.	~~1·4~~ 11·2
Holyhead	o.bc	b or bc	c. bc. b	b or bc	~~64~~ 63	~~39~~ 49	46	-	.	.	11·3
Liverpool (Bidston) ...	c	b or bc	b or bc		68	47	41	-	.	.	9·0
Manchester (Alex.Pk.)	cm	c	b or bc (if)		68	37	31	-	.	.	•
Howden	c	c	b or bc	b or bc	64	34	24	-	.	.	8·2
Spurn Head	c	b or bc	b or bc	b or bc	60	49	•	-	.	.	•
Nottingham	c	c	b or bc		65	37	32	0.5	.	.	6·6
Cranwell	c	c	b or bc	b or bc	63	40	33	0.2	.	.	7·9
Gorleston	c	cqbcq	b or bc	c	60	53	51	-	.	.	8·5
Pulham	c	c	c	c	62	41	33	-	.	.	3·7
Felixstowe	oo	b or bc	b or bc	b or bc	62	41	•	-	.	.	4·3
Valencia (Cahirciveen)	r or d	r or d	oo	c	67	57	56	0.3	.	1230	0·0
Roches Point	oo	ogim	oo		66	56	•	.	.	.	•
Pembroke (St.Ann's H.)	F	oo	b or bc	b or bc	61	52	•	-	.	.	6·2
Ross-on-Wye	ir.	oo	c.b	bw.b	60	41	33	0.5	.	.	1·2
Benson...	oo	c	b or bc		66	39	31	-	.	.	•
S. Farnborough ...	oo	c	b or bc		62	43	38	-	.	.	0·8
London (Kew Obsy) ...	oo	co	b.bc.c	b.bq	64	~~45~~ 46	39	-	.	.	0·4
Croydon	oimo	ocbcb	b.c. c	c. ow	62	41	35	-	.	.	•
Clacton-on-Sea ...	ogcbc		bc	bc.c	61	46	43	-	.	.	6·5
Shoeburyness	oo	b or bc	b	bc	61	45	37	-	.	.	5·3
Grain	oo	b or bc	b or bc		60	50	43	-	.	.	5·4
Lympne	od.	ocbcq	cq	b or bc	60	44	38	trace	.	.	4·4
Scilly (St. Mary's) ...	c	c	oo	c	71	57	•	-	-	.	3·0
Falmouth	bcco	ogcqm	oo	oo	68	55	52	-	.	.	4·4
Plymouth	oo	oo	oo	c	69	54	•	-	.	.	0·9
Portland Bill	oo	oo	oo	b or bc	62	57	•	-	.	.	•
Calshot	oo	oo	b or bc	b or bc	64	50	48	-	.	.	0·0
Dungeness	oo	c	c	b or bc	63	54	•	-	.	.	•
Jersey	ocb	bcog	arlu	ag	73	57	•	-	.	.	7·2

ISALLOBARS. 28th June

POSITION NUMBERS



Temperature reported from Cross Channel and Coastal Steamers

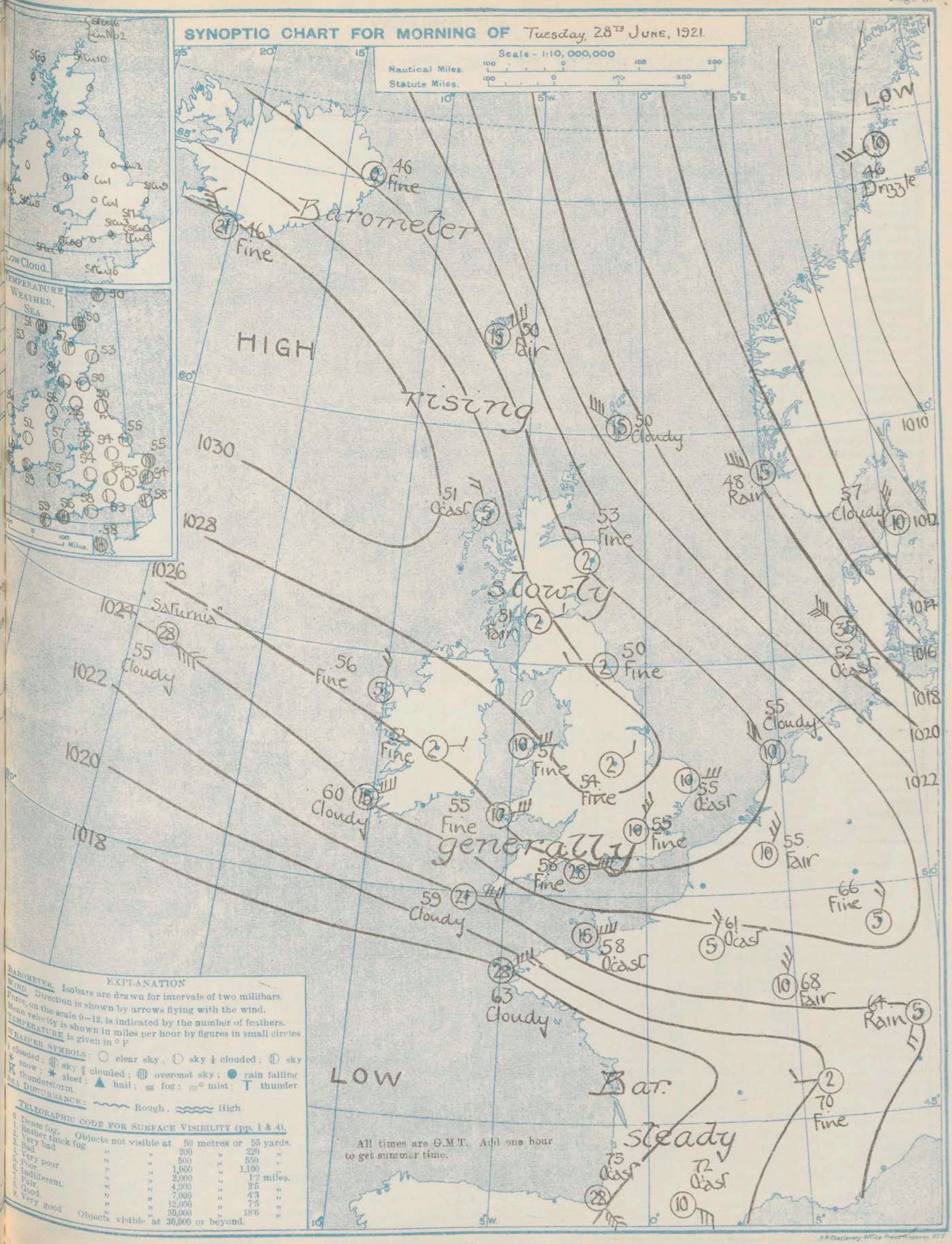
Position Number.	3	Y
Date	27th	28th
Time G.M.T.	1000	0300
Sea °F	63	54
Air °F	56	56

GENERAL INFERENCE.

An elongated anticyclone, centred off the South of Iceland stretches to central England, while pressure is lowest over the Baltic and Bay of Biscay. Fine, dry weather is probable generally, with the wind mainly Northerly in the North and Easterly in the South. Temperature will rise gradually. Similar conditions are likely to continue for some days.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Tuesday 28th June, 1921.	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 mainly East, light or moderate, stronger locally; fine; visibility good; temperature rising slowly.	Continuing fine and dry for some days with a rising temperature.
~~8. N.W. England~~ 9. N. Midlands 10. N.E. England 11. E. Scotland	Wind North or North-West, moderate or light; fair generally; visibility good; cool.	
12. S.W. Scotland 13. Isle of Man	Wind mainly between N.E. and E. light; fine; visibility fair or good; temperature rising slowly.	
14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Same as 8 - 11.	
~~17. N.W. Ireland~~ 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Same as 1 - 7.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 08.53 GMT. G. C. SIMPSON, F.R.S., Director.



EXPLANATION

BAROMETER. Isobars are drawn for intervals of two millibars.

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

TEMPERATURE is given in ° F.

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

SEA DISTURBANCE: ~~~ Rough, ≈≈≈ High.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY (pp. 1 & 4).

0 Dense fog.	Objects not visible at	50	metres	or	55	yards.
1 Rather thick fog	"	"	200	"	220	"
2 Very bad	"	"	500	"	550	"
3 Bad	"	"	1,000	"	1,100	"
4 Very poor	"	"	2,000	"	1·2	miles.
5 Poor	"	"	4,000	"	2·5	"
6 Indifferent	"	"	7,000	"	4·3	"
7 Fair	"	"	12,000	"	7·5	"
8 Good	"	"	30,000	"	18·6	"
9 Very good	Objects visible at		30,000		or beyond.	

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION... Tuesday, ... 28th June ....1921. No. 179...

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	1022·0	-3	W	4	c	49	46	6	4250	St Cu	2	A St	7	*
Stornoway	1029·5	0	-	0	b	*	*	4	·	-	0	·	0	*
Wick	1026·5	-1	WNW	1	b	42	97	8	·	Cu Nb	2	Ci	3	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head														
Renfrew	1028·3	+2	·	0	bc	43	92	8	·	·	0	A St	6	*
Leith (INCHKEITH)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1029·6	+2	-	0	b	37	85	4	-	-	0	Ci St	1	*
Tynemouth	1028·4	+1	W	1	fb+	44	94	5	·	·	0	A Cu	3	*
Blacksod Point	1025·2	0	·	0	o	56	?	7	450	St	10	·	10	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1026·6	+1	E	3	b	49	85	8	·	·	0	·	0	*
Holyhead	1025·9	+1	E/N	5	b	*	*	8	-	-	0	·	0	*
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex. Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1028·0	0	·	0	b	37	97	4	-	·	0	A St	1	*
Spurn Head	1028·5	0	NNE	2	bv	50	92	9	5450	Cu	1	A Cu	2	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1028·4	0	NNE	3	b+	41	97	8	·	-	0	A St	1	*
Gorleston	1026·9	+1	ENE	4	bc+	53	92	9	4250	St Cu	6	·	6	*
Pulham	1027·4	+1	-	0	bc+	44	97	7	4000	St Cu	5	·	5	*
Felixstowe	1026·8	+1	N	2	b	44	92	8	·	·	0	·	0	*
Valencia (Cahirciveen)	1025·7	+1	ENE	3	bc-	60	*	5	*	St Cu	6	·	6	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1024·6	+2	E	3	b	54	85	8	-	·	0	-	0	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy)	1027·0	+1	*	*	*	52	*	*	*	*	*	*	*	*
Croydon	1026·9	+1	E/N	3	c	47	97	8	·	-	0	Ci St	8	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1026·0	+1	NE	3	bc	48	85	9	-	·	0	Ci	4	*
Scilly (St. Mary's)	1021·0	+2	E/S	4	o	59	92	8	2500	St Cu	10	-	10	*
Falmouth														*
Plymouth	1022·2	+1	E	4	o	58	85	8	800	St	10	-	10	*
Portland Bill	1022·6	0	E	5	c	58	92	8	1500	Cu	8	·	8	*
Calshot	1025·5	+1	NE	4	b	52	85	8	·	-	0	Ci	3	*
Dungeness	1025·2	+1	NE	5	b-	55	75	9	·	-	0	A Cu	4	*
Jersey (Guernsey lh.)	1020·5	+3	NE	6	c	54	85	8	4000	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)
Lerwick	1020·9	-1	NW	4	c	50	85	8	4250	St Cu	8	·	8
Stornoway	1029·0	-1	NNW	2	o	51	85	7	800	St	10	·	10
Wick	1024·9	-1	NW	3	o	50	92	8	5750	St Cu	10	·	10
Castlebay	1029·6	+1	NNW	2	bcv	53	75	9	-	·	0	A St	5
Nairn	1026·4	*	W	2	bc	52	*	*	*	*	*	*	*
Aberdeen	1026·7	0	NNW	1	b	53	75	8	-	-	0	Ci	1
Malin Head													
Renfrew	1028·1	0	E	1	bc	51	85	3	-	·	0	Ci	6
Leith (INCHKEITH)	1027·0	-1	WNW	3	b	50	85	7	-	-	0	Ci Cu	2
Eskdalemuir	1028·3	0	-	0	b	49	75	8	-	-	0	-	0
Tynemouth	1027·9	0	W	1	fb-	50	85	5	·	·	0	Ci Cu	2
Blacksod Point	1027·0	+2	NE	2	b	56	92	8	-	·	0	·	0
Donaghadee	1028·2	+1	-	0	by	56	70	8	·	-	*	·	*
Birr Castle	1025·8	*	E	1	b·	52	97	6	-	·	0	Ci Cu	2
Baldonnell	1027·4	+2	NE	1	b·	55	85	6	-	-	0	A St	1
Holyhead	1027·4	+2	E	3	b	57	75	8	-	·	0	Ci St	2
Liverpool (Bidston)	1028·3	+1	ESE	2	b	54	65	8	·	·	0	Ci St	2
Manchester (Alex. Pk.)	1028·9	+1	·	0	b+	55	65	7	-	·	0	Ci St	1
Howden	1026·2	0	NW	1	b	49	75	9	·	-	0	·	3
Spurn Head	1028·5	0	NNE	2	b	55	85	9	4000	Cu	2	Ci St	2
Nottingham	1028·4	*	ENE	1	b	54	75	6	4000	Cu	1	Ci St	3
Cranwell	1028·3	0	NNE	3	b	52	75	8	4000	St	1	·	2
Gorleston	1027·5	0	E	3	o+	55	85	8	7250	St Cu	7	·	9
Pulham	1027·4	0	NE	2	o	55	75	8	4000	St Cu	9	·	9
Felixstowe	1027·6	+1	N	2	c-	53	75	8	4000	St Cu	8	·	8
Valencia (Cahirciveen)	1024·1	+2	E/N	4	c	60	75	8	4000	St Cu	6	A Cu	8
Roches Point	1025·6	+2	SE	4	c-	59	85	8	800	St Cu	5	A Cu	8
Pembroke (St. Ann's H.)	1026·2	+1	E	3	b	55	75	8	-	·	0	Ci	2
Ross-on-Wye	1027·1	+1	E	3	b	54	75	9	·	·	0	Ci	1
Benson	1027·0	+2	NE	1	b	52	65	9	*	St	1	Ci	2
S. Farnborough	1027·3	+2	E	3	b+	53	75	8	4000	St Cu	3	·	3
London (Kew Obsy)	1027·6	+2	NE	3	b+	55	65	7	4000	St	1	A Cu	2
Croydon	1027·0	+1	E/N	3	o+	54	75	8	2000	St Cu	6	A Cu	9
Clacton-on-Sea	1027·1	+2	NNE	3	c+	54	65	8	4000	Cu	7	·	7
Shoeburyness	1027·4	0	NE	3	b	56	65	8	4000	Cu	6	·	3
Grain	1026·9	+1	ENE	5	c+	55	65	9	4000	St Cu	7	·	7
Lympne	1026·4	+3	ENE	4	cv	56	75	9	2500	Cu	7	·	7
Scilly (St. Mary's)	1021·4	+1	E/S	5	bc-	59	85	7	4000	St Cu	6	·	6
Falmouth	1023·9	+2	E	5	o	56	75	8	*	St Cu	9	·	9
Plymouth	1023·5	+3	ESE	5	bc-	58	65	8	4000	St Cu	6	·	6
Portland Bill	1025·3	+4	E	6	b	58	92	8	·	·	0	Ci Cu	1
Calshot	1026·3	+2	ENE	5	b	55	75	8	·	·	0	Ci	1
Dungeness	1026·1	+2	E	5	bc+	58	75	9	2500	Cu	6	·	6
Jersey (Guernsey lh.)	1022·0	+2	E	4	o	58	85	8	4000	St Cu	10	·	4

