

AIR MINISTRY.

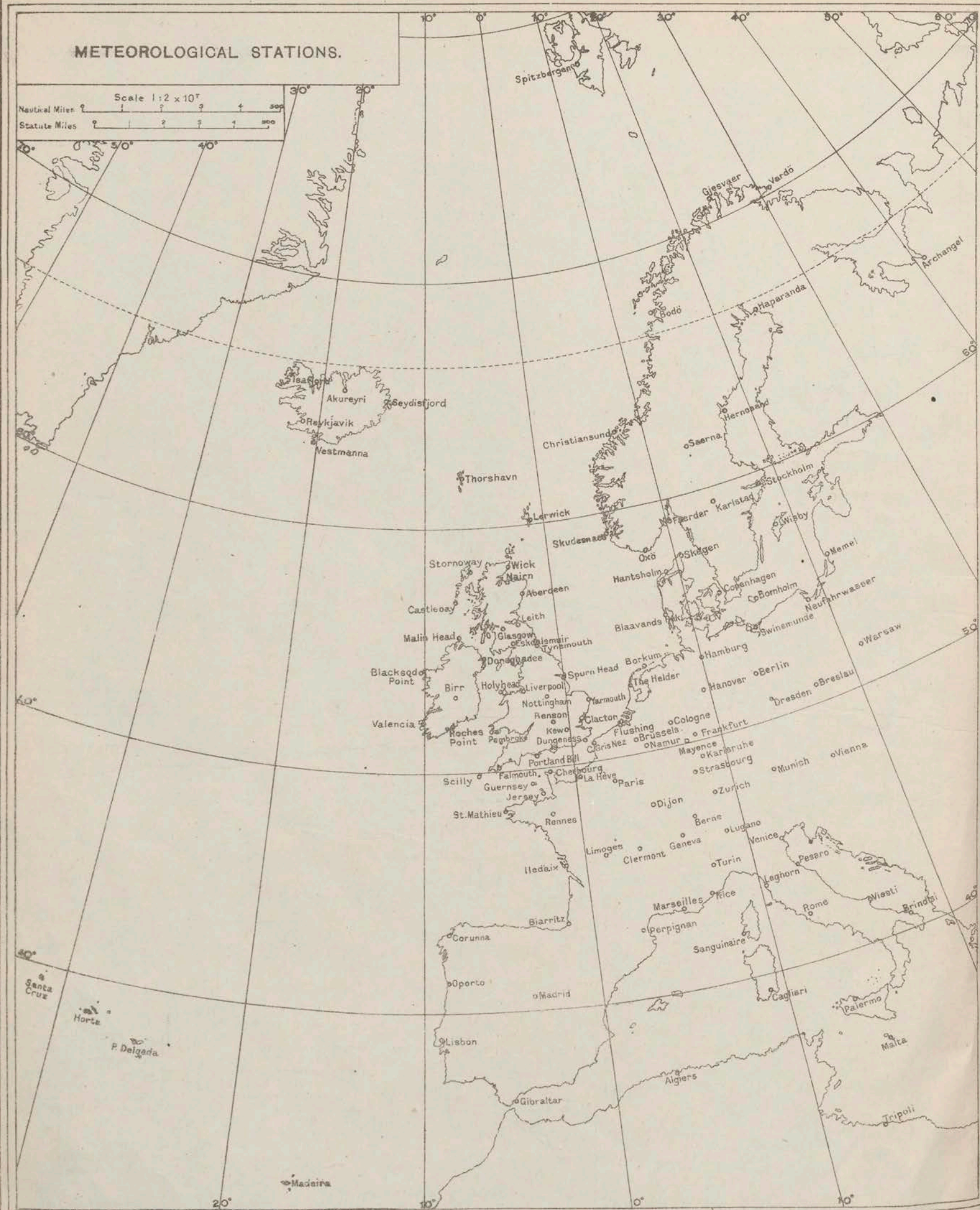
METEOROLOGICAL OFFICE,
LONDON.

