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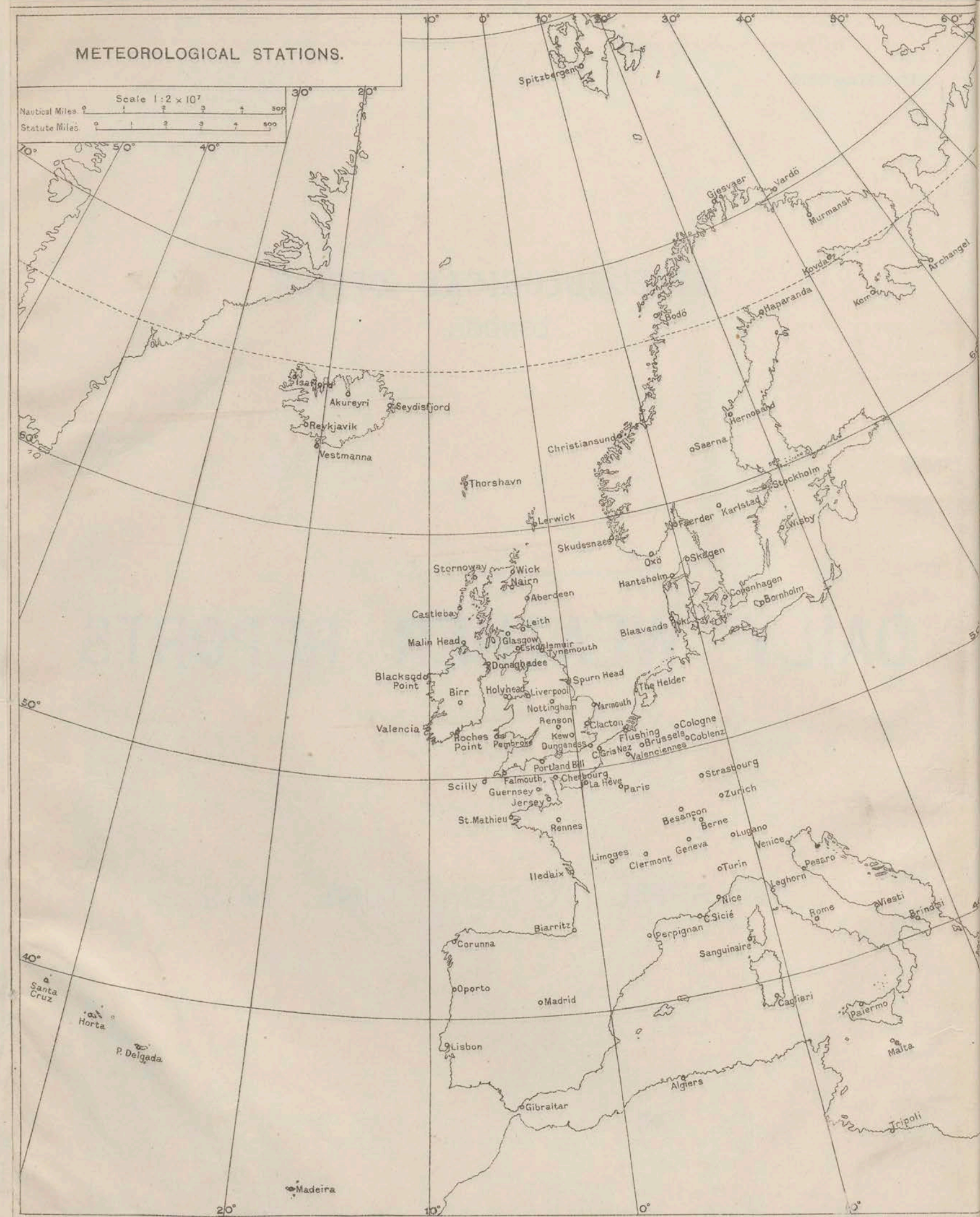
M.O. Form 2610

METEOROLOGICAL OFFICE,

LONDON.

DAILY WEATHER REPORTS

1st APRIL TO 30th JUNE, 1919.



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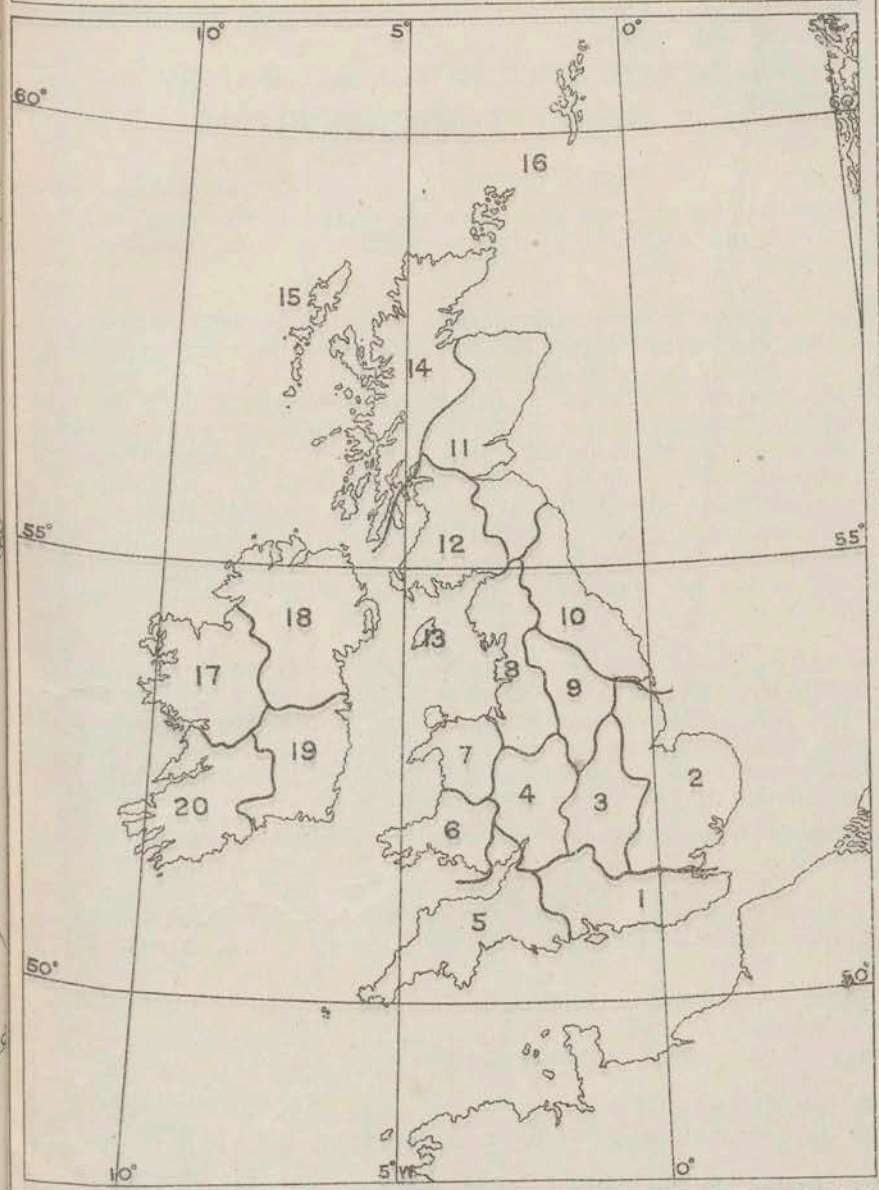
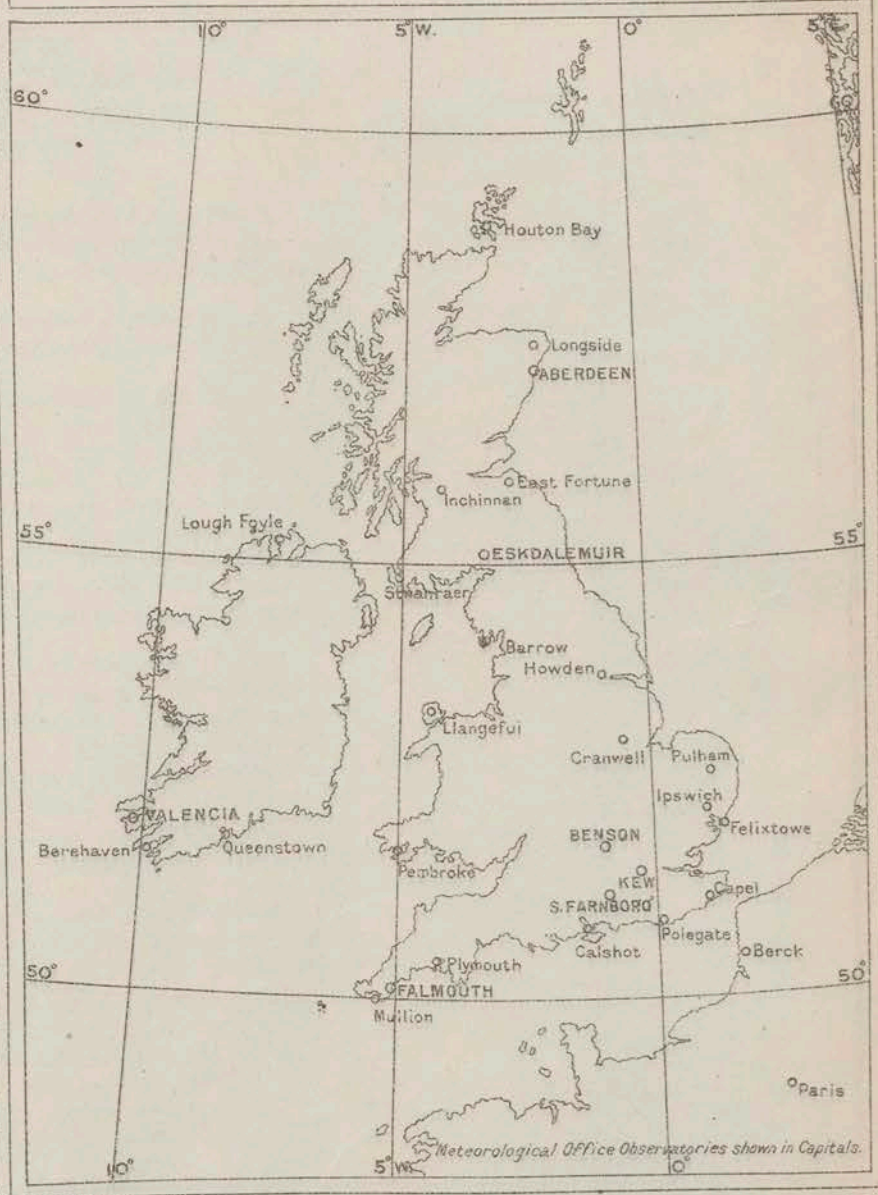
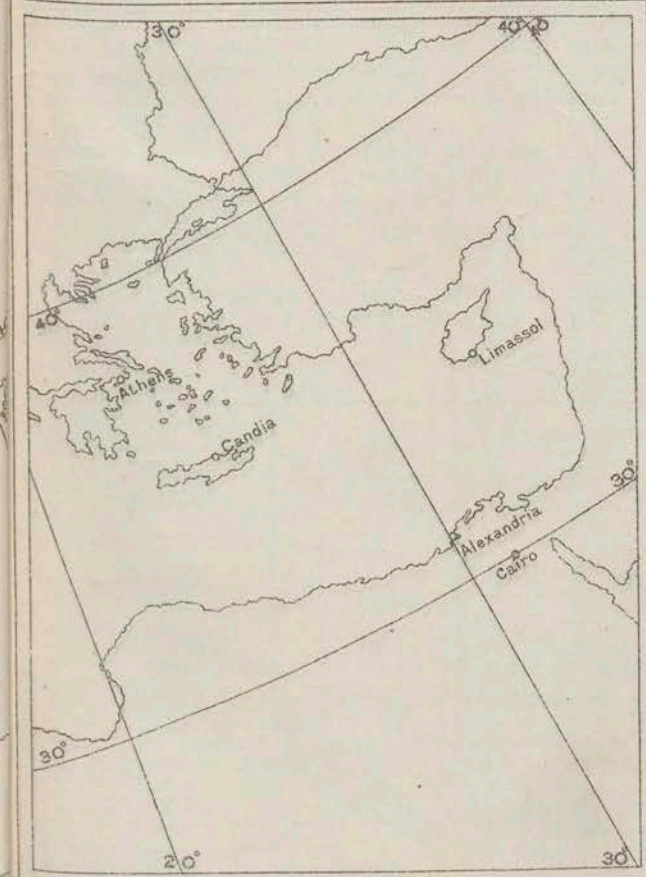


STATIONS USED FOR UPPER AIR SUPPLEMENT.





SCALE OF SURFACE VISIBILITY.

	0 Very bad	Objects not visible beyond	200 metres	(320 yards).
	1 Bad	" " "	500 "	(545 yards).
	2 Very poor	" " "	1,000 "	(0·6 mile).
	3 Poor	" " "	2,000 "	(1·2 miles).
	4 Indifferent } Ordinary	" " "	4,000 "	(2·5 ").
	5 Fair } Ordinary	" " "	7,000 "	(4·3 ").
	6 Good, above ordinary	" " "	12,000 "	(7·5 ").
	7 Very good, unusual	" " "	20,000 "	(12·4 ").
	8 Exceptionally good	" " "	30,000 "	(18·6 ").
	10 Objects visible beyond 30,000 metres (18·6 miles).			

BEAUFORT NOTATION.

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.
e wet air without rain falling.
f fog. g gloom.
h hail. l lightning.
m mist.
o overcast sky.
p passing showers.
q squalls.
r rain.

BEAUFORT NOTATION.

rs sleet, *i.e.*, rain and snow together.
s snow.
t thunder.
u ugly, threatening sky.
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.

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

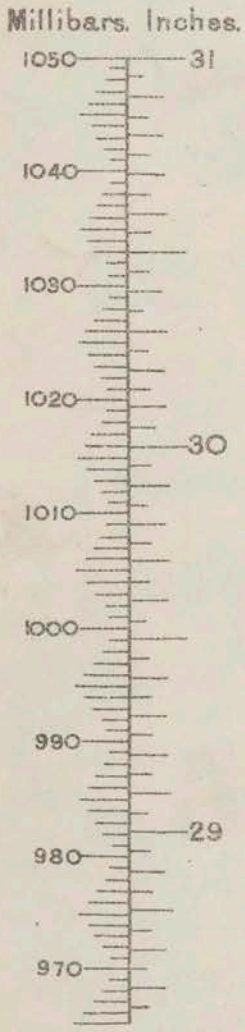
WEATHER SYMBOLS.

Clear sky	○	Sky ¼ clouded	
Sky ½ clouded		Sky ¾ clouded	
Overcast sky		Rain falling	
Snow		Hail	
Fog		Mist	
Thunder		Thunderstorm	
Lightning		Gale	
Aurora		Solar halo	
Rime		Lunar halo	
Glazed frost		Solar corona	
Glazed roads		Lunar corona	
Snow lying			

SEA DISTURBANCE.—
Rough ~~~ High ~~~

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 5 millibars. Values in millibars may be converted to mercury inches by the scale given in the margin.

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.

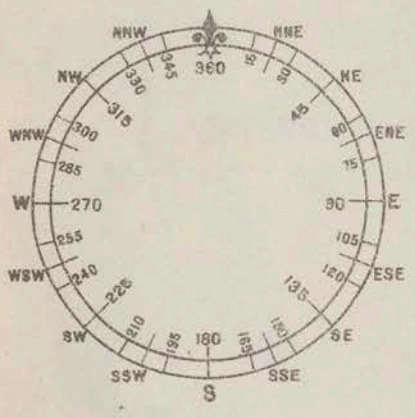
Upper Air Temperature.—Temperature at different levels in the free atmosphere up to 20,000 feet is shown graphically on the Upper Air Supplement. On the diagram, heights are given both in feet and kilometres and temperatures in degrees Fahrenheit and Absolute. The lines marked "Anti-cyclonic," "Cyclonic," "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, no reference to precipitation being implied.

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.



Wind.—All wind directions specified in the reports are true, not magnetic compass bearings. 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, 15,000 feet. The data are based on Pilot Balloon ascents made at Stations of the Royal Air Force and of the Meteorological Section, R.E., and also at the Observatories of the Office; supplemented by data from French Stations received by wireless from the Eiffel Tower.

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.)

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, but not by wind vanes	1-3
2	Slight breeze	Wind felt on face; leaves rustle; ordinary vane moved by wind	4-7
3	Gentle breeze	Leaves and small twigs in constant motion; wind extends light flag	8-12
4	Moderate breeze	Raises dust and loose paper; small branches are moved	13-18
5	Fresh breeze	Small trees in leaf begin to sway; crested wavelets form on inland waters	19-24
6	Strong breeze	Large branches in motion; whistling heard in telegraph wires; umbrellas used with difficulty	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; considerable structural damage occurs	55-63
11	Storm	Very rarely experienced; accompanied by widespread damage	64-75
12	Hurricane		Above 75

Wyman & Sons Ltd., M.O. Press, London, S.W.7.

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. mm.	Total Fall. in.	BRIGHT SUNSHINE. 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]‖	[28]‖	[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	1011·8	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	[62·6]*	[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.

* Observations for these columns not usually received. ‡ The barometric change is expressed in half-millibars.

METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No 20,949 Tuesday, 1st April 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud Form	Upper Cloud Amt. 0-10.	Sea 0-9.
	13H G.M.T. of 31st													
Houton B. (Orkney)	999.5	-0	NNW	7	33	rs.q	98	4	1-1500	Nb	7	Ci.Cu	2	4
Eskdalemuir ...	1001.4	0	NW	5	41	z₁	65	5	-	Cu.Nb	3	Ta.Ci	1	*
Stranraer ...	1003.4	0	NNW	5	43	v	65	8	3-4000	Cu	3	-	-	-
Lough Foyle ...	1007.4	0	N	6	40	c	75	7	2-3000	Cu	7	-	-	4
Valencia (Cahirc'n)	1009.8	0	NE	3	44	bc	65	0	3-4000	Cu	6	-	-	3
Anglesey (Llangefni)														
Falmouth ...	1006.4	0	SW	2	40	oq	87	6	-	Nb	10	-	-	*
Calshot (Hants) ...	1004.9	-2	WSW	5	43	oq	87	8	5-7000	Cu.Nb	6	Ac.st	3	4
Capel (Folkestone)	1004.6	-2	SW	3	40	bc	75	6	3-4000	st.cu	4	Ac.cu	1	3
Aberdeen ...	999.3	+1	NW	4	38	rs.q	92	7	-	Nb	10	-	-	3
East Fortune ...	1001.2	0	NNW	5	41	o	75	8	3-4000	st.cu	3	Ac.st	6	*
Lowden ...	1001.4	0	WNW	3	42	bc	75	5	4-5000	Cu	5	Ac.st	1	*
Felixstowe ...	1004.2	-1	SSW	3	40	r.f₁	98	5	-	Nb	9	Ci.st	1	2
Cranwell (Lincs)														*
Benson ...	1003.3	-2	W	3	44	c	65	5	-	-	-	-	-	*
London (Kew Ob.)	1003.6	-3	WSW	1	44	c	55	7	-	st.cu	6	Ci.st	2	*
	1H G.M.T. of 1st													
Houton B. (Orkney)	1005.1	+8	ENE	6	34	o	87	7	2-3000	st.cu	7	-	-	4
Eskdalemuir ...	1002.2	0	N	2	32	o	75	6	-	st	10	-	-	*
Stranraer ...	1002.9	0	N	1	35	bc	92	5	1½-2000	st	4	-	-	-
Lough Foyle ...														
Valencia (Cahirc'n)	1009.8	-1	NNW	3	38	bc								
Anglesey (Llangefni)	1003.6	0	-	0	33	o	87	1	2-3000	st	10	-	-	2
Falmouth ...	1006.6	0	NW	3	35	b	92	6	-	st	2	-	-	*
Calshot (Hants) ...														
Capel (Folkestone)														
Aberdeen ...	1000.2	+7	-	0	32	bc	98	5	3-4000	st.cu	4	-	-	1
East Fortune ...	1001.9	0	NW	2	35	os₁	92	0	1½-2000	Nb	10	-	-	*
Lowden ...														*
Felixstowe ...	1003.3	0	W	1	33	x	98	-	-	-	-	-	-	2
Cranwell (Lincs)	1002.0	0	W	1	28	b	98	5	2-3000	st.	2	-	-	*
Benson ...														*
London (Kew Ob.)														*

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud Form	Upper Cloud Amt. 0-10	Sea 0-9.
	18H. G.M.T. of 31st													
Houton B. (Orkney)	999.0	-1	NNW	4	31	f₂	98	0	<500	st	10	-	-	5
Eskdalemuir ...	1001.7	0	NNW	2	35	o	65	8	-	Cu.Nb	3	a.st	6	*
Stranraer ...	1003.1	0	NNW	5	40	oq	75	8	2-3000	Cu	3	ci.st	6	-
Lough Foyle ...	1007.1	0	NNW	7	35	s₀	92	4	1½-2000	Nb	8	-	-	4
Valencia (Cahirc'n)	1010.3	+1	NNW	5	42	bc	75	0	3-4000	Cu	4	Ci.Cu	2	3
Anglesey (Llangefni)														
Falmouth ...	1005.9	0	NW	3	45	b								*
Calshot (Hants) ...														
Capel (Folkestone)														
Aberdeen ...	999.2	0	WNW	4	36	rs₀	98	7	-	Nb	10	-	-	3
East Fortune ...	1001.3	0	NW	4	38	o	75	6	3-4000	st.cu	5	a.cu	3	*
Lowden ...														*
Felixstowe ...	1003.4	0	SSW	5	38	r.q	98	5	-	Nb	9	ci.st	1	3
Cranwell (Lincs)	1001.1	+1	WSW	3	36	o	92	4	2-3000	Cu	6	Ta.Ci	3	*
Benson ...	1002.3	0	W	2	40	c	65	5	-	Cu	5	-	-	*
London (Kew Ob.)	1003.2	0	S	1	38	c	82	5	-	Cu.Nb	6	a.cu	2	*
	7H. G.M.T. of 1st													
Houton B. (Orkney)	1010.6	+6	NE	6	35	b	82	7	5-7000	Cu	2	a.cu	1	3
Eskdalemuir ...	1004.8	+3	N	2	31	bcz	82	6	-	st.cu	3	ci.	1	*
Stranraer ...	1004.6	+3	NNE	1	33	b	87	8	3-4000	st	2	-	-	-
Lough Foyle ...	1007.5	+2	NE	7	39	c	82	8	2-3000	Cu	8	-	-	4
Valencia (Cahirc'n)	1008.4	-2	N	4	38	bc	75	0	1½-2000	st.cu	5	-	-	3
Anglesey (Llangefni)														
Falmouth ...	1005.5	-1	NW	2	35	os₀	92	2	-	Nb	10	-	-	*
Calshot (Hants) ...	1004.6	0	W	1	32	2	98	4	-	-	-	-	-	2
Capel (Folkestone)	1004.6	0	SSE	2	35	b	82	5	5-7000	Cu	1	-	-	2
Aberdeen ...	1006.1	+7	NNE	5	37	o	98	7	-	Nb	9	-	-	3
East Fortune ...	1004.6	+6	NNE	3	35	c	92	6	3-4000	st.cu	4	a.st	3	*
Lowden ...														*
Felixstowe ...	1004.3	+2	-	0	31	2₁	98	1	-	-	-	-	2	
Cranwell (Lincs)	1004.4	+2	WNW	1	29	cf₁	98	3	2-3000	st	7	Ta.Ci	1	*
Benson ...	1003.3	+1	-	0	30	bx	98	4	-	-	-	Ci	1	*
London (Kew Ob.)	1004.1	+2	-	0	30	f₂	98	0	-	-	-	-	-	*

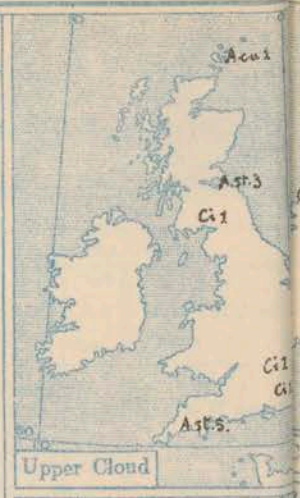
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	Barometer. at M.S.L. m.b.	Barometer. ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	18H. G.M.T. of 31st					7H. G.M.T. of 1st									24 HOURS ENDED 7H. 1st						31st
Lerwick ...	998.9	38	E	4	cm	1010.2	+2	41	+7	NNE	3	N	bc	2	3	41	33	cmps	cmprs	bc	*
Stornoway ...	1004.5	35	N	4	o	1011.3	+6	35	0	N	4	-	bc	4	6	36	33	o.cps	c.ops	o.bc	0.9
Castlebay (Barra Is)	1006.1	38	N	4	csp	1009.8	+7	40	+3	N	4	-	b	4	3	40	34	bcsg	cs.pc	crs.hb	4.3
Glasgow ...	1002.5	38	NW	2	o	1006.0	+6	34	+1	NE	2	N	c	*	0.2	44	31	bc.c	c	c.osp.c	8.0
Malin Head ...	1004.8	36	N	5	bcqps	1005.3	+3	39	+1	NNE	5	NE	bcq	5	3	41	35	bcqps	bcqps	cqph	7.0
Blacksod Point	1007.4	38	NNW	5	oqhs	1008.4	+1	35	+1	N	4	N	bcqps	5	5	41	31	bcph	bcphs	bcqhs	*
Roche's Point ...	1008.0	43	NW	5	few	1006.9	-1	36	+3	NNW	3	-	o	2	0.1	46	33	b.bc.c	cp	c.bx.o	*
Birr Castle ...	1007.6	40	NW	1	c	1006.4	*	30	+1	NW	1	NW	b	*	2	45	28	cph	cph	cpsx.b	5.4
Donaghadee ...	1003.9	39	N	5	cqm	1004.4	+2	37	-1	N	5	N	bcqp	4	Trace	44	34	bcqm	bcq	og.bc.r	*
Liverpool (Bidston)	1002.5	40	WNW	3	b	1003.5	+2	33	-2	—	0	-	o	1	8	42	32	s.bc	b	os	7.6
Holyhead ...	1003.8	40	NW	5	bc	1003.4	0	37	-1	NNE	4	N	cps	3	15	45	32	o.cprs	c.bc	cps.o.c	5.0
Pembroke (St. Ann's Head)	1006.1	41	NW	2	bv	1004.9	-1	37	+1	NW	3	NW	ov	2	-	43	36	cv	c.o.bv	bcv.cv	9.5
Scilly (St. Mary's)	1007.5	42	N	3	c	1006.0	-1	39	+4	N	3	N	cq	4	3	47	34	cph	cphv	bc.cqp	9.2
Jersey (St. Aubin)	1005.0	43	WSW	3	b	1005.1	0	35	-2	WNW	3	NW	b	2	2	46	32	c.s.b	b.bc.b	b.h.b	7.7
Portland Bill ...	1004.1	41	W	4	bc	1004.0	0	38	-1	NW	3	-	c	2	0.1	44	36	bc	bc	b.bc	*
Dungeness ...	1003.1	40	WSW	3	bc	1003.6	+1	33	0	NW	2	-	b	2	-	43	28	bc	c.bc	c.b.bx	*
Leith ...	999.2	36	NNW	3	o	1009.1	+6	40	+5	NE	5	-	bc	5	3	40	34	c.ompq	ompq	o.bcmp	*
Nairn ...	1000.9	36	NNW	3	c	1008.1	*	39	+4	N	2	-	bcg	2	4	39	33	cprsq	prsc	php.cg	0.0
Leith ...	1000.7	40	NW	2	c	1004.8	+1	36	0	NNW	2	NE	c	2	-	42	34	b.bc.c	c.bc.c	c.b.rsc	*
Tynemouth ...	999.5	40	NNW	3	cm	1003.0	+4	33	+1	NW	2	-	cm	5	-	44	32	cm	cm	bcm.cm	*
Spurn Head ...	1001.0	35	SSW	1	cps	1003.5	+1	36	+8	NW	1	-	bcmx	3	2	42	22	cqm	cll.ops	bmx	2.1
Yarmouth (Gorleston)	1002.6	39	SSW	3	bc	1003.9	+2	31	-3	WNW	3	-	bcfx	3	-	47	29	bcmx	bcm	bm.bcm	10.0
Clacton on-Sea	1002.9	39	S	4	o	1004.1	+2	32	-1	W	2	-	m	0	0.2	45	30	bc.ogu	og	ogp.bm	4.6
Nottingham ...	1001.8	37	E	2	crg	1003.9	*	28	-4	SW	1	-	bmx	*	0.3	46	27	bc.c	c.oc.rs	op.c.b	5.2

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARY OF CONDITIONS AT 7 A.M. Tuesday, 1st April, 1919.

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Variable, 0~5	Cold	Fine; fog locally	Variable	Smooth
2. E. England	" "	"	" " "	Below Ordinary	Slight
3. E. Midlands	" "	Very cold	" " "	—	—
4. W. Midlands	" "	" "	" " "	—	—
5. S.W. England	N.~N.W., 2~10	Cold	Cloudy, local showers of sleet or snow	Very poor	Slight
6. South Wales	" "	"	" " " "	Very good	"
7. North Wales	N., 10	"	" " " "	—	"
8. N.W. England	Variable airs, up to 5	"	Overcast	—	Calm
9. N. Midlands	" "	"	Cloudy, mist locally	—	—
10. N.E. England	" "	"	" " "	—	Moderate
11. E. Scotland	NNE., 10~15	Rather cold	Fair to overcast	Good.	Slight.
12. S.W. Scotland	N. up to 10.	" "	Fair.	Very good	Moderate
13. Isle of Man	" "	" "	"	" "	"
14. N.&N.W. Scotland	N. to NE. 15~20	" "	"	" "	"
15. Hebrides	" "	" "	"	" "	"
16. Orkneys and Shetlands	" "	" "	"	" "	"
17. N.W. Ireland	N., 10~20.	" "	Variable sky, local showers.	" "	Rather rough
18. N.E. Ireland	" "	" "	" " " "	" "	" "
19. S.E. Ireland	" "	" "	" " " "	" "	Slight
20. S.W. Ireland	" "	" "	" " " "	" "	"



Upper Cloud

Visibility

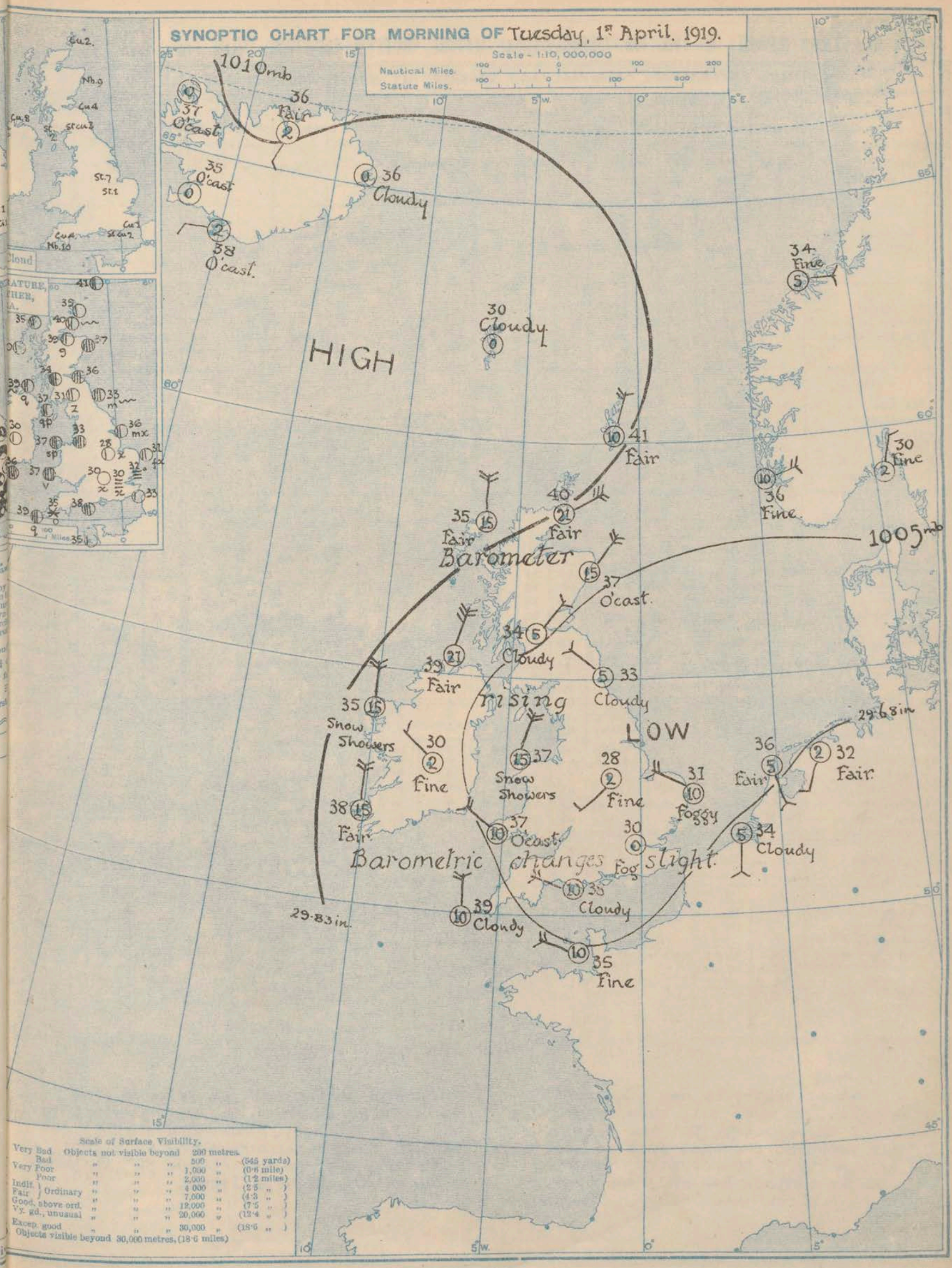
EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by the way flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circle.
TEMPERATURE is given in degrees.
WEATHER SYMBOLS.—
clear sky. sky ½ cloud.
sky ½ clouded. sky ½ cloud.
overcast sky. rain.
snow. hail. fog.
T thunder. R thunderstorm.
SEA DISTURBANCE.—
Rough High

GENERAL INFERENCE from observations received up to 9h. G.M.T.

The depression is now situated over the North Sea with a shallow secondary over the British Isles. Pressure is rising in Scotland and an anticyclone over Faeröe is probably spreading southeastwards, and will cause Northeasterly winds to extend further south, with sleet or snow showers and low temperatures.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Tuesday, 1st April, 1919.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Light winds from West; variable cloud, local snow or sleet, some mist; rather cold.	
4. W. Midlands 5. S.W. England 6. South Wales	Light winds from North-West; cloudy, sleet or snow showers; cold.	
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Moderate wind between North and North-East; cloudy, sleet or snow showers; cold.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Moderate wind from North-East; cloudy, snow showers; cold.	
14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Fresh wind from North-East; cloudy, snow showers; cold.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Moderate or fresh wind from North or North-East; cloudy, sleet or snow showers; cold.	

Meteorological Office, Exhibition Road, London, S.W. 7. H. G. LYONS, Col., Director. R. G. K. LEMPFERT, C.B.E., Superintendent Forecast Div.


SYNOPTIC CHART FOR MORNING OF Tuesday, 1st April, 1919.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
1010 mb
HIGH
Barometer
rising
LOW
Barometric changes slight.
1005 mb
29·83 in.
29·68 in.
37 O'cast
36 Fair
35 O'cast
36 Cloudy
38 O'cast.
34 Fine
30 Cloudy
41 Fair
30 Fine
36 Fine
40 Fair
35 Fair
37 O'cast.
34 Cloudy
33 Cloudy
39 Fair
35 Snow Showers
30 Fine
37 Snow Showers
28 Fine
31 Foggy
36 Fair
32 Fair
38 Fair
37 O'cast
30 Fog
34 Cloudy
38 Cloudy
39 Cloudy
35 Fine
Scale of Surface Visibility.
Very Bad Objects not visible beyond 200 metres.
Bad " " " 500 " (545 yards)
Very Poor " " " 1,000 " (0·6 mile)
Poor " " " 2,000 " (1·2 miles)
Indif. } Ordinary " " " 4 000 " (2·5 ")
Fair } " " " 7,000 " (4·3 ")
Good, above ord. " " " 12,000 " (7·5 ")
Vy. gd., unusual " " " 20,000 " (12·4 ")
Excep. good " " " 30,000 " (18·6 ")
Objects visible beyond 30,000 metres, (18·6 miles)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 91. TUESDAY 1ST APRIL

WEATHER TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 31ST MARCH.

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 30TH	Rainfall. Day. 9h-17h. 31ST	Sunshine. to 17h. 31ST	Sunshine. to Sunset. 30TH
Scotland,	Banff	oprs.	oprs.	40	35	2	1	0·7	3·5
	St. Andrews ...	*	*	40	32	-	-	1·7	*
England, N.E.	Harrogate								
	Skegness	bc	bcp	45	29	Trace	Trace	6·7	*
England, E.	Felixstowe	*	*	45	32	Trace	-	6·0	7·5
	Walton-on-Naze...	*	*	43	32	-	-	6·2	*
	Southend-on-Sea...								
England, S.E.	Margate	b	s	42	32	-	2	4·3	*
	Ramsgate	*	q.	?44	30	-	1	5·3	7·9
	Hastings								
	Eastbourne... ...	*	*	44	32	-	-	?6·4	?10·0
	Worthing	bc.	bcch.	45	31	-	-	6·3	10·7
	Bournemouth ...	*	*	44	32	-	Trace	6·5	10·5

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 30TH	Rainfall. Day. 9h-17h. 31ST	Sunshine. to 17h. 31ST	Sunshine. to Sunset. 31ST
England, N.W.	Southport	o.c.bc.b	b.	43	35	Trace	-	7·7	*
Midlands.	Buxton	*	*	40	30	-	-	6·2	*
	Leamington Spa...	bc.c.b	pc.b.bc	46	28	6	-	7·7	*
	Malvern	b.bc.	bc.c	43	33	-	1	9·0	*
	Ross-on-Wye ...	bc.cu.	ovh.po.	46	31	-	Trace	6·6	9·
Wales.	Rhyl	*	s.bc.	43	32	6	1	5·8	8·
	Colwyn Bay ...	*	*	44	33	1	4	4·5	5·
	Llandudno	os.	b.	44	32	6	Trace	6·0	7·
	Aberystwyth ...	*	*	41	38	-	-	2·0	*
England, S.W.	Weymouth								
	Torquay	b.bc.h	bc.b	46	33	-	4	1·1	10
	Penzance	c.bc.	bc.	46	34	1	-	7·5	*
	Newquay	s.	b.	42	32	-	1	2·1	8
	Weston-s-Mare ...	*	*	44	33	1	-	6·5	*

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-13h. 31ST	Weather 13h-18h. 31ST	Weather 18h. 31ST-1h. 1ST	Weather 1h-7h. 1ST	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)...	c'. prs	s2 eg2	s, bc c.	b.bc.hrs1	35	31	*	*		*
Eskdalemuir	c.bc.b3	c. cg.c.o	o.c.bc.o	bc.osp	42	28	21	-		7·2
†Stranraer	v.b.bcc.	b.bc. v/	q.	x.b.bc.	44	29	*	*		*
†Lough Foyle	c.om.	ps1	*	p.	41	33	*	*		*
...	*	*	*	*	*	*	*	*		*
Valencia (Cahirciveen) ...	ps.b.bcc	b.bc. ⊕	bc.	b.bc.bps0	45	31	32	3		10·2
... ...	*	*	*	*	*	*	*	*		*
†Anglesey (Llangefni) ...	*	*	th2.u.	*	*	*	*	*		*
... ...	*	*	*	*	*	*	*	*		*
Falmouth	c.o.g	c.os.bc.	bc.	s0	45	32	28	7		7·2
†Calshot (Hants)	prh2 q.	*	*	b.bc.z	44	28	*	*		*
†Capel (Folkestone)... ...	b.bcm.s0	*	*	b.bc.v	41	30	*	*		*
Aberdeen	cr.shq.	cr sp.	*	s0.rs1	41	33	29	5		3·5
†East Fortune	com.q.	c.o.o.	c.o.c.c.	c.o.c.ps0	41	32	*	*		*
†Howden	c.om.p0	*	*	*	*	*	*	*		*
†Felixstowe	of1	*	b.b.o.e.	z.x	45	29	*	*		*
†Cranwell (Lincs) ...	*	bbc.prh0	b.bc.oc	x.b.bc.c	45	26	*	*		*
Benson	bc.c.	bc.	*	ps0.bc.c	46	29	16	1		*
London (Kew Obsy.) ...	z.bccx	cp.rsc.	cb.os.pb.	c.cp.bjoc.	45	29	21	1		5·6

BEAUFORT NOTATION.

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.
e wet air without rain falling.
f fog. g gloom.
h hail. l lightning.
m mist.
o overcast sky.
p passing showers.
q squalls.
r rain.
rs sleet, *i.e.*, rain and snow together.
s snow.
t thunder.
u ugly, threatening sky.
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.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Limits of Velocity. 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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

LONDON. OBSERVATIONS.

24 Hours ended 9h G.M.T. ...1ST...

	Weather. Morning	Weather. Afternoon.	Weather. Night	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours. Yesterday.	Humidity % 15 h. G.M.T.	Humidity % 9 h. G.M.T. To-day.
Greenwich (Royal Observatory)	bc.	op	of.bc	48	28	20	1·0	3·9	68	90
City (Bunhill Row)	*	*	*	*	*	*	*	1·1	*	*
Westminster (St. James's Park)	*	*	*	48	30	26	4·2	3·5	84	100
" Roof of Admiralty Arch	bcm.	bcp.o	cps.b.bcx	47	30	*	3·7	2·5	72	91
Camden Sq. (British Rainfall)	bc.c.	os.bc	*	49	29	27	1·0	4·0	78	96
Kensington Palace	bc.	o.	*	47	30	22	0·8	*	*	96
Richmond Park	*	*	*	*	*	*	*	6·0	*	*

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total ...1067..... Joules.

Average Rate. 23·2 Milliwatts.

Maximum Rate. 57. " "

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

1ST AND 2ND APRIL 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth ...	5 30	11.57	6.2
	5 28	11.57	6.2
Greenwich	5 38	12 4	6.3
	5 36	12 4	6.3
Wick ...	5.42	12.16	6.5
	5.40	12.16	6.5
Valencia ...	6.19	12.45	7.11
	6 17	12.45	7.1

NOTES ON THE WEATHER OF YESTERDAY.

Weather yesterday was changeable with sleet, snow or hail showers in most parts of the country, but the totals of bright sunshine recorded were considerable in most parts of the country, reaching 10.0 hours at Yarmouth and exceeding 9 hours at Pembroke and Scilly. The amount of precipitation was not large except at Holyhead where 15 mm. fell, mainly in the form of sleet. The cold weather continued, no maximum exceeding 47°F. (Scilly) while the minimum fell below 32° in many parts of the British Isles.

† Air Ministry Station

* Information for these columns not usually received.

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METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No. 29,950 B ..... WEDNESDAY 2nd APRIL 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form	Upper Cloud. Amt. 0-10.	Sea 0-9.
	18H. G.M.T. of ....1st....													
Houton B. (Orkney)	1014.4	+3	NE	3	42	bc	65	7	5-7000	Cu	4	-	-	3
Eskdalemuir ...	1009.9	+8	NW	4	40	c	92	6	3-4000	Cu.Nb	6	fa.Ci	1	*
Stranraer ...	1010.0	+5	ENE	3	44	cz	65	6	3-4000	st.cu	8	-	-	-
Lough Foyle ...	1013.5	+5	NNE	5	41	c	75	8	3-4000	Cu	7	-	-	5
Valencia (Cahirc'n)	1009.2	+1	N	5	45	bc	65	0	2-3000	Cu	5	-	-	4
Anglesey (Llangefni)														
Falmouth ...	1005.9	0	SE	2	45	cg	65	3	-	Nb	5	Ci.st	3	*
Calshot (Hants) ...	1006.7	+2	SSW	3	41	c	87	8	4-5000	Nb	4	a.st	3	5
Capel (Folkestone)														
Aberdeen ...	1012.7	+6	ENE	3	43	c	82	7	-	st.cu	8	-	-	4
East Fortune ...	1010.3	+6	NE	6	44	c	75	8	2-3000	Cu.Nb	7	-	-	*
Lowden ...	1008.4	+7	-	0	42	c	75	5	4-5000	st.cu	6	Ci.st	2	*
Felixstowe ...	1007.8	+3	S	2	42	b	87	5	4-5000	Cu	2	-	-	3
Cranwell (Lincs)														*
Benson ...	1006.0	+3	-	0	44	c	55	5	-	-	-	-	-	*
London (Kew Ob.)	1006.9	+3	—	0	38	of.	87	1	—	st	10	-	-	*
	1H. G.M.T. of ....2nd....													
Houton B. (Orkney)	1014.9	-4	WSW	6	38	0	87	5	4-5000	st.cu	3	a.st	7	4
Eskdalemuir ...	1019.8	+1	-	0	29	bc	98	6	-	st.cu	6	-	-	*
Stranraer ...	1019.9	+3	-	0	30	b	98	5	2-3000	st	1	-	-	-
Lough Foyle ...														
Valencia (Cahirc'n)	1019.5	+6	NNE	2	39	bc	-	-	-	-	-	-	-	-
Anglesey (Llangefni)	1018.8	+4	ENE	1	32	b	98	0	4-5000	st	2	-	-	1
Falmouth ...	1014.9	+3	NNE	3	34	b	92	6	-	-	-	-	-	*
Calshot (Hants) ...														
Capel (Folkestone)														
Aberdeen ...	1017.3	0	WSW	3	33	b	98	5	4-5000	st	3	-	-	-
East Fortune ...	1019.2	+2	-	0	31	b	-	-	-	-	-	-	-	*
Lowden ...														*
Felixstowe ...	1015.9	+2	N	1	32	b	92	-	-	st	1	-	-	1
Cranwell (Lincs)	1017.1	+2	N	1	32	b	92	5	2-3000	st	3	-	-	*
Benson ...														*
London (Kew Ob.)														*

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form	Upper Cloud. Amt. 0-10.	Sea 0-9.
	18H. G.M.T. of ....1st....													
Houton B. (Orkney)	1016.5	+4	WNW	3	39	c	92	6	7-9000	Cu	5	fa.Ci	2	3
Eskdalemuir ...	1015.1	+6	NNW	3	37	bc	82	8	-	Cu	5	-	-	*
Stranraer ...	1014.4	+6	NE	1	44	b	65	7	3-4000	st.cu	4	-	-	-
Lough Foyle ...	1017.5	+7	NNE	5	41	b	82	8	4-5000	Cu	1	-	-	4
Valencia (Cahirc'n)	1013.6	+6	NNE	6	44	b	65	0	2-3000	Cu	3	-	-	4
Anglesey (Llangefni)														
Falmouth ...	1008.4	+3	N	2	36	cp								*
Calshot (Hants) ...	1009.7	+3	ENE	3	41	c	87	5	4-5000	st.cu	3	Ci.st	3	4
Capel (Folkestone)	1010.1	+4	E	1	38	b	82	5	2-3000	St	3	-	-	3
Aberdeen ...	1016.2	+4	NE	1	40	b	75	8	-	-	-	-	-	3
East Fortune ...	1015.3	+6	NE	4	40	c	82	8	4-5000	Cu.Nb	2	a.Cu	4	*
Lowden ...														*
Felixstowe ...	1011.3	+5	-	0	40	bc	92	5	-	st.cu	3	-	-	1
Cranwell (Lincs)	1012.5	+6	ENE	1	38	b	82	6	3-4000	st.cu	1	a.st	3	*
Benson ...	1011.1	+6	NE	1	36	c	440	1	-	st	5	-	-	*
London (Kew Ob.)	1010.6	+5	ENE	2	39	cz	75	4	-	st.cu	6	a.st	2	*
	7H. G.M.T. of ....2nd....													
Houton B. (Orkney)	1012.4	-2	W	7	38	of.	92	4	1-1000	st	10	-	-	4
Eskdalemuir ...	1020.9	+1	-	0	25	ox	92	8	-	-	-	Ci.st	9	*
Stranraer ...														
Lough Foyle ...	1022.2	0	WSW	4	39	c	92	7	2-3000	fr.Cu	2	fa.Ci	4	4
Valencia (Cahirc'n)	1022.7	+3	SE	1	34	b	82	0	2-3000	st	1	-	-	3
Anglesey (Llangefni)														
Falmouth ...	1018.9	+5	N	1	35	om2	92	3	-	st	10	-	-	*
Calshot (Hants) ...	1018.8	+3	NNE	3	35	c	98	3	5-7000	st.cu	6	a.st	2	3
Capel (Folkestone)	1017.8	+4	NE	2	35	bc	98	4	4-5000	Cu	5	-	-	1
Aberdeen ...	1016.9	-1	WSW	2	36	bz	75	6	-	-	-	Ci.st	2	2
East Fortune ...	1019.3	-1	SW	4	34	b	-	4	-	-	-	-	-	*
Lowden ...														*
Felixstowe ...	1019.5	+5	N	1	31	bx	98	8	3-4000	st	3	-	-	4
Cranwell (Lincs)	1019.5	+4	NNW	1	32	bcf.	98	2	2-3000	st	2	fa.Ci	2	*
Benson ...	1018.8	+4	-	0	30	bcf.	98	1	-	fr.Cu	5	-	-	*
London (Kew Ob.)	1018.8	+4	NE	1	34	of.	98	2	-	st.cu	9	a.Cu	1	*

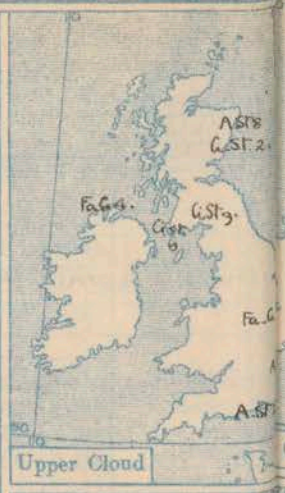
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather	Barometer. at M.S.L. m.b.	Barometer. ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	18H. G.M.T. of ....1st....					7H. G.M.T. of ....2nd....									24 HOURS ENDED 7H. ....2nd....						....1st....
Berwick ...	1013.8	42	WNW	2	bc	1008.8	-3	41	0	WSW	4	-	r	3	1	46	38	bc	bc	omp	*
Lerwick ...	1018.4	43	E	1	c	1015.6	-2	39	+4	SW	4	-	0	3	-	46	34	bc	bc.c	bc.o	8.9
Eastlebay (Barrafs)	1018.1	44	NNE.	2	b	1018.4	-1	43	+3	WNW	4	NW	bc	4	-	45	37	b	b	bc	11.1
Glasgow ...	1016.3	40	NE	3	bc	1019.8	0	33	-1	SW	2	E	cz	*	1	44	31	cs.p.bc	cpsp	bc.bzx	4.8
Malin Head ...	1015.5	42	NNE	5	bcq	1020.4	0	39	0	SW	3	N	bc	2	0.1	43	36	cq	bcq	cm	10.3
Jacksod Point	1016.0	41	NNE	5	bcz	1021.0	+1	39	+4	W	1	-	bzx	4	1	46	33	bcph	bcz	bc.bzx	*
Roche's Point...	1012.4	42	NNE	3	bq	1021.4	+4	34	-2	NNE	2	-	b	1	Trace	47	33	o.bc.c	cpq.b	bx	*
Orr Castle ...	1013.5	39	NW	1	c	1022.3	*	27	-3	S	1	-	m	*	0.1	45	26	cpth	cpth	cxz	6.9
Donaghadee ...	1013.7	42	NE	4	bcmq	1020.6	+3	33	-4	WSW	2	W	bcm	2	-	45	31	bcq	cgm.bc	bcm.bm	*
Liverpool (Bidston)	1012.4	37	SE	1	m	1020.7	+3	34	+1	NW	1	-	b	1	2	39	33	og	o.cm	bc.bx	0.1
Holyhead ...	1012.5	42	ENE	5	bz	1020.5	+2	34	-3	E	1	-	bz	0	1	45	32	cps	c.bc.b	bxz	10.9
Pembroke (St. Ann's Head)	1011.1	37	NE	3	cv	1020.5	+3	36	-1	NE	2	-	b	2	1	44	34	cvsp	cvhp	c.o.b	2.2
Scilly (St. Mary's)	1008.7	41	ENE	2	bc	1018.1	+3	40	+1	E	3	E	bc	4	1	44	37	cph	cp.bc	bc.bcm	3.7
Jersey (St. Aubin)	1008.0	43	ESE	2	b	1015.8	+2	41	+6	NE	4	-	b	3	-	45	34	b	b	bw	9.1
Portland Bill ...	1008.4	41	S	2	bc	1017.6	+4	38	0	NE	4	NE	bc	4	-	44	34	bc	bc	bc	*
Lungeness ...	1008.9	41	E	3	b	1016.3	+3	35	+2	NE	3	NE	b	2	-	45	30	bc	bc.b	b.bf.cx	*
Wick	1016.3	42	NNW	1	bc	1014.0	-2	38	-2	WNW	2	-	o	1	0.3	44	34	bcmp	bc	bc.og	*
Cairn	1016.6	41	NE	1	bc	1016.8	*	36	-3	W	1	-	bc	1	-	46	31	bc.cg	c.bc	bcx	10.0
Leith	1015.2	40	NE	2	b	1018.9	0	34	-2	W	1	-	b	2	0.1	44	31	cup.bc	b	b.bxm.b	*
Lynemouth ...	1011.7	43	NE	2	b	1018.8	+1	35	+2	NW	2	-	bcm	3	-	45	33	bm	b	bcm	*
Burn Head ...	1011.5	42	NE	3	bv	1018.0	+1	37	+1	NNE	2	-	bcx	2	-	44	33	bcv	bc.bv	bv.bcx	9.1
Yarmouth (Gorleston)	1010.5	40	NE	3	b	1017.4	+3	34	+3	N	2	-	bcm	2	-	43	30	bcf.bc	bcm.b	b.bcs	9.3
Clacton on Sea	1010.5	41	E	2	bc	1017.9	+3	33	+1	NNE	3	-	bm	1	-	43	31	b.bcm	bcm	bc.bm	9.1
Nottingham ...	1011.5	40	E	2	b	1019.7	*	36	+8	N	2	-	bm	*	-	46	27	bc.c	c.bc	b	4.4

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARY OF CONDITIONS AT 7 A.M. Wednesday, 2nd April, 1919.

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	N.~N.E.; calm to 10	Cold.	Variable sky; slight fog locally.	Below ordinary	Smooth.
2. E. England	N.; calm to 10	"	Fair; mist and frost locally.	Variable	"
3. E. Midlands	" " "	"	" " " " "	"	—
4. W. Midlands	" " "	"	" " " " "	"	—
5. S.W. England	N. to E.; 2 - 15	"	Fair generally	Poor	Slight.
6. South Wales	" " " "	"	" "	"	"
7. North Wales	Variable, 0 ~ 2	"	Fine.	—	Calm
8. N.W. England	" " " "	"	"	—	"
9. N. Midlands	" " " "	"	"	—	—
10. N.E. England	N.W.; 5	Rather cold.	Fair, misty.	—	Slight.
11. E. Scotland	S.W. to W; 2 ~ 10	" "	Fair generally.	Good.	Smooth
12. S.W. Scotland	" " "	" "	" "	"	"
13. Isle of Man	" " "	" "	" "	"	"
14. N. & N.W. Scotland	S.W. to W.; 15	Moderate	Overcast.	—	Moderate
15. Hebrides	" " "	"	Overcast, showery, misty.	Ordinary	Slight
16. Orkneys and Shetlands	" " 37	"	" " "	"	"
17. N.W. Ireland	W. 2	Rather cold	Fine; frost and haze	—	Moderate
18. N.E. Ireland	S.W. to W.; 5 ~ 10	" "	Fair generally.	Good.	Smooth.
19. S.E. Ireland	Light variable	Cold.	Fine.	Exceptionally Good	Calm.
20. S.W. Ireland	" "	"	"	"	"



GENERAL INFERENCE from observations received up to 9 a.m.

There is an anticyclone over Ireland, while a large depression has developed over Scandinavia, centred near Bodö. Both are moving south, and light, indefinite winds will prevail over most of England and Ireland, becoming Westerly later, while over Scotland the winds will freshen somewhat from West. Fine weather is probable in the South, but less fine in the north. Pressure is again high over Iceland, and the Westerly winds are not likely to be of long duration over these Islands.

EXPLANATION

BAROMETER.—Isobars are dr intervals of five millibars.

WIND.—Direction is shown flying with the wind. Force, 0-12, is indicated by the feathers. Mean velocity is show per hour by figures in small cl

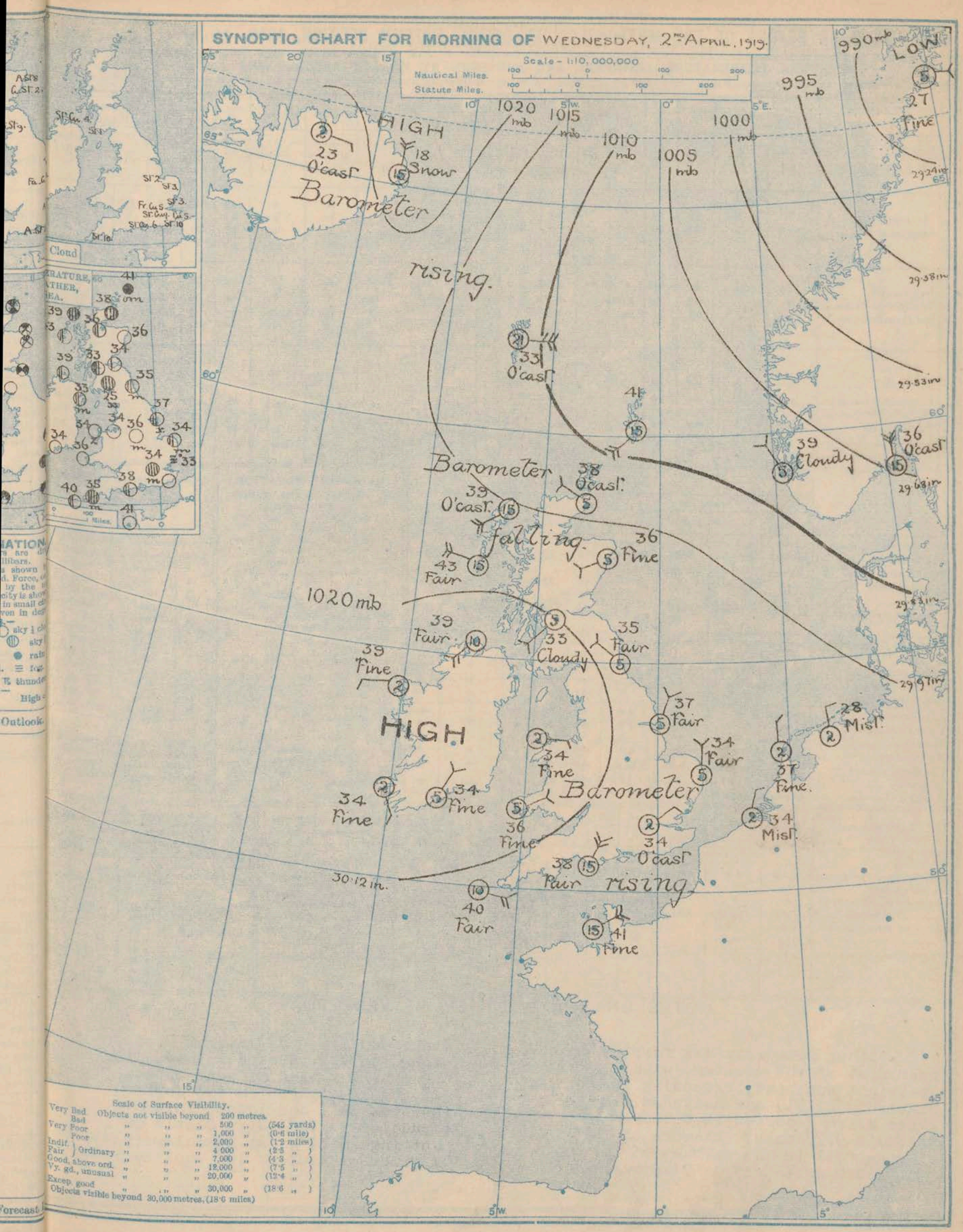
TEMPERATURE is given in deg

WEATHER SYMBOLS.—
clear sky. sky ½ clo
sky ½ clouded. sky
overcast sky. rain
snow. hail. fog.
T thunder. ⚡ thunde

SEA DISTURBANCE.—
Rough High

Districts.	Forecasts for the 24 hours commencing 3 p.m. Wednesday, 2nd April, 1919.	Further Outlook.
1. S.E. England	Light Northerly winds, backing and freshening to-morrow; fair generally; cold.	
2. E. England 3. E. Midlands	Light North-Westerly winds, freshening to-morrow; fair to-day, less fair tomorrow; cold.	
4. W. Midlands 5. S.W. England 6. South Wales	Light indefinite or North-Westerly winds; fine, local mist; cold.	
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Moderate West to North-West winds; cloudy, some sleet or snow showers to-morrow; cold.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Fresh Westerly winds; dull, some rain, sleet or snow; rather cold.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Fresh Westerly winds, veering to North-East by tomorrow; dull, some rain at first, snow later; moderate temperature, becoming cold later.	
17. N.W. Ireland 18. N.E. Ireland	Moderate North-Westerly winds; cloudy, some rain or sleet showers; rather cold.	
19. S.E. Ireland 20. S.W. Ireland	Light indefinite or North-Westerly winds; fine, cold.	

Meteorological Office, Exhibition Road, London, S.W. 7. H. G. LYONS, Col., Director. R. G. K. LEMPFERT, C.B.E., Superintendent Forecast


SYNOPTIC CHART FOR MORNING OF WEDNESDAY, 2ND APRIL, 1919.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
HIGH
Barometer rising.
Barometer falling.
HIGH
Barometer rising
LOW
990 mb
995 mb
1000 mb
1005 mb
1010 mb
1015 mb
1020 mb
1020 mb
30·12 in.
29·24 in.
29·38 in.
29·53 in.
29·68 in.
29·83 in.
29·97 in.
23 O'cast
18 Snow
27 Fine
33 O'cast
39 Cloudy
36 O'cast
38 O'cast
39 O'cast
36 Fine
43 Fair
39 Fair
39 Fine
33 Cloudy
35 Fair
37 Fair
28 Mist
34 Fair
34 Fine
34 Fine
34 Fine
36 Fine
37 Fine
34 Mist
34 O'cast
38 Fair
40 Fair
41 Fine
Cloud
Scale of Surface Visibility.
Very Bad Objects not visible beyond 200 metres
Bad
Very Poor " " " 500 " (545 yards)
Poor " " " 1,000 " (0·6 mile)
Indif. " " " 2,000 " (1·2 miles)
Fair } Ordinary " " " 4,000 " (2·5 ")
Good, above ord. " " " 7,000 " (4·3 ")
Vy. gd., unusual " " " 12,000 " (7·5 ")
Excep. good " " " 20,000 " (12·4 ")
Objects visible beyond 30,000 metres, (18·6 miles)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 92. (Wednesday April 2nd)

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

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 31st.	Rainfall. Day. 9h-17h. 1st.	Sunshine. to 17h. 1st.	Sunshine. Sunrise to Sunset. 31st.
Scotland,	Banff	d.cp	d.	44	35	1·3	–	9·5	0·7
	St. Andrews ...								
England, N.E.	Harrogate	b	b	45	30	–	–	5·9	*
	Skegness	bc.b	b	43	27	4	–	7·7	6·7
England, E.	Felixstowe	bcm	bcm	44	28	–	–	8·9	6·0
	Walton-on-Naze...	*	*	43	29	0·1	–	8·9	6·2
	Southend-on-Sea...	f.bm	b	48	31	–	–	7·8	*
England, S.E.	Margate	b	b	44	30	3	–	7·9	4·3
	Ramsgate	*	*	44	29	–	–	8·8	5·3
	Hastings								
	Eastbourne... ...	b	b	47	29	–	–	10·0	6·4
	Worthing	b	b	47	28	–	–	9·0	6·3
	Bournemouth ...	*	*	47	29	–	–	1·0	6·8
England, N.W.	Southport	e.bc.o.c	c.bc.c	46	32	–	–	3·5	9·1
Midlands.	Buxton	*	*	39	28	2	0·3	2·0	6·2
	Leamington Spa...	bc	bc	47	28	–	–	7·5	7·7
	Malvern	bc	bc	45	31	0·2	–	8·5	9·0
	Ross-on-Wye ...	xozoc	c.o.bcy	46	27	–	–	4·9	6·6
Wales.	Rhyl	bKc	g	42	31	–	6	1·8	6·1
	Colwyn Bay ...	*	*	40	33	5	–	2·3	5·5
	Llandudno	b.o	c.b	42	32	6	–	5·6	7·3
	Aberystwyth ...	*	*	44	37	*	3	3·2	*
England, S.W.	Weymouth								
	Torquay	c.bc	bc.b	46	32	0·1	–	7·1	1·6
	Penzance	bcps	bc	46	34	3	1	4·5	8·3
	Newquay	phs.b	b	43	33	3	0·3	6·3	3·7
	Weston-s-Mare ...	bc.b	bcpc	48	34	–	–	5·0	6·5

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-12h. 1st.	Weather 12h-18h. 1st.	Weather 18h. 1st.-1h. 2nd.	Weather 1h-7h. 2nd.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h.	Rainfall. Night. 18h-7h.	Sun. Hours.
†Houton Bay (Orkney)...	b.bc	bc.b.bc.	c.o	omr	43	31	*	*		*
Eskdalemuir	bcz.cps	cprh.bc.c	b.bc	b.bc.cx	42	22	16	1		5·7
†Stranraer	bx.c.o	b.bc	b.bc							
†Lough Foyle	c.o	c.b.bc	*	bc.c	42	33	*	*		*
Valencia (Cahirciveen) ...	bc.b.bc.	bcprh.bc	bc	b	46	?31	28	trace		9·7
†Anglesey (Llangefni) ...	*	*	b.bc ~					*		
Falmouth	os.c.os	rsh.bc	o.o.b.bc	b.bc.c.o	46	32	23	6		5·0
†Calshot (Hants)	bz.bc.cz	c.bc-c	*	bc.c	44	28	*	*		*
†Capel (Folkestone)... ...	*	c.b.bcz	*	?	41	29	*	*		*
Aberdeen	oprh.o	bc.b	*	bz	45	32	28	1		4·0
†East Fortune	c.oq	bc.cv.	b.bcx	bx	44	30	*	*		*
†Howden	prs.c.o	*	*							
†Felixstowe	oq.of	bxz	bz	zx	44	30	*	*		*
†Cranwell (Lincs) ...	om	bc.c.b.bc	b.bc	b.bcx	45	28	*	*		*
Benson	b.bcy	bcpsy	*	fex	46	29	19	0·4		*
London (Kew Obsy.) ...	fx.omgf	fo.fnch	bm	c.omp.b.omx	41	30	21	0·3		0·4

BEAUFORT NOTATION.

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.
e wet air without rain falling.
f fog. g gloom.
h hail. l lightning.
m mist.
o overcast sky.
p passing showers.
q squalls.
r rain.
rs sleet, *i.e.*, rain and snow together.
s snow.
t thunder.
u ugly, threatening sky.
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.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Limits of Velocity. 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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

LONDON. OBSERVATIONS.

24 Hours ended 9h G.M.T. 2nd

	Weather. Morning	Weather. Afternoon.	Weather. Night	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours. Yesterday.	Humidity % 15 h. G.M.T. Yesterday.	Humidity % 9 h. G.M.T. To-day.
Greenwich (Royal Observatory)	f.cz	cz	bx	47	30	19	–	3·0	66	85
City (Bunhill Row)	*	*	*	*	*	*	*	1·3	*	*
Westminster (St. James's Park)	*	*	*	43	31	26	1	0·0	76	87
" (Admiralty Arch)	fgx	fgops	c.bc.bx	44	34	*	0·2	0·6	71	84
Camden Sq. (British Rainfall)	mo	s.o	*	44	29	27	1	0·8	70	87
Kensington Palace	oSf	oSf	*	41	30	19	1	*	*	84
Richmond Park	*	*	*	*	*	*	*		*	*

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total ....206.... joules.

Average Rate. 45 Milliwatts.

Maximum Rate. 15 " "

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

April 2nd & 3rd 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth ...	5.28	11.57	6.26
	5.26	11.57	6.28
Greenwich	5.36	12.4	6.32
	5.34	12.4	6.34
Wick ...	5.40	12.16	6.52
	5.38	12.16	6.54
Valencia ...	6.17	12.48	7.13
	6.15	12.48	7.15

NOTES ON THE WEATHER OF YESTERDAY.

Weather yesterday was fair or fine over most of the country, with a good deal of bright sunshine, exceeding 10 hours at Castlebay (11.1) and Holyhead (10.9), while Nairn reported 10.0 hours and Valencia 9.7 hours. Showers of rain, hail or snow fell in the north-west but nowhere exceeded 6 mm.(Rhyl). Temperatures continued low, the maximum nowhere exceeding 47° (Roches Point), while the minima ranged closely about 32°, being highest in the north (Lerwick 38°) and lowest inland (Eskdalemuir 22°, Birr Castle 26°, Nottingham 27°). At Eskdalemuir a grass minimum of 16° was recorded.

† Air Ministry Station

* Information for these columns not usually received.

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METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No 20,951 B ..THURSDAY 3RD APRIL.....1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form.	Upper Cloud. Amt. 0-10.	Sea 0-9.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form.	Upper Cloud. Amt. 0-10.	Sea 0-9.
	13H G.M.T. of .....2ND.....														18H. G.M.T. of .....2ND.....													
†Houton B. (Orkney)	1012.2	+1	W	6	42	0m	98	3	½-1000	Nb	6	–	–	4	1014.1	+2	ENE	6	36	rf,	98	0	<500	Nb	10	–	–	3
†Eskdalemuir ...	1019.0	–1	WNW	4	44	0	65	6	2-3000	Cu	9	Ci.Cu	1	*	1018.4	–1	WNW	5	40	0	75	7	–	St	10	–	–	*
†Stranraer ...	1020.0	0	NNW	3	48	bc	65	7	3-4000	St.cu	3	Ci.St	2	–	1019.2	–1	–	0	44	0	75	7	½-2000	St	10	–	–	–
†Lough Foyle ...	1021.1	–2	WSW	5	45	bc	87	7	2-3000	Cu	2	Ci.St	3	3	1019.7	–2	WSW	6	43	Fo	98	6	2-3000	Nb	10	–	–	3
Valencia (Cahire'n)	1024.1	+1	NW	3	47	b	65	10	3-4000	Cu	1	Ci.Cu	2	3	1024.0	0	NW	3	46	b	65	–	3-4000	Cu	1	Ci.Cu	3	3
†Anglesey (Llangefni)																												
Falmouth ...	1020.8	+1	ESE	2	48	bc	55	6	–	St.Cu	3	A.Cu	2	*	1021.0	+1	N	3	45	bc	–	–	–	–	–	–	–	*
†Calshot (Hants) ...	?	+1	NNE	2	44	c	82	7	2-3000	St.cu	6	–	–	4	?	+1	N	2	45	om,	87	5	2-3000	St.	10	–	–	3
†Capel (Folkestone)	1019.1	+1	E	3	43	c	75	5	2-3000	Cu		A.Cu		2	1020.1	+3	W	2	40	b	?	2	2-3000	St	3	–	–	–
Aberdeen ...	1015.2	–1	W	4	46	0	55	7	–	St.cu	9	–	–	2	1014.9	0	W	3	45	0	65	7	–	St.cu	9	–	–	2
East Fortune ...	1017.5	–1	W	5	47	bc	65	5	5-7000	St.cu	3	Ci.St	4	*	1013.0	0	W	4	44	0	75	4	3-4000	St.cu	5	–	–	*
Howden ...	1019.7	0	W	2	45	c	55	4	5-7000	St.cu	3	Ci.St	2	*	1018.8	0	W	3	44	bc	65	6	5-7000	St.cu	3	Ci.Cu	2	*
Felixstowe ...	1020.4	0	ESE	3	43	b	87	7	–	Cu	3	–	–	2	1020.5	+1	–	0	41	b	98	6	–	Cu	1	–	–	2
Cranwell (Lincs)														*	1019.2	+2	–	0	41	om2	82	3	2-3000	St	10	–	–	*
Benson ...	1019.4	–1	NE	2	47	b	55	6	–	–	–	–	–	*	1019.5	+1	NNE	1	45	b	65	7	–	Cu	2	–	–	*
London (Kew Ob.)	1019.9	0	ENE	1	44	c2	65	5	–	St	6	A.St	2	*	1019.8	+1	WNW	1	47	02	55	5	–	Cu	5	–	–	*
	1H. G.M.T. of .....3RD.....														7H. G.M.T. of .....3RD.....													
†Houton B. (Orkney)	1016.0	+3	ESE	4	31	0	92	5	1-1500	Nb	10	–	–	3	997.4	+2	ENE	4	31	0	92	7	2-3000	St.cu	8	A.St	2	2
†Eskdalemuir ...	1018.5	0	WSW	3	39	do	98	4	–	St.	10	–	–	*	1018.1	0	–	0	38	om	98	4	½-1000	Nb	10	–	–	*
†Stranraer ...	1018.9	0	SSW	1	43	c	65	5	1-1500	St	5	–	–	–	1018.2	–1	–	0	42	0	98	7	1½-2000	St	10	–	–	–
†Lough Foyle ...															1019.6	0	W	4	42	Fo	98	5	1½-2000	Nb	10	–	–	2
Valencia (Cahire'n)	1023.9	0	NNE	2	43	bc	–	–	–	–	–	–	–	–	1023.0	–1	NNE	2	40	c	98	8	½-1000	St.cu	7	–	–	2
†Anglesey (Llangefni)																												
Falmouth ...	1022.9	0	NNE	2	36	b	98	5	–	–	–	–	–	*	1022.8	0	NNE	1	34	bemx	98	5	–	–	–	–	–	*
†Calshot (Hants) ...	1021.6	0	NNW	2	36	b	98	4	–	–	–	–	–	2	1022.2	+1	NNW	1	31	b	98	3	–	–	–	–	–	2
†Capel (Folkestone)															1021.9	0	WNW	2	36	b	82	5	4-5000	St.	2	–	–	2
Aberdeen ...	1015.7	+3	NW	2	38	d,	98	2	1-1500	Nb	10	–	–	–	1018.0	+3	E	4	38	od,	98	3	–	Nb	10	–	–	2
East Fortune ...	1013.7	0	WSW	3	42	0	87	–	3-4000	Cu.Nb	5	–	–	*	1017.3	0	–	0	41	0	92	4	2-3000	St.cu	10	–	–	*
Howden ...														*														*
Felixstowe ...	1021.4	0	SW	1	36	em	98	–	–	–	–	–	–	2	1021.4	0	NW	1	34	f,	98	1	–	–	–	–	–	2
Cranwell (Lincs)	1020.3	0	WSW	2	32	c	87	4	2-3000	St.	4	A.St	3	*	1020.0	+1	WSW	2	35	0	87	5	3-4000	St	5	A.St	4	*
Benson ...														*	1021.3	+1	–	0	29	em	98	2	–	–	–	–	–	*
London (Kew Ob.)														*	1021.8	+2	–	0	32	bc	98	1	–	St.cu	4	A.Cu	1	*

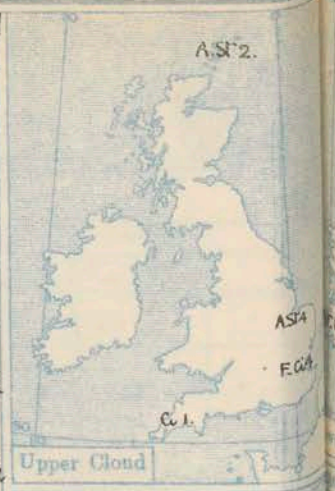
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather	Barometer. at M.S.L. m.b.	‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	13H G.M.T. of .....2ND.....					7H. G.M.T. of .....3RD.....									24 HOURS ENDED 7H. .....3RD.....						.....2ND.....
Lerwick ...	1015.4	34	N	4	om	1020.2	+1	32	–9	NNE	3	–	om	2	0.1	42	31	om	om	ompth	*
Stornoway ...	1014.1	45	W	3	c	1016.6	+1	40	+1	NE	1	–	0	1	2	48	39	op	op.c	bc.op	1.1
Castlebay (Barra's)	1016.2	45	WNW	4	0	1016.7	0	42	–1	NW	2	–	0	2	1	45	41	bc.op	op.o	o.bc.o	1.3
Glasgow ...	1017.7	42	WSW	3	0	1017.4	0	40	+7	W	2	W	cm	*	0.3	45	32	c.od.pc	c.odp	odp.cm	2.8
Malin Head ...	1018.4	44	WSW	4	c	1016.9	0	44	+5	W	3	W	cp	3	1	47	36	bc	bc	cp	5.9
Blacksod Point	1021.2	45	WSW	4	ogs	1020.4	0	43	+4	WSW	3	–	cg	3	2	48	33	bcv	cgv	ogp.og	*
Roche's Point ...	1022.7	48	N	2	c	1023.0	–1	40	+6	–	0	–	0	1	–	51	34	b	b.bc.c	b.o	*
Tiree Castle ...	1021.3	50	WNW	2	c	1020.9	*	41	+14	W	1	–	0	*	–	51	?27	c	c	c.o	9.0
Donaghadee ...	1018.8	47	W	3	om	1017.7	0	42	+9	W	2	–	om	2	–	51	32	bcm	bcm	cgm.om	*
Liverpool (Bidston)	1020.6	41	WNW	2	b	1019.9	–1	39	+5	SW	2	W	0	1	–	45	34	b.bc	b	bc.o	10.8
Holyhead ...	1021.2	44	N	1	b	1019.9	–1	34	0	W	4	–	opd.m	2	0.1	49	34	b.bc.b	b	b.bc.op	10.6
Pembroke (St. Ann's Head)	1021.9	44	N	2	bc	1022.1	0	42	+6	W	1	–	c	1	–	47	35	b	b.bc	b.bc.c	10.0
Scilly (St. Mary's)	1021.5	44	NNE	4	b	1023.1	0	41	+1	NNE	1	–	bc	2	–	48	40	bcm	bcm.b	b.bc	10.2
Jersey (St. Aubin)	1019.0	45	NE	4	b	1021.8	0	37	–4	NE	1	–	b	1	0.1	48	35	b	b.bcp.b	bwx	11.0
Portland Bill ...	1019.7	44	W	1	b	1021.2	0	38	0	NE	1	–	bm	2	–	45	34	bc	bc.b	bc	*
Dungeness ...	1018.6	42	NE	3	b	1020.9	0	31	–4	NNW	2	–	b	2	–	47	30	c.b	b	b.bx	*
Wick	1013.8	42	NW	2	omp	1018.9	+3	37	–1	E	2	–	omg	3	2	45	36	og	og.omp	ow.omg	*
Nairn	1014.1	44	SW	1	c	1017.3	*	38	+2	NE	1	–	em	1	1	47	35	bc.c.cg	cg	cgme	1.4
Leith	1017.4	44	W	2	0	1016.9	0	42	+8	WSW	1	–	0	2	–	47	34	bm.bc.c	c.og.o	og.omo	*
Tynemouth ...	1016.7	48	NW	2	bcm	1016.9	0	42	+7	WNW	2	–	om	3	–	50	35	bcm	bcm	om	*
Spurn Head ...	1018.8	41	S	2	bc	1019.3	0	38	+1	W	1	–	om	1	–	45	35	bc	bc	bqm	7.2
Yarmouth (Haven)	1019.4	40	SSW	1	bc	1019.5	0	34	0	WNW	2	–	bf	3	–	45	31	bcm	bc	bmf	10.2
Clacton-on-Sea	1020.0	41	SE	2	bc	1021.2	+3	32	–1	W	2	–	bcm	1	–	45	30	b.bc.cm	bcm	bcm	10.3
Nottingham ...	1019.7	43	WNW	2	bcm	1020.0	*	35	–1	WSW	2	–	om	*	–	48	31	bcm	bcm	bcm.b	5.2

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARY OF CONDITIONS AT 7 A.M. Thursday, 3rd April, 1919.

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Calm to N.W.-W. 5	Very cold.	Fine; mist locally.	Variable	Smooth.
2. E. England	Calm to W. 5	Cold.	Fine; light fog locally	Poor	"
3. E. Midlands	" "	Rather Cold	Overcast, misty	Ordinary	—
4. W. Midlands	" "	" "	Overcast.	—	—
5. S.W. England	N. 2-5	Cold	Fine; local mist, frost and fog at (Plymouth	Variable	Smooth
6. South Wales	W. 2.	Moderate	Cloudy	—	Very smooth
7. North Wales	W. 15.	Cold.	Overcast, misty, showery	—	Smooth.
8. N.W. England	S.W. 5-10	Rather cold.	Overcast.	—	Very smooth
9. N. Midlands	" "	" "	"	—	—
10. N.E. England	W. 5.	Moderate	Overcast, misty.	Ordinary	Slight
11. E. Scotland	Calm to N.E. 10.	"	Overcast, mist locally	Below ordinary	Smooth
12. S.W. Scotland	Calm to W. 5.	"	Cloudy to overcast, mist locally	Above ordinary	Slight
13. Isle of Man	" "	"	" " " "	" "	"
14. N.&N.W. Scotland	E. 2-5.	"	Overcast, misty.	—	Smooth
15. Hebrides	N.E. 2	"	" "	Very good	"
16. Orkneys and Shetlands	E. to N. 10-15	Rather cold	" "	—	"
17. N.W. Ireland	W. 5-10	Moderate	Cloudy to overcast; showery	Ordinary	Slight
18. N.E. Ireland	" "	"	" " "	—	—
19. S.E. Ireland	Light variable	Rather cold	Cloudy to overcast.	Ordinary	Smooth
20 S.W. Ireland	" "	" "	" "	Except. good.	—



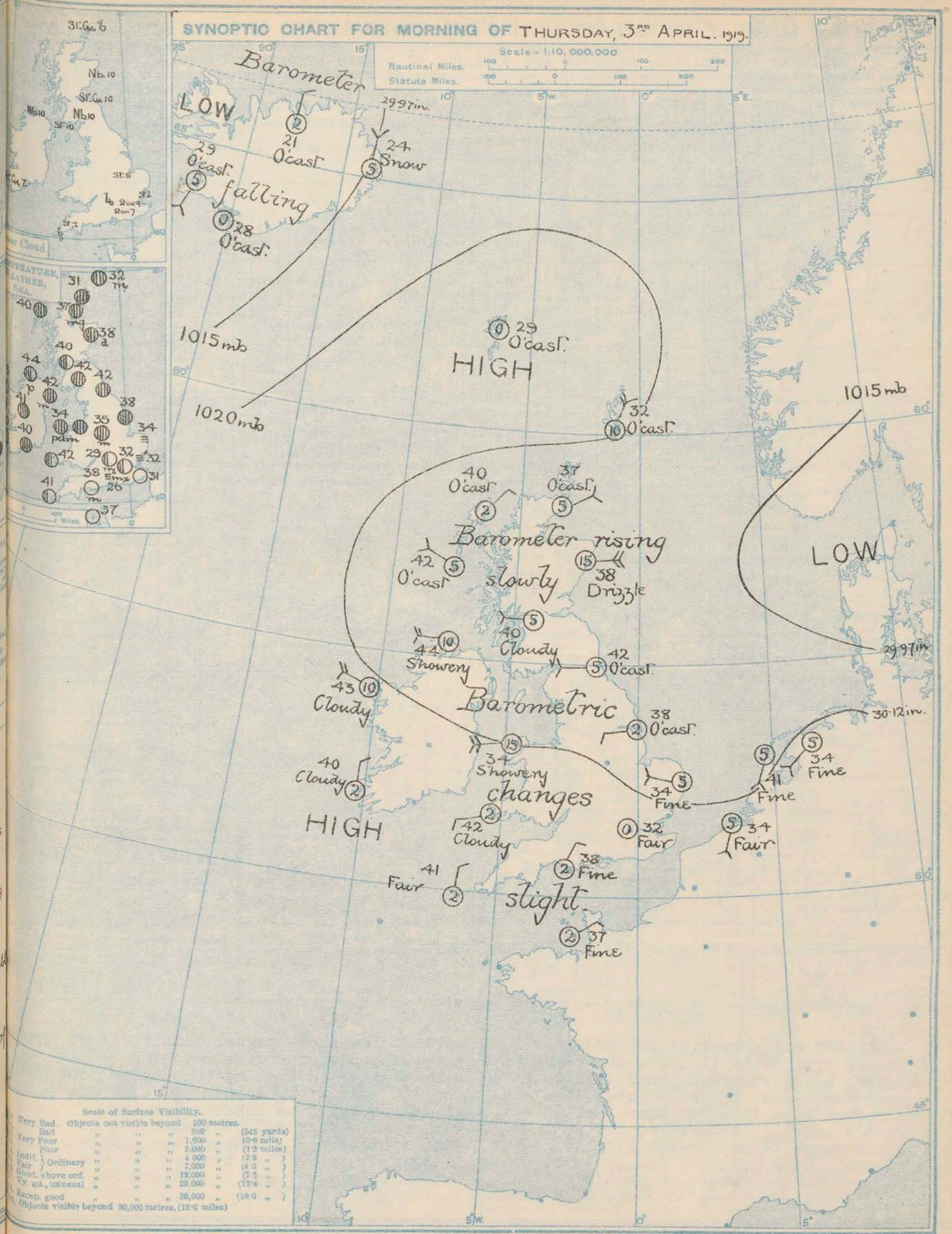
EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS.—
clear sky. sky ¼ clouded. sky ½ clouded. sky ¾ clouded. overcast sky. rain falling. snow. hail. fog. T thunder. R thunderstorm.
SEA DISTURBANCE.—
Rough High

GENERAL INFERENCE from observations received up to 10 a.m.

An anticyclone lies north of the Azores, and extends towards these islands, but over Scotland there is a secondary of a large depression over Scandinavia. This secondary is moving S.E.wds. slowly and will cause cloudy weather and slight showers over most of the United Kingdom, but it is filling up, and anticyclonic conditions will probably be re-established gradually.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Thursday, 3rd April, 1919.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Light indefinite winds; cloudy, occasional drizzling rain, some mist. Rather cold.	Light N.ly breezes and fair but cold weather will probably return over most of the country.
7. North Wales 8. N.W. England 9. N. Midlands	Moderate N.ly winds; dull, local rain or sleet showers, some mist. Rather cold.	
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	Light N.E.ly or E.ly winds; dull, local showers of rain or snow. Cold.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Light winds between W. and N.; cloudy, local showers. Rather cold.	

Meteorological Office, Exhibition Road, London, S.W. 7. H. G. LYONS, Col., Director. R. G. K. LEMPFERT, C.B.E., Superintendent Forecast Division.


SYNOPTIC CHART FOR MORNING OF THURSDAY, 3RD APRIL. 1919.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
Barometer falling
LOW
29.97in.
1015mb
1020mb
HIGH
Barometer rising slowly
Barometric changes slight.
LOW
1015mb
29.97in
30.12in.
HIGH
Scale of Surface Visibility.
Very Bad Objects not visible beyond 200 metres.
Bad " " " 500 " (545 yards)
Very Poor " " " 1,000 " (0·6 mile)
Poor " " " 2,000 " (1·2 miles)
Indif. Fair Ordinary " " " 4,000 " (2·5 ")
Good, above ord. " " " 7,000 " (4·3 ")
V.y. gd., unusual " " " 12,000 " (7·5 ")
Excep. good " " " 20,000 " (12·4 ")
Objects visible beyond 30,000 metres. (18·6 miles)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 93. Thursday April 3rd

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

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h.-9h. 1st	Rainfall. Day. 9h.-17h. 2nd	Sunshine. to 17h. 2nd	Sunshine. Sunrise to Sunset. 1st
Scotland, N.	Banff	c.o	o.c.o	46	30	–	–	1.6	10.0
	St. Andrews	b	c	48	29	–	–	5.8	1.0
England, N.E.	Harrogate	bc	bc	48	30	–	–	9.9	6.5
	Skegness	b	b.bc	45	28	–	–	9.1	8.5
England, E.	Felixstowe	bcm	bc	45	30	0.1	–	9.1	8.9
	Walton-on-Naze	*	*	45	30	0.2	–	9.9	8.9
	Southend-on-Sea	bc.b	b	48	30	–	–	7.0	*
England, S.E.	Margate	b	b	45	38	1	–	9.1	8.7
	Ramsgate	*	b	44	35	–	–	9.5	10.0
	Hastings	bc	op.bc.b	48	32	–	0.2	7.0	10.5
	Eastbourne	b	b	47	32	–	–	9.5	9.0
	Worthing	*	*	48	30	–	–	8.0	1.0
	Bournemouth								
England, S.W.	Southport	c.bc.b	b	45	29	–	–	9.8	3.5
Midlands.	Buxton	*	*	42	28	–	–	6.2	2.0
	Leamington Spa	bcm.c	bc.c.b	47	31	–	–	6.1	7.5
	Malvern	z	z	46	33	–	–	9.5	9.5
	Ross-on-Wye	x.bm.cx	o.bcyz	50	29	0.2	–	7.4	5.6
Wales.	Rhyl	c.bc.b	b.bc	44	26	–	–	8.4	1.8
	Colwyn Bay	*	*	45	29	–	–	8.5	2.7
	Llandudno	b	b	46	29	–	–	9.1	5.9
	Aberystwyth	c.b	b	44	37	*	–	9.0	5.2
England, S.W.	Weymouth								
	Torquay	b	b	46	34	–	–	9.2	7.6
	Penzance	bc.b	b	50	35	1	–	9.7	5.3
	Newquay	b	b	45	32	2	–	8.7	6.4
	Weston-s-Mare	bc.b	bc.b	50	32	–	–	8.0	5.0

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h.-13h. 2nd	Weather 13h.-18h. 2nd	Weather 18h. 2nd-1h. 3rd	Weather 1h.-7h. 3rd	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h.-18h.	Rainfall. Night. 18h.-7h.	Sun. Hours.
†Houton Bay (Orkney)	c p.	r.	s, om	om.bc.c	44	31	*		*	
Eskdalemuir	ox.c bc.c.o	o.op c.o	om.op.o	o.p.o.dm	45	25	35	1		5.0
†Stranraer	b.bc	c.o	o /	c	54	25	*	*		*
†Lough Foyle	bc.c	c.o	b.c W	p.	46	38	*	*		*
Valencia (Cahirciveen)	b.bcyv	b.bcv	bc	b.bc.op	48	34	34	trace		11.4
†Anglesey (Llangefni)	*	*	*							
Falmouth	omc.bc	bc.bcy	b.bc.b	b.bcexm	49	31	21	–		9.4
†Calshot (Hants)	bc.cz,	o	bz,	bz,	48	28	*	*		*
†Capel (Folkestone)	bc.cz,	q.c.o	*	b.bcz,	44	30	*	*		*
Aberdeen	bz.bc.c	c.om.o	bc.cv	om.opd,	47	35	36	0.4		2.5
†East Fortune	b.bc	c.o	bc.c	com	48	31	*	*		*
†Howden	b.bc f,	b.bcv	*							
†Felixstowe	b.bcprh	b.bc V	bz,	fx	45	29	*	*		*
†Cranwell (Lincs)	*	*	*	bc.c	48	30	*	*		*
Benson	o.bc	bc	*	b.bcmx	48	24	17	–		*
London (Kew Obsy.)	mx.omc.c	c.bcy	bm	bcz.bcmx	47	30	21	–		4.7

BEAUFORT NOTATION.

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.
e wet air without rain falling.
f fog. g gloom.
h hail. l lightning.
m mist.
o overcast sky.
p passing showers.
q squalls.
r rain.
rs sleet, *i.e.*, rain and snow together.
s snow.
t thunder.
u ugly, threatening sky.
v unusual visibility.
w dew.
x hoar frost.
y dry air; humidity less than 50 per cent.
z dust haze; the turbid atmosphere of dry weather.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Limits of Velocity. 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	28·5–32·5
12	Above 75	32·6 or above

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

LONDON OBSERVATIONS.

	Weather. Morning	Weather. Afternoon.	Weather. Night.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours. Yesterday.	Humidity % 10 h. G.M.T. Yesterday.	Humidity % 18 h. G.M.T. Today.
	24 Hours ended 18 G.M.T. 3rd									
Greenwich (Royal Observatory)	c	c	bmx	49	27	19	–	5.8	58	63
City (Bunhill Row)	*	*	*	*	*	*	*	3.5	*	*
Westminster (St. James's Park)	*	*	*	49	28	21	–	3.2	62	81
" (Admiralty Arch)	cm.bc	bcm	bcm.bx	49	33	*	–	3.7	58	80
Camden Sq. (British Rainfall)	o.c	bc	*	50	27	26	–	6.6	59	70
Kensington Palace	ox	oz.bc	*	47	29	19	–	*	*	77
Richmond Park	*	*	*	*	*	*	*		*	*

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total ....682..... Joules.

Average Rate 14·9 Milliwatts

Maximum Rate 51 " "

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

April 3rd & 4th ..... 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.36 5.24	11.57 11.58	6.28 6.29
Greenwich	5.34 5.32	12.4 12.3	6.34 6.35
Wick	5.38 5.35	12.16 12.15	6.54 6.56
Valencia	6.15 6.13	12.45 12.44	7.15 7.16

NOTES ON THE WEATHER OF YESTERDAY.

Weather was very fine yesterday over England, from 10 to 11 hours of bright sunshine being recorded generally except in the north-east (5 to 7 hours). Ireland was rather less fine but Birr Castle recorded 9 hours. In Scotland the weather was cloudy or overcast with slight showers, hail at Lerwick, and only one to three hours of sunshine; the totals of precipitation, however, nowhere exceeded 2 mm. Temperatures were on the whole higher than those of the preceding day, the rise reaching 14° at Birr Castle; in Ireland the maxima rose to 51°F. and at Tynemouth 50°F. Minima of 25° occurred at Eskdalemuir and Stranraer, and of 24° at Benson; at the latter station the temperature on the grass fell to 17°F. Mist or fog was extensively developed in eastern England last night.

† Air Ministry Station. * Information for these columns not usually received.