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

Stations	Weather Forenoon.	Weather Afternoon.	Temperature Max. Day °F.	Temperature Min. Night °F.	Rainfall.† Night 17h.-9h. 26th-27th (mm.)	Rainfall.† Day 9h.-17h. 27th (mm.)	Sunshine Sunrise to 17h. 27th (hr.)	Sunshine Sunrise to Sunset 26th (hr.)
Banff	oc	bc	55	47	1	-	4.0	13.9
Montrose	cb	cb	59	43	-	-	7.4	9.5
Llandudno	cb.b	b	65	51	2	-	7.1	6.4
Colwyn Bay	b	b	65	51	2	-	6.8	7.2
Rhyl	bc	bc	67	51	0.6	-	6.4	4.4
Southport	bc b	b	67	49	0.5	-	9.7	2.2
Blackpool	c	bc	67	50	-	-	9.2	0.7
Harrogate	c	b	61	46	-	-	9.4	0.0
Skegness	obc bv	obbc	59	52	-	-	6.5	2.5
Aberystwyth	rcr	c	62	53	4	4	3.0	1.0
Bath	o	o	61	55	-	-	0.0	2.0
Leamington Spa	od	cb	62	51	10	-	1.8	?
Lowestoft	oc	cbc	58	54	-	-	4.5	?
Felixstowe	om	b	60	54	-	-	4.5	10.9
Southend	o	c.bc	64	54	trace	-	2.7	8.0

Stations	Weather Forenoon.	Weather Afternoon.	Temperature Max. Day °F.	Temperature Min. Night °F.	Rainfall.† Night 17h.-9h. 26th-27th (mm.)	Rainfall.† Day 9h.-17h. 27th (mm.)	Sunshine Sunrise to 17h. 27th (hr.)	Sunshine Sunrise to Sunset 26th (hr.)
Paignton	o	o	62	55	-	-	0.0	7.7
Ilfracombe	o	oco	60	59	-	-	0.5	3.0
Bude	oco	cbc.bc	68	60	-	-	4.4	0.2
Penzance	bc	bc.c	70	53	-	-	5.5	5.7
Torquay	oz	oz	63	58	-	-	0.0	6.2
Weymouth	o	o	66	57	-	-	0.0	5.7
Bournemouth	o	o	64	56	-	-	0.0	3.7
Portsmouth (S'thsea)	o	o	65	56	-	-	0.1	7.0
Worthing	o	o	64	56	-	-	0.0	5.5
Brighton	o	oco	66	56	-	-	0.3	1.5
Eastbourne	o	oc.bc	62	56	-	-	0.4	2.7
Hastings	o	ocob	68	55	-	-	0.9	7.0
Folkestone	oe	oe.c	64	56	trace	-	1.5	8.0
Tunbridge Wells	o	ocb	62	54	-	-	0.7	5.2
Ramsgate	-	-	59	53	0.1	-	3.6	10.3
Margate	o	cbc	58	55	-	-	2.8	9.0
Deal	odc	bc	62	56	-	trace	1.5	11.9

* 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. 21/69 WEDNESDAY, 29th JUNE 1921. 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	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1023.5	+1	NW	5	0	48	85	7	-	Nb	6	A St	10	*
Stornoway	1029.3	0	NNW	2	0	53	85	8	800	St	10	-	10	*
Wick	1026.1	+1	NW	1	C-	55	92	8	5750	St Cu	6	Ci	7	*
Castlebay	1030.3	+1	NW	3	bv	55	85	9	-	St Cu	1	A St	2	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1026.6	+1	NNW	4	bc	60	65	8	2500	Cu	6	-	6	*
Malin Head														*
Renfrew	1026.8	-1	W	1	bc	68	45	9	-	-	-	Ci	6	*
Leith (INCHKEITH)	1025.5	-3	W	2	bcff	67	45	9	-	-	-	Ci	5	*
Eskdalemuir	1025.9	-1	W	2	bc+	64	45	7	-	-	-	Ci St	5	*
Tynemouth	1026.7	0	E	1	b	63	85	8	-	-	-	A Cu	1	*
Blacksod Point	1025.9	-1	NE	3	b+	65	97	8	7250	Cu	1	Ci St	3	*
Donaghadee	1028.1	0	ESE	1	b+	64	55	8	-	Cu	1	Ci	3	*
Birr Castle	1026.5	*	SE	1	c+	68	75	7	2500	Cu	7	-	7	*
Baldonnell	1027.8	0	ENE	4	bc	63	55	8	-	-	-	A St	2	*
Holyhead	1027.1	-1	NE'N	4	bc	63	65	9	-	-	-	Ci	2	*
Liverpool (Bidston)	1027.1	-1	NNW	2	b	60	55	6	-	-	-	-	0	*
Manchester (Alex.Pk.)	1026.5	-4	ENE	2	b	68	45	5	-	-	-	-	0	*
Howden	1027.1	-2	E	1	c-	68	65	9	4000	Cu	1	-	1	*
Spurn Head	1027.5	-1	NNE	2	b-	65	97	9	-	-	-	-	0	*
Nottingham	1027.1	*	E	2	b-	67	55	6	-	-	-	Ci	1	*
Cranwell	1027.0	-2	ESE	2	b	66	45	9	-	-	-	A Cu	1	*
Gorleston	1026.6	-1	NE	3	b-	60	92	8	-	-	-	Ci St	1	*
Pulham	1026.0	0	NE	1	b	65	55	9	4000	Cu	2	-	2	*
Felixstowe	1027.4	-1	E'N	3	bv	60	55	9	4000	St Cu	1	-	1	*
Valencia (Cahirciveen)	1024.5	+1	SE'S	2	c+	69	65	8	4000	St Cu	2	A Cu	7	*
Roches Point	1026.0	0	ESE	5	c	64	85	8	-	-	-	Ci St	8	*
Pembroke (St.Ann's H.)	1025.3	-1	E	2	b	66	65	8	-	-	-	Ci	3	*
Ross-on-Wye	1025.6	-2	ENE	3	bcv	67	45	9	-	-	-	Ci	4	*
Benson	1025.2	-2	ENE	2	b	71	35	9	-	-	-	Ci	2	*
S. Farnborough	1026.2	-1	ENE	4	b	69	45	8	-	-	-	Ci	3	*
London (Kew Obsy.)	1025.8	-2	ENE	3	b	66	45	8	-	-	-	Ci	1	*
Croydon	1025.9	-1	E	3	b+	66	55	9	-	-	-	Ci	3	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1026.9	0	NE	2	b-	62	65	8	-	-	-	Ci	1	*
Grain	1027.0	0	E'N	4	b-	60	65	9	-	-	-	Ci	1	*
Lympne	1026.2	0	ENE	4	bcv	60	65	9	-	-	-	Ci	4	*
Scilly (St. Mary's)	1021.9	0	E	5	c	64	75	8	4000	St Cu	8	-	8	*
Falmouth	1023.6	+1	ESE	6	0	63	75	7	-	-	-	A Cu	9	*
Plymouth	1023.1	-1	E	5	c+	66	55	8	-	-	-	A Cu	7	*
Portland Bill	1024.0	-2	E	6	b	59	92	8	-	-	-	Ci Cu	2	*
Calshot	1024.5	-4	SE'E	5	bc	62	75	9	-	-	-	Ci	6	*
Dungeness	1025.8	0	ENE	4	bc	63	55	9	-	-	-	Ci Cu	4	*
Jersey	1021.5	0	E	4	0	64	75	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	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1022.6	+1	N'W	4	0	46	85	8	-	Nb	6	A St	10	4
Stornoway	1029.3	0	NNW	3	0	52	85	8	4500	St	10	-	10	2
Wick	1026.0	-1	NNW	4	0-	51	97	8	5750	St Cu	9	-	9	3
Castlebay	1029.1	0	NW	4	bcv	54	85	9	2500	Nb	1	A St	4	2
Nairn	1026.4	*	NNW	4	bc	58	*	*	*	*	*	*	*	*
Aberdeen	1025.7	0	NNW	3	b-	60	65	8	2500	Cu	1	-	1	0
Malin Head														
Renfrew	1025.3	-1	WNW	3	c	69	65	9	5750	St	7	-	7	*
Leith (INCHKEITH)	1024.6	+1	E	3	bv	57	75	9	-	St Cu	1	Ci	3	2
Eskdalemuir	1024.5	-2	NW	3	bc	67	55	8	-	-	-	Ci	6	*
Tynemouth	1026.1	-1	ESE	2	b	58	97	8	-	-	-	Ci Cu	2	*
Blacksod Point	1025.5	-1	NE	3	b	62	97	8	-	-	-	-	0	0
Donaghadee	1026.4	-2	NNE	2	bv	60	65	9	-	-	-	Ci	2	0
Birr Castle	1024.2	*	SE	2	bc-	68	55	7	-	-	-	Ci Cu	4	*
Baldonnell	1026.4	-1	E'S	2	bv	62	45	9	-	-	-	A St	1	*
Holyhead	1025.8	-1	N'E	4	b	61	85	8	-	-	-	A St	2	1
Liverpool (Bidston)	1025.1	-2	NNW	3	bv	61	65	9	-	-	-	-	0	3
Manchester (Alex.Pk.)	1024.1	-2	NNW	3	b	69	55	6	-	-	-	-	0	*
Howden	1024.6	-2	NE'E	3	cv	68	65	9	4000	St Cu	1	Ci St	7	*
Spurn Head	1025.1	-1	E	3	b+	63	97	9	-	-	-	Ci Cu	2	1
Nottingham	1024.5	*	SE	2	bc	69	55	6	-	-	-	Ci	2	*
Cranwell	1024.9	-2	ESE	3	bc	67	45	9	-	-	-	Ci	5	*
Gorleston	1026.6	-1	E	3	b+	59	92	8	-	-	-	Ci Cu	3	1
Pulham	1025.1	-1	E'N	2	b	69	65	9	4000	St Cu	1	Ci St	2	*
Felixstowe	1025.6	-2	NE'E	3	bv	57	65	9	-	-	-	Ci St	1	1
Valencia (Cahirciveen)	1024.5	0	E	2	b-	69	65	9	3750	Cu	2	Ci Cu	3	0
Roches Point	1025.2	-1	ESE	4	c-	63	75	8	-	-	-	Ci	7	3
Pembroke (St.Ann's H.)	1024.1	-1	-	0	bc+	65	65	8	-	-	-	Ci St	4	2
Ross-on-Wye	1023.4	-3	E'N	4	bv	69	45	9	-	-	-	Ci	3	*
Benson	1023.1	-3	NE	2	b	73	35	9	-	-	-	Ci	2	*
S. Farnborough	1023.3	-1	E	3	bc+	69	55	8	-	-	-	Ci	6	*
London (Kew Obsy.)	1024.0	-2	E	3	b	66	55	8	-	-	-	Ci	1	*
Croydon	1024.2	-1	E'N	3	bc+	64	65	9	-	-	-	Ci	5	*
Clacton-on-Sea	1025.3	-2	E	3	b	58	65	8	-	-	-	A St	3	0
Shoeburyness	1025.2	-3	E	4	b	59	65	8	-	-	-	Ci	1	*
Grain	1025.0	-2	E'N	4	b+	57	75	9	-	-	-	Ci	3	3
Lympne	1024.6	-1	ENE	5	bcv	58	65	9	-	-	-	Ci	6	*
Scilly (St. Mary's)	1021.2	0	E	4	c	61	65	8	4000	St Cu	3	A Cu	8	5
Falmouth	1022.9	0	E	5	0	61	75	8	-	-	-	A Cu	9	*
Plymouth	1022.6	-1	E	3	0+	63	65	8	-	-	-	Ci St	9	0
Portland Bill	1022.8	-2	E	5	b	59	92	8	-	-	-	Ci Cu	2	5
Calshot	1023.1	-2	ESE	5	c	62	75	8	-	-	-	Ci	8	4
Dungeness	1024.1	-2	E	4	bc+	59	75	9	-	-	-	Ci Cu	4	4
Jersey	1020.6	0	ENE	4	0	63	75	8	4000	St Cu	10	-	10	3

LONDON OBSERVATIONS.

	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. 24 hrs. mm.	Rainfall. Yesterday mm.	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	bz bby	by by	bf w bz	*	*	35	-	-	14.8	*	*
Croydon } 24 hours ended 0700	oc bc by	b bcy	bc bwm	*	*	34	-	-	*	*	*
Greenwich (Royal Obsy.)	b	b	b m	68	44	31	-	-	15.2	48	50
City (Bunhill Row)	*	*	*	*	*	*		*	14.8	*	*
Westminster (St. James' Pk.)	*	*	*	69	51	45	-	-	15.0	47	50
Regents Pk. (Botanical Gdns.)	*	*	*	*	*	*		*	15.0	*	*
Camden Sq. (Brit. Rainfall)	b	b	*	75	48	46	-	-	*	60	53
Kensington Palace	b	b	*	71	47	40	-	-	*	51 (18h)	51
Hampstead Observatory	*	*	*	68	49	38	-	-	14.7	*	54

ATMOSPHERIC POLLUTION. Lbs. of Solid impurity per million cubic yards.

24 HR. ended 1800 G.M.T. 28th

South Kensington

Max.	Time.	Min.	Time.

Kew Observatory

Max.	Time.	Min.	Time.
0.2	27th 21h	<0.2	27th 24h
0.4	28th 10h		

SOLAR RADIATION. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total 2597 joules

Average Rate 43.6 Milliwatts.

Maximum Rate 88 Milliwatts.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 28 21h 30m to 29 2h 30m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	5.0	5.0	100
δ Ursae Minoris	5.0	5.0	100

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

29th & 30th JUNE 1921.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.34	11.56	8.18
	3.34	11.56	8.18
Greenwich	3.47	12.3	8.19
	3.47	12.3	8.19
Wick	3.9	12.45	9.20
	3.10	12.45	9.20
Valencia	4.25	12.44	9.3
	4.26	12.44	9.2

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.
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"; bc = cloud 0-5; co = cloud 6-10.

Capital letters indicate intensity, and repetition of letters continuity, thus:—
R = heavy rain.
rr = continuous moderate rain.
$r_o r_o$ = continuous light rain.

SEA DISTURBANCE.