DAILY WEATHER REPORTS

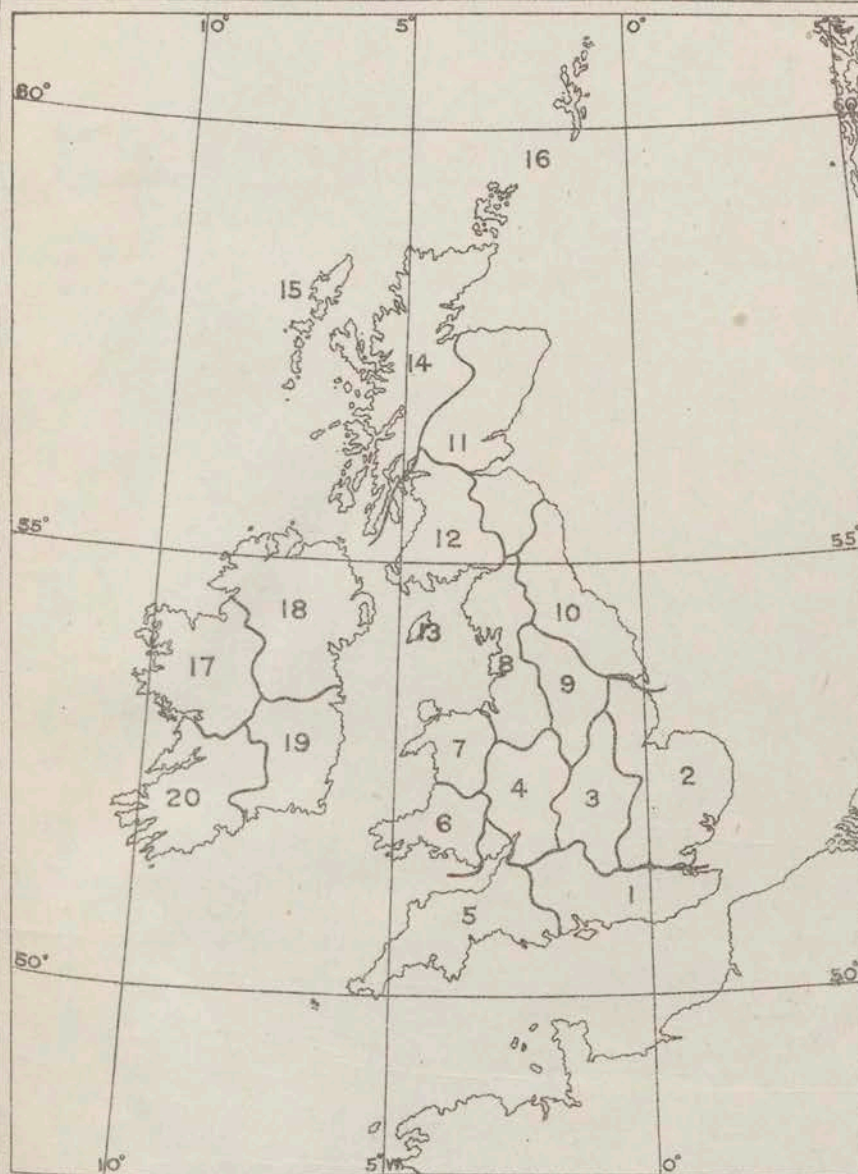
1st OCTOBER TO 31st DECEMBER, 1919.

METEOROLOGICAL STATIONS.

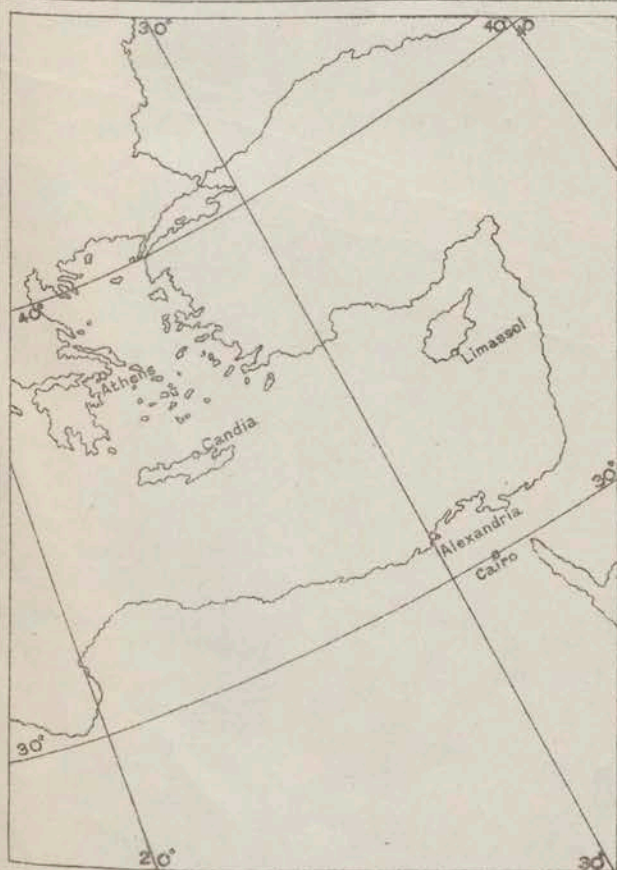
Scale 1:2 x 10⁷
 Nautical Miles 0 1 2 3 4 5 6 7 8 9 10
 Statute Miles 0 1 2 3 4 5 6 7 8 9 10