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METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No. 20,952 B. ....FRIDAY. 4th...APRIL.....1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form.	Upper Cloud. Amt. 0-10.	Sea 0-9.
	13H G.M.T. of ....3rd.....													
Houton B. (Orkney)	1021.1	+1	E	4	34	om	87	6	3-4000	St	10	-	-	3
Eskdalemuir ...	1017.9	+5	SW	2	46	o	65	6	2-3000	Cu	10	-	-	*
Stranraer ...	1018.6	0	NNW	3	49	o	75	7	1½-2000	st.cu	7	Ci.st	3	-
Lough Foyle ...	1020.6	0	WNW	3	45	c	87	8	2-3000	Cu	3	A.st	4	2
Valencia (Cahire'n)	1023.0	0	NNW	3	49	c	75	8	1½-2000	Cu	8	-	-	3
Anglesey (Llangefni)														
Falmouth ...	1022.1	-1	NW	1	49	c	65	6	-	Cu	8	-	-	*
Falshot (Hants) ...	1021.3	-2	SSW	3	51	b	65	5	5-7000	Cu	3	-	-	8
Capel (Folkestone)	1021.1	0	SW	2	45	b	75	5	2-3000	Cu	2	-	-	1
Aberdeen ...	1020.0	+2	ESE	3	39	o	92	7	-	St	10	-	-	3
East Fortune ...	1017.9	0	ENE	2	43	o	92	7	4-5000	Nb	3	A.st	6	*
Lowden ...	1019.5	0	-	0	46	o	75	1	?	St	10	-	-	*
Felixstowe ...	1020.5	-2	SW	1	52	bc	75	6	4-5000	Cu	4	-	-	5
Cranwell (Lincs)														*
Benson ...	1019.6	-2	-	0	52	bc	40	6	-	-	-	-	-	*
London (Kew Ob.)	1020.6	-2	WNW	1	49	cz	55	5	-	st.cu	6	A.cu	2	*
	1H G.M.T. of ...4th...													
Houton B. (Orkney)	1019.7	-2	S	6	36	od,	98	5	1-1500	Nb	10	-	-	-
Eskdalemuir ...	1022.2	+1	NNE	1	38	om	98	4	-	St	10	-	-	*
Stranraer ...	1022.4	+2	-	0	34	f,	98	0	-	-	-	-	-	-
Lough Foyle ...														
Valencia (Cahire'n) ...	1027.6	+1	-	0	44	bc	-	-	-	-	-	-	-	-
Anglesey (Llangefni)	1022.3	+4	-	0	38	c	98	1	5-7000	St.cu	7	-	-	-
Falmouth ...														
Falshot (Hants) ...	1022.0	0	N	1	41	c	92	5	-	St.	8	-	-	*
Capel (Folkestone)														
Aberdeen ...	1020.8	-1	S	3	37	od.	98	4	1½-2000	St	10	-	-	-
East Fortune ...	1022.2	+3	-	0	40	o	98	-	3-4000	Nb	9	-	-	*
Lowden ...														*
Felixstowe ...	1021.6	0	NNW	1	41	o	98	-	-	St	10	-	-	1
Cranwell (Lincs)	1021.7	+3	-	0	39	o	87	4	2-3000	St.	10	-	-	*
Benson ...														*
London (Kew Ob.)														*

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form.	Upper Cloud. Amt. 0-10.	Sea 0-9.
	18H. G.M.T. of .....3rd.....													
Houton B. (Orkney)	1021.3	0	ESE	4	34	o	92	6	2-3000	st.cu	10	-	-	3
Eskdalemuir ...	1019.0	+2	-	0	42	om	92	6	-	St.	10	-	-	*
Stranraer ...	1019.2	+1	NNW	1	46	bcv	87	8	1½-2000	St	2	Ci.st	3	-
Lough Foyle ...														
Valencia (Cahire'n)	1023.4	+1	NNW	3	48	c	82	8	2-3000	St.cu	8	-	-	3
Anglesey (Llangefni)														
Falmouth ...	1020.6	-1	N	2	46	b	-	-	-	-	-	-	-	*
Falshot (Hants) ...	1020.2	-1	N	3	44	b	87	5	5-7000	Cu	2	-	-	3
Capel (Folkestone)	1020.0	-1	SW	2	41	om	75	3	-	-	-	-	-	2
Aberdeen ...	1020.9	+1	ESE	3	39	o	82	8	-	St.	10	-	-	3
East Fortune ...	1019.5	+1	E	2	42	o	92	4	4-5000	Nb	5	A.st	4	*
Lowden ...	1019.2	0	WSW	2	44	o	82	3	3-4000	-	-	-	-	*
Felixstowe ...	1019.9	0	SW	1	45	bc	92	4	4-5000	Cu	7	-	-	3
Cranwell (Lincs)	1009.7	0	-	0	46	o	75	4	-	-	-	A.st	7	*
Benson ...	1019.3	0	N	1	46	o	55	5	-	st.cu	10	-	-	*
London (Kew Ob.)	1019.4	0	-	0	47	om	65	3	-	st.cu	5	A.cu	5	*
	7H. G.M.T. of ....4th....													
Houton B. (Orkney)	1014.0	-7	SW	6	40	of,	87	5	½-1000	St	10	-	-	4
Eskdalemuir ...	1023.1	+1	-	0	36	ef,	98	0	½-1000	St	10	-	-	*
Stranraer ...	1023.7	+1	-	0	37	of,	98	0	1½-2000	St	9	-	-	-
Lough Foyle ...	1024.1	0	WSW	4	43	of,	98	0	-	-	-	-	-	3
Valencia (Cahire'n) ...	1026.1	+2	N	1	46	o	92	7	½-1000	st.cu	9	-	-	3
Anglesey (Llangefni)														
Falmouth ...	1022.8	+1	N	2	39	bz	98	6	-	St	1	-	-	*
Falshot (Hants) ...	1022.5	+4	NW	2	42	om	92	4	2-3000	st.cu	10	-	-	2
Capel (Folkestone)	1022.1	+2	NE	2	36	of,	98	2	-	-	-	-	-	2
Aberdeen ...	1019.4	-2	SSW	3	39	bz	40	2	-	-	-	c.cu	1	2
East Fortune ...	1022.0	0	-	0	40	o	98	1	-	-	-	-	-	*
Lowden ...														*
Felixstowe ...	1022.8	+1	-	0	40	of,	98	3	2-3000	St	10	-	-	3
Cranwell (Lincs)	1022.3	+2	-	0	39	om	98	3	1½-2000	St	10	-	-	*
Benson ...	1022.2	+2	-	0	39	of,	98	3	-	St	10	-	-	*
London (Kew Ob.)	1022.3	+3	-	0	42	of,	75	2	-	st.cu	10	-	-	*

STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather	Barometer. at M.S.L. m.b.	Barometer. ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	18H. G.M.T. of ...3rd.....					7H. G.M.T. of ...4th.....									24 HOURS ENDED 7a. ...4th...						.....3rd
Berwick	1021.5	35	ESE	2	o	1009.8	-6	40	+8	SSW	4	-	omf	3	2	40	31	om	o	omf	*
Stornoway ...	1018.7	44	ESE	1	c	1016.2	-3	46	+6	SW	5	-	odp	4	1	46	35	o.cp	c	c.odp	2.1
Castlebay (Barra's)	1019.2	46	NW	3	b	1020.6	0	46	+4	W	4	-	of	4	0.2	47	30	o.cp.o	o.c.b	bc.of	8.1
Glasgow ...	1019.2	43	ENE	2	c	1022.9	+1	39	-1	SW	2	-	o	*	0.1	48	36	o	o.cu.c	c.odpm	0.1
Malin Head ...	1020.0	45	WNW	3	cp	1022.5	0	44	0	WSW	3	NW	cg	2	0.3	48	40	bcp	bcp	bc	5.6
Blacksod Point	1022.1	46	NW	3	bc	1025.1	0	46	+3	WNW	1	-	om	2	1	49	43	cgp	bcp	om.omd	*
Roche's Point ...	1021.5	48	N	2	o	1025.2	+3	43	+3	NW	1	-	o	1	1	50	40	opo	opo	op.c.o	*
Birr Castle ...	1021.2	48	WNW	2	c	1025.0	*	44	+3	NW	1	-	f	*	1	51	41	cp	o.cp	c.od	1.9
Donaghadee ...						1023.2	+2	39	-3	WNW	2	-	bcm	1	1	48	38			cm.b.fm	*
Liverpool (Bidston)	1019.7	42	W	1	o	1023.2	+2	40	+1	W	1	-	bm	1	-	46	39	o	o	o.bm	0.0
Holyhead ...	1019.6	45	WSW	3	og	1023.2	+2	42	+8	N	2		b	0	1	47	34	opdmg	om.og	o.c.b.cw	0.0
Pembroke (St. Ann's Head)	1021.0	44	W	1	o	1023.6	+2	39	-3	N	1	-	b	0	-	48	39	c.o	o	o.c.b	1.7
Scilly (St. Mary's)	1022.1	47	N	2	cv	1022.8	0	45	+4	NNE	1	-	c	3	1	52	41	bc	bc.cv	op.c	9.1
Jersey (St. Aubin)	1020.2	46	N	2	b	1021.3	0	35	-2	N	2	-	bm	1	-	51	34	b	b	bwxm	11.5
Portland Bill ...	1019.8	45	W	2	b	1020.3	0	43	+5	NE	4	-	o	3	-	48	37	bc	b	c.o	*
Dungeness ...	1019.4	43	SW	2	b	1020.5	+1	38		NNE	2	-	b	2	-	47	30	b.bc	b	b.bx	*
Wick	1020.4	38	SE	3	omg	1014.9	-4	40	+3	SW	4	-	og	3	-	40	35	omg	omg	o.bc.og	*
Cairn	1019.0	41	-	0	c	1018.1	*	41	+3	WNW	2	-	cg	2	0.2	43	34	em.do	og	cg	0.0
Leith	1019.0	41	E	1	c	1022.1	0	40	-2	W	1	-	o	1	-	46	39	om.o.c	c.og.o.c	c.og.o	*
Lynemouth ...	1018.0	43	-	0	o	1021.6	0	39	-3	N	1	-	o	3	-	48	38	om	om	om	*
Spurn Head ...	1019.4	43	-	0	m	1021.5	+1	40	+2	WNW	1	-	of	2	-	43	37	om	om	omf	0.0
Yarmouth (Gorleston)	1019.2	43	NE	1	c	1021.4	+1	40	+6	-	0	-	f	2	-	51	34	bfbcm	bcm.cm	omf	
Clacton on-Sea	1019.6	44	SW	2	bc	1022.0	+3	41	+9	NNE	1	-	ogm	0	-	50	31	bcmz	bcz	bcz.om	9.7
Nottingham ...	1019.5	47	WNW	1	om	1022.7	*	38	+3	W	1	-	o	*	-	49	35	om	om	om	0.0

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

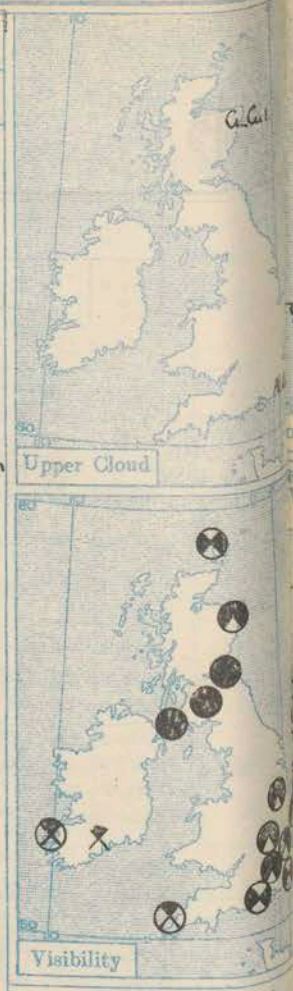
SUMMARY OF CONDITIONS AT 7 A.M. Friday, 4th April, 1919.

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Calm or NW-NE 5-7	Rather cold	Mainly overcast; mist or fog.	Poor to Ord.	Smooth.
2. E. England	Calm or NNE. 2	Moderate	Overcast; mist or fog	Poor.	"
3. E. Midlands	Variable airs	"	" " "	"	—
4. W. Midlands	" "	"	" " "	"	—
5. S.W. England	NNW. to NE. 5-15	Rather cold.	Variable cloud; local mist and fog.	Variable	Slight.
6. South Wales	N. 2	" "	Fine	Ordinary	Calm.
7. North Wales	N. 5	Moderate	"	"	"
8. N.W. England	W. 2	"	Fine, misty.	Poor	Very smooth
9. N. Midlands	Light airs	"	Overcast, misty.	"	—
10. N.E. England	" "	"	Overcast, mist or fog.	"	Slight.
11. E. Scotland	S. to W. 2-10	"	Variable cloud, mist locally.	Variable	"
12. S.W. Scotland	Calm or S.W. 5	"	Overcast, fog locally.	Very bad	Smooth.
13. Isle of Man	" "	"	" " "	" "	"
14. N.&N.W. Scotland	S.W. 15	"	Overcast.	—	Slight.
15. Hebrides	S.W to W. 15-20	Rather mild.	Overcast, some drizzle, fog locally	Poor	Moderate.
16. Orkneys and Shetlands	S.W. 35-42.	Moderate	Dull, some rain, mist or fog	"	"
17. N.W. Ireland	Light N.W. airs	"	Dull, some mist.	"	Smooth.
18. N.E. Ireland	WSW. to WNW 5-15	"	Fair to cloudy, some mist.	Very bad.	"
19. S.E. Ireland	NNW to N. 2-10	"	Variable cloud.	Ordinary	"
20 S.W. Ireland	" " "	"	Cloudy or dull	Good to very good.	Slight.

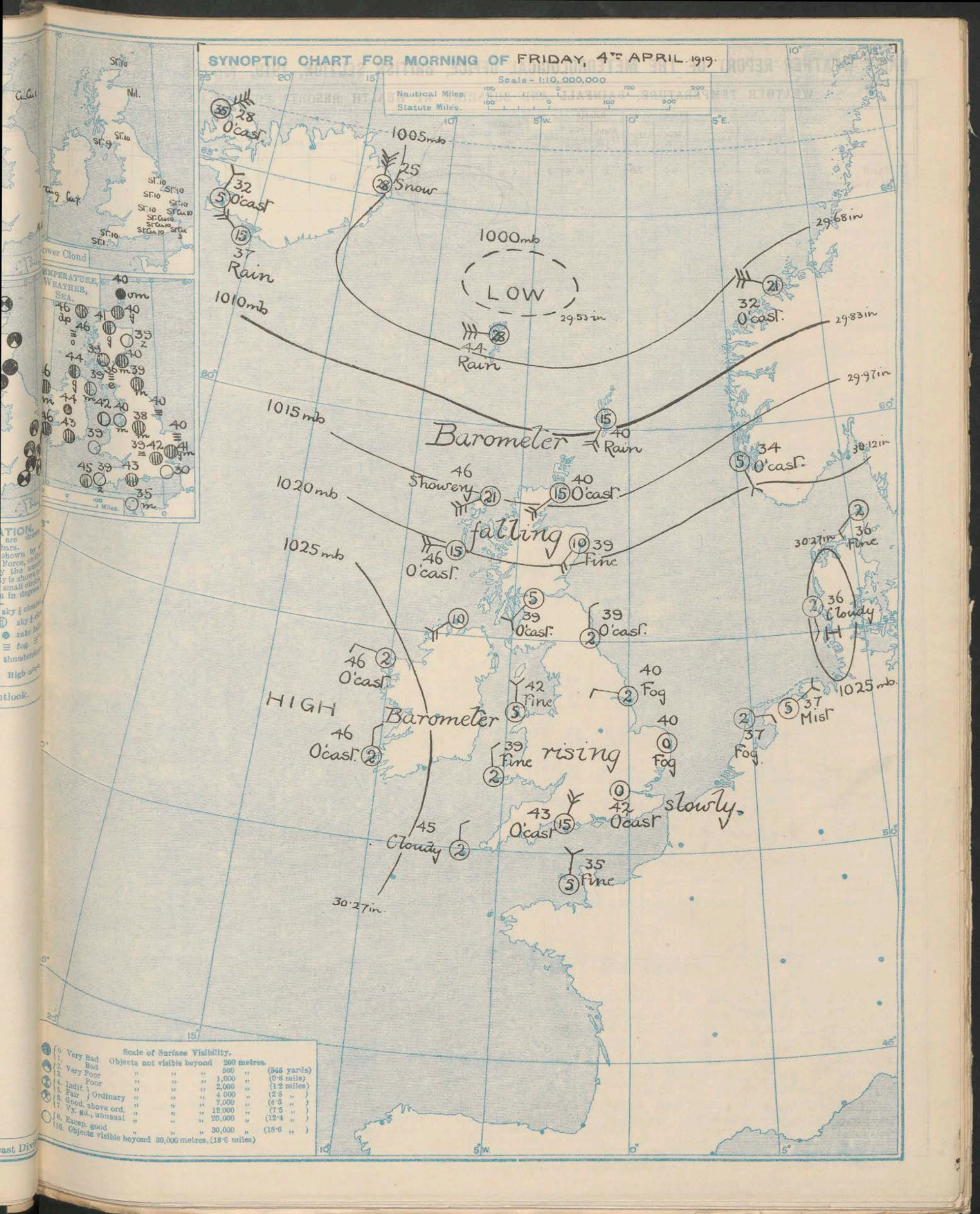
GENERAL INFERENCE from observations received up to 10 am

A high anticyclone lies north of the Azores and the isobar of 1025 mb. extends to Western Ireland. A new depression appeared over Iceland last night and moving E.S.E., now lies north of the Faeröe. Strong W^ly winds and rainy weather are probable in the north of Scotland and moderate W^ly winds with cloudy weather and some rain as far as Northern Ireland and England. In the south of the United Kingdom light N^ly winds and cloudy, misty weather, without rain, will probably continue.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Friday, 4th April 1919.	Further Outlook.
1. S.E. England 2. E. England 3 E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Light Northerly winds; cloudy, mist locally, increasing at night; rather cold.	
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Light winds between North-West and North; cloudy, occasional drizzling rain, mist locally; rather cold	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Moderate Westerly winds; dull, some rain, some mist; moderate temperature.	
14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Fresh or strong Westerly winds; dull rain at times, mist locally; moderate temperature.	
17. N.W. Ireland 18. N.E. Ireland	Same as Nos. 7 to 10.	
19. S.E. Ireland 20. S.W. Ireland	Light Northerly winds; cloudy, moderate temperature.	



EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by the way 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 degrees F.
WEATHER SYMBOLS.—
clear sky. sky ¼ clouded. sky ½ clouded. sky ¾ clouded. overcast sky. rain. snow. hail. fog. thunder. thunderstorm.
SEA DISTURBANCE.—
Rough. High seas.


SYNOPTIC CHART FOR MORNING OF FRIDAY, 4TH APRIL 1919.
Scale ~ 1:10,000,000
Nautical Miles
Statute Miles
1005mb
1000mb
LOW
29·53 in
1010mb
1015mb
1020mb
1025mb
Barometer falling
Barometer rising slowly
HIGH
29·68 in
29·83 in
29·97 in
30·12 in
30·27 in
1025 mb
28 O'cast
25 Snow
32 O'cast
37 Rain
44 Rain
32 O'cast.
40 Rain
34 O'cast.
46 Showery
40 O'cast.
46 O'cast.
39 Fine
36 Fine
36 Cloudy
39 O'cast.
39 O'cast.
46 O'cast.
42 Fine
40 Fog
37 Mist
46 O'cast.
39 Fine
40 Fog
37 Fog
43 O'cast
42 O'cast
45 Cloudy
35 Fine
Scale of Surface Visibility.
0. Very Bad Objects not visible beyond 200 metres.
1. Bad " " " 500 " (546 yards)
2. Very Poor " " " 1,000 " (0·6 mile)
3. Poor " " " 2,000 " (1·2 miles)
4. Indif. " " " 4,000 " (2·5 ")
5. Fair } Ordinary " " " 7,000 " (4·3 ")
6. Good, above ord. " " " 12,000 " (7·5 ")
7. V.y. gd., unusual " " " 20,000 " (12·4 ")
8. Excep. good " " " 30,000 " (18·6 ")
10. Objects visible beyond 30,000 metres, (18·6 miles)
Lower Cloud
Temperature, Weather, Sea.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 94. Friday April 4th

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

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 2nd	Rainfall. Day. 9h-17h. 3rd	Sunshine. to 17h. 3rd	Sunshine. Sunrise to Sunset. 2nd
Scotland,	Banff	od	o	40	36	2	0·5	0·0	1·6
	St. Andrews ...								
England, N.E.	Harrogate	c	bc	47	35	–	–	0·2	10·5
	Skegness	o	o	48	29	–	–	0·0	9·1
England, E.	Felixstowe	bm	bcm	51	31	0·1	–	8·9	9·6
	Walton-on-Naze...	*	*	49	32	0·1	–	9·0	10·6
	Southend-on-Sea...	bz. bc	bc.c	55	32	–	–	8·9	7·0
England, S.E.	Margate	b	b	48	34	–	–	8·8	9·9
	Ramsgate	*	*	47	30	–	–	8·6	10·5
	Hastings								
	Eastbourne	b	bc	49	27	–	–	9·5	7·5
	Worthing	b	b	49	29	–	–	10·2	9·8
	Bournemouth ...	*	*	52	28	–	–	10·5	8·0
England, N.W.	Southport	o	o	45	39	–	–	0·0	10·3
Midlands.	Buxton								
	Leamington Spa...	c.b	c.b.o	50	27	–	–	1·0	6·1
	Malvern	c	c	48	35	–	–	1·5	9·5
	Ross-on-Wye ...	bx.c.o	oy	52	26	–	–	2·5	7·4
Wales.	Rhyl	c.o	c.bc	41	33	–	–	0·4	9·2
	Colwyn Bay ...	*	*	47	39	–	–	0·2	9·8
	Llandudno	op	op	45	32	0·5	0·5	0·0	10·3
	Aberystwyth ...	o.c	o	44	39	*	–	0·0	9·6
England, S.W.	Weymouth								
	Torquay	b.bc	bc.c.o	50	32	–	–	7·0	10·0
	Penzance	bc	c.bc.b	53	33	–	–	6·5	10·2
	Newquay	b	b	48	29	0·1	–	8·8	9·3
	Weston-s-Mare ...	b.bc	bc.c	49	29	–	–	4·5	8·0

STATIONS.	Summaries for past 24 Hours. Weather 7h-13h 3rd	13h-18h 3rd	18h 3rd-1h 4th	1h-7h 4th	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)...	o.ps	oz₁	d	c.o	42	31	*	*		*
Eskdalemuir	om.c.o	om₁o	o.om	om.of₁e	47	33	31	0·2		0·0
†Stranraer	c.ro	bc.cv	f₁e	f₁e	50	30	*	*		*
†Lough Foyle	bc. cv			f₁	47	40	*	*		*
Valencia (Cahirciveen) ...	c.op.c.o	c	bc	b.bc.op	50	40	39	1		1·5
†Anglesey (Llangefni) ...			og							
Falmouth	bc.cyz	c.bcy	b.bc.c.o	b.o.c.bc	52	32	28	–		9·0
†Calshot (Hants)	b.bc	bz₁		om	51	29	*	*		*
†Capel (Folkestone)... ...	b.bcz	bc.c.om		bc.cz₂	45	34	*	*		*
Aberdeen	od₁ro	opd.o	pdo.o	opd.o.bz	40	37	31	1		0·0
†East Fortune	o		om	o	46	39	*	*		*
†Howden	c.of	of₁								
†Felixstowe	xf₁	b.bcz₁	b.bcz₁	of₁	53	33	*	*		*
†Cranwell (Lincs) ...		cf₁	om.o	om	48	37	*	*		*
Benson	b.bc	b.bc.oy			53	28	34	–		*
London (Kew Obsy.) ...	xf₁	cz.com	o	om. of₁	51	32	34	–		5·5

BEAUFORT NOTATION.

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.
e wet air without rain falling.
f fog. g gloom.
h hail. l lightning.
m mist.
o overcast sky.
p passing showers.
q squalls.
r rain.
rs sleet, *i.e.*, rain and snow together.
s snow.
t thunder.
u ugly, threatening sky.
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.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. 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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0 = slight, 2 = heavy. Underlining is used to express continuity.

LONDON. OBSERVATIONS.

24 Hours ended 9h G.M.T. 4th

	Weather. Morning	Weather. Afternoon	Weather. Night	Max. Temp °F.	Min. Temp °F.	Min. on Grass °F.	Rainfall. mm.	Sunshine to Sunset. Hours. Yesterday.	Humidity % 15 h. G.M.T. To-day.	Humidity % 9 h. G.M.T. To-day.
Greenwich (Royal Observatory)	bz	c.o	o.om	50	39	34	–	5·8	59	73
City (Bunhill Row)	*	*	*	*	*	*	*	1·5	*	*
Westminster (St. James's Park)	*	*	*	53	28	26	–	6·1	59	73
" (Admiralty Arch)	bm	bcm.cm	omc	53	41	*	–	4·2	54	70
Camden Sq. (British Rainfall)	b.bc	bc	*	53	39	37	–	4·9	57	71
Kensington Palace	c	c.o	*	52	40	35	–	*	*	70
Richmond Park	*	*	*	*	*	*			*	*

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total 864 Joules.

Average Rate. 18·5 Milliwatts.

Maximum Rate. 48 " "

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

April 4th & 5th 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth ...	5.24	11.56	6.29
	5.21	11.56	6.31
Greenwich	5.32	12.3	6.35
	5.30	12.3	6.37
Wick ...	5.35	12.15	6.56
	5.32	12.15	6.59
Valencia ...	6.13	12.44	7.16
	6.11	12.44	7.17

NOTES ON THE WEATHER OF YESTERDAY.

Weather yesterday was cloudy or overcast in most parts of the country with however local fair areas as at Castlebay, where 8.1 hours of bright sunshine were recorded. The south of England was fine and sunny during the day (Jersey 11.5 hrs), but became overcast at night. The amounts of precipitation recorded were very slight, due to passing showers, except at Lerwick, where rain set in this morning and gave 2 mm. A good deal of mist or fog was developed at night, especially in Eastern England. Temperatures remained rather low, maxima of 50° being exceeded only in the south, 53° being recorded at Felixstowe, Benson and London (Charing Cross). Minima nowhere fell below 30°.

† Air Ministry Station * Information for these columns not usually received.

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METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No. 20,953 B ....SATURDAY..APRIL 5TH...1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form.	Upper Cloud. Amt. 0-10.	Sea 0-9.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form.	Upper Cloud. Amt. 0-10.	Sea 0-9.
	13H. G.M.T. of ....4TH.....														18H. G.M.T. of ..... 4TH.....													
†Houton B. (Orkney)	1009.6	-2	W	1	44	od₀	98	3	<500	St	10	-	-	6	1010.3	+2	WSW	8	43	cf₂	98	0	<500	St.	5	A.Cu	2	-
Eskdalemuir ...	1021.7	-1	SW	4	44	om	82	5	2-5000	St.	8	Ci.	1	*	1020.7	-1	WSW	3	46	om	87	5	1½-2000	St.	10	-	-	*
†Stranraer ...	1022.9	-2	WSW	1	51	cN	75	8	1½-2000	St	8	A.Cu	1	-	1022.2	-1	NW	3	48	od₀	92	5	1½-2000	St.	10	-	-	-
†Lough Foyle ...	1024.3	0	W	5	45	od₁	98	0	<500	No	10	-	-	3	1023.6	0	W	5	44	of₂	98	0	-	-	-	-	-	3
Valencia (Cahire'n)	1026.8	0	NW	3	52	bc	75	8	2-3000	Cu	6	-	-	3	1026.4	0	NW	2	49	o	98	4	½-1000	St.	10	-	-	3
†Anglesey (Llangefni)																												
Falmouth ...	1023.8	+1	SSE	1	49	c	65	6	-	Cu.Nb	8	-	-	*	1023.0	0	N	3	48	c	-	-	-	-	-	-	-	*
†Calshot (Hants) ...	1022.8	0	-	0	53	om	85	7	1-1500	Fr.Cu	5	A.Cu	9	-	1022.4	0	NE	2	50	om	75	4	5-7000	St.Cu	10	-	-	1
†Capel (Folkestone)	1022.2	0	ESE	2	47	om	75	4	-	-	-	-	-	2	1022.7	+1	E	2	43	b	75	5	3-4000	St	1	-	-	2
Aberdeen ...	1016.1	-3	SW	2	56	bc	55	7	-	St.Cu	6	-	-	2	1015.5	-1	WNW	4	53	c	65	7	-	St.Cu	7	-	-	2
†East Fortune ...	1019.9	-2	WSW	6	51	c	65	4	5-7000	St.Cu	2	A.Cu	4	*	1018.9	0	WSW	6	49	o	87	4	2-3000	Nb	6	A.St	4	*
†Howden ...	1022.3	-2	WSW	2	53	b	65	4	5-7000	Fr.Cu	1	Ci.	2	*	1002.2	0	SW	4	50	c	65	4	5-7000	St	4	Ci	4	*
†Felixstowe ...	1023.6	0	-	0	48	o	87	5	5-7000	St	5	A.St	5	2	1023.1	0	SSE	1	43	bc	92	5	-	St.Cu	4	Ci	1	2
†Cranwell (Lincs)														*	1021.4	0	-	0	49	b	75	4	3-4000	St.	2	Fr.Ci	1	*
Benson ...	1022.3	-1	-	0	52	c	55	4	-	-	-	-	-	*	1022.2	0	N	1	49	o	65	5	-	St.Cu	8	-	-	*
London (Kew Ob.)	1022.8	-1	NNE	2	52	cz	45	5	-	St	3	A.Cu	6	*	1022.5	0	NNE	2	53	oz	55	3	-	St.	5	Ci	4	*
	1H. G.M.T. of ..5TH.....														7H. G.M.T. of ..5TH.....													
†Houton B. (Orkney)	1011.0	-1	W	4	42	r₀m	98	6	1½-2000	St	10	-	-	-	999.7	-12	W	11	49	r₂q	98	3	½-1000	Nb	10	-	-	6
Eskdalemuir ...	1019.0	-4	WSW	4	44	om	92	5	-	St.	10	-	-	*	1016.0	-2	WSW	5	44	o	92	5	1½-2000	Nb	10	-	-	*
†Stranraer ...															1017.8	-4	W	5	45	o	87	8	1½-2000	St	10	-	-	-
†Lough Foyle ...															1018.4	0	W	6	44	o	92	5	1½-2000	St.	10	-	-	3
Valencia (Cahire'n)	1027.0	0	WNW	3	46	omq	-	-	-	-	-	-	-	-	1025.1	-3	-	0	46	o	92	8	2-3000	St.Cu	10	-	-	3
†Anglesey (Llangefni)	1023.5	-2	SSW	2	44	o	82	2	4-5000	St.	10	—	-	5														
Falmouth ...	1024.4	-1	NNW	2	41	b	98	5	-	-	-	-	-	*	1023.0	-1	NW	1	41	bz	98	5	-	-	-	-	-	*
†Calshot (Hants) ...	1024.2	+1	ENE	2	37	om	98	3	-	-	-	-	-	3	1021.9	-3	-	0	35	f₁	92	3	-	-	-	-	-	2
†Capel (Folkestone)															1021.1	-1	N	2	41	om	75	4	-	-	-	-	-	2
Aberdeen ...	1012.8	-2	WNW	4	46	od₀	87	3	2-3000	Nb	10	-	-	-	1008.7	-2	WSW	2	50	c	75	7	-	St.Cu	6	A.Cu	1	2
†East Fortune ...	1016.1	-5	WSW	6	47	o	92	-	-	-	-	-	-	*	1013.0	-5	WSW	6	47	o	87	5	1½-2000	Nb	7	A.St	3	*
†Howden ...														*	1018.4	-2	W	1	40	bf₁	82	3	1½-2000	-	-	Ci.Cu	2	*
†Felixstowe ...	1022.9	-1	-	0	39	b	98	-	-	-	-	-	-	2	1020.7	-1	WNW	2	39	oz	98	3	-	St.Cu	9	-	-	2
†Cranwell (Lincs)	1021.0	-1	WSW	2	37	b	92	4	4-5000	Cu	2	Ci.St	1	*	1019.2	-3	WSW	2	42	bc	92	4	3-4000	St.Cu	2	Ci	3	*
Benson ...														*	1020.5	-2	-	0	33	em	98	2	-	-	-	Ci.St	1	*
London (Kew Ob.)														*	1021.2	-2	-	0	36	f₁	92	2	-	-	-	-	-	*

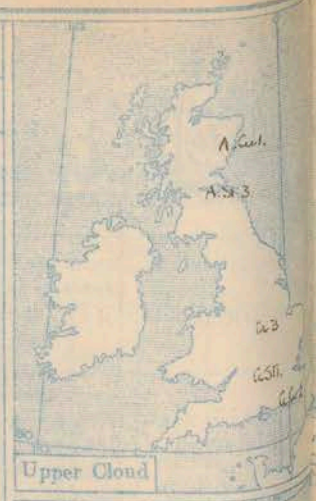
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

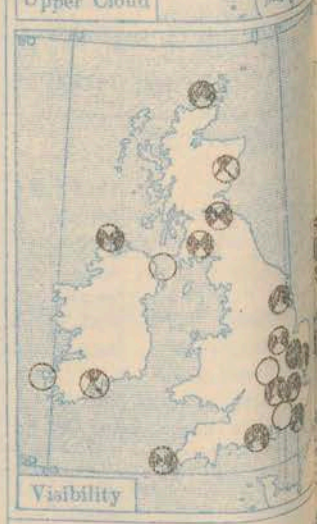
STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather	Barometer. at M.S.L. m.b.	Barometer. ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	18H. G.M.T. of ....4TH.....					7H. G.M.T. of ..5TH.....									24 HOURS ENDED 7H. ....5TH.....						....4TH.....
Lerwick ...	1007.1	46	W	6	omq	1002.3	-6	40	0	SSW	1	-	omr	2	6	48	37	omqr	omqr	omr	*
Stornoway ...	1014.9	49	W	5	orq	1006.1	-5	47	+1	W	9	-	orq	6	10	49	45	odp	orq	orq	0.3
Castlebay (Barra Is)	1019.0	48	W	5	of	1019.7	-1	47	+1	W	5	-	ofp	4	0.1	49	46	of.om	om.of	of.omp	0.0
Glasgow ...	1019.4	48	W	4	cu	1014.6	-3	45	+6	WSW	4	-	od	*	Trace	48	39	o	omdpe	c.odpq	0.1
Malin Head ...	1022.3	45	WSW	3	om	1016.8	-3	45	+1	WSW	4	-	om	4	0.2	48	43	fe	fe	om	0.0
Blacksod Point	1025.5	47	WNW	3	ofm	1021.1	-3	46	0	W	4	-	of	3	Trace	49	44	ofe	ofd	ofm.of	*
Roche's Point ...	1025.4	51	N	2	o	1024.3	-1	45	+2	NNW	2	-	b	1	Trace	53	43	o.c.o	o.c.o	o.c.b	*
Birr Castle ...	1024.5	52	NW	1	o	1022.0	*	45	+1	W	1	-	o	*	0.2	53	43	c.o	o	o	0.2
Donaghadee ...	1021.5	52	WNW	2	ofm	1017.6	-1	46	+7	WNW	3	-	ofm	2	-	54	38	bcm	ofm	bm.ofm	*
Liverpool (Bidston)	1023.4	43	WNW	1	b	1020.2	-1	44	+4	W	4	-	o	3	-	47	39	om.c	bc	o	4.3
Holyhead ...	1023.9	48	SW	2	cf	1022.8	-1	45	+3	WSW	4	-	of	2	Trace	52	42	b.bc.c	c.bc.b	c.o.cf	9.5
Pembroke (St. Ann's Head)	1024.5	47	NW	2	b	1023.0	-1	45	+6	N	2	-	c	1	-	53	39	bf.b	b	bv.c.o	10.5
Scilly (St. Mary's)	1024.3	47	NNE	3	bc	1023.7	-1	44	-1	N	2	-	b	3	-	51	41	c	bc	bc.b	10.7
Jersey (St Aubin)	1021.2	50	NE	3	b	1021.7	0	44	+9	NE	2	-	b	1	-	54	34	bm.b	b	bw.um	10.8
Portland Bill ...	1021.6	48	NW	1	c	1021.8	-1	45	+2	NNW	1	-	b	1	-	52	42	o.cm	cm	b	*
Dungeness ...	1021.3	45	NE	3	b	1020.4	-2	35	-3	NW	2	-	b	2	-	48	31	b	b	b.bx	*
Wick	1013.0	47	WNW	3	r	1004.2	-5	46	+6	W	4	-	r	3	8	52	40	of	omqd	omr	*
Nairn	1014.4	48	W	2	c	1006.9	*	48	+7	W	4	-	cqf	2	1	54	41	c.bcq	bc.cf	cqpf	1.7
Leith	1018.7	48	W	3	o	1012.6	-1	47	+7	W	5	-	c	3	-	52	40	om.o.c	c.bcv.o	o.cq.c	*
Tynemouth ...	1019.2	52	NW	3	bc	1015.0	-1	47	+8	WNW	3	-	om	3	-	55	39	bcm	bcm	bcm.cm	*
Spurn Head ...	1021.0	44	S	3	bc	1017.5	-1	43	+3	W	4	-	bcm	4	-	48	39	f.	f.bc	bcm	4.3
Yarmouth (Gorleston)	1021.5	43	S	1	b	1018.5	-2	38	-2	W	1	-	cm	1	-	47	35	f.om	bcf.bm	bcm	4.5
Clacton on-Sea	1022.7	43	ESE	2	bc	1020.8	-2	39	-2	W	2	-	cm	1	-	46	36	ofm	of.bcm	bc.bcm	3.7
Nottingham ...	1022.1	51	WNW	2	bm	1019.4	*	43	+5	W	2	-	bcm	*	-	56	37	om	c.bcm	bm	1.2

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARY OF CONDITIONS AT 7 A.M. Saturday, 5th April, 1919.

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Calm or W~N.; under 10	Rather cold.	Variable cloud; mist and fog.	Mainly poor	Smooth.
2. E. England	W~WNW., under 10	" "	Cloudy or dull, local mist and fog.	Poor	Calm
3. E. Midlands	Calm or W. 2	Moderate.	Dull; mist or fog	Poor	—
4. W. Midlands	W.~N., 5 ~ 10	"	Cloudy or dull.	—	—
5. S.W. England	NW. to N., under 10	"	Fine; local mist or fog.	Variable	Calm.
6. South Wales	N., 5	"	Cloudy.	Ordinary	"
7. North Wales	WSW. 15.	"	Dull.	"	"
8. N.W. England	W. 15	"	"	"	Slight.
9. N. Midlands	WSW. to W., 5.	"	Fair; some mist.	Poor to ord.	—
10. N.E. England	WNW., 10	Rather mild.	Dull; some mist.	Poor.	Slight.
11. E. Scotland	WSW. to W. 15~25.	Mild	Cloudy or dull	Ord. to V. good.	Smooth to rather rough.
12. S.W. Scotland	" " 15~20	Rather mild	Dull, some rain.	" "	Calm
13. Isle of Man	" " "	"	" " "	Ordinary	"
14. N.&N.W. Scotland	W., 15	"	Dull, some rain	"	Mod. to rough.
15. Hebrides	W. 20 in South, W. 50 in North	"	" " "	"	" "
16. Orkneys and Shetlands	SSW. 2 in Shetlands, WSW 57 in Orkneys	Mod. to rather mild.	Dull, rainy.	Poor	Smooth Shetlands, Rough Orkneys
17. N.W. Ireland	W. 15.	Moderate	Dull	Ordinary	Slight
18. N.E. Ireland	WSW. to WNW. 10~20	Rather mild.	Dull, some mist.	"	Smooth to mod.
19. S.E. Ireland	NNW. 5 ~ 15	"	Variable sky.	Ord. to good.	Smooth
20. S.W. Ireland	Calm or NNW. 5~15	Moderate	" "	Good to V. good	Slight





EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five 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 degrees F.
WEATHER SYMBOLS.—
clear sky. sky ¼ clouded. sky ½ clouded. overcast sky. rain falling. snow. hail. fog. thunder. thunderstorm.
SEA DISTURBANCE.—
Rough High

GENERAL INFERENCE from observations received up to

Pressure is still high over the Azores, but during the night a depression over Northern Norway has deepened considerably and developed a large secondary disturbance north of Scotland. Pressure is falling briskly in this latter disturbance and it will probably move slowly across the North Sea and cause W.ly gales on the northern coasts of Scotland, but the future course of events is uncertain.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Saturday, 5th April, 1919	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Moderate Westerly winds freshening; cloudy, some showers to-morrow; local mist. Becoming milder	Becoming less settled.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Fresh or strong Westerly winds; dull, some showers, local mist. Moderate temperature.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Strong or high W.ly winds; dull, some rain, local mist. Rather mild	
14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	W.ly gales; rainy. Rather mild	
17. N.W. Ireland 18. N.E. Ireland	Fresh or strong W.ly winds; dull, some rain. Moderate temperature.	
19. S.E. Ireland 20. S.W. Ireland	Moderate W.ly winds; cloudy, some showers. Moderate temperature.	

Meteorological Office, Exhibition Road, London, S.W. 7. H. G. LYONS, Col., Director. R. G. K. LEMPFERT, C.B.E., Superintendent Forecast Division

SYNOPTIC CHART FOR MORNING OF SATURDAY, 5TH APRIL, 1919.

Scale - 1:10,000,000

Nautical Miles: 100 0 100 200

Statute Miles: 100 0 100 200

Lower Cloud

TEMPERATURE, WEATHER, SEA.

Scale of Surface Visibility.

0. Very Bad	Objects not visible beyond	200 metres.			
1. Bad	"	"	"	500 "	(545 yards)
2. Very Poor	"	"	"	1,000 "	(0·6 mile)
3. Poor	"	"	"	2,000 "	(1·2 miles)
4. Indif. } Ordinary	"	"	"	4,000 "	(2·5 ")
5. Fair } Ordinary	"	"	"	7,000 "	(4·3 ")
6. Good, above ord.	"	"	"	12,000 "	(7·5 ")
7. V.y. gd., unusual	"	"	"	20,000 "	(12·4 ")
8. Excep. good	"	"	"	30,000 "	(18·6 ")
9. Objects visible beyond	30,000 metres. (18·6 miles)				

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 95. Saturday April 5th

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

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 3rd	Rainfall. Day. 9h-17h. 4th	Sunshine. to 17h. 4th	Sunshine. Sunrise to Sunset. 5th
Scotland.	Banff	o.c.	c.o	55	34	-	-	1·5	0·0
	St. Andrews ...	✳	✳	55	37	-	-	5·9	✳
England, N.E.	Harrogate	bc	bc	53	35	-	-	9·6	0·2
	Skegness	o.bc	bc	49	38	-	-	✳	0·0
England, E.	Felixstowe	om.	om.bc	49	38	-	-	2·9	8·9
	Walton on-Naze...	✳	✳	46	38	-	-	3·2	9·0
	Southend-on-Sea...	og.	o.c.bcg	50	42	-	-	1·3	8·9
England, S.E.	Margate	b.	b.	48	33	-	-	8·2	9·2
	Ramsgate	✳	✳	48	36	-	-	9·7	8·6
	Hastings	b.	b.	51	36	-	-	10·0	9·0
	Eastbourne... ...	✳	✳	50	31	-	-	8·2	9·5
	Worthing	o.c bc.	cg.bc	54	37	-	-	3·2	10·9
	Bournemouth ...	✳	✳	54	36	-	-	2·0	10·5

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 3rd	Rainfall. Day. 9h-17h. 4th	Sunshine. to 17h 4th	Sunshine. Sunrise to Sunset. 5th
England, N.W.	Southport	fo.	o.c.bcm.	42	37	-	-	0·2	0·0
Midlands.	Buxton	✳	✳	50	37	-	-	6·7	✳
	Leamington Spa...	bc.bm.	c.bm.	54	34	-	-	5·5	1·0
	Malvern								
	Ross-on-Wye ...	o.c bc.	c.bcy.c	57	38	-	-	6·0	2·5
Wales.	Rhyl	c.bc.	bc.	46	39	-	-	7·4	0·4
	Colwyn Bay ...	✳	✳	49	40	-	-	6·0	0·2
	Llandudno	b.	b.	49	42	-	-	8·3	0·0
	Aberystwyth ...	✳	✳	45	40	-	-	1·5	0·0
England, S.W.	Weymouth								
	Torquay	o.c.bc.	bc c.o	52	38	-	-	2·2	7·0
	Penzance	b.	b.bc.	53	41	-	-	10·5	9·2
	Newquay	b.	b.	48	36	-	-	9·5	9·5
	Weston-s-Mare ...	c.bc.b	bcm	53	36	-	-	4·0	4·5

STATIONS.	Summaries for past 24 Hours. Weather 7h-13h. 4th	13h-18h. 4th	18h. 4th-1h. 5th	1h-7h. 5th	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)...	do ↙	og1 d1	og1 r.	r0 q.	49	40	✳	✳		✳
Eskdalemuir	f1 om.	og1 q.	0	0	49	36	44	-		1·8
†Stranraer	bc.c.v.	o.	✳	0	53	43	✳	✳		✳
†Lough Foyle	og1	f2 pd1	✳	0	46	43	✳	✳		✳
Valencia (Cahirciveen)	c.o.bc.c.	bc.c.o.	g	0.	52	45	44	trace		3·3
†Anglesey (Llangefni)	✳	✳	o.u.	✳	✳	✳	✳	✳		✳
Falmouth	b.b.bc	cg.cg.d	og.b	og.bc	53	38	✳	-		5·0
†Calshot (Hants)	om.	om.	bc.c.f1	om f1	52	42	✳	✳		✳
†Capel (Folkestone)... ...	b.og	cg	b	b.bc.	48	36	✳	✳		✳
Aberdeen	b.bc.bcc	bc.c.q.	✳	b.	58	39	44	-		3·9
†East Fortune	o	3 q.	3 q.	q.o	53	47	✳	✳		✳
†Howden	b.bcf1	b.bcf1	✳	bc.c.f1	56	36	✳	✳		✳
†Felixstowe	og	b.3	b	3x.	48	36	✳	✳		✳
†Cranwell (Lincs) ...	✳	bc.c.f1	bc.c.b.bc	b.bc.3c	55	36	✳	✳		✳
Benson	b.o	ce.	✳	b.	53	27	21	-		✳
London (Kew Obsy.) ...	om.b3o	o.og.	b.bm	omg.	53	34	24	trace		2·3

BEAUFORT NOTATION.

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.
e wet air without rain falling.
f fog. g gloom.
h hail. i lightning.
m mist.
o overcast sky.
p passing showers.
q squalls.
r rain.
rs sleet, *i.e.*, rain and snow together.
s snow.
t thunder.
u ugly, threatening sky.
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.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. 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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0 = slight, 2 = heavy. Underlining is used to express continuity.

LONDON. OBSERVATIONS.	Weather. Morning	Weather. Afternoon.	Weather. Night.	Max. Temp. °F.	Min. Temp °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours.	Humidity % 15 h. G.M.T.	Humidity % 9 h. G.M.T.
	24 Hours ended 9h G.M.T. 5th							Yesterday.		To-day.
Greenwich (Royal Observatory)	bc.	bc.c	cm.bc	53	31	22	-	2·3	54	71
City (Bunhill Row)	✳	✳	✳	✳	✳	✳	✳	0·8	✳	✳
Westminster (St. James's Park)	✳	✳	✳	54	33	26	-	0·8	64	77
" (Admiralty Arch)	bmg	bcmg	bcm.b	55	37	✳	-	1·1	58	73
Camden Sq. (British Rainfall)	bc	bc	✳	55	34	31	-	2·4	57	74
Kensington Palace	c.bc	bc.c	✳	57	34	23	-	✳	70	72
Richmond Park	✳	✳	✳	✳	✳	✳	✳	2·1	✳	✳

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total .....757..... Joules.

Average Rate. 16·1 Milliwatts.

Maximum Rate. 34. " "

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

April 5th & 6th 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth...	5.21	11.56	6.31
	5.18	11.56	6.33
Greenwich	5.30	12.3	6.37
	5.27	12.3	6.39
Wick ...	5.32	12.15	6.59
	5.29	12.15	7.1
Valencia ...	6.11	12.44	7.17
	6.8	12.44	7.19

NOTES ON THE WEATHER OF YESTERDAY.

Weather yesterday was cloudy or dull with some rain, mist or fog over England and Scotland, the greatest amount of bright sunshine recorded being 1.7 hours at Wick; 10 mm. of rain were recorded at Stornoway. Over England conditions were much finer, and more 10 hours of bright sunshine were experienced in the south (Jersey 10.8 hours), but mist or fog persisted through the day in the east. Temperatures were higher than of late, the maximum reaching 57° at London (Kensington Palace).

† Air Ministry Station

* Information for these columns not usually received.

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METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No 20,954 B . Sunday, 6th April ..... 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form.	Upper Cloud. Amt. 0-10.	Sea 0-9.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form.	Upper Cloud. Amt. 0-10.	Sea 0-9.
	18H G.M.T. of 5th April.....														18H. G.M.T. of 5th April.....													
†Houton B. (Orkney)	1003.6	+7	WNW	7	44	om	98	4	½-1000	St	8	–	–	5	1006.3	+3	WNW	7	41	bc	87	5	2-3000	St.cu	4	A.st	2	5
Eskdalemuir ...	1014.6	–1	WSW	5	46	om	75	6	2-3000	St.	10	–	–	*	1013.5	–1	W	5	46	om	87	8	½-1000	St.	7	A.cu	1	*
†Stranraer ...	1015.8	–4	WSW	3	49	o	75	7	<500	St	10	–	–	*	1015.2	–1	WSW	4	47	od,	98	4	½-1000	Nb	10	–	–	*
†Lough Foyle ...	1016.7	–2	W	8	45	od,	98	3	<500	Nb	10	–	–	5														
Valencia (Cahirc'n) ...	1024.0	–1	NW	2	49	o	75	8	2-3000	St	8	A.st	2	3	1022.8	–2	W	1	50	c	75	8	2-3000	St.cu	7	Ci.st.	1	2
†Anglesey (Llangefni) ...																												
Falmouth ...	1022.2	–1	NW	2	50	og	87	7	–	St.	10	–	–	*	1020.4	–1	NW	2	48	og	–	–	–	–	–	–	–	*
†Calshot (Hants) ...	1019.8	–3	SSW	3	56	bm	75	6	5-7000	Cu	2	–	–	4	1017.8	–1	NW	2	51	om	75	6	5-7000	St.cu	5	A.cu	4	3
†Capel (Folkestone)	1019.6	–2	WSW	1	46	om	75	3	–	?	?	?	?	2														
Aberdeen ...	1006.4	–1	WNW	7	57	bc	55	8	–	Cu	6	Fa.ci	1	3	1009.6	+5	WNW	3	50	bc	65	7	–	St.cu	6	–	–	3
†East Fortune ...	1009.2	–2	WSW	6	50	o	75	6	3-4000	St.cu	9	–	–	*	1011.2	+1	WSW	4	52	c	75	5	3-4000	St.cu	7	–	–	*
†Howden ...														*	1015.5	0	WSW	3	48	c	75	5	3-4000	St.	6	Ci	2	*
†Felixstowe ...																												
†Cranwell (Lincs)														*														*
Benson ...	1018.8	–2	W	1	54	o	65	6	–	–	–	–	–	*	1017.3	–1	NW	2	50	c	65	–	–	St.cu	5	–	–	*
London (Kew Ob.)	1019.3	–3	WNW	1	52	o	65	5	–	St.cu	7	A.st.	3	*	1017.1	–1	–	0	52	o	65	5	–	St.cu	9	A.cu.	1	*
	1H. G.M.T. of 6th April...														7H. G.M.T. of 6th April...													
†Houton B. (Orkney)	1010.0	+1	NNW	1	38	o	98	5	1½-2000	St.	8	–	–	3	1007.1	–4	SSE	3	36	rif2	98	0	–	Nb	10	–	–	3
Eskdalemuir ...	1014.3	0	W	2	45	om	75	7	–	Cu.nb	9	–	–	*	1013.4	–1	WSW	4	45	c	82	7	2-3000	St.cu	4	A.cu	4	*
†Stranraer ...	1015.3	–1	W	1	46	o	98	4	<500	St	9	–	–	*	1013.8	–1	WSW	2	46	o	87	7	1-1500	St.	8	A.cu	1	*
†Lough Foyle ...															1014.4	0	WSW	6	45	o	92	6	3-4000	St.	5	–	–	4
Valencia (Cahirc'n) ...	1021.5	–1	–	0	47	bc	–	–	–	–	–	–	–	2	1019.9	–2	WSW	2	48	o	87	8	1½-2000	St.cu	10	–	–	3
†Anglesey (Llangefni) ...	1017.9	–3	WNW	1	46	o	98	1	2-3000	St.	10	–	–	2														
Falmouth ...	1020.4	–1	NW	2	46	bc	92	5	–	Cu	5	–	–	*	1019.7	–3	NW	1	0	47	98	6	–	–	–	A.st.	10	*
†Calshot (Hants) ...	1019.2	+2	NW	1	45	o	98	7	2-3000	St	10	–	–	4	1018.5	–1	NW	1	0	44	92	6	3-4000	St	10	–	–	5
†Capel (Folkestone)															1017.9	+1	NNW	1	0	45	87	5	3-4000	St	10	–	–	2
Aberdeen ...															1009.0	–2	WSW	2	0m,	43	87	4	–	St	2	A.st	7	1
†East Fortune ...	1013.4	–1	SW	3	44	b	87	–	3-4000	St.cu	2	–	–	*	1011.3	–4	WSW	4	0	47	87	5	3-4000	St.cu	4	A.st.	5	*
†Howden ...														*														*
†Felixstowe ...	1017.4	–1	W	1	45	o	75	–	–	St.	10	–	–	2	1017.5	+1	W	1	2,	45	75	3	2-3000	St.	10	–	–	2
†Cranwell (Lincs)	1015.9	–1	W	1	45	bc	92	5	3-4000	St.cu	3	A.st.	3	*														*
Benson ...														*	1017.8	0	SW	1	0	43	98	4	–	St	10	–	–	*
London (Kew Ob.)	1017.6	0	–	0	49	o	–	–	–	–	–	–	–	*	1017.9	+2	W	1	om	45	87	4	–	St	9	A.st.	1	*

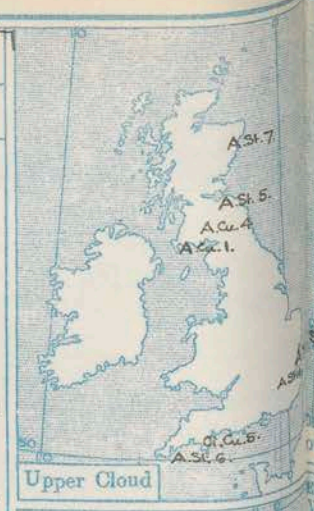
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

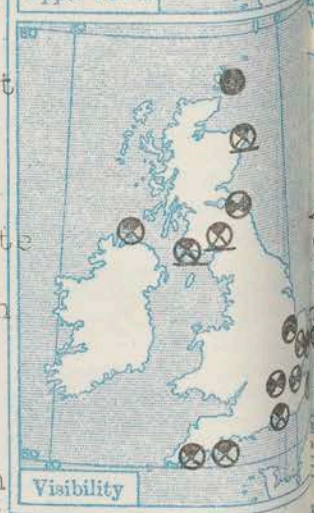
STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	Barometer. at M.S.L. m.b.	Barometer. ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	18H. G.M.T. of 5th April.....					7H. G.M.T. of 6th April..									24 HOURS ENDED 7A. 6th April.						5th April.
Lerwick ...	1002.1	42	WNW	4	om	1008.4	–2	34	–6	E	2	–	oms	1	3	47	33	omr	om	omps	*
Stornoway ...	1011.2	46	NW	3	b	1004.6	–4	47	0	SW	6	–	orq	5	4	51	41	or.cqp	c.b	b.orq	4.7
Castlebay (Barrals)	1013.2	48	WNW	4	o	1008.9	–2	47	0	SW	5	–	or	5	1	49	46	op.r.o	o	omr	2.5
Glasgow ...	1012.7	48	W	4	bc	1012.4	0	45	0	W	4	–	o	*	1	48	43	odpm	odpmc	bc.c.op	0.5
Malin Head ...	1014.9	47	W	5	fe	1011.5	–3	45	0	WSW	4	W	bc	3	0.2	47	43	omq	fe	bcm	0.6
Blacksod Point	1018.7	48	WNW	5	orgm	1015.2	–1	45	–1	SW	4	–	og	3	9	50	42	opm	opm	cm.cpm	*
Roche's Point ...	1021.9	49	N	2	o	1020.4	0	45	0	NNW	1	–	o	7	–	51	43	o	o	o.b.o	*
Birr Castle ...	1019.8	49	W	2	o	1018.2	+	46	+1	SW	1	–	o	*	–	52	44	c.o	c.o	o	0.2
Donaghadee ...	1015.5	49	W	4	odpm	1015.0	+1	46	0	W	3	W	c	2	Trace	53	44	ogm	ogmq	ogm.cq	*
Liverpool (Bidston)	1016.6	47	W	4	o	1016.7	+1	45	+1	W	3	–	o	3	1	50	41	bc	o	op	0.5
Holyhead ...	1017.7	48	WSW	4	og	1015.7	0	46	+1	WSW	4	W	c	2	Trace	52	45	og	c.d.cog	ogmc	0.8
Pembroke (St. Ann's Head)	1020.5	46	WNW	2	o	1018.9	+1	47	+2	NNW	2	–	o	1	–	50	44	c.o	c.o	c.o	1.2
Scilly (St. Mary's)	1021.5	48	WNW	4	o	1020.1	–1	47	+3	NNW	2	N	o	3	0.3	51	43	bc.cod	o	o	1.3
Jersey (St. Aubin)	1018.9	50	NW	2	b	1018.9	0	46	+2	NW	2	–	o	2	–	54	43	bm.b	b	bc.o	10.7
Portland Bill ...	1018.4	49	W	4	c	1017.7	–2	47	+2	NW	1	–	o	2	–	54	42	bc.o.c	bc.o.c	c.o	*
Dungeness ...	1016.3	46	SW	2	c	1016.6	+1	44	+9	WSW	2	–	c	1	–	50	35	b	b.bc.c	c.o.c	*
Wick	1008.0	45	NW	4	bc	1006.0	–5	42	–4	S	4	–	o	3	1	50	37	or.cqm	cqm.bc	bc.ogm	*
Nairn	1009.6	47	W	3	c	1006.7	*	45	–3	W	2	–	cg	1	0.4	56	40	cq.bc	bc.c	c.bc.cp	4.1
Leith	1011.8	52	W	3	c	1011.5	0	47	0	WSW	3	–	o	2	–	55	44	cu.g.bc	cq.bc	bc.b.o	*
Tynemouth ...	1011.9	50	WNW	3	cm	1012.8	0	45	–2	WNW	1	–	bm	3	–	52	43	cm	cm	bcm.bm	*
Spurn Head ...	1014.5	48	WNW	4	bc	1014.8	0	43	0	W	3	–	om	3	–	50	41	cqm	bcm.bc	c.o	1.5
Yarmouth (Gorleston)	1016.0	50	NW	2	o	1015.2	+1	49	+11	WNW	3	–	om	2	–	57	37	cm.om	om	ombc.b	3.4
Clacton-on-Sea	1016.6	51	W	3	o	1017.0	0	45	+6	W	3	–	c2	1	–	54	39	c.om	o.c.om	o.cm.2	1.0
Nottingham ...	1016.9	50	NW	3	c	1016.3	*	47	+4	WSW	2	–	o	*	–	52	43	c.o	c.o	c.o	1.6

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARY OF CONDITIONS AT 7 A.M. Sunday, 6th April, 1919.

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	W-NW 2-7	Rather mild	Overcast local mist.	Ordinary	Smooth
2. E. England	W- 2-10	" "	" " "	"	"
3. E. Midlands	SW-W 2	" "	" " "	"	
4. W. Midlands	W- NW 2	" "	" " "	"	
5. S.W. England	NNW 2-5	Moderate	"	Good	"
6. South Wales	NNW 5	Rather mild	"	-	Smooth
7. North Wales	WSW 15	Moderate	Cloudy	-	"
8. N.W. England	W 10	Rather mild	Overcast	-	Slight
9. N. Midlands	W 5- 10	" "	"	Poor	-
10. N.E. England	W 2-10	" "	Variable cloud, misty	"	Slight
11. E. Scotland	SW-W 5-15	" "	Overcast, local mist	Good	Smooth
12. S.W. Scotland	WSW 12-15	" "	"	v.good	"
13. Isle of Man	W 10- 15	" "	Cloudy or overcast	-	"
14. N.&N.W.Scotland	S-SW 10-15	" "	Overcast	-	Moderate
15. Hebrides	SW 21-28	" "	Overcast, rainy	Poor	rather rough
16. Orkneys and Shetlands	E-SE 5-15	Rather cold	Rain or snow, mist or fog	v.bad	Slight
17. N.W. Ireland	SW-15	Moderate	Gloomy	Ordinary	slight
18. N.E. Ireland	SW-W 10-20	"	Fair to overcast	Good	Slight
19. S.E. Ireland	NW 2-5	Moderate	Overcast	Ordinary	very smooth
20 S.W. Ireland	WSW-NNW 2-5	"	"	exptly good	Slight





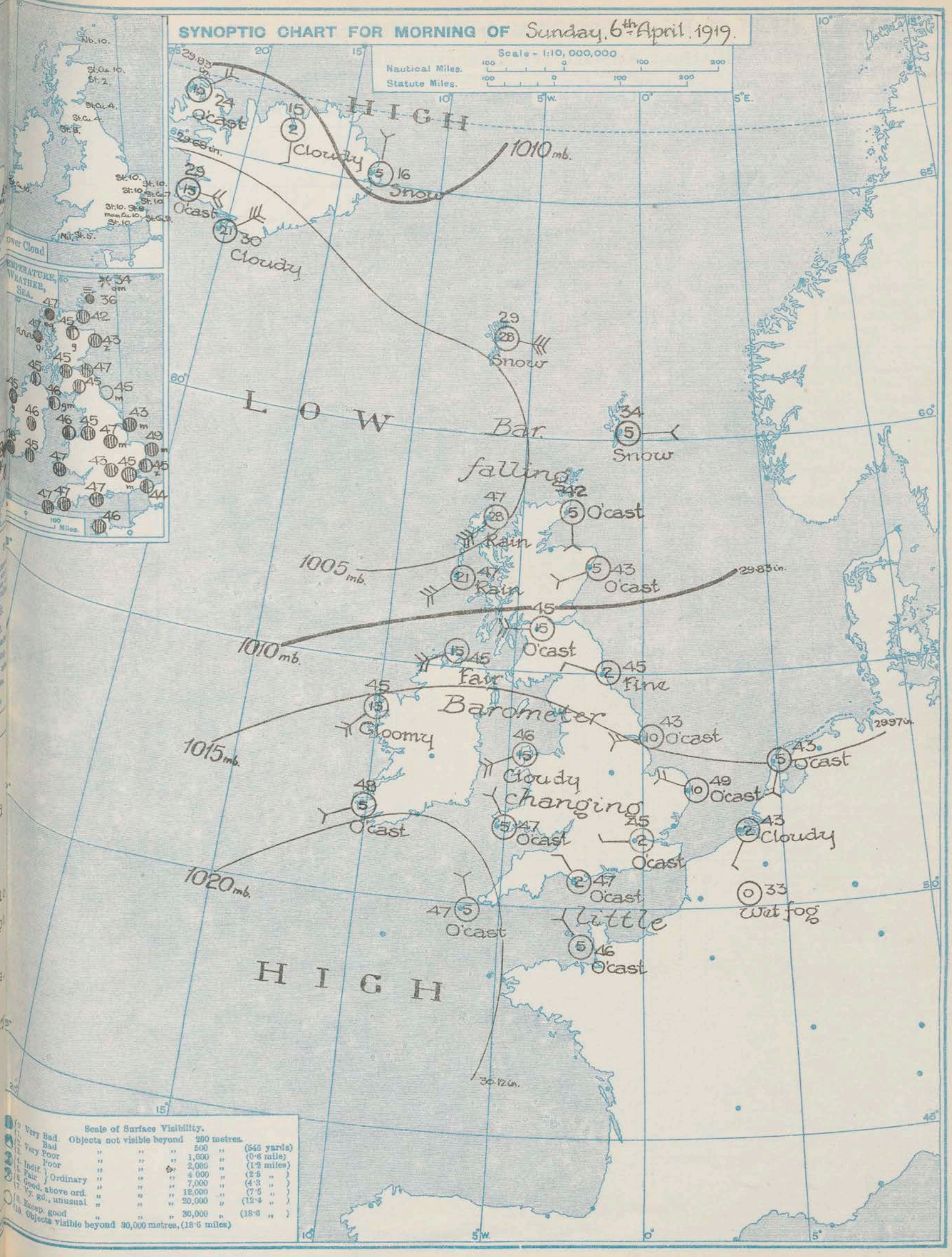
EXPLANATION.
BAROMETER.—Isobars are drawn intervals of five millibars.
WIND.—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS.—
clear sky. sky ¼ clouded. sky ½ clouded. sky ¾ clouded. overcast sky. rain falling. snow. hail. fog. thunder. thunderstorm.
SEA DISTURBANCE.—Rough High

GENERAL INFERENCE from observations received up to 10 a.m.

The anticyclone over the Azores is decreasing in intensity and moving southwards, and a large depression in mid-Atlantic south of Iceland is moving slowly eastwards. West or southwest winds and mild weather with rain in the north are probable over most of the country.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Sunday, 6th April, 1919	Further Outlook.
1. S.E. England 2. E. England 3 E. Midlands	Moderate or fresh westerly winds. Dull, some showers, local mist. Rather mild.	SW winds and mild weather are probable over the whole country except the Orkneys and Shetlands. Rainy in the North, showery in the South
4. W. Midlands 5. S.W. England 6. South Wales	Moderate NW. winds backing to W. or S.W. Dull, rain at times, rather mild.	
7. North Wales 8. N.W. England 9. N. Midlands	Fresh S.W. or W. winds. Dull, rain at times, rather mild.	
10. N.E. England 11. E. Scotland	Fresh W. winds. Dull, rain at times. Rather mild.	
12. S.W. Scotland 13. Isle of Man 14. N.&N.W.Scotland 15. Hebrides	Strong S.W. winds. Dull, rainy, rather mild.	
16. Orkneys and Shetlands	Moderate E. or S.E. winds. Dull, some rain or snow. Rather cold.	
17. N.W. Ireland 18. N E. Ireland	Fresh S.W. winds. Dull some rain. Rather mild.	
19. S.E. Ireland 20. S.W. Ireland	Moderate S.W. wind. Dull, some showers. Rather mild.	

Meteorological Office, Exhibition Road, London, S.W. 7. H. G. LYONS, Col., Director. R. G. K. LEMPFERT, C.B.E., Superintendent Forecast Division.


SYNOPTIC CHART FOR MORNING OF Sunday, 6th April, 1919.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
HIGH
LOW
Bar. falling
Barometer
changing
little
HIGH
1010 mb.
1005 mb.
1015 mb.
1020 mb.
29.83 in.
29.68 in.
29.97 in.
30.12 in.
O'cast
Cloudy
Snow
Rain
Fair
Fine
Gloomy
Wet fog
Over Cloud
TEMPERATURE, WEATHER, SEA.
Scale of Surface Visibility.
0 Very Bad Objects not visible beyond 200 metres.
1 Bad " " " 500 " (545 yards)
2 Very Poor " " " 1,000 " (0·6 mile)
3 Poor " " " 2,000 " (1·2 miles)
4 Indif. } Ordinary " " " 4,000 " (2·5 ")
5 Fair } " " " 7,000 " (4·3 ")
6 Good, above ord. " " " 12,000 " (7·5 ")
7 V. gd., unusual " " " 20,000 " (12·4 ")
8 Excep. good " " " 30,000 " (18·6 ")
10 Objects visible beyond 30,000 metres, (18·6 miles)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 96. {Sunday, 6th April, 1919

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

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 4th	Rainfall. Day. 9h-17h. 5th	Sunshine. to 17h. 5th	Sunshine. Sunrise to Sunset. 4th
Scotland,	Banff	bcq	bcq,c	55	47	0.2	–	4.9	1.5
	St. Andrews ...								
	Montrose	*	*	57	46	–	–	2.1	*
England, N.E.	Harrogate	c	bc	52	40	–	–	1.6	9.6
	Skegness								
England, E.	Felixstowe	om	om,cm	54	35	–	–	0.9	3.2
	Walton-on-Naze...								
	Southend-on-Sea...	o,c	o,c,bc	56	37	–	–	3.1	1.3
England, S.E.	Littlehampton. ...	b	b	50	32	–	–	9.0	*
	Margate	bc	b,bc,c	54	37	–	–	4.5	8.8
	Ramsgate	*	*	53	34	–	–	4.7	10.0
	Hastings	bc,b	b	53	37	–	–	3.4	10.3
	Eastbourne... ...	b	b	53	31	–	–	10.5	8.3
	Worthing								
	Bournemouth ...	*	*	60	?	–	–	8.5	2.0

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 4th	Rainfall. Day. 9h-17h. 5th	Sunshine. to 17h. 5th	Sunshine. Sunrise to Sunset. 4th
England, N.W.	Southport	o	o	47	40	–	–	0.0	0.5
Midlands.	Buxton	o	o	45	38	–	–	0.1	6.8
	Leamington Spa...	o,c,b,o	o,c,b,o	53	34	–	–	0.7	5.5
	Malvern								
	Ross-on-Wye ...	xc,bc,o	o,c,ov	56	30	–	–	2.2	6.5
Wales.	Rhyl								
	Colwyn Bay ...								
	Llandudno								
	Aberystwyth ...	*	*	45	42	–	–	0.0	*
England, S.W.	Weymouth								
	Torquay								
	Penzance	bc,c	c,o	54	51	–	–	2.6	11.1
	Newquay								
	Weston-s-Mare ...								

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-13h. 5th	Weather 13h-18h. 5th	Weather 18h.5.-1h. 6th	Weather 1h-7h. 6th	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h.	Rainfall. Night. 18h-7h.	Sun. Hours.
†Houton Bay (Orkney)...	of,pd,	c.o.m	oq	o. d,	45	34	*	*		*
Eskdalemuir	o.o q	oq.o.c	c,b,uo	c.obc.op.c	47	42	39	0.2		0.0
†Stranraer	c	om d_2	pdf,o	c	53	43	*	*		*
†Lough Foyle	o			pd.	45	40	*	*		*
Valencia (Cahirciveen) ...	o	o.c	bc	c.o	50	46	45	–		1.0
†Anglesey (Llangefni) ...										
Falmouth	bc.c.og	og	og,bc	og.bcc	54	40	44	–		4.1
†Calshot (Hants)	z	bc.c ⊕	zom	b,bc,o	56	32	-	*		-
†Capel (Folkestone)... ...	c,om	-	-	c,o cm	56	32	-			-
Aberdeen	c.bcqy	c.bcqy		c,bc,c,o	58	38	31	-		5.2
†East Fortune	cq	c oq	b,bc	b,bc	54	41	-	*		*
†Howden	-	c.oq	-	-	54	34	-	*		*
†Felixstowe										
†Cranwell (Lincs) ...										
Benson	bc	bc	–	o	54	33	-	-		.4.
London (Kew Obsy.) ...	cm-om.o	oc.bcc.o	bc,o	o,omc,om	54	36	34	-		1.2

BEAUFORT NOTATION.

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.
e wet air without rain falling.
f fog. g gloom.
h hail. l lightning.
m mist.
o overcast sky.
p passing showers.
q squalls.
r rain.
rs sleet, *i.e.*, rain and snow together.
s snow.
t thunder.
u ugly, threatening sky.
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.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Limits of Velocity. 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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

LONDON. OBSERVATIONS.

	Weather. Morning	Weather. Afternoon.	Weather. Night	Max. Temp. °F.	Min. Temp °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours.	Humidity % 15 h. G.M.T.	Humidity % 9 h. G.M.T.
	24 Hours ended 9h G.M.T. ....6th....							Yesterday.		To-day.
Greenwich (Royal Observatory)										
City (Bunhill Row)	*	*	*	*	*	*	*		*	*
Westminster (St. James's Park)	*	*	*							
,, (Admiralty Arch)						*				
Camden Sq. (British Rainfall)			*							
Kensington Palace	o	bc	*	56	45	33	–	*	2	93
Richmond Park	*	*	*	*	*	*	*		*	*

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total ..... Joules.

Average Rate. Milliwatts.

Maximum Rate. ,,

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

.....6th and 7th April..... 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth...	5.18 / 5.18	11.56 / 11.55	6.33 / 6.30
Greenwich	5.27 / 5.25	12.3 / 12.2	6.39 / 6.40
Wick ...	5.29 / 5.26	12.15 / 12.14	7.1 / 7.3
Valencia ...	6.8 / 6.5	12.44 / 12.43	7.19 / 7.21

NOTES ON THE WEATHER OF YESTERDAY.

Weather yesterday was cloudy or dull and misty over most of the country, but fair or fine in the middle and Eastern parts of the English Channel, 10.7 hrs. of bright sunshine being recorded at Jersey, while up to 5 p.m. 10.5 hrs. were recorded at Eastbourne. The amounts of rain recorded were small, except at Blacksod where 9 mm fell.

Temperatures remained moderate, but maxima were well above 50 at many stations, reaching 57° at Yarmouth & 58° at Aberdeen.

† Air Ministry Station

* Information for these columns not usually received.

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METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No 20,955 B ..Monday..7th..April.....1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt 0-10.	Upper Cloud Form	Upper Cloud Amt. 0-10.	Sea 0-9.
	13H G.M.T. of 6th April.....													
†Houton B. (Orkney)	1002·0	-2	W	7	46	0m	92	3	½-1000	St-Cu	10	-	-	4
Eskdalemuir ...	1013·0	-2	WSW	5	49	0	85	7	2-3000	St.Cu	10	-	-	*
†Stranraer ...	1013·9	-2	SSW	2	54	0	75	6	2-3000	St Cu	9	-	-	*
†Lough Foyle ...	1013·8	0	SW	6	48	0	75	5	2-3000	St.Cu	10	-	-	4
Valencia (Cahirc'n) ...	1018·5	-1	NW	2	54	bc	*	*	*	*	*	*	*	2
†Anglesey (Llangefni) ..														
Falmouth ...	1018·7	-1	NNW	2	55	cz₁	75	6	-	St.Cu	7	-	-	*
†Calshot (Hants) ...	1018·2	-1	WNW	1	51	0	87							
†Capel (Folkestone)	1018·0	0	WSW	1	48	f₂	87	4	2-3000	St.Cu	10	-	-	2
Aberdeen ...	1007·1	-2	SW	4	54	oy	55	7	-	St. Cu	10	-	-	2
†East Fortune ...	1007·0	-3	WSW	5	53	o	65	6	3-4000	Nb	4	a.St	4	*
†Howden ...														*
†Felixstowe ...	1017·3	-1	SSW	2	53	0	75	6	3-4000	St Cu	9	-	-	3
†Cranwell (Lincs)														*
Benson ...	1017·4	-1	NW	1	55	c	65	6	-	-	-	-	-	*
London (Kew Ob.)	1017·5	-2	SW	1	54	0	75	5	-	St.Cu	6	a.St	3	*
	1h. G.M.T. of 7th April													
†Houton B. (Orkney)	1001·9	-1	SW	5	43	r₀m	98	5	1½-2000	St	10	-	-	*
Eskdalemuir ...	1011·2	-1	SSW	3	41	0me	98	4	½-1000	St	10	-	-	*
†Stranraer ...	1010·4	-1	WSW	1	46	0	98	5	1½-2000	St	10	-	-	*
†Lough Foyle ...														
Valencia (Cahirc'n) ...	1012·5	-3	SW	3	49	cg	-	-	-	-	-	-	-	2
†Anglesey (Llangefni) ...														
Falmouth ...	1016·7	-2	NNW	1	46	0	98	6	-	Cu.Nb	10	-	-	*
†Calshot (Hants) ...	1016·3	-2	SW	0	45	0	98	7	4-5000	St	10	-	-	2
†Capel (Folkestone)														
Aberdeen ...	1005·5	0	SSW	3	47	r₂	98	5	½-1000	Nb	10	-	-	4
†East Fortune ...	1008·8	-2	SW	4	48	0	75	-	4-5000	St Cu	5	a. St	5	*
†Howden ...	1013·7	-2	SSW	1	46	0	75	5	3-4000	St.Cu	10	-	-	*
†Felixstowe ...	1015·9	-1	SW	0	47	f₁	92	-	-	-	-	-	-	2
†Cranwell (Lincs)	1014·9	-2	-	0	44	0	98	4	2-3000	St	10	-	-	*
Benson ...														*
London (Kew Ob.)	1015·2	-1	W	1	50	0	-	-	-	-	-	-	-	*

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt 0-10.	Upper Cloud Form	Upper Cloud Amt. 0-10.	Sea 0-9.
	18h. G.M.T. of 6th April....													
†Houton B. (Orkney)	1002·4	+1	W	7	45	d₀	93	1	<500	St	10	-	-	0
Eskdalemuir ...	1012·6	-1	SSW	4	45	od₀	87	6	-	St	10	-	-	*
†Stranraer ...	1012·7	-1	SW	0	50	0	82	8	2-3000	St	10	-	-	*
†Lough Foyle ...	1012·4	-2	WSW	5	46	0	92	6	2-3000	St Cu	10	-	-	4
Valencia (Cahirc'n) ...	1016·7	-4	SW	3	51	c	82	7	<500	Cu	7	a.Cu	1	3
†Anglesey (Llangefni) ..														
Falmouth ...	1017·3	-1	NNW	0	50	bcz	*	*	*	*	*	*	*	*
†Calshot (Hants) ...	1016·9	-1	SW	2	48	0	92	6	4-5000	St.Cu	10	-	-	4
†Capel (Folkestone)	1016·9	-1	W	1	47	0	87	3	2-3000	St	10	-	-	2
Aberdeen ...	1007·1	+1	WSW	3	53	0m	65	4	-	St Cu	10	-	-	2
†East Fortune ...														*
†Howden ...	1014·7	0	SW	4	50	bc	65	5	2-4000	St Cu	6	-	-	*
†Felixstowe ...	1016·4	-1	SW	0	49	0	87	3	4-5000	St	10	-	-	2
†Cranwell (Lincs)														*
Benson ...	1016·1	-1	-	0	52	0	87	4	-	St	10	-	-	*
London (Kew Ob.)	1016·1	0	-	0	53	0m	75	5	-	St Cu	6	a.St	4	*
	7h. G.M.T of 7th April													
†Houton B. (Orkney)	1001·4	0	W	4	43	r₀f₂	98	0	<500	St	10	-	-	*
Eskdalemuir ...	1008·7	-2	SW	4	43	0m	98	5	½-1000	St	10	-	-	*
†Stranraer ...	1007·9	-2	SSW	2	45	0	87	7	1½-2000	St	10	-	-	*
†Lough Foyle ...														
Valencia (Cahirc'n) ...	1009·3	-5	S	4	49	0	92	7	½-1000	St	5	a.St	5	3
†Anglesey (Llangefni) ...														
Falmouth ...	1014·1	-1	NW	1	45	0z₁	98	5	-	Cu	9	-	-	*
†Calshot (Hants) ...	1014·8	-2	SSW	0	45	c	98	4	2-3000	St Cu	-	Ci Cu	-	2
†Capel (Folkestone)														
Aberdeen ...	1004·9	-1	S	2	48	om	92	4	-	-	-	a.St	10	2
†East Fortune ...	1006·0	-4	SW	4	48	0	75	6	3-4000	St Cu	8	-	-	*
†Howden ...	1012·1	-2	S	0	46	om	75	3	3-4000	St	10	-	-	*
†Felixstowe ...	1014·5	-1	WSW	0	45	f₁	92	1	-	-	-	-	-	2
†Cranwell (Lincs)	1012·7	-4	-	0	48	c	98	6	4-5000	St Cu	8	a.Cu	3	*
Benson ...	1013·4	-1	-	0	46	om	98	4	-	Cu	10	-	-	*
London (Kew Ob.)	1014·3	0	-	0	46	em	92	2	-	St Cu	3	a.Cu	4	*

STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather	Barometer at M.S.L. m.b.	Barometer ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	18h. G.M.T. of 6th April..					7h. G.M.T. of 7th April									24 HOURS ENDED 7h. 7th April						6th April
Lerwick ...	1001·1	41	N	3	omr	999·6	-1	44	+10	SW	3	-	omr	3	19	44	34	omrs	omr	omr	*
Stornoway ...	1004·0	49	WSW	6	orq	1001·0	0	45	-2	SW	1	-	odp	1	4	50	45	orq	orq	odp	0·0
Castlebay (Barrals)	1007·5	48	SW	4	0	1001·9	-2	45	-2	NW	2	-	od	3	3	49	45	r0	0	prd	0·0
Glasgow ...	1011·0	48	WSW	4	cm	1006·7	-3	46	+1	SSW	4	-	om	*	1	49	44	oc.odp	odp.cm	c.omdp	0·4
Malin Head ...	1009·7	47	SSW	5	cq	1004·3	-3	47	+2	SSW	4	SW	cq	4	-	50	43	cq	cq	cq	2·7
Blacksod Point	1011·2	48	SSW	5	omg	1003·9	-4	48	+3	SSW	6	-	omr	4	2	50	44	cm	ogm	om.omr	*
Roche's Point ...	1017·4	50	SW	3	0	1012·4	-3	47	+2	SW	3	W	c	3	0·3	51	45	op.o	o	ocpc	*
Birr Castle ...	1015·1	51	WSW	1	0	1009·3	4	47	+1	S	1	-	c	*	1	52	45	o	o	op.c	0·0
Donaghadee ...	1012·5	51	W	2	m	1008·2	-2	46	0	SW	2	-	ogm	2	-	55	45	cgm	cgm	cgm	*
Liverpool (Bidston)	1015·1	47	W	2	o	1011·6	-2	46	+1	SW	2	-	o	2	-	53	44	c	o	o	3·5
Holyhead ...	1015·1	47	SW	4	og	1010·0	-2	45	-1	SW	3	-	cgm	2	-	53	44	c	og	ogdm	1·0
Pembroke (St. Ann's Head)	1018·1	46	NW	1	c	1013·7	-2	45	-2	SW	2	-	o	1	-	51	45	o.c	o	c.o	0·6
Scilly (St. Mary's)	1019·0	51	N	2	bc	1015·5	-1	47	0	W	1	W	o	2	-	54	45	o.c	c.bc	o	5·6
Jersey (St. Aubin)	1017·6	49	NNW	2	c	1015·0	0	38	-6	N	2	N	cm	1	-	53	35	o	oc.o.bc	bw.cm.	0·6
Portland Bill ...	1017·4	47	W	1	0	1015·0	-1	46	-1	WSW	1	-	c	2	-	57	43	o.c	c.o	o.c	*
Dungeness ...	1016·2	46	SW	3	c	1014·4	-1	43	-1	SW	2	SW	bc	1	-	53	41	c	c	cb.bc	*
Wick	1003·9	50	W	3	omp	1000·8	0	45	-3	SSW	3	-	o	2	1	54	41	ogm	opm	opogm	*
Nairn	1006·0	51	-	0	c	1002·3	4	48	+3	WSW	3	-	cg	2	-	58	44	c.bcg.c	cgg	cgg	2·1
Leith	1010·3	50	SW	3	0	1006·6	-1	48	+1	SW	2	SW	c	2	-	54	47	ouqs	oc.b	oc.bc	*
Tynemouth ...	1011·9	52	WNW	1	cm	1009·4	-1	46	+1	SW	2	-	om	3	-	57	43	c	cm	om	*
Spurn Head ...	1014·7	46	WNW	1	cm	1012·4	-1	45	+2	WSW	3	-	c	3	-	53	42	om	ocm	c	0·5
Yarmouth (Gorleston)	1015·1	44	S	1	c	1013·5	-1	47	-2	W	2	-	odm	2	-	57	43	om.bc	bc.cm	cm.om	3·0
Clacton-on-Sea	1016·2	46	SSW	2	0	1014·3	-1	45	0	SW	1	-	cm	0	-	52	43	c.o3	o3.m	oc.m	0·1
Nottingham ...	1015·5	53	W	2	c	1013·0	*	47	0	W	2	W	om	*	0·1	56	44	od.c	o.c	c.o	0·6

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARY OF CONDITIONS AT 7 A.M. Monday, 7th April, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	S-SW under 10	Rather mild	Fair to cloudy, mist inland.	Variable	Smooth
2. E. England	SW-W up to 10	"	Dull, mist locally.	"	"
3. E. Midlands	Calm or W 5	"	Dull, light mist.	Ordinary	–
4. W. Midlands	SW-W 5	"	Dull, some mist	–	–
5. S.W. England	Variable 2-5	Moderate	Cloudy or dull, local mist or fog.	Ordinary	Smooth
6. South Wales	SW. 5	"	Dull	"	"
7. North Wales	SW. 10	"	Cloudy, some mist	Poor to ordinary	"
8. N.W. England	SW. 5	Rather mild	Dull	"	"
9. N. Midlands	SW-W. 5	"	Dull, light mist	"	–
10. N.E. England	SW. 5	"	Dull, misty.	Poor	Slight
11. E. Scotland	S-SW. 5-15	"	Dull, mist locally	Ordinary	Smooth
12. S.W. Scotland	SW. 5-15	"	Dull, mist inland	Variable	"
13. Isle of Man	SW. 5-10	"	Dull, some mist	–	"
14. N.& N.W. Scotland	SSW-WSW. 2-5	"	Dull.	–	"
15. Hebrides	SW-NW. 2-5	"	Dull, some rain	Ordinary	Smooth to slight
16. Orkneys and Shetlands	SW-W. 10-15	"	Dull; rain, mist or fog	Bad	Slight
17. N.W. Ireland	SSW. 25-30	"	Dull, some rain and mist	Poor	Moderate
18. N.E. Ireland	SSW-SW. 5-15	"	Cloudy or dull, mist locally	Ordinary	Smooth
19. S.E. Ireland	S-SW. up to 10	"	Cloudy	Ordinary	to mod. Smooth
20 S.W. Ireland	S-SW. 10-15	"	Cloudy or dull	Very good	Slight

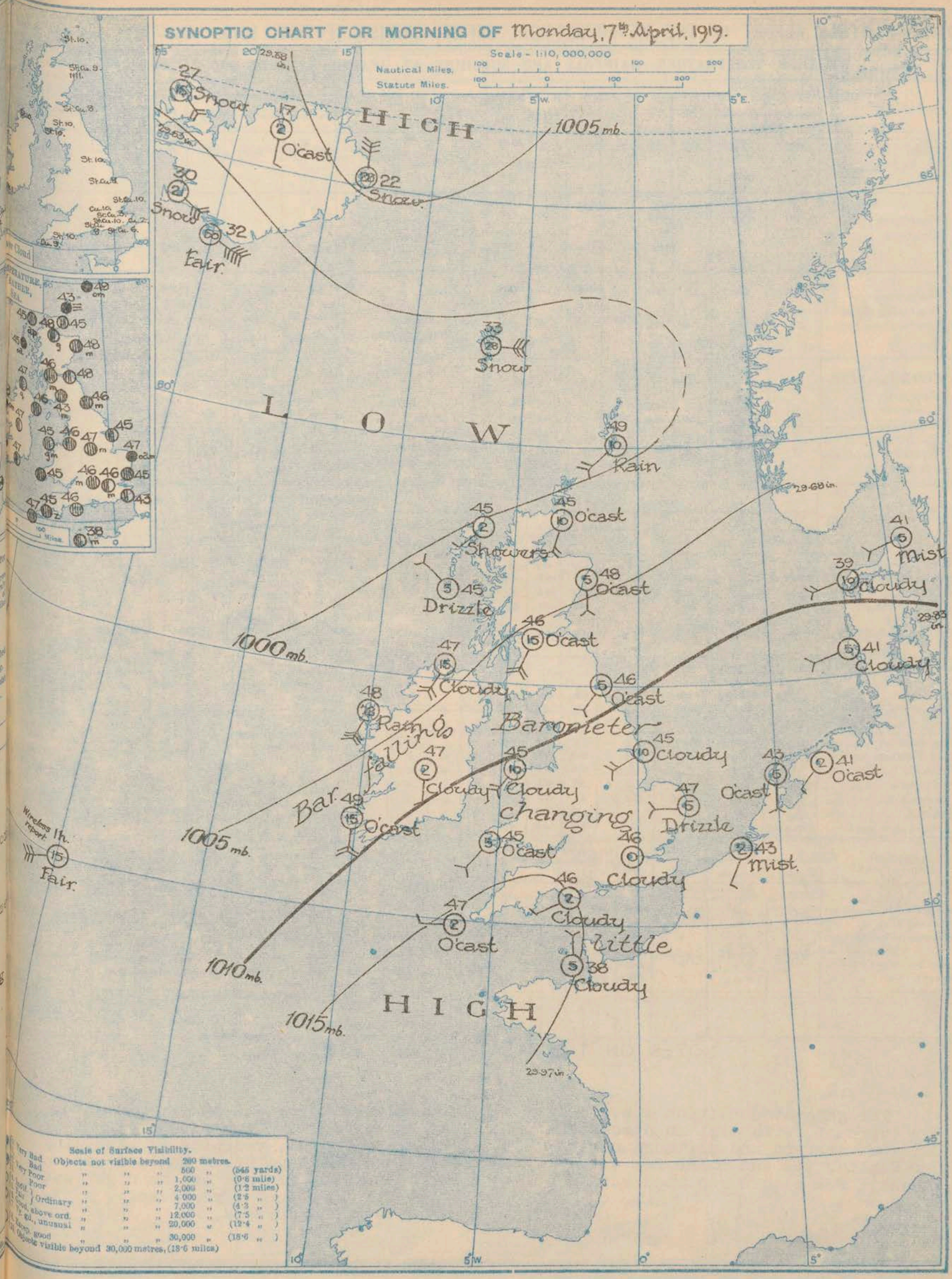
EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS.—
clear sky. sky ¼ clouded. sky ½ clouded. sky ¾ clouded. overcast sky. rain falling. snow. hail. fog. T thunder. R thunderstorm.
SEA DISTURBANCE.—Rough High

GENERAL INFERENCE from observations received up to 10 a.m.

Depressions centred on the Atlantic some distance to the westward of Ireland appear likely to move in a general east-north-easterly direction and to spread more over the British Isles. The Southerly to South-Westerly winds are consequently likely to continue, with gradually worsening weather.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Monday, 7th April, 1919	Further Outlook.
1. S.E. England 2. E. England 3 E. Midlands	Wind SW. or S, light. Mostly dull, slight rain locally, misty, Rather mild.	A Sly to SWly. type of condition will probably continue for some days, the wind current becoming more pronounced gradually.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Wind S or SW., light or moderate. Dull, some showers or rain, Mist locally. Mild	
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 S or SW., light to moderate or fresh Dull, some rain, mist locally. Rather mild.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind S. or SW, moderate, fresh or strong locally. Dull, rain at times, mist locally. Little change of temperature.	

Meteorological Office, Exhibition Road, London, S.W. 7. H. G. LYONS, Col., Director. R. G. K. LEMPFERT, C.B.E., Superintendent Forecast Division.


SYNOPTIC CHART FOR MORNING OF Monday, 7th April, 1919.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
HIGH
LOW
HIGH
1005 mb.
1000 mb.
1005 mb.
1010 mb.
1015 mb.
Bar. falling
Barometer changing little
Wireless report 1h.
Fair.
Snow
O'cast
Snow
Snow
Fair.
Snow
Rain
O'cast
Showers
Drizzle
O'cast
O'cast
Cloudy
Rain
Cloudy
Cloudy
O'cast
Cloudy
O'cast
Drizzle
Cloudy
O'cast
Cloudy
Cloudy
Mist
Cloudy
Cloudy
O'cast
Mist.
Scale of Surface Visibility.
Very Bad Objects not visible beyond 200 metres.
Bad " " " 500 " (546 yards)
Very Poor " " " 1,000 " (0·6 miles)
Poor " " " 2,000 " (1·2 miles)
Ordinary " " " 4,000 " (2·5 ")
Good, above ord. " " " 7,000 " (4·3 ")
Vy. gd., unusual " " " 12,000 " (7·5 ")
Exceptl. good " " " 20,000 " (12·4 ")
Objects visible beyond 30,000 metres, (18·6 miles)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 97B (Monday 7th April)

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

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h.-9h. 6th	Rainfall. Day. 9h.-17h. 6th	Sunshine. to 17h. 6th	Sunshine. Sunrise to Sunset. 5th
Scotland, N.	Banff	oc	bc	57	39	-	-	1·2	4·9
	St. Andrews ...								
England, N.E.	Harrogate	cbc	bcb	58	43	-	-	5·1	1·6
	Skegness								
England, E.	Felixstowe	cmbom	cm	56	42	-	-	1·2	0·9
	Walton-on-Naze...								
	Southend-on-Sea...	oz	oz	54	44	-	-	0·0	3·1
England, S.E.	Littlehampton	-	-	50	33	-	-	0·0	9·0
	Margate								
	Ramsgate	-	-	54	42	-	-	0·3	4·9
	Hastings	0	0	54	44	-	-	0·0	9·4
	Eastbourne... ...	0	0	53	41	-	-	0·4	10·9
	Worthing	0	0	53	43	-	-	0·0	*
	Bournemouth ...	-	-	57	43	Trace	-	1·1	8·5
England, N.W.	Southport	cbc.b.bc	co	51	43	0·2	-	2·2	0·0
Midlands.	Buxton								
	Leamington Spa...								
	Malvern								
	Ross-on-Wye ...	o	o	56	39	-	-	0·3	2·2
Wales.	Rhyl	bc.c	bc.c.o	52	45	-	-	5·6	1·2
	Colwyn Bay ...	-	-	53	48	-	-	4·2	*
	Llandudno	bc	o	51	44	-	-	2·4	*
	Aberystwyth ...								
England, S.W.	Weymouth								
	Torquay	o	o	51	43	-	-	0·0	*
	Penzance								
	Newquay	c	c	50	33	-	-	0·0	?
	Weston-s-Mare ...								

STATIONS.	Summaries for past 24 Hours. Weather 7h-13h 6th	13h-18h 6th	18h 6th-1h 7th	1h-7h 7th	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)...	to.f.	c.f.	d.f.	1o	48	34	*	*	*	*
Eskdalemuir	c.bc.c.d	c.bc.c.o	c.d.bme	omr	50	40	39	-	-	9·9
†Stranraer	c.o	ov	cv	c.o	54	43	*	*	*	*
†Lough Foyle	o	c	-	-	48	40	*	*	*	*
Valencia (Cahirciveen) ...	bc	oc	cg	c.o	54	48	48	-	-	0·7
†Anglesey (Llangefni) ...	-	-	oq	-	-	-	-	*	*	*
Falmouth	o.ccz	c.bc.cz	o	o	56	44	43	-	-	3·6
†Calshot (Hants)	-	o	op₀	o	53	42	*	*	*	*
†Capel (Folkestone)... ...	omz	oz	-	-	-	-	*	*	*	*
Aberdeen	ozoy	ozoz	c.oy	r.c	55	43	39	-	1	0·0
†East Fortune	o.q	oq	oq	oq	54	41	*	*	*	*
†Howden	-	c.oq	cq	c.o.o	56	43	*	*	*	*
†Felixstowe	c.oz	cz	oz	f.	58	42	*	*	*	*
†Cranwell (Lincs) ...	-	c.o	o.c.o	o.c.o	55	43	*	*	*	*
Benson	bc	c	-	-	56	43	42	-	-	*
London (Kew Obsy.) ...	om.c.o.o	o	-	-	55	44	41	-	-	0·2

BEAUFORT NOTATION.

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.
e wet air without rain falling.
f fog. g gloom.
h hail. l lightning.
m mist.
o overcast sky.
p passing showers.
q squalls.
r rain.
rs sleet, *i.e.*, rain and snow together.
s snow.
t thunder.
u ugly, threatening sky.
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.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0·3
1	1- 3	0·3- 1·6
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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0 = slight, 2 = heavy. Underlining is used to express continuity.

LONDON. OBSERVATIONS.

24 Hours ended 9h G.M.T. 7th

	Weather. Morning	Weather. Afternoon	Weather. Night	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours. Yesterday.	Humidity %. 15 h. G.M.T.	Humidity %. 9 h. G.M.T. To-day.
Greenwich (Royal Observatory)	o	oc	o.r₀	57	44	38	-	0·0	72	81
City (Bunhill Row)	*	*	*	*	*	*	*	0·0	*	*
Westminster (St. James's Park)	*	*	*	56	46	42	-	0·2	79	82
" (Admiralty Arch)	omd	cm.bc	c.opcm	56	46	*	-	0·2	73	83
Camden Sq. (British Rainfall)	-	-	*	56	46	44	-	0·3	—	80
Kensington Palace			*	56	46	41	-	*	*	86
Richmond Park	*	*	*	*	*	*	*	0·3	*	*

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total .....638..... Joules.

Average Rate. 11·3 Milliwatts.

Maximum Rate. 40 " "

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

7th and 8th April 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth ...	5.15	11.55	6.35
	5.12	11.55	6.37
Greenwich	5.25	12.2	6.40
	5.23	12.2	6.41
Wick ...	6.26	12.14	7.3
	5.23	12.14	7.5
Valencia ...	6.5	12.43	7.21
	6.2	12.43	7.23

NOTES ON THE WEATHER OF YESTERDAY.

The general condition was cloudy or overcast, with mist in places, but in some western and northern parts of England the sun shone for 4 or 5 hours. Few places reported rain, but at erwick there was 19 mm. and at Stornoway 4 mm. Temperature was moderately high, reaching or exceeding 55° in several parts of England and Scotland. The minimum of the night was high for the time of year except at Jersey and Berwick.

† Air Ministry Station. * Information for these columns not usually received.