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

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

Beaufort No.	Statute miles per hour.	Metres per second.
0	Less than 1.	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·3
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

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

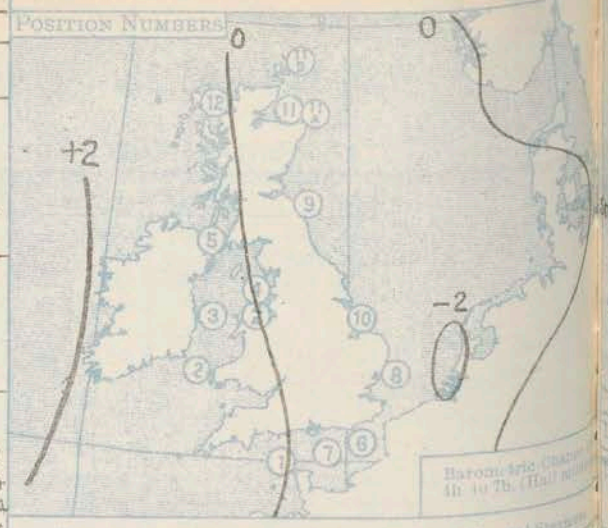
M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS

STATIONS.	WEATHER. 7h.-13h. 28th	13h.-18h. 28th	18h.-1h. 29th to 1h. 29th	1h.-7h. 29th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h.	Night. 18h.-7h.	Precipitation began.	SUN. Hours.
Lerwick	oo	oo	oo	oo	50	43	.	-	-	-	.
Stornoway	oo	oo	b or bc	oo	55	49	.	-	-	-	0.0
Wick	oo	oo	oid.	oid.	56	47	.	-	0.3	-	
Castlebay	bc.b	bbc	bco	o	55	49	.	-	-	-	14.0
Nairn	bc b	bbcq	bc		64	40	.	-	-	.	15.4
Aberdeen	b or bc	b or bc	c		63	49	46	-	-	-	15.8
Malin Head			b or bc	oo	59	50	.	-	-	-	13.5
Renfrew	bcc im	c	cucb	qm	71	44	34	-	-	-	14.6
Leith (INCHKEITH) ...	f+m	b or bc	b or bc		70	49	42	-	-	-	.
Eskdalemuir	b or bc	c	b or bc	oo	71	43	36	-	-	-	14.7
Tynemouth	b or bc	b or bc	b or bc im	m	65	50	.	-	-	-	.
Blacksod Point ...	b or bc	b or bc	b or bc	b or bc	62	54	.	-	-	-	.
Donaghadee	bc	bc	bcm	bw	67	50	.	-	-	-	.
Birr Castle	c	c	b or bc		70	41	35	-	-	-	14.8
Baldonnell	b or bc	b or bc	b or bc	b or bc	65	39	34	-	-	-	14.4
Holyhead	b or bc	b or bc	b or bc	bw	65	58	37	-	-	-	15.4
Liverpool (Bidston) ...	b or bc	b or bc	b or bc		66	47	44	-	-	-	13.8
Manchester (Alex. Pk.)	b or bc im	b or bc	b or bc m. im		72	47	40	-	-	-	.
Howden	b or bc	c	b or bc	oo	73	40	33	-	-	-	13.7
Spurn Head	b or bc	b or bc	b or bc	c	65	53	.	-	-	-	.
Nottingham	b or bc	b or bc	b or bc		71	47	41	-	-	-	14.8
Cranwell	b or bc	b or bc	b or bc	b or bc	69	44	38	-	-	-	14.9
Gorleston	c	b or bc	b or bc	bbcco	61	48	45	-	-	-	10.6
Pulham	b or bc	b or bc	b or bc	b or bc	67	41	32	-	-	-	11.5
Felixstowe	b or bc	b or bc	b or bc	b or bc	62	44	.	-	-	-	11.2
Valencia (Cahirciveen)	b or bc	b or bc	b or bc	b or bc	71	50	42	-	-	-	6.0
Roches Point	c	c	bw		67	51	.	-	0.1	-	.
Pembroke (St. Ann's H.)	b or bc	b or bc	b or bc	b or bc	67	53	.	-	-	-	14.3
Ross-on-Wye	bvbcvy	bcvybvy	bv	bw	70	43	36	-	-	-	15.8
Benson	b or bc	b or bc	b or bc		75	38	29	-	-	-	.
S. Farnborough ...	b or bc	b or bc	b or bc		72	37	35	-	-	-	14.8
London (Kew Obsy).	bzbby	byby	b.6sf2wbzbz		70	46	35	-	-	-	14.8
Croydon	ocbcby	bbcy	bc bw	bw imim	68	39	34	-	-	-	.
Clacton-on-Sea ...	c	bc	bc	bc.b	61	47	42	-	-	-	14.5
Shoeburyness	b or bc	b or bc	bw	b	63	43	32	-	-	-	13.9
Grain	b or bc	b or bcv	b or bc		62	47	36	-	-	-	12.7
Lympne	b or bc	bc bv	bc v	bbcw	61	44	34	-	-	-	15.3
Scilly (St. Mary's) ...	c	c	c	c	65	57	.	-	-	-	5.2
Falmouth	oo	co	oc	c bc	64	58	52	-	-	-	2.4
Plymouth	b or bc	c	b or bc	b or bc	67	52	51	-	-	-	8.6
Portland Bill	b or bc	b or bc	b or bc	b or bc	62	55	.	-	-	-	.
Calshot	c	c	c	b or bc	64	50	43	-	-	-	14.9
Dungeness	b or bc v	b or bc	b or bc v	b or bc v	64	53	.	-	-	-	
Jersey	og	og	c	og	65	58	.	-	-	-	0.6

ISALLOBARS. 29th June

POSITION NUMBERS



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

Temperature reported from Cross Channel and Coastal Stations.

Position Number.	3	1	7
Date	28	28	29
Time G.M.T.	1010	1200	0300
Sea ° F	54	56	57
Air ° F	53	55	56

GENERAL INFERENCE.

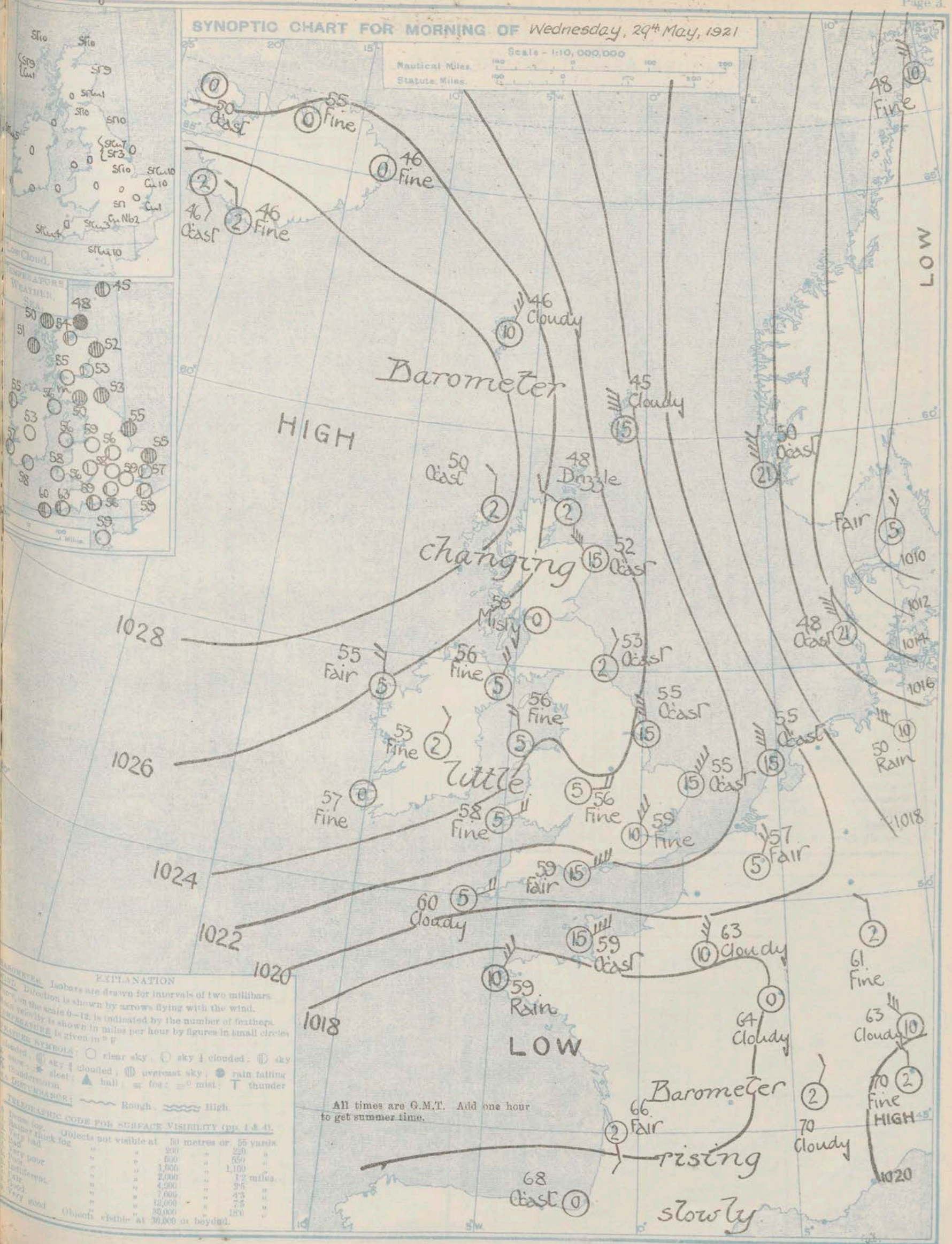
An anticyclone still stretche over these Islands from the North-Westward, and fine, dry weather will probably continue for some days, with an increasi temperature, especially inland. The wind will be mainly from between North and East.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday 29th June, 1921.	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 North-East or East, light or moderate inland, fresh at times on coast; fair or fine; visibility good; temperature becoming high inland.	
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 light or moderate, mainly from North or North-East; mainly fair or fine; visibility good; temperature rising.	Mainly fine, dry and warmer.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind North or North-East, light; fine; visibility good; temperature rising.	

R.S.

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

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


SYNOPTIC CHART FOR MORNING OF Wednesday, 29th May, 1921
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
Low Cloud.
Barometer
HIGH
LOW
changing
little
rising
slowly
1028
1026
1024
1022
1020
1018
1016
1014
1012
1010
50 Clear
55 Fine
46 Fine
46 Clear
46 Fine
46 Cloudy
45 Cloudy
50 Clear
48 Drizzle
52 Clear
50 Clear
48 Fine
Fair
Misty
55 Fair
56 Fine
53 Clear
55 Clear
53 Fine
56 Fine
55 Clear
55 Clear
50 Rain
55 Clear
57 Fine
58 Fine
56 Fine
59 Fine
57 Fair
59 Fair
60 Cloudy
59 Clear
63 Cloudy
61 Fine
59 Rain
64 Cloudy
63 Cloudy
70 Fine
Barometer
66 Fair
70 Cloudy
68 Clear
HIGH
All times are G.M.T. Add one hour to get summer time.
EXPLANATION
BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Direction is shown by arrows flying with the wind.
Force, on the scale 0–12, is indicated by the number of feathers.
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 (pp. 1 & 4).
0 Dense fog. Objects not visible at 50 metres or 55 yards.
1 Thicker than fog " " 200 " 220 "
2 Very bad " " 500 " 550 "
3 Very poor " " 1,000 " 1,100 "
4 Poor " " 2,000 " 1·2 miles.
5 Indifferent " " 4,000 " 2·5 "
6 Fair " " 7,000 " 4·3 "
7 Good " " 12,000 " 7·5 "
8 Very good " " 25,000 " 18·0 "
9 Objects visible at 30,000 or beyond.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. WEDNESDAY, 29th JUNE 1921. No. 180

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	1022.6	0	NW	2	0	45	85	6	5750	Nb	4	A.Sr.	10	*
Stornoway	1029.3	0	N	1	bc-	*	*	7	*	*	*	*	*	*
Wick	1025.5	-1	NN	3	o/r	48	97	8	800	Sr.	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1027.4	0	NW	3	ot	52	97	8	4000	St.Cu	9	-	9	*
Renfrew	1025.8	+1	-	0	b	46	92	8	-	-	-	A.Sr	3	*
Leith (INCHKEITH) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1026.2	0	NE	1	b	46	85	7	-	-	-	Ci	1	*
Tynemouth	1026.1	0	N	1	fo+	52	97	4	-	-	-	A.Sr	10	*
Blacksod Point ...	1026.3	-1	NE	3	b	55	97	8	-	-	-	-	0	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1026.4	0	E	1	b	42	92	8	-	-	-	-	0	*
Holyhead	1024.8	-1	NE	2	b	*	*	8	-	-	-	-	0	*
Liverpool (Bidston) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1028.2	0	-	0	b	43	97	8	4000	Sr.	1	A.Sr	2	*
Spurn Head	1026.1	0	NNE	2	b	54	85	9	2500	Sr.	1	-	1	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1024.9	0	NE	1	b	47	85	8	-	-	-	Ci	1	*
Gorleston	1023.9	-2	N	1	b	49	92	8	-	-	-	-	0	*
Pulham	1024.2	-1	-	0	b	43	97	?	-	-	-	-	0	*
Felixstowe	1024.2	-1	N	2	bv	46	85	9	-	-	-	Ci.Sr	1	*
Valencia (Cahirciveen)	1025.8	+1	-	0	bc	58	*	6	-	Cu	6	-	6	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1023.7	0	NE	2	b-	56	85	8	-	-	-	-	0	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (KEW OBSY)	1024.0	-1	*	*	*	51	*	*	*	*	*	*	*	*
Croydon	1024.1	-2	-	0	b	41	97	8	-	-	-	-	0	*
Clacton-on-Sea ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1024.2	-2	ENE	3	b-	47	92	9	-	-	-	Ci	1	*
Scilly (St. Mary's) ..	1021.8	0	E'S	2	c	58	92	8	5750	Sr.Cu	8	-	8	*
Falmouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plymouth	1022.1	0	E	2	b-	60	65	9	4000	Sr.Cu	2	-	2	*
Portland Bill	1022.8	0	ENE	4	b	58	92	8	-	-	-	Ci Cu	1	*
Calshot	1023.1	-1	NE'N	3	b	53	75	8	-	-	-	-	0	*
Dungeness	1022.7	-1	NE	4	b	54	85	9	-	-	-	-	0	*
Jersey (Guernsey 1h.)	1020.5	-1	NE	5	o	58	85	8	5750	Cu	3	A.Sr	10	*