DISTRICTS.



STATIONS USED FOR UPPER AIR SUPPLEMENT.



TELEGRAPHIC CODE OF SURFACE VISIBILITY.

●	{ 0 Very bad	Objects not visible beyond	200 metres (220 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	" " "	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. i 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 ½ 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 ☄

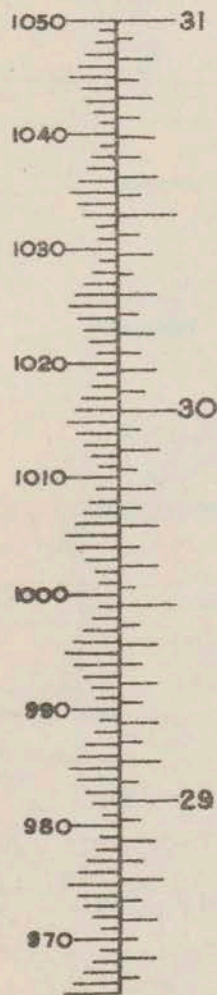
SEA DISTURBANCE.—

Rough ~~~~~ High ~~~~~

AIR MINISTRY. METEOROLOGICAL OFFICE, LONDON.

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

Millibars. Inches.



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

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

DAILY WEATHER REPORT. APPENDIX I.

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

FOURTH QUARTER, OCTOBER TO DECEMBER.