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METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No 20,956 B Tuesday, 8th April 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form	Upper Cloud. Amt. 0-10.	Sea 0-9.
	13H G.M.T. of 7th April													
†Houton B. (Orkney)	1001·5	0	W	3	47	0	87	5	2-3000	St	10	-	-	2
Eskdalemuir ...	1006·1	-2	SSW	4	47	do	87	6	1½-2000	Nb	10	-	-	*
†Stranraer ...	1005·8	-3	SSW	3	51	0	82	8	?	?	?	?	?	*
†Lough Foyle ...	1004·0	-2	SSW	5	47	r0 f1	98	4	½-1000	Nb	10	-	-	4
Valencia (Cahirc'n) ...	1006·3	-1	WSW	3	50	0	75	2	1-1500	Cu	3	A. Cu	6	3
†Anglesey (Llangefni)														
Falmouth ...	1011·3	-4	SSW	3	51	c	82	5	-	Cu	7	ci	1	*
†Calshot (Hants) ...	1012·1	-3	SW	1	53	om	75	8	4-7000	Nb	8	A. Cu	2	2
†Capel (Folkestone)	1012·0	-4	SSW	1	50	b	75	-	½-1000	-	-	-	-	2
Aberdeen ...	1002·8	-1	SW	2	57	bcxy	55	5	-	St Cu	7	-	-	2
†East Fortune ...	1004·9	-2	SW	4	56	0	65	6	3-4000	St. Cu	9	-	-	*
†Howden ...	1009·8	-3	S	2	53	om	65	4	4-5000	St	10	-	-	*
†Felixstowe ...	1012·3	-3	SSE	1	52	0	75	4	5-6000	Cu	7	ci St	2	2
†Cranwell (Lincs)														*
Benson ...	1010·1	-5	S	2	55	c	65	4	-	-	-	-	-	*
London (Kew Ob.)	1010·7	-5	SW	1	59	bc	55	6	-	Cu	5	-	-	*
	1H G.M.T. of 8th April													
†Houton B. (Orkney)	998·1	-2	NW	1	42	0	98	5	3-4000	St Cu	3	A. St	7	2
Eskdalemuir ...	1001·0	-4	S	5	42	orm	98	1	½-1000	Nb	10	-	-	*
†Stranraer ...	991·1	-1	-	0	43	do	98	5	2-3000	St	10	-	-	*
†Lough Foyle ...														
Valencia (Cahirc'n) ...	1003·0	0	WNW	2	45	bc	-	-	-	-	-	-	-	2
†Anglesey (Llangefni)	1003·3	-4	SSW	3	44	r1	98	0	½-1000	Nb	10	-	-	4
Falmouth ...	1005·6	-3	W	2	47	r1	98	4	-	Nb	10	-	-	*
†Calshot (Hants) ...	1007·6	-2	SW	0	44	0	98	7	1½-2000	St Cu	10	-	-	2
†Capel (Folkestone)														
Aberdeen ...	999·2	-1	S	3	44	z1	92	3	3-4000	St Cu	7	-	-	*
†East Fortune ...	1000·6	-2	SSW	3	46	c	87	-	3-4000	Cu Nb	7	-	-	*
†Howden ...	1004·5	-3	?	1	45	0	65	4	4-5000	St Cu	10	-	-	*
†Felixstowe ...	1006·6	-1	S	1	43	0	92	-	-	St	8	-	-	3
†Cranwell (Lincs)	1004·7	-4	-	0	46	0	92	4	3-4000	St	10	-	-	*
Benson ...														*
London (Kew Ob.)	1006·5	-2	W	2	47	0	-	-	-	-	-	-	-	*

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity. ≥	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form	Upper Cloud. Amt. 0-10	Sea 0-9.
	18H. G.M.T. of 7th April													
†Houton B. (Orkney)														
Eskdalemuir ...														
†Stranraer ...														
†Lough Foyle ...														
Valencia (Cahirc'n) ...	1005·4	-1	WSW	3	50	bc	75	8	1½-2000	Cu	2	ci Cu	3	3
†Anglesey (Llangefni)														
Falmouth ...	1009·1	-2	WSW	3	48	bc	-	-	-	-	-	-	-	*
†Calshot (Hants) ...	1009·4	-2	WSW	1	48	b	87	7	-	-	-	A. St	4	4
†Capel (Folkestone)	1009·2	-2	SSW	1	47	b	75	6	5-6000	St Cu	4	-	-	2
Aberdeen ...	1001·2	-1	SSW	3	54	bcz,	65	6	-	St Cu	5	-	-	2
†East Fortune ...	1003·1	-2	SW	3	52	0	65	6	3-4000	St Cu	9	-	-	*
†Howden ...	1007·3	-4	S	1	51	0	65	4	4-5000	St	10	-	-	*
†Felixstowe ...	1009·0	-1	SE	1	45	0	92	3	5-7000	St	9	-	-	3
†Cranwell (Lincs)	1008·3	-3	SSW	1	51	0	65	6	4-5000	St Cu	7	A. St	3	*
Benson ...	1008·2	-1	-	0	53	c	82	4	-	Cu	7	-	-	*
London (Kew Ob.)	1008·1	-5	SW	1	57	byz,	55	6	-	Cu	1	-	-	*
	7H. G.M.T. of 8th April													
†Houton B. (Orkney)	996·5	0	W	1	41	r0 m	98	5	½-1000	St	7	A. St	3	2
Eskdalemuir ...	999·8	0	SW	3	41	om	92	5	1½-2000	St	4	A. St	6	*
†Stranraer ...	1000·0	-1	-	0	41	bc	92	7	2-3000	St	2	ci St	2	*
†Lough Foyle ...	998·7	0	SSW	5	45	b	92	8	1½-2000	St. Cu	2	-	-	4
Valencia (Cahirc'n) ...	1003·4	0	-	0	40	bcw	92	8	2-3000	Cu	6	-	-	3
†Anglesey (Llangefni)														
Falmouth ...	1005·4	+1	WNW	3	45	b	92	5	-	Cu Nb	3	-	-	*
†Calshot (Hants) ...	1004·3	-3	SW	1	46	0	98	7	3-4000	St	10	-	-	3
†Capel (Folkestone)	1005·1	-1	NW	2	42	bc	92	5	3-4000	Cu	?	A. Cu	?	2
Aberdeen ...	997·7	-1	SSW	2	46	r0 m	98	3	-	Nb	10	-	-	*
†East Fortune ...														*
†Howden ...	1002·0	-3	SSE	1	43	of2	98	2	4-5000	St Cu	5	A. Cu	2	*
†Felixstowe ...	1004·0	-2	WSW	1	43	c	92	3	4-5000	Cu	7	-	-	3
†Cranwell (Lincs)	1002·1	-4	-	0	44	0	92	4	3-4000	St	10	-	-	*
Benson ...														*
London (Kew Ob.)	1002·9	-2	SSW	3	44	0	98	4	-	St Cu	10	-	-	*
	1004·0	-1	SW	1	45	cz	87	4	-	St Cu	7	A. Cu	1	*

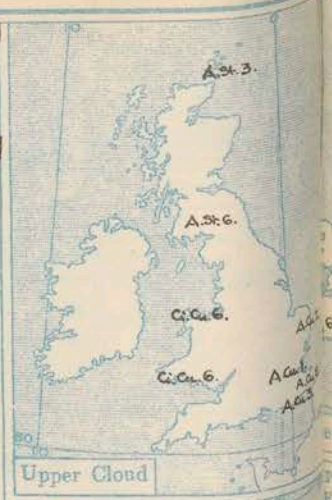
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather	Barometer. at M.S.L. m.b.	Barometer. ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	18H. G.M.T. of 7th April					7H. G.M.T. of 8th April									24 HOURS ENDED 7A. 8th April						7th April
Lerwick ...	1000·4	46	SSW	3	cm	997·1	-2	44	0	S	2	-	om	1	6	47	42	omd	cm	omp	*
Stornoway ...	998·8	45	S	1	0	995·4	-2	42	-3	S	1	-	b	1	1	48	40	op	o	c.b	0.0
Castlebay (Barra Is)	999·7	46	SW	3	od	995·3	-1	45	0	S	4	S	bc	4	1	47	43	od	od	d.o.bc	0.0
Glasgow ...	1002·5	50	S	4	omg	999·6	0	42	-4	WSW	2	S	c	*	0.2	54	42	om.ou.c	odp	omd.pc	1.1
Malin Head ...	1000·2	44	SW	2	cp	997·2	-2	40	-7	SSE	4	-	b	3	4	51	39	omqr	omqr	b	*
Blacksod Point	1001·5	47	SW	4	bcv	998·1	-1	43	-5	SW	5	SW	bcqph	4	8	49	41	ogr	bcp	bcqph	*
Roche's Point ...	1005·6	47	WSW	3	r	1004·2	0	39	-8	-	0	NW	b	1	5	49	37	cog	r	o.bx	*
Birr Castle ...	1001·5	47	W	1	c	1001·7	*	37	-10	S	1	S	bc	*	1	55	34	c	op.c	c.bcx	2.8
Donaghadee ...	1002·9	49	SW	4	ogmqp	1000·6	-1	38	-8	SW	2	-	bm	2	0.2	57	37	ogm.cg	cmq.og	ogr.bmw	-
Liverpool (Bidston)	1006·4	49	SW	2	0	1000·8	-3	42	-4	S	2	S	r	2	3	54	42	r	copd	c.or	0.5
Holyhead ...	1005·4	46	SSW	5	cm	1001·4	0	43	-2	WNW	3	-	b	1	9	51	42	bcm	cm	opr.pc	6.6
Pembroke (St. Ann's Head)	1008·0	46	S	3	ov	1004·1	+2	44	-1	W	3	-	b	2	7	47	43	orf	ov	op.orc	0.2
Scilly (St. Mary's)	1009·2	49	SW	2	c	1006·3	0	45	-2	WNW	4	W	bc	4	2	52	44	opc	c.o	op.bcp	1.9
Jersey (St. Aubin)	1010·3	48	ENE	1	b	1005·6	-2	47	+9	W.	3	-	b	3	1	51	37	cm.b.o	o.c.o	op.b	0.4
Portland Bill ...	1009·5	46	SW	1	b	1003·2	-6	48	+2	SW	2	-	or	2	3	50	45	c.b	b	c.or	*
Dungeness ...	1008·6	48	S	2	b	1004·4	-1	43	0	W	2	-	b	1	-	53	37	bc.b	b.bc	bc.b	*
Wick	999·9	43	E	2	om	997·6	0	43	-2	WNW	1	-	omr	1	6	48	42	omd	omd	omr	*
Nairn	999·0	51	W	3	c	996·8	*	41	-7	WSW	1	-	cg	1	2	56	40	cg	c.bc.cq	cgwp	1.0
Leith	1002·3	52	SW	2	c	998·5	0	45	-3	SW	2	-	o	2	-	57	44	c.ou.c	cp.o.cd	cw.og.o	*
Tynemouth ...	1005·2	52	SW	2	om	1000·1	-1	45	-1	SW	2	-	rm	3	-	54	44	om	om	omr	*
Spurn Head ...	1007·6	52	SW	2	o	1002·3	-1	43	-2	S	1	-	c	2	-	54	41	c	c	o.c	0.0
Yarmouth (Gorleston)	1009·5	44	S	3	bc	1004·5	-2	44	-3	W	2	-	bcm	2	-	51	40	omd.bc	bcm	bcm	4.0
Clacton-on-Sea	1008·9	45	ESE	2	bc	1004·2	-2	43	-2	SW	2	-	om	2	-	54	41	cm.	c.o.bcz	bc.c.om	7.5
Nottingham ...	1007·4	52	S	2	o	1002·3	*	45	-2	WSW	2	SW	o	*	1	56	43	o.c	c.o	o.c	0.3

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARY OF CONDITIONS AT 7 A.M. — Tuesday, 8th April, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	SW-W. 2-10	Moderate	Fair to dull, local rain and mist.	Variable	Slight
2. E. England	SW-W. 5-10	"	Fair to dull, some mist.	Poor to ordinary	Smooth
3. E. Midlands	SSW-WSW. 10	Rather mild.	Dull, some mist	"	–
4. W. Midlands	SW-W. 5	Moderate	Fair to dull.	Ordinary	–
5. S.W. England	WNW-SW. 5-15	"	Variable sky, local rain.	"	Slight
6. South Wales	W. 10	"	Fine.	"	Smooth
7. North Wales	WNW. 10	"	Fine.	"	"
8. N.W. England	S-SW. 5	"	Dull, some rain.	–	"
9. N. Midlands	WSW. 5	Rather mild.	Dull.	Ordinary	–
10. N.E. England	S-SW. up to 5	"	Dull, local rain, mist & fog	V. poor	Slight
11. E. Scotland	S-W. up to 10	"	Dull, local rain & mist.	Variable	Smooth
12. S.W. Scotland	Calm or SW. 5-10	"	Fair to dull, local mist.	"	"
13. Isle of Man	SW. 5	Moderate	Variable cloud.	–	"
14. N.&N.W. Scotland	S-W. 2	"	Variable cloud, local mist and rain.	Variable	"
15. Hebrides	S. 2-15	"	Fine or fair.	Ordinary	Smooth or moderate
16. Orkneys and Shetlands	S-W. under 10	Rather mild.	Dull, misty & rainy.	"	Smooth
17. N.W. Ireland	SW. 20	Moderate	Fair, local showers.	Good	Moderate
18. N.E. Ireland	SE-SW. up to 20	Rather cold.	Fine, local mist	Variable	Slight
19. S.E. Ireland	S-W. up to 10	"	Fair	Ordinary	Smooth
20 S.W. Ireland	Calm or W. under 10	"	Fine or fair.	Variable	Slight



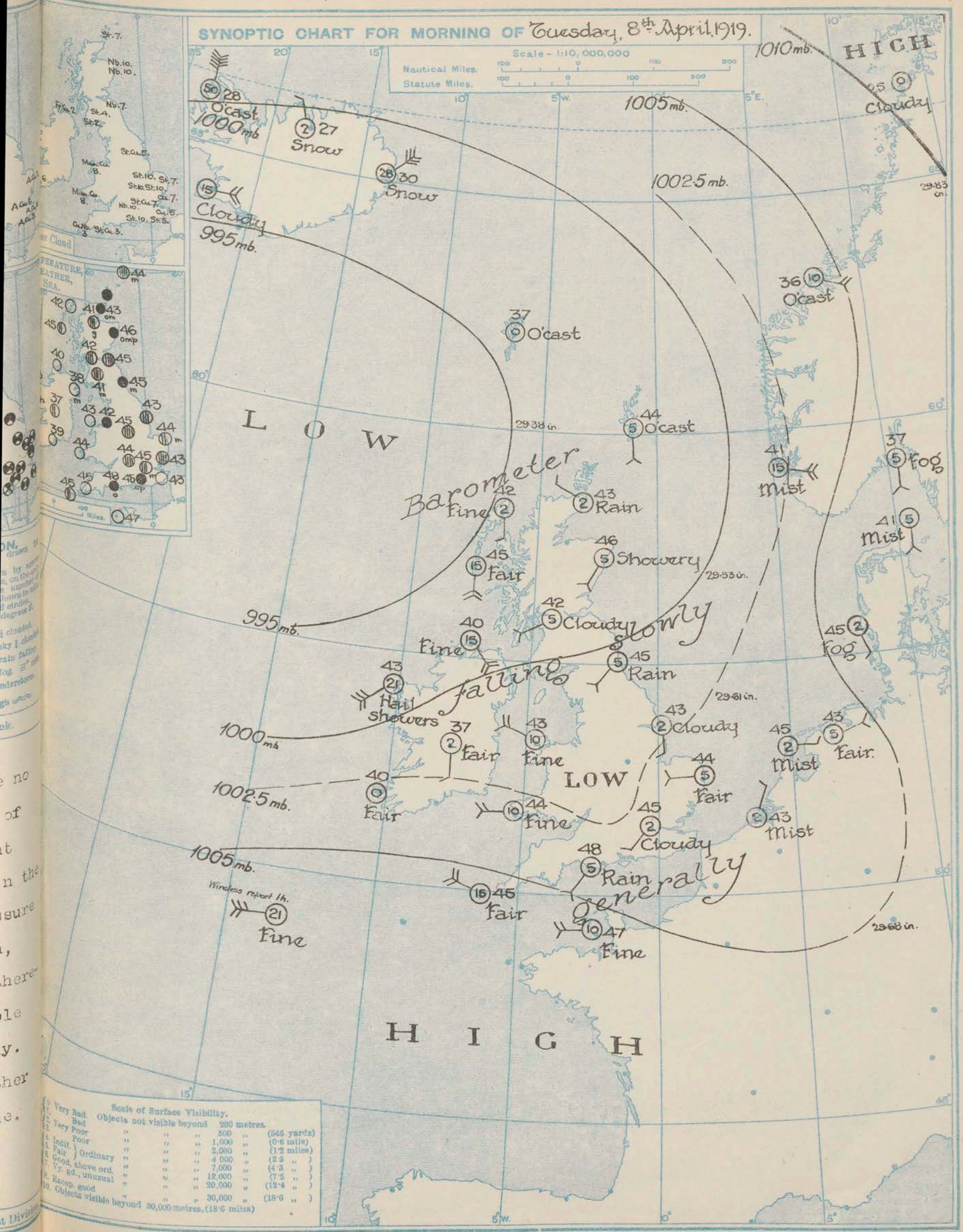
EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS.—
clear sky. sky ½ clouded. sky ¾ clouded. overcast sky. rain falling. snow. hail. fog. thunder. thunderstorm.
SEA DISTURBANCE.— Rough High

GENERAL INFERENCE from observations received up to 10 a.m.

Pressure is still low to the north-westwards of the British Isles, and shallow secondary depressions are now passing eastward across Great Britain. An unsettled type of weather with local showers and winds between S. and W. is consequently to be expected.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Tuesday, 8th April, 1919	Further Outlook.
1. S.E. England 2. E. England 3 E. Midlands	Wind from S. and SW. or W, light. Cloudy or overcast, local showers, fairer intervals. Mild.	There are no indications of any important alteration in the general pressure distribution, and it is, therefore, probable that the SWly. type of weather will continue.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind between S. and W, light generally, moderate locally. Cloudy or variable sky, some local showers. Little change of temperature.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind S. or SW. light to moderate. Cloudy or dull, some rain and mist. Mild.	
17. N.W. Ireland 18. N E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind S. to SW. or W, light to moderate. Variable sky, some showers. Little change of temperature.	

Meteorological Office, Exhibition Road, London, S.W. 7. H. G. LYONS, Col., Director. R. G. K. LEMPFERT, C.B.E., Superintendent Forecast Division.


SYNOPTIC CHART FOR MORNING OF Tuesday, 8th April, 1919.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
HIGH
LOW
LOW
HIGH
1010mb.
1005mb.
1002·5 mb.
995mb.
1000mb
995mb.
1000mb
1002·5mb.
1005mb.
29·83 in.
29·38 in.
29·53 in.
29·61 in.
29·68 in.
Barometer slowly falling generally
Wireless report 1h.
Scale of Surface Visibility.
0. Very Bad. Objects not visible beyond 200 metres.
1. Very Bad
2. Very Poor " " " 500 " (546 yards)
3. Indif. Poor " " " 1,000 " (0·6 mile)
4. Fair } Ordinary " " " 2,000 " (1·2 miles)
5. Good, above ord. " " " 4,000 " (2·5 ")
6. Vy. Gd., unusual " " " 7,000 " (4·3 ")
7. Excep. good " " " 12,000 " (7·5 ")
8. " " " 20,000 " (12·4 ")
9. " " " 30,000 " (18·6 ")
10. Objects visible beyond 30,000 metres. (18·6 miles)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 98B. Tuesday 8th April

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

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h.-9h. 6th	Rainfall. Day. 9h.-17h. 7th	Sunshine. to 17h. 7th	Sunshine. to Sunset 6th
Scotland.	Banff	oc	bcc	57	45	1	-	2.6	1.6
	St. Andrews	-	-	56	44	-	-	4.0	?
	Montrose	-	-	57	44	-	-	3.1	?
England, N.E.	Harrogate	o	o.c.	51	41	-	-	1.2	6.3
	Skegness	bc	o	55	41	-	-	5.3	?
England, E.	Felixstowe	om.bm	bc.bm	53	43	-	-	7.0	1.2
	Walton-on-Naze								
	Southend-on-Sea	c.bc.	bc.c.o	61	43	-	-	6.4	0.0
England, S.E.	Littlehampton	-	-	-	-	-	-	4.0	?
	Margate	-	-	56	44	-	-	7.8	?
	Ramsgate	-	-	54	42	-	-	7.8	0.3
	Hastings	b.bc.o	b	56	40	-	-	6.6	0.0
	Eastbourne	bc.	bc	59	36	-	-	5.5	0.4
	Worthing	bm	b	55	36	-	-	4.8	0.0
	Bournemouth	-	-	56	42	-	-	10.0	1.1

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h.-9h. 6th	Rainfall. Day. 9h.-17h. 7th	Sunshine. to 17h. 7th	Sunshine. to Sunset 6th
England, N.W.	Southport	bc.c.o.c	bc.c.op.	56	45	-	0.1	1.7	2.2
Midlands.	Buxton	-	-	50	41	-	-	0.6	?
	Leamington Spa	o	o	54	42	-	-	0.0	?
	Malvern								?
	Ross-on-Wye	om.co	-	56	43	-	-	0.6	0.3
Wales.	Rhyl	c.bc.c	-	52	45	-	-	1.8	5.8
	Colwyn Bay	-	-	56	50	-	-	5.7	4.2
	Llandudno	c	cb	54	46	-	-	1.7	2.4
	Aberystwyth	-	-	47	45	-	-	0.0	?
England, S.W.	Weymouth	bcb	b	57	44	-	-	7.0	?
	Torquay	oc	c.bc.c.o	56	46	0.4	0.1	2.4	0.0
	Penzance	c.bc	bc.c	53	45	-	-	1.4	?
	Newquay	c	c.o	50	42	-	-	0.6	1.3
	Weston-s-Mare	o.c.	bc.c	54	43	-	-	1.0	?

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h.-13h. 7th	Weather 13h.-18h. 7th	Weather 18h.-1h. 8th	Weather 1h.-7h. 8th	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h.-18h.	Rainfall. Night. 18h.-7h.	Sun. Hours.
†Houton Bay (Orkney)	c.om	pdo.c	r1.c	r1.f1	48	40	*	*	*	*
Eskdalemuir	omo.m	op.o.c	o.c.o.m	o.m.o	50	39				
†Stranraer	c.pdo	o.po	c	bc.c	52	39	*	*	*	*
†Lough Foyle	ro		-	bc.c.r.	49	38	*	*	*	*
Valencia (Cahirciveen)	o.r.o	o.c.bc.	bcp	b.oc.o.cp	51	38	34	3	1	3.7
†Anglesey (Llangefni)	-	-	o p1	-	-	-	*	*	*	*
Falmouth	o.c.g.c	c.bc.c	or	or.bc	56	48	41	-	4	3.8
†Calshot (Hants)	f1.c.o	b	o	o.p.	57	39	*	*	*	*
†Capel (Folkestone)	cz	b.bcz	-	b.bcz.	53	40	*	*	*	*
Aberdeen	oz.bcz	c.bcz	z1	bc.om	58	44	41	-	-	5.0
†East Fortune	c.o	c.o	bc.cq	c.o	58	43	*	*	*	*
†Howden	o.c.o	o.om	om.p.	f1.p1	54	30	*	*	*	*
†Felixstowe	bc.c.bo	bc.cz	bc.cz	bc.cz	53	45	*	*	*	*
†Cranwell (Lincs)	-	c	c.o	ro	56	42	*	*	*	*
Benson	o.bc	c	-	bc.o	58	37	28	-	-	*
London (Kew Obsy.)	cmo.bcq	cb.c.bq	c.b.bc.c	bcm	60	42	33	-	-	6.1

BEAUFORT NOTATION.

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.
e wet air without rain falling.
f fog. g gloom.
h hail. l lightning.
m mist.
o overcast sky.
p passing showers.
q squalls.
r rain.
rs sleet, *i.e.*, rain and snow together.
s snow.
t thunder.
u ugly, threatening sky.
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.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Limits of Velocity. 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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

LONDON. OBSERVATIONS.

	Weather. Morning	Weather. Afternoon	Weather. Night	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass °F.	Rainfall. mm.	Sunshine to Sunset. Hours.	Humidity % 15 h. G.M.T.	Humidity % 9 h. G.M.T.
	24 Hours ended 9h G.M.T. 8th							Yesterday		To-day.
Greenwich (Royal Observatory)	o.c	c	b.c.o	63	41	28	-	5.3	53	80
City (Bunhill Row)	*	*	*	*	*	*	*	3.1	*	*
Westminster (St. James's Park)	*	*	*	62	43	40	-	4.5	60	83
" (Admiralty Arch)	om.z	bc	bc.cm	61	43	*	-	3.8	54	81
Camden Sq. (British Rainfall)	c.bc	bc	*	63	42	37	-	3.8	46	79
Kensington Palace	bc	c.bc	*	63	42	33	-	*	*	80
Richmond Park	*	*	*	*	*	*	*	6.3	*	*

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total 1019 Joules.

Average Rate 21·4 Milliwatts.

Maximum Rate 68 "

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

8th & 9th April 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.12	11.55	6.37
	5.10	12.55	6.39
Greenwich	5.23	12.2	6.41
	5.21	12.2	6.40
Wick	5.23	12.14	7.5
	5.20	12.14	7.7
Valencia	6.2	12.43	7.23
	6.0	12.43	7.25

NOTES ON THE WEATHER OF YESTERDAY.

Rain fell over the greater part of the Kingdom, but most of the measurements were slight or moderate. Temperature was again rather high generally, the maximum being above 55° over a very wide area, 59° at Eastbourne, 60° at Kew, and 61° at Southend-on-Sea. Bright sunshine was more prevalent in the south-east and south than elsewhere, but some places in North Wales recorded between 5 and 7 hours. In Ireland and the English Midlands the day was mostly dull.

† Air Ministry Station

* Information for these columns not usually received.

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METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No. 20,957 B. Wednesday, 9th April ..... 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form	Upper Cloud. Amt. 0-10.	Sea 0-9.
	13H G.M.T. of 8th April													
†Houton B. (Orkney)	996·3	0	–	0	45	0	<40	8	3-4000	Cu	6	A. Cu	3	1
Eskdalemuir ...	999·0	0	SW	3	48	c	45	8	–	Cu	6	Ci	1	×
†Stranraer ...	1000·0	0	SSW	2	52	b	65	8	3-4000	St Cu	3	–	–	×
†Lough Foyle ...	998·4	-2	SW	7	40	r_{S_2}	98	3	1-1500	Nb	8	–	–	4
Valencia (Cahirc'n)	1003·4	0	WSW	4	48	b	65	10	2-3000	Cu	2	Ci Cu	1	4
†Anglesey (Llangefni)	1002·3	0	WSW	3	48	bc	75	7	5-6000	Cu	5	–	–	4
Falmouth ...	1005·7	0	WSW	6	53	bc	65	6	–	Cu Nb	6	–	–	×
†Calshot (Hants) ...	1003·8	0	WNW	5	54	v	82	6	4-5000	St Cu	5	–	–	3
†Capel (Folkestone)	1004·1	0	WSW	3	45	0	98	4	2-3000	St	10	–	–	2
Aberdeen ...	997·4	0	SE	2	51	0	75	7	–	Cu	4	Ci St	10	2
†East Fortune ...														×
†Howden ...	1001·0	0	WSW	3	47	r_0m	87	3	2-3000	St	10	–	–	×
†Felixstowe ...	1003·0	-1	SSW	3	50	0	75	5	3-4000	Nb	10	–	–	3
†Cranwell (Lincs)														×
Benson ...	1002·5	+1	NNW	2	46	bc	98	7	–	–	–	–	–	×
London (Kew Ob.)	1002·5	-2	S	2	52	c	87	5	–	St Cu	8	–	–	×
	1H G.M.T. of 9th April													
†Houton B. (Orkney)	996·3	0	WSW	2	38	b_1	87	6	5-7000	Cu	2	–	–	1
Eskdalemuir ...	1001·0	0	SSW	2	35	c	92	6	–	Cu Nb	8	–	–	×
†Stranraer ...	1001·1	+1	SW	3	39	b_1	98	5	2-3000	St	2	–	–	–
†Lough Foyle ...														
Valencia (Cahirc'n)	1006·9	+3	WNW	5	45	bc	–	–	–	–	–	–	–	5
†Anglesey (Llangefni)	1003·2	0	WSW	2	40	b_1	92	1	7-9000	Nb	2	–	–	2
Falmouth ...	1007·3	+1	W	1	40	b_1	98	7	–	Cu Nb	2	–	–	×
†Calshot (Hants) ...	1006·3	0	WSW	1	42	0	98	8	3-4000	St Cu	9	–	–	3
†Capel (Folkestone)														
Aberdeen ...	997·1	+1	SW	3	39	b_1	92	5	–	–	–	A. St	1	×
†East Fortune ...	995·1	0	SW	2	40	b_1	75	–	–	–	–	A. St	1	×
†Howden ...	1002·9	0	SSW	2	35	x	87	5	5-7000	St Cu	2	A. St	2	×
†Felixstowe ...	1005·2	0	WNW	1	40	b	92	–	–	–	–	–	–	2
†Cranwell (Lincs)	1004·0	+3	W	2	38	b_1	82	5	4-5000	Cu	1	Ci	1	×
Benson ...														×
London (Kew Ob.)	1005·5	+1	W	1	43	bc	–	–	–	–	–	–	–	×

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form	Upper Cloud. Amt. 0-10	Sea 0-9.
	13H G.M.T. of 8th April													
†Houton B. (Orkney)	996·5	0	ENE	3	42	c	92	6	7-9000	Cu	1	A. St	4	1
Eskdalemuir ...	1000·1	+2	SSE	1	40	bc	87	8	4-5000	Cu St b	6	–	–	×
†Stranraer ...	999·8	0	WSW	3	45	b_1	75	8	3-4000	Cu Nb	4	A. Cu	1	×
†Lough Foyle ...	998·5	+1	WSW	6	43	bc	92	6	2-2000	Cu	6	–	–	4
Valencia (Cahirc'n)	1004·5	+2	W	4	45	c	75	8	1½-7000	St	7	–	–	4
†Anglesey (Llangefni)	1002·4	0	WSW	4	45	bc	87	8	½-1000	Nb	4	A. St	2	4
Falmouth ...	1005·9	0	WSW	5	48	b	–	–	–	–	–	–	–	×
†Calshot (Hants) ...	1004·7	0	W	3	49	bc	87	8	2-3000	St Cu	5	–	–	4
†Capel (Folkestone)	1003·9	0	N	3	46	bc	87	5	2-3000	St	5	–	–	2
Aberdeen ...	996·7	+1	S	2	49	z_1	65	5	–	Cu	6	–	–	2
†East Fortune ...	998·2	+1	WNW	4	51	bc	55	6	3-4000	Nb	1	Ci St	2	×
†Howden ...	1001·2	+7	WSW	3	48	bc	65	6	5-7000	St Cu	3	A. Cu	2	×
†Felixstowe ...	1002·2	+1	NW	2	47	b_1	82	6	–	Cu	3	A. St	1	2
†Cranwell (Lincs)	1002·2	+1	–	0	44	z_2	92	4	3-4000	St	4	Ci	2	×
Benson ...	1004·0	0	W	2	48	b_1	75	8	–	Cu	2	–	–	×
London (Kew Ob.)	1004·0	+2	–	0	48	bc	82	8	–	Cu	3	A. St	1	×
	7H G.M.T. of 9th April													
†Houton B. (Orkney)	996·6	0	WSW	4	33	c	92	6	1-1500	St Cu	4	–	–	2
Eskdalemuir ...	1002·1	+2	SW	3	37	0m	92	6	1½-2000	St	9	–	–	×
†Stranraer ...	1001·5	+4	W	3	41	b_1	92	7	3-4000	St	1	Ci St	1	×
†Lough Foyle ...	1003·9	+5	WNW	5	40	r_{S_2}	87	5	2-4000	St	6	–	–	3
Valencia (Cahirc'n)	1010·3	+5	WNW	4	42	bc	75	10	2-3000	Cu	2	–	–	4
†Anglesey (Llangefni)	1005·0	+4	W	1	42	c	92	6	3-4000	St Cu	8	–	–	3
Falmouth ...	1005·7	+2	WNW	4	42	b_1	87	6	–	Cu Nb	3	–	–	×
†Calshot (Hants) ...	1007·3	0	NW	1	40	0	98	0	4-5000	St Cu	9	–	–	2
†Capel (Folkestone)	1006·3	+5	NNW	3	43	0	75	5	3-4000	St Cu	9	–	–	2
Aberdeen ...	998·3	+2	–	0	39	bzw	98	3	–	St Cu	1	–	–	2
†East Fortune ...	1000·0	+2	WSW	4	40	q	82	7	4-5000	St Cu	4	–	–	×
†Howden ...	1003·8	+2	S	2	36	x	98	3	–	–	–	A. Cu	2	×
†Felixstowe ...	1006·6	+2	W	2	40	b	92	3	–	–	–	–	–	2
†Cranwell (Lincs)	1004·8	+1	W	2	39	b_1	92	4	4-5000	Cu	1	Ci	1	×
Benson ...	1000·3	+2	–	0	36	0	98	5	–	St Cu	10	–	–	×
London (Kew Ob.)	1006·8	+3	–	0	39	bm	87	2	–	St Cu	1	A. Cu	2	×

STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather	Barometer. at M.S.L. m.b.	Barometer. ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	18H G.M.T. of 8th April					7H G.M.T. of 9th April									24 HOURS ENDED 7H. 9th April						8th April
Lerwick ...	996·8	46	SW	2	cz	996·7	+1	41	-3	SSW	1	–	bcm	1	1	47	39	omd	cm	f.bc	×
Stornoway ...	993·2	46	SSW	4	bc	997·7	+4	39	-3	W	5	–	opq	4	3	48	37	b.bc	bc	opq	10·0
Castlebay (Barra Is)	994·9	46	WSW	4	bc	1000·1	+2	41	-3	NW	3	–	c	3	2	47	40	bcp.cm	cm.bc	bc pc	9·0
Glasgow ...	999·1	45	SW	3	c	1001·1	+3	40	-2	WSW	2	W	c	×	1	51	38	c.bc	bc.c	c.bcrp	6·8
Malin Head ...	997·2	44	WSW	4	bcq	1001·1	+2	39	-1	WNW	4	W	cqp	4	2	49	38	bcq	bcqp	bcq	8·9
Blacksod Point																					
Roche's Point ...	999·5	45	WSW	4	bcr	1006·0	+3	41	-2	WNW	4	NW	bcq	4	3	48	36	bcqph	bcph	cp.bcp	×
Birr Castle ...	1004·1	48	W	2	c	1008·8	+4	39	0	WNW	3	–	b	2	2	51	38	bcp	cphtc	c.bx	4
Donaghadee ...	1001·4	48	W	2	c	1007·3	*	37	0	WSW	1	W	bc	×	1	52	34	cp	c	c.bcx	8·9
Liverpool (Bidston)	1000·0	42	W	4	bcqp	1003·8	+2	37	-1	WSW	3	–	bm	2	2	55	36	bcm	bcq	bqpbc	×
Holyhead ...	1001·8	48	WNW	3	b	1004·2	+2	42	0	WSW	2	–	c	2	–	50	40	op.bc	b	c.o	8·1
Pembroke (St. Ann's Head)	1001·5	46	SW	4	cvp	1004·6	+2	42	-1	W	4	W	bc	2	trace	50	41	b.bc.c	b.bc.c	bc.b	10·4
Scilly (St. Mary's)	1004·8	46	WSW	3	bv	1007·1	+4	44	0	WNW	3	NW	b	2	–	49	42	bv	bv	b v.b	11·9
Jersey (St. Aubin)	1006·5	48	W	3	bc	1009·0	+1	45	0	NW	4	NW	c	4	1	53	43	bc	bcp	bc	10·1
Portland Bill ...	1007·5	49	WNW	3	b	1008·3	0	44	-3	WSW	2	–	oc	1	1	53	42	b.bc b	b	bw.ope	11·2
Dungeness ...	1004·5	47	WSW	4	b	1006·6	+1	44	-4	WNW	3	–	c	2	0·2	48	42	c.bc	bc	bc.cw	×
Wick ...	1003·1	48	WSW	4	b	1006·3	+1	39	-4	WSW	2	W	bc	2	–	50	37	bc	c.bc	c.b.bc	×
Nairn ...	996·2	44	S	3	bc	997·2	+3	39	-4	WNW	1	–	bc	2	0·4	50	34	omd.bc	bc	bc	×
Leith ...	995·4	48	W	1	bc	997·7	+	40	-1	–	0	–	bc	1	–	54	31	c.bc	bc	bcx	8·4
Tynemouth ...	997·9	48	SW	2	b	999·9	0	41	-4	SW	2	SW	b	2	–	55	39	o.c.bc	bc.c.b	b.bc.b	×
Spurn Head ...	999·1	45	SSW	2	om	1000·9	+2	41	-4	SW	2	–	f	3	2	49	37	omr	om	bmf	×
Yarmouth (Gorleston)	1001·1	46	–	0	cm	1003·8	0	48	-5	SW	3	–	bxm	3	2	51	37	om	orgm	bxm	0·0
Clacton on-Sea	1002·2	46	WNW	3	0	1005·3	+1	39	-5	WNW	3	–	bm	3	2	56	34	bcm	bc.omr	omp.bc	5·5
Nottingham ...	1003·2	47	WNW	3	bc	1005·9	+2	39	-4	WNW	3	–	bcz	2	2	54	36	om.cm.	c.op.bc	bc.bz	4·6
	1002·1	51	W	2	c	1004·9	*	37	-8	W	1		bmx	×	1	51	33	od	o.cpm	bc.b	0·1

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARY OF CONDITIONS AT 7 A.M. Wednesday, 9th April, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	W-NNW. 2-10	Moderate	Cloudy or dull, mist at Kew.	Ordinary	Smooth
2. E. England	W. 5-10	Rather cold	Fair to fine, local mist	Variable	"
3. E. Midlands	W. 0-5	"	" " " " "	"	
4. W. Midlands	W. up to 10	Moderate	Fair to fine.	Ordinary	
5. S.W. England	W-NW. 5-15	"	Variable cloud, fog at Plymouth.	Variable	Smooth
6. South Wales	WNW. 0	"	Fine	Good	"
7. North Wales	W. 5-15	"	Fair or cloudy.	"	"
8. N.W. England	WSW-WNW. 5	"	Cloudy		"
9. N. Midlands	SW W. 2-5	"	Fair or fine	Poor to ordinary	
10. N.E. England	SW. 2-10	"	Fine, fog at Tynemouth	Ordinary	Slight
11. E. Scotland	SW. up to 0	"	Fair or fine.	Variable	Smooth
12. S.W. Scotland	SW. 5-10	"	Fair to dull, local mist	Good	"
13. Isle of Man	W. up to 10	"	Cloudy to fine.		"
14. N.&N.W. Scotland	SW W. up to 0	"	Fair		Slight
15. Hebrides	W-NW. 10-2	"	Cloudy; snow showers & squalls at Stornoway.	-	Moderate
16. Orkneys and Shetlands	SW. 5-15	"	Fair to cloudy, local mist.	Good	Smooth
17. N.W. Ireland	WNW. 5	Rather cold.	Fair squally.	Ordinary	Moderate
18. N.E. Ireland	WSW-WNW. 0		Fair or fine, local showers, mist & squalls.	"	Slight
19. S.E. Ireland	WNW. 10-15	"	Fair or fine.	Good	Smooth
20 S.W. Ireland	WNW. 10-15	"	Fair or fine.	Exceptly good	Smooth to mod.

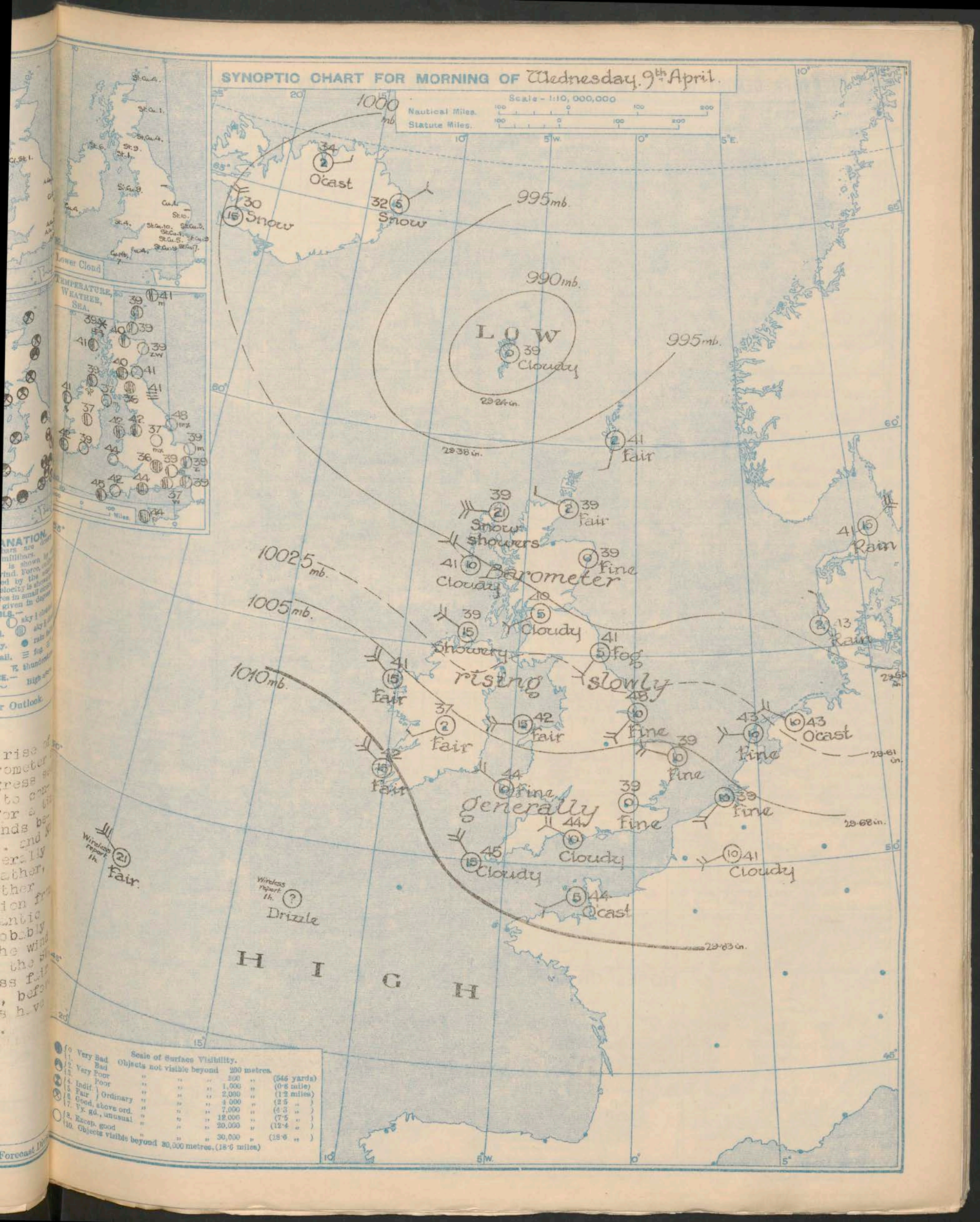
GENERAL INFERENCE from observations received up to 10 a.m.

A depression off the north of Scotland and very slight irregularities in pressure over our northern districts may be expected to cause local showers in their neighbourhood today, but there are no indications of the immediate approach of any other disturbing influence.

EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by the flying with the wind. Force, on the 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 degrees.
WEATHER SYMBOLS.—
clear sky. sky ½ clouded. overcast sky. snow. hail. thunder.
SEA DISTURBANCE.—Rough. High seas.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Wednesday, 9th April, 1919	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 W. and NW. Fair generally, cloudy at times. Cooler than of late.	The rise of the barometer in progress at is likely to continue for a time with winds between W. and N and generally fair weather, but another depression from the Atlantic will probably bring the wind back to the SW with less fair weather, before 48 hours have elapsed.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind light between W. and NW. Fair generally, but some local showers. Cooler than of late.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind from W. or NW. light. Variable sky, local showers. Rather cold.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind from W. or NW. Fair generally, but local showers in north. Moderate or rather low temperature.	

Meteorological Office, Exhibition Road, London, S.W. 7. H. G. LYONS, Col., Director. R. G. K. LEMPFERT, C.B.E., Superintendent Forecast Div.


SYNOPTIC CHART FOR MORNING OF Wednesday. 9th April.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
1000 mb.
995 mb.
990 mb.
995 mb.
1002.5 mb.
1005 mb.
1010 mb.
LOW
29.24 in.
29.38 in.
29.53 in.
29.61 in.
29.68 in.
29.83 in.
HIGH
O'cast
Snow
Snow
Cloudy
Fair
Snow showers
Fine
Rain
Barometer
Cloudy
Cloudy
Rain
Showery
fog
rising
slowly
Fair
Fair
Fair
Fair
Fine
Fine
O'cast
Fine
Fine
generally
Fine
Fine
Cloudy
Cloudy
Cloudy
O'cast
Fair
Drizzle
Lower Cloud
TEMPERATURE, WEATHER, SEA.
Scale of Surface Visibility.
0 Very Bad
1. Bad
2. Very Poor
3. Poor
4. Indif.
5. Fair } Ordinary
6. Good, above ord.
7. Vy. gd., unusual
8. Excep. good
9. Objects visible beyond 30,000 metres. (18·6 miles)
Objects not visible beyond 200 metres.
500 (546 yards)
1,000 (0·6 mile)
2,000 (1·2 miles)
4,000 (2·5)
7,000 (4·3)
12,000 (7·5)
20,000 (12·4)
30,000 (18·6)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 99B { Wednesday April 9th

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

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 7th.	Rainfall. Day. 9h-17h. 8th.	Sunshine. to 17h 8th.	Sunshine. Sunrise to Sunset. 7th.
Scotland,	Banff	c	c	50	45	–	–	5.5	2.6
	St. Andrews	–	–	–	–	–	–	–	?
	Montrose	–	–	57	42	–	–	5.1	3.1
England, N.E.	Harrogate	o.c	c.bc	52	40	–	–	2.9	1.2
	Skegness	o.bc.o	or	53	41	–	2	1.6	5.3
England, E.	Felixstowe	bcm	bc.or	52	41	–	0.3	2.7	7.2
	Walton-on-Naze	–	–	54	41	–	2	3.9	?
	Southend-on-Sea	bc.c.o	or t h	55	41	–	3	4.8	6.4
England, S.E.	Littlehampton	–	–	53	45	–	–	5.1	*
	Margate	bc	bc	56	44	1	–	3.9	8.0
	Ramsgate	b	pq	54	50	–	–	5.4	8.4
	Hastings	b.bc.o	o.bc	53	41	–	–	5.3	6.8
	Eastbourne	bc	bc	57	41	–	–	5.5	5.5
	Worthing	o	bc.b	55	42	–	–	5.5	4.2
	Bournemouth	–	–	56	41	2	3	8.0	10.0
England, N.W.	Southport	o.c.bc.b	bc.b	51	43	2	–	6.8	1.7
Midlands.	Buxton	–	–	49	38	0.2	–	2.0	0.6
	Leamington Spa	o.r.c.b	c.bc	54	43	1	1	2.5	0.0
	Malvern	c.bc	bc	54	42	3	1	5.0	?
	Ross-on-Wye	r c h.bc	c r p.bc	57	42	4	3	4.4	0.6
Wales.	Rhyl	o.bc	bc.c	50	42	5	–	8.3	1.8
	Colwyn Bay	–	–	52	43	4	–	7.8	5.7
	Llandudno	b	b	51	43	2	–	8.2	1.7
	Aberystwyth	–	r.c.b.	48	43	*	*	8.5	*
England, S.W.	Weymouth	p.bc	bc	56	45	2	–	8.0	8.7
	Torquay	b.	bc.b	54	45	1	–	9.2	2.4
	Penzance	bc	bc.pr.c	53	45	7	0.1	6.8	1.4
	Newquay	b	b	52	44	3	0.1	9.2	0.6
	Weston-s-Mare	bc.b	b.	57	44	4	–	8.6	1.0

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-13h 8th.	Weather 13h-18h 8th.	Weather 18h 8th-1h 9th.	Weather 1h-7h 9th.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)	o.c	bc.c	bc.cw	b.bc	47	36	*	*	*	*
Eskdalemuir	o o p c	b c p o r q q	bc.c o c.o c.o p c	o.o	51	32	26	2	0.2	3.8
†Stranraer	b.bcx	r p o	o p₁	b.bc	52	39	*	*	*	*
†Lough Foyle	b.bc	p r s₂	–	p₂	50	36	*	*	*	*
Valencia (Cahirciveen)	b.cb	b.bc.cp	bc	b b c p.	50	39	35	0.3	0.3	9.3
†Anglesey (Llangefni)	bc.cq	ps.bc.c	bc.c u	–	50	39	*	*	*	*
Falmouth	b.bcph	bc m c	b.bcp	b b c p	54	38	32	1	2	8.4
†Calshot (Hants)	p₁.bc.c	b.bc	p₁.bc.c	c.opo	56	39	*	*	*	*
†Capel (Folkestone)	c.o z	c.o z	–	o.o z	52	40	*	*	*	*
Aberdeen	o m c	bc.bcz	b.bc	bc.bzx	55	34	22	–	–	3.3
†East Fortune	–	bc.c	b c.c u	bc.cq	54	39	*	*	*	*
†Howden	c m.p₁	p o c	b.bcz	bz	51	29	*	*	*	*
†Felixstowe	b.o z	p₁ p₁	b.bc	zx	53	36	*	*	*	*
†Cranwell (Lincs)	–	c.o p₁	c.o.bbc	b.bc	48	35	*	*	*	*
Berwick	or	bc.c h r	–	bc.or	50	31	23	–	4	*
London (Kew Obsy.)	c m o r z	c.q p.bc	b	b m x	52	36	25	1	–	3.7

BEAUFORT NOTATION.

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.
e wet air without rain falling.
f fog. g gloom.
h hail. l lightning.
m mist.
o overcast sky.
p passing showers.
q squalls.
r rain.
rs sleet, *i.e.*, rain and snow together.
s snow.
t thunder.
u ugly, threatening sky.
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.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Limits of Velocity. 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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0 = slight, 2 = heavy. Underlining is used to express continuity.

LONDON. OBSERVATIONS.

	Weather. Morning	Weather. Afternoon.	Weather. Night.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours. Yesterday.	Humidity % 15 h. G.M.T. To-day.	Humidity % 9 h. G.M.T. To-day.
	24 hours ended 9h G.M.T. 8th									
Greenwich (Royal Observatory)	o	bc.p.c	r. bw.	55	37	26	1	3.7	74	79
City (Bunhill Row)	*	*	*	*	*	*	*	2.9	*	*
Westminster (St. James's Park)	*	*	*	53	37	29	1	3.2	79	85
" (Admiralty Arch)	o m o r	c m. bcp	bc.b	54	39	*	1	3.0	76	77
Camden Sq. (British Rainfall)	o.or	b.bc	*	53	35	31	1	3.0	72	81
Kensington Palace	o	bc.o	*	57	37	26	1	*	*	84
Richmond Park	*	*	*	*	*	*	*	4.6	*	*

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total 771 Joules.

Average Rate. 16·1 Milliwatts.

Maximum Rate. 66 ,,

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

April 9th & 10th 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.10	11.55	6.39
	5.8	11.54	6.42
Greenwich	5.21	12.2	6.42
	5.18	12.1	6.40
Wick	5.20	12.14	7.7
	5.17	12.13	7.5
Valencia	6.0	12.43	7.22
	5.58	12.42	7.22

NOTES ON THE WEATHER OF YESTERDAY.

Passing showers were experienced in most parts of the Kingdom, but the condition as a whole was fair and the sunshine records moderate to high. In the south-west of England, Wales and the Hebrides, some stations recorded 10 hours or more. In the Midlands and NE. of England, however, the day was dull. Temperatures exceeded 55° in various parts of the Kingdom but generally the maxima were less high than on the preceding day, and the minimum readings of the night were considerably lower, slight frost occurring locally inland.

† Air Ministry Station

* Information for these columns not usually received.

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METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No 20,958 B. Thursday, 10th April 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form	Upper Cloud. Amt. 0-10.	Sea 0-9.
13h. G.M.T. of 9th April														
†Houton B. (Orkney)	998·1	+2	W	4	44	bc	75	6	1½-2000	St	2	A.Cu	2	3
Eskdalemuir ...	1002·7	+1	SW	5	47	bcrq	55	10	4-5000	Cu Nb	5	Fa.Cu	1	×
†Stranraer ...	1005·4	+3	WNW	5	47	q	65	8	3-4000	St Cu	2	A.St	1	4
†Lough Foyle ...	1006·7	+2	WNW	6	45	c	75	8	2-3000	Cu	6	-	-	4
Valencia (Cahirc'n)	1012·2	+1	SW	4	46	o	75	10	2-3000	St	10	-	-	4
†Anglesey (Llangefni)	1007·5	+2	WNW	3	45	c	75	8	7-9000	Cu	7	-	-	5
Falmouth														
†Calshot (Hants) ...	1011·3	+2	NW	4	51	c	65	7	-	Cu Nb	7	-	-	×
†Capel (Folkestone)	1008·3	+1	WSW	2	52	q	82	8	1½-2000	St Cu	8	-	-	3
Aberdeen ...	1008·1	+1	W	4	42	r₂	98	5	3-4000	St Cu	10	-	-	3
†East Fortune ...	999·7	+1	SE	2	47	bc	65	8	-	Cu	6	-	-	2
†Howden ...	1001·6	-2	W	4	49	bc	65	6	3-4000	Cu Nb	4	A.St	1	×
†Felixstowe ...	1004·4	+1	SW	4	53	c	55	6	4-5000	St Cu	5	A.St	2	×
†Cranwell (Lincs)	1006·9	0	WNW	1	51	o	65	5	?	Cu	9	-	-	3
Benson ...														×
London (Kew Ob.)	1006·1	-1	W	3	53	c	55	7	-	-	-	-	-	×
	1007·2	0	SSW	2	50	c	65	7	-	Cu	5	A.St	3	×
18h. G.M.T. of 9th April														
†Houton B. (Orkney)	999·9	+3	WSW	6	39	b₁	82	6	2-3000	Fr.Cu	3	Fa.Cu	1	3
Eskdalemuir ...	1005·8	+3	W	4	40	bv	65	10	-	Cu Nb	2	Fa.Cu	1	×
†Stranraer ...	1007·4	+3	NW	3	42	h₁	87	8	1-1500	Nb	8	-	-	4
†Lough Foyle ...	997·7	+2	W	5	41	c	92	5	2-3000	Cu	8	-	-	4
Valencia (Cahirc'n)	1010·1	-2	S	4	45	or₀	92	7	1-1500	St	10	-	-	4
†Anglesey (Llangefni)	1009·1	+2	WSW	3	45	bc	75	8	5-7000	Cu	4	-	-	4
Falmouth														
†Calshot (Hants) ...	1013·7	+2	WNW	4	46	b	-	-	-	-	-	-	-	×
†Capel (Folkestone)	1009·3	+3	NNW	4	50	c	65	8	3-4000	St Cu	8	-	-	4
Aberdeen ...	1009·0	+2	WNW	5	43	c	75	4	3-4000	St Cu	6	A.St	7	4
†East Fortune ...	1002·1	+3	WNW	1	46	bc	55	8	-	Cu Nb	6	-	-	2
†Howden ...	1001·8	+3	WNW	5	46	v	65	8	5-7000	St Cu	3	-	-	×
†Felixstowe ...	1006·4	+4	WSW	5	47	b₁	65	6	4-5000	Cu Nb	3	-	-	×
†Cranwell (Lincs)	1008·2	+2	WNW	3	47	u	75	5	2-3000	Nb	7	-	-	4
Benson ...	1007·4	+4	NW	3	46	b₁	65	6	2-3000	St	2	Ci	1	×
London (Kew Ob.)	1009·2	+3	WSW	1	44	c	92	8	-	Cu	5	-	-	×
	1009·3	+5	WNW	1	48	c	65	7	-	Cu	6	-	-	×
1h. G.M.T. of 10th April														
†Houton B. (Orkney)	1000·8	+1	WSW	8	38	bc	92	6	2-3000	St Cu	4	-	-	4
Eskdalemuir ...	1008·6	+2	WSW	1	29	x	92	6	-	Cu	1	Ci St	1	×
†Stranraer ...	1008·1	+1	-	0	31	x	98	6	1-4000	St	3	Ci St	3	4
†Lough Foyle ...														
Valencia (Cahirc'n)	1008·1	0	SSW	4	49	omr	-	-	-	-	-	-	-	4
†Anglesey (Llangefni)	1010·0	0	SW	2	40	o	92	6	-	-	-	A.St	10	3
Falmouth														
†Calshot (Hants) ...	1014·7	-1	SSW	4	44	or₀	98	4	-	Nb	10	-	-	×
†Capel (Folkestone)	1015·2	+3	WNW	2	38	b₁	98	7	5-7000	St Cu	2	-	-	4
Aberdeen ...	1003·4	+2	W	3	35	b	92	7	-	-	-	-	-	×
†East Fortune ...	1006·3	+2	WSW	4	37	b	87	-	-	-	-	-	-	×
†Howden ...	1009·3	+1	SSW	4	36	b	92	4	-	-	-	A.Cu	-	×
†Felixstowe ...	1012·6	+3	WNW	3	39	b	87	-	-	-	-	-	-	3
†Cranwell (Lincs)	1011·0	+2	WSW	2	35	b	92	6	-	-	-	-	-	×
Benson ...														×
London (Kew Ob.)	1013·2	+4	SW	1	40	b	-	-	-	-	-	-	-	×
7h. G.M.T. of 10th April														
†Houton B. (Orkney)	1001·6	+1	SW	4	38	bc	87	6	-	-	-	A.St	5	2
Eskdalemuir ...	1007·3	-1	-	0	32	or₀	98	5	½-1000	St	10	-	-	×
†Stranraer ...	1005·4	-3	SSE	3	42	r₁	98	6	1-1500	Nb	10	-	-	×
†Lough Foyle ...	1001·4	-1	SSW	6	47	r₁f₁	98	4	½-1000	Nb	10	-	-	4
Valencia (Cahirc'n)	1010·8	+2	SW	4	52	o	92	6	<500	St	10	-	-	6
†Anglesey (Llangefni)	1007·6	-4	SSW	4	43	rf₁	98	2	<500	Nb	10	-	-	4
Falmouth														
†Calshot (Hants) ...	1013·7	+2	W	6	50	dmq	92	4	-	Nb	10	-	-	×
†Capel (Folkestone)	1014·5	0	SW	3	42	r₀m	92	6	½-1000	Nb	10	-	-	4
Aberdeen ...	1018·5	+5	WNW	6	38	o	82	6	3-4000	St	10	-	-	4
†East Fortune ...	1004·5	0	SW	2	40	bz₂	75	3	-	-	-	Ci St	8	2
†Howden ...	1005·9	-2	-	0	40	bc	75	8	-	-	-	Ci St	6	×
†Felixstowe ...	1010·1	+1	S	2	35	f₁	92	5	3-4000	St	10	-	-	×
†Cranwell (Lincs)	1013·6	+2	WSW	3	39	z₂	87	-	2-3000	St	10	A.St	4	4
Benson ...	1012·3	+1	WSW	2	39	o	92	5	2-3000	St	2	A.St	5	×
London (Kew Ob.)	1012·7	+1	S	3	39	r₀	92	4	-	Nb	10	-	-	×
	1014·0	+1	SW	1	41	om	87	4	-	St	10	-	-	×

STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather	Barometer. at M.S.L. m.b.	Barometer. ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	18h. G.M.T. of 9th April					7h. G.M.T. of 10th April									24 HOURS ENDED 7h. 10th April						9th April
Lerwick	999·4	45	WSW	3	bcm	1000·8	+1	42	+1	W	2	-	bc	1	-	49	39	bcm	bcm	bc	×
Stornoway ...	1001·0	43	WSW	3	cph	999·0	-4	42	+3	SSE	5	-	op	4	3	47	36	c	cph	bc.op	8·1
Castlebay (Barra Is)	1003·7	41	W	3	cp													c.op.bc	bc.ocp		
Glasgow ...	1005·1	43	WNW	3	bt	1005·6	-1	40	0	S	2	-	omd	×	1	47	34	c.rhp	c.bc.c	bc.b.op	7·9
Malin Head ...	1005·3	42	W	4	bcpq	1000·0	-5	45	+6	SSW	4	-	omr	3	6	49	39	bcqp	bcpq	omr	8·4
Blacksod Point	1006·9	45	SW	4	bcp	1002·5	0	49	+8	SW	6	-	ofe	4	7	49	38	bcp	bcp	or.omr	×
Roche's Point ...	1011·8	47	WSW	4	o	1010·6	+2	52	+13	W	3	-	o	3	1	52	39	bcp.cu	c.o	or.o	11·6
Birr Castle ...	1009·6	49	WSW	3	c	1006·9	-1	51	+14	SW	3	-	r	×	5	51	36	cph	c	c.or.od	8·3
Donaghadee ...	1007·6	45	WNW	4	bcmqp	1004·8	-3	42	+5	S	2	-	om.r	2	3	50	35	bcmqp	bcqp	bm.omr	×
Liverpool (Bidston)	1008·3	45	W	3	b	1008·8	-1	41	-1	SSE	2	-	r	2	1	47	39	c.bc	bv	b.op	9·6
Holyhead ...	1008·7	46	WSW	4	cg	1006·7	-2	45	+3	SSW	5	-	orm	3	3	50	42	bc.b	b.bc	b.bc.or	7·9
Pembroke (St. Ann's Head)	1011·8	45	W	4	bv	1010·2	+1	47	+3	SW	5	-	om	4	2	48	43	bv	bv	bv.c.or	11·4
Scilly (St. Mary's)	1014·6	46	WNW	5	c	1014·2	0	50	+5	W	6	-	om	6	5	51	45	bcp	bc.c	or.om	9·1
Jersey (St. Aubin)	1013·0	49	WNW	4	b	1016·3	0	44	0	S	4	-	or	3	4	52	41	oed.o.b	b	b.or	7·2
Portland Bill ...	1010·1	46	W	4	bcx	1012·1	-2	45	+1	SW	4	-	or	4	2	50	43	bc	bc	or	×
Dungeness ...	1008·6	47	WSW	2	bc	1014·4	+3	41	+2	WSW	3	SW	c	3	-	50	31	cp.c	c	c.bbc	×
Wick ...	1000·8	43	WNW	2	bc	1002·1	0	39	0	SSW	3	-	b	1	0·4	47	34	bc.omp	opb.cp	b	×
Nairn ...	1002·1	43	W	2	bc	1003·9	×	37	-3	-	0	-	cg	1	0·2	49	30	pbc	bcq	bcx	7·8
Leith ...	1003·7	46	W	3	b	1005·5	0	42	+1	SW	2	-	o	2	-	50	34	b.bc.b	bcpk.c.b	?	×
Tynemouth ...	1003·7	48	NW	2	bcm	1006·9	0	39	-2	W	2	-	bcm	3	-	43	36	cm	bcm	bcm	×
Spurn Head ...	1005·7	46	WNW	4	bc	1010·2	0	38	-10	WSW	3	-	c	4	trace	48	35	bc	bc	b.bc.c	5·7
Yarmouth (Gorleston)	1006·7	45	SW	2	bc	1011·8	+2	37	-2	W	4	-	bcx	3	3	53	34	bm.cph	cph.bc	op.bcx	7·9
Clacton-on-Sea	1008·3	44	W	1	c	1013·8	+3	39	0	W	3	-	ogm	2	3	53	35	bc.czt	ctbph	bc.ogm	8·7
Nottingham ...	1008·0	47	WNW	4	bz	1011·3	×	39	+2	SW	1	SW	orm	×	0·2	52	34	bc.c	cp.b	b	5·5

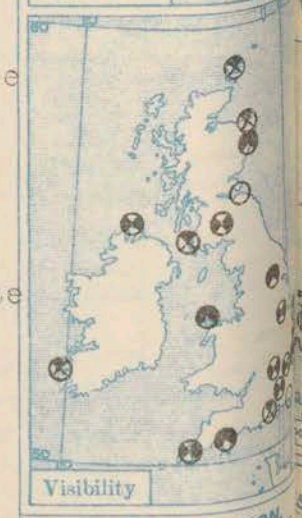
† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARY OF CONDITIONS AT 7 A.M. Thursday, 10th April, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	S-W. 10-15	Moderate	Overcast, local mist & rain	Variable	Slight
2. E. England	SW-W. 5-10	Rather cold.	Cloudy to overcast.	"	"
3. E. Midlands	" "	Moderate	" ", rain & mist	Ordinary	–
4. W. Midlands	" "	"	" ".	"	–
5. S.W. England	SW-W. 15-28	Rather warm	Overcast, mist & drizzle; squally at Falmouth	Indifferent	Rough
6. South Wales	SW. 20		Overcast, misty.	–	Moderate
7. North Wales	SSW. 15-20	Moderate	Overcast, mist & drizzle.	Poor	Slight
8. N.W. England	SSE. 5	"	Overcast, mist & drizzle	"	"
9. N. Midlands	" "	"	" " "	"	–
10. N.E. England	W. 5-10	Rather cold	Fair to cloudy.	Ordinary	Moderate
11. E. Scotland	Calm to SW.	Moderate	Variable sky.	Variable	Smooth
12. S.W. Scotland	Calm to SSE.	Rather cold.	Overcast, mist & drizzle.	Good	Slight
13. Isle of Man	" 10		" " "	"	"
14. N.& N.W. Scotland	SSW. 10-15	"	Variable sky	Good	Smooth
15. Hebrides	SSE. 20	Moderate	Overcast, rainy.	–	Moderate
16. Orkneys and Shetlands	SSW-W. 5-15	"	Fair.	Good	"
17. N.W. Ireland	SW. 28	Rather warm	Overcast, fog.	–	"
18. N.E. Ireland	S. 5-15	Moderate	Overcast, mist & rain.	–	Slight
19. S.E. Ireland	SW. 10	Warm	Overcast, rain	–	–
20 S.W. Ireland	SW-W. 10-15	"	Overcast.	Good	Slight

GENERAL INFERENCE from observations received up to 10 a.m.

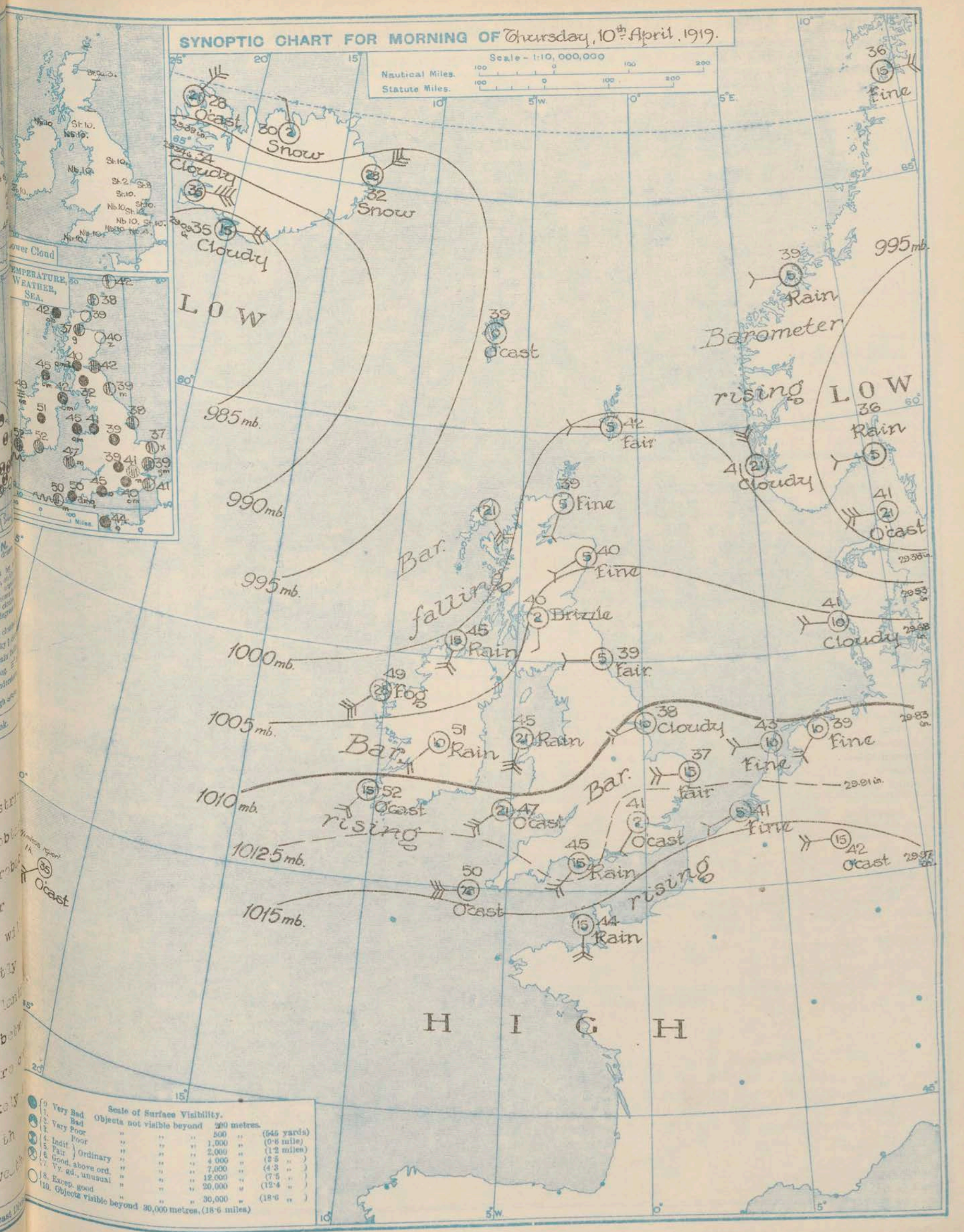
A depression lies to the south-westward of Iceland and a secondary depression covers a large portion of the British Isles. These systems will probably move eastward and cause a prolongation of the unsettled SW'ly. type of weather.



EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five 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 degrees.
WEATHER SYMBOLS.—
clear sky. sky ¼ clouded. sky ½ clouded. overcast sky. snow. hail. fog. T thunder. R thunderstorm.
SEA DISTURBANCE.—Rough High sea

Districts.	Forecasts for the 24 hours commencing 3 p.m. Thursday, 10th April, 1919	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind SW. to W. light or moderate. Dull, some rain, then improving. Temperature rising somewhat.	With the pressure distribution now obtaining it is probable that further depressions will arrive shortly from the Atlantic. Winds from between S. and W. are frequently likely to continue, with unsettled weather
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Wind SW. and W. light or moderate, fresh locally. Changeable, some showers. Moderate temperature.	
9. N. Midlands 10. N.E. England	Same as for Nos. 1 to 3	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	S. and SW. winds, light or moderate, fresh locally. Mainly dull, rain at times. Milder.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind between S. and W, moderate, fresh locally. Changeable, some shower. Moderate temperature.	

Meteorological Office, Exhibition Road, London, S.W. 7. H. G. LYONS, Col., Director. R. G. K. LEMPFERT, C.B.E., Superintendent Forecast Div.


SYNOPTIC CHART FOR MORNING OF Thursday, 10th April, 1919.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
LOW
LOW
HIGH
985 mb.
990 mb.
995 mb.
1000 mb.
1005 mb.
1010 mb.
1012·5 mb.
1015 mb.
Bar. falling
Bar. rising
Barometer rising
O'cast
Snow
Cloudy
Rain
Fine
Fair
Drizzle
Fog
Lower Cloud
TEMPERATURE, WEATHER, SEA.
Scale of Surface Visibility.
9. Very Bad
1. Bad
2. Very Poor
3. Poor
4. Indif.
5. Fair
6. Good, above ord.
7. Vy. gd., unusual
8. Excep. good
10. Objects visible beyond 30,000 metres, (18·6 miles)
Objects not visible beyond 200 metres.
500 (545 yards)
1,000 (0·6 mile)
2,000 (1·2 miles)
4,000 (2·5)
7,000 (4·3)
12,000 (7·5)
20,000 (12·4)
30,000 (18·6)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 100B (Thursday April 10th)

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

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h.-9h. 8th.	Rainfall. Day. 9h.-17h. 9th.	Sunshine. to 17h. 9th.	Sunshine. Sunrise to Sunset 8th.
Scotland.	Banff	obc	crbc	54	32	–	–	3.9	5.5
	St. Andrews	b	c	63	35	–	–	10.2	?
	Montrose	–	–	65	32	–	–	7.6	5.8
England, N.E.	Harrogate	bcpc	c.bc.b	50	35	0.3	0.1	7.8	4.2
	Skegness	bc.	bc	52	32	0.1	–	7.8	1.6
England, E.	Felixstowe	bcn	bcrt	53	34	0.2	0.5	8.9	3.3
	Walton-on-Naze	–	–	52	36	–	0.2	8.0	4.8
	Southend-on-Sea	b bc.c.o	bc.c.op	54	38	–	–	6.0	4.8
England, S.E.	Littlehampton	–	b	52	42	–	–	3.8	5.1
	Margate	bc	orbp	51	39	–	2	2.3	4.7
	Ramsgate	–	p.bc	52	35	–	0.2	3.2	5.8
	Hastings	bc.o	o.bc	49	38	–	–	2.2	5.3
	Eastbourne	bc	bc	51	39	–	–	5.2	6.5
	Worthing	bc	bc.c	53	34	–	–	5.2	6.1
	Bournemouth	–	–	52	40	–	2	6.5	8.0
England, N.W.	Southport	oc.bc.b	b.	48	41	–	–	8.5	7.8
Midlands.	Buxton	–	–	–	–	–	–	–	–
	Leamington Spa	c.bc	pc	51	34	–	0.1	8.3	2.5
	Malvern	bc	bc	50	38	–	1	8.0	5.5
	Ross-on-Wye	bc.ch	prbcy	54	34	–	0.4	7.8	6.5
Wales.	Rhyl	o.c.bc	bc	46	40	0.8	–	7.8	8.5
	Colwyn Bay	–	–	–	–	–	–	–	–
	Llandudno	cb	b	48	42	–	–	6.2	9.4
	Aberystwyth	cb	b	47	44	–	–	8.0	?
England, S.W.	Weymouth	c.bc.p	p.bc	56	37	–	1	7.0	9.7
	Torquay	b bc	bc.b	53	38	–	0.3	9.7	9.5
	Penzance	bc	bc	52	40	2	–	9.0	7.2
	Newquay	b.p.b	b	49	42	1	0.2	9.7	10.7
	Weston-s-Mare	bcp.bc	bcp.bc	50	40	1	0.4	8.0	9.0

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h.-13h. 9th.	Weather 13h.-18h. 9th.	Weather 18h.-1h. 10th.	Weather 1h.-7h. 10th.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h.-18h.	Rainfall. Night. 18h.-7h.	Sun. Hours.
†Houton Bay (Orkney)	c.opc	b bc	bc.c.p.	b.bc	45	36	*	*	*	*
Eskdalemuir	cop.bcrq	orsp.bcr.	cprsq.brbc	bxcr.or	48	28	21	0.4	0.1	7.8
†Stranraer	p.r	ro.r	b.bc.	or.	48	31	*	*	*	*
†Lough Foyle	bc.c.p.	p2	–	r2 q	48	36	*	*	*	*
Valencia (Cahirciveen)	b.bc.o	odr	ornr	or	52	41	43	1	5	5.1
†Angiesey (Llangefni)	c.oq	b.bcq	b.bc.c.o	r.q	49	38	*	*	*	*
Falmouth	bc.cpn	c.by.bc	bc.aor	c.orq	51	41	34	3	6	9.5
†Calshot (Hants)	cq	bc.ct.	bt	b.bc.p.	54	35	*	*	*	*
†Capel (Folkestone)	b.p.	c.ot.	–	c.or2	47	36	*	*	*	*
Aberdeen	bc.chp	cpq.bc	b.bcv.	b.bxc	50	33	21	trace	–	5.4
†East Fortune	bc.cz	–	b	b.bcv	262	34	*	*	*	*
†Howden	p2q	bc.cq	b.bcx	b.bcx	54	29	*	*	*	*
†Felixstowe	aoz	q.prs.	c.op.	b.bcz.	51	35	*	*	*	*
†Cranwell (Lincs)	–	bc.cpc	b.bc	b.bc.c	53	34	*	*	*	*
Berisoi	c.bc	bw.b	–	bc.o	54	30	23	–	3	*
London (Kew Obsy.)	cm.cpc	c.c.p.bc	c.bc.b	bmx.mm	52	35	25	trace	–	6.5

BEAUFORT NOTATION.

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.
e wet air without rain falling.
f fog. g gloom.
h hail. l lightning.
m mist.
o overcast sky.
p passing showers.
q squalls.
r rain.
rs sleet, *i.e.*, rain and snow together.
s snow.
t thunder.
u ugly, threatening sky.
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.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Limits of Velocity. Metres per second.
0	Less than 1	Less than 0·3
1	1–3	0·3–1·6
2	4–7	1·6–3·4
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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0 = slight, 2 = heavy. Underlining is used to express continuity.

LONDON. OBSERVATIONS.

21 Hours ended 9h G.M.T. 10th.

	Weather. Morning	Weather. Afternoon.	Weather. Night	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours. Yesterday.	Humidity % 15 h. G.M.T. Yesterday.	Humidity % 9 h. G.M.T. To-day.
Greenwich (Royal Observatory)	c.o	c.o.c	o.b.c	56	36	27	1	0.3	57	87
City (Bunhill Row)	*	*	*	*	*	*	*	4.8	*	*
Westminster (St. James's Park)	*	*	*	54	35	28	1	6.2	68	89
" (Admiralty Arch)	bcm	bcp	bcp.bbcor	54	37	*	1	6.1	66	87
Camden Sq. (British Rainfall)	bc	bc.c.ocr	*	55	35	30	5	5.9	63	83
Kensington Palace	c	r.bc	*	54	35	26	1	*	*	86
Richmond Park	*	*	*	*	*	*	*	?	*	*

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total 1200 Joules.

Average Rate 24.9 Milliwatts.

Maximum Rate 63 ,,

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

10th & 11th April 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	5.8	11.54	6.40
	5.6	11.54	6.44
Greenwich	5.18	12.1	6.44
	5.16	12.1	6.48
Wick	5.17	12.18	7.9
	5.14	12.18	7.11
Valencia	5.58	12.42	7.26
	5.50	12.42	7.28

NOTES ON THE WEATHER OF YESTERDAY.

Showers were again prevalent in nearly all parts of the Kingdom and local thunderstorms occurred in the east of England. Bright sunshine records were moderate in the south of England, rather high to high in most other regions – more than 10 hours at St. Andrews and Pembroke. Temperature remained below 50° at many stations in the west and north and below 55° generally elsewhere.

† Air Ministry Station

* Information for these columns not usually received.

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METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No. 20,259, B. Friday, 11th April 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	Humidity. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form	Upper Cloud. Amt. 0-10.	Sea 0-9.
	18h. G.M.T. of 10th April													
†Houton B. (Orkney)	999·0	−4	SSE	7	42	0	82	5	2-3000	Sc.Cu	1	A.St	9	3
Eskdalemuir ...	1005·8	0	SSW	4	43	0S,q	98	4	½-1000	Nb	10	–	–	*
†Stranraer ...	1004·9	+1	SW	4	53	0	92	5	1-1500	St	10	–	–	*
†Lough Foyle ...	1003·1	0	WSW	9	49	d₀	98	4	½-1000	Nb	10	–	–	4
Valencia (Cahirc'n)	1013·1	+2	SW	4	53	0	92	7	½-1000	St	10	–	–	4
†Anglesey (Llangefni)	1009·3	+4	SW	5	49	0	92	5	1-1500	St	10	–	–	4
Falmouth ...	1016·8	+3	W	6	55	omq	92	4	–	St	10	–	–	*
†Calshot (Hants) ...	1013·8	0	WSW	2	50	d,	93	6	½-1000	Nb	10	–	–	3
†Capel (Folkestone)	1015·2	0	SW	5	42	r₂	92	4	2-3000	St	10	–	–	4
Aberdeen ...	1003·2	−1	S	4	43	omr,	98	4	–	Nb	10	–	–	2
†East Fortune ...	1003·8	−4	SW	4	48	0	82	7	2-3000	Nb	2	A.St	8	*
†Howden ...	1008·9	−1	SSE	4	46	r, f,	92	3	–	St	10	A.Cu	8	*
†Felixstowe ...	1014·1	−1	SW	5	46	r₀q	98	5	–	Nb	10	–	–	3
†Cranwell (Lincs)														*
Benson ...	1011·5	0	SSW	3	49	0	98	5	—	–	–	–	–	*
London (Kew Ob.)	1012·7	−2	SSW	2	48	0	87	7	–	St.Cu	8	A.St	2	*
	1h. G.M.T. of 11th April													
†Houton B. (Orkney)	994·2	0	WSW	6	47	r₂m	98	3	1½-2000	St.	10	–	–	3
Eskdalemuir ...	1006·6	0	SW	5	49	om	92	5	–	St.	10	–	–	*
†Stranraer ...	1006·9	0	SW	5	51	oq	87	5	1-1500	St.	10	–	–	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1011·9	0	WSW	5	51	oq	–	–	–	–	–	–	–	6
†Anglesey (Llangefni)	1012·9	+1	SSW	5	47	0	92	5	2-3000	St.	10	–	–	5
Falmouth ...	1021·4	0	WSW	6	51	0	92	5	–	Nb	10	–	–	*
†Calshot (Hants) ...	1019·2	+2	NW	2	51	bc	92	8	1½-2000	St.Cu	6	–	–	4
†Capel (Folkestone)														
Aberdeen ...	998·7	0	S	4	47	0	98	4	5-7000	Cu	7	Sc.Cu	2	–
†East Fortune ...	1003·3	0	WSW	6	54	0	75	–	2-3000	Cu.Nb	6	–	–	*
†Howden ...	1011·3	+2	SSW	5	53	oq	82	5	1½-2000	St.Cu	10	–	–	*
†Felixstowe ...	1015·7	+1	W	2	51	0	92	–	–	–	–	–	–	3
†Cranwell (Lincs)	1012·8	+1	W	3	51	cf₂	92	5	2-3000	St.	7	–	–	*
Benson ...														*
London	1016·8	+2	W	1	53	0	–	–	–	–	–	–	–	*

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	Humidity. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form	Upper Cloud. Amt. 0-10.	Sea 0-9.
	18h. G.M.T. of 10th April													
†Houton B. (Orkney)	995·8	−3	SSE	4	42	r₂m	98	3	1-1500	Nb	10	–	–	3
Eskdalemuir ...	1005·2	0	SW	5	50	om	98	4	½-1000	St.	10	–	–	*
†Stranraer ...	1006·2	+3	SW	4	52	0	87	7	1½-2000	St.	10	–	–	*
†Lough Foyle ...	1003·2	0	WSW	9	50	od,	98	5	½-1000	Nb	10	–	–	5
Valencia (Cahirc'n)	1013·6	+1	SW	5	53	0	87	6	½-1000	St	10	–	–	4
†Anglesey (Llangefni)	1011·3	+2	SW	4	49	0	92	2	5-7000	St.	6	A.St.	4	5
Falmouth ...	1019·0	+3	W	4	53	0	–	–	–	–	–	–	–	*
†Calshot (Hants) ...	1015·4	+3	WNW	3	56	0	87	7	2-3000	St.	6	A.St	3	3
†Capel (Folkestone)														
Aberdeen ...	1000·1	−3	SSW	3	46	om	98	3	–	St.Cu	9	–	–	2
†East Fortune ...	1002·6	−7	SW	5	54	od₀	82	5	2-3000	Nb	7	A.St	3	*
†Howden ...	1009·0	+1	SW	4	52	om	92	2	1-1500	St.Cu	10	–	–	*
†Felixstowe ...	1013·5	0	SSW	2	46	od,	98	4	–	Nb	10	–	–	3
†Cranwell (Lincs)	1010·8	+1	W	1	52	om	92	4	1½-2000	St.	10	–	–	*
Benson ...	1013·2	0	SW	1	53	c	87	4	–	–	2	–	5	*
London (Kew Ob.)	1013·3	+2	W	2	55	c	75	5	–	St.Cu	2	A.Cu	5	*
	7h. G.M.T. of 11th April													
†Houton B. (Orkney)	993·3	−1	SW	6	48	F,m	98	3	½-1000	St.	10	–	–	3
Eskdalemuir ...	1006·4	0	SSW	6	44	ome	98	1	½-1000	St.	10	–	–	*
†Stranraer ...	1005·2	−2	SSW	6	50	oq	87	6	2-3000	St.	8	A.St	1	4
†Lough Foyle ...	1001·0	−2	SW	9	50	or,	98	3	<500	Nb	10	–	–	5
Valencia (Cahirc'n)	1010·8	+1	SW	6	53	oz	98	4	<500	St.	10	–	–	6
†Anglesey (Llangefni)	1011·6	0	SW	6	47	om	98	2	<500	St.	10	–	–	6
Falmouth ...	1021·0	0	SW	6	50	ofq	98	4	–	Nb	10	–	–	*
†Calshot (Hants) ...	1020·6	+3	W	4	47	0	98	6	2-3000	St.Cu	10	–	–	3
†Capel (Folkestone)	1019·8	+5	W	4	45	ef₂	98	0	–	–	–	–	–	–
Aberdeen ...	999·6	0	SSW	3	52	om	92	4	–	St.Cu	10	–	–	2
†East Fortune ...	1003·0	+1	SW	6	54	0	75	6	2-3000	St.Cu	8	A.St	2	*
†Howden ...	1011·5	+1	SSW	5	52	0	82	4	1½-2000	St.Cu	10	–	–	*
†Felixstowe ...	1017·7	+4	W	4	51	cq	87	4	1½-2000	St	7	Cc	1	4
†Cranwell (Lincs)	1013·6	+1	SW	4	50	0	87	6	2-3000	St	3	A.Cu	2	*
Benson ...	1017·0	+1	SW	4	50	0	82	6	–	St.Cu	10	–	–	*
London	1018·2	+2	WSW	3	52	0	75	5	–	St.Cu	8	A.St	2	*

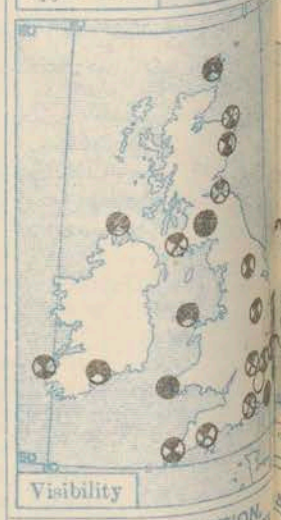
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather	Barometer. at M.S.L. m.b.	Barometer. ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	18h. G.M.T. of 10th April					7h. G.M.T. of 11th April									24 HOURS ENDED 7h. 11th April						10th April
Lerwick	997·0	43	S	7	omr	993·4	−1	47	+5	SW	4	–	md	4	6	48	41	bc	o	omr	*
Stornoway ...	993·6	52	WSW	6	orq	992·5	0	52	+10	W	6	–	orq	5	19	52	42	or	orq	orq	0·0
Castlebay (Barra Is)	997·8	50	W	5	or	996·0	−1	49	?	SW	5	–	r	6	4	50	43	or	or	r.d.	0·0
Glasgow ...	1003·1	50	SW	4	omd	1002·9	−1	49	+9	SSW	4	–	odp	*	9	51	40	ormg	ormg	orpq	0·0
Malin Head ...	1001·2	50	SW	6	omqd	999·4	−2	50	+5	SSW	5	–	omqp	5	5	52	45	omr	omqd	omqp	0·0
Blacksod Point	1004·6	49	SSW	6	ofr	1001·8	+2	49	0	SSW	8	–	ofd.	6	2	51	47	ofe	of	omomp	*
Roche's Point ...	1014·5	54	W	4	c	1013·1	−1	50	−2	SW	5	–	r	5	1	56	49	o	o.c	od.	*
Birr Castle ...	1011·3	54	SW	3	0	1007·9	*	52	+1	SSW	4	–	r	*	6	55	50	odo	o	odoz.	0·0
Donaghadee ...	1006·2	56	W	5	ormq	1005·0	0	52	+10	WSW	5	–	omq	4	2	59	41	ompq	ogmq	omq	*
Liverpool (Bidston)	1009·5	54	W	5	c	1011·2	+1	50.	+9	SW	6	–	cq	5	2	56	41	op	op.c	c.oq	0·0
Holyhead ...	1010·3	50	SW	4	cg	1010·4	−2	48	+3	SW	6	–	fq	5	1	53	39	odom	om.cg	c.omf	0·0
Pembroke (St. Ann's Head)	1015·5	48	WSW	4	om	1016·3	−2	48	+1	SW	5	–	o	4	–	49	45	of	ofgm	o	0·0
Scilly (St. Mary's)	1019·3	51	W	5	om	1020·2	−1	50	0	SW	5	–	omr	6	–	52	49	omf	omf	om.o	0·0
Jersey (St. Aubin)	1019·9	50	W	4	odm	1024·3	+1	49	+5	W	3	–	oem	3	6	51	43	or.oem	oem.dm	odem	0·0
Portland Bill ...	1015·9	49	WSW	4	0	1020·2	+1	48	+3	WSW	5	–	o	4	1	50	44	ro	o.c	o	*
Dungeness ...	1013·4	46	WSW	3	c	1018·7	+3	46	+5	WSW	4	–	c	4	1	47	40	cpcr	rc	c.	*
Wick	996·2	44	SSW	4	omp	994·7	−1	49	+10	SSW	4	–	cm	4	0·3	49	39	bc.og	omp	omg.cm	*
Nairn	996·4	53	WSW	4	c	995·3	*	52	+15	WSW	3	–	bcq	2	3	56	37	cdp	c.bcq.c	cpq.q	1·8
Leith	1002·3	55	SW	3	0	1001·9	0	53	+11	WSW	5	–	o	3	1	55	41	omdo	o.cdo	oq.dgo	*
Tynemouth ...	1005·3	51	SW	2	omr	1006·2	0	50	+11	W	4	–	cqm	3	–	55	37	om	om	cmq.cqm	*
Spurn Head ...	1009·8	48	SW	4	om	1012·5	0	49	+11	WSW	4	–	o	4	0·2	51	38	o	odm	o	0·0
Yarmouth (Gorleston)	1011·8	45	SW	3	0	1014·4	+2	51	+14	WNW	4	–	bcm	4	3	53	37	bcx.om	omqp	bcm.op	2·0
Clacton-on-Sea	1012·9	47	WSW	3	0	1017·3	+3	49	+10	WSW	3	–	bc	2	–	50	39	ogm.og	ogm	ogm.bc	0·1
Nottingham ...	1010·5	56	WSW	3	0	1013·9	*	50	+11	WSW	3	–	c	*	1	56	38	ro	opm	o.c	0·0

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARY OF CONDITIONS AT 7 A.M. Friday, 11th April, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	WSW. 10-20	Rather mild	Dull, local fog in S. Kent	Variable	Moderate
2. E. England	SW-W. 10-20	Mild	Fair to dull, some mist.	Ordinary	"
3. E. Midlands	WSW. 10-15	"	Dull, local mist.	Good	–
4. W. Midlands	WSW. 10-15	"	Dull.	Good	–
5. S.W. England	SW. 15-21	Rather mild	Dull, local fog & rain.	Variable	Rather rough
6. South Wales	SW. 21	"	Dull.	–	Moderate
7. North Wales	SW. 21-28	"	Dull, local mist, fog & squalls.	Poor	Rather rough
8. N.W. England	SW. 21-28	Mild	Cloudy, squally.	–	"
9. N. Midlands	SW. 15-21	"	Cloudy or dull.	Variable	–
10. N.E. England	SW-W. 15-21	"	Cloudy, local mist & squalls.	Ordinary	Slight
11. E. Scotland	S-SW. 10-21	"	Fair to dull, local mist.	"	"
12. S.W. Scotland	SSW. 15-28	"	Dull, local squalls & drizzle.	Variable	Mod.
13. Isle of Man	SW. 21-28	"	Dull, local mist & fog.	–	"
14. N.& N.W. Scotland	SW. 15-21	"	Cloudy, local mist.	–	Rather rough.
15. Hebrides	SW-W. 21-28	"	Dull, rainy, squally.	–	Rough
16. Orkneys and Shetlands	SW. 15-30	Rather mild.	Dull, misty, some drizzle.	Poor	Mod.
17. N.W. Ireland	SSW. 42	"	Dull, fog & drizzle.	"	Rough
18. N.E. Ireland	SW-W. 21-30	Mild	Dull, misty, squally, showery.	"	Rather rough.
19. S.E. Ireland	SW. 15-25	"	Dull, local rain.	–	
20 S.W. Ireland	SW. 21-28	"	Dull, local rain.	Ordinary	Rough



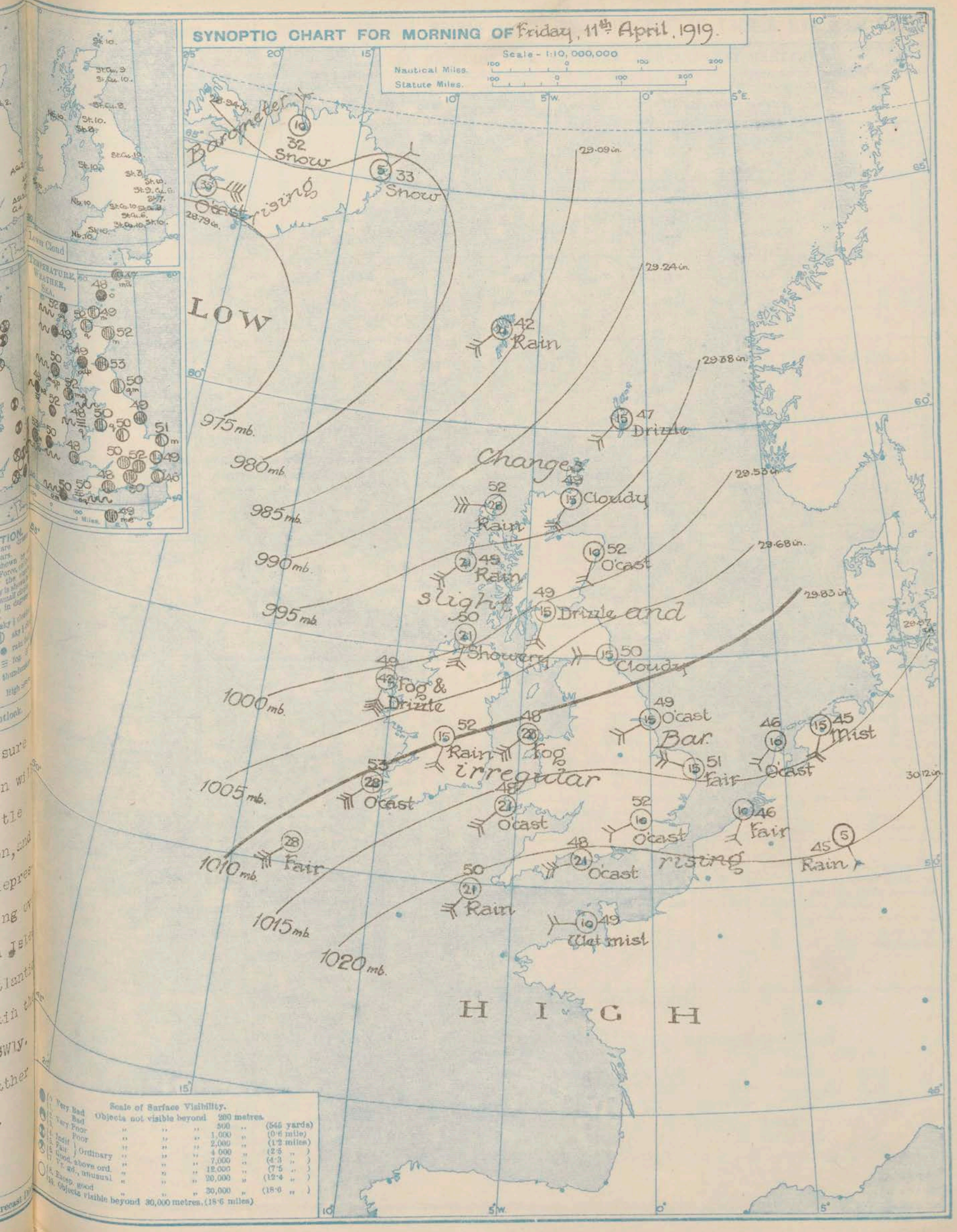
EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by the way flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in degrees.
WEATHER SYMBOLS.—
clear sky. sky ¼ clouded. sky ½ clouded. overcast sky. rain. snow. fog. hail. thunder. thunderstorm.
SEA DISTURBANCE.—Rough. High seas.

GENERAL INFERENCE from observations received up to 10 a.m.

A depression lies to the southward of Iceland, and appears to be moving slowly eastward. The barometric changes over the British Isles are slight and irregular and indicate the development of very slight secondary depressions.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Friday, 11th April, 1919.	Further Outlook.
1. S.E. England 2. E. England 3 E. Midlands	Wind between SW. and W. light or moderate. Overcast or variable sky, some local showers. Mild.	The pressure distribution will undergo little modification, and secondary depressions passing over the British Isles from the Atlantic will maintain the unsettled SWly. type of weather conditions.
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 from South-westward, light or moderate. fresh or strong in places. Variable sky, some showers. Mild, mist locally.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind S. or SW. veering later, light to fresh. Changeable, showery, some mist. Mild.	
17. N.W. Ireland 18. N E. Ireland 19. S.E. Ireland 20. S.W. Ireland	S. or SW. winds, fresh or strong. Changeable, showery, some mist or fog on coast. Mild.	

Meteorological Office, Exhibition Road, London, S.W. 7. H. G. LYONS, Col., Director. R. G. K. LEMPFERT, C.B.E., Superintendent Forecast Div.


SYNOPTIC CHART FOR MORNING OF Friday, 11th April, 1919.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
Barometer
Coast rising
LOW
975 mb.
980 mb.
985 mb.
990 mb.
995 mb.
1000 mb.
1005 mb.
1010 mb.
1015 mb.
1020 mb.
29.09 in.
29.24 in.
29.38 in.
29.53 in.
29.68 in.
29.83 in.
30.12 in.
Changes
slight and irregular
Bar. rising
H I G H
Snow
Rain
Drizzle
Cloudy
O'cast
Showery
Fog & Drizzle
Fog
Fair
Wet mist
Mist
Scale of Surface Visibility.
0. Very Bad
1. Bad
2. Very Poor
3. Poor
4. Indif.
5. Fair
6. Good, above ord.
7. V. gd., unusual
8. Excep. good
9. Objects visible beyond 30,000 metres. (18·6 miles)
Objects not visible beyond 200 metres.
500 (546 yards)
1,000 (0·6 mile)
2,000 (1·2 miles)
4,000 (2·5)
7,000 (4·3)
12,000 (7·5)
20,000 (12·4)
30,000 (18·6)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 101 B {Friday April 11th}

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

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 9th	Rainfall. Day. 9h-17h. 10th	Sunshine. to 17h. 10th	Sunshine. Sunrise to Sunset. 9th
Scotland.	Banff	bc.o	c.o	51	33	-	-	4.2	3.0
	St. Andrews ...	-	-	-	-	-	-	-	?
	Montrose	-	-	48	32	-	1	1.6	7.6
England, N.E.	Harrogate	o.p.c	o.p.c	51	34	-	1	0.1	9.0
	Skegness	o	bc.o.p	48	31	-	0.3	?	7.8
England, E.	Felixstowe	o.m	o.m	47	34	-	-	0.0	8.9
	Walton-on-Naze...	-	-	-	-	-	-		
	Southend-on-Sea...	o	o.r.o	48	35	3	0.4	0.0	6.0
England, S.E.	Little hampton	-	-	50	42	1	1	0.5	3.8
	Margate	o	p	48	36	3	0.1	0.0	3.0
	Ramsgate	-	-	-	-	-	-	-	3.4
	Hastings	o.p	o.r.o	49	35	0.2	1	0.0	2.5
	Eastbourne... ...	o.c.p	o.p.b.c	50	37	1	?	0.1	5.3
	Worthing	d	o.c	49	34	1	1	0.2	5.5
	Bournemouth ...	-	-	59	37	5	2	2.0	6.5
England, N.W.	Southport	o.r	r.o	51	39	1	1	0.0	?
Midlands.	Buxton	-	-	48	35	1	2	0.0	
	Leamington Spa...	o.p.c.b	o.b	60	34	1	0.4	0.7	6.3
	Malvern	-	-	-	-	-	-		
	Ross-on-Wye ...	r.o.c	c.v.o.c.o	64	37	1	0.1	1.3	9.0
Wales.	Rhyl	p.o.c	c	57	37	2	1	0.3	8.1
	Colwyn Bay ...	-	-	56	40	2	-	0.0	?
	Llandudno	o.p	o	54	40	2	0.2	0.0	7.8
	Aberystwyth ...	-	-	47	44	*	*	1.0	6.0
England, S.W.	Weymouth	t.o.c	c	55	41	4	0.2	0.1	9.0
	Torquay	o.c	o	58	41	2	-	1.0	10.1
	Penzance	o.c	o.f	54	44	7	-	0.0	9.8
	Newquay	o	o	51	43	6	0.1	0.0	11.1
	Weston-s-Mare ...	m.d	m	49	40	1	1	0.0	9.0

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-13h 10th	Weather 13h-18h 10th	Weather 18h-1h 11th	Weather 1h-7h 11th	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)...	⊕.o	2.o.m	d.r.m	d.f	48	36	*	*	*	*
Eskdalemuir	o.r.o.r.m	o.d.m	o.m.o.d.q	o.m.f.e	51	32	42	7	0.2	0.0
†Stranraer	o.m.2	o.p.d.o	o	c	53	31	*	*	*	*
†Lough Foyle	d2	d1	-	2	48	38	*	*	*	*
Valencia (Cahirciveen) ...	o	o	o.q	o	53	52	50	—	0.4	0.0
†Anglesey (Llangefni) ...	p.d.q	o.q	o.q	-	50	37	*	*	*	*
Falmouth	c.q.o.q	o.m	o.q	c.q	55	40	48	trace	trace	0.0
†Calshot (Hants)	d1.o	c.o	o.p.o		57	36	*	*	*	*
†Capel (Folkestone)... ...	c.o.p.	c.f2 d.o	-	c.f3	45	36	*	*	*	*
Aberdeen	c.z.o.m.r	o.m.o.m	c	o.m	52	40	43	—	2	2.6
†East Fortune	o.r.	o.d.	o.q	o.q	55	34	*	*	*	*
†Howden	f1.o.f2	o.m.p.	o.q	o.q	54	31	*	*	*	*
†Felixstowe	c.r.h.o	r.h.o	r.h.o	c.o.q	52	38	*	*	*	*
†Cranwell (Lincs) ...	-	p.o	c.⊕	c.q	53	34	*	*	*	*
Benson	o.r	b.c	-	o.r	58	39	47	—	2	*
London (Kew Obsy.) ...	o.m.o.r.o	o.c	c.o	o	56	40	48	1	trace	0.2

BEAUFORT NOTATION.