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	1022.8	0	N'N	4	c-	45	85	8	-	-	-	A.Sr.	8	*
Stornoway	1028.3	0	N	1	o	50	85	6	450	Sr.	10	-	10	0
Wick	1025.2	0	NNN	1	od.	48	97	8	450	Sr.	10	-	10	3
Castlebay	1027.5	0	N	4	o	51	85	8	5750	Sr.	10	-	*	0
Nairn	1025.6	*	-	0	bc	54	*	*	*	*	*	*	*	0
Aberdeen	1025.5	0	NN'N	4	o	52	75	8	1500	Sr.	9	-	9	*
Malin Head	1026.8	-1	NW	2	o	50	97	8	4000	St.Cu	9	-	9	*
Renfrew	1025.4	0	-	0	fb-	55	85	4	-	-	-	-	0	*
Leith (INCHKEITH) ...	1024.8	0	SE	1	b-	53	85	8	-	Sr.Cu	1	-	1	*
Eskdalemuir	1025.4	0	NNE	2	o-	50	85	6	1500	Sr.	10	-	10	*
Tynemouth	1025.1	-1	NNE	1	o/f	53	97	8	4000	Sr.	10	-	10	4
Blacksod Point ...	1025.9	+2	N	2	bc+	55	97	7	4000	Sr.Cu	5	-	5	1
Donaghadee	1024.6	-1	NNE	2	b-	56	75	8	-	-	-	-	0	*
Birr Castle	1025.8	*	NE	1	b-	53	85	7	-	-	-	-	0	*
Baldonnell	1025.4	-1	-	0	b	53	75	8	-	-	-	-	0	0
Holyhead	1024.4	+1	NNN	2	b	56	97	8	-	-	-	-	0	0
Liverpool (Bidston) ...	1023.9	0	-	0	b	59	75	4	-	-	-	-	0	*
Manchester (Alex.Pk.)	1024.4	0	ENE	2	b	60	55	7	-	-	-	-	0	*
Howden	1024.7	0	-	0	o	53	92	8	1500	Sr.Cu	10	-	10	0
Spurn Head	1024.3	-1	N	4	o+	55	75	8	-	-	-	A.Sr	10	*
Nottingham	1024.7	*	E	2	b+	56	85	6	4000	Cu	3	-	3	*
Cranwell	1024.8	0	NE'E	2	o	53	85	8	1800	Sr.	10	-	10	*
Gorleston	1023.1	0	NE'N	4	o-	55	92	8	7250	Sr.Cu	10	-	10	0
Pulham	1023.8	0	NNE	3	c+	56	85	8	4000	Cu	7	-	7	*
Felixstowe	1023.8	0	N'E	3	bv	57	75	9	4000	Cu	2	-	2	1
Valencia (Cahirciveen)	1025.1	+2	-	0	b-	57	75	9	-	-	-	Ci Cu	2	0
Roches Point	1024.1	+1	N	2	b-	58	85	8	-	-	-	Ci	1	0
Pembroke (St. Ann's H.)	1023.7	+1	ENE	2	b	58	85	8	-	-	-	-	0	2
Ross-on-Wye	1023.9	0	N	1	b-	56	75	8	-	-	-	C.Sr	1	*
Benson	1023.2	0	NE	2	b	58	65	8	-	-	-	-	0	*
S. Farnborough ...	1023.6	+1	ENE	4	b-	56	75	8	2500	Sr.	1	-	0	*
London (KEW OBSY)	1023.9	-1	NE	3	b/f	59	65	7	-	-	-	-	0	*
Croydon	1023.6	-1	NE	2	b+	56	75	7	-	-	-	-	0	*
Clacton-on-Sea ...	1023.6	0	NE	3	b	57	75	8	-	-	-	A.Sr	2	0
Shoeburyness	1023.8	-1	NE	3	b	59	65	7	-	-	-	-	0	0
Grain	1023.2	0	NE	4	bv	58	75	9	-	-	-	-	0	*
Lympne	1022.8	+1	NE	5	b+	57	75	9	4000	Cu	1	Ci.Sr.	3	*
Scilly (St. Mary's) ..	1020.8	0	E'N	2	c	60	75	9	4000	Sr.Cu	4	A.Cu	8	5
Falmouth	1020.9	0	ENE	5	bc	63	55	8	-	-	-	A.Cu	5	*
Plymouth	1020.8	0	ESE	1	b-	59	55	9	-	-	-	A.Cu	3	0
Portland Bill	1021.1	-2	ENE	4	b	59	92	8	2500	Sr.Cu	3	-	3	4
Calshot	1022.6	-1	NE'E	4	b	59	97 65	8	-	-	-	Ci	3	0
Dungeness	1022.3	0	NE	4	b	59	75	9	7250	Cu	1	-	1	2
Jersey (Guernsey 1h.)	1018.9	0	ENE	4	o	59	85	8	4000	Sr.Cu	10	-	10	3

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

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day °F.	Temperature. Min. Night. °F.	Rainfall.† Night 17h.-9h. 27th-28th mm.	Rainfall.† Day 9h.-17h. 28th mm.	Sunshine. Sunrise to 17h. 28th hr.	Sunshine. Sunrise to Sunset. 27th hr.
Banff	cbc	bcc	59	37	-	-	8.4	6.5
Montrose	b	b	61	41	-	-	12.6	9.4
Llandudno	b	b	65	47	-	-	12.7	9.7
Colwyn Bay ...	b	b	64	48	-	-	~~11.2~~ 13.0	9.3
Rhyl	b	b	65	44	-	-	12.3	9.4
Southport	b	b	64	41	-	-	12.7	11.8
Blackpool	cb	bc	63	41	-	-	12.5	11.4
Harrogate	b	b	72	59	-	-	11.2	13.7
Skegness	bc	bv	61	42	-	-	10.3	8.8
Aberystwyth ...	cb.b	b	72	49	-	-	13.0	5.0
Bath	b	b	72	45	-	-	11.2	0.2
Leamington Spa ...	bc	b	69	41	0.4	-	12.8	4.8
Lowestoft	cbc	bc.b	59	52	-	-	8.3	5.8
Felixstowe	o	b	62	44	-	-	8.2	6.9
Southend	bcb	b	67	44	-	-	10.6	4.5

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day. °F.	Temperature. Min. Night. °F.	Rainfall.† Night 17h.-9h. 27th-28th mm.	Rainfall.† Day 9h.-17h. 28th mm.	Sunshine. Sunrise to 17h. 28th hr.	Sunshine. Sunrise to Sunset. 27th hr.
Paignton	cq bc	bc	64	54	-	-	7.0	0.0
Ilfracombe	bc	bc	67	54	-	-	11.0	5.5
Bude	b	bcc	73	53	-	-	10.9	5.3
Penzance	ocp	cbc	66	56	-	0.1	4.3	0.0
Torquay	bcc bc	bc.b	63	54	-	-	10.4	0.0
Weymouth	bc	bc	70	51	-	-	11.2	0.2
Bournemouth ...	b	b	67	47	-	-	12.2	0.1
Portsmouth (S'thsea)	b	b	68	50	-	-	12.7	1.0
Worthing	b	b	67	48	-	-	12.2	1.4
Brighton	bc	bc	72	49	-	-	12.2	0.2
Eastbourne	bc	bc	64	50	-	-	12.5	3.5
Hastings	bc.b	b	63	48	-	-	12.7	1.5
Folkestone	bcv	b	68	50	-	-	12.0	2.5
Tunbridge Wells ...	b	b	67	44	-	-	11.5	6.0
Ramsgate	b	b	60	51	1	-	11.3	3.0
Margate	bcb	b	60	53	-	-	11.9	3.0
Deal	bcb	vbb	64	53	-	-	11.5	

* 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 21770 THURSDAY 30th JUNE 1921.

Observations at 1300 G.M.T. 29

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	1023.1	?	NNE	4	c	47	85	8	-	-	0	A.St	8	*
Stornoway	1023.9	0	N	3	0	54	75	8	450	St	10	-	10	*
Wick	1025.2	0	NNW	3	0	50	97	8	450	St	10	-	10	*
Castlebay	1027.5	0	N	3	0	55	85	7	5750	St	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1025.1	-1	N'W	4	0	55	75	8	1500	St	9	-	9	*
Malin Head	1026.6	0	N	3	0V	52	97	9	4000	StCu	10	-	10	*
Renfrew	1023.6	-2	-	0	b+	72	55	6	2500	Cu	2	-	2	*
Leith (N.H. Keith)	1024.1	-2	E	1	bv	62	65	9	-	St.Cu	1	-	1	*
Eskdalemuir	1023.2	-2	NE'N	2	b	66	65	8	-	-	0	-	0	*
Tynemouth	1024.7	-1	NE	3	b-	56	92	8	4000	Cu	2	-	2	*
Blacksod Point	1025.3	-1	N	4	b	58	97	8	1500	St	1	-	1	*
Donaghadee	1024.2	0	NNE	3	b	60	65	8	-	-	0	A.Cu	1	*
Birr Castle	1024.4	*	NE	1	b	69	65	7	-	-	0	-	0	*
Baldonnell	1024.1	-2	NE	3	b	70	45	8	4000	Cu	1	-	1	*
Holyhead	1023.9	0	NW'W	3	b	60	86	8	-	-	0	-	0	*
Liverpool (Bidston)	1022.7	-1	WNW	3	b	67	55	7	-	-	0	-	0	*
Manchester (Alex.Pk.)	1022.7	-2	ENE	3	b	60	45	5	-	-	0	-	0	*
Howden	1024.2	-1	N	2	0V	60	85	9	2500	St.Cu	10	-	10	*
Spurn Head	1023.8	0	N	5	0	58	75	9	7200	St.Cu	10	-	10	*
Nottingham	1023.7	*	E	2	c+	62	75	6	4000	Cu	7	-	7	*
Cranwell	1024.1	0	NNE	3	0	60	65	8	1500	Cu	10	-	10	*
Gorleston	1022.2	0	NE	5	dr	57	92	8	7200	St.Cu	10	-	10	*
Pulham	1022.6	0	E	4	0	60	75	9	4000	St.Cu	9	-	9	*
Felixstowe	1022.3	-2	NE	4	bc	61	75	8	4000	St.Cu	4	-	4	*
Valencia (Cahirciveen)	1024.9	-1	N	4	b+	69	55	9	-	-	0	Ci.Cu	3	*
Roches Point	1024.1	0	SE	4	b	65	75	8	-	-	0	-	0	*
Pembroke (St. Ann's H.)	1023.3	0	N	1	b	67	75	8	-	-	0	Ci.St	2	*
Ross-on-Wye	1021.6	-2	ENE	3	b	74	45	6	5750	Cu	1	-	1	*
Benson	1021.5	-1	NE	3	b+	72	45	8	-	Cu	2	-	2	*
S. Farnborough	1020.9	-2	ENE	4	bc+	74	45	8	5750	Cu	3	Ci.Cu	6	*
London (Kew Obsy.)	1021.3	-1	N	3	bc+	69	45	8	4000	Cu	4	Ci.St	5	*
Croydon	1021.2	-2	NE'E	4	c	70	45	9	4000	Cu	5	Ci.Cu	7	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1022.6	-1	ENE	4	bc+	64	65	7	4000	Cu	2	A.Cu	4	*
Grain	1022.4	0	E	5	bv	62	75	9	2500	Cu	3	-	3	*
Lympne	1021.9	0	NE'N	5	bc	61	75	9	2500	St.Cu	4	Ci.St	6	*
Scilly (St. Mary's)	1020.3	0	ENE	2	c	69	65	9	-	-	0	A.Cu	7	*
Falmouth	1021.2	0	E	5	c+	65	55	8	-	-	0	A.Cu	8	*
Plymouth	1020.4	-1	E	4	bc	71	45	9	-	-	0	A.Cu	6	*
Portland Bill	1021.1	0	ENE	4	b	63	92	8	-	-	0	Ci.Cu	2	*
Calshot	1020.6	-2	ESE	5	b-	66	75	8	-	-	0	Ci	2	*
Dungeness	1021.1	+1	NE	5	bc+	63	65	?	5750	Cu	3	Ci.Cu	5	*
Jersey	1018.8	0	E	4	o/r	60	75	8	2500	Nb	10	-	10	*

Observations at 1800 G.M.T. 29

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	1024.1	?	NNE	3	c	47	75	8	7200	St.Cu	8	-	8	2
Stornoway	1027.6	0	NNE	3	0	51	75	7	450	St	10	-	10	1
Wick	1025.3	0	NNW	3	0	48	92	8	800	St	10	-	10	0
Castlebay	1025.8	-1	NNW	4	bcV	54	85	9	5750	CuNb	2	A.St	5	3
Nairn	1025.3	*	ENE	3	c	53	*	*	*	*	*	*	*	*
Aberdeen	1024.8	0	N'W	3	0+	52	75	8	1500	St	10	-	10	0
Malin Head	1026.3	-2	NNW	3	0V	52	97	9	4000	StCu	10	-	10	2
Renfrew	1021.4	-2	WNW	2	bc+	71	55	9	4000	Cu	2	-	2	*
Leith (N.H. Keith)	1022.7	+1	SE	4	cV	55	75	9	-	St.Cu	7	-	7	3
Eskdalemuir	1021.7	-2	SE	1	b-	67	55	8	5750	Cu	2	-	2	*
Tynemouth	1024.2	-1	NE	3	bc+	56	97	8	4000	Cu	4	-	4	3
Blacksod Point	1024.7	-1	N	3	b	56	85	8	1500	St	1	-	1	1
Donaghadee	1023.0	-2	NE	3	b	59	75	8	-	-	0	A.Cu	1	3
Birr Castle	1022.3	*	NE	1	b+	75	55	7	2500	St.Cu	2	-	2	*
Baldonnell	1023.2	-1	NE'E	1	b	67	55	9	-	-	0	-	0	*
Holyhead	1022.4	-2	NW	3	b	60	92	9	-	-	0	-	0	1
Liverpool (Bidston)	1021.6	-1	NW'W	1	b	64	65	7	-	-	0	-	0	*
Manchester (Alex.Pk.)	1021.6	-1	ENE	3	b	67	55	6	-	-	0	-	0	*
Howden	1023.0	-1	NNE	3	b-	62	75	8	4000	Cu	1	-	1	*
Spurn Head	1023.4	0	N	5	c-	54	75	9	-	St.Cu	8	-	8	2
Nottingham	1022.2	*	ENE	2	b	64	65	6	4000	Cu	1	-	1	*
Cranwell	1022.9	0	NE'E	3	b-	60	65	8	2500	Cu	3	-	3	*
Gorleston	1022.2	-1	ENE	4	0	56	92	8	7200	St.Cu	10	-	10	0
Pulham	1022.2	0	NNE	4	0V	56	75	8	4000	St.Cu	9	-	9	*
Felixstowe	1021.9	-1	NE	4	b	57	75	8	4000	Cu	1	-	1	1
Valencia (Cahirciveen)	1022.9	-1	N	3	b-	69	55	9	-	-	0	Ci.Cu	2	0
Roches Point	1023.6	-1	SE	1	b+	63	92	8	-	-	0	Ci	1	0
Pembroke (St. Ann's H.)	1021.3	-1	NNE	3	b	66	75	8	-	-	0	-	0	2
Ross-on-Wye	1020.2	-1	E	4	b	71	45	8	5750	Cu	2	-	2	*
Benson	1021.4	+1	NE	3	b	65	65	9	-	-	0	Ci	1	*
S. Farnborough	1020.2	0	NE	3	bc	68	55	8	5750	Cu	2	Ci	5	*
London (Kew Obsy.)	1021.0	-1	NNE	3	b	67	55	8	4000	Cu	3	-	3	*
Croydon	1021.0	0	E'S	3	bc	64	65	9	4000	Cu	1	Ci	5	*
Clacton-on-Sea	1021.6	-1	ENE	5	bc	59	75	8	4000	Cu	3	A.Cu	5	0
Shoeburyness	1021.8	-2	ENE	2	b-	59	75	8	4000	Cu	1	-	1	*
Grain	1021.9	-1	E'N	4	bc+	59	75	9	2500	St.Cu	4	-	4	3
Lympne	1021.9	0	NE'E	5	bc	58	75	9	2500	Cu	3	Ci.St	5	*
Scilly (St. Mary's)	1020.9	0	E'N	1	bc	65	65	8	5750	Cu	2	A.Cu	4	1
Falmouth	1020.4	0	ENE	2	c+	69	75	8	-	St.Cu	6	A.Cu	7	*
Plymouth	1019.9	0	SSE	1	bc	68	55	9	-	-	-	acu	4	*
Portland Bill	1020.9	0	E	5	b	61	92	8	-	-	0	Ci.Cu	3	4
Calshot	1020.5	0	S'S	4	c+	61	85	8	-	-	0	A	7	3
Dungeness	1020.3	-1	E	4	b	58	85	9	-	-	0	Ci	3	4
Jersey	1018.9	0	E	3	o/r	58	92	8	2500	Nb	10	-	10	3

London Observations	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. Day. mm.	Rainfall. Night. mm.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 21h. G.M.T. %
	24 Hours ended 0900 G.M.T. 30								Yesterday.	To-day.	
Kew				*	*	48	-	-	14.4	*	*
Croydon } 24 hours ended 0700	obs. bcy	bv	by.cb.0	*	*	46	-	-	*	*	*
Greenwich (Royal Obsy.)	b bcy	cq. bc	b.0	*	*	46	-	-	*	*	*
City (Bunhill Row)	b	b.c.0	0.8.00	73	49	42	-	-	14.6	51	64
Westminster (St. James' Pk.)	*	*	*	*	*	*	-	-	*	*	*
Regents Pk. (Botanical Gdns.)	*	*	*	72	52	48	-	-	12.9	47	64
Camden Sq. (Brit. Rainfall)	*	*	*	*	*	*	-	-	13.2	*	-
Kensington Palace	b	b.bc	*	75	51	48	-	-	*	49	65
Hampstead Observatory	b	b.bc	*	73	50	48	-	-	*	59 (18h)	68
	*	*	*	69	48	42	-	-	14.9	*	69

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

24 Hr. ended 1600 G.M.T. 29

South Kensington Max.	Time.	Min.	Time.