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

	STATIONS.	PRESSURE 1906-1915. 7 a.m. Observations (reduced to M.S. Level).	AIR TEMPERATURE.								RAINFALL 1881-1915.		BRIGHT SUNSHINE. 1881-1915.					
			Means of				Absolute Extremes.											
			1906-1915.		1881-1915.		1881-1915.											
			Dry Bulb 7 a.m.	Daily Maximum.	Daily Minimum.		Maximum.		Minimum.		Days with Rain.	Total Fall.	Daily Mean.	Per Centage of Possible Duration.				
							Temp.	Year.	Temp.	Year.								
			mb.	°F.	°F.	°F.	°F.		°F.			mm.	in.	hr.	%			
OCTOBER.	Lerwick	1011.2	47.3	50.1	42.3	63	1908	28	1887	24	24	100	3.95	—	—			
	Stornoway	1010.0	47.1	52.2	41.2	70	1898	27	1892	23	23	132	5.18	2.77	28			
	Castlebay (Barra Isd.)	[1011.6]§	[50.5]§	[53.6]§	[47.7]§	[61]§	[1908]§	[34]§	[1909, 1913]§	[20]§	[20]§	[86]§	[3.39]§	[2.55]§	[25]§			
	Eskealemuir	[1014.4]¶	[42.4]¶	[51.5]¶	[38.5]¶	[65]¶	[1910]¶	[19]¶	[1911]¶	[15]¶	[15]¶	[100]¶	[3.93]¶	[2.39]¶	[23]¶			
	Malin Head	1009.3	49.3	53.2	45.6	73	1908	32	1892	20	20	75	2.95	—	—			
	Blackod Point	1009.4	51.0	54.7	46.0	71	1908	29	1905	23	23	127	4.90	—	—			
	Valencia	1010.2	51.2	56.4	46.6	71	1908	28	1892	22	22	142	5.57	3.26	31			
	Roche's Point	1011.2	51.0	56.2	46.4	65	1884, 86, 1914, 15	32	1881	19	19	104	4.09	—	—			
	Birr Castle	1010.7	46.8	55.0	40.7	74	1908	22	1905	18	18	74	2.91	3.16	30			
	Donaghadee	1011.3	49.2	54.3	44.3	66	1898	21	1892	18	18	73	2.88	—	—			
	Liverpool (Observatory)	1012.5	47.9	54.1	44.8	73	1908	27	1895	18	83	3.27	[2.81]§	[27]§	[25]§			
	Holyhead	1011.5	51.3	55.1	46.9	75	1908	32	1892	19	101	3.99	[2.87]§	[28]§	[21]§			
	Pembroke (St. Ann's Hd.)	1011.4	51.6	55.6	48.1	67	1908	33	1895	19	105	4.19	3.29	31	—			
	Seilly (St. Mary's)	1011.3	53.2	57.5	50.1	69	1895	38	1895, 1896	21	93	3.66	3.81	36	—			
	Falmouth	1012.5	51.0	56.3	47.7	67	1895	33	1895	21	126	4.96	3.74	35	—			
	Jersey (St. Aubin's)	1013.3	53.4	59.0	49.1	76	1908	33	1887	20	116	4.55	4.06	38	—			
	Portland Bill	1012.2	53.8	56.9	48.8	[67]†	[1908]†	[35]†	[1905, 1908]†	17*	94	3.68	—	—	—			
	Dungeness	1013.2	52.1	57.4	46.0	70	1886, 1908	23	1890	17	89	3.52	—	—	—			
	Dover	[1015.5]§	[50.7]§	[57.5]§	[46.6]§	[74]§	[1908]§	[30]§	[1909]§	[18]§	[18]§	[106]§	[4.18]§	[3.81]§	[36]§	—		
	Wick	1011.0	47.0	52.2	41.0	73	1898	22	1885	21	75	2.96	—	—	—			
	Nairn	1010.9	44.2	53.1	39.0	76	1908	19	1896	19	60	2.35	[3.29]†	[33]†	—			
	Aberdeen	1012.2	46.6	52.8	41.7	74	1883	25	1880	20	76	3.00	3.06	30	—			
	Leith	1011.9	47.7	54.8	42.1	75	1908	25	1894	17	61	2.41	—	—	—			
	Tynemouth	1012.6	47.9	54.1	42.4	77	1908	27	1890, 92, 95, 1909	17	76	3.01	—	—	—			
	Spurn Head	1012.8	50.7	54.6	45.9	70	1900	33	1887, 1895	17	61	2.40	[2.68]§	[26]§	—			
	Yarmouth	1013.6	50.6	55.2	45.3	74	1900, 1908	27	1895	18	74	2.93	[3.35]§	[32]§	—			
	Clacton-on-Sea	1013.7	51.0	55.7	45.7	[71]†	[1908]†	[29]†	[1905]†	14	49	1.91	3.61	35	—			
	Nottingham	1013.3	46.6	55.3	41.7	78	1908	20	1890	19	63	2.49	2.68	26	—			