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.
e wet air without rain falling.
f fog. g gloom.
h hail. l lightning.
m mist.
o overcast sky.
p passing showers.
q squalls.
r rain.
rs sleet, *i.e.*, rain and snow together.
s snow.
t thunder.
u ugly, threatening sky.
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.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Limits of Velocity. 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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0 = slight, 2 = heavy. Underlining is used to express continuity.

LONDON. OBSERVATIONS.

24 HOURS ENDED 9H G.M.T. 11th.

	Weather. Morning	Weather. Afternoon.	Weather. Night.	Max. Temp. °F.	Min. Temp °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours. Yesterday.	Humidity % 15 h. G.M.T. Yesterday.	Humidity % 9 h. G.M.T. To-day.
Greenwich (Royal Observatory)	o.r.c	r.o.r.q.o	o.d	56	43	46	-	-	90	74
City (Bunhill Row)	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James's Park)	*	*	*	57	43	43	trace	0.0	90	78
" (Admiralty Arch)	o.r.m.o.p	c.p.c.b.c	b.c.q.b.c.q	57	43	*	trace	0.0	89	75
Camden Sq. (British Rainfall)	o.d.o	o.c	*	58	43	46	trace	0.0	87	72
Kensington Palace	o	o	*	56	42	46	trace	*	*	72
Richmond Park	*	*	*	*	*	*	*	-	*	*

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total ... 380 ... Joules.

Average Rate. 7·9 Milliwatts.

Maximum Rate. 22 ,,

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

11th & 12th April 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth ...	5.6 / 5.4	11.54 / 11.54	6.41 / 6.43
Greenwich	5.16 / 5.12	12.1 / 12.1	6.45 / 6.43
Wick ...	5.14 / 5.11	12.13 / 12.13	7.11 / 7.14
Valencia ...	5.53 / 5.54	12.42 / 12.42	7.28 / 7.30

NOTES ON THE WEATHER OF YESTERDAY.

Rain or passing showers occurred in nearly all parts of the Kingdom. As a rule the measurement was slight or moderate, but at Stornoway it was 19 mm. Thunder was heard in the morning at Weymouth and a thunder squall passed over Greenwich at 10h. Bright sunshine records were low very generally, few parts of the Kingdom having more than 2 hours. Mist or fog was rather prevalent on the western and south-western seaboards. Temperature exceeded 55° over a very large area; in some parts of the English Midlands the thermometer rose to 60° and above. The night was mild.

† Air Ministry Station

* Information for these columns not usually received.

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METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No. 29,960 B ..... SATURDAY ... 12TH ... APRIL ... 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form	Upper Cloud. Amt. 0-10.	Sea 0-9.
	13H G.M.T. of ...11TH.....													
†Houton B. (Orkney)	993·9	+1	W	8	49	bc	87	5	5-7000	Sr Cu	6	-	-	4
Eskdalemuir ...	1004·7	0	SW	6	49	om	98	3	½-1000	St.	10	-	-	*
†Stranraer ...	1006·6	+3	SW	3	51	cv	92	8	1-1500	St.	8	-	-	*
†Lough Foyle ...	1003·4	+2	WSW	10	48	c	87	5	1½-2000	Fr. Cu	5	-	-	5
Valencia (Cahirc'n)	1014·6	+2	SW	5	55	c	75	6	2-3000	Sr	7	A. Cu	1	6
†Anglesey (Llangefni)	1011·1	0	SW	8	50	om	98	2	<500	St.	10	-	-	6
Falmouth ...	1020·9	0	WSW	6	52	em	98	2	-	Nb	10	-	-	*
†Calshot (Hants) ...	1020·6	0	WSW	6	49	od1	98	5	<500	Nb	10	-	-	6
†Capel (Folkestone)	1019·2	-2	W	6	48	om	98	3	<500	Nb	10	-	-	-
Aberdeen ...	998·1	-1	SSW	6	59	c	65	7	-	St. Cu	7	-	-	2
†East Fortune ...	1001·5	0	SW	7	58	0	75	6	2-3000	Cu. Nb	9	-	-	*
†Howden ...	1010·3	-1	SSW	6	57	0	82	5	1½-2000	St.	10	-	-	*
†Felixstowe ...	1016·7	-1	WSW	5	59	0q	75	3	2-3000	St.	10	-	-	1
†Cranwell (Lincs)														*
Benson ...	1016·5	-1	SW	6	56	0	87	6	-	-	-	-	-	*
London (Kew Ob.)	1018·3	-2	SW	4	55	0	75	6	-	St. Cu	8	-	-	*
	1H. G.M.T. of ...12TH.....													
†Houton B. (Orkney)	994·2	+1	WSW	1	40	bc	<40	6	3-4000	Fr. Cu	3	-	-	5
Eskdalemuir ...	1008·7	+3	SW	4	43	c	82	6	-	St	1	A. Cu	6	*
†Stranraer ...														
†Lough Foyle ...														
Valencia (Cahirc'n)	1013·0	-3	SW	3	48	bc	-	-	-	-	-	-	-	4
†Anglesey (Llangefni)	1012·9	0	WSW	4	46	r2	98	5	1½-2000	St	10	-	-	3
Falmouth ...	1018·5	-2	W	4	50	d1	98	5	-	Nb	10	-	-	*
†Calshot (Hants) ...	1010·9	-1	W	4	49	d2	98	3	<500	Nb	10	-	-	5
†Capel (Folkestone)														
Aberdeen ...	1001·4	+2	WSW	4	40	b	82	5	-	-	-	-	-	*
†East Fortune ...	1006·5	-1	WSW	6	45	b1	75	-	5-6000	Sr Cu	2	-	-	*
†Howden ...	1012·2	0	S	2	45	c	92	4	4-5000	Sr	3	A. Cu	4	*
†Felixstowe ...	1016·9	-1	WSW	2	49	0	98	-	1½-2000	St	10	-	-	5
†Cranwell (Lincs)	1014·0	-1	SW	2	47	0	87	5	2-3000	St	4	A. St	4	*
Benson ...														*
London (Kew Ob.)	1017·2	-1	WSW	2	39	0	-	-	-	-	-	-	-	*

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form	Upper Cloud. Amt. 0-10.	Sea 0-9.
	18H. G.M.T. of ...11TH.....													
†Houton B. (Orkney)	992·7	-2	WSW	9	45	b1	82	5	3-4000	Fr. Cu	2	A. Cu	2	5
Eskdalemuir ...	1006·3	+3	WSW	6	49	ou	65	7	-	Cu Nb	8	Ci St	1	*
†Stranraer ...	1007·6	+4	W	6	52	q	65	8	2-3000	Sr Cu	3	Ci St	2	*
†Lough Foyle ...														
Valencia (Cahirc'n)	1014·7	0	SW	4	50	0	92	7	1-1500	St	10	—	-	5
†Anglesey (Llangefni)	1012·5	+2	SW	5	48	0	92	5	3-4000	Sr Cu	7	A. Cu	2	5
Falmouth ...	1020·3	0	SW	3	51	dm	-	-	-	-	-	-	-	*
†Calshot (Hants) ...	1019·2	0	W	5	49	of2	98	0	<500	Nb	10	-	-	0
†Capel (Folkestone)	1018·7	0	W	5	48	do	98	0	-	-	-	-	-	-
Aberdeen ...	1000·0	+2	SW	5	54	bcqy	45	7	-	Fr. Cu	1	Ci St	3	*
†East Fortune ...	1003·6	+1	WSW	7	53	c	65	6	3-4000	Cu Nb	4	Ci St	3	*
†Howden ...	1010·9	+2	SW	7	55	bc	75	5	2-3000	Sr Cu	2	Ci St	2	*
†Felixstowe ...	1015·5	-2	SW	7	51	q	98	4	1½-2000	Cu	6	Ci St	4	5
†Cranwell (Lincs)	1012·6	+2	W	5	56	bc	75	6	3-4000	St	3	Ci St	2	*
Benson ...	1016·6	0	SSW	5	55	c	82	7	-	Cu	3	Ci St	3	*
London (Kew Ob.)	1016·8	-1	SW	2	56	bc	82	6	-	Sr Cu	4	Ci St	2	*
	7H. G.M.T. of ...12TH.....													
†Houton B. (Orkney)	997·6	+5	SW	6	40	o	<40	6	2-3000	Fr. Cu	6	Ci	2	6
Eskdalemuir ...	1007·6	-1	WSW	5	43	c	87	5	1½-2000	Fr. Cu	4	Ci St	4	*
†Stranraer ...	1008·0	-3	SW	1	45	0	87	7	2-3000	Sr	10	-	-	*
†Lough Foyle ...	1007·2	0	WSW	7	47	c	92	6	2-3000	Cu	3	Ci St	6	4
Valencia (Cahirc'n)	1014·2	+4	WNW	5	46	bc	82	8	1½-2000	Cu	4	-	-	5
†Anglesey (Llangefni)	1011·3	0	SSW	4	45	0	98	2	½-1000	St	10	-	-	4
Falmouth ...	1017·3	+1	SW	3	48	em	92	4	-	St	10	-	-	*
†Calshot (Hants) ...														
†Capel (Folkestone)	1015·5	-4	W	4	46	r2	98	0	-	-	-	-	-	-
Aberdeen ...	1002·7	0	SW	3	45	b	65	7	-	-	-	-	-	2
†East Fortune ...	1006·3	0	SW	5	44	q	82	8	1½-2000	Sr Cu	4	Ci St	1	*
†Howden ...	1011·1	-1	E	2	45	c	92	2	<500	St	5	A. Cu	2	*
†Felixstowe ...	1014·6	-3	SW	3	48	r2 f1	98	-	1½-2000	-	-	-	-	4
†Cranwell (Lincs)	1012·0	-2	SW	3	47	0	92	5	2-3000	St	4	Ci Cu	2	*
Benson ...	1014·0	-1	SW	2	47	0	98	4	-	St	10	-	-	*
London (Kew Ob.)	1015·0	0	WSW	1	49	omr	92	4	-	St	10	-	-	*

STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather	Barometer. at M.S.L. m.b.	Barometer. ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	18H. G.M.T. of ...11TH.....					7H. G.M.T. of ...12TH.....									24 HOURS ENDED 7H. ...12TH.....						...11TH...
Lerwick ...	993·1	47	SW	5	om	994·6	+3	42	-5	SW	7	SW	cmq	5	5	49	39	omr	om	cmqp	*
Stornoway ...	993·7	48	WSW	6	cpq	997·8	+1	41	-9	WSW	4	-	bc	3	2	53	40	o.cq	cpq	bcp	-
Castlebay (Barra Is)	999·1	49	W	6	bc	1001·9	-1	45	-4	W	5	W	op	5	1	50	39	ro.bcm	bcp.bc	bc.bop	7·1
Glasgow ...	1004·8	50	SW	5	o	1006·4	0	41	-8	SSW	4	SW	cp	*	3	54	40	op.cq	c.opq	op.cq	2·1
Malin Head ...	1003·6	48	WSW	7	bcmq	1004·6	0	42	-8	SW	5	W	cqp	5	1	51	39	bcmq	bcmq	bcqp	3·9
Blacksod Point	1008·2	48	SW	5	om	1008·6	+2	43	-6	W	5	W	bcph	5	2	49	40	cm	om	bcmp	*
Roche's Point ...	1015·5	51	SW	4	o	1013·5	-1	47	-3	W	4	-	b	3	1	56	41	d.o.bc	bc.o	od.o.b	
Birr Castle ...	1011·5	53	WSW	4	c	1010·7	*	43	-9	W	2	-	o	*	2	57	42	od.c	c	c.op	6·5
Valentia ...	1007·5	55	W	6	bczq	1008·4	+1	42	-10	SSE	1	-	ogm	1	1	59	42	bcmqh	bcmq	ogp.om	*
Liverpool (Bidston)	1011·9	52	WSW	3	b	1010·7	-2	46	-4	SSW	2	-	o	2	1	57	45	o.bc	bc.b	op	3·9
Holyhead ...	1011·9	49	SW	5	cg	1010·3	-1	46	-2	SW	4	-	cf	3	2	55	45	f.c.fq	f.c.f.c	opd.gf	1·3
Pembroke (St. Ann's Head)	1017·2	48	WSW	5	c	1013·9	-1	46	-2	WSW	4	-	o	5	2	50	45	o.c	c.b	of.or.o	3·3
Scilly (St. Mary's)	1020·1	50	WSW	4	fe	1017·9	-2	48	-2	WSW	4	W	o	5	4	53	47	omf	fe	f.c l m	0·0
Jersey (St. Aubin)	1023·9	50	WSW	3	odm	1018·7	-1	50	-1	WSW	3	-	odm	3	4	53	49	oem	oem.dm	odm	0·0
Portland Bill ...	1019·4	48	SW	6	f	1016·1	-3	46	-2	SW	3	-	or*	5	4	50	44	qpo	of	or	*
Dungeness ...	1018·4	47	WSW	5	m	1014·7	-3	47	-1	SW	4	-	r	4	5	52	45	c.o	om	ofd.or	*
Wick ...	995·4	42	W	3	bc	999·0	0	40	-9	WSW	4	-	bc	3	1	56	36	c.omp	omg.bc	bc.cbc	*
Nairn ...	996·2	50	WSW	5	bc	1000·7	*	42	-10	WSW	3	-	bcq	2	3	59	37	q.bc	bcqd	pq.r.cq	6·2
Leith ...	1007·7	54	WSW	6	bc	1005·9	0	44	-9	WSW	3	W	c	2	0·3	58	42	o.cq.o.c	bcq.bc	bcq.pc	*
Lynemouth ...	1006·3	56	W	4	cmq	1008·2	0	45	-5	W	2	-	bm	3	-	59	43	cmq	cmq	bm	*
Spurn Head ...	1011·2	54	WSW	5	cq	1011·5	-1	45	-4	SW	2	-	cm	4	2	57	44	c	bc.cq	c.or.c l	1·8
Yarmouth (Gorleston)	1013·3	58	W	4	bc	1014·0	-1	48	-3	SW	4	-	omr	4	1	63	47	bcmq	bcq	bcmqr	4·2
Clacton-on-Sea	1015·4	50	SW	5	bc	1014·4	-2	48	-1	SW	3	-	ogr	2	5	60	47	bc.c.og	og.c.bc	bc.ogr	4·1
Nottingham ...	1012·7	57	W	4	c	1013·3	*	48	-2	SW	2	W	o	*	0·2	60	46	c.o	c.o	c.b	2·4

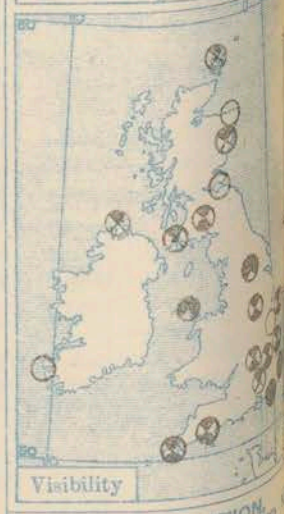
† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

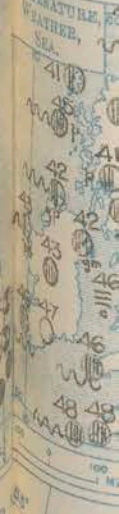
SUMMARY OF CONDITIONS AT 7 A.M. Saturday, 12th April, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	SSW-WSW. 5-21	Rather mild	Dull, rainy, coastal fog.	Variable	Mod.
2. E. England	SW. 10-15	Mild	Dull, rainy, local mist.	Ordinary	"
3. E. Midlands	SW. 5	"	Dull, local mist.	"	–
4. W. Midlands	SW. 5-10	Rather mild	Dull, local rain.	"	–
5. S.W. England	SW. 10-15	Moderate	Dull, local rain or mist	"	Mod.
6. South Wales	SW. 15	"	Dull.	–	Rather rough.
7. North Wales	SW. 10-15	"	Cloudy or dull, local fog	Very poor	Slight
8. N.W. England	S-SW. 5-10	Rather mild	Dull.	–	Smooth
9. N. Midlands	SW. 5-10	"	Cloudy or dull.	Very poor.	–
10. N.E. England	SW. 5	"	Cloudy to fine, misty.	"	Slight
11. E. Scotland	SW. 10-21	"	Fair or fine, squally.	Very good	Smooth
12. S.W. Scotland	SW. 10-21	"	Cloudy or dull, local showers.	Good.	"
13. Isle of Man	SW. 2-10	Moderate	Dull, local mist.	–	"
14. N.&N.W. Scotland	WSW. 10-21	"	Variable sky, local showers.	–	Slight
15. Hebrides	SW-W. 15-21	"	" "	–	Mod.
16. Orkneys and Shetlands	SW. 30-35	"	Dull, local mist & squalls.	Good	Rough
17. N.W. Ireland	W. 21	"	Fair, hail showers.	"	Rather rough
18. N.E. Ireland	S.-SW. 10-21	"	Cloudy, local mist or showers.	"	Slight
19. S.E. Ireland	SW-W. 15	"	Dull.	Ordinary	Mod.
20 S.W. Ireland	W. 15-21	"	Cloudy to fine.	Very good.	Slight

GENERAL INFERENCE from observations received up to 10 a.m.

A large depression to the northward of Scotland and slight secondary depressions passing eastward over the British Isles will cause variable weather very generally - occasional showers in many localities.

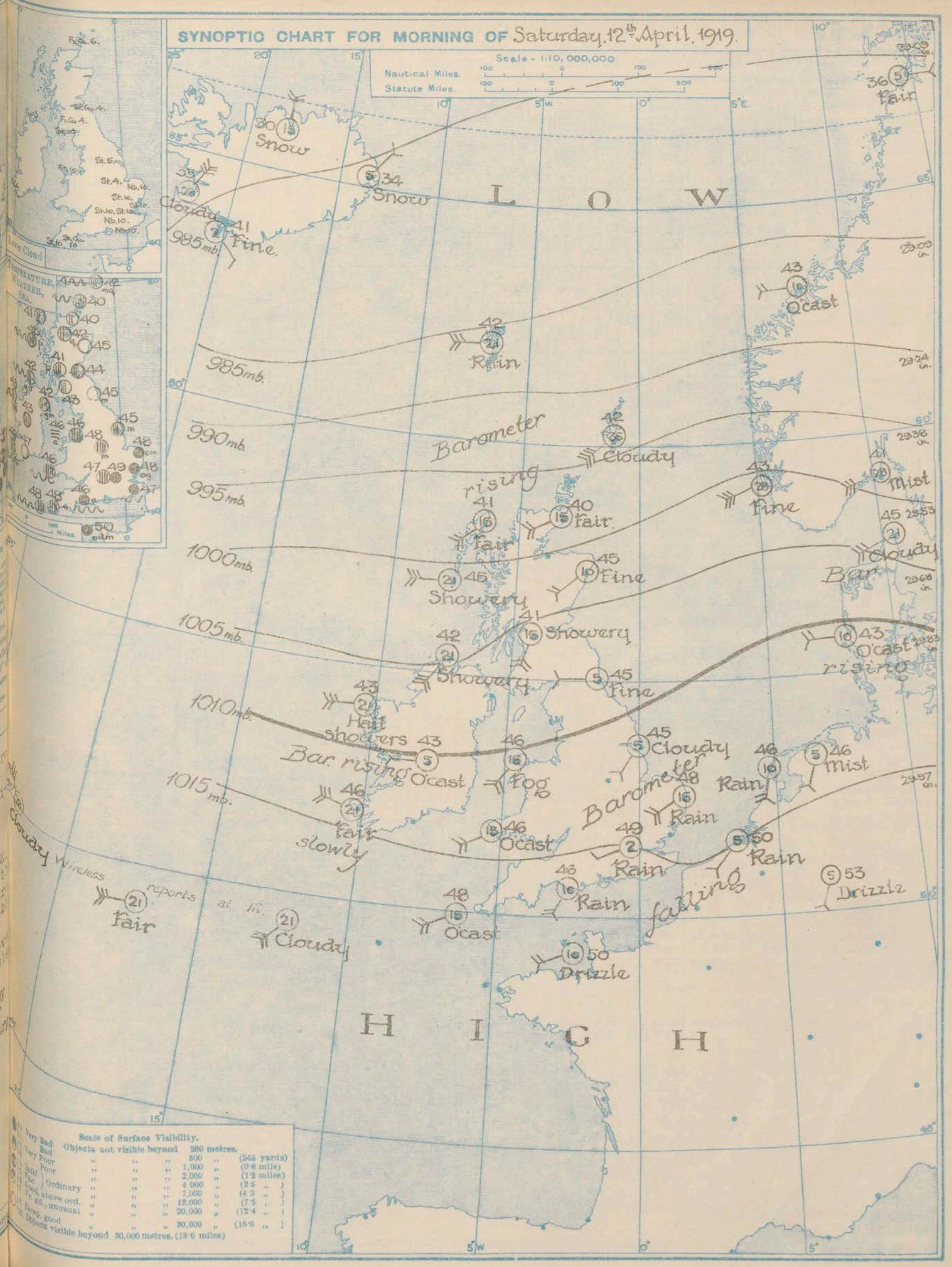




EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in degrees.
WEATHER SYMBOLS.—clear sky. sky ½ clouded. overcast sky. snow. hail. T thunder. R thunderstorm. sky half clouded. rain. fog.
SEA DISTURBANCE.—Rough. High seas.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Saturday, 12th April, 1919	Further Outlook.
1. S.E. England 2. E. England 3 E. Midlands 4. W. Midlands	Wind from SW. or W. light or moderate. Variable sky, local showers. Temperature falling somewhat.	It appears probable that the pressure distribution will be favourable for surface winds from between SW. and W. during the immediate future with considerable intervals of fair weather over the British Isles interrupted occasionally by the passage of slight secondary depressions.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Wind SW. or W. light or moderate, fresh in exposed places. Variable sky, local showers, mist at times. Temperature falling somewhat.	
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 from SW. or W, light or moderate, fresh locally. Cloudy or variable sky, some showers. Moderate temperature.	
17. N.W. Ireland 18. N E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind W. to SW, light or moderate, fresh locally. Changeable, some showers, mist at times on coast. Moderate temperature.	

Meteorological Office, Exhibition Road, London, S.W. 7. H. G. LYONS, Col., Director. R. G. K. LEMPFERT, C.B.E., Superintendent Forecast Divisi


SYNOPTIC CHART FOR MORNING OF Saturday, 12th April, 1919.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
L O W
H I G H
985mb.
990mb.
995mb.
1000mb.
1005mb.
1010mb.
1015mb.
Barometer rising
Bar. rising slowly
Barometer falling
Bar. rising
Snow
Cloudy
Fine
Rain
Fair
Mist
Showery
Hail showers
Fog
Drizzle
Lower Cloud
Temperature, Weather, Sea.
Scale of Surface Visibility.
0 Very Bad
1 Bad
2 Very Poor
3 Poor
4 Fair
5 Good, above ord.
6 Very Good, unusual
7 Exceep. good
8 Objects visible beyond 30,000 metres. (18·6 miles)
Objects not visible beyond 200 metres.
500 (546 yards)
1,000 (0·6 mile)
2,000 (1·2 miles)
4,000 (2·5 ")
7,000 (4·3 ")
12,000 (7·5 ")
20,000 (12·4 ")
30,000 (18·6 ")

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 102B {Saturday April 12th}

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

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h. 9th–10th. 10th	Rainfall. Day. 9h. 10th–17h. 11th	Sunshine. to 17h. 11th	Sunshine. Sunrise to Sunset. 10th
Scotland.	Banff	rc	bc	61	45	–	0·2	4·5	4·2
	St. Andrews ...	–	–	–	–	–	–	–	?
	Montrose	–	–	60	44	–	–	2·7	1·6
England, N.E.	Harrogate	b	c.c	58	48	–	–	1.3	0·1
	Skegness	obc.	bc.o.bc.	60	47	–	–	2·3	?
England, E.	Felixstowe	bc	bc	61	43	–	–	3·8	0·0
	Walton-on-Naze...	–	–	–	–	–	–	–	?
	Southend-on-Sea...	o.c	o	56	44	–	–	2·3	0·0
England, S.E.	Littlehampton	–	o	?	46	–	–	0.0	0·5
	Margate	bc	bc	60	43	–	–	4·7	0·0
	Ramsgate	–	bc	58	43	–	–	4·8	?
	Hastings	or.bc	o	55	47	0·2	–	0·9	0·0
	Eastbourne... ...	oq.bc	oc	51	43	1	–	1·3	0·2
	Worthing	o	o	50	47	–	–	0·0	0·2
	Bournemouth ...	–	–	59	47	2	–	0·0	2·0

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 10th	Rainfall. Day. 9h-17h. 11th	Sunshine. to 17h. 11th	Sunshine. Sunrise to Sunset. 10th
England, N.W.	Southport	o.c.bc.c	c.o.c	59	43	1	–	2·6	0·0
Midlands.	Buxton	–	–	53	46	0·2	–	0·6	0·0
	Leamington Spa...	cb	c.b.bc	–	–	–	–	–	0·7
	Malvern	c	bc.b	58	52	–	–	5·0	?
	Ross-on-Wye ...	oq.cq	ocq.bq	59	50	–	–	3·7	1·3
Wales.	Rhyl	–	–	–	–	–	–	–	?
	Colwyn Bay ...	–	–	60	49	–	–	3·1	0·0
	Llandudno	o	c	57	50	–	–	3·4	0·0
	Aberystwyth ...	–	roc	50	46	*	*	2·5	!
England, S.W.	Weymouth	co	omr	52	48	–	–	0·4	0·3
	Torquay	oq	o	53	51	0·1	0·3	0·0	1·1
	Penzance	orc.	omo	54	51	1	0·4	0·0	0·0
	Newquay	odq	odq	53	40	–	0·4	0·0	0·0
	Weston-s-Mare ...	roc	bc.c	54	45	–	trace	1·3	0·0

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-18h 11th	Weather 18h-18h 11th	Weather 18h 11th–1h 12th	Weather 1h-7h 12th	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)...	r,	b.bc	b.bc.c	b.bc.c	49	37	*	*	*	*
Eskdalemuir	odmof	ofbcyc	ofqoc	c.oc.	53	30	36	2	0·3	0·7
†Stranraer	ca.o	c.oq	–	c	58	42	*	*	*	*
†Lough Foyle	r,	–	–	c.oq	50	38	*	*	*	*
Valencia (Cahirciveen) ...	opd.bc.o	c.op	bc	cp	46	43	42	0·2	2	5·5
†Anglesey (Llangefni) ...	omfdo	bc.c	or,	oc	52	45	*	*	*	*
Falmouth	eqdmq	dm	oafc	om	52	47	41	2	5	0·0
†Calshot (Hants)	omd,	omd,	omd,	–	59	42	*	*	*	*
†Capel (Folkestone)... ...	c.ef2	ef2	–	ef2.r2			*	*	*	*
Aberdeen	omcq	cbcqy	b.bcq	bc.b	63	40	30	–	–	4·2
†East Fortune	cq	c.oq	b.bcq	b.bcq	59	41	*	*	*	*
†Howden	oq	q.c.o	bc.cq	f1.p2	61	43	*	*	*	*
†Felixstowe	qz	qz	⊕.q	r2.tlrho	60	45	*	*	*	*
†Cranwell (Lincs) ...	–	o.c.o	b.bc.⊕	fo.c	61	45	*	*	*	*
Benson	o	bc	–	bc.r	58	46	41	–	3	*
London (Kew Obsy.) ...	o	bc	o	omr	58	48	47	–	5	1·4

BEAUFORT NOTATION.

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.
e wet air without rain falling.
f fog. g gloom.
h hail. l lightning.
m mist.
o overcast sky.
p passing showers.
q squalls.
r rain.
rs sleet, *i.e.*, rain and snow together.
s snow.
t thunder.
u ugly, threatening sky.
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.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Limits of Velocity. Metres per second.
0	Less than 1	Less than 0·3
1	1– 3	0·3– 1·5
2	4– 7	1·6– 3·5
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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity. 0 = slight, 2 = heavy. Underlining is used to express continuity.

LONDON. OBSERVATIONS.

24 HOURS ENDED 9H G.M.T. 12th

	Weather. Morning	Weather. Afternoon.	Weather. Night.	Max. Temp. °F.	Min. Temp °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours. Yesterday.	Humidity % 15 h. G.M.T. To-day.	Humidity % 9 h. G.M.T. To-day.
Greenwich (Royal Observatory)	o	o.c.o	or	60	47	46	7	2·0	83	90
City (Bunhill Row)	*	*	*	*	*	*	*	1·1	*	*
Westminster (St. James's Park)	*	*	*	59	48	48	7	1·7	87	93
,, (Admiralty Arch)	oqr.bcq	cqpc.bc	c.orm	58	48	*	7	1·3	85	95
Camden Sq. (British Rainfall)	bc.	bc.c	*	59	47	47	7	1·2	?	88
Kensington Palace	o	obc	*	58	47	47	7	*	*	89
Richmond Park	*	*	*	*	*	*	*	1·3	*	*

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total .....728..... Joules.

Average Rate. 15·0 Milliwatts.

Maximum Rate. 58 ,,

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

12th & 13th April 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth...	5·4	11·54	6·43
	5·2	11·54	6·45
Greenwich	5·14	12·1	6·48
	5·12	12·1	6·50
Wick ...	5.11	12·13	7·14
	5·9	12·13	7·17
Valencia ...	5·54	12.42	7·30
	5·52	12·42	7·32

NOTES ON THE WEATHER OF YESTERDAY.

Showers were again general, but were mostly slight, and many parts of the Kingdom had fairly good sunshine records. At Castlebay the figure was 7.1 hours. In south-western and in some parts of southern England, however, the day was mostly sunless. Lightning was observed at Spurn Head before 7 a.m. today and a thunderstorm occurred at Felixstowe. Temperature rose to about 60° over a large portion of the eastern half of Great Britain and in the east of Ireland, but at Eastbourne and Worthing, the highest temperature was about 50°. The minima of the night were high generally.

† Air Ministry Station

* Information for these columns not usually received.

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METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No 20,961 B. ..Sunday,..13th..April.....1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud Form.	Upper Cloud Amt. 0-10.	Sea 0-9.
	13H G.M.T. of 12th April													
†Houton B. (Orkney)	998.7	+1	WSW	8	40	r.q	82	5	2-3000	St.cu	5	A.cu	3	5
Eskdalemuir ...	1007.1	−1	W	4	45	bc	65	6	2-3000	Cu.Nb	5	A.cu	1	*
†Stranraer ...	1009.1	+1	W	2	46	cv	75	8	1-1500	St.cu	7	-	-	*
†Lough Foyle ...	988.5	0	W	7	45	bc	87	6	3-4000	Cu	6	-	-	4
Valencia (Cahirc'n)	1016.5	0	WSW	5	49	b	65	10	2-3000	Cu	3	-	-	5
†Anglesey (Llangefni)	1012.2	+2	WNW	4	49	bc	75	8	1½-2000	St.	5	-	-	4
Falmouth ...	1017.6	−1	WNW	5	55	c	65	6	-	Cu	4	Ci	3	*
†Calshot (Hants) ...	1015.9	−1	WSW	5	52	bc	92	6	?	Nb	4	-	-	5
†Capel (Folkestone)	1015.1	0	W	3	48	om	98	3	1½-2000	St.	10	-	-	-
Aberdeen ...	1002.8	0	WSW	4	54	bc	45	8	-	Cu	4	-	-	2
†East Fortune ...	1005.9	−2	W	6	51	bc	55	7	5-7000	St.cu	2	A.St	2	*
†Howden ...	1009.6	−1	SSW	6	49	0	75	5	4-5000	St cu	10	-	-	*
†Felixstowe ...	1013.3	−1	WSW	3	55	0	75	5	4-5000	St.cu	10	-	-	3
†Cranwell (Lincs)														*
Benson ...	1013.7	−1	WSW	3	52	0	87	5	-	-	-	-	-	*
London (Kew Ob.)	1013.8	−1	W	2	55	0	65	7	-	St.cu	8	A.St	2	*
	1H. G.M.T. of 13th April													
†Houton B. (Orkney)	999.2	−1	SE	4	35	0	87	7	3-4000	St	9	-	-	4
Eskdalemuir ...	1006.9	−2	WSW	4	36	c	87	6	-	Cu	8	-	-	*
†Stranraer ...														
†Lough Foyle ...														
Valencia (Cahirc'n)	1012.9	−2	WNW	3	42	cp	-	-	-	-	-	-	-	4
†Anglesey (Llangefni)	1012.0	−2	SW	2	40	ofz	92	5	5-6000	-	-	A.St	3	3
Falmouth ...	1015.5	−2	W	2	43	0	87	7	-	-	-	A.St	10	*
†Calshot (Hants) ...	1013.4	−3	W	1	44	0	92	8	5-6000	St	10	-	-	2
†Capel (Folkestone)														
Aberdeen ...	1002.1	0	S	3	34	0	87	5	3-4000	St.cu	8	-	-	-
†East Fortune ...	1004.2	−4	SW	6	40	bc	75	-	2-3000	St.cu	4	-	-	*
†Howden ...	1010.1	−1	SW	3	38	bc	55	5	-	-	-	C.St	6	*
†Felixstowe ...	1012.1	−1	W	1	45	b	92	-	-	-	-	-	-	2
†Cranwell (Lincs)														*
Benson ...														*
London (Kew Ob.)	1012.6	−1	W	2	46	c	-	-	-	-	-	-	-	*

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud Form.	Upper Cloud Amt. 0-10.	Sea 0-9.
	18H. G.M.T. of 12th April													
†Houton B. (Orkney)	999.5	+1	WSW	6	40	bc	87	5	3-4000	Cu.Nb	2	Ci.St	2	5
Eskdalemuir ...	1007.6	0	WSW	6	42	bcq	65	7	-	Cu.Nb	5	Fa.Ci	1	*
†Stranraer ...	1008.6	0	WNW	3	46	bcv	75	8	2-3000	Cu	3	Ci.St	2	*
†Lough Foyle ...	1008.0	+1	W	7	43	r.q	82	6	3-4000	Cu	7	-	-	4
Valencia (Cahirc'n)	1015.2	−2	SW	6	48	b	65	10	3-4000	Cu	2	A.Cu	1	4
†Anglesey (Llangefni)	1011.7	0	SW	4	46	bc	82	8	4-5000	Cu	3	A.St	1	4
Falmouth ...	1017.3	0	WNW	4	48	bc	-	-	-	-	-	-	-	*
†Calshot (Hants) ...	1014.8	−1	W	4	50	oq	98	7	2-3000	St.	2	Ci	8	5
†Capel (Folkestone)														
Aberdeen ...	1003.2	+1	WSW	3	48	bc	45	8	-	Cu	4	-	-	2
†East Fortune ...	1006.0	0	W	6	47	bc	65	4	4-5000	St.cu	5	-	-	*
†Howden ...	1010.1	+2	W	5	47	bc	65	6	4-5000	St.cu	4	-	-	*
†Felixstowe ...	1012.2	−1	WNW	4	52	c	75	6	2-3000	Nb	7	A.St	1	3
†Cranwell (Lincs)	1011.2	+4	NW	4	49	b	65	7	3-4000	St	1	Ci	2	*
Benson ...	1013.1	0	W	4	51	c	65	8	-	Cu	3	-	-	*
London (Kew Ob.)	1012.9	−1	W	2	55	bc	55	7	-	Cu	1	Ci	4	*
	7H. G.M.T. of 13th April													
†Houton B. (Orkney)	999.9	−5	S	6	36	c	87	8	5-7000	Fr.Cu	2	A.Cu	5	5
Eskdalemuir ...	1003.3	−4	SW	5	37	0	87	7	2-3000	Fr.Cu	7	Ci	2	*
†Stranraer ...	1003.7	−3	SW	4	40	oq	87	8	3-4000	St	8	-	-	*
†Lough Foyle ...	1001.7	−4	SW	8	39	r.q.g.m	97	4	<500	Nb	10	-	-	5
Valencia (Cahirc'n)	1009.7	−2	WSW	4	42	b	82	10	1½-2000	Cu	3	-	-	4
†Anglesey (Llangefni)	1007.5	−4	WSW	3	42	0	87	8	3-4000	St.Cu	5	Ci.St	4	4
Falmouth ...	1012.8	−1	W	3	42	b	87	6	-	Cu.Nb	2	-	-	*
†Calshot (Hants) ...	1011.4	−2	W	1	43	0	92	8	-	-	-	Ci.St	3	3
†Capel (Folkestone)	1010.8	−3	N	1	44	0	87	6	2-3000	Cu	5	A.Cu	5	2
Aberdeen ...	999.3	−2	S	2	36	bc	95	7	-	-	-	F.Cu	4	2
†East Fortune ...	1001.6	−3	SW	4	41	b	75	8	4-5000	S.Cu	2	C.St	1	*
†Howden ...	1007.5	−1	S	1	40	bc	87	5	-	-	-	C.Cu	5	*
†Felixstowe ...	1010.1	−1	?	2	43	c	92	3	-	-	-	Ci	7	3-9
†Cranwell (Lincs)	1008.6	−2	SSW	1	41	bc	87	6	2-3000	St	2	C.St	2	*
Benson ...	1010.4	−1	W	2	41	0	98	4	-	St	10	-	-	*
London (Kew Ob.)	1010.8	0	SW	1	43	bcz	87	4	-	-	-	A.St	5	*

STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather	Barometer. at M.S.L. m.b.	Barometer. ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	18H. G.M.T. of 12th April					7H. G.M.T. of 13th April									24 HOURS ENDED 7H. 13th April						12th April
Lerwick ...	998.0	43	W	5	bc	996.3	−2	45	+3	SW	3	SW	bc	2	0.2	47	38	bcmq	bc	bc	*
Stornoway ...	1000.3	43	WSW	6	bcpq	990.7	−7	39	−2	SW	3	-	op	2	5	48	37	bcpq	bcpq	cop	9.1
Castlebay (Barra Is)	1003.3	44	WSW	5	c	995.7	−1	40	−5	W	5	-	op	5	2	46	37	cp, bc	bcp, bc	bch.cp	6.9
Glasgow ...	1006.7	44	WSW	4	c	1001.7	−3	39	−2	SW	4	W	c	*	2	48	36	crhpq	bcrhp	cb.bcp	5.8
Malin Head ...	1006.0	42	WSW	5	bcqp	999.8	−3	40	−2	WSW	5	W	bcqph	5	1	51	38	bcpq	bcqp	bc,qph	*
Blacksod Point	1008.3	43	SW	6	bc	1003.5	−3	38	−5	W	5	W	bcqph	6	4	51	36	bcp	bcphz	cphqh	*
Roche's Point ...	1015.7	49	W	4	bc	1010.3	−1	43	−4	W	3	-	b	3	1	53	42	bcp	bc	bc.b	*
Birr Castle ...	1012.7	45	W	2	c	1007.1	*	40	−3	SW	1	S	c	*	3	52	36	c	c	cp	1.9
Donaghadee ...	1008.5	49	WNW	5	bcq	1003.5	−2	37	−5	SW	4	SW	cmq	3	1	52	34	omp, bc	bcqp	bcpq	
Liverpool (Bidston)	1011.0	49	W	4	b	1007.0	−3	40	−6	SW	1	W	bc	1	-	53	38	op	b	b.bc	8.5
Holyhead ...	1011.5	49	SW	3	bc	1006.8	−3	43	−3	WSW	4	W	cq	3	Trace	52	41	cf, bc, b	b, bcp, b	b.bc cq	7.6
Pembroke (St. Ann's Head)	1015.0	46	W	4	c	1009.7	−3	44	−2	W	4	-	oqp	4	1	49	42	c, b	b	c	8.2
Scilly (St. Mary's)	1018.8	49	WNW	3	c	1013.9	−1	47	−1	W	4	W	c	5	0.4	54	45	om, c	bc, c	c.bc.c	6.0
Jersey (St. Aubin)	1018.1	50	W	5	c	1013.0	−1	45	−5	NW	3	NW	c	3	1	53	44	aim, om	om, c, o, c	c.o.c	0.3
Portland Bill ...	1015.2	48	WSW	4	c	1011.7	−1	46	0	W	4	-	b	4	0.3	50	32	o, c	c	oc	*
Dungeness ...	1013.3	47	WSW	4	c	1010.1	−1	41	−6	W	2	W	c	2	1	49	39	r, c	c	c	*
Wick	1000.9	45	WNW	4	bc	995.8	−5	39	−1	SSW	4	W	c	3	0.3	51	35	c, bc	cp, bc	c	*
Nairn	1002.3	42	WSW	3	bc	996.3	*	38	−4	WSW	4	-	bcq	3	1	50	34	p, bcq	bcpqg	bcqp	10.2
Leith	1005.9	44	NW	2	bc	1000.8	−1	40	−4	SW	4	SW	b	3	3	51	36	cbcq c	qn c bc	bcp rh	*
Tynemouth ...	1007.0	48	NW	3	bc	1003.8	−2	40	−5	SW	2	-	cm	3	-	53	36	cp	bc	bc.cm	*
Spurn Head ...	1010.2	49	WNW	5	bcq	1008.0	−1	40	−5	SW	2	-	bc	3	2	55	38	cq	bcq	bc	3.5
Yarmouth (Gorleston)	1010.3	50	WNW	3	bc	1009.6	−1	41	−7	WNW	3		bcm	3	1	57	39	omr, cm	cm, bcp	bc.cm	2.4
Clacton-on-Sea	1012.0	54	WSW	4	bc	1009.7	−1	43	−5	W	3	W	c3	1	2	57	40	ogr, c, o	o, cp, bc	bc.cx	1.9
Nottingham ...	1011.6	50	WNW	3	b	1008.4	*	39	−3	SW	1	SW	b3	*	3	56	35	o, cp	c, bc	bc.op	8.2

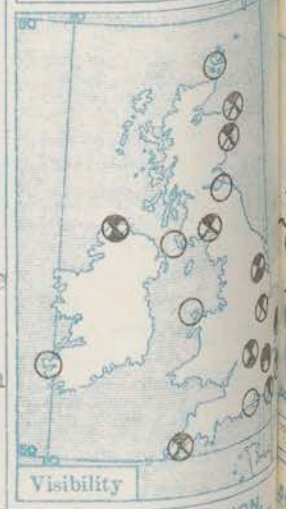
† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARY OF CONDITIONS AT 7 A.M. Sunday 13th April, 1919.

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Calm to W.10	Mild	Fine to Overcast; mist locally.	V.Godd	Slight
2. E. England	W. 5-10	"	Fine - cloudy.mist "	Ordinary	Smooth
3. E. Midlands	Calm-SW.5	"	Fine,hazy	Good	-
4. W. Midlands	" "	"	" "	"	-
5. S.W. England	W.Lo-15	"	" cloudy at Scilly	"	Moderate
6. South Wales	" "	"	Overcast, squally & showery	-	"
7. North Wales	WSW.10-15	"	Cloudy - overcast	V.Good	"
8. N.W. England	SW. 2	"	Fair	-	Smooth
9. N. Midlands	SW. 2	"	" hazy	-	-
10. N.E. England	SW. 5-10	"	Fair to cloudy.	Good	Slight
11. E. Scotland	S - W. 5-15	Rather cold	Fair	V.Good	Slight
12. S.W. Scotland	SW. 15 -20	"	Cloudy to overcast	"	"
13. Isle of Man	" "	"	" "	"	"
14. N.&N.W.Scotland	SW. 15	Moderate	Cloudy	-	"
15. Hebrides	SW.-W10-20	Rather cold	Overcast,showery	-	Moderate
16. Orkneys and Shetlands	S-SW.10-30	Moderate	Fair to cloudy	Ex.good	"
17. N.W. Ireland	W.20	Rather cold	" ,hail showers	Ordinary	Rather rough
18. N.E. Ireland	SW. 15	" "	Cloudy, squalls & mist	-	Slight
19. S.E. Ireland	SW. 2	Moderate	Cloudy	-	-
20 S.W. Ireland	WSW - W 10-15	"	Fine	V.Good	Slight.

GENERAL INFERENCE from observations received up to 10 a.m.

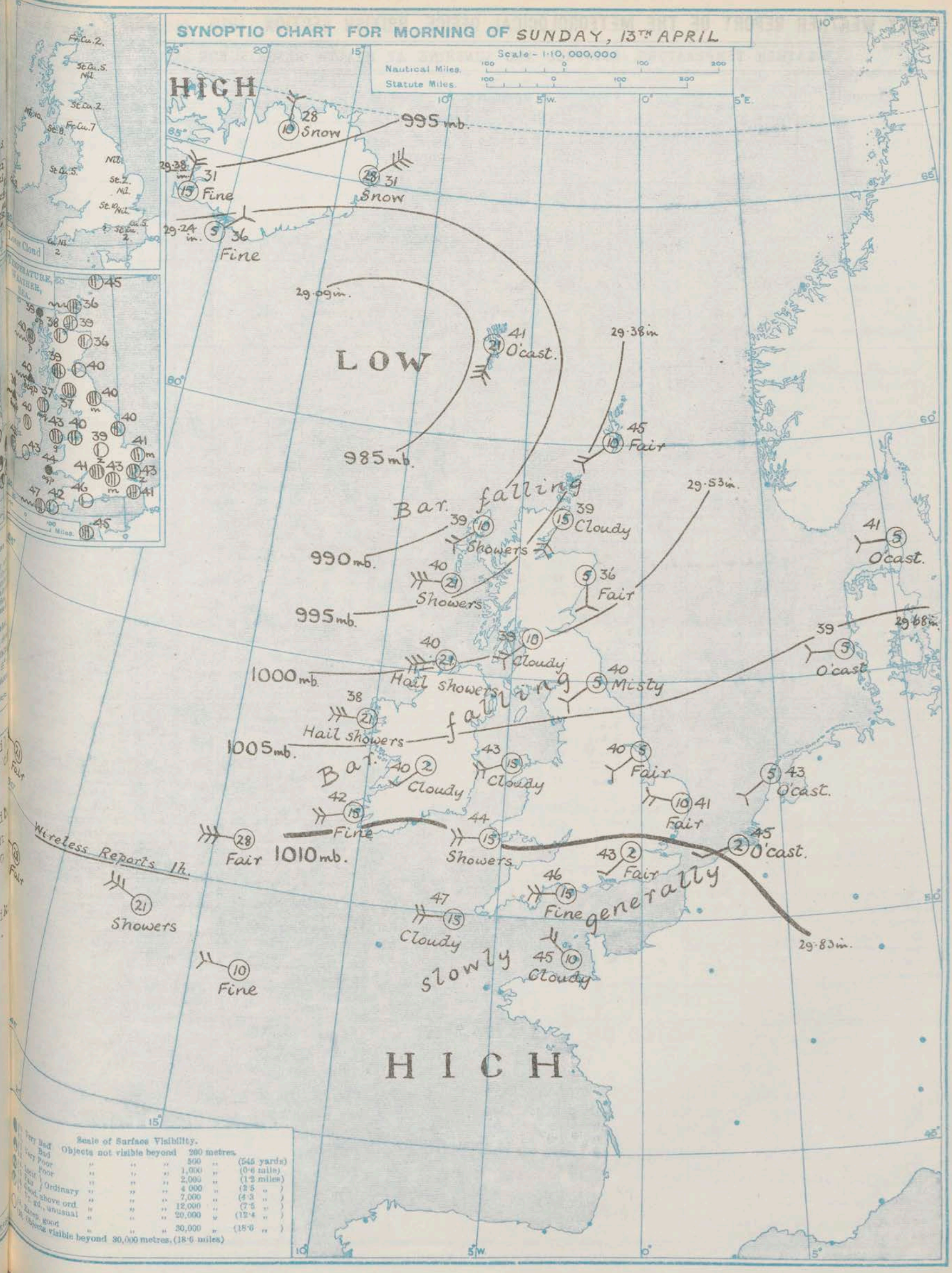
A depression to the Northwest of Scotland appears to be moving eastward, and slight secondary disturbances are likely to pass over the British Isles from the westward.



EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars
WIND.—Direction is shown by the 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 degrees.
WEATHER SYMBOLS.—
clear sky. sky ¼ clouded. sky ½ clouded. sky ¾ clouded. overcast sky. rain. snow. hail. fog. thunder. thunderstorm.
SEA DISTURBANCE.—Rough High seas

Districts.	Forecasts for the 24 hours commencing 3 p.m. Sunday, 13th April, 1919.	Further Outlook.
1. S.E. England 2. E. England 3 E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Wind from SW. or W. Light to moderate. Variable or cloudy sky, some rain. Temperature rising somewhat.	There are still no indications of any material change in the pressure distribution, and an unsettled SW.y. to Wly. type of conditions is consequently likely to continue.
7. North Wales 8. N.W. England	Wind from SW. or W. moderate to strong. Changeable, showery. Milder.	
9. N. Midlands 10. N.E. England	Same as 1 - 6.	
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 from SW. or W, moderate to fresh or strong. Changeable, showery. Milder.	
19. S.E. Ireland 20. S.W. Ireland	Wind SW. or W. Moderate or fresh. Changeable, showery. Milder.	

Meteorological Office, Exhibition Road, London, S.W. 7. H. G. LYONS, Col., Director. R. G. K. LEMPFERT, C.B.E., Superintendent Forecast Div.


SYNOPTIC CHART FOR MORNING OF SUNDAY, 13TH APRIL
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
HIGH
995 mb.
28 Snow
29.38 in. 31 Fine
31 Snow
29.24 in. 36 Fine
29.09 in.
LOW
41 O'cast.
29.38 in
45 Fair
985 mb.
Bar. falling
39 Cloudy
29.53 in.
39 Showers
990 mb.
40 Showers
36 Fair
995 mb.
41 O'cast.
39 Cloudy
29.68 in.
39 O'cast
1000 mb.
Hail showers
40 Misty
38 Hail showers
falling
1005 mb.
Bar.
40 Cloudy
43 Cloudy
40 Fair
43 O'cast.
42 Fine
41 Fair
Wireless Reports 1h.
28 Fair
1010 mb.
44 Showers
43 Fair
45 O'cast.
21 Showers
47 Cloudy
46 Fine
generally
slowly
45 Cloudy
29.83 in.
10 Fine
HIGH
Scale of Surface Visibility.
Very Bad Objects not visible beyond 200 metres.
Bad " " " 500 " (545 yards)
Very Poor " " " 1,000 " (0·6 miles)
Poor " " " 2,000 " (1·2 miles)
Bad " " " 4,000 " (2·5 ")
Ordinary " " " 7,000 " (4·3 ")
Good, above ord. " " " 12,000 " (7·5 ")
V. gd., unusual " " " 20,000 " (12·4 ")
Excep. good " " " 30,000 " (18·6 ")
Objects visible beyond 30,000 metres. (18·6 miles)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 103 B {Sunday April 13th}

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

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 11th	Rainfall. Day. 9h-17h. 12th	Sunshine. to 17h. 12th	Sunshine. Sunrise to Sunset. 11th
Scotland,	Banff	b	b	52	40	–	–	8·6	5·0
	St. Andrews ...								
	Montrose	–	–	60	41	–	–	8·1	3·1
England, N.E.	Harrogate	o.cp,bc	bc	51	42	0·3	1	6·8	2·5
	Skegness								
England, E.	Felixstowe	or,bc	c.bc	57	47	4	0·3	1·7	4·2
	Walton-on-Naze...								
	Southend-on-Sea...	o,c	c	55	48	7	–	1·4	2·3
	Clacton-on-Sea	ogr.c,o	o.cp.bc	57	47	5	2	1·6	?
England, S.E.	Littlehampton	–	–	52	47	8	–	4·7	0·0
	Margate	or	c	57	48	9	1	1·0	5·2
	Ramsgate								
	Hastings	or	bc	51	46	9	0·3	1·9	0·9
	Eastbourne... ...	o.bc,b	o,bc,o	51	47	16	–	1·8	1·3
	Worthing								
	Bournemouth ...	–	–	56	47	5	–	5·5	0·0

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 11th	Rainfall. Day. 9h-17h. 12th	Sunshine. to 17h. 12th	Sunshine. Sunrise to Sunset. 11th
England, N.W.	Southport	o,cp,bc	b	50	45	2	0·6	5·7	2·6
Midlands.	Buxton	bcr	bcr	48	42	4	6	0·6	0·6
	Leamington Spa...	o,c,bp	c,b,ot,c	56	46	0·3	4	3·3	3·8
	Malvern								
	Ross-on-Wye ...	c.bcp	bcq	58	47	0·1	1	4·7	4·5
Wales.	Rhyl								
	Colwyn Bay ...								
	Llandudno								
	Aberystwyth ...	r,c	c	48	45	*	*	3·0	?
England, S.W.	Weymouth								
	Torquay								
	Penzance	om,c	bc	56	49	4	–	5·8	0·0
	Newquay								
	Weston-s-Mare ...								

Summaries for past 24 Hours.

STATIONS.	Weather 7h-13h 12th	Weather 13h-18h 12th	Weather 18h 12th-1h 13th	Weather 1h-7h 13th	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)...	q.po	q.p,	bc.cq	pd, ⊕	49	33	*	*	*	*
Eskdalemuir	prs.prh	prh₀qcr	bc.b	c.o.c	49	35	31	4	–	4·5
†Stranraer	p.c.o	p,q		q.o	57	38	*	*	*	*
†Lough Foyle	b.bc	prh₂		prs₁	52	38	*	*	*	*
Valencia (Cahireiveen) ...	bc.c.b.bc	b.b.c.c.b	cp	c.o.bc.cp	49	41	38	1	3	1·0
†Anglesey (Llangefni) ...	c.o.q	p₀q	b.bc	bc.c	52	39	*	*	*	*
Falmouth	c.o.om₀	cq.bcy	b.bc ⊕	c ⊕	56	39	30	trace	–	5·8
†Calshot (Hants)	c.rh	cq	b.bc ⊕	o	53	37	*	*	*	*
†Capel (Folkestone)... ...	c.cf	cpd₁		c.o.of₂	49	46	*	*	*	*
Aberdeen	b.bcy	b.bcy.b	b.bc	b.bc	55	34	26	–	–	11·1
†East Fortune	bc.cq	bc.cq	b.bcq	b.bcq	57	38	*	*	*	*
†Howden	cf,b.bc	q.p	c.o ⊕	b.bc	58	32	*	*	*	*
†Felixstowe	p₀.z₂	c.oq	c ⊕	c.o ⊕	58	41	*	*	*	*
†Cranwell (Lincs) ...		b.bc.b		bc.c	58	34	*	*	*	*
Benson	bc.o	b.bcv		bc.c	–	–	32	–	0·4	*
London (Kew Obsy.) ...	⊕ pd₀	op.cp.b.bc	c.bc ⊕	bc.c.bcm	56	40	32	1	trace	7·7

BEAUFORT NOTATION.

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.
e wet air without rain falling.
f fog. g gloom.
h hail. l lightning.
m mist.
o overcast sky.
p passing showers.
q squalls.
r rain.
rs sleet, *i.e.*, rain and snow together.
s snow.
t thunder.
u ugly, threatening sky.
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.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Limits of Velocity. Metres per second.
0	Less than 1	Less than 0·3
1	1– 3	0·3– 1·6
2	4– 7	1·6– 3·4
3	8–12	3·4– 5·5
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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0 = slight, 2 = heavy. Underlining is used to express continuity.

LONDON. OBSERVATIONS.

	Weather. Morning	Weather. Afternoon.	Weather. Night.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours.	Humidity % 15 h. G.M.T.	Humidity % 9 h. G.M.T.
	24 Hours ended 9h G.M.T. 13th April							Yesterday.		To-day.
Greenwich (Royal Observatory)	obc	bcp	⊕	58	39	32	0·3	2·1	80	72
City (Bunhill Row)	*	*	*	*	*	*	*		*	*
Westminster (St. James's Park)	*	*	*							
" (Admiralty Arch)						*				
Camden Sq. (British Rainfall)	bc	c.or.bc	*	58	39	36	1	3·3	57	59
Kensington Palace	pro	bc	*	56	40	35	1	*	*	73
Richmond Park	*	*	*	*	*	*	*		*	*

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total ..... Joules.

Average Rate. Milliwatts.

Maximum Rate. " "

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

13th & 14th April 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth ...	5.2 / 4.59	11.54 / 11.53	6.45 / 6.47
Greenwich	5.12 / 5.9	12.1 / 12.0	6.50 / 6.52
Wick ...	5.9 / 5.6	12.13 / 12.13	7.17 / 7.20
Valencia ...	5.52 / 5.49	12.42 / 12.41	7.32 / 7.34

NOTES ON THE WEATHER OF YESTERDAY.

Temperature rose to 55° and above over a large area, but only to about 50° at some stations in the West, North-west and North. Bright sunshine was more abundant in Scotland than elsewhere

In the East of England the values were low. Showers were again experienced generally, but were mostly slight.

† Air Ministry Station

* Information for these columns not usually received.

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METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No. 29,842 B .... MONDAY, ...14th APRIL...1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind Direc.	Wind Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility 0-10.	Height of Low Cloud Feet.	Low Cloud Form.	Low Cloud Amt. 0-10.	Upper Cloud Form	Upper Cloud Amt. 0-10.	Sea 0-9.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind Direc.	Wind Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility 0-10.	Height of Low Cloud Feet.	Low Cloud Form.	Low Cloud Amt. 0-10.	Upper Cloud Form	Upper Cloud Amt. 0-10	Sea 0-9.
	13H G.M.T. of ...13th APRIL														18H. G.M.T. of ...13th APRIL													
†Houton B. (Orkney)	990·5	-3	WSW	7	40	o	87	6	1½-2000	fr.cu	8	-	-	5	991·0	0	WSW	7	39	o	87	4	1-1500	st	10	-	-	4
Eskdalemuir ...	999·7	-1	SW	5	44	om	55	6	-	cu,nb	8	fa.cu	1	*	999·1	-2	SW	4	37	o	87	7	1½-2000	st	2	al.st	7	*
†Stranraer ...	1001·2	-3	WSW	4	41	cq	92	8	1-1500	nb	7	cu.st	1	*	998·5	-3	-	0	39	ov	98	8	1-1500	st	9	al.st	1	*
†Lough Foyle ...	1000·6	-1	SW	6	41	c	92	6	½-1000	cu.nb	4	-	-	5	997·7	-4	W	6	39	pd	98	4	1-1500	nb	9	-	-	5
Valencia (Cahirc'n) ...	1005·6	-5	SW	5	48	o	75	0	3-4000	st.cu	6	cu.st	4	4	998·2	-11	S	5	45	r0	87	8	1-1500	st	7	al.st	3	4
†Anglesey (Llangefni)	1004·9	-5	SW	5	48	bc	75	8	4-5000	?	?	?	?	5	1002·6	-2	WSW	6	43	Th2q	87	5	1½-2000	st	10	-	-	5
Falmouth ...	1011·1	-2	W	5	49	bcpq	75	6	-	cu.nb	5	-	-	*	1007·7	-4	SW	5	47	oq	-	-	-	-	-	-	-	*
†Calshot (Hants) ...	1009·9	-2	WSW	6	51	bcq	87	8	3-4000	nb	4	al.st	2	6	1007·9	-1	WSW	5	47	r3f1	92	8	½-1000	st	8	cu.st	4	6
†Capel (Folkestone)	1009·2	-1	SW	3	46	c	92	5	1½-2000	fr.cu	7	-	-	2	1006·7	+1	WNW	5	42	c	87	5	[illegible]	cu.nb	5	-	-	5
Aberdeen ...	995·9	-2	SW	4	49	c	45	7	-	cu	1	fa.cu	7	2	994·8	-1	SW	2	47	bcy	45	7	-	cu	2	fa.cu	2	*
†East Fortune ...	999·2	-2	W	5	46	cq	65	7	4-5000	st.cu	4	fa.cu	3	*	997·4	-2	WNW	3	42	c	75	8	4-5000	cu.nb	4	ci	3	*
†Howden ...	1003·9	-3	SW	4	51	o	55	5	4-5000	cu	6	al.st	3	*														
†Felixstowe ...	1008·1	-1	SSW	3	51	oq	75	6	3-4000	cu	8	-	-	4														
†Cranwell (Lincs)														*	1003·0	+1	W	3	47	b	98	6	4-5000	cu	2	ci	1	*
Benson ...	1008·0	-2	WSW	3	47	c	87	7	-	-	-	-	-	*	1006·3	-1	WSW	3	46	bc	65	7	-	-	-	ci	4	*
London (Kew Ob.)	1007·7	-4	WSW	2	54	bc	55	8	-	cu	6	-	-	*	1006·7	-2	SW	3	49	bc	75	8	-	cu	3	ci.st	3	
	1H. G.M.T. of ...14th APRIL														7H. G.M.T. of 14th APRIL													
†Houton B. (Orkney)	990·5	-1	SW	5	35	b	92	6	3-4000	fr.cu	1	al.st	1	3	987·3	-4	SE	4	37	b	92	7	2-3000	fr.cu	3	-	-	2
Eskdalemuir ...	994·2	-3	S	1	33	so	98	3	½-1000	st	10	-	-	*	984·4	-11	ESE	3	36	od0	87	5	1½-2000	st	10	-	-	*
†Stranraer ...															979·3	-12	SE	7	41	r,q	92	4	½-1000	nb	10	-	-	*
†Lough Foyle ...															973·9	-8	SE	7	40	ps	98	4	½-1000	nb	10	-	-	5
Valencia (Cahirc'n) ...	985·7	-4	SSW	5	44	omq	-	-	-	-	-	-	-	6	979·8	-6	WSW	5	45	cp	82	8	1½-2000	st	8	-	-	6
†Anglesey (Llangefni)	994·8	-8	S	6	43	Toq	87	5	1-1500	st	10	-	-	5														
Falmouth ...	995·8	-14	SSW	7	45	r1q	98	5	-	nb	10	-	-	*	987·6	-4	SW	6	48	or1q	98	5	·	nb	10	-	-	*
†Calshot (Hants) ...	1002·5	-7	W	6	45	d1	98	6	1½-2000	nb	10	-	-	6	989·2	-13	SSW	7	46	p1	98	3	0	nb	10	-	-	6
†Capel (Folkestone)															994·8	-6	SSW	8	48	r2q	98	4	1-1500	st	10	-	-	-
Aberdeen ...	993·3	0	S	3	35	bc	92	6	1½-2000	st.cu	3	ci	2	-	987·8	-6	SSE	2	40	o	92	7	-	st	9	-	-	-
†East Fortune ...	993·4	-4	SSW	2	39	o	82	-	5-7000	st.cu	4	ci.st	5	*	986·8	-7	ESE	4	40	o	82	8	5-7000	st.cu	4	ci.st	5	*
†Howden ...	998·8	-6	S	3	39	b	82	5	3-4000	st.cu	2	al.st	1	*	987·7	-9	ESE	6	42	r,q	92	4	2-3000	cu.nb	10	-	-	-
†Felixstowe ...	1004·0	-3	SW	4	44	o	92	-	2-3000	st	9	-	-	4	993·6	-2	S	7	44	r2m	98	-	-	-	-	-	-	5
†Cranwell (Lincs)	999·1	-6	SSW	3	40	c	92	6	2-3000	st	2	al.cu	4	*	987·5	-5	ESE	4	42	r1	98	6	1-1500	nb	8	-	-	*
Benson ...														*	986·6	-15	SSE	6	44	r2q	98	3	-	cu.nb	10	-	-	*
London (Kew Ob.)	1002·5	-5	SW	1	45	c	-	-	-	-	-	-	-	*	990·3	-12	S	5	45	r.om	87	4	-	fr.cu	5	al.st	5	*

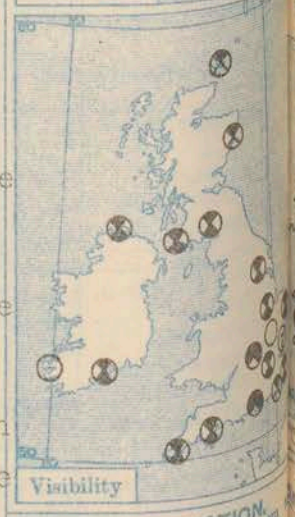
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind Direc.	Wind Force 0-12.	Weather	Barometer at M.S.L. m.b.	‡ Change in 3 hours.	Temperature Temp. °F.	Change in 24 hours.	Wind Direc.	Wind Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max °F.	Temp. Min. °F.	Weather Morning.	Weather Afternoon.	Weather Night.	Sunshine Hours.
	18H. G.M.T. of 13th APRIL					7H. G.M.T. of 14th APRIL									24 HOURS ENDED 7H. 14th APRIL						13th APRIL
Lerwick ...	990·4	40	SSW	4	bc	1000·2	0	40	-5	S	3	S	bcz	2	5	46	35	bc	bc	cmp	*
Stornoway ...	991·4	44	W	5	bc	983·2	-5	40	+1	S	2	-	b	1	2	46	35	ocpq	c,bcq	bc,b	3·6
Castlebay (Barra Is)	993·7	43	WSW	5	op	978·9	-9	41	+1	E	5	-	o	6	2	46	38	op,c	c,op	op,cp,o	4·0
Glasgow ...	997·6	41	SW	4	c	984·0	-10	36	-3	ENE	3	-	ogu	*	1	39	34	cgp	c,bc,cp	cc,cog	7·7
Malin Head ...	995·7	40	W	5	cqp	973·3	-12	41	+1	ESE	5	-	omqr	6	3	45	37	bcqp	cqp	omqr	4·4
Blacksod Point	995·3	44	SSW	4	cgp	973·6	-4	42	+4	SW	6	-	cqp	5	2	41	36	cg	cgp	or,cgp	*
Roche's Point...	1002·4	45	SW	4	o	981·7	-4	46	+3	SW	3	-	c	*	3	40	42	bcp,o	op,rpo	od,o,c,o	*
Birr Castle ...	998·7	41	S	1	c	977·7	*	44	+4	SW	1	SW	c	*	2	49	39	cp,hr	cp,r,ll	cp	5·4
Donaghadee ...	999·6	42	W	4	omq	979·8	-14	41	+4	SSE	5	-	omrq	4	7	49	36	[illegible]	bcqp	ogmrq	
Liverpool (Bidston)	1002·0	45	WSW	4	o	981·5	-12	42	+2	SE	5	S	og	4	1	49	40	bc,b	b,op,c	og	7·9
Holyhead ...	1001·1	44	SW	5	oqg	979·4	-12	45	+2	SSW	5	-	oem	5	3	50	42	c,bcg	b,bc,cp	opq,or	5·9
Pembroke (St. Ann's Head)	1005·2	45	SW	5	oq	983·6	-4	46	+2	WSW	5	W	cq	6	3	47	42	cpq	oq	oq,oqr	5·7
Scilly (St. Mary's)	1008·6	48	WSW	4	c	987·6	-3	49	+2	WSW	6	-	omr	6	8	52	46	c,bc	bc,cp	op,omr	7·4
Jersey (St. Aubin)	1011·9	49	W	4	c	993·6	-5	48	+3	SSW	6	-	or	4	6	52	45	c,b	bc	c,op,or	10·7
Portland Bill ...	1008·1	47	SW	6	o	988·2	-6	48	+2	SSW	7	-	or	6	5	49	44	gbc	op,c,c,o	or	*
Dungeness ...	1007·8	47	WSW	6	bc	994·7	-12	45	+4	S	6	-	rq	6	1	51	41	c,bc	bc	cp,c,or	*
Wick	996·6	41	WSW	3	c	987·1	-3	41	+2	SE	3	-	b	3	•3	48	34	c	c	bcp	*
Nairn	993·4	41	W	2	c	985·6	*	38	0	-	0	-	bc	0	1	46	29	cqpu	rsq,bc	uc,bcx	*
Leith	997·0	44	WSW	3	c	985·2	-2	39	-1	E	2	-	o	3	1	49	37	cqp,c	op,bc,c	c,o,cco	
Tynemouth ...	999·3	44	NW	2	cm	987·6	-8	41	+1	SSE	4	-	omq	3	-	52	39	cm	cm	omq	*
Spurn Head ...	1002·7	45	SW	3	c	985·7	-9	43	+3	SSE	5	-	oq	4	-	51	38	bc	bc,c	c,cq	7·6
Yarmouth (Gorleston)	1004·9	47	WNW	5	bcqp	994·9	-8	44	+3	S	6	-	omrq	6	2	55	40	bcm,bc	bcqp	c,ompq	8·1
Clacton-on-Sea	1006·4	47	SW	4	bc	994·5	-10	45	+2	S	6	-	or	4	0·4	52	42	c,bc	bcp	c	8·3
Nottingham ...	1007·4	48	W	4	bc	987·0	*	43	+4	SSE	4	S	or	*	3	53	39	c,or,hr	op,cc	c	7·1

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARY OF CONDITIONS AT 7 A.M. Monday, 14th April, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	S. 25-40	Rather mild	Dull, rainy, squally,	Ordinary	Rough
2. E. England	S. 21-35	Moderate	" " local mist.	"	Rather rough
3. E. Midlands	SSE-SSW. 15-28	"	Dull, rainy, squally.	Variable	-
4. W. Midlands	SE-SW. 15-28	"	Cloudy, local rain.	"	-
5. S.W. England	SW. 21-35	Rather mild	Dull, rainy, squally.	Ordinary	Variable
6. South Wales	SW. 21	"	Cloudy, squally.	-	Rough
7. North Wales	SSW. 21	Moderate	Dull, misty.	Poor	Rather rough
8. N.W. England	SE. 21	"	Dull, local rain.	Ordinary	Mod.
9. N. Midlands	S-SE. 15-25	"	Dull, squally, local rain	"	-
10. N.E. England	SSE. 15-21	"	" " " "	"	Slight
11. E. Scotland	S-E. 5-15	"	Dull, local rain.	Good	"
12. S.W. Scotland	SE-E. 10-30	"	Dull, squally, local rain	Ord.	Moderate
13. Isle of Man	SE. 21	"	Dull, local rain & mist.	"	"
14. N.& N.W. Scotland	SE-E. 10-15	"	Fair to fine.	Good	Slight
15. Hebrides	SE-E. 10-21	"	Variable sky.	-	Variable
16. Orkneys and Shetlands	SSE-ESE. 10-15	"	Fair to fine.	Good.	Smooth
17. N.W. Ireland	SW. 28	"	Cloudy, squally, showery.	Ordinary	Rather rough
18. N.E. Ireland	SE-E. 21-28	"	Squally, rainy, misty.	"	"
19. S.E. Ireland	S-SW. 10-21	"	Cloudy or dull.	"	Moderate
20. S.W. Ireland	SW. 10-21	"	Cloudy, local showers.	Good	Rather rough.



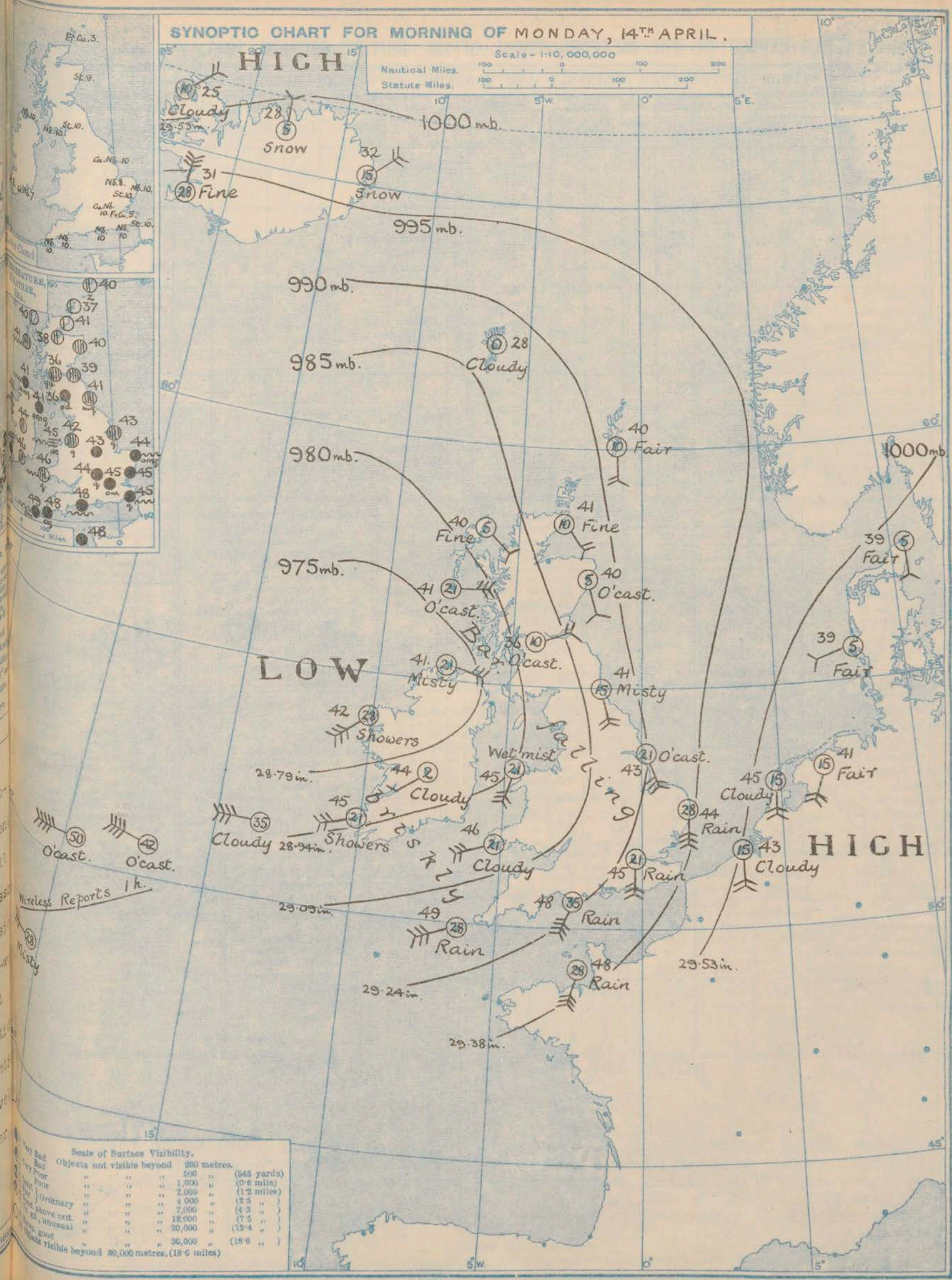
EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS.—
clear sky. sky ½ clouded. overcast sky. snow. hail. T thunder. sky ¼ clouded. sky ¾ clouded. rain. fog. thunderstorm.
SEA DISTURBANCE.—Rough. High seas.

GENERAL INFERENCE from observations received up to 10 a.m.

A deep depression off the north-west of Ireland is moving eastward and will cause very unsettled conditions over the British Isles generally. Southerly gales are probable in the Central and Southern North Sea and the English Channel.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Monday, 14th April, 1919	Further Outlook.
1. S.E. England 2. E. England 3 E. Midlands 4. W. Midlands	Wind S. to SW, strong to a gale, raining at first probably some improvement later, squally. Temperature moderate.	Some temporary improvement in weather will follow the passage of the depression off the north-west of Ireland but general conditions over the Atlantic favour the development of further disturbances.
5. S.W. England 6. South Wales 7. North Wales	Fresh to strong Wly. winds, Changeable, fair intervals, some showers. Moderate temperature.	
8. N.W. England 9. N. Midlands 10. N.E. England	Strong winds between SE. and SW. Raining at first, probably improving somewhat later. Squally. Moderate temperature.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Fresh to strong SE. winds, probably backing later. Dull, some rain, mist locally. Rather cold.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Same as for 5-7	

Meteorological Office, Exhibition Road, London, S.W. 7. H. G. LYONS, Col., Director. R. G. K. LEMPFERT, C.B.E., Superintendent Forecast Division.


SYNOPTIC CHART FOR MORNING OF MONDAY, 14TH APRIL.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
HIGH
LOW
HIGH
1000 mb.
995 mb.
990 mb.
985 mb.
980 mb.
975 mb.
1000 mb.
25 Cloudy
28 Snow
31 Fine
32 Snow
28 Cloudy
40 Fair
40 Fine
41 Fine
40 O'cast.
41 O'cast.
41 Misty
41 Misty
42 Showers
44 Cloudy
45 Showers
46 Cloudy
49 Rain
48 Rain
48 Rain
45 Rain
43 Cloudy
44 Rain
45 Cloudy
41 Fair
39 Fair
39 Fair
Wet mist
Rain
O'cast.
O'cast.
O'cast.
Misty
Wireless Reports 1 h.
28·79 in.
28·94 in.
29·09 in.
29·24 in.
29·38 in.
29·53 in.
Scale of Surface Visibility.
Very Bad Objects not visible beyond 250 metres.
Very Poor " " " 500 " (545 yards)
Poor " " " 1,000 " (0·6 mile)
Ordinary " " " 2,000 " (1·2 miles)
Good, above ord. " " " 4,000 " (2·5 ")
Fine, unusual " " " 7,000 " (4·3 ")
Very good " " " 12,000 " (7·5 ")
Exceptional " " " 20,000 " (12·4 ")
Objects visible beyond 30,000 metres, (18·6 miles)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 1048 { Monday 14th April

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

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 12th	Rainfall. Day. 9h-17h. 13th	Sunshine. to 17h. 13th	Sunshine. Duration to Sunset. 12th
Scotland.	Banff	bc	bc	49	23	–	–	3·9	9·7
Scotland.	St. Andrews ...								
England, N.E.	Harrogate	cbc	bc	50	34	–	–	8·5	8·2
England, N.E.	Skegness								
England, E.	Felixstowe	bc	bcpbc	54	33	–	–	8·5	1·9
England, E.	Walton-on-Naze...								
England, E.	Southend-on-Sea...								
England, S.E.	Littlehampton	–	–	51	40	–	–	0·2	4·7
England, S.E.	Margate								
England, S.E.	Ramsgate	bc	bc	53	40	6	–	8·2	×
England, S.E.	Hastings	bcb	b	52	40	–	–	9·1	1·9
England, S.E.	Eastbourne... ...	b	b	51	41	–	–	0·0	1·8
England, S.E.	Worthing	bbc	bcb	52	40	–	–	0·5	×
England, S.E.	Bournemouth ...	–	–	52	40	–	1	0·0	5·5
England, N.W.	Southport	abc	bcbbc	50	41	0·6		8·7	6·9
Midlands.	Buxton								
Midlands.	Leamington Spa...								
Midlands.	Malvern								
Midlands.	Ross-on-Wye ...	cp	cp	52	38	–	1·3	7·1	5·0
Wales.	Rhyl	bc	bccbc	52	37	–	–	9·2	×
Wales.	Colwyn Bay ...	b	b	51	42	–	–	6·3	×
Wales.	Llandudno	c	bc	48	42	–	–	7·5	×
Wales.	Aberystwyth ...								
England, S.W.	Weymouth								
England, S.W.	Torquay								
England, S.W.	Penzance								
England, S.W.	Newquay	bp	bp	51	43	–	0·7	6·3	×
England, S.W.	Weston-s-Mare ...								

Summaries for past 24 Hours.

STATIONS.	Weather 7h-13h. 13th	Weather 13h-18h. 13th	Weather 18h. 13th-1h. 14th	Weather 1h-7h. 14th	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)...	prbq	copr	bbcr	bbcx	42	32	×	×	×	×
Eskdalemuir	cpbw	ohpqrpq	osm	rgomd	45	32	32	4	8	5·2
†Stranraer	prbq	qpr	×	rq	50	37	×	×	×	×
†Lough Foyle	cop	prbq	×	rq	46	32	×	×	×	×
Valencia (Cahirciveen)	cpo	cqprb	omq	orqprq	49	40	42	3	7	2·8
†Anglesey (Llangefni)	o	bo	oq	×	43	38	×	×	×	×
Falmouth	rqcpq	cqpoz	oq	orq	51	41	43	2	5	7·5
†Calshot (Hants)	bccq	×	pc	omr	52	42	×	×	×	×
†Capel (Folkestone	cobz	cp	×	cop	49	40	×	×	×	×
Aberdeen	rf.q	cocqy		bcco	50	36	32	–	–	5·3
†East Fortune	bbcc	bccq	bccv	cov	51	36	×	×	×	×
†Howden	cq	×	ca	pq	52	32	×	×	×	×
†Felixstowe	coq	bcp	pq	qr	52	43	×	×	×	×
†Cranwell (Lines) ...	×	cobbc	co	ro	51	36	×	×	×	×
Benson	bcp	bc	×	cq	53	41	36	4		×
London (Kew Obsy.) ...	bcmbc	bcpbc	cbc	bcomgm	54	42	38	2	2	3·2

BEAUFORT NOTATION.

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.
e wet air without rain falling.
f fog. g gloom.
h hail. l lightning.
m mist.
o overcast sky.
p passing showers.
q squalls.
r rain.
rs sleet, *i.e.*, rain and snow together.
s snow.
t thunder.
u ugly, threatening sky.
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.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Limits of Velocity. 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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

LONDON. OBSERVATIONS.

	Weather Morning	Weather Afternoon.	Weather Night	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm	Sunshine to Sunset. Hours.	Humidity % 15 h. G.M.T.	Humidity % 9 h. G.M.T.
	24 Hours ended 9h G.M.T. 14th April							Yesterday.		To-day.
Greenwich (Royal Observatory)	oc	o.c	ocp	57	42	35	5	8·8	79	93
City (Bunhill Row)	×	×	×	×	×	×	×	6·8	×	×
Westminster (St. James's Park)	×	×	×	57	43	39	5	8·2	88	93
" (Admiralty Arch)	bcm	bcmpcp	bcoomq	56	43	×	4	7·4	78	95
Camden Sq. (British Rainfall)	×	×	×	58	43	33	8	7·1	–	91
Kensington Palace	cp	o	×	55	42	37	6	×	–	93
Richmond Park	×	×	×	×	×	×	×		×	×

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total ....1524.... Joules.

Average Rate. 310 Milliwatts.

Maximum Rate. 82 " "

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

.....14th & 15th April..... 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth...	4 59	11 53	6 47
	4 57	11 53	6 49
Greenwich	5 9	12 0	6 53
	5 7	12 0	6 55
Wick ...	5 6	12 13	7 12
	5 3	12 13	7 24
Valencia ...	5 49	12 41	7 35
	5 47	12 41	7 35

NOTES ON THE WEATHER OF YESTERDAY.

The day was again generally showery but rainy conditions supervened at night in the west of Ireland and extended rapidly eastward. Precipitation reached 8mm. at Scilly and 7 mm. at Donaghadee. Good sunshine records were obtained in nearly all localities, as much as 10.7 hours being recorded at Jersey. Air temperature differed little from the normal.

† Air Ministry Station

* Information for these columns not usually received.

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METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No 20,9638 .....TUESDAY...15th.APRIL.....1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form.	Upper Cloud. Amt. 0-10.	Sea 0-9.
13H G.M.T. of 15th April														
†Houton B. (Orkney)	983·4	-4	ESE	6	40	0	92	7	2-3000	Sr	10	-	-	4
Eskdalemuir ...	975·6	-8	NNE	1	38	o r m	92	5	1-1500	Nb	10	-	-	*
†Stranraer ...	972·8	-4	SSW	5	51	bc	65	8	2-3000	Cu	3	Cu.Sr	2	*
†Lough Foyle ...	972·3	-2	ENE	5	43	0	97	6	1-1500	Cu.Nb	4	-	-	3
Valencia (Cahire'n) ...	972·8	6	W	8	45	c	87	6	½-1000	Sr	8	-	-	6
†Anglesey (Llangefni)	975·2	-8	SSW	6	48	d	75	5	2-3000	Cu-Nb	10	-	-	6
Falmouth ...	985·3	0	WSW	8	51	r.q	65	4	-	Nb	10	-	-	*
†Calshot (Hants) ...	984·3	-2	W	6	51	0	92	8	½-2000	Sr	10	-	-	6
†Capel (Folkestone)	985·9	-7	SSW	9	44	o m	97	3	1-1500	Sr	10	-	-	6
Aberdeen ...	981·3	-6	ESE	5	44	o p	92	7	-	Nb	10	-	-	3
†East Fortune ...	976·6	-8	SE	5	43	d	82	5	2-3000	Nb	6	-	-	*
†Howden ...	977·7	-6	S	4	48	o	98	3	2-3000	St	10	-	-	*
†Felixstowe ...	984·2	-7	SSW	6	47	r.q	97	5	-	Nb	10	-	-	6
†Cranwell (Lincs)														*
Benson ...	980·8	-5	SW	4	51	o	92	6	2-3000	-	-	-	-	*
London (Kew Ob.)	982·6	-5	SW	3	53	o	87	8	-	Sr.Cu	7	A-Cu	2	*
1H G.M.T. of 15th April														
†Houton B. (Orkney)	979·9	-2	NE	6	39	r.q	97	4	1½-2000	Nb	10	-	-	4
Eskdalemuir ...	97·28	0	NNE	1		o ω	87	6	-	Sr.Cu	8	Nb	1	*
†Stranraer ...														
†Lough Foyle ...														
Valencia (Cahire'n) ...	983·7	+12	NNW	6	45	o m q	-	-	-	-	-	-	-	6
†Anglesey (Llangefni)	970·3	+3	WNW	3	43	0	92	3	1-1500	Sr	10	-	-	4
Falmouth ...	981·5	-2	W	9	45	r.o q	75	4	-	Nb	10	-	-	*
†Calshot (Hants) ...	979·2	-3	W	6	46	0	92	6	½-1000	Nb	10	-	-	6
†Capel (Folkestone)														
Aberdeen ...	974·8	0	E	1	40	d	97	2	1½-2000	Nb	10	-	-	*
†East Fortune ...	972·6	+1	NE	3	41	r	97	-	1½-2000	Nb	9	-	-	*
†Howden ...														*
†Felixstowe ...	978·0	-6	SSW	6	44	r.o q	97	-	-	-	-	-	-	6
†Cranwell (Lincs)	972·4	-5	S	3	39	bc	97	6	2-3000	Sr	3	Cu	2	*
Benson ...														*
London (Kew Ob.)	977·0	-3	WSW	4	46	c	-	-	-	-	-	-	-	*

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form.	Upper Cloud. Amt. 0-10.	Sea 0-9.
18H G.M.T. of 15th April														
†Houton B. (Orkney)	981·9	-1	E	6	40	0	92	5	2-3000	Sr	10	-	-	4
Eskdalemuir ...	972·5	-4	SSW	5	40	o r m	87	4	1½-2000	Nb	6	A-Sr	4	*
†Stranraer ...	970·3	-2	SE	2	44	c	82	8	1½-2000	Sr.Cu	6	A-Cu	1	*
†Lough Foyle ...														
Valencia (Cahire'n) ...	977·0	-5	W	9	44	o q r	82	5	1-1500	Sr	10	-	-	7
†Anglesey (Llangefni)														
Falmouth ...	983·1	-3	WSW	9	47	o p q	-	-	-	-	-	-	-	*
†Calshot (Hants) ...	983·2	-1	W	6	45	q	92	8	3-4000	Sr	6	Nb	2	6
†Capel (Folkestone)	983·4	-2	WSW	6	45	bc	87	5	3-4000	Cu	4	-	-	7
Aberdeen ...	976·2	-5	E	5	41	r	92	6	-	Nb	10	-	-	3
†East Fortune ...														*
†Howden ...	975·1	-1	SE	2	46	bc	82	5	3-4000	Sr.Cu	4	-	-	*
†Felixstowe ...	980·9	-2	W	6	46	r.q	92	5	-	Nb	9	-	-	6
†Cranwell (Lincs)	975·6	-4	SW	5	48	bc	75	6	4-5000	Cu	3	Ci	2	*
Benson ...	980·4	0	WSW	3	45	c	75	8	-	Cu	5	-	0	*
London (Kew Ob.)	981·0	0	SW	2	49	bc	75	7	-	Cu.Nb	4	A-Cu	1	*
7H G.M.T. of 15th April														
†Houton B. (Orkney)	980·8	+2	NNE	6	39	r 2	97	4	1-1500	Nb	10	-	-	4
Eskdalemuir ...	975·6	+4	N	2	36	o r	87	5	1½-2000	Sr	10	-	-	*
†Stranraer ...	977·5	+7	NNW	4	42	q	87	8	2-3000	Sr	10	-	-	*
†Lough Foyle ...	994·6	+12	N	7	43	0	97	5	½-1000	Sr	10	-	-	5
Valencia (Cahire'n) ...	993·5	+11	NW	7	46	o r	75	7	1½-2000	Sr	10	-	-	7
†Anglesey (Llangefni)	977·6	+9	NW	4	43	r.q	92	5	1-1500	Sr	10	-	-	5
Falmouth ...	984·7	+4	WNW	6	45	o q	87	5	-	Nb	10	-	-	*
†Calshot (Hants) ...	979·7	+1	W	5	45	o	92	6	½-1000	Sr	9	-	-	6
†Capel (Folkestone)	979·1	-5	SW	9	42	r.q	97	5	1½-2000	Sr	10	-	-	7
Aberdeen ...	976·0	+2	N	3	42	r	92	4	-	Nb	10	-	-	*
†East Fortune ...	975·0	+5	N	4	39	r	92	4	2-3000	Nb	9	-	-	*
†Howden ...														*
†Felixstowe ...	976·7	0	SW	3	43	r 2 f	97	3	-	Nb	10	-	-	5
†Cranwell (Lincs)	973·3	+2	WSW	1	41	c	97	3	-	Nb	10	-	-	*
Benson ...	976·1	+2	WSW	3	43	o	92	5	-	Cu	10	-	-	*
London (Kew Ob.)	976·8	+2	SW	3	43	o	87	6	-	Sr.Cu	9	-	-	*

STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather	Barometer at M.S.L. m.b.	Barometer ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	18H G.M.T. of 14th					7H G.M.T. of 15th									24 HOURS ENDED 7H. 15th						14th
Lerwick ...	987·4	41	SE	4	c m	983·7	-1	42	+2	SE	6	-	o m q r	6	4	46	36	b c m	c m p	o m q r	*
Stornoway ...	978·0	45	E	4	c	984·3	+3	43	+3	NNE	6	-	b c p q		1	48	40	b.bc	c	b c p q	8·1
Castlebay (Barra Is)	977·4	43	NE	5	0	985·1	+4	43	+2	N	4	-	c	5	2	44	41	p	r.c	o.c	0·0
Glasgow ...	972·2	42	ENE	3	c u	977·1	+3	42	+6	NW	2	-	o	*	3	43	36	o d g m	o d.o.c	c.o d p u	0·5
Malin Head ...	970·0	43	ENE	3	c p	980·8	+7	44	+3	NNE	6	N	c q	6	4	46	40	c m p	c p	c q p	*
Blacksod Point	972·5	43	N	3	b c p	989·9	+10	45	+3	N	6	-	b c p	6	3	49	39	b c p	b c p	o m.b c p	*
Roche's Point ...	977·4	45	W	7	o	987·6	+11	46	0	NNW	7	N	c	6	7	49	40	o.c p	o.c p.o	o p.o.c	*
Birr Castle ...	968·5	44	W	2	c	986·1	*	44	0	NW	4	-	o	*	7	48	39	c q p	c q p	c q p o	2·9
Donaghadee ...	969·9	42	SE	2	o q p	978·4	+5	42	+1	NW	5	-	o m q p	4	4	52	40	o f. c m p	c g m p	b y m o q	*
Liverpool (Bidston)	972·3	47	SSW	5	b c	975·4	+6	42	0	NW	4	NW	o	3	2	54	40	b	c	o p	3·5
Holyhead ...	969·4	45	SSW	4	o p g	977·9	+5	44	-1	NW	5	NW	o p q m	4	3	51	41	o e f. b c	c.b c.o g	b c.c p h	5·1
Pembroke (St. Ann's Head)	973·2	44	WSW	8	c q p	981·6	+8	44	-2	NW	5	NW	c q	7	3	48	42	c q p	c q p	c q p	5·2
Scilly (St. Mary's)	983·5	47	W	10	c q p	986·9	+3	47	-2	NW	8	NW	o p q	8	5	51	39	o r.c q p	c q p h.	c q p.o	5·4
Jersey (St. Aubin)	1089·2	50	W	6	c	986·5	-1	44	-4	W	8	-	o p h	5	7	52	43	o r.c.o r	o r.c	o q p h.	2·9
Portland Bill ...	983·3	45	SW	8	c q	980·3	+7	46	-2	W	7	W	c q r	6	4	49	36	o r.c	c q.r	c q r	*
Dungeness ...	993·0	48	WSW	6	b q	977·3	-2	44	-1	SW	9	-	r	9	14	50	42	q.r c	q.r c.b	b c q r	*
Wick	980·6	42	E	5	o m p	979·5	+3	42	+1	NNE	4	-	o m d	4	1	43	39	b c m	o m.o m p	o m p d	*
Nairn	976·4	42	E	4	o	979·2	*	41	+3	ENE	3	-	o d	3	4	48	37	b c	c q	p q d.o	4·7
Leith	972·3	43	E	1	c	975·6	+1	40	+1	W	1	-	r	2	1	45	39	o m d o	o d.o.c	c.o r	*
Tynemouth ...	972·6	45	SE	1	o m	974·0	+2	41	0	N	1	-	o m q	3	9	48	39	o m r	o m p	o t l p.o m p	*
Spurn Head ...	976·2	46	WSW	3	c p	972·9	0	42	-1	S	3	-	o	3	5	52	36	c q	c q p	b c q.o	1·3
Yarmouth (Gorleston)	978·0	46	S	5	b c p	977·2	0	42	-2	SSW	4	-	c	4	8	49	40	o m q r	o m q r	b c q s	0·0
Clacton-on-Sea	981·0	50	SW	5	b c	976·1	-1	44	-1	SW	5	SW	o g r	4	6	50	42	o g r.o q	o q.c b c	b c p o r	1·4
Nottingham ...	976·1	48	SW	4	b	973·4	*	41	-2	W	2	W	o p m	*	5	55	40	r.o.c	r.o p	c p h	3·4

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARY OF CONDITIONS AT 7 A.M. Tuesday, 15th April, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	SW. 21-42	Moderate	Dull, squally, showery	Ordinary	Rough
2. E. England	SSW-WSW. 10-21	"	" " "	Variable	Mod.
3. E. Midlands	W. 5-15	"	Dull, showery, misty.	Ordinary	–
4. W. Midlands	W-NW. 5-15	"	Dull, showery.	"	–
5. S.W. England	W-NW. 21-42	"	Dull, showery, squally.	Fair	Rough
6. South Wales	NW. 21	"	" " "	Ordinary	High
7. North Wales	NW. 15-21	"	" " "	Fair	Mod.
8. N.W. England	NW. 10-15	"	" " "	"	Slight
9. N. Midlands	W-NW. 5-15	"	Dull, showery, local mist	"	–
10. N.E. England	SSW-N. 2-10	"	" " " "	–	Slight
11. E. Scotland	N-NE. 5-15	"	Dull, showery.	Variable	"
12. S.W. Scotland	NW-N. 5-15	"	Dull, squally, showery.	"	Mod.
13. Isle of Man	NW. 5-21	"	" " "	Ordinary	"
14. N.&N.W. Scotland	N-NE. 10-15	"	Dull, showery, misty.	–	"
15. Hebrides	N-NE. 15-28	"	Cloudy, local showers.	–	Rather rough
16. Orkneys and Shetlands	NE-SE. 28-35	"	Dull, local rain & mist.	Ordinary	
17. N.W. Ireland	N. 28	"	Fair, showery.	"	Rough
18. N.E. Ireland	NW-N. 21-28	"	Dull, showery, squally.	Fair	Mod.
19. S.E. Ireland	NW. 15-28	"	Fair to dull.	"	Rather rough.
20 S.W. Ireland	NW. 35	"	Cloudy or dull, showery.	Good	High.

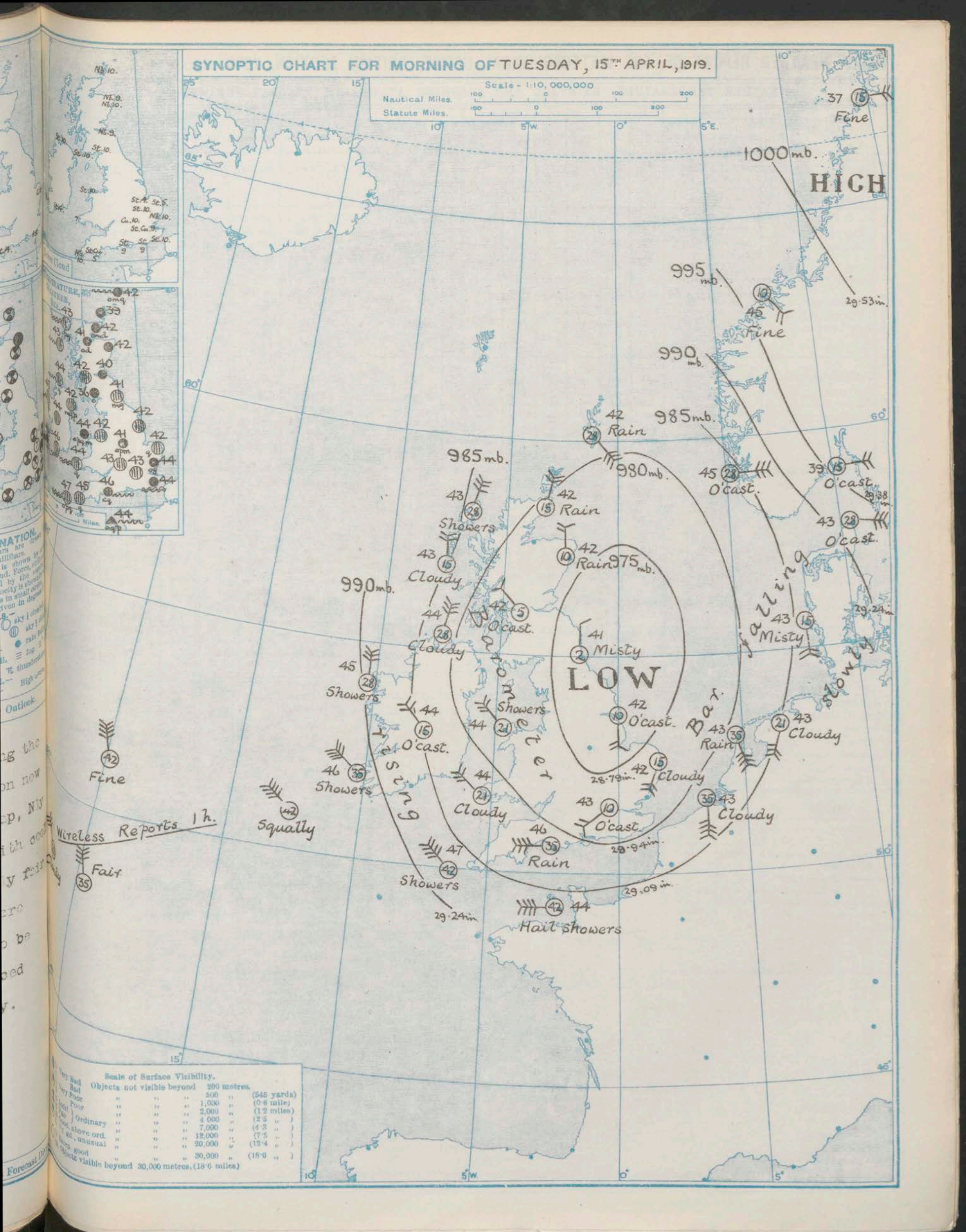
EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in small circles per hour by figures in degrees.
TEMPERATURE is given in degrees.
WEATHER SYMBOLS.— clear sky. sky ¼ clouded. sky ½ clouded. overcast sky. rain. snow. hail. fog. thunder. thunderstorm.
SEA DISTURBANCE.— Rough. High seas.