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

Solar Radiation. Vertical component per square centimetre.

During yesterday.

South Kensington.

Total 2594.4 joules

Average Rate 43.6 Milliwatts.

Maximum Rate 90 Milliwatts.

Pole Star Record at Greenwich Obsy.

Exposure from 29 21 h. 30 m. to 30 2 h. 30 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	5.0	2 15	45
δ Ursae Minoris	5.0	2 3	41

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

30 June & 1st July 1921.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.35	11.56	8.17
	3.35	11.56	8.17
Greenwich	3.48	12.3	8.18
	3.48	12.3	8.18
Wick	3.10	12.15	9.19
	3.11	12.18	9.19
Valencia	4.26	12.44	9.2
	4.26	12.44	9.2

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.
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"; bc = cloud 0-5; co = cloud 6-10.

Capital letters indicate intensity, 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.	Metres per second.
0	Less than 1.	Less than 0·3
1	1- 3	0·3- 1·5
2	4- 7	1·6- 3·2
3	8-12	3·4- 5·4
4	13-18	5·5- 7·9
5	19-24	8·0-10·7
6	25-31	10·8-13·8
7	32-38	13·9-17·1
8	39-46	17·2-20·7
9	47-54	20·8-24·4
10	55-63	24·5-28·4
11	64-75	28·5-33·5
12	Above 75	33·6 or above

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

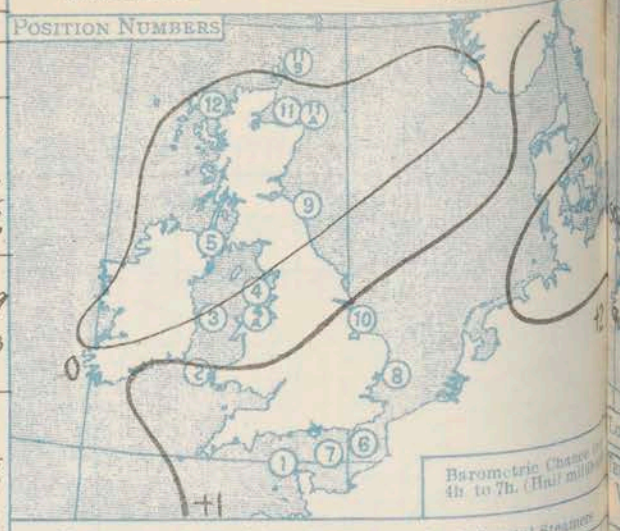
M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.–13h. 29	13h.–18h. 29	18h. 29 to 1h. 30	1h.–7h. 30	TEMPERATURE. MAX. Day. 7h.–18h.	MIN. Night. 18h.–7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.–18h.	Night. 18h.–7h.	Precipitation began.	SUN. Hours.
Lerwick	oo	oo	r	oo	48	43	•	–	1	2400	•
Stornoway	oo	oo	c	oo	54	46	•	–	–	–	0·8
Wick	oidoq	oo	oo	oo	51	44	•	trace	–	0900	•
Castlebay	oipoc	cbc	b	bc.o.b	56	47	•	–	–	–	8·1
Nairn	bc	bccg	cgr		61	46	•	–	–	–	9·6
Aberdeen	c	c	oir		57	46	46	–	–	–	2·0
Malin Head	oo	oo	c	oo	54	49	•	–	–	–	0·2
Renfrew	bnebnw	b or bc	bv. bc	bc.gif	74	45	45	–	–	–	13·9
Leith (INCHKEITH) ...	b or bc	b or bc	c		64	54	48	–	–	–	•
Eskdalemuir	b or bc	bcyby	by. bc.o	oo	69	44	44	–	–	–	11·3
Tynemouth	oo	b or bc	if	oo	57	49	•	–	–	–	•
Blacksod Point ...	b or bc	b or bc	b or bc	c	56	51	•	–	–	–	•
Donaghadee	bv	bq	omw	bm	61	50	•	–	–	–	•
Birr Castle	b or bc	b or bc	of		75	45	38	–	–	–	12·5
Baldonnell	b or bc	b or bc	b or bc	c	71	39	34	–	–	–	14·8
Holyhead	b or bc	b or bc	b or bc	bwm	64	53	49	–	trace	–	15·3
Liverpool (Bidston) ...	b or bc	b or bc	b or bc		68	47	46	–	–	–	13·3
Manchester (Alex. Pk.)	b or bc	bz	c.of		71	48	43	–	–	–	•
Howden	oo	c	c	oo	64	50	42	–	–	–	6·2
Spurn Head	oo	oo	oo	oo	59	51	•	–	–	–	•
Nottingham	c	b or bc	c		67	48	41	–	–	–	12·6
Cranwell	oo	c	c	oo	64	46	38	–	–	–	9·4
Gorleston	bbcco	oo	od.q	oq.oq.u	58	50	47	trace	trace	1100.	?
Pulham	oo	c	oo	oo	63	47	46	–	–	–	9·6
Felixstowe	b or bc	b or bc	c	oo	67	49	•	?	–	–	14·4
Valencia (Cahirciveen)	b or bc	b or bc	b or bc	b or bc	70	50	43	–	?	–	15·9
Roches Point	b or bc	b or bc	bw		68	55	•	–	0·1	–	•
Pembroke (St. Ann's H.)	b or bc	b or bc	b or bc	b or bc	70	56	•	–	–		14·6
Ross-on-Wye	bzbyz	bzbcyz	byz.cyb.	bwc.o	76	47	41	–	–	–	14·5
Benson	b or bc	b or bc	b	b.o	74	43	30	–	–	–	•
S. Farnborough ...	b or bc	b or bc	oo		75	47	42	–	–	–	14·9
London (KEW OBSY.)	obzbcy	by by	by.cu.c.b.	b.o.o	70	51	48	–	–	–	14·4
Croydon	bbccy	cybc	b or bc	oo	71	46	46	–	–	–	•
Clacton-on-Sea ...	•	b.bc	bc.c		63	50	44	–	–	–	14·8
Shoeburyness	b or bc	b or bc	bc.c	c	65	45	40	–	–	–	14·7
Grain	c	b or bc	oo		64	51	43	–	–	–	14·4
Lympne	bcbcb	b or bc	b or bc	c	63	44	41	–	–	–	15·4
Scilly (St. Mary's) ...	c	b or bc	b or bc	c	70	54	•	–	–	–	8·4
Falmouth	bcc	bbcc	b.bc	bc	68	54	46	–	–	–	8·4
Plymouth	b or bc	b or bc	b or bc	oo	64	53	46	–	–	–	8·6
Portland Bill	b or bc	b or bc	b or bc	c	62	55	•	–	–	–	•
Calshot	b or bc	b or bc	c	oo	62	51	50	–	–	–	13·1
Dungeness	b or bc	b or bc	b or bc	c	64	54	•	–	–	–	•
Jersey	ogbo	ogbo	oir.g	ogro	64	56	•	3	14	–	0·2

ISALLOBARS. 30th June.

POSITION NUMBERS



Temperature reported from Cross Channel and Coastal Steamers

Position Number.	3	6	7
Date	29th	30th	30th
Time G.M.T.	1000	0345	0338
Sea ° F.	55	57	56
Air ° F.	62	57	56

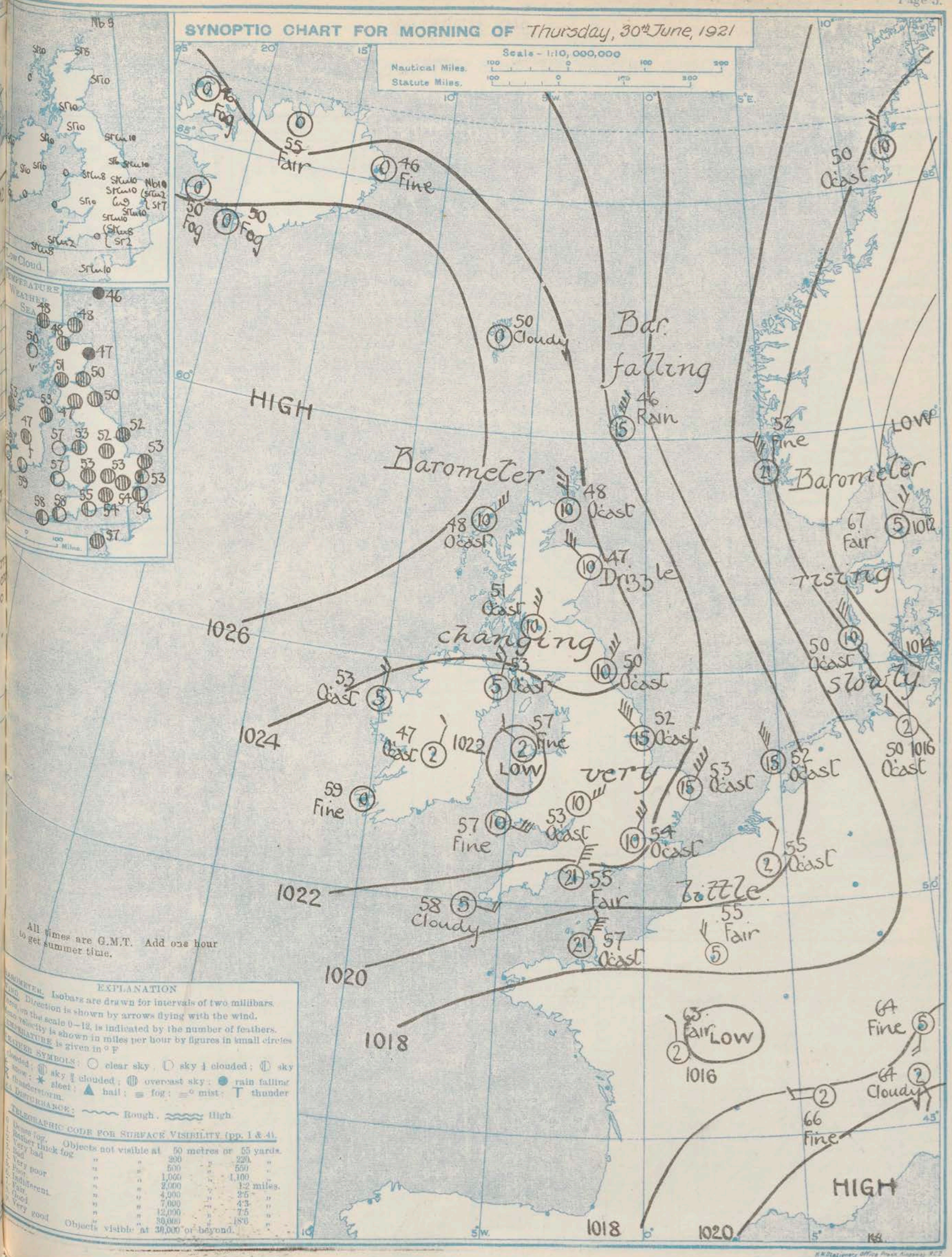
GENERAL INFERENCE.

A secondary depression near the Shetlands will probably move Southward down the North Sea. Much cloud, with slight rain locally, may therefore be expected over the most Eastern & N. Eastern parts of the Kingdom but elsewhere the anticyclone to the Southward of Iceland will maintain generally fair weather.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Thursday 30th June, 1921.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind North-East or North, light or moderate; mainly cloudy or overcast, some local drizzle on coast; visibility fair or good. Moderate or rather low temperature.	Mainly fair with North and North-East winds.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Wind East or North-East, light to moderate; fair generally. Visibility fair or good. Moderate or rather low temperature.	
9. N. Midlands 10. N.E. England 11. E. Scotland	Same as 1 - 3.	
12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides	Wind North or North-East, light; fair; visibility fair or good. Rather low temperature.	
16. Orkneys and Shetlands	Moderate or fresh Northerly winds; dull, some rain, then fair. Cool.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind Northerly, light; fair or fine; visibility fair to good; moderate to rather high temperature.	

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

SYNOPTIC CHART FOR MORNING OF Thursday, 30th June, 1921



AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION ... Thursday 30th June ... 1921. No. 181

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	Sun. 0-9
Lerwick	1025·4	+	N'W	3	cr.	45	85	7	-	Nb	10	-	10	*
Stornoway	1027·6	0	NE	3	0	+	*	6	+	+	+	+	+	*
Wick	1025·3	0	NNW	3	0	45	85	8	800	Sr	10	-	10	*
Castlebay	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	1024·4	-1	WNW	3	0	51	97	8	4000	St Cu	9	-	9	*
Renfrew	1024·1	0	NE	3	bc+	51	85	8	2500	St Cu	4	-	4	*
Leith (INCHKEITH)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	1024·5	0	NE	3	0	47	92	7	2500	St	10	-	10	*
Tynemouth	1024·4	0	NE	3	0	51	97	6	5750	St Cu	10	-	10	*
Blacksod Point	1023·8	2	NNE	4	c+	53	86	7	4000	Cu Nb	8	-	8	*
Donaghadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Baldonnell	1023·6	3	NE	1	b	46	92	8	-	-	0	A St	2	*
Holyhead	1021·4	-1	N	4	b	+	+	8	-	-	0	-	0	*
Liverpool (Bidston)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Manchester (Alex.Pk.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Howden	1023·4	0	N'E	2	0	52	92	6	2500	St	7	A St	10	*
Spurn Head	1023·1	0	N	5	c	53	75	8	7250	Cu	10	-	10	*
Nottingham	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	1023·4	0	N	3	0	51	85	7	2000	St Cu	10	-	10	*
Gorleston	1021·6	-1	N'E	4	cd.	61	97	8	4000	Nb	8	-	8	*
Pulham	1021·8	-1	N'E	2	0	62	85	8	2500	St Cu	10	-	10	*
Felixstowe	1021·5	-1	N	3	0	52	92	8	2500	St	10	-	10	*
Valencia (Cahirciveen)	1023·0	0	-	0	b	58	*	8	-	-	0	-	0	*
Roches Point	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	1021·3	0	NE	1	b	57	85	8	-	-	0	-	0	*
Ross-on-Wye	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benson	*	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	*	*	*	*	*	*	*	*	*	*	*	*	*	*
London (KEW OBSY.)	1021·4	0	-	-	-	52	*	*	*	*	*	*	*	*
Croydon	1021·9	0	ENE	3	c+	50	75	8	-	-	0	Ci St	7	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	1020·8	-1	ENE	4	c+	62	92	9	4250	St Cu	4	Ci St	7	*
Scilly (St. Mary's)	1021·1	0	-	0	b	56	97	8	-	-	0	-	0	*
Falmouth	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Plymouth	1020·8	0	-	0	b	56	85	8	-	-	0	-	0	*
Portland Bill	1021·1	0	E	4	b	58	92	8	-	-	0	Ci Cu	3	*
Calshot	1021·7	+1	NE'N	3	0	54	85	8	4000	St	10	-	10	*
Dungeness	1020·5	0	ENE	4	c	54	85	9	*	Cu Nb	7	-	7	*
Jersey (Guernsey Ih.)	1020·1	+1	ENE	4	ov	57	85	9	2500	St	10	-	10	*