	LONDON (Kew Obsy.)	1013.9	48.5	56.2	43.5	77	1886	25	1881, 1895	17	69	2.70	2.97	28	—			
NOVEMBER.	Lerwick	1005.3	42.3	46.2	38.9	58	1901	24	1912	25	25	108	4.25	—	—			
	Stornoway	1007.2	42.1	47.6	38.0	58	1897, 1901, 02	21	1912	21	24	148	5.83	1.43	19			
	Castlebay (Barra Isd.)	[1007.8]§	[45.4]§	[48.5]§	[41.6]§	[56]§	[1914]§	[28]§	[1912]§	[24]§	[24]§	[101]§	[3.96]§	[1.57]§	[20]§			
	Eskealemuir	[1009.4]¶	[37.6]¶	[43.2]¶	[32.4]¶	[54]¶	[1914]¶	[6]¶	[1912]¶	[20]¶	[20]¶	[154]¶	[6.05]¶	2.03	[25]¶			
	Malin Head	1008.4	44.6	48.6	41.7	59	[1894, 99, 1906]¶	[30]¶	[1909, 1912]¶	[21]¶	[21]¶	[83]¶	[3.28]¶	—	—			
	Blackod Point	1010.3	46.1	50.2	42.0	60	[1897, 1899]¶	[26]¶	[1890]¶	[24]¶	[24]¶	[132]¶	[5.21]¶	—	—			
	Valencia	1012.4	46.3	52.0	42.9	63	1881	27	1890, 96, 1901	23	23	139	5.46	2.17	25			
	Roche's Point	1013.0	45.5	51.4	42.5	61	1908, 1909	27	1890	19	107	4.20	—	—	—			
	Birr Castle	1011.8	40.6	49.3	36.8	64	1912	17	1909	19	75	3.10	2.13	25	—			
	Donaghadee	1010.4	43.7	49.4	40.1	60	1894, 1909	27	1883	19	77	3.04	—	—	—			
	Liverpool (Observatory)	1011.6	42.5	48.5	40.2	61	1894, 95, 99	25	1901, 05, 15	18	64	2.50	[2.27]§	[27]§	—			
	Holyhead	1011.3	46.3	50.2	42.9	62	1881	29	1915	19	105	4.14	[2.50]§	[30]§	—			
	Pembroke (St. Ann's Hd.)	1012.2	46.7	51.1	43.9	60	1911	28	1890	20	97	3.80	2.17	25	—			
	Seilly (St. Mary's)	1013.2	48.7	53.2	46.3	61	1898	29	1890	20	83	3.27	2.50	28	—			
	Falmouth	1013.9	45.1	51.6	43.9	60	1895, 1897	23	1890	20	122	4.80	2.53	20	—			
	Jersey (St. Aubin's)	1014.2	47.9	53.0	44.3	66	1899	16	1890	21	104	4.08	2.53	28	—			
	Portland Bill	1012.7	47.7	53.0	44.3	[61]†	[1900]†	[29]†	[1912]†	14	66	2.58	—	—	—			
	Dungeness	1012.2	44.4	50.7	40.7	63	1899	17	1890	16	70	2.75	—	—	—			
	Dover	[1012.9]§	[42.4]§	[48.9]§	[38.6]§	[60]§	[1914]§	[25]§	[1911]§	[16]§	[16]§	[78]§	[3.07]§	[2.90]§	[33]§	—		
	Wick	1006.6	41.5	46.9	37.0	62	1900	12	1909	20	80	3.14	—	—	—			
	Nairn	1007.5	39.8	46.9	35.4	62	1906	12	1904	19	60	2.36	[1.70]†	[22]†	—			
	Aberdeen	1008.3	40.7	46.8	37.4	62	1889	14	1909	19	75	2.05	1.83	23	—			
	Leith	1009.0	42.0	48.5	38.0	62	1885	18	1885	15	50	1.95	—	—	—			
	Tynemouth	1009.9	41.8	48.4	38.1	62	1894	20	1912	16	54	2.13	—	—	—			
	Spurn Head	1010.4	43.8	48.2	40.8	61	1894, 1895	28	1884	16	47	1.85	[1.90]§	[23]§	—			
	Yarmouth	1011.6	43.3	48.5	39.6	60	1895, 98, 99, 1904	23	1890	18	61	2.41	[2.33]§	[27]§	—			
	Clacton-on-Sea	1012.4	43.0	48.5	39.7	[60]†	[1908]†	[25]†	1904	15	47	1.86	2.33	27	—			
	Nottingham	1011.9	40.7	48.4	37.1	63	1895	13	1904	19	48	1.88	1.37	16	—			
	LONDON (Kew Obsy.)	1013.2	41.9	49.1	38.8	52	1881, 94, 95	21	1901	16	56	2.22	1.73	20	—			
DECEMBER.	Lerwick	1000.9	40.4	43.6	36.6	53	1890, 1905	19	1909	27	27	122	4.79	—	—			
	Stornoway	1000.9	40.3	44.4	35.4	55	1898, 1913	16	1912	26	26	159	6.25	0.74	12			
	Castlebay (Barra Isd.)	[1000.5]§	[44.1]§	[46.9]§	[40.1]§	[54]§	[1912]§	[26]§	[1912]§	[26]§	[26]§	[146]§	[5.74]§	[0.77]§	[12]§			