GENERAL INFERENCE from observations received up to 10 a.m.

A depression now centred over Yorkshire will move eastward over the North Sea and winds will be mainly between NW. and NE. over the British Isles. While showers are probable in all districts prolonged fair or fine intervals may be anticipated especially in the western districts.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Tuesday, 15th April, 1919	Further Outlook.
1. S.E. England 2. E. England 3 E. Midlands	Wind W. veering to NW. or N, Changeable, showery, squally. Temperature moderate to rather cold.	Following the depression now on the map, Nly winds, with cool but mostly fair weather are likely to be experienced generally.
4. W. Midlands 5. S.W. England 6. South Wales	Fresh to strong NW. to N. winds. Showery at first, fair or or fine later. Squally. Temperature moderate to rather cold.	
7. North Wales 8. N.W. England 9. N. Midlands	Fresh Nly. winds. Changeable, some showers with fair intervals. Squally. Rather cold.	
10. N.E. England 11. E. Scotland 12. S.W. Scotland	Moderate Nly. winds. Some rain early, improving later. Rather cold.	
13. Isle of Man	Same as for 7-9	
14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Fresh to strong winds between N. and NE. Changeable, rain locally, squally. Rather cold.	
17. N.W. Ireland 18. N E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Same as for 4-6.	

Meteorological Office, Exhibition Road, London, S.W. 7. H. G. LYONS, Col., Director. R. G. K. LEMPFERT, C.B.E., Superintendent Forecast Div.


SYNOPTIC CHART FOR MORNING OF TUESDAY, 15TH APRIL, 1919.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
1000 mb.
HIGH
995 mb.
990 mb.
985 mb.
980 mb.
975 mb.
LOW
Storm Center
Barometer falling
Slowly
Wireless Reports 1 h.
Fine
Squally
Fair
Showers
Cloudy
O'cast.
Rain
Misty
Hail showers
29.24 in.
29.09 in.
28.94 in.
28.79 in.
29.53 in.
29.38 in.
Scale of Surface Visibility.
Very Bad Objects not visible beyond 200 metres.
Bad " " " 500 " (546 yards)
Very Poor " " " 1,000 " (0·6 mile)
Poor " " " 2,000 " (1·2 miles)
Bad } Ordinary " " " 4,000 " (2·5 ")
Good, above ord. " " " 7,000 " (4·3 ")
V. gd., unusual " " " 12,000 " (7·5 ")
Excep. good " " " 20,000 " (12·4 ")
Objects visible beyond 30,000 metres. (18·6 miles)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 105B

TUESDAY 15th APRIL

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

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 13th	Rainfall. Day. 9h-17h. 14th	Sunshine. to 17h. 14th	Sunshine. Sunrise to Sunset. 13th
Scotland.	Banff	bc	c.or	46	33	-	1	4.1	5.1
	St. Andrews	-	-	-	-	-	-	-	-
	Montrose	-	-	-	-	-	-	-	?
England, N.E.	Harrogate	or	o.tl.pc	51	36	5	7	1.3	10.1
	Skegness	or	bc.or	55	39	1	5	1.8	?
England, E.	Felixstowe	orq	orq.bc	49	43	4	6	0.8	8.8
	Walton-on-Naze	-	-	-	-	-	-	-	?
	Southend-on-Sea	orc	bc.c	52	44	3	1	1.7	?
England, S.E.	Littlehampton	-	-	52	44	0	1	4.0	0.2
	Margate	or	p	52	42	2	3	0.6	?
	Ramsgate	-	r	48	41	4	4	0.8	8.2
	Hastings	or	orbc	49	44	5	4	0.0	9.2
	Eastbourne	oqr	oqbc	50	44	5	5	0.0	0.0
	Worthing	r	bc	51	45	0	3	1.6	0.5
	Bournemouth	-	-	53	43	0	1	4.0	0.0

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 13th	Rainfall. Day. 9h-17h. 14th	Sunshine. to 17h. 14th	Sunshine. Sunrise to Sunset. 13th
England, N.W.	Southport	or	rc.bc.c	53	?	6	2	3.0	8.7
Midlands.	Buxton	bcr	a.c.r	51	37	6	4	1.0	?
	Leamington Spa	oc.bp	opr.bc	55	41	3	trace	3.1	?
	Malvern	bcq	bcq	54	41	2	trace	3.0	?
	Ross-on-Wye	crbcp	bcbqc	56	42	3	1	5.2	7.1
Wales.	Rhyl	o.c.bc	c.bc	53	40	1	-	5.5	9.2
	Colwyn Bay	-	-	53	41	3	1	4.3	0.3
	Llandudno	cp	c.b.	53	41	4	trace	4.4	7.5
	Aberystwyth	-	rc.c.	48	44	*	*	3.5	-
England, S.W.	Weymouth	rc.pc	c.p.bc	53	44	0	1	3.4	?
	Torquay	ocbcp	bcph	53	43	10	3	3.2	?
	Penzance	cpr.bc	prhtl.	53	46	11	3	7.0	?
	Newquay	cphlq	cpbhq	51	43	7	7	3.3	6.3
	Weston-s-Mare	r.bcp	bc.pbc	55	44	2	1	4.0	?

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-13h 14th	Weather 13h-18h 14th	Weather 18h 14th-1h 15th	Weather 1h-7h 15th	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)	c	c	2	2	42	38	*	*	*	*
Eskdalemuir	ormsom	bcpoq	oro	or	47	34	30	6	2	2.0
†Stranraer	oq	c.o	-	r.c.o	52	39	*	*	*	*
†Lough Foyle	poq	-	-	o	46	40	*	*	*	*
Valencia (Cahirciveen)	coqph	cqphr	omrq	orpq	48	43	41	5	4	3.3
†Anglesey (Llangefni)	c.oq	-	c.oq	oq	51	40	*	*	*	*
Falmouth	bcpqc	phocq	cqp	pq	51	41	39	3	3	4.9
†Calshot (Hants)	op2	bc.cq	-	om	52	42	*	*	*	*
†Capel (Folkestone)	om r2	r2	-	or2	48	42	*	*	*	*
Aberdeen	c.o.op	or	do	or	48	40	39	3	7	0.6
†East Fortune	op1	-	of1 r1	or1	45	38	*	*	*	*
†Howden	p.c	qr2	-	-			*	*	*	*
†Felixstowe	r1q	poq	r1q	r2q	50	43	*	*	*	*
†Cranwell (Lincs)	-	bc.c.o.bc	o.b.bc.	op1	55	38	*	*	*	*
Benson	ro	phrpbc	-	qr	52	39	35	?	?	*
London (Kew Obsy.)	omr.opo	opbcq.bc	-	bc.or.bc.o	54	42	38	5	3	0.8

BEAUFORT NOTATION.

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.
e wet air without rain falling.
f fog. g gloom.
h hail. l lightning.
m mist.
o overcast sky.
p passing showers.
q squalls.
r rain.
rs sleet, *i.e.*, rain and snow together.
s snow.
t thunder.
u ugly, threatening sky.
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.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Limits of Velocity. 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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0 = slight, 2 = heavy. Underlining is used to express continuity.

LONDON. OBSERVATIONS.

24 HOURS ENDED 9h G.M.T. 15th

	Weather. Morning	Weather. Afternoon.	Weather. Night	Max Temp. °F.	Min. Temp °F.	Min. on Grass °F.	Rainfall. mm.	Sunshine to Sunset. Hours. (Yesterday.)	Humidity % 15 h. G.M.T. (Yesterday.)	Humidity % 9 h. G.M.T. (To-day.)
Greenwich (Royal Observatory)	opq	opq	opq	56	42	36	6	2.5	75	80
City (Bunhill Row)	*	*	*	*	*	*	*	0.4	*	*
Westminster (St. James's Park)	*	*	*	55	42	37	6	1.0	75	83
,, (Admiralty Arch)	orqumcp	cpq.bcq	bcqp.cqp	54	42	*	6	0.6	80	86
Camden Sq. (British Rainfall)	or.c	c.or	*	54	40	37	8	0.7	72	85
Kensington Palace	op	r.bc	*	55	42	35	6	*	*	80
Richmond Park	*	*	*	*	*	*	*	-	*	*

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total 552 Joules.

Average Rate. 11.2 Milliwatts.

Maximum Rate. 68 ,,

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

15th & 16th APRIL 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4.57	11.53	6.48
	4.55	11.53	6.50
Greenwich	5.7	12.0	6.53
	5.5	12.0	6.55
Wick	5.3	12.12	7.22
	5.1	12.12	7.24
Valencia	5.47	12.41	7.35
	5.45	12.41	7.37

NOTES ON THE WEATHER OF YESTERDAY.

Rain fell in all districts, the highest measurement being 15mm. at Dungeness While little sunshine was registered in the east and south-east some of the western stations had good records, eight hours being enjoyed at Stornoway. Temperature was rather low for the season, the maximum being below 50°F. at most stations.

† Air Ministry Station

* Information for these columns not usually received.

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By WYMAN & SONS LTD., Fetter Lane, London, E.C., and Reading.

METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No. 20,964.B WEDNESDAY, 16TH APRIL, 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours	Wind Direc.	Wind Force 0-12	Temp. °F.	Weather	% Humidity	Visibility 0-10	Height of Low Cloud Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Cloud Form	Upper Cloud Amt. 0-10	Sea 0-9	Barom. at M.S.L. m.b.	‡ Change in 3 hours	Wind Direc.	Wind Force 0-12	Temp. °F.	Weather	% Humidity	Visibility 0-10	Height of Low Cloud Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Cloud Form	Upper Cloud Amt. 0-10	Sea 0-9
	13h G.M.T. of 15th														18h G.M.T. of 15th													
†Houton B. (Orkney)	983.5	+3	NE	3	42	orofuc	97	1	<500	Sc.	10	-	-	3	987.3	+5	NE	4	41	orf	97	3	½-1000	St	10	-	-	3
Eskdalemuir ...	980.0	+4	N	5	38	of	87	6	1½-2000	Nb	10	-	-		985.6	+6	NNW	5	39	or	82	6	1½-2000	Nb	1	A-st	9	*
†Stranraer ...	983.1	+5	NNW	7	47	orq	75	7	2-3000	St	10	-	-	*	989.5	+4	NNW	8	46	bcq	75	7	1-1500	St-cu	3	Ci-st	2	*
†Lough Foyle ...	990.4	+5	N	8	45	o	87	6	1½-2000	St-cu	8	-	-	5	996.0	+8	N	8	45	c	75	6	2-3000	Cu	5	Ci-st.	2	5
Valencia (Cahirc'n) ...	1003.7	+6	NW	7	48	c	73	7	2-3000	Cu	6	A-cu	1	6	1005.3	+4	WNW	6	45	cpl	82	5	2-3000	Cu.	7	-	-	6
†Anglesey (Llangefni)															990.4	+8	NW	7	45	orq	82	5	1-1500	Nb	10	-	-	6
Falmouth ...	993.2	+8	NW	8	51	cq	75	6	-	Fr-cu	3	Ci.	4	*	998.4	+5	NW	8	48	bcq	-	-	-	-	-	-	-	*
†Calshot (Hants) ...	984.6	+6	WNW	5	50	o	82	7	2-3000	St-cu	10	-	-	5	990.1	+8	WNW	6	49	oq	92	7	2-3000	Nb	9	-	-	6
†Capel (Folkestone)	983.5	+5	W	4	45	or	92	5	1½-2000	St-cu	9	-	-	5	986.6	+3	NW	3	45	o	87	6	2-3000	St-cu	9	-	-	5
Aberdeen ...	980.7	+5	ENE?	1	45	om	82	6	-	-	-	A-st	9	3	985.2	+5	NE	2	43	om	87	6	?	St.	3	A-st	7	3
†East Fortune ...	980.4	+7	NNE	3	44	o	92	5	1½-2000	Cu-nb	9	-	-	*	985.2	+5	N	4	42	od	87	6	1½-2000	Cu-nb	9	-	-	*
†Howden ...														*	983.0	+7	NW	4	44	orq	82	5	3-4000	St-cu	10	-	-	*
†Felixstowe ...	980.5	+4	?	3	48	c	97	3	2-3000	Cu-nb	8	A-st	2	5	984.4	+4	WSW	3	46	o	97	3	3-4000	Cu-nb	9	-	-	5
†Cranwell (Lincs)														*														*
Benson ...	981.9	+5	WNW	4	48	o	75	7	-	-	-	-	-	*	987.2	+7	W	4	45	bc	82	5	-	Cu	5	-	-	*
London (Kew Ob.)	982.4	+5	W	2	46	c	87	5	?	St-cu	6	A-st	2	*	986.6	+5	W	3	47	cu	75	7	-	Fr-cu	5	A-cu	2	
	1h G.M.T. of 16th														7h G.M.T. of 16th													
†Houton B. (Orkney)	995.0	+5	ENE	2	39	bc	97	6	2-3000	St-cu	6	-	-	2	1002.2	+7	NW	3	40	o	97	6	4-5000	St-Cu	3	Ci-St	5	2
Eskdalemuir ...	992.4	+6	NW	5	37	or	92	5	1-1500	Nb	5	A-st	5	*	999.9	+2	NNW	5	40	bc	75	6	-	Cu-Nb	2	Ci	1	*
†Stranraer ...															1004.0	+10	NNW	7	43	q	75	8	2-3000	St	1	A-St	1	*
†Lough Foyle ...															1011.2	+9	N	8	44	o	87	6	½-1000	Cu-Nb	4	-	-	5
Valencia (Cahirc'n) ...	1013.6	+5	NNW	6	44	bcqp	-	-	-	-	-	-	-	6	1018.8	+7	NW	4	47	c	82	8	1½-2000	St	7	-	0	3
†Anglesey (Llangefni)	998.8	+8	NNW	7	42	c	82	5	2-3000	Fr-Cu	7	-	-	6	1005.8	+9	NNW	7	43	o	75	5	2-3000	S-Cu	10	-	-	6
Falmouth ...	1005.8	+5	NW	7	45	bcq	87	6	-	Cu	4	-	-	*	1012.3	+7	NW	7	46	cq	75	6	-	Cu-Nb	8	-	-	*
†Calshot (Hants) ...	997.6	+4	W	5	47	o	87	7	2-3000	St	10	-	-	6	1000.4	+5	WNW	4	44	c	87	7	3-4000	St	6	-	-	5
†Capel (Folkestone)															1000.3	-6	NNW	5	42	o	87	5	2-3000	St	10	-	-	5
Aberdeen ...	990.8	+5	NE	4	40	r	97	3	1½-2000	Nb	10	-	-	*	1000.0	+9	N	3	45	op	87	7	-	Nb	8	A-Cu	1	3
†East Fortune ...	991.7	+5	NNE	3	40	o	92	?	1½-2000	Cu-nb	9	-	-	*	999.6	+7	N	3	42	r	87	7	1½-2000	Nb	10	-	-	*
†Howden ...														*	996.3	+6	NW	5	42	rq	87	6	2-3000	St-Cu	10	-	-	*
†Felixstowe ...	991.8	+5	WNW	3	44	cq	97	?	-	Cu	8	-	-	5	997.3	+6	WNW	3	44	o	97	3	1½-2000	Cu-Nb	10	-	-	5
†Cranwell (Lincs)	990.8	+5	NW	2	40	or	97	4	1-1500	Nb	9	-	-	*	996.8	+6	NW	3	44	om	87	5	2-3000	St	4	Ci-Cu	1	*
Benson ...														*	1000.8	+5	WNW	4	43	bc	77	5	-	Cu	5		0	*
London (Kew Ob.)	994.3	+3	W	3	45	o	-	-	-	-	-	-	-	*	1000.5	+5	WNW	4	44	o	65	5	-	St-Cu	9	A-St	?	*

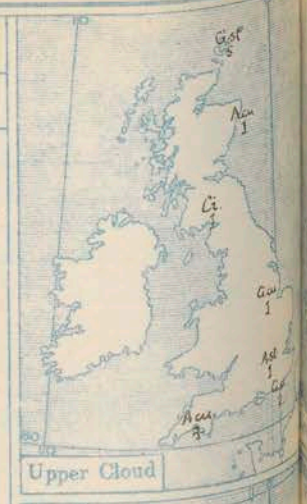
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind Direc.	Wind Force 0-12	Weather	Barometer at M.S.L. m.b.	‡ Change in 3 hours	Temp. °F.	Change in 24 hours	Wind Direc.	Wind Force 0-12	Direc. of Upper Cloud	Weather	Sea 0-9	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather Morning	Weather Afternoon	Weather Night	Sunshine Hours
	18h G.M.T. of 15th					7h G.M.T. of 16th									24 hours ended 7h 16th						15th
Lerwick ...	989.9	43	SE	5	o	1001.4	+4	43	+1	N	1	-	om	1	5	44	40	omrq	omr	om	*
Stornoway ...	991.4	43	NNW	6	cpq	1006.6	+8	43	0	N	6	-	bcq	5	4	47	41	bc.opq	c.rpq	op.bcq	3.4
Castlebay (Barra Is.)	995.7	46	NW	5	c	1009.8	+8	43	0	NW	5	NW	b	5	-	48	42	cq	cq.c	c b	8.4
Glasgow ...	988.0	43	NW	3	od	1001.4	+6	44	+2	NW	4	N	c	*	6	44	40	oqr	r	o c	0.0
Malin Head ...	994.2	45	NNW	7	bcq	1007.5	+7	44	0	N	8	N	bcqp	7	0.3	48	40	bcq	bcq	cqrp	7.8
Blacksod Point	1000.8	46	NNW	6	bcqp	1014.8	+6	44	-1	NNW	5	NW	bc	6	0.3	48	40	bcqp	bcqp	bcqp	*
Roche's Point ...	1000.3	47	NW	6	o	1014.7	+7	45	-1	NW	5	-	b	4	0.3	50	44	o.c.o	op.c.o	bc b	4.2
Birr Castle ...	997.2	47	NW	5	c	1014.0	*	42	-2	NW	5	E	c	*	1	51	39	cphr	cphr	c	4.2
Donaghadee ...	990.4	46	NNW	7	cmq	1009.4	+7	43	+1	NNW	7	NW	bcmq	6	1	49	42	cmpq	cmq	bcmq	*
Liverpool (Bidston)	986.5	43	WNW	6	o	1000.8	+8	42	0	WNW	7	NW	oq	6	4	45	41	p.or	orq	orq	0.1
Holyhead ...	990.4	46	NW	8	cq	1005.0	+4	44	0	NW	9	N	cq	8	2	47	42	cph.op	ph.cpq	c.bc.cq	0.1
Pembroke (St. Ann's Head)	995.8	48	NW	5	cq	1009.9	+6	44	0	NW	5	NW	cq	5	0.2	49	43	cqp	cq	bcq.cq	0.9
Scilly (St. Mary's)	1001.6	49	WNW	8	c	1014.7	+8	47	0	NW	7	NW	c	7	-	47	45	o.cq	cq	bc. c	4.2
Jersey (St. Aubin)	996.7	49	W	6	c	1008.5	+4	46	-2	W	4	W	bc	3	3	50	44	oqlp	qp.bc	c.bc.c	4.0
Portland Bill ...	991.9	48	W	6	bcq	1004.9	+5	46	0	NW	6	NW	bcq	6	1	50	43	rq.c	bc	bcq	*
Dungeness ...	986.5	44	W	3	bcq	999.0	+6	44	0	W	4	W	c	4	6	49	42	qpc	cp.c	q.bcpc	*
Wick	987.3	41	SE	2	omr	1002.0	+8	42	0	NNW	2	N	cm	2	6	43	39	omp	omr	or.bcm	*
Nairn	987.1	42	NNW	5	r	1003.0	*	42	+1	NNW	2	-	cq	3	11	44	39	d.rqo	rqo	q.pr.om	0.0
Leith	986.0	41	NW	3	r	1000.0	+5	43	+1	NNW	4	NE	c	3	20	44	38	r	r	rque	*
Tynemouth ...	981.1	44	NNW	2	bcm	995.9	+8	42	+1	NNE	3	-	o	4	2	48	40	cm	c	omp.om	*
Spurn Head ...	982.2	43	NW	2	or	993.8	+5	42	0	WNW	6	-	oqr	4	8	46	40	cp	bcm	c.oq.r	0.4
Yarmouth (Gorleston)	983.1	45	WNW	3	cmp	994.6	+5	41	-1	NW	5	-	cq	4	3	50	37	bcq	bcqph	omp.cq	3.7
Clacton-on-Sea	984.4	43	WSW	4	c	997.2	+7	44	0	WNW	5	NW	oq	4	5	50	43	rqrqr	cqrlt	c.oq.p	2.2
Nottingham ...	983.9	44	NW	3	op	997.9	0	44	+3	NW	4	NW	opm	*	1	48	40	op.c	cm	o.pc	0.4

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARY OF CONDITIONS AT 7 A.M. Wednesday, 16th April, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	WNW. 15-25	Moderate	Fair or dull, squally.	Good	Rather rough.
2. E. England	W-NW. 10-21	"	Dull, local rain & squalls	Ord.	Moderate
3. E. Midlands	WNW-NNW. 10-25	"	Fair to dull.	Variable	—
4. W. Midlands	NW. 15-21	"	Fair to dull, squally.	Ord.	—
5. S.W. England	NW. 28-35	"	Fair or cloudy, squally.	Good.	Rough
6. South Wales	NW. 21	"	Cloudy, squally.	—	Rather rough
7. North Wales	NW. 35-50	"	" "	Fair	High
8. N.W. England	NW. 35	"	Dull, local squalls.	"	Rough
9. N. Midlands	NW. 15-27	"	Dull, local squalls & rain	"	—
10. N.E. England	NW-N. 15-28	"	Dull, local rain & mist.	Good	Moderate
11. E. Scotland	NW-N. 5-15	Rather mild.	Cloudy, local showers	"	Slight
12. S.W. Scotland	NNW. 15-21	Moderate	Fair to cloudy.	"	Moderate
13. Isle of Man	NW-N. 5-15	"	Fair to dull.	Fair	Rough
14. N.&N.W.Scotland	NW-N. 5-15	"	Cloudy, local mist.	—	Moderate
15. Hebrides	NW-N. 21-28	"	Fair or fine	—	Rather rough
16. Orkneys and Shetlands	NW-N. 5-15	"	Dull, local mist.	Good	Smooth
17. N.W. Ireland	NNW. 21	"	Fair, showery, squally.	"	Rather rough
18. N.E. Ireland	NNW-N. 35-42	"	" " "	"	High
19. S.E. Ireland	NW. 10-21	"	Variable sky.	"	Rather rough
20 S.W. Ireland	NW. 15-28	"	Cloudy to fine.	V. good	Slight



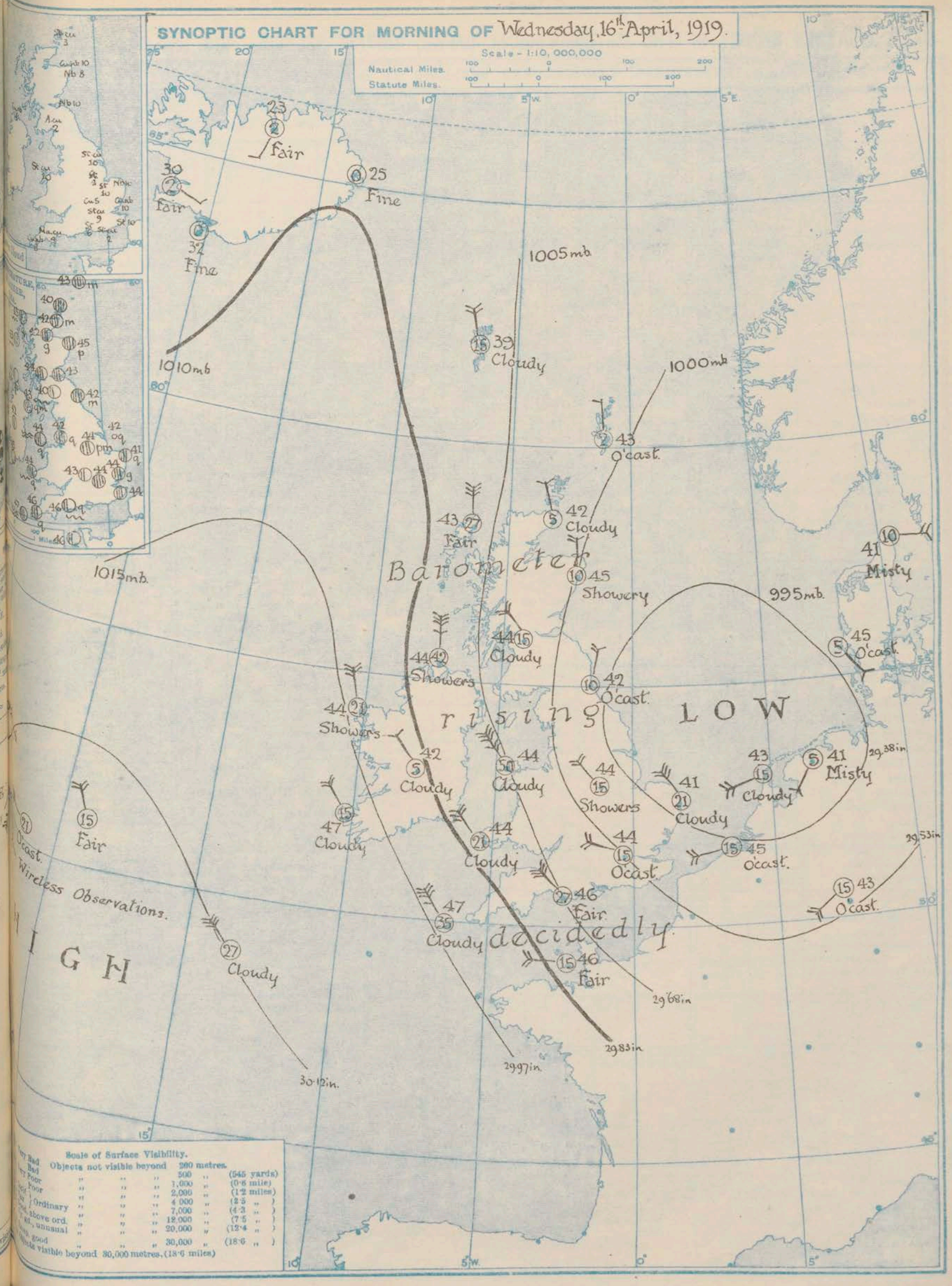
EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS.—clear sky. sky ¼ clouded. sky ½ clouded. overcast sky. rain. fog. snow. hail. thunderstorm. T thunder.
SEA DISTURBANCE.—Rough. High.

GENERAL INFERENCE from observations received up to 10 a.m.

The barometer is rising briskly over the United Kingdom, Northern France and the North Sea. A new depression is, however, approaching from the Atlantic and will probably begin to affect our western coasts during the day. Changeable and rather cold weather, with passing showers is probable generally.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Wednesday, 16th April, 1919	Further Outlook.
1. S.E. England 2. E. England 3 E. Midlands 4. W. Midlands	Fresh NW. winds, strong at times. Changeable, some showers with fair intervals. Squally, Rather cold.	A backing of wind and a change to rainy weather are likely to develop in the west of Ireland and extend eastward.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Fresh or strong NW. or N. winds backing later. Changeable, some showers with fair intervals, Squally. Rather cold.	
9. N. Midlands 10. N.E. England 11. E. Scotland	Moderate or fresh N'ly. winds. Changeable, some showers with fair intervals. Rather cold.	
12. S.W. Scotland 13. Isle of Man 14. N.&N.W.Scotland 15. Hebrides	Same as for 5-8	
16. Orkneys and Shetlands	Same as for 9-11	
17. N.W. Ireland 18. N E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Fresh W. wind backing SW. or S. Fair but local showers, probably some rain later. Squally, Moderate temperature.	

Meteorological Office, Exhibition Road, London, S.W. 7. H. G. LYONS, Col., Director. R. G. K. LEMPFERT, C.B.E., Superintendent Forecast Div.


SYNOPTIC CHART FOR MORNING OF Wednesday, 16th April, 1919.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
Fair
Fine
1005mb
1010mb
1000mb
1015mb.
995mb.
Cloudy
O'cast.
Fair
Showery
Misty
Showers
Barometer
rising
LOW
decidedly
HIGH
Wireless Observations.
29.38in
29.53in
29.68in
29.83in
29.97in.
30.12in.
Scale of Surface Visibility.
Very Bad Objects not visible beyond 200 metres.
Bad " " " 500 " (545 yards)
Very Poor " " " 1,000 " (0·6 mile)
Poor " " " 2,000 " (1·2 miles)
Ordinary " " " 4,000 " (2·5 ")
Good, above ord. " " " 7,000 " (4·3 ")
Very good, unusual " " " 12,000 " (7·5 ")
Exceptionally good " " " 20,000 " (12·4 ")
Objects visible beyond 30,000 metres. (18·6 miles)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No 128B {Wednesday April 16th}

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

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 14th	Rainfall. Day. 9h-17h. 15th	Sunshine. to 17h. 15th	Sunshine. Sunrise to Sunset. 14th
Scotland,	Banff	or	or	43	41	1	8	0·0	4·1
	St. Andrews ...	–	–	45	39	10	5	0·0	*
England, N.E.	Harrogate	ocbc	bco	46	37	0·2	0·2	0·5	2·2
	Skegness	obcor	bcor	47	39	0·3	2	0·9	1·7
England, E.	Felixstowe	omp	opbc	50	42	4	Trace	2·7	1·2
	Walton-on-Naze...								
	Southend-on-Sea...	cop	or	51	44	4	4	2·8	1·7
England, S.E.	Littlehampton	–	–	52	44	2	2	4·2	4·0
	Margate	p	cpR	52	41	5	4	2·2	1·1
	Ramsgate								
	Hastings	orbc	opbc	51	42	5	2	3·9	0·7
	Eastbourne... ...	bcq	bcop	50	42	4	1	5·2	0·7
	Worthing	rc	c[illegible]rc	52	44	4	3	4·8	3·1
	Bournemouth ...	*	*	52	42	3	–	5·0	4·0
England, N.W.	Southport	rocor	oroq	44	40	4	3	0·4	3·6
Midlands.	Buxton	or	bcr	41	36	6	3	1·0	1·9
	Leamington Spa...	ocbp	ocpb	49	40	2	2	0·6	3·9
	Malvern	q	q	49	39	5	2	1·0	4·6
	Ross-on-Wye ...	croc	cpbcq	50	41	4	0·2	1·9	5·2
Wales.	Rhyl	q	q	45	39	10	1	0·0	6·8
	Colwyn Bay ...	–	–	45	40	6	1	0·0	5·0
	Llandudno	or	o	45	40	4	1	0·0	5·6
	Aberystwyth ...	–	–	47	43	*	*	0·0	4·4
England, S.W.	Weymouth	bcpbc	pbc	52	42	1	2	5·0	3·7
	Torquay	cbcp	bcp	51	41	8	1	6·3	3·2
	Penzance	cbcq	cq	53	43	3	–	5·5	4·0
	Newquay	ocq	cbq	50	42	4	1	2·3	3·3
	Weston-s-Mare ...	cpbc	bcpbc	49	41	5	Trace	1·5	4·0

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-13h 15th	Weather 13h-18h 15th	Weather 18h 15th-1h 16th	Weather 1h-7h 16th	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)...	rf	rf.	cr	bccz	42	38	*	*	*	*
Eskdalemuir	crors	orooq	oq	bc	41	35	34	5	4	0·0
†Stranraer	poq	q	*	q	52	39	*	*	*	*
†Lough Foyle	co	o	*	p	47	40	*	*	*	*
Valencia (Cahirciveen) ...	ocp	cpq	bcqp	c	50	43	42	1	Trace	5·2
†Anglesey (Llangefni) ...	op	op	co	oq	46	39	*	*	*	*
Falmouth	pocq	ps	bcq	cq	52	44	39	1	–	5·9
†Calshot (Hants)	p,po	p,c	ps p	o	52	41	*	*	*	*
†Capel (Folkestone)... ...	o r	p R	*	cR	48	40	*	*	*	*
Aberdeen	p,om	omp	*	op	46	42	38	8	2	0·0
†East Fortune	o	pd o	or	o	45	38	*	*	*	*
†Howden	om o	p R	*	qc	51	38	*	*	*	*
†Felixstowe	qp	qp	bcc	qp	48	43	*	*	*	*
†Cranwell (Lincs) ...	*	or	r,co	p,r	49	38	*	*	*	*
Benson.	*	bbc	*	bcc	50	42	39	5		*
London (Kew Obsy.) ...	oporp	romqcobcu	o	copou	52	43	40	3	2	1·6

BEAUFORT NOTATION.

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.
e wet air without rain falling.
f fog. g gloom.
h hail. l lightning.
m mist.
o overcast sky.
p passing showers.
q squalls.
r rain.
rs sleet, *i.e.*, rain and snow together.
s snow.
t thunder.
u ugly, threatening sky.
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.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Limits of Velocity. Metres per second.
0	Less than 1	Less than 0·3
1	1- 3	0·3- 1·6
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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

LONDON. OBSERVATIONS.

	Weather. Morning	Weather. Afternoon.	Weather. Night.	Max. Temp. °F.	Min. Temp °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours.	Humidity % 15 h. G.M.T.	Humidity % 9 h. G.M.T.
	24 Hours ended 9h G.M.T. 16th							Yesterday.		To-day.
Greenwich (Royal Observatory)	ond	or	ol	53	43	38	5·0	2·1	74	78
City (Bushill Row)	*	*	*	*	*	*	*	1·3	*	*
Westminster (St. James's Park)	*	*	*	54	43	36	8·3	1·7	90	79
" (Admiralty Arch)	cqlm	bcqphp	cpqopq	53	44	*	7·0	1·5	77	79
Camden Sq. (British Rainfall)	oc	rroor	*	52	42	38	5·0	2·3	100	73
Kensington Palace	o	od	*	51	43	36	3·0	*	*	51
Richmond Park	*	*	*	*	*	*	*	*	*	*

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total .....778..... Joules.

Average Rate. 15·7 Milliwatts.

Maximum Rate. 71 " "

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

10th & 17th April 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth ...	4·55	11·53	6·50
	4·53	11·53	6·52
Greenwich	5·5	12·0	6·57
	5·3	12·0	7·24
Wick ...	5·1	12·12	7·26
	4·58	12·12	7·37
Valencia ...	5·45	12·41	7·30
	5·43	12·41	7·39

NOTES ON THE WEATHER OF YESTERDAY.

Except in parts of Scotland where several stations reported heavy rain (20 mm. at Leith) the day was generally showery, thunder occurring locally in the south-east of England. Sunshine was most abundant in the west and north-west, the highest record being 8.4 hours at Malin Head. Air temperature again failed to reach 50°F. in most localities.

† Air Ministry Station

* Information for these columns not usually received.

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METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No 29,965. B — THURSDAY, 17TH APRIL, 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form	Upper Cloud. Amt. 0-10.	Sea 0-9.
	13H. G.M.T. of ...16TH.....													
†Houton B. (Orkney)	1008.4	+6	NW	6	42	o	92	5	2-3000	St-cu	7	A-st	2	4
Eskdalemuir ...	1009.6	+9	NNW	4	47	o	65	7	4-5000	St-cu	9	-	-	*
†Stranraer ...	1012.9	+10	NNW	7	49	bq	65	8	2-3000	Cu	1	A-st	1	*
†Lough Foyle ...	1017.3	+6	NNW	5	48	bc	75	6	2-3000	Cu	6	-	-	5
Valencia (Cahiro'n)	1023.1	+4	WNW	5	50	b.	65	10	2-3000	Cu	3	-	-	5
†Anglesey (Llangefni)	1014.0	+9	N	4	45	o	75	7	4-5000	St-cu	10	-	-	6
Falmouth ...	1018.2	+4	NW	8	51	bq	65	6	-	Cu	6	-	-	*
†Calshot (Hants) ...	1010.1	+6	NW	5	49	o	87	8	2-3000	St-cu	10	-	-	6
†Capel (Folkestone)	1005.5	+6	NNW	4	45	o	82	4	1-1500	St-cu	9	-	-	4
Aberdeen ...	1008.3	+7	NW	4	50	bq	55	8	-	Cu-nb	6	-	-	2
†East Fortune ...														*
†Howden ...														*
†Felixstowe ...	1003.9	+5	NW	4	47	ng	92	5	1-1500	Nb	10	-	-	5
†Cranwell (Lincs)														*
Benson ...	1006.2	+8	NW	5	46	o	75	6	-	-	-	-	-	*
London (Kew Ob.)	1007.3	+6	NW	4	49	o	65	6	-	St-cu	7	A-st	2	*
	1H. G.M.T. of ...17TH.....													
†Houton B. (Orkney)	1015.3	0	SW	3	37	o	87	8	5-7000	St-cu	2	Ci-st	6	?
Eskdalemuir ...	1020.2	+3	-	0	37	o ⊕	75	8	-	-	-	Ci-st	9	*
†Stranraer ...														
†Lough Foyle ...														
Valencia (Cahiro'n)	1024.9	-1	NNW	1	48	om	-	-	-	-	-	-	-	2
†Anglesey (Llangefni)	1022.8	+5	SSW	6	38	c	92	2	7-9000	Nb	2	Ci-cu	5	3
Falmouth ...	1026.0	+1	NW	2	43	bq	92	7	-	-	-	A-cu	2	*
†Calshot (Hants) ...	1022.1	+3	SW	2	40	b	97	7	5-7000	Cu	2	-	-	4
†Capel (Folkestone)														
Aberdeen ...	1015.7	+3	SW	2	38	b	82	5	2-3000	St	2	-	-	*
†East Fortune ...	1019.0	+3	SW	2	40	b ⊕	82	?	-	-	-	Ci-st	2	*
†Howden ...														*
†Felixstowe ...														
†Cranwell (Lincs)														
Benson ...	1019.6	+3	N	2	+1	b	92	5	-	-	-	-	-	*
London (Kew Ob.)	1020.4	+2	NW	2	45	bc	*	*	*	*	*	*	*	*

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form	Upper Cloud. Amt. 0-10.	Sea 0-9.
	18H. G.M.T. of ...16TH.....													
†Houton B. (Orkney)	1013.4	+6	WNW	6	40	o	75	6	3-4000	St-cu	9	-	-	4
Eskdalemuir ...	1015.0	+6	NW	4	46	bc	65	8	-	St-cu	3	Ci	2	*
†Stranraer ...	1018.0	+8	NW	4	45	cq	75	8	1½-2000	St-cu	1	Ci-st	7	*
†Lough Foyle ...	1020.7	+8	NNW	2	46	c	87	6	3-4000	St.	9	-	-	4
Valencia (Cahiro'n)	1026.3	+3	W	3	49	bc	75	8	2-3000	Cu	2	A-cu	4	4
†Anglesey (Llangefni)	1018.1	+8	N	5	45	c	75	8	5-7000	Nb	6	Ci-st	2	5
Falmouth ...	1021.6	+4	NW	6	49	bz	-	-	-	-	-	-	-	*
†Calshot (Hants) ...	1016.6	+8	NW	4	49	o	87	8	3-4000	St.	9	A-cu	1	6
†Capel (Folkestone)														
Aberdeen ...	1014.2	+7	NW	4	45	bc	75	8	-	Cu-nb	4	-	-	3
†East Fortune ...	1014.7	+7	N	2	48	c	82	8	2-3000	St-cu	9	-	-	*
†Howden ...	1012.9	+8	N	5	46	bc	75	5	3-4000	St-cu	6	-	-	*
†Felixstowe ...	1010.2	+8	NNW	4	46	o	92	5	-	Nb	9	-	-	5
†Cranwell (Lincs)	1017.2	+4	N	4	46	o	87	5	1½-2000	St	9	-	-	*
Benson ...	1014.3	+7	NNW	5	47	o	75	7	-	St	9	-	-	*
London (Kew Ob.)	1013.8	+8	NW	3	48	om.	75	5	-	Nb	8	A-st	2	*
	7H. G.M.T. of ...17TH.....													
†Houton B. (Orkney)	1011.5	-5	SSE	6	38	r, f	97	5	1½-2000	St	10	-	-	4
Eskdalemuir ...	1020.1	0	S	3	37	odm	97	4	<500	St	10	-	-	*
†Stranraer ...	1019.6	-1	SW	2	44	f	97	5	½-1000	Nb	10	-	-	*
†Lough Foyle ...	1017.8	0	SW	6	47	d	97	5	<500	Nb	10	-	-	5
Valencia (Cahiro'n)	1024.9	+1	SW	4	50	o	92	7	<500	St	10	-	-	3
†Anglesey (Llangefni)	1023.8	+1	SW	3	44	r	92	6	1½-2000	St	10	-	-	3
Falmouth ...	1028.5	+3	W	2	44	o	97	6	-	-	-	A-St	9	*
†Calshot (Hants) ...	1025.9	+3	NW	1	42	b	95	5	7-9000	-	-	Ci-St	3	4
†Capel (Folkestone)	1019.7	+7	N	3	43	b	92	6	3-4000	St-Cu	2	-	-	4
Aberdeen ...	1015.6	-1	SSW	2	40	ro f	87	3	-	Nb	10	-	-	2
†East Fortune ...	1018.1	-1	SW	1	41	d	92	4	2-3000	Nb	8	-	-	*
†Howden ...	1021.8	+4	WSW	1	39	b	97	3	4-5000	St-Cu	4	A-St	5	*
†Felixstowe ...	1023.5	+7	NNW	2	43	bc	92	5	-	Cu	2	Ci	2	2
†Cranwell (Lincs)	1023.1	+3	W	1	39	b	92	4	4-5000	Cu	2	Ci	1	*
Benson ...	1024.2	+4	-	0	42	b	82	5	-	-	-	-	-	*
London (Kew Ob.)	1023.0	+4	SW	2	41	bz	82	4	-	-	-	A-Cu	1	*

STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather	Barometer. at M.S.L. m.b.	Barometer. ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	18H. G.M.T. of ...16TH.....					7H. G.M.T. of ...17TH.....									24 HOURS ENDED 7H. ...17TH.....						...16TH...
Lerwick	1013.1	42	NW	4	om	1012.9	-1	42	-1	S	3	-	om	2	0.1	49	33	om.	om.	om	*
Stornoway ...	1016.0	45	W	3	c	1009.2	0	48	+5	WSW	6	-	orq	5	13	48	40	bc/rq	bc.c.	c.orq	6.8
Castlebay (Barcal's)	1017.5	46	W	3	o	1013.5	0	48	+5	SW	5	-	od	5	2	48	43	b.	b.o	opd	9.4
Glasgow ...	1015.9	48	WNW	4	c	1018.2	-1	46	+2	SW	2	-	omr	*	1	53	40	c.bc.c.o	c.bc.c	bc.c.or	7.1
Malin Head ...	1018.9	46	WNW	4	bc	1016.4	0	48	+4	SW	4	-	oq	4	2	48	42	bcq.	bcq.	omp	8.8
Blacksod Point	1021.2	47	WSW	4	cqr.	1018.4	-0	48	+4	SW	5	-	o/f	5	8	50	43	bcf.	bcz.	or.of p	*
Roche's Point ...	1023.3	49	W	4	c	1025.5	0	48	+3	SW	3	-	om	7	0.3	53	45	b.bc.cf.	cf.bc.c.	c.om	*
Lerr Castle ...	1021.4	50	W	2	c	1022.5	-1	48	+6	SW	1	-	o	*	-	55	42	c	c	c.o	10.6
Donaghadee ...	1018.2	46	NNW	4	bcm	1019.2	+1	44	+1	WSW	3	-	ogm	2	0.3	49	39	bq.	bq.	bc.omp	*
Liverpool (Bidston)	1016.1	45	WNW	4	b	1023.2	+2	44	+2	WSW	2	W	bc	2	-	48	39	o.cq.	c.bc.	bc	3.6
Holyhead ...	1018.4	46	N	6	bc	1022.9	+1	45	+1	SW	4	-	odm	3	0.1	51	40	cq.	cq.	bcopd	7.6
Pembroke (St. Ann's Head)	1020.9	50	NNW	2	bc	1026.5	+2	46	+2	-	0	-	o	3	-	52	44	bcq	bq.bc.	b.bc	10.8
Scilly (St. Mary's)	1023.4	49	NW	6	bc	1028.6	+1	48	+1	W	4	NW	c	5	-	52	45	c.	bc.b	b.bc.c	10.1
Jersey (St. Aubin)	1019.1	50	W	5	b	1027.0	+2	47	+1	NW	2	-	b	2	-	52	43	b.c.bc.o.	o.bc.b.	o.bw	11.0
Portland Bill ...	1016.7	49	NW	6	cq	1026.1	+4	47	+1	NW	3	-	bc	4	-	50	42	bc.cq.	cq.	bc	*
Dungeness ...	1010.6	47	WNW	2	c	1022.8	+5	43	-1	NW	3	NW	b	3	1	51	40	cq.	cf.c.	cq.bc	*
Wick	1013.9	43	WNW	5	bc	1011.6	-4	41	-1	SSW	5	-	r	4	1	49	36	c.omf.	of.bcm	bc.omr	*
Nairn	1014.8	45	NNW	2	bc	1012.2	*	42	0	W	1	-	odq	1	2	47	31	cfg.	c bc.	bc.cdq	2.3
Leith	1014.9	48	NNW	2	c	1017.4	0	43	0	SW	2	-	o	2	0.4	49	39	bc.c	c.bcwc	c.b.od.	*
Tynemouth ...	1011.2	46	N	3	bcm	1020.6	+2	40	-2	W	2	-	f	3	-	46	38	om	om	bcmf	*
Spurn Head ...	1011.9	45	NNW	6	cq	1022.5	+3	42	0	WNW	3	-	bc	3	0.1	45	40	oq	o.c.	bc	0.0
Yarmouth (Gorleston)	1008.0	45	N	4	o	1020.2	+6	43	+2	N	3	-	bcm	3	1	47	41	omqf	omqf	oq.bcm	0.8
Clacton on-Sea	1010.1	46	NW	5	bc	1022.7	+7	43	-1	NW	3	-	bc	2	2	51	39	oqcf	cqfbc.	-	1.8
Nottingham ...	1013.7	48	NW	3	bc	1023.1	*	41	-3	W	2	W	b	*	0.4	51	37	cf.o.	of.c	bc.c.	0.4

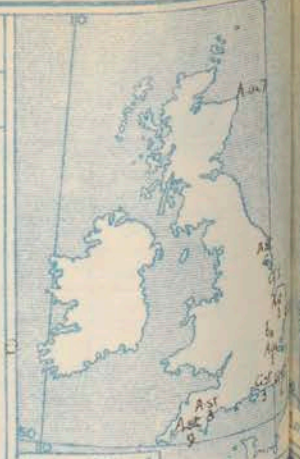
† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

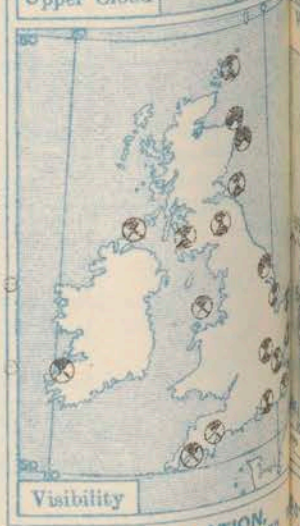
SUMMARY OF CONDITIONS AT 7 A.M. Thursday, 17th April, 1919.

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	W-NW 2-15	Moderate	Fine	Good	slight
2. E. England	NW-N 5-10	Moderate	Variable sky; mist locally	Ord.	slight
3. E. Midlands	Calm-W 5	Moderate	Fine, mist and haze	Ord	-
4. W. Midlands					
5. S.W. England	W-NW. 5-15	Moderate	Variable sky	Good	Moderate
6. South Wales	SSW 15	Moderate	Overcast	-	Slight
7. North Wales	SW 15	Moderate	Overcast; mist & drizzle	Good	slight
8. N.W. England	W 5	Moderate	Fair	-	Smooth
9. N. Midlands	W 5	Moderate	Fair	-	-
10. N.E. England	W 5	Moderate	Var. sky; local mist & fog	Poor	Slight
11. E. Scotland	SSW-W 5-10	Moderate	Overcast; slight rain, misty.	Poor	Smooth
12. S.W. Scotland	S-SW 5 10	Moderate	Overcast; slight rain, misty	Ord.	Smooth
13. Isle of Man	S-SW 5-10	Moderate	Overcast; slight rain, misty	Ord.	Smooth
14. N.& N.W. Scotland	S 20	Moderate	Overcast; rainy	-	Moderate
15. Hebrides	WSW 20	Mild	Overcast; drizzle & squally	-	Rather rough
16. Orkneys and Shetlands	S to 28	Moderate	Overcast, mist & rain	Ord.	Moderate
17. N.W. Ireland	SW 15-25	Rather mild	Overcast; local drizzle & fog	"	"
18. N.E. Ireland	SW 15	Moderate	Overcast; misty.		Slight
19. S.E. Ireland	SW 2	mild	Overcast		"
20. S.W. Ireland	SW 10-15	"	Overcast, misty	Good	"

GENERAL INFERENCE from observations received up to 10 a.m.

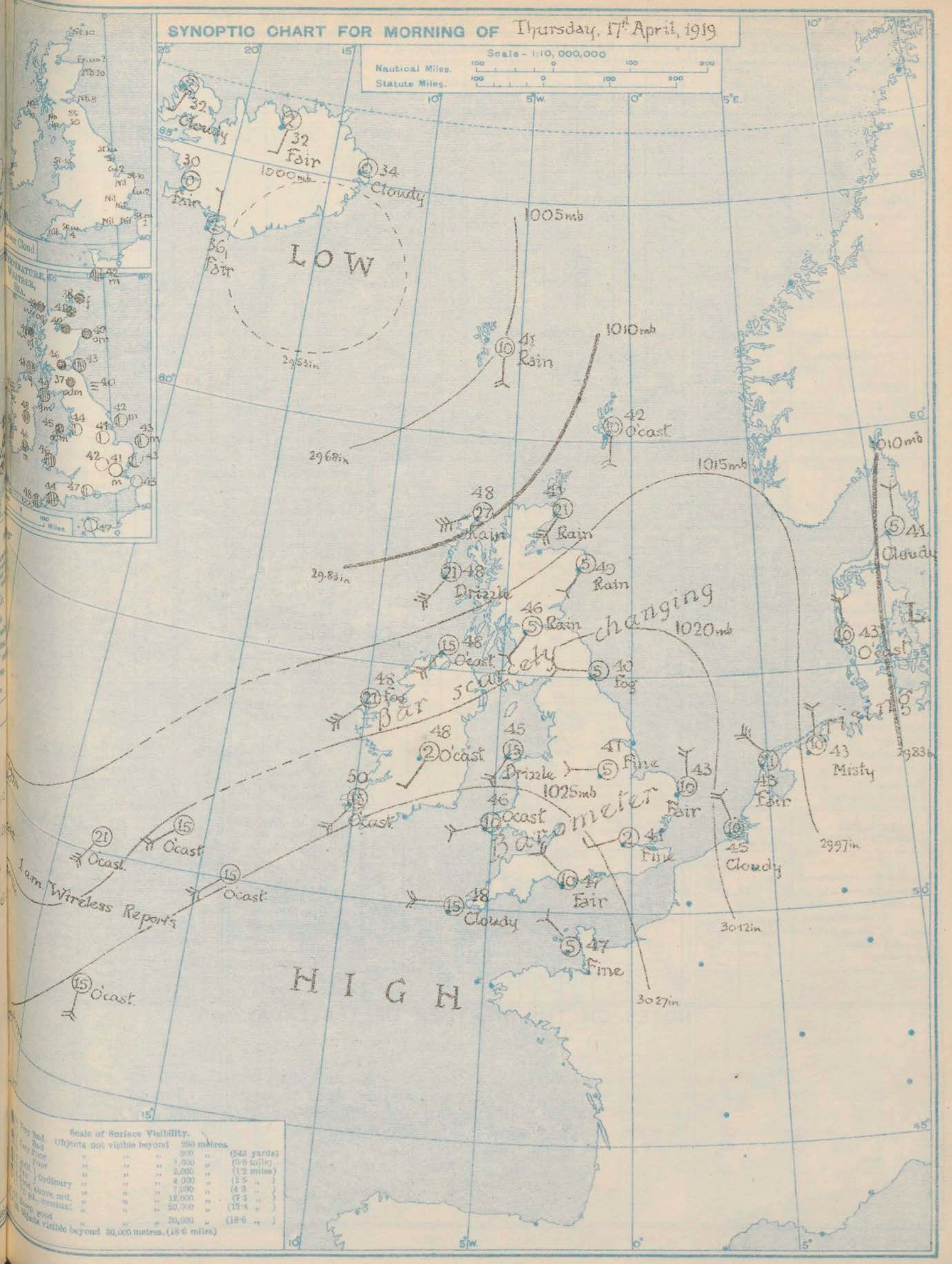
A small depression off NW Scotland is moving eastward and causing disturbed weather in the north. Further disturbances arriving from the Atlantic will probably produce rain in Ireland, Scotland and the west of England, but the south and east of England are not immediately threatened.





EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five 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 degrees F.
WEATHER SYMBOLS.—
clear sky. sky ¼ clouded. sky ½ clouded. sky ¾ clouded. overcast sky. rain falling. snow. hail. fog. thunderstorm. T thunder.
SEA DISTURBANCE.—Rough. High seas.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Thursday 17th April, 1919	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands ~~4. W. Midlands~~	Light or moderate W or NW winds. Mainly fair or fine, rather cold.	Winds will probably become generally south-westerly, with unsettled, changeable weather.
5. S.W. England ~~6. South Wales~~	Moderate to fresh SW winds, cloudy or dull, tendency to rain later, milder than of late.	
7. North Wales 8. N.W. England ~~9. N. Midlands~~	Fresh SW wind, dull, some rain, mist locally, milder than of late.	
10. N.E. England	Light or moderate W wind backing to SW. Fair at first, tendency to rain later, milder.	
11. E. Scotland 12. S.W. Scotland	Fresh SW to W wind, dull, rain at times, some mist, moderate temperature.	
13. Isle of Man	Same as for 7 - 9	
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 winds between south and west, unsettled, some rain, local mist or fog, temperature moderate to rather mild.	


SYNOPTIC CHART FOR MORNING OF Thursday, 17th April, 1919
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
LOW
HIGH
1000mb
1005mb
1010mb
1015mb
1020mb
1025mb
29.53in
29.68in
29.83in
29.97in
30.12in
30.27in
Barometer changing
Barometer falling
Barometer rising
Strong gale
Gale
Lam Wireless Reports
Lower Cloud
Temperature of Water of Sea
Scale of Surface Visibility.
Objects not visible beyond 250 metres
Very Bad
Bad
Very Poor
Poor
Ordinary
Ordinary
Above ord.
Unusual
Very good
Objects visible beyond 30,000 metres (18·6 miles)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 147 B

THURSDAY, 17TH APRIL

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

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperatures. Max. °F.	Temperatures. Min. °F.	Rainfall. Night. 17h-9h.	Rainfall. Day. 9h-17h.	Sunshine. to 17h.	Sunshine. to Sunset.
						12	16	16	12
Scotland.	Banff	oc	brc	48	41	5	1	1·7	0·0
	St. Andrews ...	-	-	52	39	4	1	1·9	0·0
	MONTROSE	-	-	49	40	1	1	3·9	*
England, N.E.	Harrogate	opc	opc	48	38	4	1	1·2	0·5
	Skegness	op	obcp	47	37	4	2	1·8	0·9
England, E.	Felixstowe	ocp	bcp	50	41	1	1	1·5	2·7
	Walton-on-Naze...								
	Southend-on-Sea...	ocp	op	49	43	1	1	1·0	2·8
England, S.E.	LITTLEHAMPTON	-	-	51	43	2	-	4·3	4·2
	Margate	o	o	48	43	1	Trace	0·1	2·5
	Ramsgate	u	ou	50	42	-	-	0·8	*
	Hastings	orbcb	bco	50	43	1	-	4·0	4·0
	Eastbourne... ...	bcq	bcq	52	42	1	-	5·4	5·2
	Worthing	cbc	cbc	52	44	-	-	6·0	3·3
	Bournemouth ...	-	-	52	41	1	-	7·1	5·0
England, N.W.	Southport	oqcqo	cbc	49	42	Trace	-	2·8	0·4
Midlands.	Buxton								
	Leamington Spa...	ocb	cb	49	41	3	-	0·5	0·6
	Malvern								
	Ross-on-Wye ...	cbc	c	51	41	Trace	-	2·2	1·9
Wales.	Rhyl	-	-	47	42	3	-	2·1	0·8
	Colwyn Bay ...	-	-	48	44	2	-	2·5	0·0
	Llandudno	o	cb	48	40	1	-	2·6	0·0
	Aberystwyth ...	-	-	47	44	*	*	3·5	0·0
England, S.W.	Weymouth	bc	c	52	42	1	-	6·8	3·9
	Torquay	bbcb	bbc	53	44	-	-	10·8	7·1
	Penzance	bcq	bcbq	54	46	Trace	-	10·5	5·8
	Newquay	bq	bq	51	44	-	-	9·5	2·3
	Weston-s-Mare ...	bcc bc	bcc	50	43	-	-	4·5	1·5

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-13h.	Weather 13h-18h.	Weather 18h-1h.	Weather 1h-7h.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall Day. 7h-18h	Rainfall Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)...	cep	cp	co	op	46	37	*	*	*	*
Eskdalemuir	bcopo	bc	bcco	odm	50	33	27	2	3	6·3
†Stranraer	qpo	obcc	*	omq	50	35	*	*	*	*
†Lough Foyle	po	bcc	*	pd	47	40	*	*	*	*
Valencia (Cahireiveen) ...	obcbb	bbc	om	bco	50	45	44	0·4	-	8·1
†Anglesey (Llangefni) ...	cob	coq	bcc	opd	50	35	*	*	*	*
Falmouth	bcq	bcz	bq	bqc	53	42	32	-	-	10·2
†Calshot (Hants)	cq	bcc	o	bz	52	37	*	*	*	*
†Capel (Folkestone)... ...	bq	cc	*	cp	46	40	*	*	*	*
Aberdeen	opoc	cpbc	bbcz	opm	51	37	27	Trace	1	2·8
†East Fortune	*	p2co	zco	oq	51	40	*	*	*	*
†Howden	*	coq	*	xf	49	33	*	*	*	*
†Felixstowe	rq	pq	*	bcc	50	40	*	*	*	*
†Cranwell (Lincs) ...	*	oc	bccbbc	bccb	47	35	*	*	*	*
Benson	*	bcct	*	bcb	47	34	27	nil		-
London (Kew Obsy.) ...	pc	omp	bc	bm	46	39	30	-	-	0·7

BEAUFORT NOTATION.

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.
e wet air without rain falling.
f fog. g gloom.
h hail. l lightning.
m mist.
o overcast sky.
p passing showers.
q squalls.
r rain.
rs sleet, *i.e.*, rain and snow together.
s snow.
t thunder.
u ugly, threatening sky.
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.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Limits of Velocity. 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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

LONDON. OBSERVATIONS.

24 Hours ended 9h G.M.T. APRIL 17th

	Weather. Morning	Weather. Afternoon	Weather. Night	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours.	Humidity % 15 h. G.M.T. Yesterday.	Humidity % 9 h. G.M.T. To-day.
Greenwich (Royal Observatory)	o	ocr	bc	50	39	31	Trace	0·4	74	72
City (Bunhill Row)	*	*	*	*	*	*	*	0·8	*	*
Westminster (St. James's Park)	*	*	*	51	39	33	0·4	0·7	78	73
" (Admiralty Arch)	opybcq	cpqo	obcm	51	41	*	0·2	0·8	80	75
Camden Sq. (British Rainfall)	oc	bc	*	51	38	35	Trace	0·7	74	69
Kensington Palace	o	cp	*	49	39	31	-	*	-	68
Richmond Park	*	*	*	*	*	*	*		*	*

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total ....488..... Joules.

Average Rate. 9·8 Milliwatts.

Maximum Rate. 71 " "

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

17th & 18th APRIL 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth...	4·53	11·53	6·32
	4·51	11·52	6·33
Greenwich	5·3	12·0	6·57
	5·1	11·59	6·58
Wick ...	4·38	12·12	7·20
	4·36	12·11	7·20
Valencia ...	5·43	12·41	7·36
	5·41	12·40	7·36

NOTES ON THE WEATHER OF YESTERDAY.

In the western and south-western districts the day was generally fine and nearly all stations returned good sunshine records, as much as 11 hours being enjoyed at Jersey. Rainy conditions supervened on the western seaboard during the night, 13mm of rain being measured at Stornoway. Air temperature rose to 55°F at Birr Castle but again failed to reach 50° at many stations.

† Air Ministry Station

* Information for these columns not usually received.

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METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No. 20,996 B. Friday 18th April, ...1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1h, 7h, 13h AND 18h.

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form.	Upper Cloud. Amt. 0-10.	Sea 0-9.
	13h G.M.T. of ...17th.....													
†Houton B. (Orkney)	1010.5	0	WSW	5	46	or	97	6	1-1500	Nb.	10	-	-	-
Eskdalemuir ...	1019.3	0	SW	5	46	odm	97	3	½-1000	St.	10	-	-	*
†Stranraer ...	1019.7	+1	WSW	3	51	od	92	4	½-1000	Nb.	10	-	-	-
†Lough Foyle ...	1019.7	+3	WSW	7	48	orq	97	5	<500	Nb.	10	-	-	5
Valencia (Cahirc'n)	1026.4	+1	SSW	4	54	o	82	7	1-1500	St.	8	A-St.	2	4
†Anglesey (Llangefni)														
Falmouth ...	1029.4	+1	NW	5	54	oq	75	6	-	Cu-Nb.	10	-	-	*
†Calshot (Hants) ...	1026.7	+1	WNW	4	?	o	75	8	3-4000	St-Cu.	8	Ci-Cu.	2	4
†Capel (Folkestone)	1025.3	+1	NW	3	52	o	65	5	2-3000	St.	10	-	-	3
Aberdeen ...	1014.0	-1	S	3	51	omq	75	3	-	St-Cu.	9	-	-	2
†East Fortune ...	1017.0	0	W	5	52	o	82	6	½-2000	Cu-Nb.	10	-	-	*
†Howden ...	1022.9	+1	SSW	3	47	rsf2	87	3	3-4000	St-Cu.	10	-	-	*
†Felixstowe ...	1022.5	0	WNW	3	53	o	65	5	4-5000	Cu.	10	-	-	4
†Cranwell (Lincs)														*
Benson' ..	1022.5	0	W	3	51	o	65	5	-	-	*	-	-	*
London (Kew Ob.)	1025.0	0	W	3	53	o	55	8	-	St-Cu.	6	A-St.	4	*
	1h G.M.T. of ...18th.....													
†Houton B. (Orkney)	1021.2	+2	WSW	3	48	rsf1	97	4	1-1500	St	10	-	-	5
Eskdalemuir ...	1023.4	+2	S	2	46	rsf1	97	1	½-1000	St	10	-	-	*
†Stranraer ...														
†Lough Foyle ...														
Valencia (Cahirc'n) ...	1028.4	+1	SSW	3	50	cgd	-	-	-	-	-	-	-	*
†Anglesey (Llangefni)	1027.2	+2	SSW	2	48	o	92	5	1½-2000	St	10	-	-	2
Falmouth ...	1030.7	0	WNW	3	47	bc	97	6	-	-	-	A-Cu	1	*
†Calshot (Hants) ...	1028.4	0	WNW	2	50	do	92	7	1½-2000	Nb	10	-	-	2
†Capel (Folkestone)														
Aberdeen ...	1015.5	+2	WSW	4	51	o	92	4	4-5000	St-Cu	10	-	-	-
†East Fortune ...	1021.0	+2	SW	3	51	do	92	9	1½-2000	St-Cu	8	-	-	*
†Howden ...														*
†Felixstowe ...	1023.0	0	-	0	47	rsf1	97	2	-	-	-	-	-	1
†Cranwell (Lincs)	1024.5	+2	W	2	49	c	92	3	2-3000	St	7	A-Cu	3	*
Benson' ...														*
London (Kew Ob.)	1027.1	0	W	1	50	o	-	-	-	-	-	-	-	*

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form.	Upper Cloud. Amt. 0-10.	Sea 0-9.
	18h G.M.T. of ...17th.....													
†Houton B. (Orkney)	1014.8	-1	W	8	48	o	97	6	½-1000	St.	10	-	-	5
Eskdalemuir ...	1019.3	+2	W	4	51	o	97	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*
†Stranraer ...	1020.8	+2	WSW	1	52	od	92	7	1-1500	St.	10	-	-	-
†Lough Foyle ...	1020.5	+1	WSW	8	49	om	98	5	1-1500	St	10	-	-	5
Valencia (Cahirc'n)	1026.4	0	S	2	52	o	92	8	<500	St.	10	-	-	4
†Anglesey (Llangefni)	1024.4	+2	SW	3	48	o	92	4	2-3000	St.	9	-	-	4
Falmouth ...	1029.0	0	WNW	4	52	cf	-	-	-	-	-	-	-	*
†Calshot (Hants) ...	1027.5	+1	WSW	3	49	o	97	7	4-5000	St.	10	-	-	4
†Capel (Folkestone)	1026.9	0	WNW	2	48	rsf2	92	5	½-1000	Nb.	10	-	-	2
Aberdeen ...	1014.0	+1	NW	0	0	omq	65	5	-	St-Cu	10	-	-	2
†East Fortune ...	1018.0	+1	WSW	4	53	c	87	5	½-2000	St-Cu	4	-	-	*
†Howden ...	1022.0	0	WNW	2	51	ofs	87	2	1½-2000	-	-	-	-	*
†Felixstowe ...	1026.8	+3	W	1	49	efq	97	4	4-5000	Nb.	8	-	-	4
†Cranwell (Lincs)	1022.5	-1	W	3	50	omq	92	5	2-3000	St.	8	-	-	*
Benson' ..	1025.9	0	W	1	50	o	92	5	-	St	10	-	-	*
London (Kew Ob.)	[illegible]	0	SW	-	50	oc	87	0	-	St-Cu	7	A-St	3	*
	7h G.M.T. of													
†Houton B. (Orkney)	1016.0	+5	W	8	47	rof1	98	1	<500	St.	10	-	-	5
Eskdalemuir ...	1025.6	+3	S	2	46	om	98	0	½-1000	St.	10	-	-	*
†Stranraer ...	1026.1	+4	WSW	3	50	o	92	8	1½-2000	St	9	-	-	*
†Lough Foyle ...	1025.5	+3	WSW	6	48	od	98	5	<500	Nb	10	-	-	5
Valencia (Cahirc'n)	1028.7	+2	S	2	51	om	92	4	<500	St.	10	-	-	3
†Anglesey (Llangefni)	1028.3	+2	SSW	2	49	o	92	6	2-3000	St.	10	-	-	2
Falmouth ...	1031.3	+1	WNW	2	49	c	98	6	-	St	2	A-Cu	5	*
†Calshot (Hants) ...	1029.8	+0	NW	3	47	om	98	6	?	St	10	-	-	3
†Capel (Folkestone)	1029.6	+1	NNW	3	48	o	98	5	-	St	10	-	-	3
Aberdeen ...	1019.7	+5	SW	1	55	b	65	7	-	-	-	Cu-Ci	2	2
†East Fortune ...	1022.6	+1	W	5	53	c	87	6	1½-2000	Cu-Nb	2	Ci-Cu	6	*
†Howden ...	1026.3	+3	W	4	52	c	87	5	3-4000	St-Cu	4	A-Cu	3	*
†Felixstowe ...	1025.6	+1	WNW	2	51	oz	98	3	-	St-Cu	10	-	-	2
†Cranwell (Lincs)	1027.3	+3	WNW	1	51	bc	92	4	4-5000	Cu	3	Ci	2	*
Benson' ...	1028.9	+2	W	2	47	o	98	3	-	St.	10	-	-	*
London (Kew Ob.)	1028.7	+2	W	2	50	om	87	4	-	St-Cu	10	-	-	*

STATIONS CONTRIBUTING REPORTS AT 7h AND 18h.

STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather	Barometer. at M.S.L. m.b.	Barometer. ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	18h G.M.T. of ...17th.....					7h G.M.T. of ...18th.....									24 HOURS ENDED 7h. ...18th.....						.....
Lerwick ...	1008.5	46	SW	5	omq	1012.4	+6	47	+5	WSW	5	-	om	3	10	47	41	om	omr	fe	*
Stornoway ...	1016.5	52	WSW	6	opq	1018.2	+4	51	+3	SW	5	-	odq	4	4	53	48	opq	opq	opq	0.0
Castlebay (Barra Is)	1016.[illegible]	49	WSW	4	odf	1022.6	+3	48	0	WSW	4	-	odf	5	Trace	49	48	dfe	fe	fdf	0.0
Glasgow ...	1019.6	45	SW	4	omq	1024.9	+4	49	+3	SW	2	-	omd	*	2	50	41	omrdp	omr.o.	omdp	0.0
Malin Head ...	1018.8	49	WSW	5	omq	1023.3	+2	49	+1	WSW	5	-	om	5	1	51	46	omqp	omqp	om	0.0
Blacksod Point	1021.2	50	SSW	5	oqn	1024.7	+1	48	0	SSW	4	SW	bcm	4	0.2	53	46	ofe	oqm	ofe	*
Roche's Point ...	1023.9	52	WSW	4	o	1024.6	+2	49	+1	SW	1	-	†	2	Trace	56	48	o.c.o	o.c.o.	of	*
Birr Castle ...	1024.0	55	SW	2	o	1027.7	*	52	+2	SW	1	-	o	*	-	56	48	o	o	o	0.0
Monaghadee ...	1020.5	56	W	4	omq	1025.6	+4	51	+7	SW	3	-	cm	2	1	56	44	oqm	oqmd	oqmqp	*
Liverpool (Bidston)	1024.1	5[illegible]	[illegible]	4	o	1027.4	+2	50	+6	WSW	1	-	o	1	1	53	44	cfq.o.	q	c.o	0.0
Holyhead ...	1022.7	49	WSW	[illegible]	o	1027.8	+2	47	+2	SW	4	-	cg	2	2	51	44	ofc.sf.	dmcs	c.oq	0.0
Pembroke (St. Ann's Head)	1027.7	49	W	3	c	1030.1	+2	47	+1	W	2	-	oz	2	Trace	48	45	v	cc	oz	0.0
Scilly (St. Mary's)	1029.8	50	W	4	c	1031.2	0	49	+1	W	1	-	o	3	Trace	54	46	c.u	o.c	bc.omw	2.5
Jersey (St. Aubin)	1029.0	59	W	-	o	1030.8	0	48	+1	NW	2	-	c	2	-	53	46	b	bc.v.	bwc	7.8
Portland Bill ...	1027.5	[illegible]	W	[illegible]	o	1029.2	+1	46	-1	WSW	2	-	bc	3	-	50	43	bc.c.	bc.o	c.bc	*
Dungeness ...	1028.0	57	[illegible]	3	c	1027.6	+2	48	+5	WSW	2	-	c	2	1	57	43	bc.c.	qc.c.	cpcpc	*
Wick	1011.7	54	W	2	om	1017.6	+4	53	+12	W	3	-	o	2	2	56	41	omqp.	omq	omq	*
Nairn	1013.3	55	W	3	c	1019.7	*	52	+10	W	1	-	bc	1	0.2	58	42	cq.bc.	q.bc.c.	bcq	1.2
Leith	1017.5	51	WSW	3	o	1022.5	+1	52	+9	W	2	-	o	2	1	56	43	o.c.bc	c.oq.o	oq.obo	*
Tynemouth ...	1018.4	54	WSW	3	bcm	1024.6	+3	52	+12	WNW	1	-	o	3	1	55	40	omq	om	om	*
Spurn Head ...	1022.6	48	SW	2	om	1025.8	+2	48	+6	WNW	3	-	c	3	-	49	41	om	om	rm.s	1.1
Yarmouth (Gorleston)	1023.2	49	W	2	o	1025.8	?	50	+7	NW	2	-	om	2	1	55	42	om	bm	ompom	2.9
Clacton-on-Sea	1025.3	49	W	2	o	1027.5	+2	49	+6	W	3	-	o	1	2	54	42	bc cz	cz ogd	ogmre	5.4
Nottingham ...	1023.5	51	SW	2	o	1027.4	*	49	+8	W	1	-	bc	*	1	52	41	c.or.	rom	o	0.7

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARY OF CONDITIONS AT 7 A.M. Friday, 18th April, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	W-NW. 2-10	Mild	Overcast, misty.	Ord.	Slight
2. E. England	Calm to NW	"	Overcast, mist & haze	Indiff.	"
3. E. Midlands	Calm	"	Variable cloud	"	-
4. W. Midlands	W. 2	"	Overcast	Poor	-
5. S.W. England	Calm to W 5	Moderate	Overcast, fog at Plymouth	Variable	Smooth
6. South Wales	W. 5	"	Overcast, hazy		"
7. North Wales	SW. 5-15	"	Overcast.	Good	"
8. N.W. England	W. 2	Mild	Overcast.		Calm
9. N. Midlands	W. 2	"	Fair.		-
10. N.E. England	W-WNW. 2-10	V. mild	Cloudy to overcast.	Ord.	Slight
11. E. Scotland	W. 2-10	V. mild	Variable cloud	V. good	"
12. S.W. Scotland	S-WSW. 5-20	Mild	Overcast, drizzle & fog	Variable	"
13. Isle of Man	S-WSW. 5-20	"	" " "	"	"
14. N. & N.W. Scotland	W. 2-10	V. mild	Variable cloud	-	Mod.
15. Hebrides	WSW. 15-20	Mild	Overcast, drizzle & fog.	-	"
16. Orkneys and Shetlands	WSW. 20-42	"	" " "	Bad	"
17. N.W. Ireland	SSW. 5	Mod.	Fair, misty.	-	"
18. N.E. Ireland	SW. 10-20	Mild	Overcast, mist & drizzle	Ord.	"
19. S.E. Ireland	SW. 2	V. mild	Overcast		
20. S.W. Ireland	Light variable	Mild	Overcast, fog.	Variable	Slight

GENERAL INFERENCE from observations received up to 10 a.m.

The anticyclone which lies over the Bay of Biscay will spread slowly northward and cause fair, warm weather in the south of this country.

EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five 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 degrees F.
WEATHER SYMBOLS.— clear sky. sky ½ clouded. overcast sky. snow. hail. T thunder. sky ¼ clouded. sky ¾ clouded. rain falling. fog. thunderstorm.
SEA DISTURBANCE.— Rough. High.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Friday, 18th April, 1919	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Light or moderate Wly. winds, variable later. Fair generally, local mist. Cool night, warmer tomorrow.	
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Moderate Wly. or SWly. winds. Cloudy, occasional drizzling rain, improving. Moderate temperature.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland	Moderate SWly. winds. Cloudy, occasional drizzling rain. Moderate temperature.	
19. S.E. Ireland 20. S.W. Ireland	Same as Nos. 7 to 10	

SYNOPTIC CHART FOR MORNING OF Friday, 18th April, 1919.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
LOW
1005mb
1010mb
29.68in
29.83in
29.97in
30.12in
30.27in
HIGH
Barometer
Rising
Wireless Reports
1025mb
1020mb
1015mb
LOW
Scale of Surface Visibility.
Objects not visible beyond 200 metres
500 (545 yards)
1,000 (0·6 mile)
2,000 (1·2 miles)
4,000 (2·4 ")
7,000 (4·3 ")
12,000 (7·5 ")
20,000 (12·4 ")
30,000 (18·6 ")
Objects visible beyond 30,000 metres. (18·6 miles)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 108B { FRIDAY, 18th APRIL

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

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 16th.	Rainfall. Day. 9h-17h. 17th.	Sunshine. to 17h. 17th.	Sunshine. Sunrise to Sunset. 16th.
Scotland.	Banff	or	ro	57	35	4	2	0·0	1·8
	St. Andrews	o	obcb	58	36	Trace	–	1·2	2·4
	Montrose.	–	–	56	35	3	2	0·1	4·3
England, N.E.	Harrogate	bc	op	48	35	Trace	1	0·5	1·9
	Skegness								
England, E.	Felixstowe	bc	bco	54	39	–	–	4·9	1·6
	Walton-on-Naze								
	Southend-on-Sea	ocbcz	oz	55	40	–	?	4·2	4·0
England, S.E.	Margate	–	–						
	Ramsgate	bc	bc	52	43	Trace	–	4·3	0·1
	Hastings	opbcb	bbco	66	38	Trace	–	6·1	4·0
	Eastbourne	bco	o	56	40	–	–	4·3?	5·4
	Worthing	bbc	bcco	58	39	–	–	6·2	6·3
	Bournemouth	–	–	55	37	–	–	5·3	7·1
England, N.W.	Southport	ro	odo	49	41	Trace	Trace	0·0	4·2
Midlands.	Buxton								
	Leamington Spa	cbop	q	52	36	–	0·1	2·0	1·0
	Malvern								
	Ross-on-Wye	bcxco	c	53	33	–	–	1·4	2·8
Wales.	Rhyl								
	Colwyn Bay								
	Llandudno	o	op	51	40	–	1	0·0	3·8
	Aberystwyth	–	–	47	44	–	–	0·0	0·0
England, S.W.	Weymouth								
	Torquay	c·o	o·co	55	36	–	–	1·8	11·3
	Penzance	cbc	bcb	56	45	–	–	2·6	10·8
	Newquay								
	Weston-s-Mare	bcc	cp	50	42	–	–	1·3	4·5

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-13h. 17th	Weather 13h-18h. 17th	Weather 18h. 17th-1h. 18th	Weather 1h-7h. 18th	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)	r	pd f	coz	r of	48	36	*	*	*	*
Eskdalemuir	odm	pd am	ocorh	cf	52	37	43	1	Trace	0·0
†Stranraer	am d	dom	*	c	53	37	*	*	*	*
†Lough Foyle	d	d z	*	p	49	42	*	*	*	*
Valencia (Cahirciveen)	od	od	cgd	oz	54	50	50	–	–	0·0
†Anglesey (Llangefni)	rq	dq	co	oz	50	35	*	*	*	*
Falmouth	oq	co	bc	cw	55	43	38	–	–	0·8
†Calshot (Hants)	bcco	opo	opd	oc	54	37	*	*	*	*
†Capel (Folkestone)	zb	cpo	*	c	52	40	*	*	*	*
Aberdeen	om	om	ro	copo	57	40	46	3	1	0·1
†East Fortune	oy	coq	opd	cq	56	40	*	*	*	*
†Howden	*	fpo	*	wo	52	33	*	*	*	*
†Felixstowe	qpo	bcco	rf	dz	54	41	*	*	*	*
†Cranwell (Lincs)	*	odo	oom	obcc	52	47	*	*	*	*
Benson	*	bccpo	*	bcc	53	42	42	9·3		–
London (Kew Obsy.)	o	od	o	om	54	40	46	–	Trace	4·8

BEAUFORT NOTATION.

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.
e wet air without rain falling.
f fog. g gloom.
h hail. l lightning.
m mist.
o overcast sky.
p passing showers.
q squalls.
r rain.
rs sleet, *i.e.*, rain and snow together.
s snow.
t thunder.
u ugly, threatening sky.
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.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Limits of Velocity. 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	10·8–13·9
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	28·5–32·6
12	Above 75	32·6 or above

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

LONDON. OBSERVATIONS.

24 HOURS ENDED 9h G.M.T. ... 18th

	Weather. Morning	Weather. Afternoon.	Weather. Night	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours. Yesterday.	Humidity % 15 h. G.M.T. Yesterday.	Humidity % 9 h. G.M.T. To-day.
Greenwich (Royal Observatory)	oc	bc	bc	57	48	45	Trace	3·3	65	74
City (Bunhill Row)	*	*	*	*	*	*	*	2·9	*	*
Westminster (St. James's Park)	*	*	*	53	49	46	Trace	3·7	75	75
,, (Admiralty Arch)	bcm	cpo	ocbc	57	48	*	0·3	3·1	69	76
Camden Sq. (British Rainfall)			*	53	42	46	Trace	3·6	65	70
Kensington Palace	c	bc	*	53	43	46	0·4	*	–	75
Richmond Park	*	*	*	*	*	*	*	*	*	*

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total ....1059..... Joules.

Average Rate. 21·7 Milliwatts.

Maximum Rate. 75 ,,

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

18th & 19th April ..... 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4·51 4·49	11·52 11·52	6·53 6·54
Greenwich	51 4·59	11·59 11·59	6·58 6·59
Wick	4·55 4·52	12·11 12·11	7·28 7·30
Valencia	5·41 5·39	12·40 12·40	7·40 7·41

NOTES ON THE WEATHER OF YESTERDAY.

Moderate sunshine measurements were recorded in the south and south-east of England, the longest duration being 7,8 hours at Jersey. In other parts the day was dull. Slight rain fell generally; the only considerable measurement was 10 mm. at Lerwick. Temperature rose to about 50° or 55° in most districts.

† Air Ministry Station

* Information for these columns not usually received.

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METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No. 29,967B. ...SATURDAY., 19TH APRIL. 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud Form	Upper Cloud Amt. 0-10.	Sea 0-9.
	13H G.M.T. of 18TH													
†Houton B. (Orkney)	1019.7	+2	WSW	6	48	o	97	7	½-1000	St	10	-	-	4
Eskdalemuir ...	1027.1	+3	SW	4	51	om.	82	5	2-3000	St	10	-	-	*
†Stranraer ...	1028.6	+3	-	0	56	c	82	7	2-3000	St	6	Ci-st	1	*
†Lough Foyle ...	1028.3	+1	WSW	3	51	c	92	6	2-3000	Cu	3	Ci-cu	3	4
Valencia (Cahirc'n)	1030.9	+3	SW	4	54	o	97	7	½-1000	St	10	-	-	3
†Anglesey (Llangefni)	1030.1	+1	SW	2	56	c	92	8	1½-2000	Fr-cu	8	-	-	2
Falmouth ...	1031.9	+1	S	2	55	c2	87	5	-	St-cu	6	Ci-cu	2	*
†Calshot (Hants) ...	1033.7	?	SSW	2	57	c	-	9	-	-	-	-	-	4
†Capel (Folkestone)	1031.4	+2	-	0	50	om.	97	4	<500	St	10	-	-	1
Aberdeen ...	1021.8	+3	SW	3	71	byr	45	8	-	-	-	A-cu	2	2
†East Fortune ...	1025.9	+2	W	4	56	o	[illegible]	5	1½-2000	St-cu	8	-	-	*
†Howden ...	1028.2	+2	WSW	3	62	c	75	3	4-5000	St.	4	A-c	3	*
†Felixstowe ...	1029.7	+1	SSE	1	55	c	92	5	2-3000	St-cu	7	-	-	2
†Cranwell (Lincs)														*
Benson ...	1029.0	0	WSW	1	64	c	65	7	-	-	-	-	-	*
London (Kew Ob.)	1029.3	0	NW	1	63	c	65	5	-	Cu	2	A-cu	5	*
	1H G.M.T. of 19TH													
†Houton B. (Orkney)	1020.6	-1	W	7	49	o	92	6	2-3000	St-cu	10	-	-	-
Eskdalemuir ...	1029.9	+1	S	2	47	om.	97	3	1-1000	St	10	-	-	*
†Stranraer ...														*
†Lough Foyle ...														
Valencia (Cahirc'n)	1032.5	+3	SSE	2	50	o	-	-	-	-	-	-	-	3
†Anglesey (Llangefni)	1031.6	0	-	0	44	c	97	3	5-7000	St-cu	8	-	-	0
Falmouth ...	1031.9	0	NNW	3	48	afe	97	1	-	St.	10	-	-	*
†Calshot (Hants) ...	1030.2	0	NNW	2	49	b.	97	7	-	-	-	-	-	2
†Capel (Folkestone)														
Aberdeen ...	1023.7	0	W	1	49	b	92	5	4-5000	St	3	-	-	*
†East Fortune ...	1027.4	0	W	2	52	o	92	-	3-4000	St-cu	8	-	-	*
†Howden ...														*
†Felixstowe ...	1030.9	0	-	0	48	f	97	-	-	-	-	-	-	2
†Cranwell (Lincs)	1031.0	0	NW	1	50	o	92	4	3-4000	St.	8	A-st.	3	*
Benson ...														*
London (Kew Ob.)	1029.9	0	-	0	57	b	-	-	-	-	-	-	-	*

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud Form	Upper Cloud Amt. 0-10.	Sea 0-9.
	18H G.M.T. of 18TH													
†Houton B. (Orkney)	1020.0	+1	WSW	6	49	d.	97	6	2-3000	St.	10	-	-	4
Eskdalemuir ...	1027.8	+1	SW	5	55	c2	75	6	3-4000	Cu-nb	6	A-cu	1	*
†Stranraer ...	1028.7	+1	-	0	51	ov	92	8	2-3000	St	10	-	-	*
†Lough Foyle ...	1029.1	+1	WSW	4	49	o	97	5	2-3000	Cu	8	-	-	4
Valencia (Cahirc'n)	1033.1	0	S	4	53	o	87	7	1½-2000	St-cu	9	-	-	3
†Anglesey (Llangefni)	1030.6	+1	SW	1	53	c	92	8	3-4000	St-cu	2	A-cu	6	2
Falmouth ...	1031.4	0	NNW	3	54	c2	-	-	-	-	-	-	-	*
†Calshot (Hants) ...	1029.6	-1	WSW	3	59	c	92	8	5-7000	Cu	5	Ci-cu	3	3
†Capel (Folkestone)	1030.0	0	-	0	51	b.0	92	4	4-5000	-	-	Ci.	1	2
Aberdeen ...	1023.6	+2	WSW	3	65	cy	45	7	-	St-cu	7	-	-	2
†East Fortune ...	1027.2	+2	W	2	57	o2z	82	5	2-3000	St-cu	5	A-cu	4	*
†Howden ...	1028.6	+1	W	3	60	c	65	6	4-5000	St-cu	2	Ci-st.	5	*
†Felixstowe ...	1029.5	0	SSE	1	59	c2	97	4	-	St-cu	4	Ci-st	3	2
†Cranwell (Lincs)	[illegible]	+1	N	1	60	bc2	87	5	2-3000	St.	5	Fa-ci	1	*
Benson ...	1028.6	-1	W	1	64	c	65	7	-	Cu	5	-	-	*
London (Kew Ob.)	1028.5	0	NW	1	66	bc	55	7	-	-	-	A-cu	4	*
	7H G.M.T. of 19TH													
†Houton B. (Orkney)	1019.5	-2	W	8	46	om	97	4	½-1000	St	10	-	-	5
Eskdalemuir ...	1029.9	+1	W	4	49	o	65	8	-	St	10	-	-	*
†Stranraer ...	1030.0	+2	W	2	51	b	87	8	2-3000	St	10	-	-	*
†Lough Foyle ...	1031.1	+1	SW	4	48	d	97	4	½-1000	Nb	8	-	-	4
Valencia (Cahirc'n)	1033.7	+3	-	0	49	c	97	8	<500	Cu	6	A-cu	1	3
†Anglesey (Llangefni)	1032.7	+2	-	0	46	o	92	8	4-500	St-cu	10	-	0	5
Falmouth ...	1031.5	0	N	3	45	bw	97	7	-	-	-	-	-	*
†Calshot (Hants) ...	1031.0	+1	-	0	49	b	97	3	4-5000	Cu	3	-	-	6
†Capel (Folkestone)	1030.2	+1	-	0	52	b	92	5	-	-	-	A-St	3	2
Aberdeen ...	1024.3	0	S	2	55	b	65	7	-	-	-	Cu-St	1	2
†East Fortune ...	1029.9	+1	W	4	49	o	65	8	-	St	10	-	-	*
†Howden ...	1031.1	+1	-	0	41	f	97	1	-	-	-	A-St	4	*
†Felixstowe ...	1031.6	+1	-	0	55	bz	97	2	-	-	-	-	-	2
†Cranwell (Lincs)	1031.4	0	NNW	1	52	b	87	3	3-4000	St	2	Cu	1	*
Benson ...	1031.1	+2	-	0	45	of	97	0	-	-	-	-	-	*
London (Kew Ob.)	1031.3	+2	NNE	1	54	of	87	2	-	St-cu	6	A-cu	3	*

STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. m b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather	Barometer. at M.S.L. m.b.	Barometer. ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.
	18H G.M.T. of 18TH					7H G.M.T. of 19TH								
Lerwick ...	1017.9	47	SW	4	omd	1017.0	-1	46	-1	SW	5	-	md	4
Stornoway ...	1022.3	51	SW	5	odfq	1024.3	+3	49	-2	WNW	4	-	op	3
Castlebay (Barra Is)	1023.3	43	SW	4	oeg	1027.0	+1	48	0	W	4	-	df	4
Glasgow ...	1027.4	55	SW	3	og	1029.4	+1	50	+1	WSW	3	-	o	*
Malin Head ...	1026.3	52	WSW	3	cm	1029.1	+2	49	0	SW	3	-	om	3
Blacksod Point	1028.6	50	SSW	4	om	1031.4	+2	44	-4	SSW	3	-	of	4
Roche's Point ...	1030.9	52	SW	3	o	1032.7	+1	49	0	NNW	1	-	o	1
Rhu Castle ...	1029.5	57	WSW	1	o	1032.7	*	50	-2	W	1	E	c	*
Donaghadee ...	1028.1	56	W	2	ogm	1030.9	+2	52	+1	WSW	2	-	ogm	1
Liverpool (Bidston)	1030.0	52	NW	1	o	1031.9	+1	47	-3	-	0	-	bem	0
Holyhead ...	1030.3	51	SW	4	b	1032.2	+1	47	0	-	0	-	oz	0
Pembroke (St. Ann's Head)	1031.7	47	WSW	2	f	1032.7	+2	45	-2	NW	1	-	bf	1
Scilly (St. Mary's)	1032.5	51	NW	2	c	1032.0	0	46	-3	NNE	2	-	f	4
Jersey (St. Aubin)	1030.7	50	WNW	2	om	1029.7	0	51	-3	N	2	-	b	-
Portland Bill ...	1030.3	52	NW	2	bc	1030.0	0	54	+8	NNE	4	-	bc	3
Dungeness ...	1029.0	50	WSW	2	b	1030.1	+1	49	+1	NE	2	-	b	2
Wick	1021.6	56	W	3	bc	1021.7	0	53	0	W	4	-	og	2
Stornoway	1021.7	56	SW	4	bc	1023.7	*	53	+1	W	4	-	cgq	2
Leith	1026.5	58	W	2	o	1028.0	0	53	+1	W	2	W	c	2
Tynemouth ...	1026.5	60	WNW	2	bm	1029.1	+1	50	-2	W	2	-	f	3
Spurn Head ...	1028.6	53	WNW	3	c	1031.2	+2	46	-2	WNW	3	-	bf	2
Yarmouth (Gorleston)	1028.1	50	SSW	2	bc	1029.9	0	46	-4	NNW	2	-	bcf	2
Clacton-on-Sea	1028.8	51	SSE	2	bc	1030.5	+2	51	-2	SSE	1	-	bc	0
Nottingham ...	1028.0	62	NW	2	bz	1031.8	*	53	+4	W	1	W	o	*

STATIONS.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	24 HOURS ENDED 7H. 19TH						18TH
Lerwick ...	2	49	45	om	fe	omd	*
Stornoway ...	4	53	49	odfq	odfq	op	0.0
Castlebay (Barra Is)	1	49	48	def.	ef	ef.df	0.0
Glasgow ...	1	57	49	smd.c	c	odh.om	1.9
Malin Head ...	0.2	53	47	co	co	orm	4.1
Blacksod Point	-	53	44	bem	om	omg	*
Roche's Point ...		52	48	ofe	fe o	o.b.b	*
Rhu Castle ...	-	58	49	o	o	o.c	0.0
Donaghadee ...	-	61	50	om.bcq	bc vv	ogm	*
Liverpool (Bidston)	-	55	47	b	bc.o	o.bem	6.7
Holyhead ...	-	54	43	c.bc.uf	of.cf.b	bf.c.o	4.9
Pembroke (St. Ann's Head)	0.3	50	39	f	f	f	0.0
Scilly (St. Mary's)	Trace	56	45	omfc	c	fc	1.8
Jersey (St. Aubin)	-	55	46	c.bc	bc.b.om	om.bw	8.7
Portland Bill ...	-	54	46	bc.b	b	b.bc	*
Dungeness ...	-	55	41	c	c.b.	bc.fc	*
Wick	-	61	47	omg	omgfc	bc.c.og	*
Stornoway	-	62	50	bcq	bc.cgq	cg	4.1
Leith	-	61	51	o.cu.bc	bc.cu.o	og.om.c	*
Tynemouth ...	-	64	46	bm.	bm.	bem.f	*
Spurn Head ...	-	58	45	bc.	bc.om	bm.f	5.6
Yarmouth (Gorleston)	-	60	45	om.cm	om.bem	om.bf	8.9
Clacton-on-Sea	-	58	47	og.om	c.bem	bem	3.8
Nottingham ...	-	68	49	bc.b	bm	b	9.3

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARY OF CONDITIONS AT 7 A.M. Saturday, 19th April, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Light variable	Mild	Variable sky, light fog locally.	Poor	Slight
2. E. England	"	Moderate	Fair; light fog locally.	"	Smooth
3. E. Midlands	"	Mild	Overcast, light fog "	V.poor	–
4. W. Midlands	"	Moderate	" " " "	"	–
5. S.W. England	NNE. 5-10	"	Fair, local fog.	Variable	Slight
6. South Wales	NW. 2	"	Fine, local fog	–	Smooth
7. North Wales	Calm	"	Overcast, hazy.	V.good	Calm.
8. N.W. England	Calm.	"	Fair, mist locally.	–	Calm
9. N. Midlands	Calm	"	" "	V.good	–
10. N.E. England	Calm to W. 10	Mild	Fine, much fog	V.poor	Slight
11. E. Scotland	W. 5-15	V.mild	Cloudy, fine locally	Good	Slight
12. S.W. Scotland	WSW. 10-15	"	Overcast.	V.good	"
13. Isle of Man	"	"	"	"	"
14. N.&N.W.Scotland	W. 15	"	"	–	"
15. Hebrides	W. 15	Mild	Overcast, fog & drizzle	"	Mod.
16. Orkneys and Shetlands	SW-W. 20-40	Mod.	Overcast, mist & drizzle	Indiff.	"
17. N.W. Ireland	SW. 10-15	"	Overcast, drizzle and fog.	"	"
18. N.E. Ireland	SW-WSW. 5-10	Mild	Overcast, misty.	–	Calm
19. S.E. Ireland	W. 2	"	Cloudy	–	–
20. S.W. Ireland	Light variable	Mod.	Cloudy to overcast.	V.good	Smooth

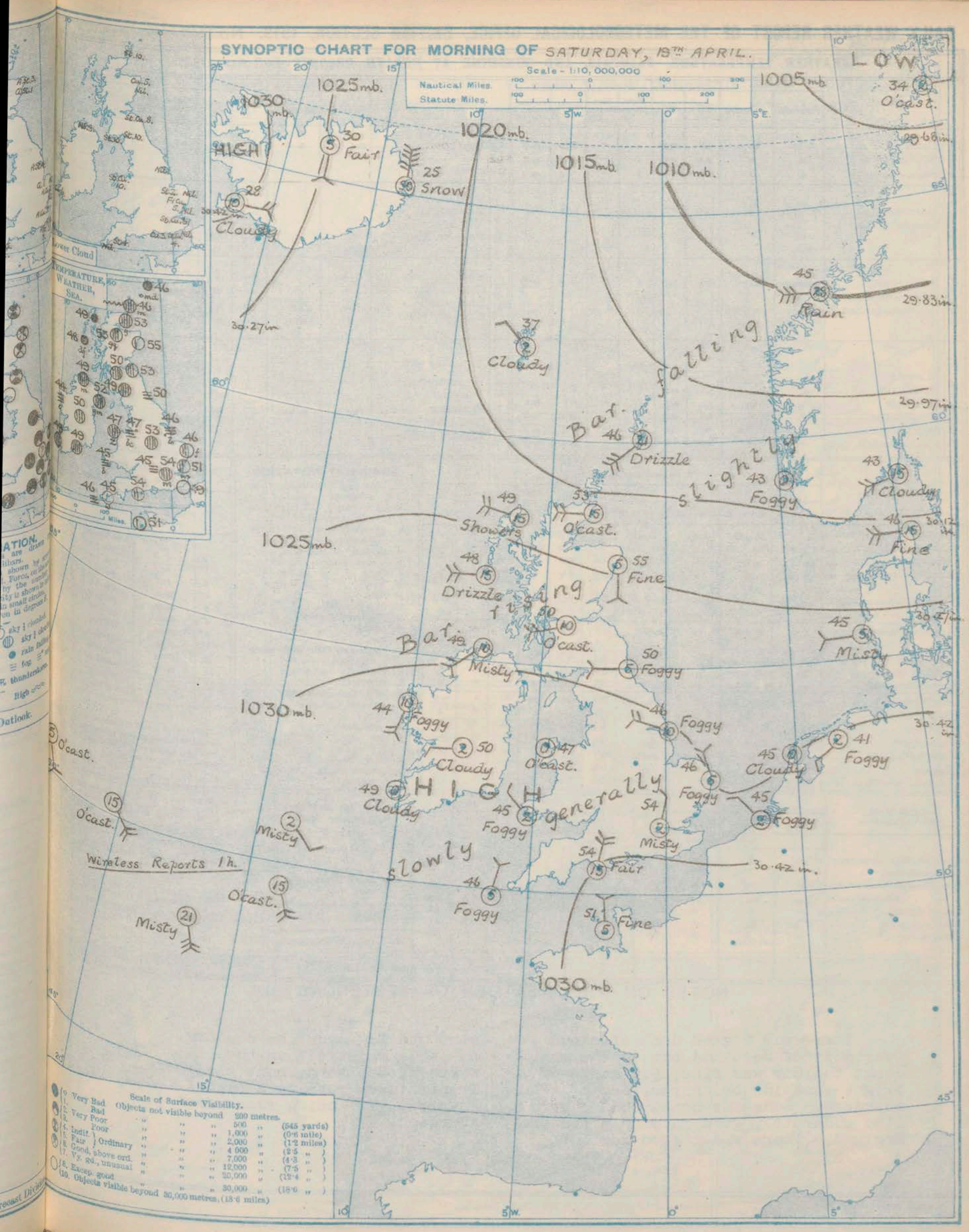
EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS.—clear sky. sky ½ clouded. sky ¾ clouded. overcast sky. rain falling. snow. hail. fog. T thunder. R. thunderstorm.
SEA DISTURBANCE.—Rough. High seas.