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	Sun. 0-9
Lerwick	1020·7	+	NNE	4	cr.	46	86	7	+	Nb	8	-	8	*
Stornoway	1020·8	0	NE	3	0	48	75	7	4500	Sr	10	-	10	2
Wick	1024·4	0	N	3	0	48	85	8	7250	Sr	10	-	10	0
Castlebay	1024·8	0	N	4	bv	50	85	9	-	-	0	Ci	2	1
Nairn	1024·9	0	N	1	og	48	*	*	*	*	*	*	*	1
Aberdeen	1025·0	0	NW'N	3	od.	47	85	8	1500	Sr	10	-	10	0
Malin Head	1023·6	-2	NNW	2	0	51	97	8	4000	St Cu	10	-	10	1
Renfrew	1024·4	0	NE	3	0	51	92	7	1500	Sr	10	-	10	*
Leith (INCHKEITH)	1024·6	+1	SE	2	ov	50	75	9	-	Sr Cu	10	-	10	1
Eskdalemuir	1024·5	0	ENE	2	0	47	85	8	2500	Sr	10	-	10	*
Tynemouth	1024·4	0	NE	3	0	50	97	8	5750	Sr Cu	10	-	10	2
Blacksod Point	1023·9	-1	NNE	2	0	52	85	7	800	Sr	10	-	10	0
Donaghadee	1023·1	+1	NNE	2	0	53	85	8	4000	Sr	10	-	10	1
Birr Castle	1023·7	*	NE	1	ffo	47	97	1	450	Sr	10	-	10	*
Baldonnell	1023·3	0	-	0	0	51	85	8	1500	Sr	10	-	10	*
Holyhead	1021·7	0	WNW	1	b	57	97	7	-	-	0	-	0	0
Liverpool (Bidston)	1022·7	0	SE	3	c+	53	75	6	2500	Cu	1	Ci Cu	8	2
Manchester (Alex.Pk.)	1023·6	0	E	2	c+	55	75	6	4000	St Cu	8	-	8	*
Howden	1023·7	+1	NNE	2	0	51	85	8	2500	Sr	6	A St	10	2
Spurn Head	1023·4	0	NW	4	0	52	75	8	7250	St Cu	10	-	10	*
Nottingham	1023·7	*	E	2	0	52	85	5	2500	St Cu	10	-	10	*
Cranwell	1023·7	+1	NE'N	3	ov	52	65	9	2500	St Cu	10	-	10	2
Gorleston	1021·5	-1	NE	4	o/r	53	92	8	4000	Nb	10	-	10	*
Pulham	1022·2	0	NNE	2	0	53	85	8	4000	St Cu	10	-	10	2
Felixstowe	1022·2	0	N	3	c-	54	75	8	2500	St	9	-	9	0
Valencia (Cahirciveen)	1022·5	0	NW	0	bv	59	85	9	-	-	0	-	0	1
Roches Point	1023·7	+1	Sud	1	bc	59	92	7	-	-	0	A Cu	4	2
Pembroke (St. Ann's H.)	1022·1	+1	ESE	3	bv	59	92	8	-	-	0	A Cu	3	2
Ross-on-Wye	1023·2	+1	ENE	3	0	53	75	8	2500	St	10	-	10	*
Benson	1022·5	+1	NNE	2	0	53	75	8	+	Cu	9	-	9	*
S. Farnborough	1022·5	0	NE	2	0	54	75	8	2500	St Cu	10	-	10	*
London (KEW OBSY.)	1022·7	0	NE	3	0	54	85	8	2500	St Cu	10	-	10	*
Croydon	1022·4	0	ENE	3	0	52	75	8	2500	St Cu	10	-	10	*
Clacton-on-Sea	1021·9	0	N	4	c+	53	85	7	2500	Cu Nb	5	A St	4	0
Shoeburyness	1022·0	0	NE	2	c-	54	75	8	4000	St Cu	9	-	9	*
Grain	1022·2	0	N'E	3	ov	54	85	9	4000	St Cu	10	-	10	0
Lympne	1021·7	+1	NE'N	3	0	53	85	8	1500	Sr	10	-	10	*
Scilly (St. Mary's)	1021·3	0	E'S	2	c+	58	92	8	2500	St Cu	8	-	8	2
Falmouth	1021·6	+1	E	4	bc	58	85	8	+	St Cu	2	A Cu	6	*
Plymouth	1021·1	0	ENE	1	o-	58	75	7	800	St Cu	10	-	10	0
Portland Bill	1021·9	+2	NE	5	bc+	55	92	8	-	-	0	A Cu	4	*
Calshot	1022·0	+1	NE'N	4	0	55	75	8	2000	St Cu	10	-	10	0
Dungeness	1021·4	+1	ENE	4	cv	56	75	9	7250	Cu Nb	8	-	8	4
Jersey (Guernsey Ih.)	1019·5	0	NE	5	o/r	54	85	8	2500	St Cu	10	-	10	3

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR Wed. 29 June

STATIONS.*	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day °F.	Temperature. Min. Night °F.	Rainfall.† Night 17h.-9h. 28-29 mm.	Rainfall.† Day 9h.-17h. 29 mm.	Sunshine. Sunrise to 17h. 29 hr.	Sunshine. Sunrise to Sunset. 29 hr.
Banff	o	o	53	49	-	-	0·1	9·5
Montrose	b	bc	63	45	-	-	12·0	15·5
Llandudno	b	b	68	47	-	-	12·2	15·3
Colwyn Bay	b	b	68	47	-	-	12·2	14·3
Rhyl	b	b	67	45	-	-	12·0	14·3
Southport	b	b	69	48	-	-	12·0	14·7
Blackpool	b	bc	68	49	-	-	12·6	15·1
Harrogate	c	b	73	39	-	-	5·1	14·4
Skegness	v o bc	bc ov	59	43	-	-	3·6	12·7
Aberystwyth	c b b	b	70	51	-	-	12·5	15·5
Bath	b	b	76	45	-	-	11·9	12·5
Leamington Spa	b	b	71	55	-	-	12·2	15·3
Lowestoft	g c o	g c o	58	45	-	-	1·3	10·7
Felixstowe	bc	bc	64	45	-	-	12·1	10·6
Southend	b	bc b	70	47	-	-	11·7	13·3

STATIONS.*	Weather. Fore-noon.	Weather. After-noon.	Temperature. Max. Day. °F.	Temperature. Min. Night. °F.	Rainfall.† Night 17h.-9h. 28-29 mm.	Rainfall.† Day 9h.-12h. 29 mm.	Sunshine. Sunrise to 17h. 29 hr.	Sunshine. Sunrise to Sunset. 29 hr.
Paignton	bc b	b	69	56	-	-	11·7	7·4
Ilfracombe	b	b	68	55	-	-	12·2	11·4
Bude	b	b	75	50	-	-	12·4	11·9
Penzance	bc	b	71	57	-	-	7·0	5·0
Torquay	by	b	68	57	-	-	12·4	11·0
Weymouth	bc	c	72	51	-	-	10·4	13·8
Bournemouth	b	b	73	46	-	-	12·3	14·6
Portsmouth (S'thesea)	b	b	73	51	-	-	12·8	15·3
Worthing	b bc	b	72	49	-	-	12·4	14·7
Brighton	b bc	bc	73	49	-	-	11·8	14·7
Eastbourne	bc	bc	63	48	-	-	12·2	14·7
Hastings	b	b bc. b	66	46	-	-	12·3	14·9
Folkestone	bc	bc	69	50	-	-	11·8	14·5
Tunbridge Wells	b	b	70	45	-	-	12·1	13·7
Ramsgate	b	b	61	46	-	-	10·9	13·3
Margate	b bc b	b	62	52	-	-	10·0	14·3
Deal	bc b	b	65	43	-	-	11·4	14·0

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. CORRECTIONS AND ADDITIONS, JUNE, 1921.

I.—CORRECTIONS.

Report for	STATION.	CORRECTION.
1st	Renfrew	13h. Wind WSW. Cloud Amt. 9.
	Shoeburyness	13h. Cloud Amt. 4.
	Howden	18h. Clouds: 4000 St.Cu.4. A.St.8
	Cranwell	18h. Cloud Ht. 4000.
	Roches Pt.	18h. bar. change: +5.
	Falmouth	18h. bar. 1016.3.
	Calshot	18h. Temp. 55.
	Blacksod Pt.	Rainfall night: –
	Baldonnell	Min. on Grass: 32. Sun. 5.3.
	Felixstowe	Max. 67. Min. 41.
	Lympne	Sunshine: 4.9.
	Plymouth	Rainfall day: –
	Calshot	" " : tr. night: 0.4. 1730
	Baldonnell	7h. Weather bc. Cloud Amt. 6.
	Cranwell	7h. bar. 1023.0. wind NNW 3.
	"	7h. weather 0. temp. 49.
	Calshot	7h. temp. 49.
	Ilfracombe	Rainfall night 4. Sun. 31st. 9.8.
	Bude	" " 3.
	Portsmouth	Sunshine 30th. 5.1.
	Deal	" 31st. 8.0.
2nd	Howden	13h. temp. 67.
	Spurn Hd.	13h. temp. 52.
	Baldonnell	18h. visibility 9.
	Croydon	18h. bar. change: +1.
	Nairn	Sun. 7.6.
	Blacksod. Pt.	Rainfall night: –
	Manchester.	Min. 36.
	Howden.	Max. 65.
	Spurn Hd.	Past weather 1h.-7h: bfb.
	"	Max. 60.
	Roches Pt.	Max. 60.
	S. Farnborough	Sun. 9.9.
	Clacton.	Min. 49.
	Renfrew.	7h. Cloud: A. Cu.
	Baldonnell	7h. Bar. change: +1.
	Spurn Head.	7h. Temp. 75.
	Ilfracombe	Sun. 31st 11.2.
	Penzance	" " 9.2
	Weymouth	" " 5.9.
3rd	Renfrew	13h. Low Cloud: St. Cu. 3.
	"	18h. wind force 2.
	Holyhead.	18h. temp. 57.
	Felixstowe	18h. Sea. 2.
	Howden	Max. 67.
	Nottingham.	Min. 47.
	Lympne	1h. Cloud. Ci.St.3.
4th	Renfrew	13h. bar. 1030.4. Wind. NNE. 3.
	Blacksod Pt.	13h. temp. 52.
	Manchester.	13h. bar. 1028.4.
	Spurn Head.	13h. temp. 56.
	Calshot.	13h. bar change: –2: wind. N'E
	Howden	18h. bar. change: –2: wind force 4
	Cranwell.	18h. bar change: –2: vis. 9.
	"	18h. clouds. 5000: St: 1: Ci.St: 4:
	Calshot	18h. bar. change –2. wind force 4.
	"	18h. humidity 75. cloud. St. 1.
	Castlebay.	Max. 60.
	Renfrew.	Past Weather 18h.-1h: bc: 1h.-7h bbc
	"	Sun. 15.1.
	Spurn Head.	Rainfall night 0.1.
	Gorleston	Min. 54. Grass Min. 52.
	"	Rainfall night. 1. Sun. 3.0.
	Croydon.	Max. 67.
	Calshot.	Rainfall day. 0.5. Sun. 2.2.
	Gorleston.	7h. temp. 56. Sea. 4.
5th	Croydon.	7h. humidity 92. vis. 7.
	Cranwell	13h. bar. change. 0.
	Felixstowe	13h. temp. 65.
	Pembroke.	13h. bar. 1021.7. wind NE.
	Grain	13h. wind. N.W.
	Portland Bill.	13h. temp. 60.
	Cranwell.	18h. cloud. Nb. 10.
	Felixstowe	18h. clouds: St. 1. A. Cu. 7.
	Grain.	18h. wind. NW.
	Lympne.	18h. humidity 92: clouds: St. 7.
	Cranwell	7h. bar. 1021.8.
	Gorleston	7h. wind force 6.
	Felixstowe	7h. bar. 1018.5.
	Grain	7h. wind. N'W.
	Calshot	7h. clouds. Ci. 7.
6th	Nottingham	13h. temp. 61.
6th	Shoeburyness.	13h. wind. NNW.
	Baldonnell	18h. cloud ht. 2500.
	Renfrew	Min. 43: Grass Min. 29.
	Gorleston	Grass Min. 50
	S. Farnboro'	Max. 66.
	Renfrew	1h. humidity 92.
	Baldonnell	7h. bar. change. 0.
	S. Farnborough	7h. bar. 1019.7.
7th	Blacksod Pt.	13h. Temp. 63.
	Howden	18h. Wind NE'E.
	Felixstowe	18h. bar. 1020.4.
	Calshot	18h. bar. change: +1. Humidity 55.
	Castlebay	Sun. 13.7.
	Blacksod Pt.	Rain. day: –.
	Jersey	Sun. 3.3.
	Castlebay	7h. temp. 56.
	Blacksod Pt.	7h. bar. ?
	Jersey	7h. temp. 61.
8th	Manchester	13h. Wind. E.
	Howden.	13h. Temp. 67.
	Roches Pt.	13h. Temp. 60.
	Calshot.	13h. Temp. 72.
	Jersey.	18h. Wind. ENE. 3.
	Castlebay	Sun. 11.6.
	Tynemouth.	Rain. night: –.
	Blacksod Pt.	" day: 4.
	Donaghadee	Min. 53. Rain. day. 2.
	Manchester	Max. 75.
	Felixstowe	Sun. 14.7.
	Lympne	Max. 66. Min. 49.
	Howden.	1h. Humidity 97.
	Felixstowe	1h. bar. 1014.7. wind. NNE.
	Nairn	7h. temp. 53.
	Roches Pt.	7h. temp. 56.
	Pembroke.	7h. wind. NW.
	Scilly	7h. Sea 4.
	Calshot.	7h. sea 0.
9th	Renfrew	13h. weather 0. vis. 7.
	Calshot	13h. total cloud amt. 9.
	Leith	18h. bar. 1010.5.
	Calshot	18h. bar. change: +2.
	Jersey	18h. wind WNW.
	Aberdeen	Rain. day: 4.
	Renfrew.	Past weather. 7h. –13h. pd.
	Spurn Head	Rainfall day: 0.1. night: 0.1.
	Felixstowe	Sun. 6.5.
	Shoeburyness	Max. 74. Min. 49.
	Grain	Rain. night. 0.1.
	Calshot	Min. on Grass. 50 Rain. day. Trace
	Lympne	1h. Humidity 86.
	Lowestoft	Sun. 7th. 12.5.
10th	Renfrew.	13h. Humidity 75.
	Valencia	18h. Cloud Ht. 450.
	Croydon.	18h. High cloud. Ci. Cu.
	Castlebay	Max 52. Min. 49.
	Renfrew.	Rain. night: –.
	Blacksod. Pt.	Max. 53.
	Birr Castle	Sun. 2.7.
	Felixstowe	Sun. 3.7.
	Lympne	Past Weather. 13h.-18h. o. 18h.-1h. ocbcb
	"	Sun. 9.3.
	Cranwell.	1h. cloud. St. 9.
	Wick	7h. bar. 1010.4.
11th	Renfrew	13h. bar. change: +2 cloud. Cu. 2: A. St: 6.
	Calshot.	13h. wind. NW'N.
	"	18h. cloud. Ci. St. 4.
	Manchester	Min. on Grass. 37.
	Spurn. Head	Max. 58.
	Renfrew	1h. weather 0 pr.
	Lympne	1h. temp. 54.
	"	7h. cloud: St. 5.
12th	Cranwell	13h. humidity 55.
	Calshot	13h. Wind force. 4.
	Castlebay	18h. bar. change: –4. wind WNW
	Lerwick	Rain. day. 0.6.
	Blacksod Pt.	" " S. night 0.4.
	Nottingham	Min. 41.
	Gorleston	Min. 41.
	Howden	1h. Bar. 1022.5
	Felixstowe	1h. cloud amt. 0. delete A.St.
13th	Castlebay	13h. bar. change: +4.
	Calshot.	13h. wind. SW'S.
	Lympne	18h. " SW'S.
13th	Lerwick	Max. 53. Min. 46.
	Castlebay.	Sun. 0.1.
	Birr Castle	Rain. day: 0.5. night: 2.
	Holyhead	Sun. 3.5.
	Spurn Hd.	Min. 53.
	Lympne	1h. bar. change: –1.
	Felixstowe	7h. total cloud amt. 10.
14th	Blacksod Pt.	13h. temp. 59.
	Baldonnell	13h. humidity 65.
	Cranwell	13h. temp. 60.
	Lerwick	Rainfall night: 7.
	Blacksod Pt.	" day: 0.3. night: –.
	Valencia	Max. 59.
	Grain.	Min. on Grass. 41.
	Plymouth.	Max. 66. Min. 47. Grass Min. 38.
	Wick.	1h. bar. 1018.7 Sun. 8.7
	Leith	7h. bar. 1022.1.
	Gorleston	7h. bar 1025.1
	Lympne	7h. temp. 52.
15th	Greenwich	Sun. 0.7.
	Plymouth.	Max. 68. Min. 51. Grass Min. 44.
	Roches Pt.	7h. temp. 60.
	Portland Bill	7h. wind. NW.
	Leamington	Min. 46.
	Lowestoft	Sun. 14th. 2.7.
16th	Baldonnell	13h. bar. 1030.8: change: –1. wind NNE 2: weather b. temp. 70. hum. 55 cloud. ht. 5750.
	Hourden.	13h. humidity 68. cloud. St. Cu. 9.
	Pembroke	13h. bar. 1028.7
	Croydon	13h. wind force 3. cloud. Cu. 6.
	Tynemouth.	18h. wind ESE.
	Stornoway	Sun. 10.3.
	Lympne	Sun. 12.5.
	Portland Bill	Max. 68. Min. 56.
	Wick.	7h. bar. 1028.6.
	Birr Castle	7h. temp. 55.
	Holyhead.	7h. bar. 1030.5.
	Calshot.	7h. temp. 62.
17th	Spurn Head	13h. wind NE.
	Roches Point.	13h. vis. 8.
	Calshot	13h. bar. 1029.9. wind. E. hum. 65.
	Howden.	18h. wind. ENE.
	Cranwell.	18h. bar. 1028.9.
	Lerwick	Max. 51.
	Stornoway.	Sun. 13.2.
	Holyhead.	Max. 58.
	Pembroke	Max. 68.
	Baldonnell	1h. temp. 54.
18th	Calshot	13h. temp. 69.
	Blacksod Pt.	18h. bar. 1029.1.
	Donaghadee	18h. wind N.
	Nairn	Rain: –.
	Birr Castle	Min. 50. Grass Min. 47.
	Baldonnell	Weather 7h.-13h. c. Sun. 8.5.
	Manchester	Min. 49.
	Gorleston	Rain. night: 7.
	Felixstowe	Sun. 13.9.
	Croydon	Min. 55.
	Holyhead.	7h. bar. 1026.4.
	Howden.	7h. temp. 51.
	Grain	7h. wind. NE'N.
	Folkestone	Sun. 17th. 2.0
19th	Donaghadee	13h. Wind. ESE.
	Croydon.	13h. Change: –2.
	Nairn.	18h. temp. 56.
	Holyhead	18h. bar. change: –1.
	Roches Pt.	18h. humidity 92.
	Croydon.	18h. bar. change: –1. weather bc –
	"	Hum 65 clouds: Cu: 2. A. Cu: 5. Vis. 9
	Greenwich	Min. on grass. 22.
	Holyhead	Past Weather. 1h.-7h. ocbc.
	Howden.	Max. 60.
	Calshot	Past Weather 13h.-18h. c.
	Jersey	Sun. 6.3.
	Calshot	1h. weather bc. cloud: St. Cu. 5. –15.
	Felixstowe	7h. wind NW'W.
20th	Croydon.	13h. cloud ht. 2500.
	Grain.	13h. temp. 57.
	Plymouth.	18h. bar. 1020.5.
	Calshot	18h. wind force. 3.
	Castlebay	Rainfall night. 0.3.