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

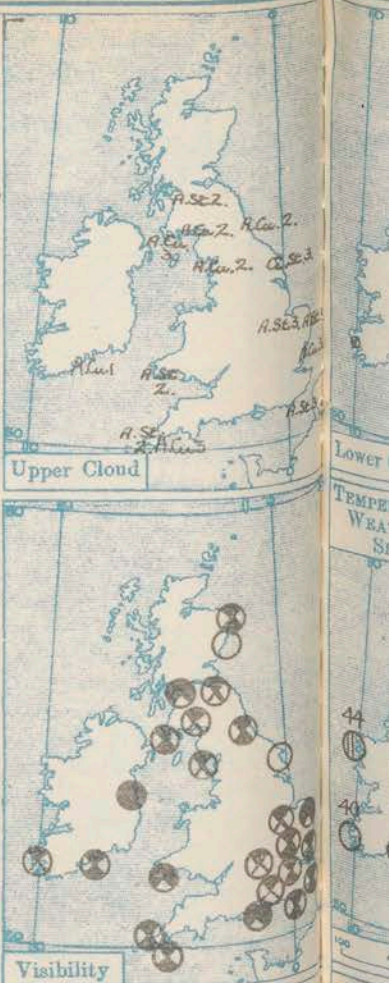
No. 1,163, B. SATURDAY, 1ST NOVEMBER, 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 12H.																									
STATIONS.	Barom. at M.S.L. m.b.	Change in 3 hours.	WIND. Direc. Force 0-12.	Weather.	TEMP. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Upper Cloud. Form.	Sea 0-9.	Barom. at M.S.L. m.b.	Change in 3 hours.	WIND. Direc. Force 0-12.	Weather.	TEMP. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Upper Cloud. Form.	Sea 0-9.			
	12H. G.M.T. OF 31 ST	12H. G.M.T. OF 31 ST																							
Houton B. (Orkney)	1032.9	+1	NNE 4	o	42	87	7	12-2000	Nb	8 A Cu	1 *	1033.2	0	N 3	o	39	87	6	-	st Cu	9	-	-	*	
Eskdalemuir ...	1033.5	+2	SNE 2	c	47	88	8	12-2000	Sc	6 A Cu	1 *	1033.6	0	NE 1	bc	40	92	3	12-2000	st	6	-	-	*	
Stranraer ...	1031.2	+1	NE 3	b	50	65	8	2-2000	Cu	1	-	1032.2	+2	ENE 2	b	43	75	8	2-3000	Cu	1	-	-	2	
Lough Foyle ...	1030.3	-1	ENE 3	bc	46	75	7	3-4000	St Cu	3 Cl Cu	1	1031.8	+1	NE 2	c	43	75	7	12-2000	st Cu	7	-	-	4	
Valencia (Cahire'n)	1026.0	0	NNE 4	bc	50	65	7	-	Cl Nb	6	-	1027.3	+2	NNE 2	cm	44	75	3	-	st Cu	8	-	-	*	
Anglesey (Llangefni)	1024.2	+2	NE 3	o	48	87	6	12-2000	Sc	10	-	1026.0	+3	NE 5	o	46	75	5	2-3000	Cu	10	-	-	?	
Falmouth ...	1023.3	+2	ENE 5	o	44	75	5	1-1500	Nb	10	-	1024.7	+2	NNE 5	oa	41	92	8	1-1500	Nb	10	-	-	4	
Caishot (Hants) ...	1034.0	0	N 3	o	46	65	8	-	St Cu	7	-	1033.9	0	NNW 3	c	44	75	7	-	st Cu	7	-	-	3	
Capel (Folkestone)	1033.8	+1	NNE 4	c	45	82	6	4-5000	St Cu	8	-	1033.8	0	NNE 3	c	43	82	5	2-3000	st Cu	5	A St	3	*	
Aberdeen ...	1028.6	+2	SNE 6	r	45	75	6	1-1500	Nb	7 A St	3	1029.4	+4	NE 4	o	43	75	7	2-3000	st	5	A St	4	*	
East Fortune ...	1024.7	+3	NNE 4	r	45	92	4	1-1500	Nb	9	-	1026.5	+2	N 3	o	42	92	-	12-2000	st	9	-	-	5	
Falmorough Head	1027.8	+1	NNE 4	c	46	87	8	12-2000	St Cu	5 A St	3	1029.0	+3	N 2	o	40	?	6	2-3000	st	6	A St	3	*	
Felixstowe ...	1025.5	+1	NE 4	bc	46	75	6	4-5000	St Cu	10	-	1027.6	+1	NNE 3	c	40	87	5	3-4000	st Cu	7	-	-	*	
Cranwell (Lincs)	1025.2	+1	NNE 3	o	45	82	5	-	-	-	-	1026.7	+3	NNE 3	o	43	82	7	-	st Cu	10	-	-	*	
Bedford ...	1024.5	+2	NE 4	c	47	75	5	3-4000	St Cu	6 A Cu	2	1026.2	+2	NE 4	om	44	75	5	2-3000	st Cu	10	-	-	*	