GENERAL INFERENCE from observations received up to 10 a.m.

The anticyclone over England and Ireland is spreading slowly northward and a depression to the north of Scotland is passing away eastward. Fair conditions are likely to be maintained over most of the country.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Saturday, 19th April, 1919	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	Light breezes mainly between N. and E. Fair or fine with mist and fog locally. Rather warm in day.	
8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Moderate W. winds. Cloudy, some mist. Moderate temperature.	
14. N.&N.W.Scotland 15. Hebrides 16 Orkneys and Shetlands	Fresh W.-NW. winds. Cloudy, occasional drizzling rain, then improving. Moderate temperature or rather cool.	
17. N.W. Ireland 18. N E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Light variable breezes. Fair generally. Local mist and fog. Moderate temperature. Rather warm in day.	

Meteorological Office, Exhibition Road, London, S.W. 7. H. G. LYONS, Col., Director. R. G. K. LEMPFERT, C.B.E., Superintendent Forecast Division.


SYNOPTIC CHART FOR MORNING OF SATURDAY, 13TH APRIL.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
LOW
1005 mb.
34 O'cast.
29.66 in.
1030 mb.
HIGH
1025 mb.
30 Fair
25 Snow
28 Cloudy
30.27 in.
1020 mb.
1015 mb.
1010 mb.
45 Rain
29.83 in.
37 Cloudy
falling
29.97 in.
Bar.
46 Drizzle
slightly
43 Foggy
43 Cloudy
49 Showers
53 O'cast.
46 Fine
30.12 in.
1025 mb.
48 Drizzle
55 Fine
rising
50 O'cast.
45 Misty
Bar.
49 Misty
50 Foggy
30.47 in.
1030 mb.
44 Foggy
46 Foggy
30.42 in.
50 Cloudy
47 O'cast.
45 Cloudy
41 Foggy
46 Foggy
45 Foggy
49 Cloudy
HIGH
generally
45 Foggy
54 Misty
O'cast.
Misty
slowly
54 Fair
30.42 in.
Wireless Reports 1h.
46 Foggy
O'cast.
Misty
51 Fine
1030 mb.
Scale of Surface Visibility.
9. Very Bad
1. Bad
Objects not visible beyond 200 metres.
2. Very Poor " " " 500 " (545 yards)
3. Poor " " " 1,000 " (0·6 mile)
4. Indif. } Ordinary " " " 2,000 " (1·2 miles)
5. Fair } " " " 4,000 " (2·5 ")
6. Good, above ord. " " " 7,000 " (4·3 ")
7. Vy. gd., unusual " " " 12,000 " (7·5 ")
8. Excep. good " " " 20,000 " (12·4 ")
10. Objects visible beyond 30,000 metres. (18·6 miles)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 109B

SATURDAY 19TH APRIL

WEATHER TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR APRIL 18TH

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 17th	Rainfall. Day. 9h-17h. 18th	Sunshine. to 17h. 18th	Sunshine. to Sunset. 17th
Scotland.	Banff	c.bc	bc.c.	67	42	-	-	7.5	0.0
	St. Andrews ...	*	*	64	49	-	-	8.0	1.2
	MONTROSE	*	*	66	49	1	-	7.2	0.1
England, N.E.	Harrogate	c.bc.b	b.	60	42	Trace	-	6.8	0.5
	Skegness								
England, E.	Felixstowe	cm.bcm	bcm.	58	43	1	-	5.0	4.9
	Walton-on-Naze...								
	Southend-on-Sea...								
England, S.E.	Margate								
	Ramsgate	*	*	57	45	?	-	2.1	*
	Hastings	or.bc.b	bc	59	47	1	-	1.7	6.1
	Eastbourne... ...	*	*	61	46	-	-	0.2	4.3
	Worthing	c.	c.bc	60	46	-	-	1.8	6.2
	Bournemouth ...	*	*	65	45	-	-	3.0	6.3
England, N.W.	Southport	o.c.bc.c	c.o.	53	47	-	-	?	0.0
Midlands.	Buxton								
	Leamington Spa...								
	Malvern								
	Ross-on-Wye ...	b	b	69	42	-	-	9.6	1.6
Wales.	Rhyl	c.bc.	c.	54	47	-	-	5.0	?
	Colwyn Bay ...	*	*	61	51	Trace	-	6.2	*
	Llandudno	bc	bc	59	48	-	-	6.7	0.0
	Aberystwyth ...	*	*	50	45	*	*	1.3	0.0
England, S.W.	Weymouth								
	Torquay								
	Penzance	bc.c.	c.bc	57	47	-	-	2.0	3.3
	Newquay								
	Weston-s-Mare ...								

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-13h. 18th	Weather 13h-18h. 18th	Weather 18h-1h. 19th	Weather 1h-7h. 19th	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)...	c.f2	d.o.c	cy	o2	50	38	*	*	*	*
Eskdalemuir	of.om.	bc.c2.	bc2.om	om.o.bc	6[illegible]	46	45	Trace	-	0.0
†Stranraer	bc.c.2.	c.o	*	c	62	50	*	*	*	*
†Lough Foyle	bc.cq.	c	*	c.o	54	46	*	*	*	*
Valencia (Cahirciveen) ...	pd.o.o.	c	om.	c.c.o	55	45	42	Trace	-	0.3
†Anglesey (Llangefni) ...	c.o	c.ov.	b.bc.w	c	57	42	*	*	*	*
Falmouth	c.o.bc.	c2.o.c2	ofc.	ofc.cw	53	43	40	-	-	3.9
†Calshot (Hants)	bc.c	b.bc.	b	bc.c	64	45	*	*	*	*
†Capel (Folkestone)... ...	o2.	2.b.bc	*	b.bc2	55	44	*	*	*	*
Aberdeen	by.v.	b.bc.bq	*	c.bc.bw	71	46	34	-	-	9.8
†East Fortune	cq.	c.oy.	c.o	bc.c2	57	?	*	*	*	*
†Howden	*	b.bc.D	*	f2	62	34	*	*	*	*
†Felixstowe	c.o2.	bc.c.D	b.o2.	f1	59	45	*	*	*	*
†Cranwell (Lincs) ...		c.bc.c	c.om.	om2	67	42	*	*	*	*
Beason	bc	bc	*	b5	66	40	35	-	-	*
London (new Obsy.) ...	bc.c	bc.c.bc	b	bc.b.bcom	67	48	39	-	-	7.9

BEAUFORT NOTATION.

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.
e wet air without rain falling.
f fog. g gloom.
h hail. l lightning.
m mist.
o overcast sky.
p passing showers.
q squalls.
r rain.
rs sleet, *i.e.*, rain and snow together.
s snow.
t thunder.
u ugly, threatening sky.
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.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Limits of Velocity. 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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0 = slight, 2 = heavy. Underlining is used to express continuity.

LONDON. OBSERVATIONS.

24 HOURS ENDED 9H G.M.T. ...19TH...

	Weather. Morning	Weather. Afternoon.	Weather. Night.	Max. Temp. °F.	Min. Temp °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours. (Yesterday.)	Humidity % 15 h. G.M.T. (Yesterday.)	Humidity % 9 h. G.M.T. (To-day.)
Greenwich (Royal Observatory)	bc	c.	bc	67	49	37	-	3.6	61	74
City (Bunhill Row)	*	*	*	*	*	*	*		*	*
Westminster (St. James's Park)	*	*	*	65	55	44	-		71	70
" (Admiralty Arch)	bm	bc	bcm	69	54	*	-	5.3	56	68
Camden Sq. (British Rainfall)	*	*	*	70	51	45	-	6.8	*	68
Kensington Palace	b.bc	bc	*	65	51	40	-	*	72	81
Richmond Park	*	*	*	*	*	*	*		*	*

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total ...1281..... Joules.

Average Rate. 27·5 Milliwatts.

Maximum Rate. 67 ..

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

19TH AND 20TH APRIL 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth...	4.49	11.52	6.54
	4.47.	11.52	6.56
Greenwich	4.59	11.59	6.59
	4.57	11.59	7.1
Wick ...	4.52	12.11	7.30
	4.50	12.11	7.32
Valencia ...	5.39	12.40	7.41
	5.37	12.40	7.42

NOTES ON THE WEATHER OF YESTERDAY.

There was a good deal of cloud over most of Scotland but on the east coast the day was fine, 9.8 hours of bright sunshine being recorded at Aberdeen. Sunshine measurements were also moderately good in many parts of England. There was a good deal of mist and fog over the country. A little rain fell in the north of Scotland, none elsewhere. Temperatures rose to a high level, 71° being reached at Aberdeen.

† Air Ministry Station

* Information for these columns not usually received.

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METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No. 29,968 B ... SUNDAY, 20TH APRIL ... 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	Humidity. %	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud Form.	Low Cloud Amt. 0-10.	Upper Cloud Form	Upper Cloud Amt. 0-10.	Sea 0-9.
	13H. G.M.T. of 19TH													
†Houton B. (Orkney)	1027.5	+6	NNW	8	44	c	98	8	4-5000	Cu	8	-	-	4
Eskdalemuir ...	1030.0	+1	W	4	57	o	75	5	3-4000	St-cu	9	-	-	*
†Stranraer ...	1031.5	+2	WSW	3	58	ov	98	10						*
†Lough Foyle ...	1034.0	+5	NW	4	48	od.	98	10	<500	Nb	10	-	-	4
Valencia (Cahirc'n)	1034.6	+1	NW	2	55	c	75	10	2-3000	Cu	5	Ci-st	2	4
†Anglesey (Llangefni)	1032.6	-1	-	0	57	o	75	8	4-5000	St-cu	10	-	-	2
Falmouth ...	1030.6	-1	NNW	3	63	b	65	7	-	-	-	-	-	*
†Calshot (Hants) ...	1030.4	-1	S	1	66	2	75	1	4-5000	St-cu	8	-	-	2
†Capel (Folkestone)	1030.0	-1	NNE	3	60	c	75	5	2-3000	St-cu	7	-	-	3
Aberdeen ...	1028.6	+7	NW	6	50	o	75	8	-	Cu	8	Ci-cu	1	3
†East Fortune ...	1029.1	+1	W	5	55	oq	82	6	2-3000	St-cu	9	-	-	*
†Howden ...	1030.7	+4	WNW	4	61	o	55	6	3-4000	St-cu	10	-	-	*
†Felixstowe ...	1030.7	+2	E	2	53	o2	82	3	2-3000	Cu	10	-	-	3
†Cranwell (Lincs)														*
Beason ...	1030.4	-1	NNE	2	64	c	65	6	-	-	-	-	-	*
London (Kew Ob.)	1030.1	-1	NE	3	66	bc	55	6	-	Cu	4	-	-	*
	1H. G.M.T. of 19TH													
†Houton B. (Orkney)	1037.1	+1	WNW	7	38	o	75	6	3-4000	St-cu	10	-	-	5
Eskdalemuir ...	1038.6	+2	N	2	36	b	82	7	-	-	-	-	-	*
†Stranraer ...														
†Lough Foyle ...														
Valencia (Cahirc'n)	1035.3	0	NNW	2	53	bc	-	-	-	-	-	-		3
†Anglesey (Llangefni)	1034.0	0	NE	2	46	o	98	5	1-1500	St	10	-	-	3
Falmouth ...	1031.0	0	N	3	53	c	82	5	-	St	7	-	-	*
†Calshot (Hants) ...	1030.7	0	NNE	2	53	2c	92	4	4-5000	St	5	-	-	2
†Capel (Folkestone)														
Aberdeen ...														
†East Fortune ...	1033.1	+1	NE	3	38	b	82	3	-	-	-	-	-	*
†Howden ...														*
†Felixstowe ...														
†Cranwell (Lincs)	1034.2	+2	NE	4	45	o	92	4	1½-2000	St	10	-	-	*
Beason ...														*
London (Kew Ob.)	1030.8	0	N	1	58	o	-	-	-	-	-	-	-	*

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	Humidity. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud Form	Upper Cloud Amt. 0-10.	Sea 0-9.
	18H. G.M.T. of 19TH													
†Houton B. (Orkney)	1033.7	+8	N	7	39	c	75	6	4-5000	St-cu	8	-	-	4
Eskdalemuir ...	1031.1	+2	NNW	3	54	c	75	7	-	Cu-nb	7	Ci-cu	3	*
†Stranraer ...	1032.8	+1	NNW	4	50	bc	82	8	1½-2000	St-cu	2	Ci-st	3	*
†Lough Foyle ...	1037.2	+3	N	4	45	b	92	6	-	Cu	2	-	-	4
Valencia (Cahirc'n)	1034.1	0	NNE	3	56	bc	75	10	1½-2000	Cu	2	Ci-cu	2	3
†Anglesey (Llangefni)	1032.5	0	NNW	3	57	c	75	8	4-5000	St-cu	8	-	-	2
Falmouth ...	1030.2	0	NNW	3	56	bz	-	-	-	-	-	-	-	*
†Calshot (Hants) ...	1029.8	0	-	0	56	bc	98	4	5-7000	St-cu	4	A-st	1	3
†Capel (Folkestone)	1029.7	0	NE	3	53	c	92	5	3-4000	St-cu	6	-	-	2
Aberdeen ...	1033.3	+5	NNW	3	45	bc	55	8	-	St-cu	4	-	-	3
†East Fortune ...	1032.7	+5	E	3	45	od.	98	6	1-1500	Nb	10	-	-	*
†Howden ...	1030.4	0	W	2	58	c	75	6	3-4000	St-cu	7	Ci.	1	*
†Felixstowe ...	1030.4	0	E	1	50	om.	98	3	3-4000	Cu	10	-	-	3
†Cranwell (Lincs)	1030.5	0	N	2	57	b.	75	7	2-3000	St	3	-	-	*
Beason ...	1030.1	-1	NNE	2	62	o	75	4	-	St	10	-	-	*
London (Kew Ob.)	1029.8	0	N	2	64	om.	55	6	-	St-cu	9	-	-	*
	7H. G.M.T. of 19TH													
†Houton B. (Orkney)	1037.7	+1	WNW	6	40	o	75	8	3-4000	Stcu	9	-	-	4
Eskdalemuir ...	1040.6	+2	NNE	3	37	b	75	7	-	Cu	1	A-cu	-	*
†Stranraer ...	1040.0	+5	Calm	-	40	b	75	8	-	-	-	Ci-st	1	-
†Lough Foyle ...	1041.9	+3	ENE	2	43	b	87	6	-	-	-	A-st	6	2
Valencia (Cahirc'n)	1034.9	+2	E	3	53	b	82	8	½-1000	Cu	1	-	-	2
†Anglesey (Llangefni)	1036.6	+3	ENE	3	45	b	75	6	5-7000	Stcu	2	-	-	2
Falmouth ...	1032.2	+2	N	1	52	03	87	4	-	ND	9	-	-	*
†Calshot (Hants) ...	1033.8	+3	NE	5	48	o	92	6	1-1½00	St	10	-	-	4
†Capel (Folkestone)	1033.0	+3	NE	6	43	o	92	8	-	St	10	-	-	4
Aberdeen ...	1040.7	+2	NW	3	40	c	65	7	-	Stcu	8	-	-	2
†East Fortune ...	1040.4	+2	N	1	39	b	75	8	-	-	-	-	-	*
†Howden ...	1038.0	+6	NNE	2	42	cr	75	5	2-3000	Cu	8	-	-	*
†Felixstowe ...	1034.8	+2	NE	5	45	oq	97	3	1-1500	Acu	10	-	-	4
†Cranwell (Lincs)	1037.1	+3	NE	4	43	bc	87	6	4-5000	Cu	2	Ci	2	*
Beason ...	1034.3	+4	NNE	4	46	om.	87	5	-	Nb	9	-	-	*
London (Kew Ob.)	1034.6	+3	NE	4	46	o	75	5	-	Stcu	9	A-st	1	*

STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

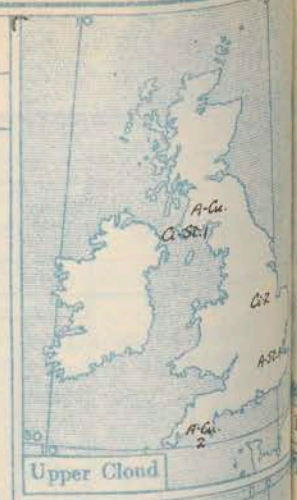
STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather	Barometer at M.S.L. m.b.	Barometer ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.
	18H. G.M.T. of 19TH					7H. G.M.T. of 20TH								
Lerwick ...	1031.6	39	NNW	5	omq.	1034.9	+4	40	-6	NW	4	-	c	3
Stornoway ...	1036.0	45	N	4	bc	1041.2	+2	41	-8	N	1	-	c	1
Castlebay (Barra Is)	1036.8	46	N	4	b	1041.7	+2	42	-6	N	2	-	bc	2
Glasgow ...	1032.3	52	ENE	2	c	1041.2	+3	37	-13	NE	1	-	b	*
Malin Head ...	1035.3	45	NNE	4	bc	1040.2	+2	43	-6	E	3	NE	bc	3
Blacksod Point	1035.2	47	NNE	4	ofe	1038.1	+1	40	-4	NE	4	-	bc3	3
Roche's Point ...	1033.2	54	SE	1	a	1035.7	+3	47	-2	E	3	-	o	3
Birr Castle ...	1033.4	56	W	1	o	1036.4	*	38	-12	NNE	1	-	o	*
Donaghadee ...	1033.6	48	N	4	cmq	1039.2	+3	42	-10	E	5	-	bcq	4
Liverpool (Bidston)	1033.2	52	WNW	2	b	1037.9	+4	44	-3	ENE	3	-	o	2
Holyhead ...	1032.5	53	NW	4	c	1036.7	+3	45	-2	E	5	-	b	4
Pembroke (St. Ann's Head)	1032.3	58	N	3	bv.	1034.8	+2	46	+1	NNE	3	NE	bc	2
Scilly (St. Mary's)	1031.2	52	NNE	3	b	1031.4	0	50	+4	ENE	3	E	bc	3
Jersey (St. Aubin)	1028.4	60	N	3	b	1030.8	+1	52	+1	N	3	N	bc	2
Portland Bill ...	1028.7	58	E	1	cm	1032.4	+2	50	-4	NE	6	NE	bc	4
Dungeness ...	1028.7	51	NE	3	b	1032.1	+3	46	-3	ENE	4	NE	c	4
Wick ...	1033.5	42	NNW	5	bc	1038.8	+1	40	-13	WNW	2	-	c	1
Nairn ...	1034.1	47	WNW	3	bc	1040.3	*	38	-15	W	1	-	bc	1
Leith ...	1032.1	46	E	2	o	1040.9	+2	39	-14	NE	1	-	b	2
Tynemouth ...	1031.8	45	NNW	2	omd	1037.5	+2	43	-7	NE	3	-	bcm	3
Spurn Head ...	1029.9	51	WNW	2	c	1036.6	+3	43	-3	NNE	4	-	bc	3
Yarmouth (Gorleston)	1029.2	52	NE	2	bc	1033.8	+3	44	-2	NE	5	-	bcm	5
Clacton-on-Sea	1029.7	51	ENE	2	c	1033.6	+4	46	-5	NNE	4	NE	cq	3
Nottingham ...	1031.1	58	NW	2	c	1037.8	*	43	-10	NE	3	NE	c	*

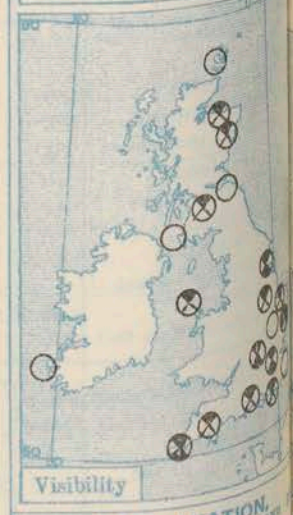
STATIONS.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	24 HOURS ENDED 7H. 20TH						1918.
Lerwick ...	3	47	35	cmp.	omqpk	cm	*
Stornoway ...	trace	49	37	bcq.	bc.	bc.c	8.4
Castlebay (Barra Is)	0.2	50	39	df. b.	b.	bc	7.5
Glasgow ...	0.3	56	32	omdp	omc	c.bc.bx	2.3
Malin Head ...	0.2	49	41	fe.	cm.	bc	3.0
Blacksod Point	0.4	49	38	ofe	ofe.	b3.bc3	*
Roche's Point ...	-	59	46	o	o.c.	c.b.o	*
Birr Castle ...	-	61	35	o.c	c.o	o	1.3
Donaghadee ...	-	60	40	ogm.cm	cgm	bcq.og	*
Liverpool (Bidston)	-	57	43	bc.o.	bc.b.	bc.o	7.7
Holyhead ...	trace	58	43	o.c	c.b.bc.	odp.o.b	2.7
Pembroke (St. Ann's Head)	-	63	44	bf.b.	bv.	bv.b.bc	12.8
Scilly (St. Mary's)	-	55	46	f.bc.b.	b	b.bc	10.1
Jersey (St. Aubin)	-	66	50	b	b	b.bc	11.5
Portland Bill ...	-	62	45	bcm.	bcm	c.bc	*
Dungeness ...	-	57	45	bc	c.bc.	c.bc.c	*
Wick ...	-	53	37	og.bc	bc	bc.og.c	*
Nairn ...	0.2	53	33	hq.c	c.bc	bcx	3.8
Leith ...	0.2	58	39	c.o.c.bc	bc.cp.o	od.c.b	*
Tynemouth ...	1	65	40	cm.	omp.	bcm	*
Spurn Head ...	-	58	40	bm c.	c.	cq.bcv	5.1
Yarmouth (Gorleston)	-	54	43	bcm.bc.	bcm	bcm.o	7.6
Clacton-on-Sea	-	58	45	bcm	bcm.c	c.o.cg	8.7
Nottingham ...	-	62	42	omc.	c.c.	c.o	1.2

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARY OF CONDITIONS AT 7 A.M. Sunday, 20th April, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	NNE-ENE. 15-28	Moderate	Overcast, mist locally.	V.good	Mod.
2. E. England	NNE-NE. 15-20	"	Cloudy to overcast, local mist.	"	"
3. E. Midlands	ENE-NE. 15	"	Variable cloud.	"	–
4. W. Midlands	ENE-NE. 5	"	" "	"	–
5. S.W. England	NE-N. 10-20	Mild	Variable cloud, mist locally	Good	Slight
6. South Wales	NNE. 10	Mod.	Fair	–	"
7. North Wales	ENE. 15-20	"	Fine	Good	"
8. N.W. England	ENE. 15	"	Overcast	–	Smooth
9. N. Midlands	NE. 10	"	Cloudy.	Ord.	–
10. N.E. England	NNE-NE. 10-15	"	Fair, local mist.	"	Slight
11. E. Scotland	WNW.-NNW. 5-10	"	Variable cloud.	V.good	Smooth
12. S.W. Scotland	Light variable	Cool.	Fine.	"	Slight
13. Isle of Man	"	"	"	"	"
14. N.&N.W. Scotland	W. 2-5	"	Fair to cloudy.	–	Smooth
15. Hebrides	N. 2-5	Mod.	" " "	–	"
16. Orkneys and Shetlands	NW-WNW. 15-28	"	Cloudy to overcast.	V.good	Mod.
17. N.W. Ireland	NE. 15	Cool	Fair; hazy.	–	Slight
18. N.E. Ireland	E. 10-20	Mod.	Fair.	Good	Mod.
19. S.E. Ireland	NNE. 2	Cool	Fine	–	–
20. S.W. Ireland	E. 10	Mild	Variable cloud.	V.good	Slight



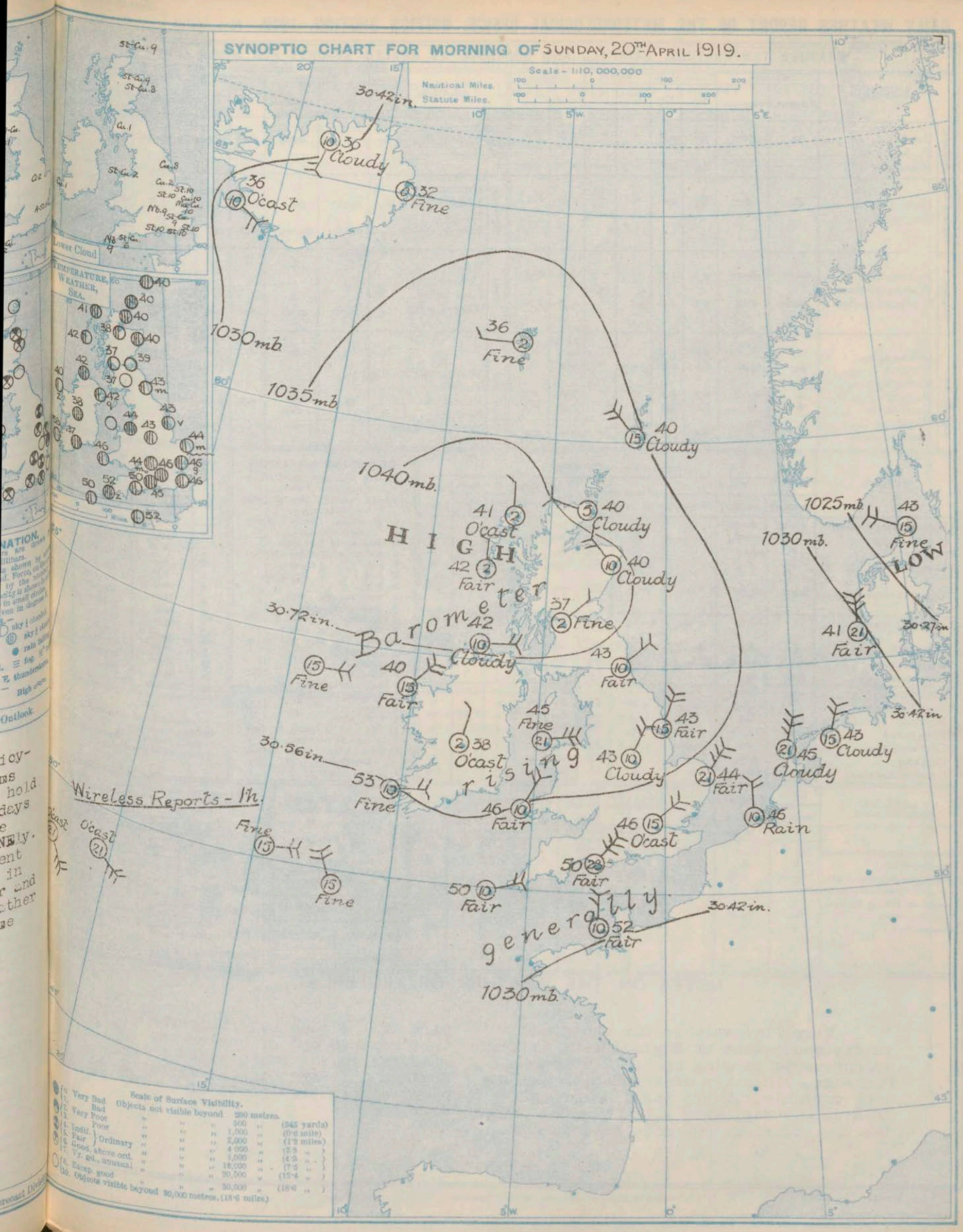


EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS.—clear sky. sky ½ clouded. overcast sky. snow. hail. T thunder. sky ¼ clouded. rain. fog. thunderstorm.
SEA DISTURBANCE.—Rough. High.

GENERAL INFERENCE from observations received up to 10 a.m.

An anticyclone which lies over the NE. Atlantic and Scotland is increasing in intensity and is likely to cause a continuance of fair weather over most of the British Isles.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Sunday, 20th April, 1919	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Moderate NE. winds, fresh at times. Cloudy. Rather cold today, warmer tomorrow.	The anticyclone seems likely to hold for some days and as the Nly. and NEly. wind current decreases in force fair and warmer weather will become general.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Moderate NE. winds, decreasing. Fair. Rather cold today, warmer tomorrow.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Light airs. Fair or cloudy. Rather cold, then milder.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Light or moderate Ely. winds. Fair. Moderate temperature.	


SYNOPTIC CHART FOR MORNING OF SUNDAY, 20TH APRIL 1919.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
Lower Cloud
TEMPERATURE, WEATHER, SEA.
HIGH
LOW
Barometer rising generally
Wireless Reports - 1h.
1030mb.
1035mb.
1040mb.
1025mb.
30·42in.
30·72in.
30·56in.
30·27in.
Scale of Surface Visibility.
0. Very Bad
1. Bad
2. Very Poor
3. Poor
4. Indif.
5. Fair
6. Good, above ord.
7. Vy. gd., unusual
8. Excep. good
9. Objects visible beyond 30,000 metres. (18·6 miles)
Objects not visible beyond 200 metres.
500 (545 yards)
1,000 (0·6 mile)
2,000 (1·2 miles)
4,000 (2·5)
7,000 (4·3)
12,000 (7·5)
20,000 (12·4)
30,000 (18·6)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 1108 (SUNDAY 20th APRIL)

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

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h.	Rainfall. Day. 9h-17h.	Sunshine. to 17h.	Sunshine. to Sunset.
Scotland.	Banff	co	cbc.	56	45	–	–	2·3	7·5
	St. Andrews ...								
	Montrose	–	–	66	48	–	–	3·7	7·2
England, N.E.	Harrogate	bc	bc.	59	46	–	–	1·9	8·2
	Skegness								
England, E.	Felixstowe	bcm	bcm	57	45	–	–	6·9	5·2
	Walton-on-Naze...								
	Southend-on-Sea...	ocbc	coz	67	50	–	–	6·7	0·0
England, S.E.	Littlehampton	–	–	68	44	–	–	4·8	0·0
	Margate	bc	bc	56	48	–	–	9·6	*
	Ramsgate								
	Hastings	b	bcb.	67	45	–	–	7·6	1·7
	Eastbourne... ...	b	b	64	42	–	–	7·3	0·2
	Worthing								
	Bournemouth ...	–	–	69	44	–	–	8·0	3·0
England, N.W.	Southport	o	ocb	55	44	–	–	1·7	?
Midlands.	Buxton	–	–	57	45	–	–	2·0	*
	Leamington Spa...	bco	bc	64	56	–	–	3·6	*
	Malvern								
	Ross-on-Wye ...	cmbc	bcmy	69	47	–	–	4·6	10·7
Wales.	Rhyl								
	Colwyn Bay ...								
	Llandudno								
	Aberystwyth ...	ocb	ocb	50	44	–	–	4·5	*
England, S.W.	Weymouth								
	Torquay								
	Penzance	b	b	63	45	–	–	11·2	2·0
	Newquay								
	Weston-s-Mare ...								

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-13h.	Weather 13h-18h.	Weather 18h-19h.	Weather 18h-7h.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h.	Rainfall. Night. 18h-7h.	Sun. Hours.
†Houton Bay (Orkney)...	copd₀	bccp₀	c.o	c	50	37	*	*	*	*
Eskdalemuir	o	upd₀	o.c.bc.b	b	59	30	26	–	–	1·5
†Stranraer	*	ubbc		b	59	34	*	*	*	*
†Lough Foyle	d,	c		b.bc	54	40	*	*	*	*
Valencia (Cahireiveen) ...	bcco	⊕ bcc	bc	bcv	58	49	45	–	–	7·8
†Anglesey (Llangefni) ...	c	bbc₀	o dp₀	bc.cq	59	41	*	*	*	*
Falmouth	b	bz	bc. c	c.o3	64	43	46	–	–	11·9
†Calshot (Hants)	bccz	bbcz,	b.bc.z	c.o	69	42	*	*	*	*
†Capel (Folkestone)... ...	bbc	bcc	–	c.o	69	46	*	*	*	*
Aberdeen	og	bbc.	–	–	64	37	29	–	–	6·4
†East Fortune	c.og	d.o	bc. c	v.x	59	32	*	*	*	*
†Howden	e₀f,	co	–	bc.cx	63	34	*	*	*	*
†Felixstowe	bbc	bbcz.	–	c.r₀	59	45	*	*	*	*
†Cranwell (Lincs) ...	ef, om,	co	bc.c.o	o.bc.c	63	41	*	*	*	*
Benson	*	bpc	–	–	67	44	43	–	–	*
London (Kew Obsy.) ...	bcy	bbcz,	o	o	67	46	45	–	–	6·4

BEAUFORT NOTATION.

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.
e wet air without rain falling.
f fog. g gloom.
h hail. l lightning.
m mist.
o overcast sky.
p passing showers.
q squalls.
r rain.
rs sleet, *i.e.*, rain and snow together.
s snow.
t thunder.
u ugly, threatening sky.
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.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Limits of Velocity. 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	28·5–33·6
12	Above 75	33·6 or above

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

LONDON. OBSERVATIONS.

24 HOURS ENDED 9H G.M.T. 20th

	Weather. Morning	Weather. Afternoon	Weather. Night	Max. Temp. °F.	Min. Temp °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours. (Yesterday.)	Humidity % 15 h. G.M.T. (Yesterday.)	Humidity % 9 h. G.M.T. (To-day.)
Greenwich (Royal Observatory)	b	c, o	o, dp	70	45	45	–	7·1	56	81
City (Bunhill Row)	*	*	*	*	*	*	*		*	*
Westminster (St. James's Park)	*	*	*							
" (Admiralty Arch)						*				
Camden Sq. (British Rainfall)	–	–	*	71	46	46	–		58	71
Kensington Palace	bc	bc.o	*	72	45	46	–	*		76
Richmond Park	*	*	*	*	*	*	*		*	*

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total ..... Joules.

Average Rate. Milliwatts. –

Maximum Rate. –

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

20th & 21st April 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth ...	4·47	11·52	6·56
	4·45	11·52	6·58
Greenwich	4·57	11·59	7·1
	4·55	11·59	7·3
Wick ...	4·50	12.11	7·34
	4·47	12.11	7·42
Valencia ...	5·37	12.40	7·44
	5·35	12.40	

NOTES ON THE WEATHER OF YESTERDAY.

Very fine weather was experienced in the south-west of England with sunshine measurements ranging up to 12.8 hours at Pembroke. In other districts the sky was more variable. There was a good deal of mist and fog early which cleared during the day. Scarcely any rain fell in any part of the country. Temperature reached 69° at one or two stations in the south-east of England. It fell to the freezing point at night in parts of Scotland.

† Air Ministry Station

* Information for these columns not usually received.

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METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No. 20,969B. MONDAY 21st APRIL 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form.	Upper Cloud. Amt. 0-10.	Sea 0-9.
	13H. G.M.T. of 20th APRIL													
†Houton B. (Orkney)	1039.8	+1	NNW	5	43	bc	65	6	3-4000	Fr.cu	3	Ci-st	2	3
Eskdalemuir ...	1040.8	0	NE	3	47	by	55	7	-	Fr.cu	1	-	-	*
†Stranraer ...	1040.9	+1	SSE	2	48	b	65	8	3-4000	Fr.cu	1	-	-	*
†Lough Foyle ...	1041.9	0	E	4	45	b	92	6	-	-	-	-	-	3
Valencia (Cahirc'n)	1036.2	+1	SW	3	59	bc	75	10	3-4000	Cu	4	Ci-cu	1	3
†Anglesey (Llangefni)	1038.5	+2	ENE	5	49	b	65	5	-	-	-	Ci.st	1	5
Falmouth ...	1035.1	+3	ESE	3	53	cm	82	5	-	St-cu	7	-	-	*
†Calshot (Hants) ...	1036.0	0	NE	5	53	b	75	5	3-4000	St-cu	9	-	-	6
†Capel (Folkestone)	1035.6	+2	NE	5	45	c	75	8	2-3000	St-cu	7	-	-	5
Aberdeen ...	1040.2	+1	NNW	4	49	cy	45	8	-	cu	8	-	-	2
†East Fortune ...	1041.4	0	W	2	48	b	65	8	5-7000	St.cu	1	-	-	*
†Howden ...														*
†Felixstowe ...	1037.8	+3	E	5	46	bq	92	7	3-4000	Cu	8	-	-	5
†Cranwell (Lincs)														*
Benson ...	1037.0	0	NE	3	51	c	65	7	-	-	-	-	-	*
London (Kew Ob.)	1036.5	0	NE	4	50	cy	55	5	-	St-cu	4	A-cu	5	*
	1H. G.M.T. of 21st APRIL													
†Houton B. (Orkney)	1039.2	-2	S	4	37	0	97	8	5-7000	St-cu	3	A-st	6	4
Eskdalemuir ...	1042.3	+1	-	0	26	b	92	7	-	-	-	-	-	*
†Stranraer ...														
†Lough Foyle ...														
Valencia (Cahirc'n)	?	0	-	0	46	bc	-	-	-	-	-	-	-	2
†Anglesey (Llangefni)	1039.9	0	ENE	1	37	b	82	4	4-5000	St.	2	-	-	1
Falmouth ...														
†Calshot (Hants) ...	1037.5	0	E	4	46	bc	82	6	-	Nb	6	-	-	*
†Capel (Folkestone)	1038.7	0	ENE	3	41	0	82	6	3-4000	St-cu	10	-	-	5
Aberdeen ...														
†East Fortune ...	1040.5	0	-	0	35	b	87	3	-	-	-	-	-	*
†Howden ...														*
†Felixstowe ...	1039.2	0	N	2	36	bc	98	-	-	?	9	-	-	4
†Cranwell (Lincs)	1040.6	+2	N	1	32	b	92	7	-	-	-	Ci	2	*
Benson ...														*
London (Kew Ob.)	1038.7	0	NE	3	43	bc	-	-	-	-	-	-	-	*

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form.	Upper Cloud. Amt. 0-10.	Sea 0-9.
	18H. G.M.T. of 20th APRIL													
†Houton B. (Orkney)	1040.2	0	WNW	3	42	b	65	7	4-5000	Fr.cu	1	Ci.st	3	2
Eskdalemuir ...	1040.2	0	ESE	2	46	bvy	55	10	-	-	-	Ci-st	2	*
†Stranraer ...	1040.2	-1	-	0	47	b	65	8	3-4000	St-cu	1	-	-	*
†Lough Foyle ...	1040.7	0	E	4	44	b	75	8	-	-	-	Ci-st	2	2
Valencia (Cahirc'n)	1036.3	+1	W	2	51	c	92	8	2-3000	Cu	8	-	-	2
†Anglesey (Llangefni)	1038.6	0	ENE	4	45	b	75	5	-	-	-	Ci.st	2	4
Falmouth ...	1035.0	-1	ESE	3	50	cm	-	-	-	-	-	-	-	*
†Calshot (Hants) ...	1036.6	+1	NE	4	49	bcq	75	7	3-4000	St-cu	3	Ci	2	6
†Capel (Folkestone)	1037.0	+1	NE	6	41	0	75	8	3-4000	St-cu	5	-	-	5
Aberdeen ...	1040.4	+1	N	2	47	by	55	8	-	-	-	-	-	2
†East Fortune ...	1040.2	-1	-	0	50	bcvy	55	8	-	-	-	Ci	4	*
†Howden ...	1040.3	+1	NE	4	44	bcy	55	7	3-4000	St-cu	5	A-st	1	*
†Felixstowe ...	1038.4	0	ENE	4	43	bc	75	7	4-5000	St-cu	6	-	-	5
†Cranwell (Lincs)	1039.5	+1	NE	2	42	bcv	75	8	3-4000	St-cu	4	Fa-ci	1	*
Benson ...	1037.0	0	NE	3	47	bc	65	8	-	Cu	3	-	-	*
London (Kew Ob.)	1037.3	+1	NE	4	48	cy	55	5	-	St-cu	8	-	-	*
	7H. G.M.T. of 21st APRIL													
†Houton B. (Orkney)	1036.8	-2	S	4	39	0	98	6	5-7000	St Cu	5	A. St	5	3
Eskdalemuir ...	1042.2	0	-	0	30	bcx	87	7	-	-	-	Ci St	5	*
†Stranraer ...	1040.4	-1	ESE	1	43	z	82	7	-	-	-	Ci St	1	*
†Lough Foyle ...	1040.4	0	S	6	44	c	87	5	-	-	-	Ci Cu	?	3
Valencia (Cahirc'n)	1037.6	0	ESE	3	48	bcw	75	8	3-4000	Cu	5	-	-	3
†Anglesey (Llangefni)	1041.0	+3	-	0	38	b	82	8	-	-	-	-	-	1
Falmouth ...	1038.3	+2	NE	3	42	bc	87	5	-	Cu	6	-	-	*
†Calshot (Hants) ...	1039.4	0	NE	4	41	b	87	-	-	-	-	-	-	4
†Capel (Folkestone)	1038.1	0	NE	4	41	0	65	8	-	St Cu	7	-	-	5
Aberdeen ...	1038.5	-1	SSW	3	42	om	75	6	-	St	5	A. St	5	2
†East Fortune ...	1040.2	0	-	0	39	x	75	7	-	-	-	Ci St	2	*
†Howden ...	1041.0	0	-	0	35	bc	75	4	5-7000	Fr. Cu	4	-	-	*
†Felixstowe ...	1039.7	+1	NNE	2	40	0	92	4	-	Nb	9	-	-	3
†Cranwell (Lincs)	1041.0	+2	N	1	39	b	82	4	4-5000	Cu	1	Ci	2	*
Benson ...	1039.9	+1	NE	2	36	z	92	4	-	-	-	Ci St	1	*
London (Kew Ob.)	1039.7	+1	NE	3	39	z	82	4	-	St Cu	1	-	-	*

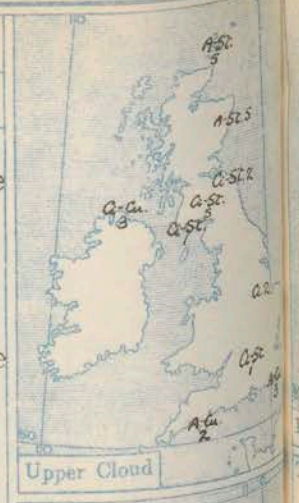
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	Barometer. at M.S.L. m.b.	Barometer. ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	18H. G.M.T. of 20th APRIL					7H. G.M.T. of 21st APRIL									24 HOURS ENDED 7H. 21st APRIL						18H. 20th APRIL
Lerwick	1039.4	43	NW	4	c	1035.1	-3	41	+1	SW	4	-	0	2	-	45	36	c	c	0	*
Stornoway ...	1040.2	45	S	2	c	1034.9	-2	45	+4	S	5	-	0	4	-	51	41	c. bc.	bc. c	c. 0q	6.5
Castlebay (Barra Is)	1040.2	45	SSE	3	b	1036.8	0	46	+4	S	4	-	0	4	-	47	41	bc. b.	b	b. 0	8.0
Glasgow ...	1040.2	49	SE	1	bz	1040.6	0	36	-1	ESE	1		c	*	-	52	34	b.	bz.	b. bcz. x	11.9
Malin Head ...	1039.0	45	E	4	bc	1035.9	-4	42	-1	SSE	4	-	bcm	3	-	47	38	bc	bc	bc	12.2
Blacksod Point	1036.9	54	SE	3	bz	1036.8	0	45	+5	S	3	-	bcz	3	-	56	39	bcz.	bz.	bcz bz	*
Roche's Point ...	1037.5	50	E	4	b	1038.9	+2	46	-1	E	2	-	b	*	0.1	55	41	0. b. 0z.	0. bc. b.	bc	*
Birr Castle ...	1038.2	51	NE	1	bc	1044.9	*	44	+6	SE	1	-	bc	*	-	57	31	c.	bc	bc	
Donaghadee ...	1039.7	45	ENE	1	bz	1039.4	0	39	-3	SSW	2	-	bm	1	-	48	36	bc. z.	bz.	bz. bmw	*
Liverpool (Bidston)	1038.6	50	ENE	3	b	1041.2	+1	41	-3	SE	1	-	b	1	-	51	36	bm.	bm.	b	10.4
Holyhead ...	1038.3	46	ENE	6	bz	1040.2	+1	46	+1	SW	4	-	bz	2	-	49	36	bz	bz	bz x	12.4
Pembroke (St. Ann's Head)	1037.0	49	SE	3	bc	1040.4	+3	41	-9	ENE	2	-	b	1	-	55	38	c. bc	bc	b	5.8
Scilly (St. Mary's)	1034.7	50	ESE	3	c	1037.5	+1	45	-7	ESE	5	E	bc	5	-	57	44	bc. c. om	o c	c. bc	5.8
Jersey (St. Aubin)	1033.8	49	ENE	6	b	1036.0	+1	44	-8	E	6	-	0	4	-	54	42	b. o. b.	b	bc. o	5.5
Portland Bill ...	1035.0	48	E	4	c	1038.3	+1	41	-9	ENE	4	-	c	4	-	53	39	bc. c.	c.	bc. c.	*
Dungeness ...	1035.0	44	NE	5	bc	1037.0	0	42	-4	NE	4	-	c	4	-	56	40	c. bc.	bc	cq. cq. c	*
Wick	1040.5	45	NNE	2	bc	1036.5	-1	42	+2	S	3	-	0	3	-	48	38	bc	bc	b. 0g	*
Nairn	1039.6	47	E	1	bc	1036.5	*	44	+6	W	1	-	cgz	1	-	53	31	bc	b. bc	bc	10.1
Leith	1039.8	50	E	1	b	1039.8	0	39	0	W	1	-	c	1	-	53	35	b	b	bz. bmc	*
Tynemouth ...	1040.0	47	NNE	2	b	1040.2	+1	37	-6	NW	2	-	f	3	-	50	33	b	b	bmf.	*
Spurn Head ...	1039.6	44	NNE	3	bv	1041.0	+1	43	0	N	3	-	bc	3	-	48	38	bcv.	bcv.	bcv	7.8
Yarmouth (Gorleston)	1037.8	44	NE	5	bc	1038.7	+1	41	-3	NE	5	-	0	4	1	47	41	bcm. bc.	bc	bc. 0gp	10.5
Clacton-on-Sea	1037.6	44	NE	5	bc	1039.2	+2	40	-6	NNE	3	NE	c	2	-	49	35	cg c.	c. bc.	bc. c.	3.5
Nottingham ...	1039.6	45	ENE	3	c	1040.0	*	36	-7	SSE	1	E	by	*	-	50	29	c	bc.	bc. b.	7.7

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARY OF CONDITIONS AT 7 A.M. Monday, 21st April, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	NNE-NE. 10-15	Rather cold	Mainly fine. Hazy.	V.good	Moderate
2. E. England	NNE-NE. 5-15	"	Cloudy to overcast.	Ordinary	"
3. E. Midlands	Calm to SSE. 2	"	Fine	"	–
4. W. Midlands	ENE. 5	"	Fine, haze.	"	–
5. S.W. England	E-NE. 5-20	Moderate	Variable cloud.	Good	Moderate
6. South Wales	E. 5	"	Fine	–	Smooth
7. North Wales	SW. 15	"	Fine, hazy.	V.good	"
8. N.W. England	SE. 2	"	Fine	–	"
9. N. Midlands	SE. 2	"	Fine	–	–
10. N.E. England	N-NW. 5-10	Rather cold	Fair, fog at Tynemouth	Ordinary	Slight
11. E. Scotland	Light variable	Moderate	Cloudy to overcast.	Good	Smooth
12. S.W. Scotland	Calm to E. 2	Rather cold	Fair to cloudy.	"	"
13. Isle of Man	Calm to E. 2	"	" " "	"	"
14. N.&N.W. Scotland	SSE. 10	Moderate	Overcast	–	Slight
15. Hebrides	S. 15-20	"	Overcast, squally.	..	Mod.
16. Orkneys and Shetlands	S-SW. 15	"	Overcast.	Good	Slight
17. N.W. Ireland	S. 10	"	Fair, hazy.	–	"
18. N.E. Ireland	SSE-SSW. 5-15	"	Fine to fair, misty.	Ord.	Smooth
19. S.E. Ireland	SE. 2	"	Misty.	–	–
20 S.W. Ireland	E. 5-10	"	Fine to fair.	V.good	Slight



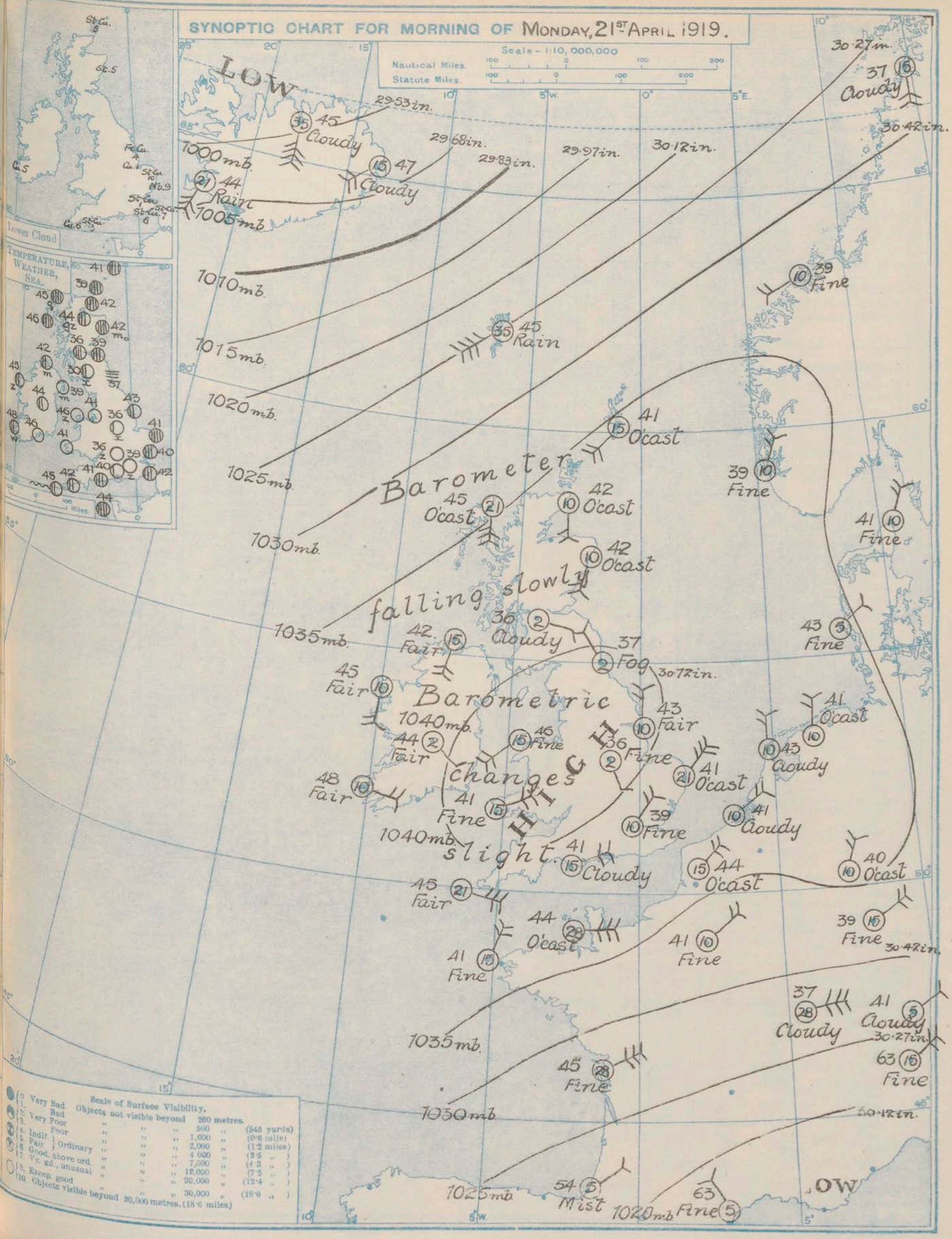
EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS.—clear sky. sky ½ clouded. overcast sky. snow. hail. T thunder. sky ½ clouded. sky 1 clouded. rain. fog. thunderstorm.
SEA DISTURBANCE.—Rough. High seas.

GENERAL INFERENCE from observations received up to 10 a.m.

An anticyclone over the British Isles is moving slowly southwards. Milder and less settled weather may be expected over the northern half of the United Kingdom, but fine weather will continue in the south.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Monday, 21st April, 1919	Further Outlook.
1. S.E. England 2. E. England 3 E Midlands 4. W. Midlands 5. S.W. England	Moderate NE. or E. breeze. Fine. Rather cold.	
6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Light indefinite breezes becoming SW. Fair or fine. Warmer.	
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 S. or SW. breeze, freshening. Fair at first, becoming somewhat less settled. Normal temperature.	
19. S.E. Ireland 20 S.W. Ireland	Moderate SE. to S. breeze. Fair. Normal temperature.	

Meteorological Office, Exhibition Road, London, S.W. 7. H. G. LYONS, Col., Director. R. G. K. LEMPFERT, C.B.E., Superintendent Forecast Division.


SYNOPTIC CHART FOR MORNING OF MONDAY, 21ST APRIL 1919.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
LOW
HIGH
Barometer falling slowly
Barometric changes slight.
1000mb.
1005mb.
1010mb.
1015mb.
1020mb.
1025mb.
1030mb.
1035mb.
1040mb.
1050mb.
29·53in.
29·68in.
29·83in.
29·97in.
30·12in.
30·27in.
30·42in.
30·57in.
45 Cloudy
47 Cloudy
44 Rain
45 Rain
37 Cloudy
39 Fine
41 O'cast
45 O'cast
42 O'cast
42 O'cast
36 Cloudy
37 Fog
42 Fair
45 Fair
43 Fair
46 Fine
44 Fair
48 Fair
41 Fine
41 Cloudy
45 Fair
44 O'cast
41 Fine
39 Fine
41 Fine
43 Fine
41 O'cast
43 Cloudy
41 O'cast
39 Fine
41 Cloudy
44 O'cast
40 O'cast
39 Fine
37 Cloudy
41 Cloudy
63 Fine
45 Fine
54 Mist
63 Fine
Scale of Surface Visibility.
0 Very Bad. Objects not visible beyond 200 metres.
1. Bad
2. Very Poor
3. Poor
4. Indif.
5. Fair
6. Ordinary
7. Good, above ord.
8. V.y. gd., unusual
9. Excep. good
10. Objects visible beyond 30,000 metres, (18·6 miles)
Lower Cloud
TEMPERATURE, WEATHER, SEA.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 111.B

MONDAY APRIL 21st

WEATHER TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR APRIL 20TH

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 19th	Rainfall. Day. 9h-17h. 20th	Sunshine. to 17h. 20th	Sunshine. to Sunset. 19th
Scotland.	Banff	b	b	49	38	1	-	8.3	5.1
	St. Andrews ...								
England, N.E.	Harrogate	c.bc	bcd	48	37	trace	-	7.5	1.9
	Skegness								
England, E.	Felixstowe	bc	bc	48	44	-	-	3.9	6.9
	Walton-on-Naze...								
	Southend-on-Sea...								
England, S.E.	Littlehampton	*	*	53	47	-	-	1.6	4.8
	Margate								
	Ramsgate	*	*	53	42	-	-	4.8	?
	Hastings	o	b.bc	55	45	-	-	3.6	8.6
	Eastbourne... ...	o.bc	bc	51	46	-	-	3.5	7.8
	Worthing	c	bc	52	47	-	-	2.6	?
	Bournemouth ...	*	*	56	47	-	-	3.0	8.0

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 19th	Rainfall. Day. 9h-17h. 20th	Sunshine. to 17h. 20th	Sunshine. to Sunset. 19th
England, N.W.	Southport	b.bc.b	b	53	42	-	-	10.5	2.0
Midlands.	Buxton								
	Leamington Spa...								
	Malvern								
	Ross-on-Wye ...	b.bc.by	b	56	43	-	-	5.0	4.6
Wales.	Rhyl	c.bc	bc	53	44	2	-	9.2	?
	Colwyn Bay ...	*	*	50	44	-	-	9.6	?
	Llandudno	b	b	52	44	-	-	10.0	?
	Aberystwyth ...								
England, S.W.	Weymouth								?
	Torquay	bc.b.bc.c	c.bc.c	54	50	-	-	2.7	12.5
	Penzance	bc.c	bc.c	55	51	-	-	3.0	?
	Newquay	c	c	57	42	-	3	1.3	
	Weston-s-Mare ...								

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-13h.20th	Weather 13h-18h20th	Weather 18h20th-1h21st	Weather 1h-7h21st	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)...	c.op	b.bc	bc.c	o	45	35	*	*	*	*
Eskdalemuir	bcy.by	bvy	b.bx	bx.bcx	49	23	16	-	trace	13.5
†Stranraer	b.bc	o		b.bc	59	33	*	*	*	*
†Lough Foyle	b.bc	bv		b.bcz	49	40	*	*	*	*
Valencia (Cahirciveen) ...	bc	cv.c	bc	bc	60	42	35	-	-	9.4
†Anglesey (Llangefni) ...	b.bcq	bz	b	bV	59	29	*	*	*	*
Falmouth	oz.cm	cm.bcm	o.c.bc	bc	54	41	37	-	-	2.8
†Calshot (Hants)	oz	omv	b.bc.	q U	56	39	*	*	*	*
†Capel (Folkestone)... ...	vp	vp		c.o	53	40	*	*	*	*
Aberdeen	bc.cy	bcy.b	b	b.om	51	34	23	-	-	9.1
†East Fortune	v.b.bc	v.bc.c	bv	b	59	33	*	*	*	*
†Howden	Hrh.b.bc	c.ov		b.bcx	58	25	*	*	*	*
†Felixstowe	vq	bov	b.o	b.op	57	33	*	*	*	*
†Cranwell (Lincs) ...		c.ov	vb	b.bc.bc.c	48	30	*	*	*	*
Benson	b.bc	b.bcv	*	bx	53	30	25	trace	-	1.1
London (Kew Obsy.) ...	od.oq	oycy	o.cq	cyo.c.bcx	51	35	29	-	-	

BEAUFORT NOTATION.

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.
e wet air without rain falling.
f fog. g gloom.
h hail. l lightning.
m mist.
o overcast sky.
p passing showers.
q squalls.
r rain.
rs sleet, *i.e.*, rain and snow together.
s snow.
t thunder.
u ugly, threatening sky.
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.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Limits of Velocity. 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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0 = slight, 2 = heavy. Underlining is used to express continuity.

LONDON. OBSERVATIONS.

	Weather. Morning	Weather. Afternoon.	Weather. Night	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours. (Yesterday)	Humidity % 15 h. G.M.T. (Yesterday)	Humidity % 9 h. G.M.T. (To-day)
	24 HOURS ENDED 9H G.M.T. 21st									
Greenwich (Royal Observatory)	b	bc.	o.b	50	35	35	-	1.0	69	67
City (Bunhill Row)	*	*	*	*	*	*	*	8.3	*	*
Westminster (St. James's Park)	*	*	*	59	37	34	-	7.4	66	70
" (Admiralty Arch)	om	bc	oq.b	52	37	*	-	0.7	54	61
Camden Sq. (British Rainfall)	4	*	*	54	34	32	-	1.7	*	66
Kensington Palace	o	o.bc	*	51	36	31	-	*	*	65
Richmond Park	*	*	*	*	*	*	*		*	*

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total 1374 Joules.

Average Rate. 27·0 Milliwatts.

Maximum Rate. 73 ..

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

21st & 22nd April 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth...	4.45 / 4.43	11.52 / 11.52	6.58 / 7.0
Greenwich	4.55 / 4.53	11.59 / 11.59	7.3 / 7.5
Wick ...	4.17 / 4.15	12.11 / 12.11	7.34 / 7.36
Valencia ...	5.35 / 5.33	12.40 / 12.39	7.46 / 7.46

NOTES ON THE WEATHER OF YESTERDAY.

Low temperatures prevailed, maximum temperatures of about 50° or 55° being common, while in East Anglia and parts of Scotland and Ireland the temperature did not exceed 47°.

Frost occurred at some inland stations. About 12 hours of bright sunshine were recorded at Malin Head, Glasgow and Holyhead. Rainfall amounted to 1mm at Yarmouth, but elsewhere there was little or none.

† Air Ministry Station

* Information for these columns not usually received.

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By WYMAN & SONS LTD., Fetter Lane, London, E.C., and Reading.

METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No 29,979.B. TUESDAY, 22ND APRIL, 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form	Upper Cloud. Amt. 0-10.	Sea 0-9.
	13H. G.M.T. of 21ST													
†Houton B. (Orkney)	1034·3	-2	SW	4	49	o	55	5	5-7000	St.Cu	6	A.Cu	4	6
Eskdalemuir ...	1039·6	-2	S	4	50	o2	55	6	-	-	-	A.Cu	9	*
†Stranraer ...	1040·3	0	S	3	52	cv	55	8	-	-	-	Cu.St	5	*
†Lough Foyle ...	1039·0	-2	SW	4	50	c	82	6	-	-	-	Cu.St	6	3
Valencia (Cahire'n) ...	1033·7	0	SSE	4	55	bc	65	7	-	-	-	A.St	7	3
†Anglesey (Llangefni)	1039·6	-2	-	0	51	c	65	6	5-7000	Cu	4	Cu.St	2	2
Falmouth ...	1038·5	-1	ESE	4	49	b	65	7	-	Fr.Cu	2	-	-	*
†Calshot (Hants) ...	1039·7	0	-	-	50	b	65	7	3-4000	St.Cu	9	-	-	*
†Capel (Folkestone)	1039·5	+1	ENE	3	42	d	75	8	2-3000	St.Cu	10	-	-	4
Aberdeen ...	1036·2	-3	S	3	55	bcm	55	5	-	-	-	Ci.Cu	4	3
†East Fortune ...	1038·9	-1	WSW	3	56	b	55	6	-	-	-	Cu.Cu	4	*
†Howden ...	1040·4	-2	-	0	52	c	55	6	3-4000	Fr.Cu	1	Cu.St	6	*
†Felixstowe ...	1040·6	0	E	3	45	q	87	6	3-4000	St.Cu	10	-	-	5
†Cranwell (Lincs)														*
Benson ...	1039·3	-1	NE	3	49	b	65	7	-	-	-	-	-	*
London (Kew Ob.)	1039·6	-1	NNE	4	47	z	55	5	-	St.Cu	6	-	-	*
	1H. G.M.T. of 22ND													
†Houton B. (Orkney)	1029·8	-3	SW	6	46	om	87	3	1-1½000	St.Cu	10	-	-	4
Eskdalemuir ...	1037·5	-2	-	0	31	bcz	87	5	-	-	-	Ci	6	*
†Stranraer ...														
†Lough Foyle ...														
Valencia (Cahire'n) ...	1036·3	0	-	0	42	bc	-	-	-	-	-	-	-	-
†Anglesey (Llangefni)	1037·2	-1	-	0	36	bc	92	6	-	-	-	Ci	4	1
Falmouth ...														
†Calshot (Hants) ...	1036·2	-2	E	2	43	b	87	5	-	-	-	-	-	*
†Capel (Folkestone)														
Aberdeen ...	1032·9	-4	WSW	2	43	c	92	4	4-5000	St	1	-	-	*
†East Fortune ...														*
†Howden ...														*
†Felixstowe ...														
†Cranwell (Lincs)														
Benson ...	1038·0	-3	-	0	31	b	87	4	-	-	-	Ci	1	*
London (Kew Ob.)	1037·2	0	NE	3	39	b	-	-	-	-	-	-	-	*

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form	Upper Cloud. Amt. 0-10.	Sea 0-9.
	18H. G.M.T. of 21ST													
†Houton B. (Orkney)	1032·0	-4	WSW	5	48	o	75	4	4-5000	St.Cu	10	-	-	3
Eskdalemuir ...	1037·9	-2	SW	3	48	cz	<40	6	-	-	-	Cu.St	7	*
†Stranraer ...	1038·1	-2	-	0	47	cz	75	7	2-3000	Nb	2	A.Cu	7	3
†Lough Foyle ...	1038·0	0	WNW	2	52	bc	82	5	4-5000	Cu	2	Cu.Cu	5	2
Valencia (Cahire'n) ...	1036·5	0	SSE	4	53	z	65	7	-	-	-	Cu.St	3	3
†Anglesey (Llangefni)	1039·1	-4	-	0	46	c	75	5	-	-	-	Cu.St	7	1
Falmouth ...	1036·9	+4	E	3	47	bz	75	-	-	-	-	-	-	*
†Calshot (Hants) ...	1037·3	-1	E	3	48	z	82	8	-	-	-	-	-	5
†Capel (Folkestone)	1037·9	-1	ENE	3	40	o	75	8	-	-	-	-	-	8
Aberdeen ...	1034·4	-1	SW	3	55	om	45	5	-	-	-	A.St	10	*
†East Fortune ...	1036·3	-3	WSW	4	52	z	65	6	-	-	-	A.St	8	*
†Howden ...	1039·3	0	ESE	3	47	of	65	5	-	-	-	Cu.St	6	*
†Felixstowe ...	1039·1	-2	E	4	42	c	77	5	½-1000	Cu	2	-	-	5
†Cranwell (Lincs)	1039·3	-1	-	0	45	b	75	8	-	-	-	Cu.St	1	*
Benson ...	1038·6	-2	NE	1	50	b	55	8	-	-	-	-	-	*
London (Kew Ob.)	1037·8	-1	E	2	48	z	65	5	-	Cu	1	-	-	*
	7H. G.M.T. of 22ND													
†Houton B. (Orkney)	1027·3	-2	W	7	46	om	97	4	½-1000	St	10	-	-	4
Eskdalemuir ...	1034·7	-2	S	1	37	cz	87	6	-	St.Cu	5	A.Cu	3	*
†Stranraer ...	1034·6	-2	-	0	40	z	97	6	-	-	-	Cu.Cu	6	*
†Lough Foyle ...	1035·5	-2	SSW	2	46	b	92	5	-	-	-	-	-	3
Valencia (Cahire'n) ...	1035·9	+1	E	2	37	bcw	92	10	-	-	-	A.Cu	5	2
†Anglesey (Llangefni)	1035·7	-2	-	0	43	b	92	5	-	-	-	Cu.St	10	1
Falmouth ...														
†Calshot (Hants) ...	1035·0	0	E	3	44	c	82	5	-	Cu	7	-	-	*
†Capel (Folkestone)	1036·1	-2	NE	2	38	b	92	5	-	-	-	Fr.Cu	2	3
Aberdeen ...	1039·5	0	NE	3	44	o	75	8		St.Cu	7	-	-	4
†East Fortune ...	1030·2	-2	-	0	48	bcm	87	2	-	-	-	A.Cu	4	*
†Howden ...	1032·6	-3	W	3	45	o	75	5	2-3000	St.Cu	5	Cu.St	4	*
†Felixstowe ...	1035·1	-3	S	1	37	f	92	2	5-6000	St.Cu	2	A.Cu	5	*
†Cranwell (Lincs)	1036·4	-1	N	1	39	o	97	5	3-4000	St	10	-	-	4
Benson ...	1038·1	+3	W	1	38	o	97	4	3-4000	St	10	-	-	*
London (Kew Ob.)	1035·7	-2	-	0	35	b	97	4	-	-	-	A.St	3	*
	1036·2	0	NNE	1	35	cm	82	2	-	-	-	Ci	6	*

STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

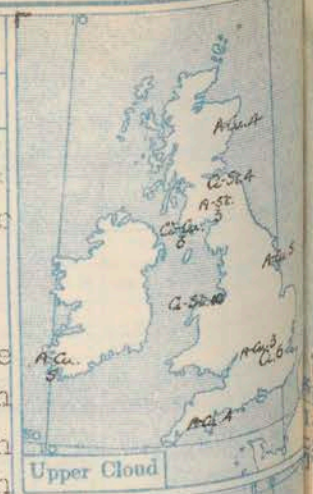
STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	Barometer. at M.S.L. m.b.	Barometer. ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.
	18H. G.M.T. of 21ST					7H. G.M.T. of 22ND								
Lerwick	1025·8	47	SSW	3	o	1023·6	-3	46	+5	W	5	-	omqd	4
Stornoway ...	1032·5	49	SW	4	o	1028·3	0	49	+4	WSW	4	-	o	3
Castlebay (Barra Is)	1034·9	48	SW	5	o	1031·1	0	48	+2	WSW	4	-	r	4
Glasgow ...	1036·8	50	SW	2	cz	1033·7	+1	43	+7	SW	1	-	cm	*
Malin Head ...	1035·6	55	S	1	bcz	1033·6	-2	46	+1	SW	2	SW	bcm	2
Blacksod Point	1035·8	51	S	3	cz	1034·0	0	46	+4	SSW	3	-	cq	3
Roche's Point ...	1038·3	45	ESE	2	b	1036·1	-1	39	-5	NNW	1	-	c	1
Birr Castle ...	1037·6	56	SSE	1	bc	1035·8	*	34	-10	-	0	-	c	
Donaghadee ...	1037·3	49	S	4	bcm	1034·0	-1	41	+2	WSW	1	-	bcm	1
Liverpool (Bidston)	1038·7	45	N	1	b	1035·4	-2	42	+1	NW	1	-	bcm	1
Holyhead ...	1039·4	47	NW	3	bz	1035·2	-1	42	-4	SW	1	-	bz	0
Pembroke (St. Ann's Head)	1038·6	45	N	2	b	1036·2	0	42	+1	E	1	-	bc	1
Scilly (St. Mary's)	1036·4	46	ESE	4	b	1034·7	-1	45	0	ESE	5	E	bc	5
Jersey (St. Aubin)	1037·7	46	E	6	b	1033·6	0	43	-1	E	4	-	b	3
Portland Bill ...	1037·2	46	E	4	bc	1035·2	-1	45	+4	E	5	E	bc	4
Dungeness ...	1036·6	44	ENE	5	cq	1034·1	-1	44	+2	NE	3	NE	bc	3
Wick	1032·1	50	WSW	3	om	1028·3	-1	49	+7	SW	2	-	o	1
Nairn	1033·3	54	W	3	bc	1029·4	*	50	+3	-	0	-	cz	0
Leith	1035·8	52	W	2	bc	1032·8	-1	44	+5	W	2	W	c	2
Tynemouth ...	1038·1	44	S	3	cm	1032·6	0	34	-3	WNW	2	-	b	3
Spurn Head ...	1039·9	44	E	2	bv	1035·9	-2	40	-3	SW	1	-	o	2
Yarmouth (Gorleston)	1038·6	42	NE	4	bc	1035·1	-2	37	-4	NNW	3	-	bcm	3
Clacton-on-Sea	1038·5	43	NE	4	bc	1035·8	-1	40	0	N	3	-	og	
Nottingham ...	1038·9	49	E	2	b	1035·9	*	35	-1	SW	1	SW	c	*

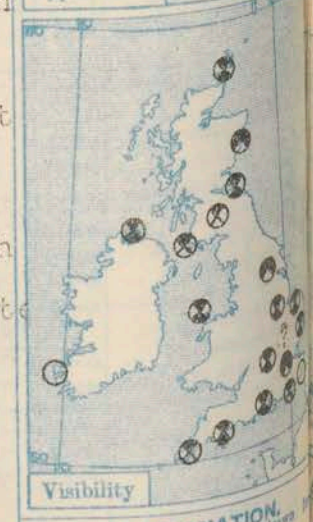
STATIONS.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	24 HOURS ENDED 7H. 22ND						21ST
Lerwick	0·3	50	40	cm	om	omqd	*
Stornoway ...	-	51	43	oq	o	o	0·0
Castlebay (Barra Is)	Trace	49	46	bc.o	o	ofd	0·5
Glasgow ...	-	54	36	b.bc.cq	cq	c.bb.cq	6·0
Malin Head ...	-	56	42	bcq	bcq	bcm	10·6
Blacksod Point	-	53	43	cz	cq	bz.bcq	*
Roche's Point ...	0·2	50	36	b	b	b.bc.cs	*
Birr Castle ...	-	59	33	bc	bc	cx	11·7
Donaghadee ...	-	53	38	bm	bmq	bcm	*
Liverpool (Bidston)	-	47	36	bm	bm	bm	11·2
Holyhead ...	-	52	38	bz	bz	bz	12·3
Pembroke (St. Ann's Head)	-	49	39	b	b	bv.b	12·4
Scilly (St. Mary's)	-	49	44	bc	b	b	11·1
Jersey (St. Aubin)	-	50	40	o.b.o	o.b.bc	bw	8·8
Portland Bill ...	-	49	40	bc	bc	bc	*
Dungeness ...	-	54	40	c	cq	c	*
Wick	-	51	42	om	om	bcomq	*
Nairn	-	55	42	cqzq	cq.bcz	bcq.c	1·5
Leith	-	60	39	cbcb	b	bcq.bc	*
Tynemouth ...	-	47	37	bcm	cm	bm	*
Spurn Head ...	-	47	37	bw	bw	bc.c.o	10·3
Yarmouth (Gorleston)	-	47	33	o	o.bc	bcm	0·3
Clacton-on-Sea	-	46	37	c	cbc	bc.c.og	6·3
Nottingham ...	-	53	33	b	b	b	11·0

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARY OF CONDITIONS AT 7 A.M. Tuesday, 22nd April, 1919.

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	NNE-NE 2-10	rather cold	Fair to dull. mist locally	Var.	Moderate
2. E. England	Var 2-10	"	Fair to dull, " "	Ord.	Moderate
3. E. Midlands	Calm or WSW2	"	Variable cloud, mist locally	indiff.	-
4. W. Midlands	Light var.	moderate	Variable cloud	-	-
5. S.W. England	E-ESE 10-20	"	Fine to cloudy	Ordin.	Moderate
6. South Wales	E 2	"	Fair	Moderate	smooth
7. North Wales	Calm or SW 2	rather cold	Variable cloud	Ordin.	smooth
8. N.W. England	NW 2	moderate	Fine, some mist	indiff:	smooth
9. N. Midlands	E-ESE 2	rather cold	cloudy or dull; some mist locally	poor to ordin:	-
10. N.E. England	Vari. to 5	"	Variable sky, mist	ordin:	slight
11. E. Scotland	NE - E 5-10	mild	Fair to dull, some haze	poor	smooth
12. S.W. Scotland	S-SW 2	mod	Fair to cloudy, some mist	good	smooth
13. Isle of Man	WSW 2	"	Fair	-	smooth
14. N.&N.W. Scotland	SW-WSW 5-10	mild	Dull,	ordinary	smooth
15. Hebrides	WSW 15	mild	Dull, local rain & fog	bad, locally	moderate
16. Orkneys and Shetlands	W-WSW20-35	mild	Dull, local mist & drizzle	poor.	"
17. N.W. Ireland	SSW 10	moderate	Cloudy, some haze	ordin:	slight
18. N.E. Ireland	SW 2-5	"	Fair or fine, some mist	ordin:	smooth
19. S.E. Ireland	light vari:	cold	Cloudy	ordin:	smooth
20. S.W. Ireland	light var:	cold	Fair to cloudy	very good.	smooth





EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five 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 degrees F.
WEATHER SYMBOLS.—
clear sky. sky ½ clouded. sky ¾ clouded. overcast sky. rain falling. snow. hail. fog. T thunder. R thunderstorm.
SEA DISTURBANCE.—Rough. High.

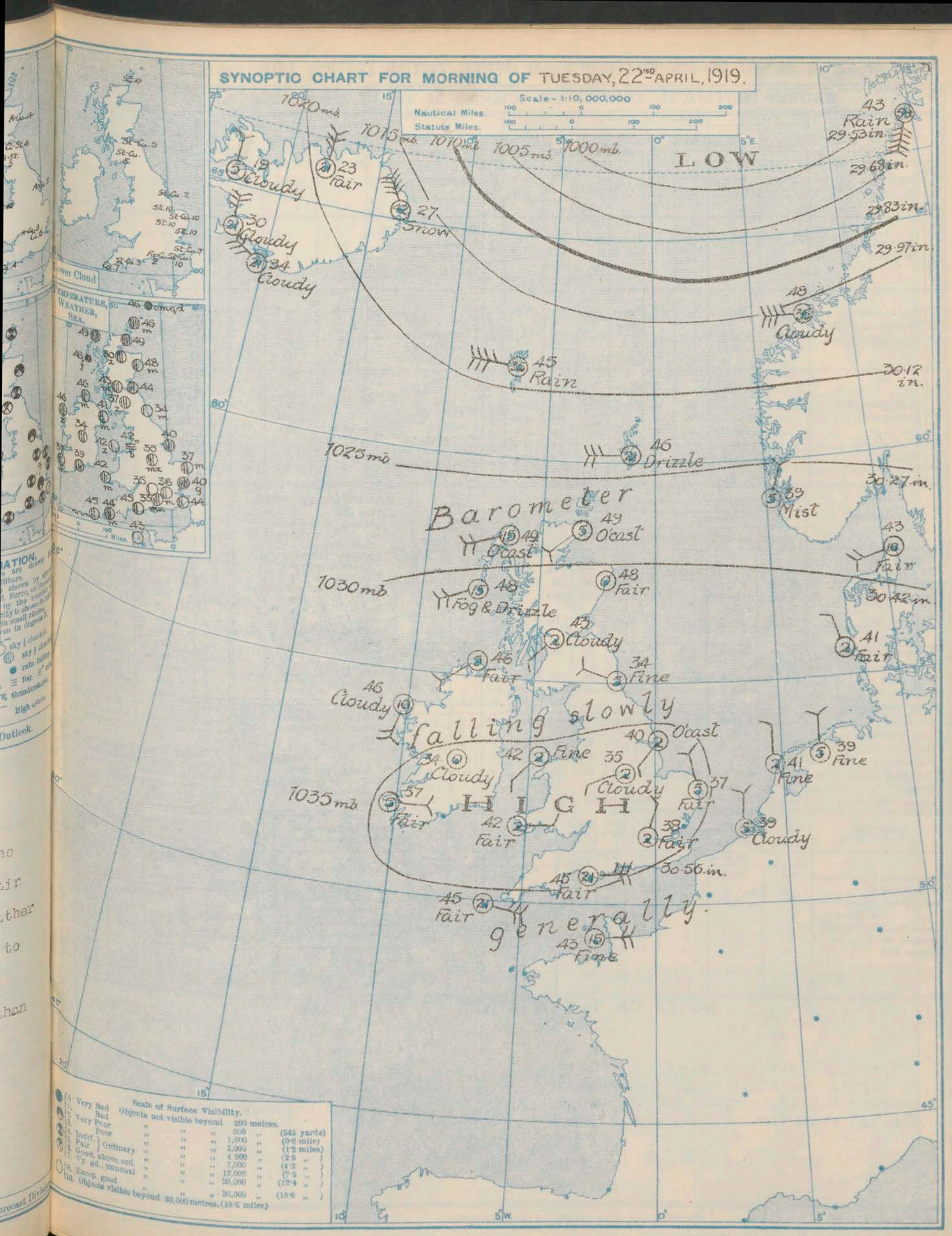
GENERAL INFERENCE from observations received up to 10 a.m.

An anticyclone over England and the south of Ireland will cause fair or fine weather to continue in these parts, but further north less settled weather is likely

Tuesday, 22nd April, 1919.

Districts.	Forecasts for the 24 hours commencing 3 p.m.	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; fair or dull; moderate temperature	Over the southern half of the kingdom fair or fine weather is likely to continue for more than 24 hours.
10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N.&N.W. Scotland	Moderate SW breeze; fair or dull, occasional drizzle; moderate temperature	
15. Hebrides 16. Orkneys and Shetlands	Fresh SW or W breeze; dull, passing showers; mild	
17. N.W. Ireland	Same as for districts 10 - 14	
18. N.E. Ireland		
19. S.E. Ireland 20. S.W. Ireland	Same as for districts 1 - 9.	

Meteorological Office, Exhibition Road, London, S.W. 7. H. G. LYONS, Col., C.V.O., Director. R. G. K. LEMPFERT, C.B.E., Superintendent Forecast Division.


SYNOPTIC CHART FOR MORNING OF TUESDAY, 22ND APRIL, 1919.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
LOW
HIGH
Barometer
falling slowly
generally.
1020 mb.
1015 mb.
1010 mb.
1005 mb.
1000 mb.
1025 mb.
1030 mb.
1035 mb.
29.53 in.
29.68 in.
29.83 in.
29.97 in.
30.12 in.
30.27 in.
30.42 in.
30.56 in.
Cloudy
Fair
Snow
Rain
Drizzle
Mist
O'cast
Fog & Drizzle
Fine
Lower Cloud
TEMPERATURE, WEATHER, SEA.
Scale of Surface Visibility.
0. Very Bad
1. Bad
2. Very Poor
3. Poor
4. Indif.
5. Fair
6. Good, above ord.
7. Vy. gd., unusual
8. Excep. good
10. Objects visible beyond 30,000 metres. (18·6 miles)
Objects not visible beyond 200 metres.
500 (545 yards)
1,000 (0·6 mile)
2,000 (1·2 miles)
4,000 (2·5 ")
7,000 (4·3 ")
12,000 (7·5 ")
20,000 (12·4 ")
30,000 (18·6 ")

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 1128 (April 22nd) TUESDAY

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

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 20th	Rainfall. Day. 9h-17h. 21st	Sunshine. to 17h. 21st	Sunshine. Sunrise to Sunset. 21st
Scotland.	Banff	c bc	bc. c	58	33	-	-	4·2	10·2
	St. Andrews ...	c	o	57	30	-	-	3·9	9·0
England, N.E.	Harrogate	bc. b	b	55	30	-	-	9·9	?
	Skegness								
England, E.	Felixstowe	c. bc	bc	45	34	Trace	-	4·1	4·6
	Walton-on-Naze...								
	Southend-on-Sea...	o. c. o	c. bc. b	47	36	-	-	4·6	?
England, S.E.	Littlehampton ...	-	-	50	38	-	-	6·1	1·9
	Ramsgate	-	o	46	39	-	-	1·8	4·8
	Hastings	o	bc	47	38	-	-	2·0	4·4
	Eastbourne	o. bc	bc	48	37	-	-	3·6	4·4
	Worthing	c	bc. b	50	38	-	-	8·5	3·2
	Bournemouth ...	-	-	52	37	-	-	11·0	3·6
England, N.W.	Southport								
Midlands.	Buxton								
	Leamington Spa...								
	Malvern	b	b	53	33	-	-	11·0	3·1
	Ross-on-Wye ...								
Wales.	Rhyl	b bc	bc. b	50	34	-	-	10·8	10·2
	Colwyn Bay ...								
	Llandudno	b	b	50	35	-	-	11·2	11·1
	Aberystwyth ...	c. b	b	47	43	-	-	11·5	*
England, S.W.	Weymouth								
	Torquay	bc. b	b	49	36	-	-	10·7	3·1
	Penzance								
	Newquay	b	b	51	36	-	-	10·8	1·1
	Weston-s-Mare ...	b	b	56	31	-	-	11·5	*

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-12h 21st	Weather 12h-18h 21st	Weather 18h-1h 22nd	Weather 1h-7h 22nd	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)...	z o	o	or	r	50	35	*	*	*	*
Eskdalemuir	bz. bc. cyz	oyz. bcyz	byz. bcz	bcz by zyy	52	28	23	-	-	10·1
†Stranraer	b. bcz	y. b. bc			52	35	*	*	*	*
†Lough Foyle	b. bcz	bc. cz		b	54	46	*	*	*	*
Valencia (Cahirciveen) ...	b. bcz	bc. bz	bc	b. bcw	57	34	35	-	-	11·2
†Anglesey (Llangefni) ...	bc. cz	bc. cz	b. bc	bc. c D	52	32	*	*	*	*
Falmouth	o. bc. bz	b. bz	b	b. bc	50	42	30	-	-	8·9
†Calshot (Hants)	co. om	b. bz		b. bc	50	35	*	*	*	*
†Capel (Folkestone)... ...	y. o	ov		c. ov	42	37	*	*	*	*
Aberdeen	om. bcm	bcm. om	b. bc	om. bcm	58	40	29	-	-	3·1
†East Fortune	b. bc	b. bc		c. o f	57	40	*	*	*	*
†Howden	⊕ b. bc	b. bc D		o f. w	53	25	*	*	*	*
†Felixstowe	b. cq	V q		b. bc. om	52	45	*	*	*	*
†Cranwell (Lincs) ...		V b. bc	b. bc. b	b. bc. o	50	30	*	*	*	*
Benson	b	bc		b	53	30	24	-	-	*
London (Kew Obsy.) ...	bm. o. bc	byz. bz	b	bm. bcm	50	33	23	-	-	9·2

BEAUFORT NOTATION.

- 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.
- e wet air without rain falling.
- f fog. g gloom.
- h hail. l lightning.
- m mist.
- o overcast sky.
- p passing showers.
- q squalls.
- r rain.
- rs sleet, *i.e.*, rain and snow together.
- s snow.
- t thunder.
- u ugly, threatening sky.
- 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.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Limits of Velocity. 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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0 = slight, 2 = heavy. Underlining is used to express continuity.

LONDON. OBSERVATIONS.

	Weather. Morning	Weather. Afternoon.	Weather. Night.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours. Yesterday.	Humidity % 15 h. G.M.T.	Humidity % 9 h. G.M.T. To-day.
	24 Hours ended 9h G.M.T. 22nd									
Greenwich (Royal Observatory)	o. c	bc. c	b	51	32	18	-	8·6	60	78
City (Bushill Row)	*	*	*	*	*	*	*	7·4	*	*
Westminster (St. James's Park)	*	*	*	52	35	32	-	8·3	47	79
" (Admiralty Arch)						*				
Camden Sq. (British Rainfall)	*	*	*	55	33	31	-	5·9	*	76
Kensington Palace	bc	bc	*	51	37	28	-	*	*	76
Richmond Park	*	*	*	*	*	*	*		*	*

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total ..... Joules.

Average Rate. Milliwatts.

Maximum Rate. " "

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

22nd & 23rd April ..... 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth ...	4.43 / 4.41	11.52 / 11.51	7.0 / 7.1
Greenwich	4.53 / 4.51	11.59 / 11.58	7.5 / 7.6
Wick ...	4.45 / 4.43	12.11 / 12.10	7.16 / 7.39
Valencia ...	5.33 / 5.31	12.40 / 12.39	7.46 / 7.48

NOTES ON THE WEATHER OF YESTERDAY.

There was a slight frost locally at night. During the day the temperature failed to reach 50° at many English stations. There was little or no rain, in many places the duration of bright sunshine exceeded 10 hours, and even 12 hours at Pembroke and Holyhead.

† Air Ministry Station. * Information for these columns not usually received.

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METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No. 29.371B. WEDNESDAY, 23RD APRIL, 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form.	Upper Cloud. Amt. 0-10.	Sea 0-9.
	13H G.M.T. of 22ND													
†Houton B. (Orkney)	1025·0	+3	W	7	48	d	97	4	1-1500	Nb	3	Ci	4	1
Eskdalemuir ...	1030·1	-3	WSW	4	57	cy3	55	6	4-5000	Cu	1	Ci.St	6	*
†Stranraer ...	1032·4	-1	NNW	3	55	bc3	65	6	3-4000	St	1	A.St	2	*
†Lough Foyle ...														
Valencia (Cahirc'n) ...	1034·3	-1	NW	2	52	b	65	8	-	-	0	-	0	3
†Anglesey (Llangefni)	1033·7	-5	W	1	54	c	65	8	-	-	-	Ci	8	1
Falmouth ...	1033·4	-1	SE	3	50	b3	75	5	-	-	-	Ci	3	*
†Calshot (Hants) ...	1033·6	-2	SE	1	52	c	75	6	7-9000	M.Cu	7	-	-	3
†Capel (Folkestone)	1032·2	-3	NE	2	46	o	75	8	5-6000	St.Cu	4	A.Cu	5	4
Aberdeen ...	1028·1	-1	SSE	2	59	by3	55	6	-	-	0	A.St	3	2
†East Fortune ...	1030·0	-3	W	6	56	c	65	5	4-5000	St	2	Ci	6	*
†Howden ...	1031·2	-5	W	2	61	c	45	5	-	-	-	Cu.Cu	7	*
†Felixstowe ...	1033·0	-4	SE	1	46	b	82	8	-	St.Cu	7	A.Cu	2	3
†Cranwell (Lincs)														*
Benson ...	1032·3	-4	-	0	52	c	55	6	-	-	-	-	-	*
London (Kew Ob.)	1032·6	-4	NW	2	50	bc	45	6	-	-	-	Ci	4	*
	1H G.M.T. of 23RD													
†Houton B. (Orkney)	1023·4	0	NW	6	40	r.q	95	4	½-1000	Nb	9	-	-	*
Eskdalemuir ...	1027·0	-2	NW	3	46	om	87	5	1-1500	St	10	-	-	*
†Stranraer ...														
†Lough Foyle ...														
Valencia (Cahirc'n) ...	1032·6	0	WNW	4	45	bc	-	-	-	-	-	-	-	-
†Anglesey (Llangefni)	1029·5	-4	-	0	36	b	95	5	-	-	-	-	-	1
Falmouth ...														*
†Calshot (Hants) ...	1028·7	-3	NNW	2	44	b	92	5	-	-	-	-	-	*
†Capel (Folkestone)	1026·6	-3	-	0	43	om	95	6	1-1500	St	10	-	-	2
Aberdeen ...	1025·2	0	WNW	2	45	r.f.	95	2	1½-2000	Nb	10	-	-	*
†East Fortune ...	1025·8	-1	WSW	3	48	b	87	3	3-4000	St.Cu	3	-	-	*
†Howden ...														*
†Felixstowe ...														
†Cranwell (Lincs)	1026·7	-3	SSW	2	45	o	82	-	-	-	-	-	-	2
Benson ...	1025·5	-4	NNW	2	45	c	87	4	3-4000	St	5	A.St	2	*
London (Kew Ob.)	1026·1	-3	W	1	48	bm	-	-	-	-	-	-	-	*

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form.	Upper Cloud. Amt. 0-10.	Sea 0-9.
	18H G.M.T. of 22ND													
†Houton B. (Orkney)	1022·7	-4	W	7	46	om	92	4	1-1500	?	3	-	-	4
Eskdalemuir ...	1028·4	-2	W	3	50	c3	75	5	-	Cu	4	Ci	3	*
†Stranraer ...	1029·8	-4	NNW	3	49	3	82	6	-	-	0	Ci.St	2	*
†Lough Foyle ...	1032·4	-2	WSW	4	55	d	97	5	1½-2000	St	10	-	-	3
Valencia (Cahirc'n) ...	1032·6	-3	WNW	2	50	b	75	8	-	-	0	-	0	3
†Anglesey (Llangefni)	1031·2	-4	SW	1	50	o	55	6	-	-	-	Ci	9	1
Falmouth ...	1031·8	-2	SE	2	47	b	-	-	-	-	-	-	-	*
†Calshot (Hants) ...	1029·3	-5	WSW	1	51	bc	82	8	6-7000	St.Cu	2	Ci	2	3
†Capel (Folkestone)	1029·6	-3	E	2	44	c	75	8	5-7000	St.Cu	7	-	-	2
Aberdeen ...	1025·6	-3	-	0	54	bc3	65	3	-	St.Cu	5	-	-	2
†East Fortune ...	1027·6	-3	WSW	5	53	bcq	75	5	7-9000	St	2	Ci	2	*
†Howden ...	1027·6	-4	WNW	3	37	c	55	5	5-7000	St.Cu	5	A.Cu	3	*
†Felixstowe ...	1029·7	-3	SSW	2	44	c	92	7	-	-	-	A.Cu	8	2
†Cranwell (Lincs)														*
Benson ...	1028·8	-4	S	1	53	o	45	8	-	-	-	A.Cu	8	*
London (Kew Ob.)	1028·8	-5	NW	1	55	c3	45	5	-	Cu	1	A.Cu	7	*
	7H G.M.T. of 23RD													
†Houton B. (Orkney)	1023·0	0	NW	6	40	od	92	5	1-1500	Nb	9	-	-	4
Eskdalemuir ...	1024·5	-2	NW	4	44	bc	65	7	-	Cu	3	Ci	3	*
†Stranraer ...	1026·0	-2	NW	3	46	c	82	7	2-3000	St	7	A.Cu	1	*
†Lough Foyle ...	1029·2	-1	NNW	3	45	b	92	7	1½-2000	Cu	1	A.Cu	2	2
Valencia (Cahirc'n) ...	1029·9	-2	-	0	42	bw	87	8	2-3000	Cu	1	-	-	2
†Anglesey (Llangefni)	1027·2	-1	NW	2	45	o	97	4	½-1000	St	10	-	0	3
Falmouth ...	1026·5	-1	NNW	2	45	z	97	5	-	-	-	-	-	*
†Calshot (Hants) ...	1024·3	-2	NNW	2	46	b	92	5	-	-	-	-	-	3
†Capel (Folkestone)	1023·7	-2	SW	1	42	o	87	5	-	St	10	-	-	3
Aberdeen ...	1023·6	-1	NW	3	45	op	87	7	-	Nb	9	-	-	2
†East Fortune ...	1023·7	-2	WNW	2	47	o	87	5	2-3000	St.Cu	8	Ci	1	*
†Howden ...	1024·0	-2	WNW	1	46	om	92	4	3-4000	St	10	-	-	
†Felixstowe ...	1022·8	-2	-	0	46	cz	?	2	-	St	8	-	0	2
†Cranwell (Lincs)	1023·7	-2	N	1	45	c	92	2	-	St	8	-	0	*
Benson ...	1023·9	-1	-	0	42	b	87	3	-	-	-	-	-	*
London (Kew Ob.)	1023·6	-1	WNW	1	43	bm	82	2	-	-	-	A.St	1	*

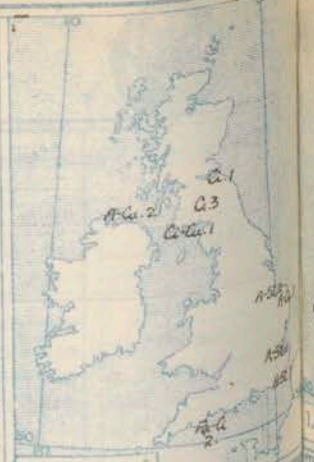
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

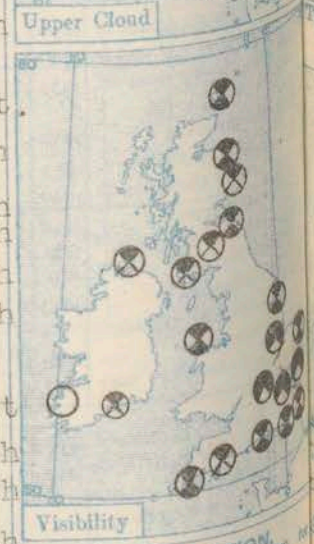
STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather	Barometer. at M.S.L. m.b.	Barometer. ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning	Weather. Afternoon	Weather. Night.	Sunshine Hours.
	18H G.M.T. of 22ND					7H G.M.T. of 23RD									24 HOURS ENDED 7H. 23RD						22ND
Lerwick	1020·3	47	WSW	4	omq	1021·3	+1	40	-6	N	4	-	o	3	1	49	37	omd	omq	om	*
Stornoway ...	1025·4	51	WSW	5	opq	1025·1	0	44	-5	NW	3	-	bc	2	1	52	40	od.p	oq	bc	0·0
Castlebay (Barra Is)	1028·4	48	W	4	ofc	1026·8	0	45	-3	NW	3	W	c	3	1	49	42	fd	fd.fe	f.ph.qp	0·0
Glasgow ...	1029·3	46	WSW	3	ofq	1025·2	-1	43	0	W	2	-	b	*	0·1	51	42	c.o	o	op.o.bc	2·0
Malin Head ...	1030·7	47	WSW	4	om	1027·6	-2	45	-1	NNW	2	W	bc	2	0·1	50	44	bcm	cm	c	4·0
Blacksod Point	1032·9	48	W	3	c	1028·8	-2	48	+2	NNW	3	-	ofc	3	1	52	42	cg	cg	og.ofc	*
Roche's Point ...	1032·6	50	SW	2	b	1029·7	-1	44	+5	NNW	3	-	b	2	0·1	52	39	b	b	bw	*
Birr Castle ...	1031·4	58	W	1	b	1028·5	*	40	+6	S	1	-	m	*	-	61	34	b	b	bg	1·0
Donaghadee ...	1029·7	48	NE	2	bm	1026·1	0	45	+4	NW	2	-	ogm	2	-	59	41	bc	m.bcm	bm.dgm	*
Liverpool (Bidston)	1029·9	49	WNW	3	b	1025·5	-1	45	+3	WNW	3	-	om	2	-	53	42	bc	bc	bc.om	10·7
Holyhead ...	1030·5	51	SW	4	bg	1026·3	-2	46	+4	NW	3	-	omq	1	-	57	42	bg	bg	b.bc.c	11·2
Pembroke (St. Ann's Head)	1031·6	48	WNW	2	b	1027·3	0	46	+4	N	3	-	b	1	-	51	42	b	b	b	11·7
Scilly (St. Mary's)	1031·8	49	NNE	2	b	1027·8	-1	48	+3	N	2	-	b	3	-	52	44	bc	b	b	11·6
Jersey (St. Aubin)	1028·8	49	NE	3	b	1025·3	-1	44	+1	WNW	2	-	b	2	-	53	39	b	b	bw.c.b	12·7
Portland Bill ...	1029·9	45	WSW	2	bc	1024·9	-2	48	+3	NW	3	-	b:	1	-	49	39	bc	bc	bc	*
Dungeness ...	1028·7	45	ENE	3	bc	1022·9	-2	44	0	WSW	2	-	c	2	-	48	38	c	c	bc	*
Wick	1023·9	50	W	3	omq	1022·7	0	43	-6	NNW	2	-	cm	1	0·3	56	39	omq	omq	o.bc.om	*
Nairn	1025·5	51	W	1	o	1024·2	*	43	-7	W	1	-	cg	1	1	58	39	cg.bc	bc.cu	op.rq.g	1·4
Leith	1027·7	52	W	2	bc	1024·0	-1	46	+2	WNW	2	NW	c	2	-	56	44	c.b.g	bc.b.bc	bcu.bz	*
Tynemouth ...	1027·2	57	N	1	bcm	1023·3	-1	48	?	NW	2	-	bm	3	-	63	43	bg	bcm	bg.om	*
Spurn Head ...	1028·2	49	SE	3	bcm	1023·4	-1	46	+6	NW	2	-	om	2	-	54	40	cm	bc.cm	bc.om	0·6
Yarmouth (Gorleston)	1028·0	43	S	4	o	1022·0	-2	43	+6	SSW	2	-	om	2	-	46	33	bcm.bc	bcm	g.cm	4·1
Clacton-on-Sea	1029·2	44	SSE	3	bc	1022·5	-2	45	+5	NW	2	NE	cm	1	-	47	39	og.c.bc	c.bc	bc.cm	3·4
Nottingham ...	1028·0	56	WNW	2	c	1024·2	*	44	+9	WNW	1	-	f	*	-	62	35	cm.b	bg.b	cb	4·4

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARY OF CONDITIONS AT 7 A.M. Wednesday, 23rd April, 1919.