‡ The barometric change is expressed in half millibars.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. CORRECTIONS AND ADDITIONS, JUNE 1921.

I.—CORRECTIONS.

Report for	STATION.	CORRECTION.
20th	Aberdeen	Max. 57. Min. 49.
	Blacksod Pt.	Rain. day. 0·2.
	Gorleston	Min. 49.
	Ross-on-Wye	Rainfall Precipitation began 0530
	S Farnborough.	Rainfall night: 0·5.
	Plymouth	1h. humidity 92. vis. 9.
	Wick	7h. clouds:-450: St:10.-:10'.
	Holyhead.	7h. clouds. St. 10 Sea. 4.
	S. Farnborough.	7h. bar. 1017·7.
	Croydon.	7h. cloud. ht. 450
21st	Blacksod	13h. Weather c/f.
	Valencia	13h. temp. 58.
	Stornoway	18h. temp. 46.
	Lerwick.	Max. 46. Min. 37. Rain. night. 0·1
	Donaghadee	Max. 60.
	Baldonnell	Min. on Grass 51. Sun. 2·8
	Spurn Head.	Rain. night. 0·1.
	Croydon	1h. hovr. cloud. St. 7.
	Lympne	1h. Humidity 84. Vis. 7.
	Calshot	1h. bar. 1019·9.
	Tynemouth	7h. wind NNW.
	Felixstowe	7h. wind NW.
	Calshot	7h. Humidity 85. Vis. 8.
	Harrogate	Sun. 21st. 0·1.
	Lowestoft.	Min. 48.
22nd	Renfrew	13h. vis. 8.
	Croydon	13h. Weather 0.
	Howden	18h. Temp. 55.
	Valencia	18h. Vis. 9.
	Croydon	18h. wind force 2.
	Calshot	18h. wind force 4.
	Renfrew	Min. 50.
	Blacksod Pt.	Rainfall day: 0·1. night: -.
	Baldonnell	Min. 50.
	Howden	Sun. 5·8.
	Valencia.	Sun. 12·9.
	Howden	7h. clouds: St. Cu 6. ACu: 9:
	Harrogate	Sun 20th 0·1.
23rd	Lerwick.	13h. wind. SE.
	Roches Pt.	13h. bar. change: 0.
	Calshot	18h. wind. NW'W. weather: b-.
	Lerwick	Rainfall day: 0·2. night: 2.
	Howden	Max 63. Rain. day: -.
	Gorleston.	Rainfall day: 1.
	Roches Pt.	Past Weather 7h.-13h. 0.
	Lerwick	1h. Wind WSW.
	Lympne	1h. Bar. 1023·6.
	Plymouth	1h. Bar. 1025·0.
24th	Stornoway	13h. Vis. 8.
	Croydon	13h. Hum. 55.
	Calshot	13h. bar. 1023·6.
	Spurn Hd.	18h. wind force 4.
	London (Kew)	18h. Weather by.
	Croydon.	18h. " b.
	Blacksod Pt.	Rain. day: -.
	Holyhead	1h. Cloud. St: 9.-:9.
	Spurn Hd.	7h. Hum. 92.
	Calshot	7h. Hum. 75. vis. 7.
25th	Renfrew	13h. Hum. 75.
	Nairn	18h. temp. 70.
	Holyhead	18h. weather. 0. cloud. Ci. 10.
	Spurn Head.	18h. bar. 1025·3. wind. E.
	Lerwick.	Max. 53.
	Leith	7h. temp. 59.
	Donaghadee	7h. bar. 1017·9.
	Calshot	7h. bar. change: -2.
26th	"	13h. wind ESE.
	Baldonnell	18h. bar. 1013·8. wind. NE.
	Felixstowe	18h. Cloud: Ci. Cu.
	Croydon.	18h. total cloud amt. 9.
	Lerwick	Rain day. 0·5.
	Blacksod Pt.	Max. 64. Min. 56 Rain day: 8. " night. 1.
	Gorleston	Max. 62.
	Felixstowe	Sun. 13·0.
	Por Hand Bill	Rain night: 1.
	Calshot	Past Weather 13h.-18h. c.
	"	Rain day: -. Prec. began: -.
	Felixstowe	1h. total cloud amt. 6.
	Ross-on-Wye	1h. temp. 61.
27th	Benson	13h. temp. 69.
	Stornoway	18h. temp. 53
	Nairn	18h. bar. 1020·3.
	Renfrew	18h. weather. b.
	Ross-on-Wye	18h. bar. 1013·9. temp. 74.
	Tynemouth	Min. 48.
	Blacksod Pt.	Rain day: -.
	Birr Castle	Max. 75.
	Holyhead	Min. 53. Sun. 8·3.
	Gorleston	Max. 72. Rain day: -.
	Pembroke	Max. 65.
	Croydon.	Past Weather 18h.-1h. oi m ff ido
	"	" " 1h.-7h. oi m im.
	Calshot	" " 13h.-18h. oi if c.
	"	Rainfall day: trace. began: 0900
	Renfrew	1h. Hum. 88.
	Croydon.	1h. Wind force. 3.
	Baldonnell	7h. Bar. 1021·9.
28th	Clacton	18h. Wind ENE.
	Baldonnell	Min. on Grass. 46. Sun. 11·2.
	Holyhead	Max. 63. Min. 49.
	Howden.	Min. 34.
	Pembroke.	Sun. 0·2.
	London (Kew)	Min. 46.
	Portland Bill	Min. 55.
	Renfrew	7h. Wind. W.
	Lowestoft	Sun. 26th. 5·2.
29th	Blacksod Pt.	18h. Bar. 1026·7.
	Gorleston	18h. Bar. 1026·1.
	Valencia	Past Weather 18h.-1h. b w bc.
	Lympne	1h. Bar. 1023·2.
	London (Kew)	7h. Vis. 8.
	Calshot.	7h. Hum. 65. Vis. 8.
	Colwyn Bay	Sun. 28th 12·0.
30th	Grain	13h. bar. change. -1.
	Felixstowe	18h. Cloud. delete Ci. total. 1.
	Lerwick	Rain night: 0·1.
	Leith	Min. 50.
	Valencia.	Rain night: -.
	Grain	Past Weather 7h.-13h. b w b c
	Portland Bill	Max. 65.
	Calshot	Sun. 13·1.
	Stornoway	7h. bar. 1025·8.
	S. Farnboro'.	7h. wind force 2.

‡ The barometric change is expressed in half millibars.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. CORRECTIONS AND ADDITIONS, JUNE, 1921.

II.—ADDITIONS.