Benson ...	1024.5	+2	NE 4	c	47	75	5	3-4000	St Cu	6 A Cu	2	1026.2	+2	NE 4	om	44	75	5	2-3000	st Cu	10	-	-	*	
London (Kew Obs.)	1024.5	+2	NE 4	c	47	75	5	3-4000	St Cu	6 A Cu	2	1026.2	+2	NE 4	om	44	75	5	2-3000	st Cu	10	-	-	*	
1H. G.M.T. OF 1 ST												7H. G.M.T. OF 1 ST													
Houton B. (Orkney)	1033.4	0	NNE 3	o	38	87	6	-	St Cu	10	-	1035.4	+1	NNE 2	c	34	82	7	2-3000	St Cu	6	A Cu	2	*	
Eskdalemuir ...	1033.4	0	NNE 3	o	38	87	6	-	St Cu	10	-	1035.4	+1	NNE 2	c	34	82	7	2-3000	St Cu	6	A Cu	2	*	
Stranraer ...	1033.3	0	SNE 2	bc	39	88	8	-	-	-	-	1032.6	0	ENE 3	b	40	82	7	-	-	-	-	-	2	
Lough Foyle ...	1022.2	+1	NE 1	c	43	82	-	3-4000	St Cu	7	Ac	1	1028.2	+1	NE 3	cx	37	87	5	-	St	4	A Cu	3	*
Valencia (Cahire'n)	1028.6	0	NE 4	b	42	82	6	-	St Cu	2	-	1028.2	+1	NE 3	cx	37	87	5	-	St	4	A Cu	3	*	
Anglesey (Llangefni)	1027.6	+1	NNE 2	o	41	82	8	12-2000	St	10	-	1027.6	0	NE 3	b	35	92	2	-	-	-	-	-	4	
Falmouth ...	1025.7	0	ENE 2	o	37	98	7	12-2000	St	10	-	1025.7	+1	NNW 4	d	35	98	5	1-1500	Nb	10	-	-	2	
Caishot (Hants) ...	1034.2	+1	-	o	40	98	4	12-2000	Nb	10	-	1035.6	+1	NNW 2	bc	41	98	8	-	Nb	10	-	-	3	
Capel (Folkestone)	1029.8	+1	E 1	b	41	87	-	2-3000	St	2	-	1035.2	+2	-	o	40	92	7	12-2000	St Cu	8	-	-	*	
Aberdeen ...	1026.7	-0	N 2	r	37	98	5	4-5000	Nb	3	-	1030.7	+2	NE 6	bc	39	82	8	1-1500	Nb	4	Cl St	3	*	
East Fortune ...	1031.1	0	N 2	r	37	92	5	2-3000	Nb	4	St	3	1027.2	+1	N 2	cm	34	98	4	4-5000	Nb	4	A Cu	3	4
Falmorough Head	1028.3	0	N 2	d	36	92	3	12-2000	St	10	-	1029.4	0	N 2	r	34	98	6	2-3000	Nb	4	A St	3	*	
Felixstowe ...	1027.4	0	-	o	31	98	4	-	St	8	-	1027.4	0	-	o	31	98	4	-	St	8	-	-	*	
Cranwell (Lincs)	1027.3	0	N 1	b	35	92	5	12-2000	St Cu	3	-	1027.3	0	N 1	b	35	92	5	12-2000	St Cu	3	-	-	*	
Bedford ...	1027.0	0	NNE 3	b	39	88	8	-	-	-	-	1027.0	0	NNE 3	b	39	88	8	-	-	-	-	-	*	
Benson ...	1027.0	0	NNE 3	b	39	88	8	-	-	-	-	1027.0	0	NNE 3	b	39	88	8	-	-	-	-	-	*	
London (Kew Obs.)	1027.0	0	NNE 3	b	39	88	8	-	-	-	-	1027.0	0	NNE 3	b	39	88	8	-	-	-	-	-	*	
STATIONS CONTRIBUTING REPORTS AT 7H AND 12H.																									
STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	WIND. Direc. Force 0-12.	Weather.	Barometer. at M.S.L. m.b.	Change in 3 hours.	TEMPERATURE. °F.	Change in 24 hours.	WIND. Direc. Force 0-12.	Dirac. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	TEMP. Max. °F.	Min. °F.	WEATHER. Morning.	Afternoon.	Night.	Sunshine Hours.						