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	NW-SW 2 -10	Mod.	Variable sky, light fog locally in Surrey	poor to ord.	slight
2. E. England	Calm or light	Mod.	Cloudy or dull, some mist	poor	smooth
3. E. Midlands	Calm or NW 2	Mod.	Fine or fair, local fog.	poor	–
4. W. Midlands	NW 10	Mod.	Variable cloud.	–	–
5. S.W. England	N-NW 5-10	Mod.	Fine or fair	ord.	smooth
6. South Wales	N 10	Mod	Fine	ord.	very smooth
7. North Wales	NW 5-10	Mod.	Dull, local mist	indiff.	smooth
8. N.W. England	NW 10	Mod.	Dull, some mist	indiff.	smooth
9. N. Midlands	NW 10	rather mild.	Fair to dull, some mist	"	"
10. N.E. England	NW 5	" "	Dull, some mist.	"	slight.
11. E. Scotland	NW-W 2-10	" "	Cloudy or dull, local showers and mist.	Var.	smooth
12. S.W. Scotland	NW-W 5-15	" "	Variable cloud.	v.good.	smooth
13. Isle of Man	NW 5-10	Mod.	Dull, some mist.	–	smooth
14. N.&N.W. Scotland	NW 5-10	Mod.	Fair or cloudy, local mist	Ord.	smooth
15. Hebrides	NW 10	"	Fair	Ord.	smooth
16. Orkneys and Shetlands	N - W 15-25	Mod.	Dull, some rain	Ord.	mod.
17. N.W. Ireland	NNW 10	Mod.	Fair to dull, local fog.	var.	slight
18. N.E. Ireland	NW-NNW 5-15	Mod.	Variable cloud, some mist	"	smooth
19. S.E. Ireland	Var. up to 10	Mod.	Variable cloud, some mist	"	smooth
20 S.W. Ireland	Calm or NNW 10-15	Mod.	Fine	v. good	smooth



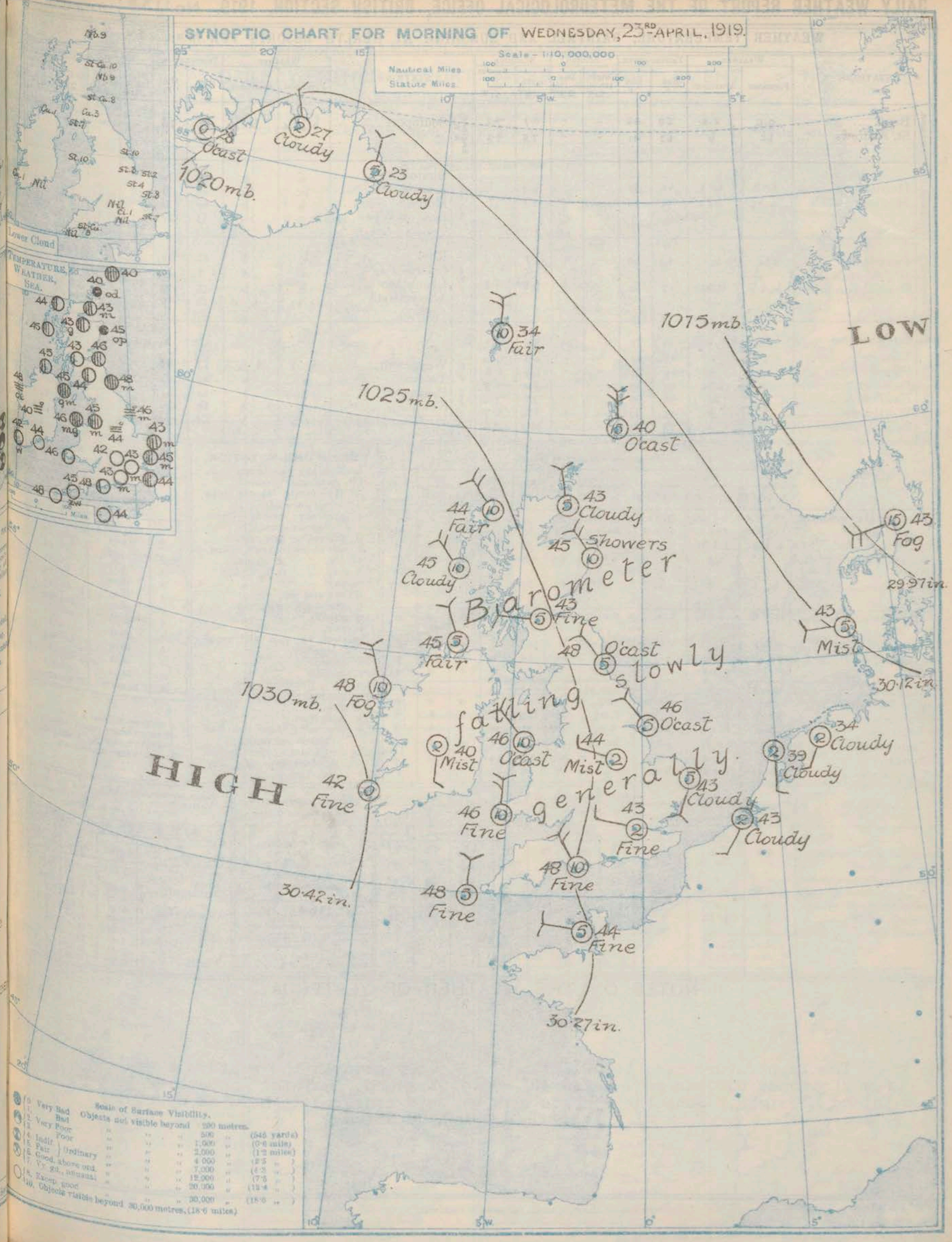


EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS.—
clear sky. sky ½ clouded. overcast sky. snow. ▲ hail. T thunder. sky ¼ clouded. rain falling. fog. thunderstorm.
SEA DISTURBANCE.—Rough High

GENERAL INFERENCE from observations received up to 10 a.m.

A depression over Scandinavia will cause local showers in Scotland, but elsewhere the weather is likely to be fine or dull.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Wednesday, 23rd April, 1919.	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	Light or moderate N or NW breezes; fine or dull; moderate temperature	A large anti-cyclone out in the Atlantic is likely to cause fair or fine weather over the greater part of the British Isles during the next two days.
11. E. Scotland	Moderate NW breeze; cloudy, some showers, moderate temperature.	
12. S.W. Scotland 13. Isle of Man	Same as districts 1 - 10	
14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Same as district 11	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Same as districts 1 - 10	


SYNOPTIC CHART FOR MORNING OF WEDNESDAY, 23RD APRIL, 1919.
Scale - 1/10,000,000
Nautical Miles
Statute Miles
Lower Cloud
TEMPERATURE, WEATHER, SEA.
28 O'cast
27 Cloudy
23 Cloudy
1020mb.
34 Fair
1075mb.
LOW
1025mb.
40 O'cast
44 Fair
43 Cloudy
45 Showers
45 Cloudy
43 Fog
29·97in.
Barometer
43 Fine
43 Mist
45 Fair
48 O'cast
30·12in.
slowly
falling
generally
1030mb.
48 Fog
46 O'cast
HIGH
40 Mist
46 O'cast
44 Mist
34 Cloudy
39 Cloudy
42 Fine
43 Cloudy
46 Fine
43 Fine
43 Cloudy
48 Fine
30·42in.
48 Fine
44 Fine
30·27in.
Scale of Surface Visibility.
0. Very Bad
1. Bad
Objects not visible beyond 200 metres.
2. Very Poor
3. Poor
4. Indif.
5. Fair
Ordinary
6. Good, above ord.
7. V. gd., unusual
8. Exceptn. good
9. Objects visible beyond 30,000 metres, (18·6 miles)
500 (546 yards)
1,000 (0·6 miles)
2,000 (1·2 miles)
4,000 (2·5 ")
7,000 (4·3 ")
12,000 (7·5 ")
20,000 (12·4 ")
30,000 (18·6 ")

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 113.B

WEDNESDAY APRIL 23RD

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

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 21st	Rainfall. Day. 9h-17h. 22nd	Sunshine. to 17h. 22nd	Sunshine. Sunrise to Sunset. 21st
Scotland,	Banff	o.c	c.o	58	46	-	-	0·7	4·5
	St. Andrews ...	bc	b	62	41	-	-	7·5	4·2
England, N.E.	Harrogate	bc.b	bc.b	61	35	-	-	9·7	?
	Skegness	o.bc	bc.o	52	34	-	-	2·8	?
England, E.	Felixstowe	c.bc	bc	48	34	-	-	3·3	5·7
	Walton-on-Naze...								
	Southend-on-Sea...	bc.c.o	c.bc	52	38	-	-	2·6	5·8
England, S.E.	Littlehampton	*	*	50	33	-	-	8·0	6·7
	Margate	c	c	45	40	-	-	0·5	0·6
	Ramsgate	*	o	46	40	-	-	1·0	1·8
	Hastings	o	b.bc	50	39	-	-	2·0	2·8
	Eastbourne... ...	c	bc	49	39	-	-	2·0	3·6
	Worthing	b	b	50	33	-	-	5·8	9·7
	Bournemouth ...	*	*	53	31	-	-	10·0	12·0
England, N.W.	Southport	b.bc.c	bc.b	52	36	-	-	9·7	?
Midlands.	Buxton	*	*	56	31	-	-	8·9	?
	Leamington Spa...	bc	bc	60	31	-	-	7·2	?
	Malvern	b	b	60	33	-	-	11·0	12·0
	Ross-on-Wye ...	bxm.b	by.	63	32	-	-	11·1	?
Wales.	Rhyl	b	b	51	35	-	-	10·2	11·9
	Colwyn Bay ...	*	*	?	37	-	-	9·2	?
	Llandudno	b	b	56	38	-	-	8·9	12·6
	Aberystwyth ...	c.bc	b.	50	45	-	-	10·0	*
England, S.W.	Weymouth	bc.b	b.bc	53	35	-	-	10·0	?
	Torquay	b	b	49	42	-	-	9·4	12·1
	Penzance	b	b	61	41	-	-	11·1	?
	Newquay	b	b	50	36	-	-	10·2	12·1
	Weston-s-Mare ...	bc.b	b	54	35	-	-	9·5	12·8

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-13h 22nd	Weather 13h-18h 22nd	Weather 18h 22nd-1h 23rd	Weather 1h-7h 23rd	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)...	pd₀.bc.c	o f₁.pd₀	d₀.prs,	r.p d.	50	39	*	*	*	*
Eskdalemuir	bcz.czy	cyz.cz	czo m	om.o.c	58	37	27	-	-	7·3
†Stranraer	b.bcz	z.b.bc		bc.c	57	35	*	*	*	*
†Lough Foyle		cz		cf₂	56	44	*	*	*	*
Valencia (Cahirciveen) ...	bc.b	b	bc	bw	52	37	34	-	-	12·9
†Anglesey (Llangefni) ...	bc.c①	c.oz	b.bc	c.ow	55	32	*	*	*	*
Falmouth	c.bcz		b	b.bw	51	42	32	-	-	10·3
†Calshot (Hants)	c.o	bc.c	c.o	bc.c	56	34	*	*	*	*
†Capel (Folkestone)... ...	cv	c.ov		c.oz	47	37	*	*	*	*
Aberdeen	bcm bz	oy.bc	r₁.d₀	bcz.ob	61	43	38	-	-	8.4
†East Fortune	coq	bc.cz₂	q.b.bc	*cz₂	57	44	*	*	*	*
†Howden	b.bcz	bc.c①		c.of₁	63	32	*	*	*	*
†Felixstowe	cov	bc.cv	b.o	cz₂	48	33	*	*	*	*
†Cranwell (Lincs) ...		c.o.bc	oz	bc.c.o	59	40	*	*	*	*
Benson	bce	bce	*	b.bc	57	33	29	-	-	*
London (Kew Obsy.) ...	om.bcy	bcy.bzy.	bm	czy.obm	55	38	32	-	-	3·4

BEAUFORT NOTATION.

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.
e wet air without rain falling.
f fog. g gloom.
h hail. l lightning.
m mist.
o overcast sky.
p passing showers.
q squalls.
r rain.
rs sleet, *i.e.*, rain and snow together.
s snow.
t thunder.
u ugly, threatening sky.
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.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Limits of Velocity. 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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

LONDON. OBSERVATIONS.

	Weather. Morning	Weather. Afternoon	Weather. Night	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours.	Humidity % 15 h. G.M.T.	Humidity % 9 h. G.M.T.
	24 HOURS ENDED 9H G.M.T. 23rd							YESTERDAY.		TO-DAY.
Greenwich (Royal Observatory)	o.b	bz	bz	56	39	30	-	4·3	52	77
City (Bunhill Row)	*	*	*	*	*	*	*	3·3	*	*
Westminster (St. James's Park)	*	*	*	7	40	36	-	2·5	48	74
" (Admiralty Arch)	om.bc	bc.om	om	57	41	*	-	3·0	45	71
Camden Sq. (British Rainfall)	*	*	*	63	41	37	-	4·1	*	72
Kensington Palace	b	b.bc	*	56	41	32	-	*	*	68
Richmond Park	*	*	*	*	*	*	*		*	*

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total .....1164..... Joules.

Average Rate 22·8 Milliwatts.

Maximum Rate. 59 ..

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

23rd & 24th April ..... 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth ...	4.41	11.51	7.1
	4.39	11.51	7.2
Greenwich	4.51	11.58	7.6
	4.49	11.58	7.7
Wick ...	4.43	12.10	7.38
	4.41	12.10	7.40
Valencia ...	5.31	12.39	7.49
	5.29	12.39	7.49

NOTES ON THE WEATHER OF YESTERDAY.

The temperature rose to 60° at a few stations, but was well below 40° inland at night. Sunshine records were very good in the south and west of England. Rainfall amounting to 1mm was measured at Lerwick, Stornoway and Nairn.

† Air Ministry Station

* Information for these columns not usually received.

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METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No. 20,972 B ....THURSDAY, 24TH APRIL, 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form.	Upper Cloud. Amt. 0-10.	Sea 0-9.
	18H G.M.T. of 23RD													
†Houton B. (Orkney)	[illegible]	0	NNW	5	41	c	[illegible]	[illegible]	[illegible]	st.cu	10	-	-	3
Eskdalemuir ...	1022.0	-3	NNW	3	49	oy	55	6	4-5000	st.cu	10	—	-	*
†Stranraer ...	1024.4	-2	NNW	4	50	o	75	6	1½-2000	st.cu	5	Ast	5	*
†Lough Foyle ..	1025.1	-2	NNW	4	49	c	75	8	3-1000	Cu	3	A.st	4	2
Valencia (Cahirc'n)	1028.9	-1	NNW	3	55	bc	75	8	2-3000	Cu	4	—	-	2
†Anglesey (Llangefni)	1025.0	-3	N	4	52	o	75	8	2-3000	st.cu	10	-	-	3
Falmouth ...	1024.7	-2	NW	4	57	bz	55	5	-	Cu	1	—	-	*
†Calshot (Hants) ...	1021.2	-2	N	1	60	o	75	5	4-5000	st.cu	6	-	-	3
†Capel (Folkestone)	1021.2	-2	SW	1	45	om	87	4	3-4000	st.	10	-	-	2
Aberdeen ...	1021.7	-1	NNW	3	48	o	65	8	-	Cu	9	-	-	3
†East Fortune ...	1022.2	-4	WNW	2	52	o	55	6	2-3000	st.cu	8	-	-	*
†Howden ...	1021.4	-2	ESE	3	51	o	82	4	2-3000	st.cu	9	-	-	*
†Felixstowe ...	1019.7	-1	N	2	52	o	87	3	2-3000	bc	9	-	-	3
†Cranwell (Lincs)														*
Benson ...	1021.3	-3	N	4	52	o	82	3	-	-	-	-	-	*
London (Kew Ob.)	1021.2	-2	N	3	55	o	65	5	-	st.cu	8	A.st	2	*
	1H G.M.T. of 24TH													
†Houton B. (Orkney)	1018.7	-3	NW	2	35	c	92	6	-	-	-	-	-	2
Eskdalemuir ...	1019.2	-4	NNW	1	32	bz	92	4	-	st.	1	-	-	*
†Stranraer ...														
†Lough Foyle ...														
Valencia (Cahirc'n)	1025.3	-3	NNE	3	48	bc	-	-	-	-	-	-	-	-
†Anglesey (Llangefni)	1021.3	-2	-	0	39	c	92	5	3-4000	st.cu	4	Ci	3	3
Falmouth ...	1022.5	-3	NNW	1	48	o	95	6	-	Cu.Nb	10	-	-	*
†Calshot (Hants) ...	1018.9	-1	NW	3	45	b	87	6	?	st	3	-	-	4
†Capel (Folkestone)														
Aberdeen ...	1018.7	-3	WNW	2	37	b	95	4	2-3000	Cu.Nb	3	-	-	*
†East Fortune ...	1018.7	-3	-	0	42	o	92	-	3-4000	st.cu	9	-	-	*
†Howden ...														*
†Felixstowe ...	1017.9	-2	N	2	42	o	95	-	2-3000	st.	9	-	-	3
†Cranwell (Lincs)	1019.1	-1	-	0	41	om	92	4	1½-2000	st.	10	-	-	*
Benson. ...														*
London (Kew Ob.)	1018.1	-1	NNE	2	47	o	-	-	-	-	-	-	-	*

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form.	Upper Cloud. Amt. 0-10.	Sea 0-9.
	18H G.M.T. of 23RD													
†Houton B. (Orkney)	1021.2	-1	N	4	39	o	75	8	4-5000	st.cu	10	-	-	2
Eskdalemuir ...	1020.2	-2	NW	3	49	bcyz	55	6	-	st.cu	6	-	-	*
†Stranraer ...	1022.3	-3	NW	6	47	bc	75	8	2-3000	Cu	1	Ci.st	5	*
†Lough Foyle ..	1026.1	-1	NNW	4	46	c	92	8	2-3000	Cu	4	A.st	1	2
Valencia (Cahirc'n)	1027.2	-2	NW	3	51	o	92	7	½-1000	st.	10	-	-	2
†Anglesey (Llangefni)	1023.2	-2	N	3	47	c	92	8	3-4000	st.cu	2	Ci.st	6	3
Falmouth ...	1023.3	-1	NNW	4	51	cm	-	-	-	-	-	-	-	*
†Calshot (Hants) ...	1019.4	-2	N	2	55	o	82	7	?	?	?	-	-	2
†Capel (Folkestone)	1018.9	0	NNE	2	49	o	87	-	1-1500	st	10	-	-	2
Aberdeen ...	1020.6	-1	NNW	3	44	c	82	8	-	st.cu	7	-	-	3
†East Fortune ...	1020.2	-2	ENE	3	47	o	75	8	4-5000	st.cu	8	-	-	*
†Howden ...	1020.3	0	NE	2	48	o	75	7	3-4000	st.cu	9	-	-	*
†Felixstowe ...	1018.8	-2	NNE	3	50	o	92	3	1½-2000	st.	5	-	-	3
†Cranwell (Lincs)	1019.4	-3	ENE	3	40	ct.	95	6	½-1000	Nb	4	A.st	4	*
Benson ...	1019.4	-2	NNW	4	53	o	75	3	-	st	5	-	-	*
London (Kew Ob.)	1018.8	-3	NNW	1	54	od.	75	5	-	st.	7	A.st	3	*
	7H G.M.T. of 24TH													
†Houton B. (Orkney)	1016.8	0	W	2	38	o	92	5	3-4000	st.	10	-	-	3
Eskdalemuir ...	1017.3	-1	NNE	2	35	ct.	92	5	1½-2000	st.	10	-	-	*
†Stranraer ...	1018.1	-1	NNW	2	40	ot.	92	7	1-1500	st.	9	A.st	1	*
†Lough Foyle ...	1021.4	0	N	3	42	o	92	6	½-1000	st.	10	-	-	3
Valencia (Cahirc'n)	1023.4	-1	NNW	3	47	o	87	8	1½-2000	Cu	10	-	-	3
†Anglesey (Llangefni)	1018.3	0	N	2	42	ot.	92	5	1-1500	st.	10	-	-	2
Falmouth ...	1019.1	-2	WNW	3	48	c	95	5	-	Cu	7	-	-	*
†Calshot (Hants) ...	1017.1	-2	NNW	3	45	om	92	4	?	st.	10	-	-	3
†Capel (Folkestone)	1016.3	-1	ENE	3	42	bc	92	7	-	st.cu	4	Ci	1	3
Aberdeen ...	1016.8	-1	NW	3	40	od.	95	7	-	Nb	10	-	-	2
†East Fortune ...	1017.4	-2	-	0	42	o	82	7	3-4000	st.	8	-	-	*
†Howden ...														*
†Felixstowe ...	1016.5	-2	N	2	41	o	92	3	1½-2000	st.cu	9	-	-	3
†Cranwell (Lincs)	1016.8	-2	-	0	40	ot.	92	3	1-1500	Nb	10	-	-	*
Benson. ...	1016.4	-1	-	0	41	o	92	3	-	st.	10	-	-	*
London (Kew Ob.)	1016.9	+1	WNW	1	43	om	87	4	-	st.cu	10	-	-	*

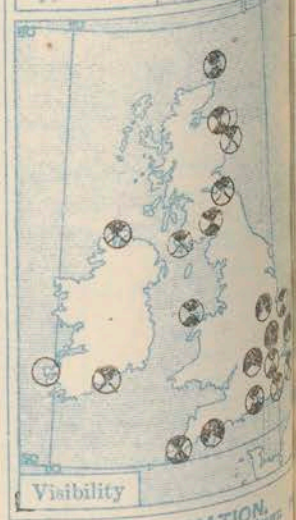
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather	Barometer. at M.S.L. m.b.	‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	18H G.M.T. of ...23RD					7H G.M.T. of ...24TH									24 HOURS ENDED 7H. ...24TH						...23RD
Lerwick ...	1018.9	38	N	4	o	1015.7	-1	35	-5	SE	1	-	bx	0	0.2	42	31	om	o	bx.	*
Stornoway ...	1022.2	45	NW	4	bc	1017.3	-1	43	-1	WSW	2	-	bc	1	1	48	30	op	o.bc	bc	9.3
Castlebay (Barra Is)	1023.9	45	NW	2	bc	1019.3	0	43	-2.	NW	2	-	bc	2	3	49	40	c.o.bc	bc	bc.	
Glasgow ...	1020.8	50	WNW	3	c	1017.8	0	39	-4	SSE	1	-	o	*	2	54	37	b.bc.c.o	o.c.o.c	b.bc.op	6.9.
Malin Head ...	1024.4	48	N	3	bc	1019.0	+1	42	-3	N	2	-	op	3	0.2	49	41	bc	bc	cp	9.4
Blacksod Point	1026.4	48	NNW	3	bc	1021.1	0	45	-3	N	4	-	bc	1	1	50	43	bc	bcv	og.bcp	*
Roche's Point ...	1026.7	53	NNW	2	o	1022.2	-1	46	+2	NW	2	-	bc	2	-	59	34	b.bc.c	c.o	o.b.bc	*
Birr Castle ...	1025.1	52	N	1	c	1021.1	*	44	+4	NW	2	-	c	*	-	58	39	bc	c	c	2.8
Donaghadee ...	1023.0	47	N	4	bc	1018.1	-1	41	-4	NNW	4	N	cgmgp	4	1	51	40	bcmq	bczq	b.ogmp	*
Liverpool (Bidston)	1019.4	48	WNW	3	bc	1016.4	-2	44	-1	WNW	3	W	o	3	-	50	42	o.bc.	bc	bc.o	5.6.
Holyhead ...	1023.0	47	NW	3	c	1017.7	-3	43	-3	NNW	5	-	orm	3	1	51	42	op.dc	c.o.c	b.o.cpr	2.5.
Pembroke (St. Ann's Head)	1024.3	49	NW	1	c	1019.1	-1	45	-1	NW	1	-	o	1	-	54	43	c	od.c	c.o.	5.0
Scilly (St. Mary's)	1025.1	51	NNW	4	bc	1021.6	-2	47	-1	NNW	5	NW	c	5	-	56	47	bm	bm.bc	c	11.5
Jersey (St. Aubin)	1021.0	53	WNW	3	b	1018.3	0	48	+4	NW	3	-	b	2	-	55	43	b	b	bw	11.2
Portland Bill ...	1020.5	55	NW	2	o	1017.9	-2	47	-1	NNW	4	N	bc	2	-	58	44	bc	bc.o	bc	*
Dungeness ...	1018.2	52	NNE	3	c	1015.9	-2	43	-1	NNE	3	N	c	2	1	52	42	c	c	c.op.o.c	*
Wick	1020.3	41	NE	3	og	1016.4	-1	40	-3	WNW	2	-	omd	2	4	48	34	cm.og	og.p	bc.omd	*
Nairn	1020.7	45	WNW	2	c	1017.3	*	41	-2	W	1	-	cg	1	1	50	37	cpgq	qc.bc	cg.d.	4.8
Leith	1020.0	47	NE	2	c	1017.1	0	41	-5	NW	1	-	o	2	1	54	40	c.bc	bc.b.bc	c.oro	*
Tynemouth ...	1020.5	45	-	0	o	1016.7	-1	40	-8	N	1	-	md	3	0.4	49	39	omg	om	omd.	*
Spurn Head ...	1019.9	45	N	3	c	1016.5	-1	43	-6	NW	1	-	o	2	-	54	41	od.m	om.o.c	og.ov	0.0.
Yarmouth (Gorleston)	1017.7	47	N	5	bc	1015.5	0	40	-3	N	4	-	o	3	-	58	37	cm.om	om	om	0.0.
Clacton-on-Sea	1018.3	51	NW	3	o	1016.2	0	42	-3	NW	2	-	c	1	1	56	40	com	omg	og.rc	0.1
Nottingham ...	1019.6	51	WNW	3	o	1015.9	*	43	-1	NW	1	-	dm	*	1	55	39	om	ogm	o	0.0

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARY OF CONDITIONS AT 7 A.M. Thursday, 24th April, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	NW-NE. 5-10	Moderate	Cloudy or dull; local mist.	Variable	Slight
2. E. England	N-NW. up to 15	Rather cold	Cloudy or dull.	"	Slight
3. E. Midlands	Calm or NW. 2	Moderate	Dull, local drizzle, misty	Poor	-
4. W. Midlands	NW. 2-10	Moderate	Dull	-	-
5. S.W. England	N-NW. 10-20	"	Variable sky, local fog	Variable	Slight
6. South Wales	NW. 2	"	Dull	Ordinary	Smooth
7. North Wales	N-NW. 10-20	"	Dull, some rain & mist.	"	Slight
8. N.W. England	NW. 10	"	Dull	"	"
9. N. Midlands	NW. 2-5	"	Dull, some rain.	Poor	-
10. N.E. England	N-NW. 2	"	Dull, local rain & mist.	"	Slight
11. E. Scotland	W-NW. 2-10	"	Cloudy or dull, local rain.	Variable	Smooth
12. S.W. Scotland	Variable 2-10	Rather cold	Dull, some rain & sleet.	"	Slight
13. Isle of Man	NNW. 5-15	Moderate	Dull, some showers	-	Mod.
14. N.& N.W. Scotland	WSW-WNW. 5	"	Fair to dull, local rain & mist.	-	Smooth
15. Hebrides	Light variable	"	Fair	Ordinary	Smooth
16. Orkneys and Shetlands	"	Cold	Variable cloud	"	Smooth
17. N.W. Ireland	N. 10-15	Moderate	Fair to dull; some showers.	Good	Smooth
18. N.E. Ireland	NNW-N. 5-15	"	Dull, some showers, local mist.	Variable	Mod.
19. S.E. Ireland	NW. 5	"	Cloudy	Good	Smooth
20 S.W. Ireland	NW-NNW. 5-15	"	Fair to dull.	V. good	Slight



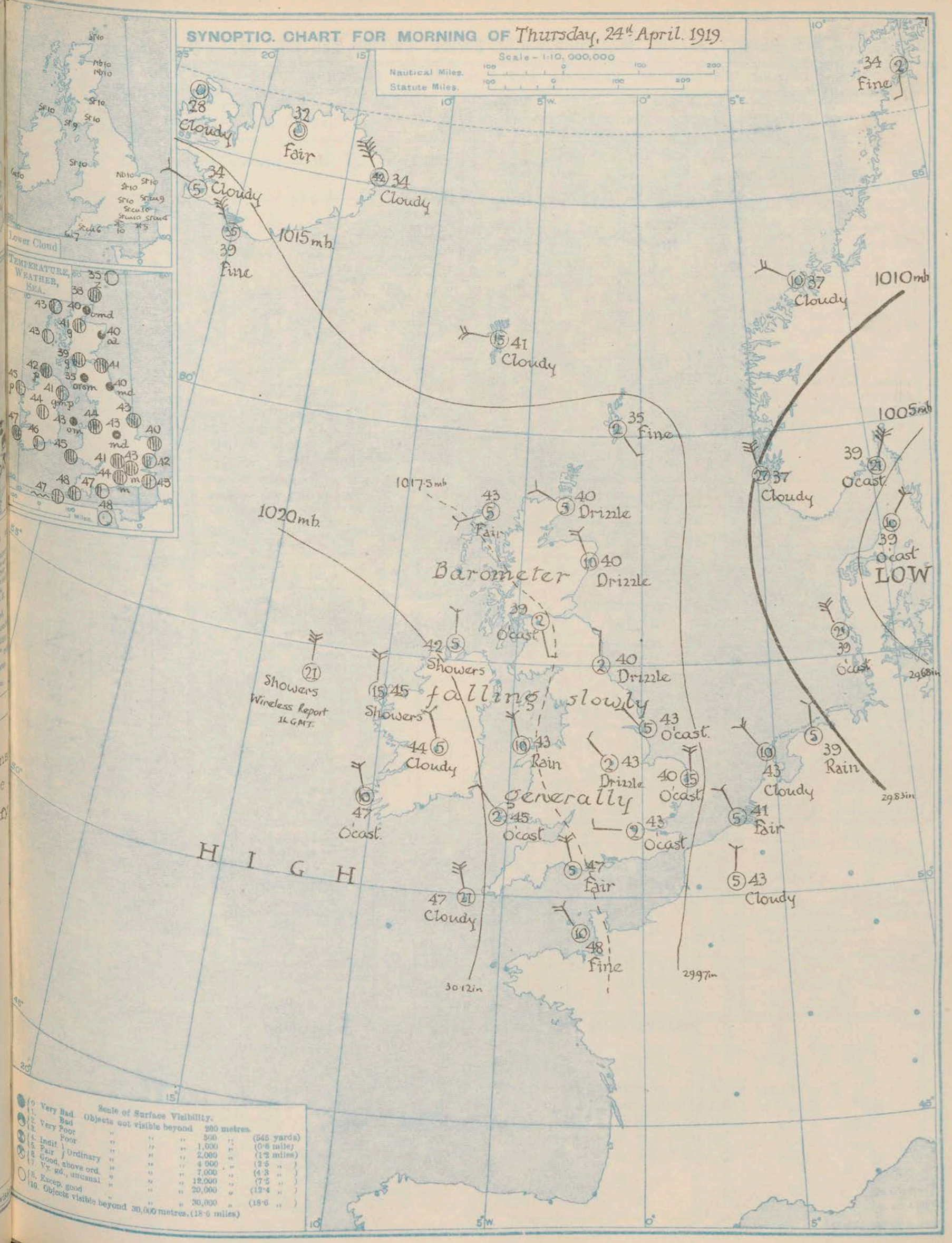
EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS.—
clear sky. sky ½ clouded. overcast sky. snow. hail. thunder. sky ½ clouded. rain fog thunderstorm.
SEA DISTURBANCE.—Rough High

GENERAL INFERENCE from observations received up to 10 a.m.

A gradual dispersal of the anticyclone to the west of Ireland is bringing about a less settled type of weather.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Thursday, 24th April, 1919	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	Light or moderate NW. breeze. Fair or dull, local showers. Cool.	The indications are not definite enough to justify an extension of the forecasts beyond 24 hours ahead.
11. E. Scotland	Light to moderate NW. to W. breeze. Fair or dull, local showers. Cool.	
12. S.W. Scotland 13. Isle of Man	Same as for 1-10	
14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Same as for 11	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Same as for 1-10	

Meteorological Office, Exhibition Road, London, S.W. 7. H. G. LYONS, Col., Director. R. G. K. LEMPFERT, C.B.E., Superintendent Forecast Divisi


SYNOPTIC. CHART FOR MORNING OF Thursday, 24th April. 1919.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
Lower Cloud
TEMPERATURE, WEATHER, SEA.
28 Cloudy
32 Fair
34 Cloudy
34 Cloudy
39 Fine
1015mb
34 Fine
37 Cloudy
1010mb
41 Cloudy
35 Fine
1005mb
37 Cloudy
39 O'cast
1017.5mb
43 Fair
40 Drizzle
1020mb
40 Drizzle
Barometer
39 O'cast
LOW
42 Showers
40 Drizzle
39 O'cast
21 Showers
Wireless Report 1L GMT.
15 45 Showers
falling slowly
43 O'cast.
44 Cloudy
43 Rain
43 Drizzle
39 Rain
43 Cloudy
40 O'cast
generally
47 O'cast.
45 O'cast
43 O'cast
41 Fair
HIGH
47 Fair
43 Cloudy
47 Cloudy
48 Fine
29.68in
29.83in
29.97in
30.12in
Scale of Surface Visibility.
0. Very Bad. Objects not visible beyond 200 metres.
1. Bad
2. Very Poor
3. Poor
4. Indif.
5. Fair
6. Ordinary
7. Good, above ord.
8. Yy. gd., unusual
9. Excep. good
10. Objects visible beyond 30,000 metres. (18·6 miles)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 114B {Thursday April 24th}

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

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 22nd	Rainfall. Day. 9h-17h. 23rd	Sunshine. to 17h. 23rd	Sunshine. Sunrise to Sunset. 22nd
Scotland.	Banff	c.o	bc.c	48	43	1	0.4	3.2	0.7
	St. Andrews ...	c	c	55	44	-	-	1.1	8.6
	Montrose	-	-	58	44	-	0.3	1.2	?
England, N.E.	Harrogate	bc.	bc.o	57	41	-	-	2.2	9.7
	Skegness	o	op	48	42	-	0.2	0.0	2.8
England, E.	Felixstowe	cm.	cm	55	42	-	-	0.1	4.0
	Walton-on-Naze...								
	Southend-on-Sea...	bc.c.om	om	57	42	-	-	1.0	3.3
England, S.E.	Littlehampton	-	-	58	38	-	-	6.5	8.0
	Margate	o	o	53	43	-	-	0.0	2.0
	Ramsgate	-	-	53	39	-	0.1	0.0	1.1
	Hastings	o.bc.b	bc.o	53	40	-	-	3.8	2.3
	Eastbourne... ...	bc.	o	55	39	-	-	3.5	2.2
	Worthing	b.	o	56	38	-	-	6.3	7.4
	Bournemouth ...	-	-	60	41	-	-	10.0	11.0

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 22nd	Rainfall. Day. 9h-17h. 23rd	Sunshine. to 17h. 23rd	Sunshine. Sunrise to Sunset. 22nd
England, N.W.	Southport	o.c.bc.c	d.c.bc.c	51	44	-	-	5.7	10.5
Midlands.	Buxton	-	-	54	39	-	-	1.5	8.9
	Leamington Spa...	o.c.b	o.c.b	57	41	-	-	0.5	8.0
	Malvern								
	Ross-on-Wye ...	bc.c	c.o.bc.c	59	37	-	-	1.1	12.1
Wales.	Rhyl	c	c.bc	50	44	-	-	3.8	11.2
	Colwyn Bay ...	-	-	51	44	-	-	3.0	11.0
	Llandudno	o	c.b.	51	44	-	-	3.6	11.7
	Aberystwyth ...	o.c.o	o.c.b	49	45	-	-	2.0	10.6
England, S.W.	Weymouth	b.	b.bc.c	65	42	-	-	9.5	10.0
	Torquay	b	b	61	42	-	-	11.2	10.3
	Penzance	b	b.bc	59	42	-	-	10.5	12.1
	Newquay	b	b	51	41	-	-	10.4	11.3
	Weston-s-Mare ...	bc.c.bc.	bc.c	55	40	-	-	5.6	10.6

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-13h 23rd	Weather 13h-18h 23rd	Weather 18h-1h 24th	Weather 1h-7h 24th	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)...	c.oq	c	*	bc.c	38	34	*	*	*	*
Eskdalemuir	bc.cy.oy.	cyz	q.c3 b3	b3.o.om	59	31	25	-	1	1.6
†Stranraer	c.o	bc.cr.	-	cr.	57	36	*	*	*	*
†Lough Foyle	bc.cr.	po r.	-	p.	*	*	*	*	*	*
Valencia (Cahirciveen) ...	b.bc	bc.o	bc	opo	56	42	43	-	0.2	1.0
†Anglesey (Llangefni) ...	o.po	c.o ⊕	c.o	opo	55	34	*	*	*	*
Falmouth	byz.	bz.bcz	b.bc.c	o.c	59	44	41	-	-	10.8
†Calshot (Hants)	bc.cz	om	of	c.o	61	41	*	*	*	*
†Capel (Folkestone)... ...	cz	zg	-	c.ov	53	37	*	*	*	*
Aberdeen	opc	opc.	sp.bc.	c.odp	51	38	33	trace	1	2.9
†East Fortune	c.o	c.o	c.ot	c.zc	55	41	*	*	*	*
†Howden	c.op	cr	c.zx.o				*	*	*	*
†Felixstowe	bc.cz	c.oz	bc.c.p.	bc.c.p.	56	41	*	*	*	*
†Cranwell (Lincs) ...	-	og	-	c.o.p.	53	33	*	*	*	*
Benson	b	o	-	-	55	34	29	-	-	*
London (Kew Obsy.) ...	bmbzo	ogro	o	o.bc.om	58	41	30	-	trace	4.9

BEAUFORT NOTATION.

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.
e wet air without rain falling.
f fog. g gloom.
h hail. l lightning.
m mist.
o overcast sky.
p passing showers.
q squalls.
r rain.
rs sleet, *i.e.*, rain and snow together.
s snow.
t thunder.
u ugly, threatening sky.
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.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Limits of Velocity. 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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

LONDON. OBSERVATIONS.

24 HOURS ENDED 9H G.M.T. 24th

	Weather. Morning	Weather. Afternoon.	Weather. Night.	Max. Temp. °F.	Min. Temp °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours. Yesterday.	Humidity % 15 h. G.M.T. Yesterday.	Humidity % 9 h. G.M.T. To-day.
Greenwich (Royal Observatory)	o,cm	o,cm	o-d	60	39	27	-	2.4	76	77
City (Bunhill Row)	*	*	*	*	*	*	*	1.2	*	*
Westminster (St. James's Park)	*	*	*	60	42	37	-	1.6	74	81
" (Admiralty Arch)	bcm	c,om, ogd	o, bc,c	60	43	*	-	1.7	67	75
Camden Sq. (British Rainfall)	bc	bc,c	*	61	39	36	-	2.5	69	77
Kensington Palace	o	o	*	59	40	33	trace	*	*	76
Richmond Park	*	*	*	*	*	*	*		*	*

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total .....827..... Joules.

Average Rate. 16·1 Milliwatts.

Maximum Rate. 59 " "

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

24th & 25th April 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth ...	4.39 / 4.37	11.51 / 11.51	7.14 / 7.12
Greenwich	4.40 / 4.37	11.58 / 11.58	7.10 / 7.8
Wick ...	4.41 / 4.38	12.10 / 12.10	7.40 / 7.42
Valencia ...	5.29 / 5.27	12.39 / 12.38	7.50 / 7.52

NOTES ON THE WEATHER OF YESTERDAY.

The temperature nowhere exceeded 60°. Some rain fell in various localities, 4 mm. at Wick, 2 mm. at Glasgow, and 1 mm. at a number of stations. Many hours of bright sunshine were experienced on the south coast of England and at Stornoway and Malin Head.

† Air Ministry Station

* Information for these columns not usually received.

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METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No. 20,973 B .....FRIDAY, 25TH APRIL...1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud Form	Upper Cloud Amt. 0-10.	Sea 0-9.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud Form	Upper Cloud Amt. 0-10.	Sea 0-9.
	13H G.M.T. of ....24TH.....														18H. G.M.T. of ....24TH.....													
†Houton B. (Orkney)	1015.6	-1	NW	7	44	c	82	8	1½-2000	Cu.Nb	8	-	-	3	1015.1	-1	WNW	7	42	or.	92	5	1-1500	Nb	9	-	-	4
Eskdalemuir ...	1017.7	+1	NNW	3	50	c	55	6	2-3000	Cu	8	-	-	*	1017.6	0	WNW	3	45	o	75	7	7-9000	-	-	A.Cu	9	*
†Stranraer ...	1019.7	+3	NNW	5	48	bv	65	8	1½-2000	Cu	3	-	-	*	1020.2	+2	NW	4	47	b	75	8	3-4000	st.cu	1	A.st	3	*
†Lough Foyle ...	1023.2	0	NNW	4	47	c	82	8	1-1500	st	7	-	-	3	1023.3	0	NNW	4	48	c	87	8	2-3000	Cu	8	-	-	2
Valencia (Cahirc'n)	1024.1	+1	NNW	6	50	bc	65	10	2-3000	Cu	5	-	-	3	1024.8	+1	NNW	4	50	bc	75	10	2-3000	Cu	5	-	-	3
†Anglesey (Llangefni)	1019.2	+1	N	6	45	o	75	8	1½-2000	st	10	-	-	5	1020.1	+3	NNE	4	46	b	75	8	3-4000	Cu	1	A.st	1	5
Falmouth ...															1019.5	+1	N	4	49	b	-	-	-	-	-	-	-	*
†Calshot (Hants) ...	1018.9	0	NNW	6	51	c	65	5	-	Cu	8	-	-	*	1016.4	+4	N	3	46	o	97	5	1½-2000	st.	10	-	-	4
†Capel (Folkestone)															1016.0	0	NE	2	39	od.	92	5	½-1000	Nb	10	-	-	2
Aberdeen ...															1016.2	0	NNW	3	47	bc	65	8	-	-	-	A.st	9	2
†East Fortune ...	1016.3	-1	NW	4	51	c	55	8	-	Cu	7	-	-	2	1016.8	0	W	3	50	or.	65	8	2-3000	Cu.Nb	9	-	-	*
†Howden ...	1017.7	0	?	?	50	c	65	7	5-7000	st.cu	4	A.Cu	3	*	1017.5	+1	NNE	3	48	b	55	7	3-4000	Fr.Cu	2	-	-	*
†Felixstowe ...	1016.3	+1	N	3	45	od.	75	6	2-3000	st.cu	10	-	-	*	1016.4	+1	-	0	42	or.f.	97	4	-	Nb	5	A.st	5	2
†Cranwell (Lincs)	1016.0	-0	WNW	2	43	od.	92	4	-	Nb	10	-	-	2	1017.4	+1	NNE	3	45	b	75	7	1½-2000	st.cu	1	Fa.Cu	1	*
Benson ...														*	1017.0	+2	NNE	3	43	o	87	6	-	st.	10	-	-	*
London (Kew Ob.)	1014.9	-2	NNE	2	47	d.	82	3	-	-	-	-	-	*	1016.8	+2	NE	3	44	c	75	5	-	st.cu	5	Ast	3	*
	1015.5	0	-	0	45	or.	87	5	-	st.cu	8	A.st	2	*														
	1H. G.M.T. of ...25TH...														7H. G.M.T. of 25TH													
†Houton B. (Orkney)	1012.6	-5	WNW	7	40	o	92	5	2-3000	st.	10	-	-	-	1010.6	0	NW	5	38	od.	92	5	2-3000	st.	5	A.st	5	4
Eskdalemuir ...	1017.4	-1	NW	4	38	b	82	7	-	Cu	1	-	-	*	1016.2	-1	WSW	3	41	o	75	7	2-3000	Nb	10	-	-	*
†Stranraer ...															1017.5	-2	NW	3	44	o	82	2	5-7000	st	2	Ci.st.	8	*
†Lough Foyle ...															1018.6	-3	W	6	45	o	92	6	2-3000	Cu	7	-	-	3
Valencia (Cahirc'n)	1025.1	0	NNW	3	46	bc	-	-	-	-	-	-	-	-	1024.2	0	-	0	45	c	87	10	1-1500	st.cu	3	A.st	3	2
†Anglesey (Llangefni)	1021.1	+1	N	2	37	b	97	3	5-7000	-	-	A.st	2	4	1023.1	0	W	1	44	o	92	7	3-4000	st.cu	6	A.st	4	3
Falmouth ...															1022.9	+1	-	0	41	bz	97	5	-	-	-	-	-	*
†Calshot (Hants) ...	1022.1	0	N	2	40	b	97	5	-	-	-	-	-	*	1020.1	0	NW	4	41	b	92	4	-	-	-	-	-	4
†Capel (Folkestone)	1020.7	+2	NNW	3	39	bc	97	7	5-7000	st.cu	5	-	-	3	1018.0	0	NNW	4	39	o	92	5	-	st.	8	-	-	4
Aberdeen ...															1012.8	-1	W	3	44	o	82	7	-	st.	9	-	-	2
†East Fortune ...	1014.5	-2	WNW	3	41	o	92	4	3-4000	st.cu	10	-	-	*	1014.5	-3	WSW	4	45	c	75	5	4-5000	st.cu	4	Ci.st	3	*
†Howden ...	1016.9	0	SW	3	44	bc	75	-	5-7000	st.cu	7	-	-	*	1016.8	-1	W	3	43	or	82	3	4-5000	st.cu	10	-	-	*
†Felixstowe ...														*														
†Cranwell (Lincs)	1017.8	0	NW	2	38	o	97	-	-	-	-	-	-	2	1017.5	0	NW	2	42	bz	97	2	-	-	-	-	-	2
Benson ...	1017.3	-1	WNW	3	37	bc	92	5	2-3000	st.	4	-	-	*	1017.4	0	WNW	3	42	bc	92	5	3-4000	st.	4	Ci.Cu	2	*
London (Kew Ob.)														*	1018.8	+1	W	2	41	b	82	4	-	-	-	-	-	*
	1018.5	0	NW	1	40	b	-	-	-	-	-	-	-	*	1019.0	+1	WSW	1	40	bz	92	4	-	st.cu	1	A.Cu	1	*

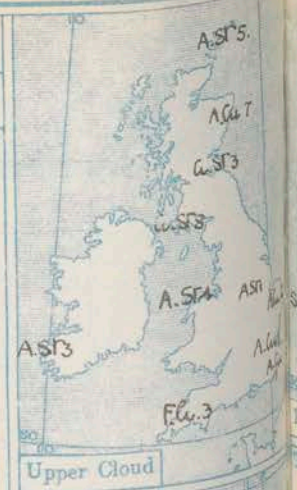
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

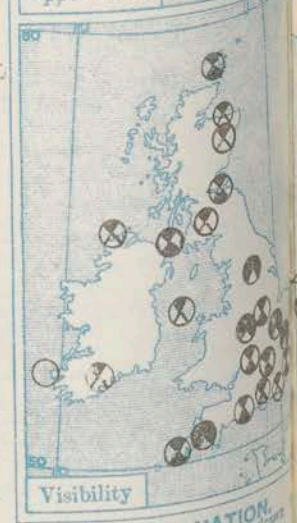
STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	Barometer. at M.S.L. m.b.	Barometer. ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	18H. G.M.T. of ...24TH.....					7H. G.M.T. of ...25TH									24 HOURS ENDED 7H. 25TH						...24TH...
Lerwick ...	1011.6	45	NW	3	ocm	997.8	-3	39	+4	NW	1	-	c	?	1	46	?	cm	omp	cmp	*
Stornoway ...	1017.0	48	NW	4	c	1011.5	-4	44	+1	WSW	2	-	op	2	2	51	40	bc	bc.c	op	9.3
Castlebay (Barra Is)	1020.6	48	WNW	4	c	1014.1	-4	45	+2	WNW	4	-	o	3	1	49	43	bc.b	bc	op.	10.2
Glasgow ...	1017.5	48	WNW	4	c	1015.2	-2	43	+4	SW	3	-	c	*	-	54	38	o.c.c.b.c	c.bc	c.b.bc.c	7.4
Malin Head ...	1021.0	47	NW	3	bc	1016.5	-3	44	+2	W	4	W	cqp	4	2	49	42	bc	bc	cqp	9.7
Blacksod Point	1024.0	48	NNW	3	bcv	1020.4	-2	45	0	SW	4	-	bc	3	0.2	51	42	bcv	bcv	bc.bcp	*
Roche's Point ...	1022.3	53	N	3	o	1023.1	0	43	-3	NW	1	-	bc	1	Trace	57	40	bc.c	c.o	b.bc	*
Birr Castle ...	1022.6	50	N	2	c	1021.9	*	44	0	W	1	-	c	*	-	55	35	c	c	c	5.3
Donaghadee ...	1020.0	48	N	5	bc	1017.8	-1	43	+2	NW	4	NW	cgm	3	-	50	40	bcm	bq.bcm	bcmgq	*
Liverpool (Bidston)	1019.3	46	NW	4	b	1018.2	-1	41	-3	WNW	4	-	o	3	-	50	41	op.bc.o	c.bc	bc.o	4.3
Holyhead ...	1020.2	48	N	4	b	1019.7	0	45	+2	WNW	4	NW	og	3	1	49	42	op.c	c.bc.b	b.bc.c.o	8.5
Pembroke (St. Ann's Head)	1020.7	46	N	5	bv	1022.3	0	45	0	NW	2	NW	b	1	1	51	40	o.c	bv	b	8.9
Scilly (St. Mary's)	1021.1	51	N	4	bc	1023.7	+1	48	+1	NE	1	NE	b	3	-	54	44	c.bc	bc	b	10.6
Jersey (St. Aubin)	1016.5	50	WNW	3	b	1021.4	+1	46	-2	N	2	-	b	2	-	53	42	b.og	og.b	bc.bw	6.3
Portland Bill ...	1016.3	48	N	4	c	1020.5	+1	46	-1	WNW	3	-	b	2	-	52	39	bc.c	c.bc	bc.b	*
Dungeness ...	1015.3	41	NE	2	r	1017.6	+1	38	-5	NW	3	N	bc	2	4	49	32	cr	cr	cp.bcx	*
Wick	1015.6	46	WNW	4	o	1010.9	-2	41	+1	WNW	3	-	r	2	1	49	36	omp.bc	bc.gq	b.ompg	*
Nairn	1016.6	47	WNW	2	c	1012.4	*	43	+2	NW	1	-	cg	1	1	51	40	bcp.rc	cp	cdg	2.4
Leith	1016.5	51	W	1	c	1014.4	-1	44	+3	W	2	-	o	2	-	52	41	cu.t.bc	bc.c.o.c	cu.cmo	*
Tynemouth ...	1016.9	46	NE	1	bc	1015.3	-1	42	+2	WNW	2	-	cm	2	-	49	40	bcm	bc	cm.	*
Spurn Head ...	1017.1	44	NNW	4	bcv	1016.7	0	44	+1	WNW	3	-	c	3	-	46	41	c	c.bcv	c	4.3
Yarmouth (Gorleston)	1015.0	42	NNE	5	bcq	1016.2	0	39	-1	NW	3	-	bcm	3	1	59	36	om	or.bcp	bcq.cm	0.4
Clacton-on-Sea	1015.8	42	ENE	2	bc	1017.3	+1	41	-1	NW	3	-	cm	2	4	44	35	c.or	op.c.bc	bc.bm	0.1
Nottingham ...	1017.6	46	N	1	bc	1017.7	*	42	-1	SW	1	-	bm	*	6	?47	37	r	r.o.c	bm	1.5

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARY OF CONDITIONS AT 7 A.M. Friday, 25th April, 1919.

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	W-NW 10-20	rather cold.	Mainly fair or fine	ord.	Mod.
2. E. England	NW 5-10		Fine to cloudy, local mist	poor	slight
3. E. Midlands	Var. 2-10	Mod.	Fine or fair; light mist locally.	poor	–
4. W. Midlands	NW 5-10	Mod	Variable cloud.	–	–
5. S.W. England	Var. 2-10	Mod.	Fine or fair; local fog.	Var.	smooth
6. South Wales	NW 5	Mod.	Fine	Ord.	smooth
7. North Wales	WNW up to 15	Mod.	Dull	v.good	slight
8. N.W. England	WNW 15	Mod.	Dull	Ord.	slight
9. N. Midlands	W-NW 10-15	Mod.	Dull	Ord.	–
10. N.E. England	WNW 5-10	Mod.	Cloudy or dull, sleet locally	poor	slight
11. E. Scotland	WorNW 2-15	Mod.	Cloudy or dull	v.good	smooth
12. S.W. Scotland	WSW-WNW 10	Mod.	Cloudy or dull	Var.	slight
13. Isle of Man	WNW 10-15	Mod.	Cloudy or dull	–	slight
14. N.&N.W. Scotland	WSW-WNW 5-15	Mod.	Dull, some rain	Ord.	slight
15. Hebrides	WSW-WNW 5-15	Mod.	Dull, some showers	Ord.	slight
16. Orkneys and Shetlands	NW up to 20	Mod.	Cloudy or dull, local rain and mist.	Indiff.	Mod.
17. N.W. Ireland	SW-W 15	Mod.	Fair to dull passing showers.	good.	slight
18. N.E. Ireland	W-NW 15-20	Mod.	Cloudy, showers & mist locally	Var.	slight
19. S.E. Ireland	W-NW 2-5	Mod.	Variable sky	Ord.	smooth
20 S.W. Ireland	NW up to 5	Mod.	Fine or fair	v.good	smooth



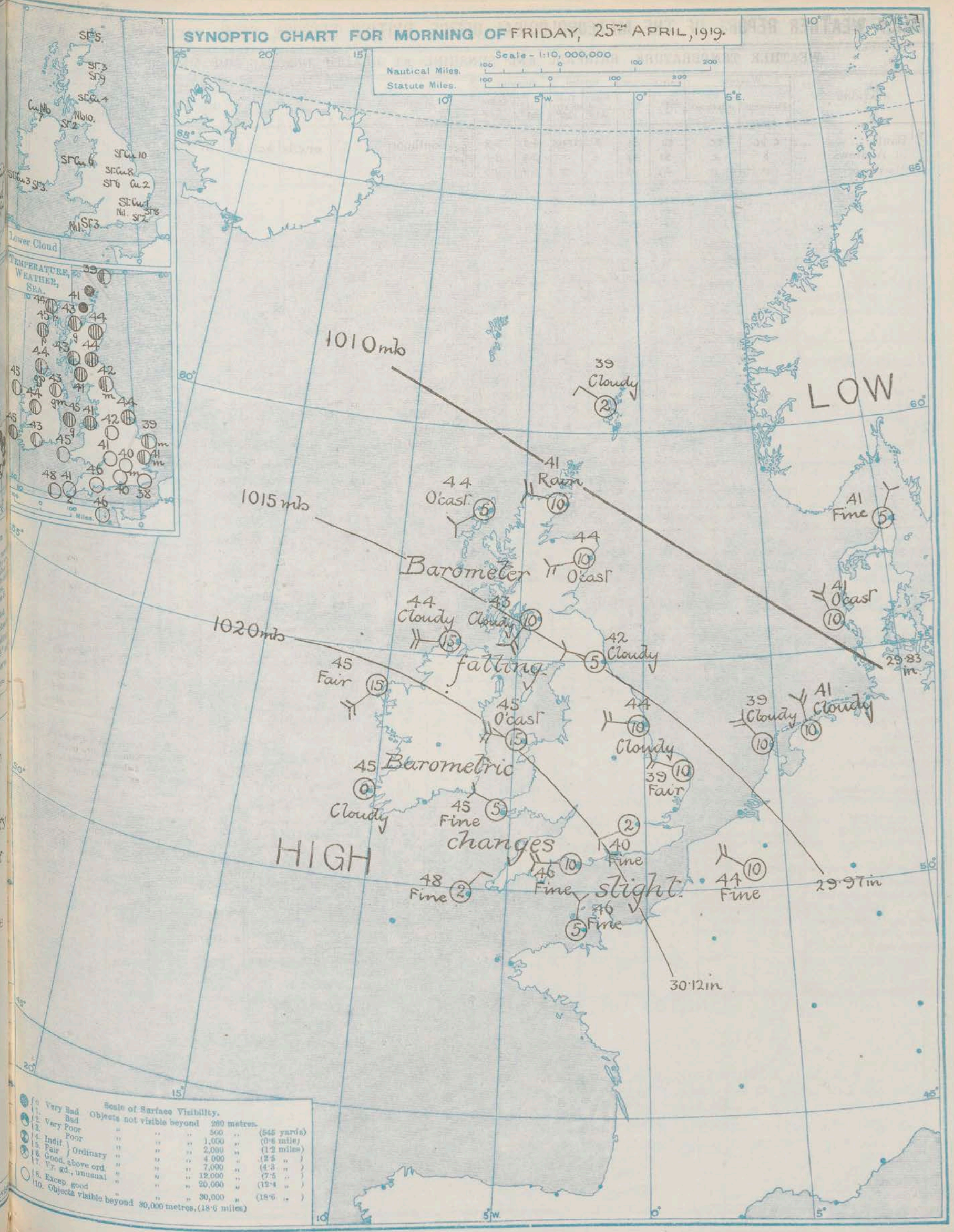


EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in degrees.
WEATHER SYMBOLS.—clear sky. sky ½ clouded. overcast sky. snow. hail. T thunder. sky ½ clouded. sky ½ clouded. rain. fog. thunderstorm.
SEA DISTURBANCE.—Rough. High seas.

GENERAL INFERENCE from observations received up to 10 a.m.

There are indications of a depression near Iceland which will cause rain generally over the northern half of the British Isles, but in the south the weather will be mainly fair.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Friday, 25th, April, 1919.	Further Outlook.
1. S.E. England 2. E. England 3 E. Midlands 4. W. Midlands	Moderate or fresh westerly breeze; fair or dull, local showers; cool.	The indications are too indefinite to justify an extension of the forecasts beyond 24 hours ahead.
5. S.W. England 6. South Wales	Light NW or W breeze; mainly fair, some local showers; cool.	
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N E. Ireland	Moderate or fresh westerly breeze, cloudy, rain at times; cool.	
19. S.E. Ireland 20. S.W. Ireland	Same as districts 5 - 6	


SYNOPTIC CHART FOR MORNING OF FRIDAY, 25TH APRIL, 1919.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
Lower Cloud
TEMPERATURE, WEATHER, SEA.
1010 mb
1015 mb
1020 mb
LOW
HIGH
Barometer falling.
Barometric changes slight.
29·83 in.
29·97 in
30·12 in
39 Cloudy
41 Rain
44 O'cast
41 Fine
44 O'cast
41 O'cast
44 Cloudy
43 Cloudy
42 Cloudy
45 Fair
45 O'cast
44 Cloudy
39 Cloudy
41 Cloudy
45 Cloudy
45 Fine
39 Fair
40 Fine
48 Fine
46 Fine
44 Fine
46 Fine
Scale of Surface Visibility.
0 Very Bad
1. Bad
2. Very Poor
4. Indif. Poor
5. Fair
6. Good, above ord.
7. V.y. gd., unusual
8. Excep. good
10. Objects visible beyond 30,000 metres. (18·6 miles)
Objects not visible beyond 280 metres.
500 (545 yards)
1,000 (0·6 mile)
2,000 (1·2 miles)
4,000 (2·5 ")
7,000 (4·3 ")
12,000 (7·5 ")
20,000 (12·4 ")
30,000 (18·6 ")

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 115 B

Friday April 25th

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

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 23rd	Rainfall. Day. 9h-17h. 24th	Sunshine. to 17h. 24th	Sunshine. Sunrise to Sunset. 23rd
Scotland.	Banff	c. bc	rc	50	39	2	trace	4·2	3·2
	St. Andrews ...	b	c	52	37	-	-	3·9	1·1
	Montrose	*	*	47	39	-	2	1·7	1·2
England, N.E.	Harrogate	or	bc. b	48	37	4	5	3·4	2·2
	Skegness	op	o. bc	53	40	1	1	2·1	0·0
England, E.	Felixstowe	cpm	cp.c	44	37	1	6	0·0	0·1
	Walton-on-Naze...								
	Southend-on-Sea...	or	or	46	41	3	7	0·0	1·0
England, S.E.	Littlehampton ...	*	*	50	43	-	2	0·2	6·5
	Margate	bc. or	or	45	43	-	8	0·8	0·0
	Ramsgate	*	*	44	39	2	8	1·0	0·0
	Hastings	o.c	or	52	42	-	10	0·7	3·8
	Eastbourne... ...	o	od	54	42	-	13	0·5	3·5
	Worthing	o	r	51	42	-	15	0·3	6·3
	Bournemouth ...	*	*	54	40	-	trace	5·9	10·0
England, N.W.	Southport	or. c. bc	bc. b. bc	51	43	1	1	3·5	6·5
Midlands.	Buxton	*	*	43	34	-	9	0·0	1·5
	Leamington Spa...	og	ogr. o	48	42	-	4	0·5	0·5
	Malvern	c	c	50	40	-	4	0·5	?
	Ross-on-Wye ...	bc. c	bc. op	54	38	-	3	4·9	1·1
Wales.	Rhyl	pc. bc	bc. b	47	41	-	1	5·3	5·0
	Colwyn Bay ...	*	*	48	43	-	6	4·8	4·6
	Llandudno	o	c. b	48	42	1	2	3·5	4·9
	Aberystwyth ...	c	bc	46	43	-	-	4·5	*
England, S.W.	Weymouth	c. bc	bc	58	41	-	-	5·0	10·0
	Torquay	o	op. c. bc. b	53	43	-	1	3·9	11·2
	Penzance	bc. c	c. b	53	47	-	-	6·5	10·5
	Newquay	c. bq	bq	49	46	-	-	4·0	10·4
	Weston-s-Mare ...	bcp. bc	bcp. bc	51	41	-	13	3·0	6·4

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-13h 24th	Weather 13h-18h 24th	Weather 18h 24th-1h 25th	Weather 1h-7h 25th	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)...	c. of,	c. o	q, p,	q p,	46	34	*	*	*	*
Eskdalemuir	orsm-bc	cy. oy. o	b	b. bc. co	51	34	30	0·3	-	4·8
†Stranraer	bc. c	b,		b. bcv	51	39	*	*	*	*
†Lough Foyle	p, v	bc. cv		p, q	59	40	*	*	*	*
Valencia (Cahirciveen) ...	o. bcv	bcv	bc	bc. b. bcp.	52	38	36	-	0·2	8·5
†Anglesey (Llangefni) ...	p, c	c. o. b. bc	b. bc	c. o	52	36	*	*	*	*
Falmouth	c. cq	cq. bq	b	bzw	53	37	28	-	-	7·2
†Calshot (Hants)		cp,	bc. cp,	b. bc	54	36	*	*	*	*
†Capel (Folkestone)... ...		p, o		cz,	53	33	*	*	*	*
Aberdeen	od. c. bc	cph. bc	cpd,	bc. b. o	52	40	31	0·2	-	3·3
†East Fortune	b. bcv	c. ov	bc. c	bc. c	55	40	*	*	*	*
†Howden	r,	b. bcv		bc. cf,	51	35	*	*	*	*
†Felixstowe	rh, z	r. z,	p. b. o	f,	53	36	*	*	*	*
†Cranwell (Lincs) ...		bc. c. rh,	b. bc. b	b. bc. o	46	34	*	*	*	*
Benson	od	p bc. o	*	b	49	30	27	-	-	*
London (Kew Obsy.) ...	om. o. or	or. orm	b	bcm. bm	49	36	28	4	-	0·0

BEAUFORT NOTATION.

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.
e wet air without rain falling.
f fog. g gloom.
h hail. l lightning.
m mist.
o overcast sky.
p passing showers.
q squalls.
r rain.
rs sleet, *i.e.*, rain and snow together.
s snow.
t thunder.
u ugly, threatening sky.
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.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Limits of Velocity. 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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0 = slight, 2 = heavy. Underlining is used to express continuity.

LONDON. OBSERVATIONS.

24 HOURS ENDED 9H G.M.T. 25th

	Weather. Morning	Weather. Afternoon.	Weather. Night	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours. Yesterday.	Humidity % 15 h. G.M.T. To-day.	Humidity % 9 h. G.M.T. To-day.
Greenwich (Royal Observatory)	o. or	or	b. cx	48	35	26	6	0·0	91	73
City (Bunhill Row)	*	*	*	*	*	*	*	0·0	*	*
Westminster (St. James's Park)	*	*	*	47	35	30	5	0·0	94	73
,, (Admiralty Arch)	om. orm	orm. cm	b. bc	52	37	*	4	0·0	86	69
Camden Sq. (British Rainfall)	o. or	or. o	*	50	34	31	4	0·0	*	74
Kensington Palace	or	or	*	48	35	30	6	*	*	70
Richmond Park	*	*	*	*	*	*	*		*	*

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total 500 Joules.

Average Rate 9·7 Milliwatts.

Maximum Rate 29 ,,

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

April 25th-26th 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth ...	4.37	11.51	7.4
	4.35	11.51	7.6
Greenwich	4.47	11.58	7.9
	4.45	11.58	7.11
Wick ...	4.38	12.10	7.42
	4.35	12.10	7.45
Valencia ...	5.27	12.39	7.52
	5.25	12.39	7.54

NOTES ON THE WEATHER OF YESTERDAY.

Maximum temperatures were again below 60°, and there was a slight frost locally in the southeast of England. Bright sunshine amounting to about 10 hours was recorded at several southern coast stations and also in the Hebrides. Several millimetres of rain were measured at a number of places, the largest total being 13mm at Weston-super-Mare.

† Air Ministry Station

* Information for these columns not usually received.

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METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No 20,974 B. ....SATURDAY..26TH..APRIL.....1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form.	Upper Cloud. Amt. 0-10.	Sea 0-9.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud. Form.	Upper Cloud. Amt. 0-10.	Sea 0-9.
	13H G.M.T. of ....25TH.....														18H. G.M.T. of ..26TH.....													
†Houton B. (Orkney)	1007.6	-4	SW	3	39	rif.	97	3	½-1000	St	10	-	-	3	1005.6	-2	ENE	7	36	rif.	97	2	½-1000	St	10	-	-	5
Eskdalemuir ...	1012.6	-4	WSW	4	45	ore	82	6	2-3000	Nb	10	-	-	*	1008.3	-4	W	4	44	o	75	7	3-4000	St	8	Ci-Cu	2	*
†Stranraer ...	1014.4	-2	WNW	4	47	ore	87	7	1-1500	-	-	-	-	*	1009.5	-5	NW	4	48	o	75	8	1-1500	Cu.Nb	10	-	-	*
†Lough Foyle ...	1015.3	-4	W	7	48	c	92	6	1½-2000	Cu.Nb	3	-	-	4	1011.5	-4	WNW	6	45	rig	97	5	½-1000	Cu.Nb	10	-	-	4
Valencia (Cahirc'n)	1023.0	-2	WNW	4	49	c	75	8	2-3000	Cu	7	A.Cu	1	3	1020.7	-2	WNW	5	49	bc	75	8	2-3000	Cu	4	A.Cu	1	3
†Anglesey (Llangefni)	1018.2	-4	W	4	48	o	75	8	3-4000	St.Cu	6	A.St	4	3	1014.0	-5	WSW	4	46	rig	92	8	½-1000	St	10	-	-	3
Falmouth ...	1021.9	-1	NW	4	54	o	65	5	-	Cu	9	-	-	*	1020.2	-3	W	4	49	r	-	-	-	-	-	-	-	*
†Calshot (Hants) ...	1019.1	-2	WNW	3	52	o	97	8	3-4000	St.Cu	10	-	-	4	1016.8	-2	W	3	50	o	97	8	3-4000	St.Cu	6	A.St	4	4
†Capel (Folkestone)	1017.4	0	NNW	2	50	o	75	5	3-4000	St.Cu	10	-	-	2	1015.8	-1	NW	3	48	o	75	5	1½-2000	St	10	-	-	2
Aberdeen ...	1008.4	-4	ESE	1	49	o	75	7	-	Nb	10	-	-	2	1004.8	-4	NNW	3	44	cre	92	8	-	Cu.Nb	8	-	-	2
†East Fortune ...	1010.7	-5	WSW	4	50	o	65	6	2-3000	St.Cu	6	Ci.St	3	*	1006.2	-5	WSW	5	50	bc	65	6	4-5000	St.Cu	4	Ci	1	*
†Howden ...	1015.1	-2	W	5	49	o	65	5	2-3000	St.Cu	10	-	-	*	1011.6	-4	WSW	4	48	o	75	4	3-4000	St.Cu	10	-	-	*
†Felixstowe ...	1016.7	-2	WNW	3	50	o	87	3	3-4000	St.Cu	9	-	-	3	1014.7	-1	WNW	3	49	o	87	3	5-7000	St	5	A.St	4	3
†Cranwell (Lincs)														*	1013.2	-3	W	4	47	o	82	6	2-3000	St.Cu	6	A.St	2	*
Benson ...	1017.2	-2	W	3	51	o	55	6	-	-	-	-	-	*	1014.8	-2	SW	1	50	o	65	6	-	Cu	8	-	-	-
London (Kew Ob.)	1017.7	-2	W	2	50	o	55	7	-	St.Cu	4	A.Cu	5	*	1015.4	-3	W	1	50	om	65	6	-	St.Cu	9	-	-	*
	1H. G.M.T. of ....26TH.....														7H. G.M.T. of ..26TH.....													
†Houton B. (Orkney)	1008.8	+3	NE	7	34	c	82	5	1-1500	St	8	-	-	-	1013.2	+5	N	7	30	rig	97	4	1-1500	Nb	10	-	-	4
Eskdalemuir ...	1004.0	-4	WSW	3	40	o	87	7	-	St	10	-	-	*	1007.3	+5	NNE	8	36	op	92	6	1½-2000	Nb	5	Ci	5	*
†Stranraer ...															1009.8	+8	N	6	41	orq	82	8	1-1500	St.Cu	10	-	-	*
†Lough Foyle ...															1016.5	+7	NNE	7	40	c	82	5	2-3000	Cu	7	-	-	4
Valencia (Cahirc'n) ...	1008.0	+1	WNW	6	43	bc	-	-	-	-	-	-	-	-	1021.0	+3	N	4	47	bc	75	8	2-3000	Cu	6	-	-	3
†Anglesey (Llangefni)	1010.3	-3	WNW	5	44	o	92	-	<500	Cu.Nb	9	-	-	5	1008.2	+3	NNW	8	42	orq	87	5	½-1000	Nb	10	-	-	7
Falmouth ...	1017.4	-3	WNW	5	47	c	92	5	-	Nb	8	-	-	*	1015.2	-1	NW	6	47	c	82	5	-	Cu.Nb	7	-	-	*
†Calshot (Hants) ...	1014.2	-4	W	3	46	o	87	7	?	St.Cu	10	-	-	4	1009.7	-4	WNW	5	45	orq	92	8	½-1000	Nb	10	-	-	4
†Capel (Folkestone)															1007.6	-5	WNW	4	44	o	82	6	2-3000	St	3	Fa.Ci	7	4
Aberdeen ...	1004.1	0	S	3	40	odo	97	3	2-3000	Nb	10	-	-	*	1009.0	+6	NNW	4	39	o	82	8	-	Nb	10	-	-	2
†East Fortune ...	1003.1	-2	WSW	3	43	odo	87	1	3-4000	Cu.Nb	9	-	-	*	1008.0	+5	NNE	7	39	CT	82	7	1½-2000	Nb	8	-	-	*
†Howden ...														*	1003.7	-2	WNW	3	42	CT	87	5	2-3000	St.Cu	6	A.St	2	*
†Felixstowe ...	1010.2	-4	W	3	47	o	97	-	2-3000	Nb	9	-	-	4	1005.6	-4	W	3	45	c	97	3	2-3000	Cu.Nb	5	A.St	2	5
†Cranwell (Lincs)	1008.9	-3	WSW	3	42	bc	92	4	2-3000	St	3	Ci	2	*	1004.3	-3	NNW	4	39	Trzq	92	3	1-1500	Nb	8	Ci.Cu	1	*
Benson ...														*	1006.2	-4	W	4	45	bc	82	6	-	Cu	5	-	-	*
London	1011.6	-4	W	1	46	o	-	-	-	-	-	-	-	*	1006.9	-4	W	4	46	bc	75	5	-	St.Cu	5	A.Cu	1	*

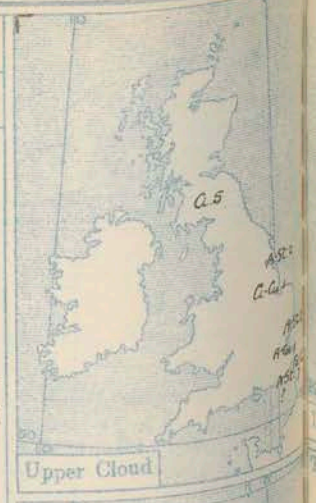
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

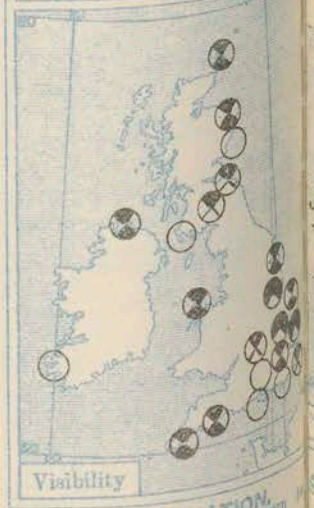
STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	Barometer. at M.S.L. m.b.	Barometer. ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mins.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	18H. G.M.T. of ....25TH.....					7H. G.M.T. of ..26TH..									24 HOURS ENDED 7H. ...26TH						25TH
Lerwick ...	1007.7	38	NNE	3	om	1010.9	+4	36	-3	NNW	5	-	om	4	1	43	32	o	om	omq	*
Stornoway ...	1004.5	45	W	3	ope	1016.2	+6	37	-7	NE	5	-	bq	4	6	50	34	bcp	bc.op	op.bcq	2.6
Castlebay (Barra Is)	1007.1	48	W	5	op	1016.6	+5	40	-5	N	4	-	c	4	7	48	38	o.c.op	o.c.op	p.bc rc	3.5
Glasgow ...	1007.6	45	W	4	omp	1010.3	+10	38	-5	N	5	-	o	*	4	49	38	c.op	om.pc	op.cp.o	1.3
Malin Head ...	1009.2	46	W	4	cqp	1014.1	+6	41	-3	N	6	-	bcq	6	2	48	39	cqp	bcqp	cqp	4.0
Blacksod Point	1014.9	48	WNW	6	bcq	1018.4	+3	43	-2	NNW	6	NW	bcq	5	1	52	41	bcq	bcqp	cp cqp	*
Roche's Point ...	1019.2	51	WNW	4	c	1018.3	+2	45	+2	NNW	3	-	b	2	-	54	43	bc.opo	c	bc.b	*
Birr Castle ...	1016.0	48	W	2	c	1017.7	*	43	-1	NW	4	-	c	*	2	52	39	cp	cp	c	3.5
Donaghadee ...	1010.7	48	W	4	bcmqp	1009.7	+7	41	-2	N	6	-	omrq	5	3	52	35	cqm	cmqp	cqmqp	*
Liverpool (Bidston)	1012.5	47	W	4	o	1004.6	-3	42	+1	W	6	-	orq	5	1	50	41	o	o.c	opq	0.4
Holyhead ...	1013.5	47	WSW	3	cq	1007.7	+1	44	-1	NW	8	-	cpqq	7	0.4	51	42	c.oq	c.op.c	cp.bc.c	0.3
Pembroke (St. Ann's Head)	1017.9	47	W	4	cv	1013.4	+3	45	0	NW	6	-	cqv	5	-	49	44	cv	cv	c.bcqv	3.3
Scilly (St. Mary's)	1021.5	50	NW	4	bc	1017.4	-1	47	-1	NW	7	-	c	6	1	55	44	bc	c.bc	cp	6.3
Jersey (St. Aubin)	1020.5	50	WNW	3	o	1014.5	-2	48	+2	WNW	4	-	o	3	Trace	53	45	bc.o	o.b.o	b.opo	10.2
Portland Bill ...	1017.8	48	W	4	bc	1010.9	-3	47	+1	WNW	6	-	cq	4	0.2	51	43	bc.c	o.bc	cqp	*
Dungeness ...	1015.3	48	WSW	4	c	1007.2	-4	46	+8	WSW	5	-	cq	4	-	56	37	c	c	cq	*
Wick	1004.4	40	NE	3	omr	1011.7	+4	35	-6	N	6	-	r	4	6	45	33	omr	omr	ompq	*
Nairn	1004.1	46	WNW	2	c	1012.5	*	36	-7	NNE	4	-	cqs	4	5	50	35	cq	cps	pqc	0.3
Leith	1006.7	49	W	3	bc	1009.0	+5	40	-4	NNE	6	-	o	4	4	54	40	o.cu c	bc.c.bc	bc oro	*
Tynemouth ...	1008.6	49	WNW	3	cm	1003.1	0	41	-1	NNW	3	-	rm	3	2	51	40	bcmp	cmp	omr	*
Spurn Head ...	1011.2	48	WNW	4	o	1002.6	-4	40	-4	NW	4	-	bcq	4	4	49	38	o	o	c.orq	0.0
Yarmouth (Gorleston)	1013.5	49	WNW	2	o	1005.2	-3	44	+5	W	3	-	bc	3	3	50	39	bcm.o	om	ombcp	0.0
Clacton on Sea	1014.9	50	W	2	o	1005.8	-4	46	+5	W	3	-	c	2	-	53	41	cm.c	c.bc.c.o	o.c	4.2
Nottingham ...	1013.7	47	W	3	opm	1004.2	*	44	+2	W	2	-	c	*	0.3	50	41	c.o	o.cm	op.c	0.8

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARY OF CONDITIONS AT 7 A.M. Saturday, 26th April, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	WNW-WSW. 15-25	Moderate	Fair to dull, rain locally; squally.	V. good	Mod.
2. E. England	W-NW. 10-20	"	Fair to dull; local rain & hail	Ord.	"
3. E. Midlands	W-NW. 10-15	"	Fair to dull; local rain	Var.	-
4. W. Midlands	W-NW. 15-20	"	Cloudy or dull, local rain.	Ord.	-
5. S.W. England	NW. 15-30	"	Cloudy to dull; squally.	"	Mod. to rough.
6. South Wales	NW. 25-30	"	Cloudy, squally.	V. good	Rather rough
7. North Wales	NW. 40	"	Cloudy to dull; rainy, squally.	Ord.	High
8. N.W. England	W-N. 25-30	"	Rainy, squally.	"	Rough
9. N. Midlands	NW. 10-15	"	Dull, rainy.	"	-
10. N.E. England	NW-NNW. 10-15	"	Rainy, local mist.	"	Slight
11. E. Scotland	NNW-NNE. 25-30	Rather cold	Dull, local rain, mist & squalls.	Var.	Mod.
12. S.W. Scotland	N-NNE. 20-35	"	Dull, rainy, squally.	V. good	"
13. Isle of Man	N. 25-30	"	Rainy, squally.	Good	Rough
14. N.&N.W. Scotland	N-NE. 15-25	Cold	Fair to dull, some rain.	Ord.	Mod.
15. Hebrides	N-NE. 15-20	"	Fine to cloudy, squally.	"	"
16. Orkneys and Shetlands	NNW-N. 20-35	"	Dull, local mist & squalls	Indiff.	"
17. N.W. Ireland	NNW-N. 25-30	Rather cold	Fair to cloudy, squally.	Ord.	Rough
18. N.E. Ireland	N. 25-30	"	Fair to dull, local rain, mist & squalls	"	"
19. S.E. Ireland	NW. 15-20	Mod.	Cloudy.	"	"
20 S.W. Ireland	NNW-N. 10-15	"	Fine or fair.	V. good	Slight



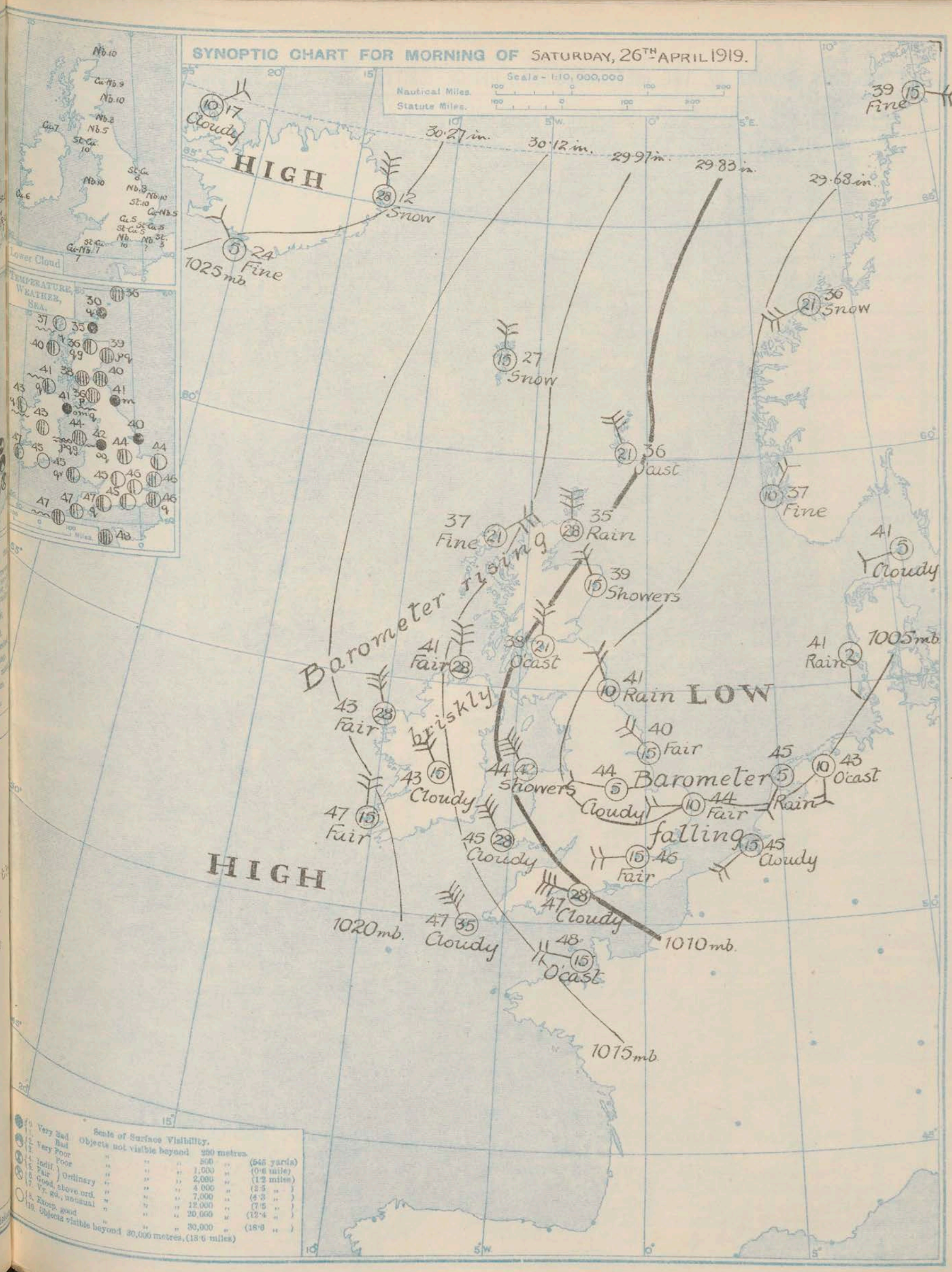


EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS.—clear sky. sky ¼ clouded. sky ½ clouded. overcast sky. rain falling. snow. hail. fog. thunder. thunderstorm.
SEA DISTURBANCE.—Rough. High.

GENERAL INFERENCE from observations received up to 10 a.m.

A depression over the southern North Sea is moving south and will cause cool and showery weather over the British Isles with strong and squally Northerly winds.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Saturday, 26th April, 1919	Further Outlook.
1. S.E. England 2. E. England 3 E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Fresh or strong NW. or N. breeze. Changeable, showery, squally, improving gradually. Cool.	Conditions are too unstable for extension of the forecasts beyond 24 hours ahead.
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	Fresh or strong Northerly breeze. Changeable, showery, squally, improving gradually. Cold.	
19. S.E. Ireland 20. S.W. Ireland	Same as for 1-10	


SYNOPTIC CHART FOR MORNING OF SATURDAY, 26TH APRIL 1919.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
Lower Cloud
TEMPERATURE, WEATHER, SEA.
HIGH
HIGH
LOW
Barometer rising briskly
Barometer falling
30·27 in.
30·12 in.
29·97 in.
29·83 in.
29·68 in.
1025 mb.
1020 mb.
1015 mb.
1010 mb.
1005 mb.
10 17 Cloudy
28 12 Snow
5 24 Fine
39 15 Fine
21 36 Snow
15 27 Snow
21 36 Ocast
10 37 Fine
37 Fine 21
35 28 Rain
39 15 Showers
41 5 Cloudy
41 Fair 28
39 21 Ocast
41 Rain 2
10 41 Rain
43 28 Fair
40 15 Fair
43 15 Cloudy
44 42 Showers
44 5 Cloudy
45 5 Rain
10 43 Ocast
10 44 Fair
47 15 Fair
45 28 Cloudy
15 45 Fair
15 45 Cloudy
47 28 Cloudy
47 35 Cloudy
48 15 Ocast
Scale of Surface Visibility.
0. Very Bad
1. Bad
2. Very Poor
3. Poor
4. Indif.
5. Fair
6. Good, above ord.
7. Vy. gd., unusual
8. Excep. good
9. Objects visible beyond 30,000 metres, (18·6 miles)
Objects not visible beyond 200 metres.
500 (546 yards)
1,000 (0·6 mile)
2,000 (1·2 miles)
4,000 (2·5)
7,000 (4·3)
12,000 (7·5)
20,000 (12·4)
30,000 (18·6)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE BRITISH SECTION, 1910. No 116 B.

SATURDAY APRIL 26TH

WEATHER TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR APRIL 25TH

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max °F.	Temperature. Min °F.	Rainfall. Night 24TH	Rainfall. Day 25TH	Sunshine. 25TH	Sunshine. 24TH
Scotland,	Ban/T	c.o	cpr	49	42	-	2	0·9	4·2
	St. Andrews ...	o	c	54	39	-	-	2·3	3·9
	Montrose	*	*	53	40	2	-	0·6	1·7
England, N.E.	Harrogate	op.c	cc.cp	49	37	-	1	1·0	4·1
	Skegness	o.c	o.c	53	32	-	-	3·1	2·1
England, E.	Felixstowe	bcm	bc.cm	53	34	1	-	4·8	0·2
	Walton-on-Naze...								
	Southend-on-Sea...	c.o	c.om	55	37	-	-	1·2	0·0
England, S.E.	Margate	o.c.bc	b	54	38	4	-	5·1	0·8
	Ramsgate	*	o	53	37	4	-	5·1	1·0
	Hastings	op.bc	b.bc	54	35	3	-	3·4	0·7
	Eastbourne... ...	bc	bc.o	55	36	-	-	6·3	0·5
	Worthing	b.bc	bc	54	35	-	-	6·0	0·3
	Bournemouth ...	*	*	53	36	2	-	4·4	5·9

STATIONS.	Weather. Afternoon.	Max °F.	Min °F.	Rainfall. 24TH	Rainfall. 25TH	Sunshine. 25TH	Sunshine. 24TH
Southport ...	o.c.o	o.c.o	50	42	-	-	0·7	4·2
Buxton	*	*	46	37	trace	-	0·3	2·0
Llandrindod Wells	c.b	c.b.o	52	36	-	-	1·6	0·8
Malvern								
Ross-on-Wye ...	cx.bc	c.bcy	54	34	-	-	3·4	4·9
[illegible] Bay	bc.c	c	51	41	-	-	0·2	5·3
[illegible]	*	*	52	43	-	-	1·2	5·9
[illegible]	o	o	51	43	-	-	0·6	5·2
[illegible]	*	*	48	46	-	-	0·0	*
[illegible]	b.bc.c	c	54	37	-	-	3·8	5·4
[illegible]	b.bc.c	c.bc	53	36	-	-	5·2	4·8
[illegible]	bc	bc.c	55	41	-	-	4·0	7·8
[illegible]	bc.b	b	52	34	-	-	6·8	5·9
Weston-super-Mare	bc	bc	52	40	-	-	3·0	3·9

STATIONS.	Weather. Th-12h 25TH	Weather. 12h-18h 25TH	Weather. 25TH	Weather. 26TH	Temp. °F.					
†Houton Bay (Orkney)...	od,	d,r,	d,rh,	o.s,	42	30	*	*	*	*
Eskdalemuir	o.or.o	or.obo	op.o.op	op.o.op	48	36	33	2	2	0·7
†Stranraer	b.bcp,	b.bcp,		b.bcp,	48	39	*	*	*	*
†Lough Foyle	p,q	p,		c	50	39	*	*	*	*
Valencia (Cahirciveen) ...	bc.c	cp.bc	cpq	cp.c.bc	49	43	42	-	1	7·2
†Anglesey (Llangefni) ...	oq	op,	oq	op,	49	36	*	*	*	*
Falmouth	b.bc.c	c.org	b.bc.c	cq	55	40	40	trace	-	3·1
†Calshot (Hants)	c	c	o	p	54	36	*	*	*	*
†Capel (Folkestone)... ...	cz	pc.o		cpd,	52	33	*	*	*	*
Aberdeen	op	op.cp	o.pd,	opq	50	37	33	6	2	0·4
†East Fortune	q.c.o	qc	cq	qp	53	39	*	*	*	*
†Howden	c.op	oq		op,	53	35	*	*	*	*
†Felixstowe	b.bcz	c.cz	bc.cp,	bc.cp,	52	37	*	*	*	*
†Cranwell (Lincs) ...		o.c	c.obc.c	bc.crh,	52	37	*	*	*	*
Benson	o	o	*	o.bc	53	41	35	-	-	*
London (Kew Obsy.) ...	bm.bc.o	c.om.	bc.o	o.bc.o.bc.	52	40	39	-	-	3·9

LONDON. OBSERVATIONS.	Weather. Morning	Weather. Afternoon	Weather. Night	Temp.				Sunshine.		
	24 Hours ending 9h G.M.T. 26TH.									
Greenwich (Royal Observatory)	ox.o	o	o	55	40	36	1	3·5	68	77
City (Bunhill Row)								3·8		
Westminster (St. James's Park)	*	*		55	43	39	1	4·2	67	90
" (Admiralty Arch)	bcm	bc.o	bc.c.opq	54	43		1	4·0	59	73
Camden Sq. (British Rainfall)	bc.c	bc		56	38	36	4	4·2	59	96
Kensington Palace	o	o		53	44	40	1		+	67
Richmond Park	*	*	*						*	

SOUTH KENSINGTON (Meteorological Office).

Vertical Component

Solar Radiation

882 Joules.

Average Sun 17·1 Mean

Maximum Sun 62

APRIL 26TH & 27TH

Stations.	Sun rises	Sun sets		
Var no...	4.35	11.51	7.6	
	4.33	11.51	7.8	
Gr...	4.45	11.58	7.11	
	4.43	11.58	7.13	
Wick	4.35	12.10	7.45	
	4.32	12.10	7.48	
Valencia	5.25	12.39	7.54	
	5.22	12.39	7.56	

NOTES ON THE WEATHER OF YESTERDAY.

The day was cool in all districts, the highest maximum being only 56°. In the north of Scotland minimum temperatures were down to about the freezing point. There was a general deficiency of sunshine, except for 10 hours at Jersey and 7 hours at Valencia.

Several millimetres of rain fell locally, and there was some snow in the early morning in the Orkneys.