Report for	STATION.	Barom. at M.S.L. m.b.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9	Summaries for the past 24 hours. Weather. 7h.-13h.	Weather. 13h.-18h.	Weather. 18h.-1h.	Weather. 1h.-7h.	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.	Sun. Hours.
1st	Malin Head 13h.	1005.6	+1.0	NW	3	c	49	97	7	4000	Cu.Nb	6	A.Cu	8	*	p										
	" " 18h.	1012.5	+8	NW	5	o/r	48	97	7	4000	Nb	10	-	10	S		rord									
	" " 1h.	1020.2	+8	WNW	3	o	48	97	7	4000	Cu.Nb	10	-	10	*			p								
2nd	" " 7h.	1024.9	+5	W	2	o	48	85	9	7250	St.Cu	7	A.Cu	9	1				c	50	46	*	2	0.6	-	0.9
	" " 13h.	1027.5	+2	W	2	bc	54	85	9	-	-	-	Ci	4	*											
	" " 18h.	1028.6	+1	W	2	o	52	97	8	-	-	-	A.St	9	0	borbc										
	" " 1h.	1028.9	0	SSW	2	c+	50	97	8	-	-	0	A.St	7	*		c									
3rd	" " 7h.	1029.8	0	SSW	2	c+	50	97	8	-	-	0	A.St.	8	0			bmbc								
	" " 13h.	1031.1	+1	W	2	c	54	97	8	-	-	0	A.St	7	*	c										
	" " 18h.	1031.3	0	W	2	b	55	97	8	-	-	0	Ci.St.	2	1		bmbc									
	" " 1h.	1032.6	0	-	0	b	49	97	8	-	-	0	-	0	A											
	" " 7h.	1031.5	0	SW	1	c+	51	97	7	5750	St.Cu	8	-	8	1			bmbc								
4th	Birr Castle 7h.	1031.1	*	W	1	b	51	97	7	-	-	0	Ci.Cu	1	*				bmbc	56	48	*	-	-	-	6.6
	Malin Head 13h.	1031.0	0	NE	1	c+	53	97	8	-	-	0	A.Cu	6	*			bc	bm		42	34		-	-	13.2
	" " 18h.	1030.2	-1	NE	2	o	53	97	8	450	St	10	-	10	1	borbc										
	" " 1h.	1028.8	0	-	0	ffo	49	97	1	450	St	10	-	10	*		c									
	" " 7h.	1027.6	-1	-	0	ffo	49	97	1	450	St	10	-	10	0			FFe								
	Baldonnell 18h.	1028.2	-2	NE'E	1	ffb	65	65	7	-	-	0	Ci.St	2	*				FFe	53	47	*	-	0.3	-	6.5
5th	" 1h.	1027.6	-1	E'S	1	b	48	85	7	-	-	0	-	0	*		bmbc			66			-			
	Malin Head 1h.	1025.2	0	NW	1	ffo	51	97	1	450	St	10	-	10	*			FF	FF	55	48	*		0.1	-	4.9
6th	" " 7h.	1024.8	0	N	1	fb-	49	97	1	450	St	10	-	10	0											
	" " 13h.	1025.4	+1	NE	1	c-	55	97	1	450	St	8	-	8	0	FF	FF									
	" " 18h.	1024.9	0	NE	1	bv	59	85	9	-	-	0	Ci	1	0			cv								
	" " 1h.	1025.9	0	SE	2	o+	51	85	8	7200	St.Cu	10	-	10	*				bmbc	59	54	*	-	-	-	9.3
	" " 7h.	1025.7	0	ESE	3	b	55	85	8	-	-	0	-	0	0											
	" " 13h.	1025.7	0	E	2	bv	56	92	9	-	-	0	-	0	*	bv										
	" " 18h.	1025.0	0	NE	2	b	56	92	8	-	-	0	-	0	1		bv									
	" " 1h.	1022.9	-1	-	0	b	54	85	8	-	-	0	-	0	*			bmbc								
8th	" " 7h.	1021.1	-1	S	2	b	58	85	7	-	-	0	-	0	1				bmbc	58	52	*	-	-	-	14.9
	" " 13h.	1018.0	-4	ESE	1	b	62	85	7	-	-	0	-	0	*	borbc										
	" " 18h.	1014.6	-4	SW	1	fo	62	75	7	-	-	0	Ci.St	10	0		bmc									
	" " 1h.	1013.6	0	SW	1	o	56	97	7	-	-	0	Ci.St	10	*			bmc								
	" " 7h.	1011.4	-1	W	2	opr.	52	97	7	4000	Cu.Nb	8	Ci.St	10	0				b	65	52	*	-	0.5	6.30	11.7
9th	" " 13h.	1013.3	+2	NW	3	bc-	54	97	8	-	-	0	A.Cu	6	*	c										
	" " 18h.	1016.5	+6	NW	4	b-	52	97	8	4000	Cu	3	-	3	3		bo									
	" " 1h.	1018.4	0	WSW	4	o	52	97	8	5750	St.Cu	10	-	10	*			c								
	" " 7h.	1015.6	-4	SSW	3	or.r.	50	97	8	5750	St.Cu	10	-	10	3				ro	55	49	*	0.2	0.2	-	7.2
10th	" " 13h.	1009.5	-8	SSW	5	or.r.	53	92	7	450	St	10	-	10	*	ro ro										
	Calshot 13h.	1011.4	0	NW'N	3	o	64	60	9	4000	Cu	2	A.Cu	10	*	wccc										
	Malin Head 18h.	1008.1	+5	WSW	6	opr.	52	92	6	450	St	10	-	10	6		oq									
	" " 1h.	1014.8	+8	W	6	opr.	51	97	6	450	St	10	-	10	*			omq								
	" " 7h.	1018.0	+3	NW	4	o-	50	97	8	5750	St.Cu	9	-	9	4				omq	54	49	*	-	0.3	-	0.3
11th	" " 13h.	1018.4	0	W	3	c-	54	92	7	7250	St.Cu	2	Ci.St	6	*	c										
	" " 18h.	1014.9	-8	SW	3	o+	51	97	7	5750	St.Cu	10	-	10	3		oo									
	" " 1h.	1011.3	-4	WNW	6	o	51	97	8	5750	St.Cu	10	-	10	*			ome								
	" " 7h.	1015.9	+4	WNW	4	c+	50	97	8	5750	St.Cu	4	Ci.St	7	5				p	55	49	*	-	0.2	-	5.1
12th	" " 13h.	1019.9	+4	NW	4	c	50	97	8	5750	St.Cu	3	Ci.St	6	*	p										
	" " 18h.	1022.0	+6	WNW	3	c+	51	97	8	4000	Nb	8	-	8	4		borbc									
	" " 1h.	1021.2	-2	WSW	3	o+	49	97	8	5750	St.Cu	10	-	10	*			c								
	" " 7h.	1016.2	-6	SSW	4	o/r	47	97	8	5750	St.Cu	10	-	10	5				iR	52	46	*	0.6	4	-	10.0
13th	Malin Head 12th-13h.	1015.6	-0	WSW	4	o/r	54	97	7	450	St.	10	-	10	*	miR										
	" " 18h.	1016.9	+1	W	4	ro	52	97	6	4000	Nb	10	-	10	4		ro									
	" " 13th 1h.	1018.4	+2	W	4	o	51	92	6	4000	Nb	10	-	10	*			ro								
	" " 13th 7h.	1020.6	+2	WNW	3	c-	51	92	7	4000	Nb	8	-	8	-				p	54	49	*	1	1	*	0.0
14th	Liverpool " "	1020.2	-1	W	5	o+	53	85	7	800	Nb	10	-	10	6			o.o		60	52	50	1	-	9.0	0.4
	Malin Head 13th-13h.	1023.0	+2	WNW	3	c	53	97	8	4000	Nb	4	A.Cu	7	*											
	" " " 18h.	1022.6	0	SW	2	o+	54	92	8	5750	St.Cu	10	-	10	1											
	" " 14th 1h.																									
	" " " 7h.																									
15th	Liverpool " 7h.	1026.3	0	WNW	3	ov	55	85	9	1500	St.	10	-	10	3			c		59	52	47	-	-	-	5.6
	Liverpool " "	1027.4	+1	WNW	3	o	59	75	7	2500	St.Cu	10	-	10	*	oo										
	" " 18h.	1027.4	0	WNW	2	b+	58	85	8	-	-	-	Ci.St	3	3		form						-			
	Malin Head 15th-1h.	1028.9	0	WNW	2	ov	68	65	9	2500	St.Cu	9	-	9	*		c			69			-			
	Blacksod 15th-1h.	1030.5	0	WSW	2	fo+	52	97	1	225	St	10	-	10	*			FFe								
	Malin Head 15th-7h.	1030.7	0	-	0	fo+	51	97	1	450	St.	10	-	10				form								
	Blacksod 15th-7h.	1030.7	+2	W	2	fo+	52	97	1	4150	St.	10	-	10	1				FFe and off	54	50	*	-		-	0.1
16th	Liverpool " "	1030.9	0	N	1	ffo	51	97	1	450	St.	10	-	10	0					60	49	*		0.2		
	Malin Head 15th-13h.	1029.4	+1	NW'W	3	o	56	85	7	1500	St.	10	-	10	4			c		61	52	46	-	-	-	3.3
	Liverpool " "	1031.5	+2	W	2	fo+	55	92	2	4150	St.	10	-	10	*	f.f										
	Malin Head 15th-18h.	1029.7	0	NW'W	2	b	63	65	8	4000	St.Cu	1	Ci	2	*	borbc										
	" " 16th-1h.	1031.9	0	NE	1	fb-	54	97	2	-	-	-		0	1		form						—			
	" " 16th-7h.	1031.6	0	-	0	b+	52	92	8	-	-	-	Ci.St	2	*			borbc								
17th	" " 16th-13h.	1030.7	0	ESE	1	fb-	55	92	2	-	-	-	Ci	1	/				borbc	57	50	*		-	-	6.0
	" " 16th-18h.	1030.0	0	ESE	1	bcv	60	85	9	-	-	-	Ci	4	*	form										
	" " 17th-1h.	1028.7	-2	E	1	c+	63	85	9	-	-	-	A.Cu	8	1		borbc						—			
	Liverpool 16th-18h.	1028.8	0	WNW	2	fo+	56	92	3	225	St.	10	-	10	1		borbc						-			
	Malin " 17th-1h.	1028.2	0	W	1	o	56	97	9	4000	St.Cu	10	-	10	*			c								
	" " 7h.	1027.9	-1	WNW	3	o	53	97	6	4000	St.Cu	10	-	10	1				o.o	63	53	*	-	-	-	9.9
18th	Liverpool " "	1028.0	-1	-	0	fo+	53	92	1	4150	St.	10	-	10	1			form		64	52	53	-	-	-	11.3
	Malin Head 17th-13h.	1028.6	+1	NW	3	o	55	97	7	225	St.Cu	10	-	10	*	if.oo										
	" " 18h.	1028.2	0	NW	3	o	54	97	7	450	St.	10	-	10	1		if.oo						-			
	Liverpool 17th-13h.	1028.2	-2	WNW	2	b-	64	85	7	-	-	-	Ci	2	*	c										
	" " 18h.	1026.1	-1	NW'W	4	bv	60	75	9	-	-	-	Ci.St	3	4		borbc						-			
	Baldonnel " "	1027.3	0	NNW	3	o	66	65	8	4000	Cu	8	-	8	*		-									
	Malin Head 18th-1h.	1029.0	0	N	2	o	50	97	7	-	-	-	ast	7	*			oim								
19th	" " " 7h.	1028.0	-2	ENE	2	o-	51	97	8	4000	St.Cu	9	-	9	1				c	58	48	*	-	-	-	0.0
	" " 18h. 13h.	1028.0	0	ENE	2	bc-	56	85	8	4000	Cu	1	Ci.Cu	5	*	bc										

‡ The barometric change is expressed in half millibars.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION. CORRECTIONS AND ADDITIONS, June 1921.

II.—ADDITIONS.

Report for	STATION.	Barom. at M.S.L. m.b.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form	Cloud. Total Amt. 0-10	Sun. 0-9	Summaries for the Past 24 Hours. Weather. 7h.-15h.	Weather. 15h.-18h.	Weather. 18h.-21h.	Weather. 21h.-7h.	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.	Sun. Hours
19th	Malin Head 18th 18h	1017.4	-1	NNE	3	bc-	53	97	8	4000	Cu	2	Ci.Cu	5	*		bc						—			
	Liverpool 18th 13h	1016.2	-1	NE	1	b-	60	45	6	2500	Cu	1	Ci.Cu	2	*											
	" 18th 18h	1024.9	-1	NW'N	3	b	57	65	8	-	-	-	Cirst	2	4		berbc									
	Baldonnel 19th 7h	1024.7	-3	E'S	1	o	49	85	7	1500	St.	7	Ast	10	*			berbc								
	Malin Hd. 19th 7h	1024.6	-3	NW	3	Cot	51	97	8	5750	St.Cu	10	-	10	*			o								10.9
	" " 7h	1020.7	-4	WNW	3	op/r	51	97	8	5750	Nb	10	-	10	3				op	56	49	*	-	1	-	
	Liverpool " "	1020.6	-2	WNW	4	o+	52	75	7	1500	St	10	-	10	4			c		62	50	41	-	trace	--	7.0
20th	Malin Head 19th 13h	1019.7	0	WNW	4	o/r	53	97	7	5750	St.Cu	10	-	10	*											
	" " 18h	1018.7	-2	WNW	5	fo-	?	97	5	1500	St	10	-	10	4										-	
	Liverpool 19th 13h	1018.6	-2	W'N	5	o/r	52	75	7	800	Nb	10	-	10	*	0.0	p.									
	" 18h.	1017.5	-2	W'N	4	o/r	54	85	9	800	St	10	-	10	4		0.0						0.2			
	Malin Head 20th 7h	1019.1	0	WNW	4	o/r	52	97	7	450	St	10	-	10	*				imr.							0.0
	" " 7h	1019.5	0	WNW	4	dod.	52	97	5	450	St	10	-	10	-				omDD	54	50	*	0.7	0.8	0360	
	Liverpool " 7h	1017.8	+1	WNW	5	o/r	54	85	7	800	Nb	10	-	10	6			p		55	52	51		1		0.0
21st	Malin Head 20th 13h	1020.3	+1	NW	4	o/r	52	97	6	450	St	10	-	10	*	mm										
	" " 18h	1021.4	0	NW	4	o	52	97	4	450	St.	10	-	10	*		omrdd									
	" 21st 1h	1023.1	+2	NW	2	o/r	50	97	7	2500	Nb	10	-	10	*			p								0.0
	" 7h	1023.6	+2	WNW	1	odo	49	97	7	4000	St.Cu	10	-	10	1				rord	53	48	*	-	1	-	
	Liverpool 20th 13h	1019.3	+1	WNW	S	o	56	55	7	800	Nb	10	-	10	*	o.o										
	" 18h	1019.0	-1	W	4	o	56	85	7	800	Nb	10	-	10	-		-									
	" 21st 7h	1021.6	+2	NW	3	o	53	65	8	2500	St.Cu	3	Ci.Cu	9	4											
22nd	Malin Head 21st 13h	1022.8	-1	WNW	3	o	54	97	7	450	St.	10	-	10	*	ido										
	" 18h	1022.2	-1	W	3	o/r	54	92	7	4000	St.Cu	10	-	10	4		do									
	" 22nd 1h	1021.7	0	WSW	3	o	53	97	7	4000	St.Cu	10	-	10	*			o.o								0.0
	" 7h.	1021.0	0	WSW	3	o	54	92	8	4000	St.Cu	10	-	10	1				form	55	52	*	0.4	-	-	
23rd	" 13h	1019.7	-2	WSW	4	o	57	97	7	4000	St.Cu	10	-	10	*	o.o										
	" 18h	1019.7	-1	WSW	4	op/r	56	97	6	4000	St.Cu	10	-	10	5		oo									
	" 23rd 1h	1018.5	0	WSW	5	odo	54	97	6	450	St.	10	-	10	*			oo Im								
	" 7h.	1018.0	0	SW	5	fo+	55	97	4	450	St.	10	-	10	5				oqd	59	53	*	-	0.7	224.5	0.0
24th	" 13h	1020.7	+2	WSW	4	o	55	97	2	450	St.	10	-	10	*	Ff										
	" 18h.	1022.4	+4	W	2	o	55	97	6	450	St.	10	-	10	5		FF									
	" 24th 1h.	1022.3	+4	W	1	o	55	97	2	450	St.	10	-	10	*			odod								
	" 7h.	1022.8	0	SSE	1	o	58	97	8	450	St.Cu	10	-	10	1				odod	57	53	*	0.3	-	210.0	0.0
25th	" 24th 13h	1022.4	0	S	2	o	66	92	8	450	St.Cu	10	-	10	*	-										
	" 18h.	1020.0	-1	S	2	o	66	85	7	450	St.Cu	10	-	10	1		F.f									
	" 25th 1h.	1018.1	-3	S	1	fo+	61	92	5	4000	St.Cu	10	-	10	*			oF								0.4
	" 7h	1016.1	0	S	2	o	60	92	7	-	-	-	Ci.Cu	9	1				om	68	59	*	-	-	-	
26th	" 13h.	1016.1	0	NE	1	ffbo	62	85	7	-	-	-	Ci	4	*	bclm										
	" 18h.	1016.6	0	NE	2	ffb	58	97	7	-	-	-	Ci	3	o		bcbif									
	" 26th 1h	1016.7	0	NE	3	o-	63	97	7	450	St.	10	-	10	*			bcoF								
	" 7h.	1016.8	0	NNE	3	c+	52	92	8	4000	St.Cu	6	A.Cu	8	5				c	66	51	*	-	-	-	8.8
27th	" 13h	1018.1	+2	NE	3	o-	55	92	8	4000	St.Cu	9	-	9	*	o										
	" 18h.	1019.5	+2	NE	3	o-	55	97	8	4000	St.Cu	9	-	9	4		b									
	" 27th 1h.	1021.1	+1	NE	2	b-	51	97	8	-	-	-	-	-	*			barbc								
	" 7h	1022.0	+2	E	2	b	55	92	8	-	-	-	Ci	1	1				barbc	57	50	*	-	-	-	
	~~Synopse 27th 7h~~	1020.0	+3	NNW	3	odm	56	97	6	700	St.	10	-	10	*											
28th	Malin Head 27th 13h	1025.4	+2	E	3	b	58	85	8	-	-	-	Ci	1	*	barbc										
	" 18h	1026.3	+1	NE	3	b	56	92	8	-	-	-	Ci	1	1		barbc									
	Baldonnel " "	1024.9	+1	E	4	b-	59	55	9	-	-	-	dcu	2	*			barbc								14.3
	Malin Hd. 28th 1h	1028.0	+2	-	0	bct	50	92	8	-	-	-	Ci St	4	*				barbc	58	49	*	-	-	-	
	" 7h	1028.5	0	E	1	b-	57	92	8	-	-	-	Ci	1	1											
29th	" 13h.	1029.2	0	NE	2	bv	58	92	9	-	-	-	Ci	3	*	barbc										
	" 18h	1028.3	-1	NE	2	bcv	54	97	9	-	-	-	Ci	5	1		barbc									
	" 29th 1h.	1027.4	0	N	3	o+	52	97	8	4000	St.Cu	9	-	9	*			barbc							-	13.5
	" 7h.	1026.8	-1	NW	2	o	50	97	8	4000	St.Cu	9	-	9	2				o.o	59	50	*	-	-	-	
30th	" 13h.	1026.6	0	N	3	ov	52	97	9	4000	St.Cu	10	-	10	*	o.o										
	" 18h.	1025.3	-2	NNW	3	ov	52	97	9	4000	St.Cu	10	-	10	2		o.o									
	" 30th 1h	1024.4	-1	WNW	3	o	51	97	8	4000	St.Cu	9	-	9	*			c							-	0.2
	" 7h.	1023.6	-2	NNW	2	o	51	97	8	4000	St.Cu	10	-	10	1				o.o	54	49	*	-	-		

‡ The barometric change is expressed in half millibars.

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