† Air Ministry Station

Printed at the Meteorological Office, South Kensington

METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No. 20,975 B. ....SUNDAY,...APRIL 27th...1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

Stations	Barom. at M.S.L. m.b.	‡ Change in 3 hours	Wind Direc.	Wind Force 0-12	Temp. °F.	Weather	% Humidity	Visibility 0-10	Height of Low Cloud Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Cloud Form	Upper Cloud Amt. 0-10	Sea 0-9
	13H G.M.T. of 26th													
†Houton B. (Orkney)	1014.6	+1	NNW	7	34	cq	75	8	3-4000	Cu.	9	-	-	4
Eskdalemuir	1013.0	+3	N	5	39	rh, q	65	5	2-3000	Cu-nb	9	-	-	*
†Stranraer	1015.0	+4	N	4	47	c	55	8	3-4000	St-cu	7	-	-	*
†Lough Foyle	1020.3	0	N	5	48	c	75	7	3-4000	Cu.	6	-	-	4
Valencia (Cahirc'n)	1023.2	+2	NNW	5	49	bc	65	8	3-4000	Cu.	4	A-cu	2	4
†Anglesey (Llangefni)	1014.5	+5	N	7	46	bc	65	8	2-3000	Nb.	6	-	-	6
Falmouth														
†Calshot (Hants)	1016.9	+2	NW	7	49	c	55	5	-	Fr-cu	8	-	-	*
†Capel (Folkestone)	1007.9	-1	WNW	5	52	o	65	8	1½-2000	St-cu	7	A-cu	2	6
Aberdeen	1004.8	-2	NW	7	45	c	92	5	2-3000	Cu-nb	3	A-st	5	4
†East Fortune	1013.2	+3	NNW	5	37	rh, q	75	8	-	Cu-nb	6	-	-	4
†Howden	1013.3	+5	N	7	44	bc	65	8	3-4000	Cu-nb	5	-	-	*
†Felixstowe	1007.5	+6	N	7	44	o	82	5	1-1500	St-cu	10	-	-	*
†Cranwell (Lincs)	1003.9	0	NNW	5	42	r, q	98	4	-	Nb	7	A-st.	3	4
Benson														*
	1007.2	+1	NW	5	49	o	-	-	-	-	-	-	-	*
London (Kew Ob.)	1005.6	0	WNW	4	50	bc	65	6	-	Cu	5	A-cu	1	*
	1H. G.M.T. of 27th													
†Houton B. (Orkney)	1010.8	-4	NE	6	29	s, q	92	5	2-3000	St	10	–	–	5
Eskdalemuir	1012.9	-4	—	0	22	bc	82	7	–	St.	4	–	–	*
†Stranraer														
†Lough Foyle														
Valencia (Cahirc'n)	1019.4	-8	NNW	4	44	bcp	–	–	–	–	–	–	–	4
†Anglesey (Llangefni)	1015.3	-3	SW	1	38	o	92	–	1-1500	St.	9	–	–	5
Falmouth														
†Calshot (Hants)	1019.4	-2	WNW	2	42	bc	87	6	–	Cu.Nb.	5	–	–	*
†Capel (Folkestone)	1016.7	+2	WNW	2	36	bo	92	6	–	–	–	–	–	2
Aberdeen														
†East Fortune	1010.7	-7	–	0	31	b,	87	4	4-5000	St.Cu	3	–	–	–
†Howden	1011.4	-4	S	1	32	bc	75	–	1½-2000	St.Cu	6	–	–	*
†Felixstowe														*
Cranwell (Lincs)	1002.4	+2	NW	4	37	bq	98	–	–	–	–	–	–	5
Benson	1013.6	0	NW	1	32	bc	82	6	2-3000	St.	4	Fa-Ci	2	*
														*
London (Kew Ob.)	1014.7	+1	NW	1	37	bo	–	–	–	–	–	–	–	*

Stations	Barom. at M.S.L. m.b.	‡ Change in 3 hours	Wind Direc.	Wind Force 0-12	Temp. °F.	Weather	% Humidity	Visibility 0-10	Height of Low Cloud Feet	Low Cloud Form	Low Cloud Amt. 0-10	Upper Cloud Form	Upper Cloud Amt. 0-10	Sea 0-9
	18H. G.M.T. of 26th													
†Houton B. (Orkney)	1014.2	-1	NNW	5	32	c	97	8	3-4000	Cu	7	-	-	4
Eskdalemuir	1014.6	+2	N	3	38	bc	65	8	-	Cu-Nb	3	A-Cu	2	*
†Stranraer	1016.1	0	NW	6	43	b	55	-	½-1000	Nb	?	-	-	*
†Lough Foyle	1019.0	0	WNW	3	38	ro	92	6	½-1000	Nb	9	-	-	3
Valencia (Cahirc'n)	1023.4	0	NNW	5	47	c	65	8	3	Cu	5	A-St	3	4
†Anglesey (Llangefni)	1016.6	+2	N	4	43	b	65	8	3-4000	Cu	1	-	-	7
Falmouth														
†Calshot (Hants)	1018.7	+3	N	5	48	bq	-	-	-	-	-	-	-	*
†Capel (Folkestone)	1012.5	+2	NNW	6	47	o	75	8	3-4000	St-Cu	7	A-Cu	2	5
Aberdeen	1007.4	+4	N	7	41	o	82	8	1-1½000	St-Cu	6	A-Cu	2	5
†East Fortune	1011.1	+1	NNW	4	36	bcsp	65	7	-	Cu-Nb	5	-	-	4
†Howden	1014.3	+2	N	4	42	bc	65	8	4-5000	St-Cu	9	-	-	*
†Felixstowe	1012.4	+7	N	6	39	q	75	5	3-4000	St-Cu	7	A-Cu	8	*
†Cranwell (Lincs)	1007.1	+4	NNW	3	41	rq	97	4	-	Nb	10	-	-	5
Benson	1011.3	+6	N	6	40	o	97	8	1½-2000	St-Cu	4	A-St	2	*
	1011.9	+6	NNW	5	43	c	75	6	-	Cu	5	-	0	-
London (Kew Ob.)	1011.0	+5	NW	2	45	ow	65	5	-	St-Cu	8	A-St	2	*
	7H. G.M.T. of 27th													
†Houton B. (Orkney)	1010.2	+1	N	7	30	om,	98	5	2-3000	St	10	-	-	6
Eskdalemuir	1006.4	-5	-	0	30	s,	98	1	1½-2000	St.	10	-	-	*
†Stranraer	1008.8	-3	NW	6	37	o	75	6	1½-2000	Cu-Nb	10	-	-	*
†Lough Foyle	1012.8	+2	N	1	35	c	92	7	½-1000	Cu-Nb	3	-	-	5
Valencia (Cahirc'n)	1015.5	-2	NW	5	48	c	82	8	½-2000	Cu.	8	-	-	4
†Anglesey (Llangefni)	1008.9	-5	W	2	35	rs,x	98	5	½-1000	St.	10	-	-	4
Falmouth														
†Calshot (Hants)	1014.1	-6	WSW	5	44	or	92	5	-	Nb	9	-	-	*
†Capel (Folkestone)	1010.4	-3	SW	3	40	om,	92	7	2-3000	St	10	–	-	3
Aberdeen	1013.6	+3	WNW	2	36	b	75	5	-	-	-	C-cu	1	3
†East Fortune	1006.7	-1	E	4	33	os,	98	3	-	Nb	10	-	-	3
†Howden	1004.9	-7	SW	3	36	c	82	6	1½-2000	Cu-Nb	8	-	-	*
†Felixstowe	1009.1	-6	S	2	36	om,	75	4	<500	St-cu	10	-	-	*
Cranwell (Lincs)	1012.9	0	WNW	3	37	b	92	4	-	-	-	-	-	3
Benson	1010.4	-2	WSW	2	33	c	98	4	2-3000	St.	3	A-st	4	*
	1011.8	-4	SSW	2	39	c	82	5	-	Cu	5	-	-	*
London (Kew Ob.)	1012.7	-3	SW	1	38	b	82	5	-	St-cu	1	Ci.	1	*

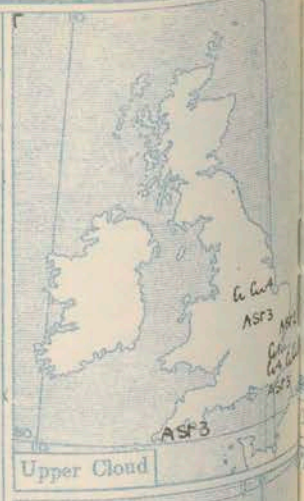
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

Stations	Barom. at M.S.L. m.b. (18H. G.M.T. of 26th)	Temp. °F.	Wind Direc.	Wind Force 0-12	Weather	Barometer at M.S.L. m.b. (7H. G.M.T. of 27th)	‡ Change in 3 hours	Temp. °F.	Change in 24 hours	Wind Direc.	Wind Force 0-12	Direc. of Upper Cloud	Weather	Sea 0-9	Rainfall mm. (24 hours ended 7H. 27th)	Max. °F.	Min. °F.	Weather Morning	Weather Afternoon	Weather Night	Sunshine Hours (26th)
Lerwick	1011.5	32	NW	4	o	1008.6	0	32	-4	NNW	5	-	omps	4	1	37	29	cmqps	cmqps	dmps	*
Stornoway	1013.8	39	E	4	o	1013.7	+4	29	-8	NNE	6	-	bcq	5	3	44	28	b	b.o	cphsq	9.9
Castlebay (Barrals)	1015.6	41	SW	4	o	1014.2	+2	35	-5	N	5	N	c	5	2	42	31	c.bc.o	o.bc.o	rs.b.s.c	8.1
Glasgow	1014.7	43	NNW	2	bc	1006.0	-4	33	-5	W	3	N	c	*	2	46	32	o.c.bc	bc.vq	b.os.bc	7.0
Malin Head	1018.0	39	W	3	cp	1010.4	0	38	-3	NNE	7	N	bcqp	7	5	47	33	bc	bc	cqphs	8.0
Blacksod Point	1019.5	45	NW	4	bcp	1016.6	+7	36	-7	NNE	6	-	cqph	5	6	48	34	bcp	bcp	oqcqp	*
Roche's Point	1020.8	50	NNW	5	bc	1011.2	-6	48	+3	NNW	6	-	bc	4	2	54	42	b.bc	bc	bc.bcp	*
Birr Castle	1020.5	43	NW	3	c	1012.0	*	38	-5	N	4	-	o	*	?	51	38	cp	cp	c.o.p	8.6
Donaghadee	1016.4	44	NNW	5	bcq	1009.2	-1	38	-3	NNE	5	-	oqqm	5	2	46	32	om.bcq	d.cqz	oqmrd	*
Liverpool (Bidston)	1014.6	44	NW	5	b	1008.0	-6	37	-5	WSW	2	-	or	2	2	47	36	b	c.b	b.or	6.4
Holyhead	1016.5	45	N	6	bq	1008.4	-5	36	-8	SW	2	-	oq	1	5	48	36	cp.cq	bc.bq	c.bc.or	7.5
Pembroke (St. Ann's Head)	1018.8	46	N	3	br	1008.6	-9	43	-2	WSW	5	-	oqr	4	5	49	40	cqp	d.cq.r	cr.or	10.0
Scilly (St. Mary's)	1020.1	50	NNW	5	b	1016.7	-5	46	-1	WNW	6	W	orm	6	0.4	52	44	cp.bc	bcq	bc.orm	11.2
Jersey (St. Aubin)	1015.5	49	NW	4	c	1016.1	-1	44	-4	SW	4	-	o	3	2	53	41	bqp.o.b	bc.bc	b.op.o	7.7
Portland Bill	1013.8	48	NW	6	bcq	1013.7	+3	43	-4	WSW	3	W	c	2	6	50	39	cq	cqp	bc.cr	*
Dungeness	1007.2	45	NNW	6	bcq	1013.1	0	40	-6	W	3	W	b	3	4	54	30	cqhr.c	qtlr.c	cq.c.bc	*
Wick	1013.9	36	NNW	3	bc	1008.6	+1	33	-2	NNE	5	-	omqps	5	1	39	30	cph.bc	bcq	omqps	*
Nairn	1014.2	41	NE	2	bc	1007.6	*	32	-4	N	7	-	sq	5	9	44	30	csp q	c.bc	bcq s	7.2
Leith	1014.5	41	NNW	4	bc	1004.7	-3	36	-4	W	2	W	c	2	0.2	45	34	ocq.bc	chq.bc	bcqhpc	*
Tynemouth	1012.5	40	NNE	6	cq	1006.7	-3	35	-6	WNW	2	-	om	4	-	42	30	oqp	cqp	cq	*
Spurn Head	1008.4	41	NNW	7	cq	1009.4	-1	39	-1	SW	2	-	c	4	2	45	33	oq	crpq	bc.c	0.0
Yarmouth (Gorleston)	1005.3	41	N	7	b	1013.8	0	36	-8	WNW	4	-	bc	3	4	54	32	bcqp	bcqp	bcqps	3.0
Clacton-on-Sea	1007.1	43	NW	6	c	1012.5	0	37	-9	W	3	-	b	2	5	50	32	crktl	cqpr	c.bc.b	3.7
Nottingham	1012.7	39	N	5	r	1009.3	*	36	-8	S	1	SW	o	*	3	49	29	c.op	cp	cp.rs.b	2.1

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARY OF CONDITIONS AT 7 A.M. Sunday, 27th April, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	SW. 5-15	Rather cold	Fair to fine.	Good	Slight
2. E. England	WSW-WNW. 5-15	Cold	" " "	Ordinary	"
3. E. Midlands	S-SW. 2-5	Rather cold	Cloudy to dull	"	–
4. W. Midlands	SW. 5-10	"	Cloudy, local rain	"	–
5. S.W. England	SW-W. 15-28	Moderate	Dull, local rain & mist	"	Slight
6. South Wales	WSW. 21	"	" " " & squalls	–	Moderate
7. North Wales	SW-W. 5-10	Cold	Dull, local snow	Ordinary	Smooth
8. N.W. England	WSW-WNW. 5-10	"	Dull, local rain	–	"
9. N. Midlands	SW. 5-10	Rather cold	Dull, local rain	Ordinary	–
10. N.E. England	S-W. 5	"	Dull, local mist	"	Moderate
11. E. Scotland	Variable	Cold	Cloudy, local snow	Poor	Slight
12. S.W. Scotland	W-NW 10-21 5-15	"	Cloudy, local snow	Variable	Rather rough
13. Isle of Man	NW-N 5-15	"	Dull, local rain	–	Moderate
14. N.&N.W. Scotland	N-NE 21-35	"	Dull, local snow	Poor	Rather rough
15. Hebrides	N-NE 21-28	"	Fair, squally	Ordinary	"
16. Orkneys and Shetlands	NNW-NNE 21-35	"	Dull, local snow & Mist	Fair	"
17. N.W. Ireland	NNE 28	"	Cloudy, hail showers	Ordinary	"
18. N.E. Ireland	N 21-35	Rather cold	Cloudy, local showers	V. good	"
19. S.E. Ireland	N 15-21	"	Fair to dull	Good	Moderate
20 S.W. Ireland	NW-N 21-28	Moderate	Cloudy, showery, squally	V. good	"



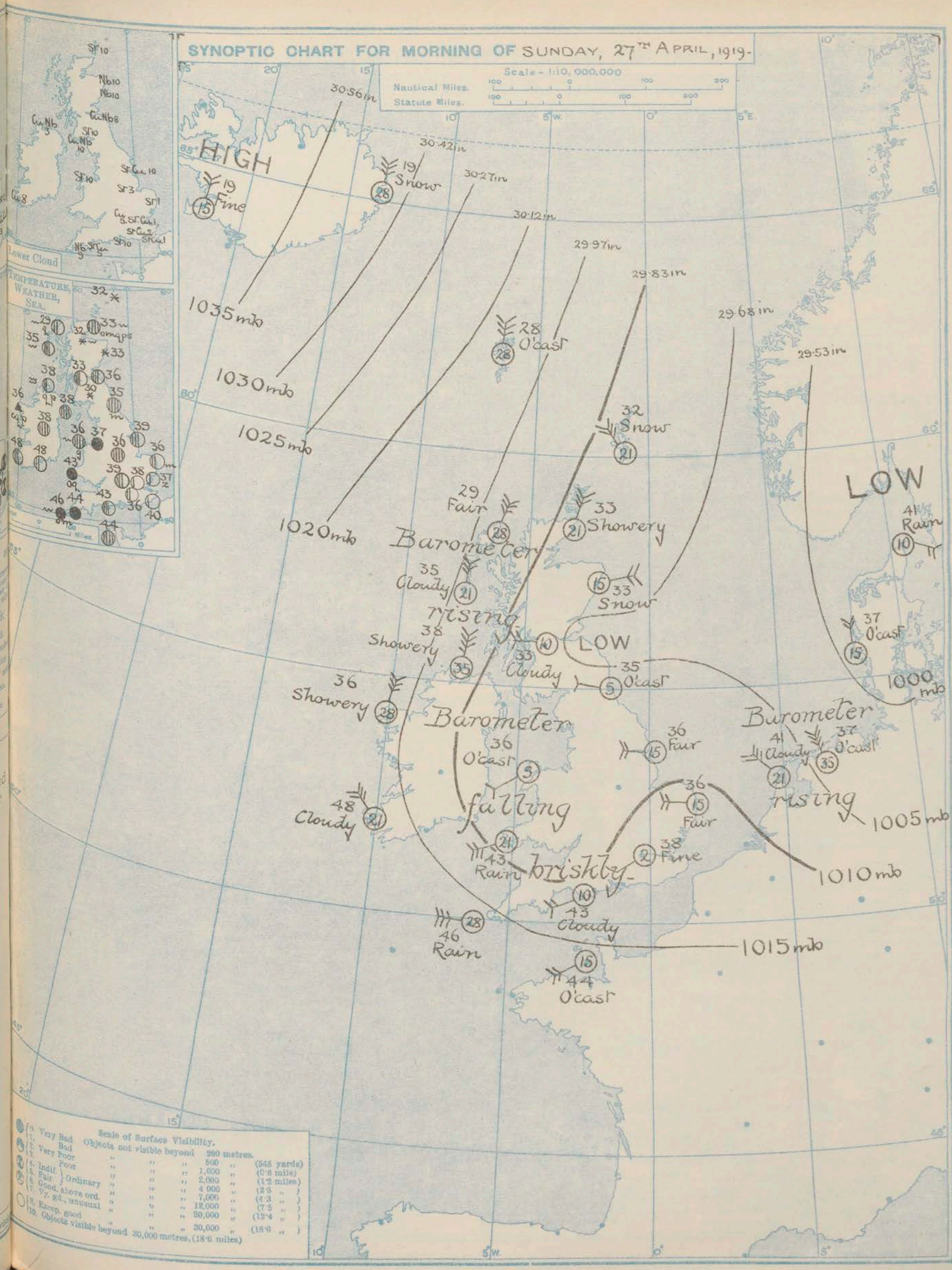
EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS.—clear sky. sky ½ clouded. overcast sky. snow. hail. T thunder. sky ½ clouded. rain. fog. E thunderstorm.
SEA DISTURBANCE.—Rough. High.

GENERAL INFERENCE from observations received up to

A depression over Southern Scotland is moving South and will cause showers of rain, sleet or snow in all districts.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Sunday, 27th April 1919	Further Outlook.
1. S.E. England 2. E. England 3 E. Midlands 4. W. Midlands	Moderate SW winds veering to NW and becoming stronger later; changeable, rain or sleet showers; squally, cold.	A cold unsettled type of weather is likely to continue for two days
5. S.W. England 6. South Wales	Strong NW breeze; changeable, rain or sleet showers, squally; cold.	
7. North Wales 8. N.W. England	Strong NW or N breeze; changeable, snow or hail showers, squally; cold.	
9. N. Midlands 10. N.E. England	Same as 1-4	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Strong N breeze, changeable, snow or hail showers; cold.	

Meteorological Office, Exhibition Road, London, S.W. 7. H. G. LYONS, Col., Director. R. G. K. LEMPFERT, C.B.E., Superintendent Forecast Division.


SYNOPTIC CHART FOR MORNING OF SUNDAY, 27TH APRIL, 1919.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
HIGH
19 Fine
19 Snow
28 O'cast
29 Fair
35 Cloudy
33 Showery
32 Snow
33 Snow
LOW
41 Rain
37 O'cast
33 Cloudy
35 O'cast
38 Showery
36 Showery
36 O'cast
48 Cloudy
43 Rain
46 Rain
44 O'cast
38 Fine
36 Fair
36 Fair
41 Cloudy
37 O'cast
Barometer rising
Barometer falling briskly
Barometer rising
1035 mb
1030 mb
1025 mb
1020 mb
1015 mb
1010 mb
1005 mb
1000 mb
30·56 in
30·42 in
30·27 in
30·12 in
29·97 in
29·83 in
29·68 in
29·53 in
Lower Cloud
TEMPERATURE, WEATHER, SEA.
Scale of Surface Visibility.
0. Very Bad
1. Bad
2. Very Poor
3. Poor
4. Indif.
5. Fair
6. Ordinary
7. Good, above ord.
8. Vy. gd., unusual
9. Excep. good
10. Objects visible beyond 30,000 metres. (18·6 miles)
Objects not visible beyond 200 metres.
500 (545 yards)
1,000 (0·6 mile)
2,000 (1·2 miles)
4,000 (2·5)
7,000 (4·3)
12,000 (7·5)
20,000 (12·4)
30,000 (18·6)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 117. B

SUNDAY APRIL 27TH

WEATHER TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR APRIL 26TH

	STATIONS	Weather. Forenoon	Weather. Afternoon	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h.-9h. 26th	Rainfall. Day. 9h.-17h. 26th	Sunshine. to 17h. 26th	Sunshine. to Sunset 25th
Scotland.	Banff								
	St. Andrews ...								
	Montrose	-	-	53	36	2	-	5·6	1·7
England, N.E.	Harrogate	opbc	bcp.bc	46	36	4	1	2·0	1·0
	Skegness								
England, E.	Felixstowe	bertq	bc.rq	50	40	1	3	2·8	4·8
	Walton-on-Naze...								
	Southend-on-Sea...	ocrtl	ocrtl	53	40	2	1	2·5	1·2
England, S.E.	Littlehampton	-	-	54	41	-	5	4·9	?
	Margate	c	bctp	50	43	trace	2	3·6	5·1
	Ramsgate								
	Hastings	o.bc.b	tlr	52	41	-	4	4·8	3·4
	Eastbourne... ...	bcq	opq	52	43	-	trace	6·6	6·3
	Worthing								
	Bournemouth ...	-	-	53	43	-	trace	8·3	4·4

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h.-9h. 25th	Rainfall. Day. 9h.-17h. 26th	Sunshine. to 17h 25th	Sunshine. to Sunset 25th
England, N.W.	Southport	o.c.bc.cy	c.bc.rc	47	41	1	1	5·7	0·7
Midlands.	Buxton	-	-	42	37	8	1	0·8	0·3
	Leamington Spa...	c.b.p	c.b.pu	49	41	1	trace	2·3	1·6
	Malvern								
	Ross-on-Wye ...	bc.opc.	bc	53	43	1	trace	7·0	3·4
Wales.	Rhyl								
	Colwyn Bay ...								
	Llandudno								
	Aberystwyth ...	r.o.c.	c.b.b	47	43	*	*	6·0	0·0
England, S.W.	Weymouth								
	Torquay								
	Penzance	bc	bc	53	46	trace	-	10·5	4·0
	Newquay								
	Weston-s-Mare ...								

STATIONS.	Summaries for past 24 Hours. Weather. 7h.-13h. 26th	13h.-18h. 25th	18h. 26th-1h. 27th	1h.-7h. 27th	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h.-18h.	Rainfall. Night. 18h.-7h.	Sun. Hours.
†Houton Bay (Orkney)...	q prh₀	q.prh₀	p₂.q	s₀q	39	29	*	*	*	*
Eskdalemuir	opqbc.phq	bp₂qbc	bc.b.bcx	oshn	32	21	15	Trace	2	4·4
†Stranraer	bbcq	bc.cq	*	bbcpd	51	30	*	*	*	*
†Lough Foyle	prh₀q	po	*	pd, t	50	34	*	*	*	*
Valencia (Cahirciveen) ...	bc.o.bs	bc.cp	bcp	cpq	50	44	40	-	4	9·4
†Anglesey (Llangefni) ...	p.c.o	b.bcq	o.p.o	rs,	49	34	*	*	*	*
Falmouth	cq	cq.pqy	b.bc	or	51	39	28	-	1	11·1
†Calshot (Hants)	c.oq	c.oprh₁	b₀	co	54	33	*	*	*	*
†Capel (Folkestone)... ...	r₂tt	q.tkrh₁	*	pd q	52	33	*	*	*	*
Aberdeen	crspq	bcshq	bcc	os	42	31	18	Trace	2	6·9
†East Fortune	bc.cq	⊕.q	c.bc	gfco	52	30	*	*	*	*
†Howden	prq	qtr₁	*	fco	53	24	*	*	*	*
†Felixstowe	trh₀q	f.q	prq	bbcz	50	36	*	*	*	*
†Cranwell (Lincs) ...	–	q.prh₂	bc.b.bc	bbcx	48	27	*	*	*	*
Benson	tbc	tqsbc	*	bbc	51	29	23	2	2	*
London (Kew Obsy.) ...	bc.c.abc	bc.qro	bcb	b	51	33	24	2	–	3·6

BEAUFORT NOTATION.

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.
e wet air without rain falling.
f fog. g gloom.
h hail. l lightning.
m mist.
o overcast sky.
p passing showers.
q squalls.
r rain.
rs sleet, *i.e.*, rain and snow together.
s snow.
t thunder.
u ugly, threatening sky.
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.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. 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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

LONDON. OBSERVATIONS.	Weather. Morning	Weather. Afternoon.	Weather. Night.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours.	Humidity %. 15 h. G.M.T.	Humidity %. 9 h. G.M.T.
	24 Hours ended 9h G.M.T. 27th							Yesterday.		To-day.
Greenwich (Royal Observatory)	co	copq	pbt	51	31	22	3	2·2	79	66
City (Bunhill Row)	×	×	×	×	×	×	×		×	×
Westminster (St. James's Park)	×	×	×							
" (Admiralty Arch)	cpqm	porsqpq	cpbcbx	53	35	*	1·4	2·8	72	69
Camden Sq. (British Rainfall)	bcorbc	pt bco	×	53	32	30	5	3·0	84	53
Kensington Palace	o	orbc	×	51	32	27	1·4	×	71	65
Richmond Park	×	×	×	×	×	*	×		×	×

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total ..... Joules.

Average Rate. Milliwatts.

Maximum Rate. " "

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

APRIL 27th & 28th 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth...	4.33	11.51	7.8
	4.30	11.50	7.10
Greenwich	4.43	11.58	7.13
	4.41	11.57	7.15
Wick ...	4.32	12.10	7.46
	4.29	12.9	7.50
Valencia ...	5.22	12.39	7.56
	5.20	12.38	7.57

NOTES ON THE WEATHER OF YESTERDAY.

Maximum temperature did not exceed 54°. At Eskdalemuir the maximum was only 32° and the minimum was as low as 21°. Some good records of bright sunshine were obtained, 11 hours at Scilly and Falmouth, but over Eastern England there was very little.

Rain fell generally, 9 mm. at Nairn and 6 mm. at Blackwod Point.

† Air Ministry Station. * Information for these columns not usually received.

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METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No. 20,976 B .... MONDAY, 28TH APRIL ..... 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud Form.	Upper Cloud Amt. 0-10.	Sea 0-9.
	13H. G.M.T. of ....27TH.....													
†Houton B. (Orkney)	1012·0	+1	N'W	8	33	s,	82	5	1-1500	nb	8	–	–	6
Eskdalemuir ...	1004·0	-1	N	5	35	ospm	87	4	1-1500	nb	9	–	–	*
†Stranraer ...														
†Lough Foyle ...	1015·7	+1	N	9	36	o	92	5	2-3000	cu.	9	–	–	?
Valencia (Cahirc'n) ...	1020·7	+5	NNW	7	44	c	55	8	2-3000	cu.	8	–	–	5
†Anglesey (Llangefni)	1008·4	0	N'W	8	42	c	65	8	1½-2000	fr.cu	8	–	–	6
Falmouth ...														
†Calshot (Hants) ...	1010·6	+4	NNW	7	45	T,q	75	5	–	cu.nb	7	–	–	*
†Capel (Folkestone)	1000·3	-16	SW	5	46	To q	98	6	1½-2000	nb	10	–	–	5
Aberdeen ...	1017·1	-8	S	6	37	T,	92	5	½-1000	nb.	10	–	–	5
†East Fortune ...	1009·8	+4	N	3	36	o	65	7	–	nb	10	–	–	4
†Howden ...	1006·0	+3	NE	7	32	S2	98	0	1-1500	nb.	10	–	–	*
†Felixstowe ...	1003·9	-5	SSE	1	33	So	98	0	½-1000	st.	10	–	–	*
†Cranwell (Lincs)	1006·8	-7	SSW	4	42	o	92	4	2-3000	st.cu	10	–	–	4
Benson ...														*
London (Kew Ob.)	1001·3	-13	E	1	33	T,m,	98	1	–	–	–	–	–	*
	1004·2	-14	SE	3	38	OT,	?	5	–	st.cu	8	al.st	2	*
	1H. G.M.T. of ...28TH.....													
†Houton B. (Orkney)	1012·4	+3	?	1	30	S,q	?	?	½-1000	st	10	–	–	?
Eskdalemuir ...	1011·1	-2	NW	4	29	b	65	5	–	st	3	–	–	*
†Stranraer ...														
†Lough Foyle ...														
Valencia (Cahirc'n) ...	1025·6	0	NW	8	38	bc	–	–	–	–	–	–	–	–
†Anglesey (Llangefni)	1011·9	+7	NE	7	34	c	82	–	1½-2000	st.cu	5	al.st	2	6
Falmouth ...														
†Calshot (Hants) ...	1009·5	-3	NW	8	34	rs,q	98	0	–	nb	10	–	–	*
†Capel (Folkestone)	999·1	-5	WNW	6	33	o	98	3	½-1000	nb	10	–	–	6
Aberdeen ...														
†East Fortune ...	1006·3	-4	NNW	6	35	h2	98	3	2-3000	cu.nb	10	–	–	–
†Howden ...	1009·7	-3	WSW	3	32	b	92	10	–	–	–	–	–	*
†Felixstowe ...														*
†Cranwell (Lincs)														
Benson ...														*
London (Kew Ob.)	996·6	-3	NNE	3	34	OS	–	–	–	–	–	–	–	*

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud Form.	Upper Cloud Amt. 0-10.	Sea 0-9.
	18H. G.M.T. of .....27TH.....													
†Houton B. (Orkney)	1010·2	-2	N'W	8	34	rs,	98	4	½-1000	nb.	10	–	–	6
Eskdalemuir ...	1009·1	+7?	NNE	7	28	osm	98	5	–	nb.	10	–	–	*
†Stranraer ...														
†Lough Foyle ...	1017·4	+3	NNE	9	35	o	92	5	2-3000	cu.	9	–	–	6
Valencia (Cahirc'n) ...	1022·1	+1	N	7	41	c	55	10	3-4000	st.cu	8	–	–	4
†Anglesey (Llangefni)	1007·3	0	N	9	32	S2q	98	2	600-1500	st	10	–	–	7
Falmouth ...														
†Calshot (Hants) ...	1011·3	0	NNW	6	40	bcqp	–	–	–	–	–	–	–	*
†Capel (Folkestone)														
Aberdeen ...	993·6	-14	W	2	40	o	98	5	1-1500	cu.nb	5	al.cu	5	4
†East Fortune ...	1010·8	0	NW	5	39	bc	65	7	–	fr.cu	4	–	–	3
†Howden ...	1010·7	+4	NNE	5	30	o	92	7	4-5000	st	8	–	–	*
†Felixstowe ...	1002·3	-1	N	1	34	o	92	5	3-4000	st	10	–	–	*
†Cranwell (Lincs)	999·8	-10	SE	7	36	TS2q	98	1	2-3000	nb	10	–	–	6
Benson ...	1001·5	-3	NNE	1	32	So	98	4	2-3000	nb	10	–	–	*
London (Kew Ob.)	1001·2	+1	NW	4	36	o	75	6	4-5000	cu	2	ci	6	*
	999·4	+3	NNW	4	33	s,	98	3	–	st	10	–	–	*
	7H. G.M.T. of ...28TH.....													
†Houton B. (Orkney)	1017·8	+5	NNE	9	36	c	75	5	3-4000	cu.nb	7	–	–	6
Eskdalemuir ...	1008·6	0	N	4	32	osf	98	0	–	nb	10	–	–	*
†Stranraer ...														
†Lough Foyle ...	1019·5	+2	N	10	41	o	92	5	2-3000	cu	8	–	–	6
Valencia (Cahirc'n) ...	1024·8	0	NNW	6	42	cq	65	10	2-3000	cu	7	al.cu	1	4
†Anglesey (Llangefni)	1010·1	-3	NNE	6	38	o	82	7	½-1000	st	10	–	–	5
Falmouth ...														
†Calshot (Hants) ...	1011·9	+4	N	6	39	cq	75	6	–	nb	8	–	–	*
†Capel (Folkestone)	1003·8	+7	N	7	35	o	75	7	1½-2000	st.cu	8	ci.st	2	6
Aberdeen ...	997·0	+9	ENE	4	34	o	98	7	½-1000	st.cu	10	–	–	4
†East Fortune ...	1010·4	+5	NNE	7	38	ocq	92	4	–	nb	10	–	–	5
†Howden ...	1008·0	-2	NW	2	32	TS.	92	0	1-1500	nb	9	–	–	*
†Felixstowe ...														*
†Cranwell (Lincs)														
Benson ...														
London (Kew Ob.)	1006·6	+2	N	3	32	c	82	6	2-3000	st	4	fu.ci	3	*
	1005·7	+5	NNW	6	33	bc	82	5	–	–	–	ci	3	*
	1003·3	+8	N	5	36	o	82	5	–	st.cu	4	al.st	6	*

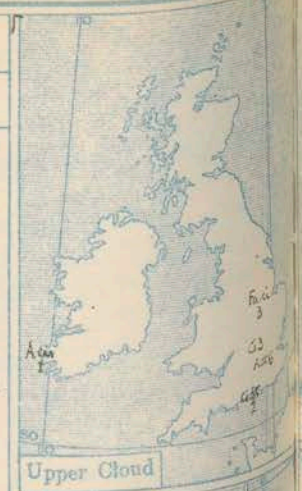
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

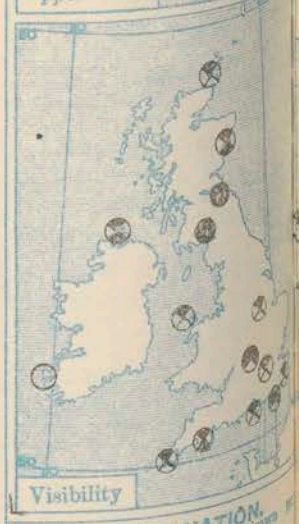
STATIONS	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather	Barometer. at M.S.L. m.b.	Barometer. ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	18H. G.M.T. of ...27TH.....					7H. G.M.T. of ...28TH.....									24 HOURS ENDED 7H. ..28TH.....						...27TH
Lerwick ...	1007·2	38	N	4	cm	1017·4	+4	40	+8	N	8	N	cmq	6	3	42	32	omqps	omqps	omq	*
Stornoway ...	1018·2	34	N	6	cpsq	1023·2	+3	38	+9	NNE	6	–	cq	5	13	38	28	cptsq	epsq	cpsq	4·3
Castlebay (Barrafs)	1019·8	38	N	5	osp	1022·5	+1	40	+5	N	4	–	b	4	1	40	29	cs, bcs	sbc, sc	spbc, b	8·7
Glasgow ...	1013·1	35	NNE	3	c	1010·3	-2	39	+6	N	5	–	o	*	1	39	30	c, osq	sq, o, c	c, b, osp	1·2
Malin Head ...	1015·6	35	N	8	bcqps	1017·3	+2	41	+3	N	8	N	bcqph	8	3	41	35	bcqps	bcqps	bcqph	8·2
Blacksod Point																					*
Roche's Point ...	1020·7	34	N	7	bcqph	1024·2	+1	40	+4	N	8	–	cqs	6	0·4	41	31	bcqph	bcqph	phqps	
Birr Castle ...	1017·0	40	NW	8	cspq	1019·6	0	40	-8	NNW	7	–	b	4	1	48	34	bc	bccsp	ocspb	*
Donaghadee ...	1017·1	36	NNW	4	c	1019·9	*	38	0	NW	3	–	c	*	1	42	31	q, cph	cphs	cphs	8·4
Liverpool (Bidston)	1012·3	37	NNW	8	omq	1011·6	-1	42	+4	NNE	8	–	omq	7	1	42	36	bcmqp	omqph	bhqph	*
Holyhead ...	1002·3	37	NW	6	c	1008·0	-2	39	+2	NNW	5	N	bc	4	4	42	32	or, bc	o, cp	c, os	3·7
Pembroke (St. Ann's Head)	1007·6	35	N	9	orsq	1009·6	-3	41	+5	N	7	–	bcq	7	3	42	33	cpsq	cpsrs	dqh bc	5·2
Scilly (St. Mary's)	1011·4	36	NNW?	7	bcqhp	1011·9	0	40	-3	NNE	6	NE	cq	6	7	46	32	cqrhp	cqhp	oqhs, b	5·7
Jersey (St. Aubin)	1014·9	44	N	7	qps	1014·9	+1	41	-5	NNW	7	N	cq	7	3	50	36	o, cqp	cqphs	cq	6·2
Portland Bill ...	1008·1	45	WNW	6	c	1004·6	+1	40	-4	N	6	–	oqp	4	5	50	34	op, or	orq, b	b, oqp	4·3
Dungeness ...	1004·2	44	W	6	bcq	1006·0	+4	32	-11	N	7	N	bcq	5	6	49	32	rqpc	cqr, bc	bcq	*
Wick	993·7	43	WSW	5	bcq	996·3	+9	38	-2	NE	6	NE	cq	5	14	46	32	cr	qrbc	sqs, cq	*
Nairn	1009·9	39	NNW	5	ompqh	1016·0	+7	40	+7	N	9	–	cmq	6	6	41	32	ompqh	ompqh	omp, cq	*
Leith	1013·6	34	N	4	o	1016·4	*	42	+10	NNE	7	–	cqu	6	2	40	30	squ, bc	bc, uc, o	bzsqc	5·3
Tynemouth ...	1011·5	35	NNE	6	o	1008·6	-1	37	+1	NNE	5	–	s	5	12	40	30	c, osq	sqo	o, cqrs	*
Spurn Head ...	1006·5	33	ENE	6	mqs	1005·7	-1	34	-1	NW	3	–	cm	4	6	39	30	omps	omsq	cm	*
Yarmouth (Gorleston)	1002·6	34	–	0	os	1005·8	+2	34	-5	NNW	5	–	cq	4	11	42	32	or	ors	cq	0·0
Clacton on-Sea	1001·4	40	SE	6	o	1002·7	+4	41	+5	ENE	7	–	bc	6	1	52	35	bcm, cm	cm, op	or, bc	4·5
Nottingham ...	996·8	38	E	7	r	1000·4	+5	37	0	NE	5	–	o	5	26	45	34	bc, ogr	ogr	–	3·9
	1001·5	35	E	2	s	1007·0	*	34	-2	NW	2	NE	c	*	9	40	32	ors	so	os	0·0

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARY OF CONDITIONS AT 7 A.M. Monday, 28th April, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	N-NE. 15-28	Very cold	Cloudy to overcast	Good	Mod.
2. E. England	NE ENE 20-35	Rather cold	Variable cloud	–	Rough
3. E. Midlands	N-NW. 5	Very cold	Cloudy, snow and mist.	V.poor	–
4. W. Midlands	N-NW. 5	"	" " "	"	–
5. S.W. England	N-NNW. 28-35	Cold	Cloudy; squally.	Good	Rather rough
6. South Wales	NNE. 28	Rather cold	Cloudy.	–	Rough
7. North Wales	N-NNE. 28-35	"	Fair, squally.	V.good	High
8. N.W. England	NNW. 20	"	Fair.	–	Mod.
9. N. Midlands	NNW. 20	"	"	–	–
10. N.E. England	NNW. 10	"	Cloudy, local mist.	–	Mod.
11. E. Scotland	N-NNE. 20-35	"	Cloudy, rain and squalls	V.poor	Rough
12. S.W. Scotland	N. 15-20	Cold	Overcast; snow showers.	"	"
13. Isle of Man	N. 15-20	"	" " "	"	"
14. N.&N.W. Scotland	N. 43	Mod.	Cloudy; mist & squalls	–	"
15. Hebrides	N-NNE. 15-28	Rather cold	Variable cloud; squally.	–	Mod.
16. Orkneys and Shetlands	N. 43	"	Cloudy, squally.	Ord.	Rough
17. N.W. Ireland	N. 43	"	Cloudy; squalls & snow showers.	–	"
18. N.E. Ireland	N-NNE. 43	Mod.	Variable cloud, squalls, showery.	Ord.	High
19. S.E. Ireland	NW. 10	Rather cold	Cloudy	–	–
20 S.W. Ireland	NNW. 35	"	Fine	–	Mod.





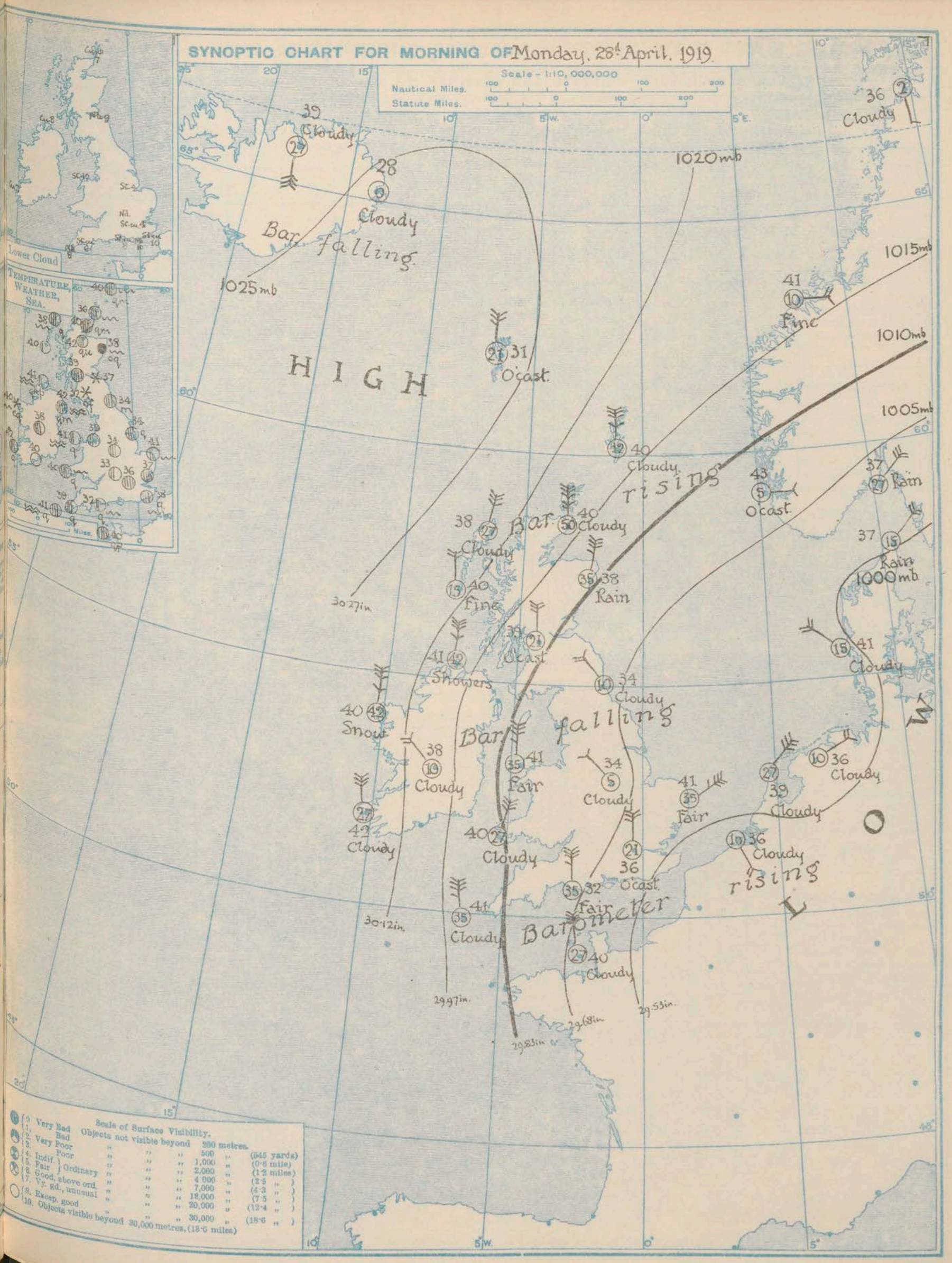
EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS.—clear sky. sky ¼ clouded. sky ½ clouded. sky ¾ clouded. overcast sky. rain falling. snow. hail. fog. T thunder. thunderstorm.
SEA DISTURBANCE.—Rough High

GENERAL INFERENCE from observations received up to 10 a.m.

The Atlantic anticyclone is spreading eastward but disturbances continue to travel southward across the North Sea and will maintain strong Northerly or North-Easterly winds.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Monday, 28th April, 1919.	Further Outlook.
1. S.E. England 2. E. England 3 E. Midlands 4. W. Midlands	Strong NE. or N. winds. Variable cloud, snow showers. Squally. Cold.	North-Easterly winds and cold, changeable weather will probably continue in all districts.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Strong Northerly winds or gales. Changeable, snow or hail showers, squally. Cold.	
9. N. Midlands 10. N.E. England	Same as for 1 4	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Strong NE. winds or gales. Cloudy, snow showers, Squally. Cold.	
17. N.W. Ireland 18. N E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Same as for 5 8	

Meteorological Office, Exhibition Road, London, S.W. 7. H. G. LYONS, Col., Director. R. G. K. LEMPFERT, C.B.E., Superintendent Forecast Division.


SYNOPTIC CHART FOR MORNING OF Monday, 28th April, 1919.
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
Lower Cloud
TEMPERATURE, WEATHER, SEA.
HIGH
Bar falling
Bar rising
Bar falling
Bar rising
Barometer
1025mb
1020mb
1015mb
1010mb
1005mb
1000mb
30·27in
30·12in
29·97in
29·83in
29·68in
29·53in
Scale of Surface Visibility.
0 Very Bad
1 Bad
Objects not visible beyond 250 metres.
2 Very Poor
3 Poor
4 Indif.
5 Fair } Ordinary
6 Good, above ord.
7 V.y. gd., unusual
8 Excep. good
9 Objects visible beyond 30,000 metres. (18·6 miles)
500 (545 yards)
1,000 (0·6 mile)
2,000 (1·2 miles)
4 000 (2·5)
7,000 (4·3)
12,000 (7·5)
20,000 (12·4)
30,000 (18·6)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 118. B

MONDAY. 28TH APRIL

WEATHER TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR APRIL 27TH

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 26th	Rainfall. Day. 9h-17h. 27th	Sunshine. to 17h. 27th	Sunshine. to Sunset. 26th
Scotland.	Banff	-	s	39?	31	*	*	0·5	*
	St. Andrews ...								
England, N.E.	Harrogate	osp	ospc	38	27	1	2	0·0	2·3
	Skegness								
England, E.	Felixstowe	bcc	corq	44	32	0·2	3	4·3	2·8
	Walton-on-Naze...								
	Southend-on-Sea...								
England, S.E.	LITTLEHAMPTON.	-	orrt	48	32	-	6·5	1·0	4·9
	Margate								
	Ramsgate								
	Hastings	bbcor	or	47	32	-	6	3·7	4·8
	Eastbourne... ...	bbroq	bcoqr	46	34	1	8	0·0	9·8
	Worthing	cr	cbrs	44	30	-	2	2·5	*
	Bournemouth ...	-	-	49	34	Trace	7	4·5	8·3
England, N.W.	Southport	rocbc	bcbc	43	34	4	0·3	4·4	6·1
Midlands.	Buxton								
	Leamington Spa...								
	Malvern								
	Ross-on-Wye ...	ors	sp	45?	30	2	10	2·2	8·8
Wales.	Rhyl	sq	q	43	35	5	1·5	2·4	*
	Colwyn Bay ...	-	-	43	34	5	1	3·0	"
	Llandudno	ops	ops	43	34	8	1	3·2	"
	Aberystwyth ...								
England, S.W.	Weymouth								
	Torquay								
	Penzance								
	Newquay	orbq	orbq	48	41	0·1	6	3·8	*
	Weston-s-Mare ...								

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	Weather 7h-18h 27th	Weather 18h-18h 27th	Weather 18h 27th-1h 28th	Weather 1h-7h 28th	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)...	fps	s₀	qpd	prhq	37	29	*	*	*	*
Eskdalemuir	ospn	s₂	cbc	osf	39	26	21	2	1	3·5
†Stranraer	rh	*	*	*	*	*	*	*	*	*
†Lough Foyle	*	rh	*	c	44	34	*	*	*	*
Valencia (Cahirciveen) ...	bop	cy	bcqph	cq	48	32	32	1	1	8·2
†Anglesey (Llangefni) ...	bbcp₀	cprs	qs₀	crs	44	31	*	*	*	*
Falmouth	cpq	bcqp	cphq	psrprh	48	33	32	6	7	4·8
†Calshot (Hants)	omr	bbcw	bbcq	bcc	50	32	*	*	*	*
†Cape! (Folkestone)... ...	cv	corh	*	rs₀q	42	31	*	*	*	*
Aberdeen	cos	ps₀bcc	rh₂q	orq	38	32	31	7	15	4·4
†East Fortune	p₀	qs₂	bq	qrs₀	40	28	*	*	*	*
†Howden	ors	rs, co	*	*	*	*	*	*	*	*
†Felixstowe	c	s, rs₂	*	*	*	*	*	*	*	*
†Cranwell (Lincs) ...	*	prs₀	*	s₀x	42	30	*	*	*	*
Benson		bccs₀	*	bccs	53	31	*	15	5	*
London (Kew Obsy.) ...	or	rs₂	os	s₂	44	32	31	-	12	2·6

BEAUFORT NOTATION.

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.
e wet air without rain falling.
f fog. g gloom.
h hail. l lightning.
m mist.
o overcast sky.
p passing showers.
q squalls.
r rain.
rs sleet, *i.e.*, rain and snow together.
s snow.
t thunder.
u ugly, threatening sky.
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.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. 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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

LONDON. OBSERVATIONS.

24 HOURS ENDED 9H G.M.T. 28TH.

	Weather. Morning	Weather. Afternoon.	Weather. Night.	Max. Temp. °F.	Min. Temp °F.	Min. on Grass. °F.	Rainfall. min.	Sunshine to Sunset. Hours. (Yesterday.)	Humidity % 15 h. G.M.T. (To-day.)	Humidity % 9 h. G.M.T. (To-day.)
Greenwich (Royal Observatory)	ors	s	s	44	32	32	27	3·2	94	80
City (Bonhill Row)	*	*	*	*	*	*	*	2·5	*	*
Westminster (St. James's Park)	*	*	*	45	32	31	34	2·9	100	81
" (Admiralty Arch)						*				
Camden Sq. (British Rainfall)			*	43	32	32	40	1·7	-	80
Kensington Palace	ors	bcc	*	44	32	31	27	*	93	75
Richmond Park	*	*	*	*	*	*	*		*	*

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total .....490..... joules.

Average Rate. 9·4 Milliwatts.

Maximum Rate. 54 " "

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

.....28TH & 29TH APRIL..... 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth...	4·30	11·50	7·10
	4·28	11·50	7·12
Greenwich	4·41	11·57	7·15
	4·39	11·57	7·16
Wick ...	4·29	12·9	7·50
	4·26	12·9	7·52
Valencia ...	5·20	12·38	7·57
	5·18	12·38	7·58

NOTES ON THE WEATHER OF YESTERDAY.

Snow or hail fell in all districts yesterday and in Eastern England the fall of snow continued during most of the day. The amount of precipitation was variable, reaching 40 mm. (.58 inch) at Camden Square (rain and snow). The north and west had considerable fair intervals, 8.7 hours of bright sunshine being recorded at Castlebay and 8.4 hours at Birr Castle. Strong N'ly. winds were general, reaching gale force locally in all districts, while storm force (70 mph.) was reached at Holyhead last night. Temperatures continued low.

† Air Ministry Station

* Information for these columns not usually received.

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METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No 20,978 .. TUESDAY .. 29th. APRIL ...... 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind Direc.	Wind Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility 0-10.	Height of Low Cloud Feet.	Low Cloud Form.	Low Cloud Amt. 0-10.	Upper Cloud Form	Upper Cloud Amt. 0-10.	Sea 0-9.
	13H G.M.T. of 28th April													
†Houton B. (Orkney)	1021.5	+2	NNE	9	38	om	82	3	1½-2000	st	10	-	-	6
Eskdalemuir ...	1013.9	+5	NNE	9	35	o	98	5	1½-2000	nb	10	-	-	*
†Stranraer ...	1016.4	+5	N	6	39	og	75	5	1-1500	cu.nb	10	-	-	?
†Lough Foyle ...	1022.9	+2	N'E	9	43	c	87	6	3-4000	cu.	7	-	-	6
Valencia (Cahirc'n) ...	1023.4	-2	NNW	7	47	bq	65	8	2-3000	cu.	4	-	-	5
†Anglesey (Llangefni)	1011.9	+5	NE	6	41	o	82	8	½-1000	nb	9	-	-	5
Falmouth ...	1012.4	+1	NNW	4	37	orm	98	3	-	nb	10	-	-	*
†Calshot (Hants) ...	1007.8	+4	N	3	45	o	65	8	5-7000	st.	8	al.st	2	5
†Capel (Folkestone)	1003.7	+6	NNE	7	40	c	87	-	½-1000	st.cu	7	ci	1	6
Aberdeen ...	1016.4	+2	N	6	42	oq	75	7	-	nb	10	-	-	5
†East Fortune ...	1016.3	+8	NNE	6	40	r, q	87	5	1½-2000	nb	10	-	-	*
†Howden ...	1009.1	+4	NE	5	46	c	65	7	2-3000	st.cu	8	-	-	*
†Felixstowe ...	1005.8	+5	NE	5	46	cq	75	7	-	st.cu	5	ci.st	3	6
†Cranwell (Lincs)														*
Benson ...	1007.5	+3	NNE	4	44	b	-	-	-	-	-	-	-	*
London (Kew Ob.)	1007.2	+4	NNE	5	42	bc ⊕	65	5	-	fr.cu	1	ci	4	*
	1H. G.M.T. of 29th April													
†Houton B. (Orkney)	1023.4	-1	N'E	6	35	of₁	98	4	½-1000	st	10	-	-	?
Eskdalemuir ...	1020.3	+1	N	5	34	b	82	5	-	cu.	2	-	-	*
†Stranraer ...														
†Lough Foyle ...														
Valencia (Cahirc'n)	1027.0	+2	NNE	5	41	bc	-	-	-	-	-	-	-	-
†Anglesey (Llangefni)	1019.4	+3	NE	5	39	o	75	-	1-1500	st.cu.	10	-	-	6
Falmouth ...	1017.3	+1	N	4	41	bc	82	5	-	st	4	-	-	*
†Calshot (Hants) ...	1013.1	+2	N	5	42	o	82	6	2-3000	st.cu	10	-	-	4
†Capel (Folkestone)														
Aberdeen ...	1019.6	+1	N'W	7	36	b	75	3	2-3000	st.cu	3	-	-	-
†East Fortune ...	1020.9	+1	N	3	38	c	82	-	1½-3000	nb	6	-	-	*
†Howden ...														*
†Felixstowe ...	1008.3	0	N'W	4	39	roq	98	-	-	?	?	?	?	5
†Cranwell (Lincs)	1012.8	+2	NW	4	38	r,	92	5	1½-2000	nb	6	-	-	*
Benson ...														*
London (Kew Ob.)	1011.2	·0	NNW	3	40	bc	-	-	-	-	-	-	-	*

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind Direc.	Wind Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility 0-10.	Height of Low Cloud Feet.	Low Cloud Form.	Low Cloud Amt 0-10.	Upper Cloud Form	Upper Cloud Amt. 0-10.	Sea 0-9.
	18H. G.M.T. of 28th April													
†Houton B. (Orkney)	1022.5	+1	N	8	37	om₂	92	4	1-1500	st	9	-	-	6
Eskdalemuir ...	1017.3	+6	N	6	37	b	75	7	2-3000	nb	2	ci.st	1	*
†Stranraer ...	1020.0	+4	N	4	43	c	65	8	3-4000	(?)	?	?	?	?
†Lough Foyle ...														
Valencia (Cahirc'n) ...	1024.4	+1	N	7	45	bc	65	8	2-3000	cu.	4	a.cu	2	5
†Anglesey (Llangefni)	1016.2	+5	NE	7	43	c	76	7	1-1500	st.cu	6	al.st	1	7
Falmouth ...	1013.7	+8	NNE	5	36	ophq	-	-	-	-	-	-	-	*
†Calshot (Hants) ...	1010.2	+3	N	6	46	o	65	8	4-5000	cu.	9	-	-	3
†Capel (Folkestone)	1007.1	+3	NE	5	40	b	65	8	4-5000	cu.?	2?	-	-	4
Aberdeen ...	1018.6	+3	NNW	5	41	cqp	75	7	-	cu.nb	7	-	-	4
†East Fortune ...	1018.6	+3	N	6	40	bcq	75	8	3-4000	st.cu	5	ci.	1	*
†Howden ...	1011.6	+2	N'E	4	41	o	92	4	1½-2000	nb	9	al.st	1	*
†Felixstowe ...	1007.9	+2	NW?	4	41	beq	82	7	2-3000	st.cu	4	al.st	1	6
†Cranwell (Lincs)	1010.9	+3	N	3	41	c	92	5	2-3000	st	2	ci.	2	*
Benson ...	1010.0	+2	N	2	40	b	55	7	-	-	-	-	-	*
London (Kew Ob.)	1009.8	+3	NNE	2	44	bz	65	6	-	cu.	1	-	-	*
	7H. G.M.T. of 29th April													
†Houton B. (Orkney)	1021.5	-2	NW	6	35	rofi	98	4	½-1000	st	10	-	-	4
Eskdalemuir ...	1020.9	+2	N	4	34	bc	82	8	-	cu.	1	ci	4	*
†Stranraer ...	1022.9	0	NNW	1	39	c	75	8	3-4000	st.cu	7	-	-	?
†Lough Foyle ...	1026.4	0	N	6	40	o	92	7	2-3000	cu.	5	-	-	4
Valencia (Cahirc'n)	1027.6	+1	NNE	2	42	o	75	10	2-3000	st.cu	8	ci	1	3
†Anglesey (Llangefni)	1020.9	+3	NNE	6	40	c	75	8	3-4000	cu.nb	5	ci.st	3	5
Falmouth ...	1019.3	+2	NNE	4	42	c	82	6	-	cu.nb	4	al.cu	3	*
†Calshot (Hants) ...	1014.5	+1	N'W	6	41	o	82	8	3-4000	st	10	-	-	6
†Capel (Folkestone)	1008.9	+3	N	7	38	o	92	5	1½-2000	st.cu	10	-	-	5
Aberdeen ...	1020.4	0	NW	5	38	o	65	7	-	st.cu	10	-	-	3
†East Fortune ...	1021.4	+1	NNE	3	38	c	75	7	1½-2000	st.cu	8	-	-	*
†Howden ...	1014.7	+3	N'E	7	42	r, q	75	5	1½-2000	cu.nb	9	-	-	*
†Felixstowe ...	1009.8	+2	N	4	41	ho	98	5	-	nb	8	al.st	2	5
†Cranwell (Lincs)	1012.5	+2	N'W	4	40	o	92	6	3-4000	St.	?	-	-	*
Benson ...	1013.2	+2	NNW	5	39	o	87	4	-	cu.	10	-	-	*
London (Kew Ob.)	1012.6	+3	N	5	40	om,	82	4	-	st.cu	8	al.cu	1	*

STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. m b.	Temp. °F.	Wind Direc.	Wind Force 0-12.	Weather	Barometer at M.S.L. m.b.	‡ Change in 3 hours.	Temp. °F.	Change in 24 hours.	Wind Direc.	Wind Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Max. °F.	Min. °F.	Weather Morning.	Weather Afternoon.	Weather Night.	Sunshine Hours.
	18H. G.M.T. of 28th					**7H. G.M.T. of 29th.**									**24 HOURS ENDED 7H. 29th...**						**28th**
Lerwick ...	1021.0	41	N	7	cmq	1019.4	-2	38	-2	NW	1	-	cm	2	2	42	34	cmqph	cmqph	cm	*
Stornoway ...	1026.3	39	NNE	3	o	1023.0	-3	39	+1	WSW	2	-	o	1	-	42	35	c	c,o	c,o	3.7
Castlebay (Barra Is)	1026.6	39	N	3	o	1024.6	-1	42	+2	NW	3	-	o	3	1	43	36	b,o	o,bc,o	op,o	6.6
Glasgow ...	1020.0	41	N	5	cq	1022.5	0	35	-4	-	0	N	c	*	-	46	32	c,bc,c	c	c,b,bc,c	5.8
Malin Head ...	1023.6	41	NNE	8	bcq	1024.9	0	40	-1	N	4	N	c	5	-	43	39	bcq	bcq	c	9.9
Blacksod Point	1026.1	38	N	6	bcpqh	1027.8	0	39	-1	NNE	3	-	cqp	3	3	45	35	bcpqh	bcpqh	bcp,o,g	*
Roche's Point...	1020.5	47	N	5	bc	1025.7	+1	38	-2	NNW	2	NE	bc	*	-	50	37	bc	bc,c,bc	b,b,bc	*
Birr Castle ...	1022.6	44	NW	3	c	1026.9	*	40	+2	NW	2	N	bc		-	48	32	c	c	c,bc	7.8
Donaghadee ...	1019.4	44	NNE	6	bcmq	1022.7	+2	39	-3	NNE	5	N	bcqz	4	-	45	38	cmq	om,bcq	bq,bcq	*
Liverpool (Bidston)	1014.7	42	N	4	r	1018.7	+2	41	+2	NNW	4	N	bc	3	1	47	36	oph,bc	c,op	bcq	5.7
Holyhead ...	1016.9	43	NNE	7	cq	1021.2	+1	41	0	NNE	6	NE	cq	5	.5	44	37	opqh	opqhc	c,bcq	1.5
Pembroke (St. Ann's Head)	1015.1	43	N	6	cq	1020.9	+3	42	+2	N	4	N	bc	4	9	45	32	oqh,hp	oqr,hp	cq,oq	4.3
Scilly (St. Mary's)	1014.5	44	N	7	cq	1020.9	+1	41	0	N	5	N	cqph	6	9	46	37	opq	cqph	cqph	1.7
Jersey (St. Aubin)	1010.1	45	N	3	b	1015.1	+1	43	+3	N	4	-	og	3	1	47	39	qpc,b	b	b,og	8.5
Portland Bill ...	1009.8	47	N	4	bc	1014.3	+1	42	+10	N	5	N	c	3	-	48	32	bc,c	c,bc	bc,c	*
Dungeness ...	1006.5	43	NNE	5	bc	1008.3	+1	39	+1	N	5	N	c	5	3	45	35	qpsbc	qpc	bcqpc	*
Wick	1021.4	39	N	6	r	1021.1	-1	38	-2	NW	4	-	o	3	0.1	41	35	c,omg	ompq	bc,omg	*
Nairn	1022.6	38	NNE	6	c	1022.3	*	38	-4	N	2	-	bcq	2	-	42	34	cq	qc	qcu	1.2
Leith	1019.0	42	N	6	c	1021.4	0	38	+1	N	3	NE	c	3	7	43	37	TSrq,o	oqu,o,c	cu,o,c	*
Tynemouth ...	1012.8	42	NE	4	cmq	1016.9	+3	40	+6	NNW	5	-	oq	5	3	44	33	cmqp	cmqp	oq	*
Spurn Head ...	1009.2	42	NNE	6	cq	1011.4	+1	43	+9	N	7	-	cq	5	-	44	34	cq	cqp	bcq	3.6
Yarmouth (Gorleston)	1007.6	43	N	6	r	1008.3	+1	43	+2	NE	6	-	bcqh	6	4	46	38	bc	bc,oqp	bc,oph	8.8
Clacton-on-Sea	1007.4	45	NNW	4	bc	1009.2	+2	40	+3	NNW	4	N	bc	2	3	46	35	og,c	bcx	bpr cr	6.6
Nottingham ...	1011.2	43	N	3	c	1015.0	x	40	+6	NNW	4	N	cq	*	4	47	34	c,o	cpsh	cpcr	7.0

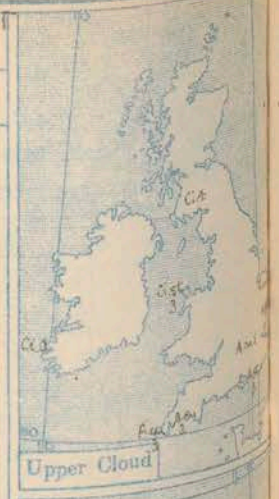
† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARY OF CONDITIONS AT 7 A.M. Tuesday, 29th April, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	N-NNE. 20-28	Rather cold	Overcast; squally.	Variable	Rather rough
2. E. England	N-NE. 15-28	"	Fair; squally, local showers.	Good	"
3. E. Midlands	NNW. 15	Moderate	Cloudy; squally.	–	–
4. W. Midlands	NNW. 15	"	" "	–	–
5. S.W. England	N-NNE. 15-20	Rather cold.	Cloudy; squalls and showers at Scilly.	Good	Rough
6. South Wales	N. 15	Moderate	Fair.	–	Mod.
7. North Wales	NNE. 28	Rather cold.	Cloudy; squally.	Ex. good	"
8. N.W. England	NNE. 15	Moderate	Fair.	–	Slight
9. N. Midlands	NNE. 15	"	"	–	–
10. N.E. England	NNE-N. 20-35	"	Variable sky; squally.	–	Mod.
11. E. Scotland	N-NNW. 10-20	Rather cold.	Cloudy to overcast.	Good	Slight
12. S.W. Scotland	Calm-N. 15	"	Cloudy.	Ex. good	Mod.
13. Isle of Man	Calm-N, 15	"	"	"	"
14. N.& N.W. Scotland	N-NW. 5-10	"	Variable cloud.	–	Slight
15. Hebrides	WSW-NW. 5-10	Moderate	Overcast.	–	Smooth
16. Orkneys and Shetlands	NW. up to 20	Rather cold	Cloudy; rain and mist.	Ord.	Slight
17. N.W. Ireland	NNE. 10	"	Cloudy; showers.	–	"
18. N.E. Ireland	N-NNE. 15-20	"	Variable sky, local squalls	V. good	Mod.
19. S.E. Ireland	NNW. 5	Moderate	Fair.	–	–
20 S.W. Ireland	NNW-NNE. 5	Rather cold	Variable cloud.	Ex. good	Smooth

GENERAL INFERENCE from observations received up to 10 a.m.

Under the influence of a depression over Iceland the barometer is falling slowly in the north of Scotland, and the winds will probably back gradually to West or North-West over all the British Isles, causing milder weather.

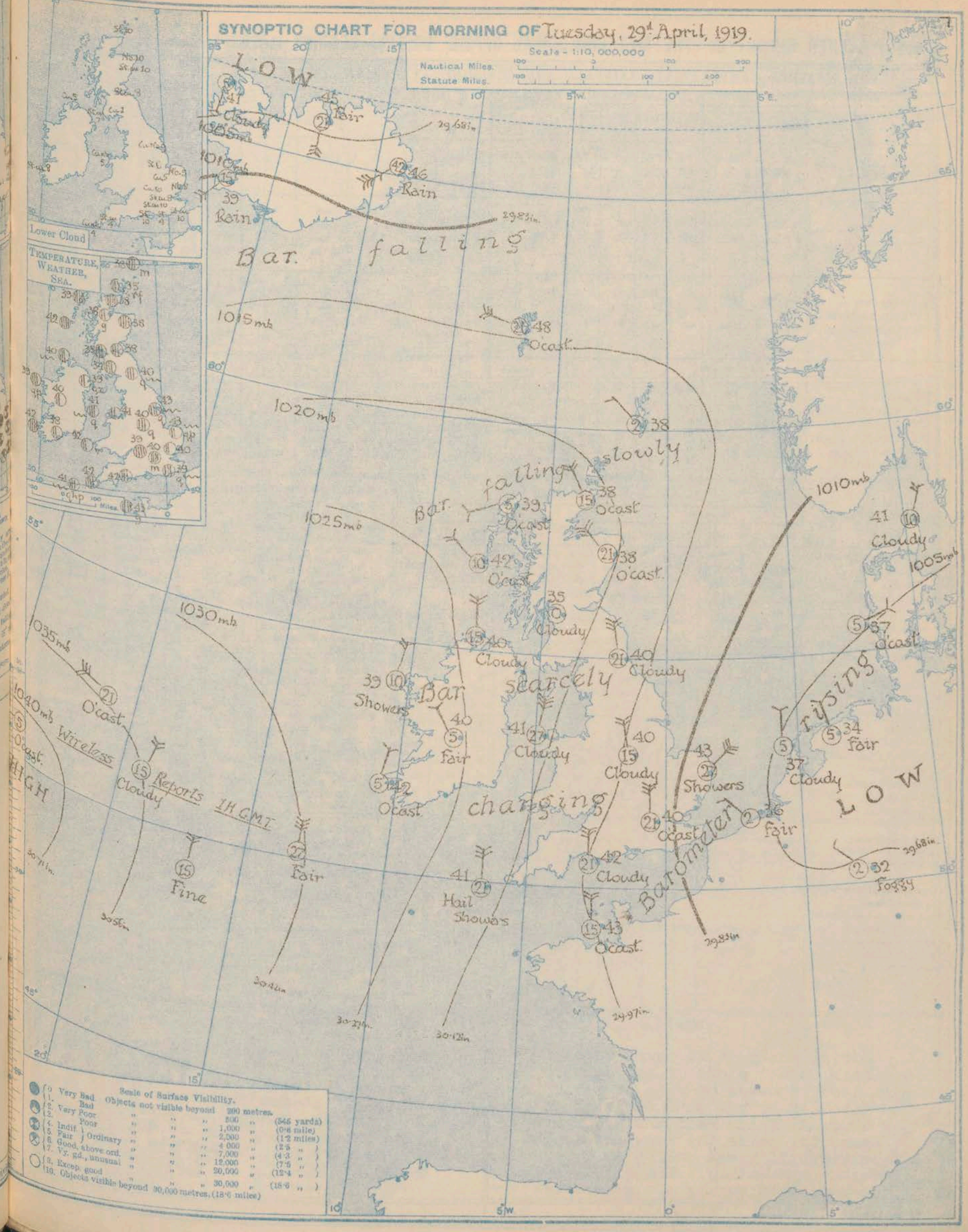


EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by the flying with the wind. Force on the 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in degrees.
WEATHER SYMBOLS.—
clear sky. sky ½ clouded. overcast sky. snow. ▲ hail. ≡ fog. T thunder. ξ thunderstorm.
SEA DISTURBANCE.— Rough High

Districts.	Forecasts for the 24 hours commencing 3 p.m. Tuesday, 29th April, 1919	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 NWly. winds backing towards W. Fair or cloudy, some showers. Becoming milder.	Uncertain.
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Moderate or fresh Wly. or SWly. winds. Dull, some showers. Milder.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Light indefinite winds becoming Wly. later. Fair at first, some showers later. Becoming milder.	

Meteorological Office, Exhibition Road, London, S.W. 7. H. G. LYONS, Col., Director. R. G. K. LEMPFERT, C.B.E., Superintendent Forecast Div.

SYNOPTIC CHART FOR MORNING OF Tuesday, 29th April, 1919.



DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 119 B

TUESDAY 29th APRIL

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

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 27th	Rainfall. Day. 9h-17h. 28th	Sunshine. to 17h. 28th	Sunshine. Sunrise to Sunset. 27th
Scotland, N.	Banff	or.o	bc.o	42	34	4	1	0·6	0·5
	St. Andrews	*	*	43	28	4	2	1·8	*
	Montrose	*	*	43	22	11	1	2·8	*
England, N.E.	Harrogate	b.bcp.	bcc.po.	44	27	4	Tr.	6·4	0·0
	Skegness	cp.bc	bc.p	45	35	3	-	7·2	*
England, E.	Felixstowe	cq.bc	bc	46	33	?	*	6·7	4·3
	Walton-on-Naze								
	Southend-on-Sea	os.c.	c.bc.	47	33	21	-	5·2	*
England, S.E.	Margate	oh.r.	bc	44	33	8	-	4·1	*
	Ramsgate	sqy	*	45	32	?	?	5·0	*
	Hastings	o.s	b.bc	46	31	11	4	4·2	3·8
	Eastbourne	os.c.	bc	48	31	8	6	4·1	0·3
	Worthing	bc	bc	46	32	2	-	9·5	3·1
	Bournemouth	*	*	49	32	-	-	11·0	5·5
England, N.W.	Southport	c.bc.c.	c.o	47	33	2	-	5·5	5·4
Midlands.	Buxton	bcs.	bc	44	27	2	-	5·4	*
	Leamington Spa	bc.	bc	48	32	4	-	10·0	*
	Malvern	bc.	bc.	46	31	2	-	3·0	*
	Ross-on-Wye	c.bc	c.c.by	48	33	2	-	8·0	3·9
Wales.	Rhyl	q	c.bc.	45	34	5	Trace	7·0	2·4
	Colwyn Bay	*	*	45	34	4	Trace	3·8	3·0
	Llandudno	oqs.	c.b	45	33	7	1	4·8	3·2
	Aberystwyth	*	*	45	30	-	-	4·0	*
England, S.W.	Weymouth	*	*	51	34	1	Trace	8·0	*
	Torquay	b.bc.bp	b.bcp	47	33	1	2	6·0	*
	Penzance	or.cq	cp.b.rq	46	34	6	4	3·4	4·8
	Newquay	orphq	rh.bq	43	34	4	4	2·1	*
	Weston-s-Mare	bc.	b.bem	49	34	Trace	-	7·5	*

STATIONS.	Summaries for past 24 Hours. Weather 7h-13h.	13h-18h.	18h-1h.	1h-7h.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)	r0	c.pd.0	prs.s1	s1	40	30	*	*	*	*
Eskdalemuir	s1 s1	c.o.prs0	c.bc.b	b.bc.c	40	31	28	10	0·1	3·5
†Stranraer	b.bc.om	b.bcq	*	b.bc.w	51	32	*	*	*	*
†Lough Foyle	bc.c.	*	*	c.oq	45	33	*	*	*	*
Valencia (Cahirciveen)	c.by fy	bcqy	bcq	c.p.c.o	48	40	37	1	-	9·7
†Anglesey (Llangefni)	s1 c	c.oq	c.o.p0	c.oq	44	32	*	*	*	*
Falmouth	q rhc	r.cp hq	phy.bc	bc.c	46	36	32	7	-	3·2
†Calshot (Hants)	c.oq.	c	c.o.p0	cq.	47	38	*	*	*	*
†Capel (Folkestone)	c.o prs	b.bc.ps1	*	c.o p1	42	32	*	*	*	*
Aberdeen	rh1 p0	cpy.bc	*	c.op	44	36	30	3	2	2·1
†East Fortune	p2 o	v p2	c.o	v p2	43	32	*	*	*	*
†Howden	c.or.	p2q	*	p2q	49	36	*	*	*	*
†Felixstowe	q bc.c	bcc.q.	prs.q	bc.c.po	46	34	*	*	*	*
†Cranwell (Lincs)	*	prh2c.o	prh.bc.c	p1 bcc	48	37	*	*	*	*
Benson	zb	bc.b	*	rso	48	33	29	0·2	-	*
London (Kew Obsy.)	o.bc.	bc.b3.	c.or.o	b2.or.c.om	46	36	34	-	0·4	1·5

BEAUFORT NOTATION.

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.
e wet air without rain falling.
f fog. g gloom.
h hail. l lightning.
m mist.
o overcast sky.
p passing showers.
q squalls.
r rain.
rs sleet, *i.e.*, rain and snow together.
s snow.
t thunder.
u ugly, threatening sky.
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.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. 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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.

LONDON. OBSERVATIONS.	Weather. Morning	Afternoon.	Night.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours.	Humidity % 18 h. G.M.T.	9 h. G.M.T.
	24 Hours ended 9h G.M.T. 29th							Yesterday.	To-day.	
Greenwich (Royal Observatory)	c	crs	cr.	48	37	33	1	7·4	66	82
City (Bunhill Row)	*	*	*	*	*	*	*	6·5	*	*
Westminster (St. James's Park)	*	*	*	47	38	35	1	7·0	66	74
" (Admiralty Arch)	mq.bc.	bcmq.	odmq	48	37	*	0·4	6·1	63	88
Camden Sq. (British Rainfall)	bc.	d.bc	*	45	37	34	1	6·0	63	72
Kensington Palace	bc	bc	*	45	37	34	0·7	*	62	60
Richmond Park	*	*	*	*	*	*	*		*	*

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday

Total 1876 Joules

Average Rate 25·8 Milliwatts

Maximum Rate 82 " "

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

29th & 30th APRIL 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4·28	11·50	7·12
	4·26	11·50	7·13
Greenwich	4·39	11·57	7·16
	4·37	11·57	7·17
Wick	4·26	12·39	7·52
	4·23	12·39	7·54
Valencia	5·18	12·38	7·58
	5·16	12·38	7·59

NOTES ON THE WEATHER OF YESTERDAY.

During the past 24 hours weather was fair in all parts of the country with local showers of rain or hail. The total of bright sunshine reached 9.9 hours at Malin Head and 8.8 hours at Yarmouth, while the heaviest amount of precipitation was only 9 mm. (Pembroke and Scilly. The strong Nly. winds moderated during the course of the day, and temperatures remained somewhat higher than yesterday, the minimum falling below 32° at few stations. The maximum, however, nowhere rose above 50°, and reached this figure only at Roche's Point.

† Air Ministry Station

* Information for these columns not usually received.

Printed at the Meteorological Office, South Kensington, London, S.W.7.

METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No 20,978 B ....WEDNESDAY....30th. APRIL.....1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud Form.	Upper Cloud Amt. 0-10.	Sea 0-9.
	13H G.M.T. of ...29th. April													
†Houton B. (Orkney)	1016.3	-5	W	7	40	T f1	98	3	½-1000	st	10	-	-	4
Eskdalemuir ...	1020.3	+1	N	4	44	bc	55	8	-	fr.cu.	1	al.st	4	*
†Stranraer ...	1021.3	0	NNW	5	41	0	92	8	2-3000	st.cu.	9	-	-	-
†Lough Foyle ...	1025.3	-2	WNW	4	43	r, f1	98	5	1½-2000	nb	10	-	-	2
Valencia (Cahire'n) ...	1027.9	0	NNW	4	48	c	65	10	2-3000	cu.	4	al.cu	2	4
†Anglesey (Llangefni)	1021.5	0	N	6	44	c	55	8	2-3000	fr.cu.	6	al.st	2	6
Falmouth ...	1020.9	+2	N	5	47	cq	55	7	-	cu.	4	ci	4	*
†Calshot (Hants) ...	1014.6	0	N'W	6	46	0	75	4	2-3000	nb	9	-	-	6
†Capel (Folkestone)	1010.2	+1	N'E	8	39	T1	92	4	½-1000	st.	10	-	-	5
Aberdeen ...	1019.3	-1	NW	3	43	0	75	7	-	cu.	10	-	-	3
†East Fortune ...														*
†Howden ...	1016.7	+2	N	6	39	0	92	6	2-3000	cu.nb	7	al.st	2	*
†Felixstowe ...	1011.5	+3	N	3	36	0	98	3	2-3000	cu.nb	9	-	-	4
†Cranwell (Lincs)														*
Benson ...	1014.2	+1	N	5	44	c	-	-	-	-	-	-	-	*
London (Kew Ob.)	1013.6	0	N	4	45	c	65	5	-	cu.	6	ci.st	2	*
	1h. G.M.T. of .30th. April													
†Houton B. (Orkney)	1012.0	-2	WNW	6	42	of3	98	0	below 500	st.	10	-	-	4
Eskdalemuir ...	1015.8	-2	NW	4	41	0	92	5	-	st.	10	-	-	*
†Stranraer ...														
†Lough Foyle ...														
Valencia (Cahire'n) ...	1025.2	-2	NNW	4	46	cq	-	-	-	-	-	-	-	-
†Anglesey (Llangefni)	1018.5	-2	NNW	3	44	T1	98	-	1-1500	st.	10	-	-	0
Falmouth ...	1021.0	0	N	4	43	c	82	5	-	st.	7	-	-	*
†Calshot (Hants) ...	1016.4	+1	NW	4	38	b	92	6	-	-	-	-	-	6
†Capel (Folkestone)														
Aberdeen ...	1014.1	-2	WNW	2	43	0	98	4	1½-2000	st.	10	-	-	-
†East Fortune ...														*
†Howden ...														*
†Felixstowe ...														
†Cranwell (Lincs)	1011.1	-1	N	4	39	b	98	-	-	-	-	-	-	6
Benson ...	1014.3	-2	NNW	3	33	b	92	6	2-3000	st	3	-	-	*
London (Kew Ob.)														*
	1014.7	0	NW	2	37	bc	-	-	-	-	-	-	-	*

STATIONS.	Barom. at M.S.L. m.b.	‡ Change in 3 hours.	Wind. Direc.	Wind. Force 0-12.	Temp. °F.	Weather.	% Humidity.	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Low Cloud. Amt. 0-10.	Upper Cloud Form.	Upper Cloud Amt. 0-10.	Sea 0-9.
	18H. G.M.T. of ..29th. April													
†Houton B. (Orkney)	1013.9	-2	WNW	7	43	f3	98	0	below 500	st	10	-	-	?
Eskdalemuir ...	1018.8	-3	NW	4	39	0	82	7	1½-1000	fr.cu	1	al.st	9	*
†Stranraer ...	1018.3	-4?	NW	3	44	0	98	5	½-1000	st	10	-	-	-
†Lough Foyle ...	1022.9	-2	WNW	5	44	om.	98	6	1-1500	st	10	-	-	2
Valencia (Cahire'n) ...	1026.9	-2	NNW	4	47	0	82	10	1½-2000	st	10	-	-	6
†Anglesey (Llangefni)	1020.5	-1	N'E	6	43	0	87	8	1-1500	cu.	1	al.st	9	6
Falmouth ...	1021.0	0	N	5	44	bcq	65	5	-	cu.	2	ci.	3	*
†Calshot (Hants) ...	?	0	N	6	47	0	95	7	4-5000	st.cu.	9	-	-	6
†Capel (Folkestone)	1010.6	0	N'E	8	38	tr2	82	5	1½-2000	st.cu	10	-	-	5
Aberdeen ...	1016.4	-4	WSW	1	43	om	?	2	-	nb	10	-	-	3
†East Fortune ...	1018.2	-3	WSW	2	43	0	82	5	3-4000	nb	2	al.st	7	*
†Howden ...	?	0	N	4	42	0	75	6	2-3000	st.cu	5	ci.	4	*
†Felixstowe ...	1011.9	+1	NE	5	40	0	98	3	2-3000	nb	9	-	-	5
†Cranwell (Lincs)	1015.7	+1	N	6	40	bc	87	7	2-3000	st.cu	2	al.st	2	*
Benson ...	1015.1	+7	NNW	5	44	bc	65	5	-	cu.	5	-	-	*
London (Kew Ob.)	1014.6	+1	N	3	42	b	75	5	-	fr.cu	3	-	-	*
	7h. G.M.T. of 30th. April													
†Houton B. (Orkney)	1011.2	-1	WNW	3	41	of1	98	2	1-1500	st	10	-	-	3
Eskdalemuir ...	1013.9	-1	SE	1	43	0	87	8	1½-2000	st	8	ci	1	*
†Stranraer ...	1014.9	-4	NW	1	47	f1	98	1	1-1500	nb	10	-	-	-
†Lough Foyle ...	1017.0	0	NW	5	41	rcq	98	3	below 500	nb	10	-	-	4
Valencia (Cahire'n) ...	1022.6	-2	NW	3	50	ocq	98	4	below 500	st	10	-	-	3
†Anglesey (Llangefni)	1016.1	-2	NW	3	45	do	98	4	½-1000	st	10	-	-	4
Falmouth ...	1018.7	-2	NNW	2	45	r.0	98	5	-	nb	10	-	-	*
†Calshot (Hants) ...	1015.7	-1	NW	3	40	0	92	8	3-4000	st.	10	-	-	3
†Capel (Folkestone)	1009.2	-0	N'E	7	37	bc	87	5	2-3000	st.	4	ci.cu	1	5
Aberdeen ...	1012.3	-1	WNW	2	47	om	82	6	-	st	10	-	-	2
†East Fortune ...	1013.4	-1	SSW	2	45	0	75	3	3-4000	st.cu	9	-	-	*
†Howden ...	1012.7	-3	NW	3	42	0	92	4	2-3000	st	10	-	-	*
†Felixstowe ...	1010.3	0	N	4	40	b	75	4	3-4000	fr.cu	2	al.cu	1	5
†Cranwell (Lincs)	1013.0	-2	NNW	2	38	om2	92	4	2-3000	st	7	-	-	*
Benson ...	1013.2	-2	-	0	38	c	92	5	-	cu.	7	-	-	*
London (Kew Ob.)	1012.9	-2	NW	2	39	b2	75	4	-	-	-	cu.	1	*

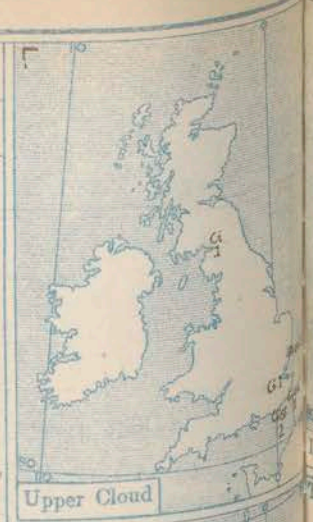
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.

STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	Barometer. at M.S.L. m.b.	Barometer. ‡ Change in 3 hours.	Temperature. Temp. °F.	Temperature. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine Hours.
	18h. G.M.T. of ..29th.....					7h. G.M.T. of ..30th...									24 HOURS ENDED 7h. ..30th...						....29th.
Lerwick	1011.4	45	W	2	omd	1009.3	-1	44	+6	WSW	1	-	om	1	2	45	36	om	omd	om	*
Stornoway ...	1015.6	48	W	2	c	1012.3	-1	45	+6	WSW	1	-	0	1	3	48	38	op	op,c	or,0	0.1
Castlebay (Barra Is)	1019.3	47	WNW	4	0	1014.2	-1	46	+4	WNW	4	w	c	3	2	48	42	or	ro	od,op,c	0.2
Glasgow ...	1018.8	43	SW	3	od	1013.7	-2	45	+10	WSW	1	NW	0	*	1	45	34	oz	odp	d,odp	0.1
Malin Head ...	1021.1	46	NW	4	c	1015.2	-2	47	+7	WSW	4	-	omd	4	3	47	40	om	omr	omd	0.0
Blacksod Point	1024.3	46	NW	4	og	1015.4	-1	47	+8	NW	3	NW	bc	3	2	48	37	ogp	ogmp	og,omr	*
Roche's Point...	1024.9	48	NNW	3	0	1020.2	-3	49	+11	NW	2	-	0	2	1	51	38	bc	bc,c,0	op	*
Birr Castle ...	1017.7	46	WNW	1	c	1018.5	*	49	+9	W	1	-	0	*	2	50	39	c	c	c,or,0	6.0
Donaghadee ...	1020.5	45	NW	4	ompd	1015.0	-1	47	+5	NW	2	-	ogmr	2	1	47	39	bcqz	omq	ompq	*
Liverpool (Bidston)	1018.4	43	NW	4	b	1014.4	-2	44	+3	NW	3	-	0	3	1	46	41	bc,op	bc	or	7.3
Holyhead ...	1020.7	44	N	5	oqg	1015.8	-2	46	+5	NW	4	-	ofe	2	1	47	41	c,bcq	bc,cq	opdfe	5.6
Pembroke (St. Ann's Head)	1021.6	45	N	4	c	1018.1	-2	45	+3	WNW	4	-	0	0	1	48	41	cqr	c,cqr	c,odr	5.7
Scilly (St. Mary's)	1023.2	45	N	5	c	1020.4	-2	46	+5	NNW	5	N	c	5	3	48	40	cqp,c	c	op,c	5.0
Jersey (St. Aubin)	1016.7	47	N	4	c	1016.3	-1	44	+1	WNW	4	-	og	3	-	49	40	og,c,bc	bc,bc,0	bc,og	5.0
Portland Bill ...	1015.7	45	N	5	bcq	1015.2	-1	44	+2	NW	5	-	or	4	0.2	48	38	cqp,0	0,bcq	bc,or	*
Dungeness ...	1010.3	42	N	6	bcq	1009.3	-1	37	-2	NNW	5	N	b	4	2	42	35	cqph,c	qpc	qpc,c	*
Wick	1014.8	46	WNW	2	omr	1011.1	-1	45	+7	WNW	1	-	0	1	2	48	36	omp	ompr	ompg	*
Nairn	1016.0	45	NNW	1	r	1011.8	*	46	+8	NW	1	-	ou	2	3	46	38	cprs,0	pcd	cpg,c	0.0
Leith	1018.2	44	WNW	2	0	1012.9	-1	46	+7	SW	1	-	cm	2	1	45	38	c,0,c	c,od,0	od,omc	*
Tynemouth ...	1013.6	42	NNE	4	cq	1012.9	0	45	+5	NW	1	-	cm	4	-	45	39	cq	cq	cm	*
Spurn Head ...	1014.4	42	N	7	cq	1012.5	-1	42	-1	NNW	5	-	oq	5	2	45	37	cq	cqp	c,oq	0.0
Yarmouth (Gorleston)	1010.7	40	NE	7	0	1009.8	0	41	-2	NE	7	-	bcq	5	2	45	37	bc,oqp	bcqph	bcqp	3.6
Clacton-on-Sea	1011.3	43	NW	5	c	1010.0	-1	39	-1	NW	5	-	b	3	3	40	35	bc,ogp	og,cp	cp,bcp	4.3
Nottingham ...	1016.6	43	N	4	bc	1013.2	*	40	0	SW	1	-	omr	*	1	46	32	cqp	c,bc	bc,p	4.5

† Air Ministry Station. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars.

SUMMARY OF CONDITIONS AT 7 A.M. Wednesday, 30th April, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	NW-NNW. 5-20	Cold	Fine, local mist.	Ord.	Mod.
2. E. England	NW-NE. 15-35	Rather cold	Fair, squalls at Yarmouth	"	Rather rough
3. E. Midlands	NW. 5	"	Overcast, misty.	"	–
4. W. Midlands	Light variable	"	Overcast, mist and rain	Var.	–
5. S.W. England	NNW. 10-20	Mod.	Overcast, rain and fog	Poor	Slight
6. South Wales	W. 15	"	Overcast.	–	Calm
7. North Wales	NW. 10-15	"	Overcast, fog & drizzle	Indiff.	Slight
8. N.W. England	NW. 10	"	Overcast.	–	"
9. N. Midlands	NW. 10	"	"	–	–
10. N.E. England	NNW. up to 20	"	Overcast, squally at Spurn.	Ord.	Mod.
11. E. Scotland	SW-WNW. 2-10	Mild	Overcast, mist & drizzle.	Poor	Smooth
12. S.W. Scotland	Light variable	"	Overcast.	Ex. good	"
13. Isle of Man	"	"	"	–	"
14. N. & N.W. Scotland	"	"	"	–	"
15. Hebrides	WSW-WNW. 2-15	Mod.	Cloudy to overcast.	–	"
16. Orkneys and Shetlands	W. 2-10	"	Overcast, misty.	V. poor	"
17. N.W. Ireland	NW. 10	"	Fair	–	Slight
18. N.E. Ireland	W-NW. 5-15	Mild	Overcast, mist & drizzle.	–	"
19. S.E. Ireland	W. 2	"	Overcast.	–	–
20. S.W. Ireland	NW. 5-10	"	Overcast, local drizzle.	Ord.	Slight



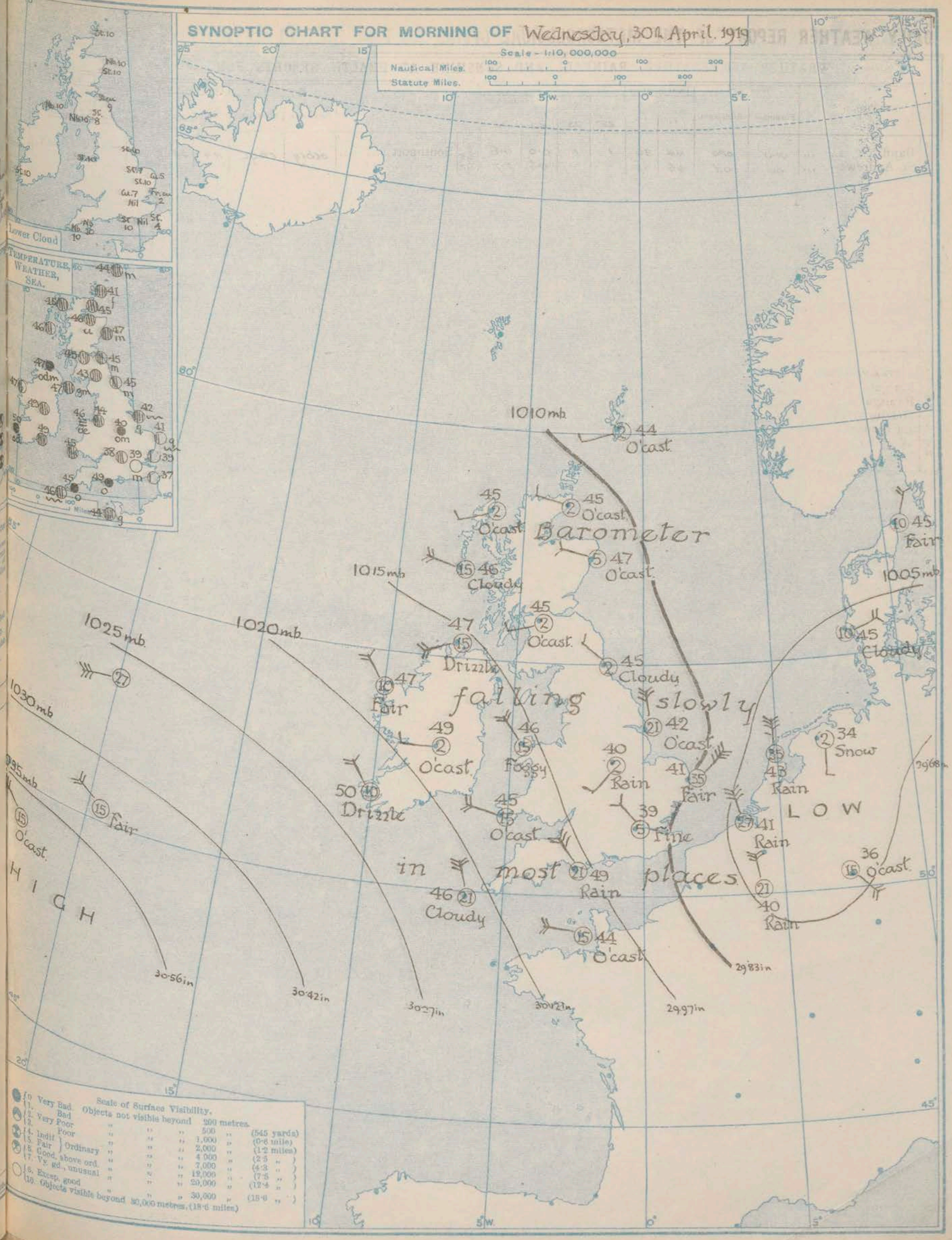
EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS.—clear sky. sky ½ clouded. sky ¾ clouded. overcast sky. rain falling. snow. hail. fog. thunder. thunderstorm.
SEA DISTURBANCE.—Rough. High.

GENERAL INFERENCE from observations received up to 10 a.m.

There is an anticyclone north of the Azores, with a depression north of Iceland, while a depression over Holland has grown deeper. NWly. winds will probably continue over these Islands, with dull weather and some rain and mist.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Wednesday, 30th April, 1919	Further Outlook.
1. S.E. England 2. E. England 3 E. Midlands	Fresh or strong NW. or N. winds. Dull, some rain. Milder.	Uncertain.
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Moderate W. or NW. winds. Dull, some rain, some mist. Milder.	
9. N. Midlands 10. N.E. England	Fresh NWly. winds. Dull, some rain. Milder.	
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	Same as for 5 - 8	

Meteorological Office, Exhibition Road, London, S.W. 7. H. G. LYONS, Col., Director. R. G. K. LEMPFERT, C.B.E., Superintendent Forecast Division.


SYNOPTIC CHART FOR MORNING OF Wednesday, 30th April 1919
Scale - 1:10,000,000
Nautical Miles.
Statute Miles.
Lower Cloud
TEMPERATURE, WEATHER, SEA.
1010mb
1015mb
1020mb
1025mb
1030mb
995mb
Barometer
falling slowly in most places
LOW
HIGH
30·56in
30·42in
30·27in
30·12in
29·97in
29·83in
29·68in
Scale of Surface Visibility.
0. Very Bad
1. Bad
2. Very Poor
3. Poor
4. Indif
5. Fair
6. Good, above ord.
7. V.y. gd., unusual
8. Excep. good
9. Objects not visible beyond 200 metres.
10. Objects visible beyond 30,000 metres. (18·6 miles)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 1205 { WEDNESDAY. 30th APRIL.

WEATHER TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR ... 29th APRIL.

	STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Max. °F.	Temperature. Min. °F.	Rainfall. Night. 17h-9h. 28th.	Rainfall. Day. 9h-17h. 29th.	Sunshine. to 17h. 29th.	Sunshine. Sunrise to Sunset. 28th.
Scotland,	Banff	ono	ono	44	36	1	1	0·0	0·6
	St. Andrews ...	od	od	46	35	–	–	0·6	2·7
	MONTROSE.	–	–	45	35	1	1	0·5	3·9
England, N.E.	Harrogate	obcc	cbsc	43	35	2	0·1	2·5	6·4
	Skegness	bcc	c	47	40	0·1	–	6·7	7·2
England, E.	Felixstowe	bccp	bcqpb	46	34	3	2	3·0	7·4
	Walton-on-Naze...								
	Southend-on-Sea...	cpo	cp	47	37	1	1·2	4·0	6·2
England, S.E.	LITTLEHAMPTON.	bcp	bcpb	48	37	5	3	0·2	*
	Margate	chq	sq	45	35	2	2	3·1	5·4
	Ramsgate	pqr	pqr	45	36	?	?	3·0	6·0
	Hastings	orbcb	orbc	46	32	1	3	3·8	5·0
	Eastbourne... ...	bco	bc	49	37	0·1	–	4·9	5·3
	Worthing	bcc	rcbc	47	38	–	0·1	2·7	10·7
	Bournemouth ...	–	–	50	38	–	–	5·3	11·0
England, N.W.	Southport	ocbcy	cbyc	46	38	–	–	6·5	6·2
Midlands.	Buxton	bc	bcr	42	34	–	2	1·6	5·4
	Leamington Spa...	c	c	47	37	–	–	6·1	11·2
	Malvern	oc	cbc	46	37	–	–	5·0	3·0
	Ross-on-Wye ...	cbco	bcby	50	38	–	–	3·8	8·9
Wales.	Rhyl	cbc	bcc	40	34	–	–	7·3	7·1
	Colwyn Bay ...	–	–	46	39	–	–	4·8	3·8
	Llandudno	c	cbs	48	39	–	–	5·3	4·8
	Aberystwyth ...	cco	obc	45	40	*	*	6·0	*
England, S.W.	Weymouth								
	Torquay	bc	bcb	50	38	0·1	–	8·6	7·0
	Penzance	bcq	bcq	50	40	1	–	8·5	3·9
	Newquay	bq	bq	46	36	–	–	7·2	2·2
	Weston-s-Mare ...	ocbc	bc	49	39	–	–	3·3	8·0

Summaries for past 24 Hours.

STATIONS.	Weather 7h-13h.	Weather 13h-18h.	Weather 18h-1h.	Weather 1h-7h.	Max. Temp. °F.	Min Temp. °F.	Min. on Grass. °F.	Rainfall. Day. 7h-18h	Rainfall. Night. 18h-7h	Sun. Hours.
†Houton Bay (Orkney)...	dz2	·pof1	ef3	ef1	43	32	*	*	*	*
Eskdalemuir	bbc ⊕	coc	o	co	45	34	36	–	2	7·1
†Stranraer	bbcv	oe	*	bbcp0	47	?	*	*	*	*
†Lough Foyle	cq	p1	*	d1	47	39	*	*	*	*
Valencia (Cahirciveen)	co	coc	cq	poc	50	42	44	–	1	0·5
†Anglesey (Llangefni)	cov	co	pr1	efd1	46	36	*	*	*	*
Falmouth	cq	bcq	co	or	49	41	38	–	3	7·0
†Calshot (Hants)	ompl	cop	q	co	48	30	*	*	*	*
†Capel (Folkestone)... ...	coprb	cr5,	*	cod1	43	33	*	*	*	*
Aberdeen	coc	orm	do	om	47	38	37	–	2	2·2
†East Fortune	co	opd0	opd0	opd0	45	37	*	*	*	*
†Howden	prhq	pq	*	poc	47	36	*	*	*	*
†Felixstowe	qprs	prhq	qrh	qprb	45	38	*	*	*	*
†Cranwell (Lincs) ...	*	qprh	bbc	bbcom1	48	32	*	*	*	*
Benson	phq	bbc	*	bbco	48	30	20	1	–	*
London (Kew Obsy.) ...	cop	bbcp	bc	bm	46	34	28	2	1	1·8

BEAUFORT NOTATION.

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.
e wet air without rain falling.
f fog. g gloom.
h hail. l lightning.
m mist.
o overcast sky.
p passing showers.
q squalls.
r rain.
rs sleet, *i.e.*, rain and snow together.
s snow.
t thunder.
u ugly, threatening sky.
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.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity. Statute miles per hour.	Limits of Velocity. 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

Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0 = slight, 2 = heavy. Underlining is used to express continuity.

LONDON. OBSERVATIONS.

	Weather. Morning	Weather. Afternoon.	Weather. Night	Max. Temp. °F.	Min. Temp °F.	Min. on Grass. °F.	Rainfall. mm.	Sunshine to Sunset. Hours.	Humidity % 15 h. G.M.T.	Humidity % 9 h. G.M.T.
	24 Hours ended 9h G.M.T. 30th							Yesterday.	To-day.	
Greenwich (Royal Observatory)	oc	cp	c	48	37	27	Trace	2·7	69	69
City (Bunhill Row)	*	*	*	*	*	*	*	3·5	*	*
Westminster (St. James's Park)	*	*	*	48	35	29	0·8	3·2	76	71
,, (Admiralty Arch)	omq	bczqp	bcm	47	36	*	0·3	2·7	74	67
Camden Sq. (British Rainfall)	obc	cpb bcp	*	49	33	30	1	4·5	77	66
Kensington Palace	bcrp	bc	*	47	34	28	1·9	*	74	84
Richmond Park	*	*	*	*	*	*	*		*	*

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.

Total ....1295..... Joules.

Average Rate. 24·6 Milliwatts.

Maximum Rate. 75 . .

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

30th April & 1st May ..... 1919.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth ...	4·26	11·50	7·13
	4·24	11·50	7·16
Greenwich	4·37	11·57	7·17
	4·34	11·57	7·20
Wick ...	4·23	12·9	7·54
	4·20	12·9	7·58
Valencia ...	5·16	12·38	8·39
	5·13	12·38	8·42

NOTES ON THE WEATHER OF YESTERDAY.

Weather yesterday was dull with mist and slight rain in Scotland, where there was very little sunshine. Ireland and England had cloudy skies with some showers, which in the south-east took the form of sharp hail showers, but the precipitation nowhere exceeded 3 mm. (0. 2 in.) and there were considerable fair intervals, more than 7 hours of bright sunshine being recorded at several stations in Wales and Cornwall. Winds backed to W. or NW. but temperatures remained low, the highest maximum being only 51° (Roches Point), while the minimum fell to 30° at Calshot and Benson.

† Air Ministry Station

* Information for these columns not usually received.

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