12H. G.M.T. OF 31 ST												7H. G.M.T. OF 1 ST													
Lerwick ...	1036.6	43	NNE 5	om	1037.0	0	38	-6	WNW 3	-	bc m	1	0.4	46	30	o	om r	om	*						
Stornoway ...	1037.9	41	NE 2	bc	1038.5	0	40	-4	NE 3	-	bc	2	2	47	39	bc	bc	bc	2.0						
Castlebay (Barra's)	1035.6	45	NE 3	b	1037.2	0	45	0	N 2	-	b	2	-	47	44	bc b	b	b	5.6						
Glasgow ...	1034.5	42	ENE 2	c	1035.5	+1	39	-1	ENE 1	NE	c	7	-	47	37	c bc cu	c	c b bc c	4.9						
Main Head ...	1033.7	45	NE 2	bc	1033.9	0	45	0	E 1	E	bc	1	-	50	43	c	bc	bc	3.2						
Blacksod Point	1034.3	46	E 2	bc	1033.9	0	44	+1	ESE 1	-	bc	1	-	49	35	bc	bc	bc	*						
Roche's Point...	1031.6	44	NE 2	bc	1032.9	0	38	-4	N 1	-	b	1	0.1	51	37	o bc c	cp bc	b	*						
Birr Castle ...	1033.0	45	NE 1	c	1034.0	0	27	-10	N 1	-	m	*	-	50	27	c	c	cfx	5.6						
Donaghadee ...	1024.1	48	E 3	bc	1034.2	0	45	0	ESE 4	-	bc y	3	-	48	44	bc	bc	bc m	*						
Liverpool (Bidston)	1030.9	42	NE 2	o	1031.9	+2	37	+2	NE 3	NE	b	2	-	47	36	bc	o	c c b	3.9						
Holyhead ...	1031.1	47	ENE 5	c	1031.9	+2	43	-3	ENE 4	E	c	3	1	48	42	op c	c	op	2.2						
Pembroke (St. Ann's Head)	1029.7	44	NE 1	c	1030.3	0	41	-2	NNE 1	N	c	2	-	49	38	c	c	b bc	4.8						
Scilly (St. Mary's)	1027.6	46	E 2	cp	1028.4	0	46	0	E 3	NE	c	4	1	52	49	bc	cp	om op	6.4						
Jersey (St. Aubin)	1023.1	46	NE 4	op	1024.8	0	43	+1	NE 4	NE	bd	3	2	48	41	omd po	o c o	pop bc	0.0						
Portland Bill ...	1024.6	47	NNE 5	op	1026.6	+1	38	-7	NNE 5	N	bc	4	-	49	36	c b	o	bc	*						
Dungeness ...	1023.3	46	NE 4	cp	1024.9	0	39	-3	NE 3	NE	c	2	9	47	36	cp c	cp c	cp bc	*						
Wick ...	1035.2	45	N 3	cm	1028.0	0	43	-1	NNE 3	-	c	4	4	45	40	om c mp	om p	op om r	*						
Nairn ...	1036.2	44	NE 1	c	1036.9	0	43	0	NE 3	-	c	3	11	45	41	bc cp g	cp	cp g	0.0						
Leith ...	1032.9	44	NE 2	bc	1034.6	0	42	0	NE 2	-	o	3	1	46	40	o c	c bc	bc o r o	*						
Tynemouth ...	1038.7	45	NE 3	bc p	1032.6	+2	47	+3	NE 3	-	c	3	5	47	41	bc	bc b	om p m	*						
Spurn Head ...	1028.8	45	NE 4	cp	1028.8	0	42	-4	ENE 5	-	cp	5	4	48	37	cp p	cp	cp	*						
Yarmouth (Gorleston)	1025.5	44	ENE 5	c	1026.2	+2	41	-4	SE 3	-	cp	4	1	47	33	bc p	cp	bc bc	1.5						
Clacton-on-Sea	1025.7	43	NNE 3	c	1026.6	+2	30	-8	N 2	-	cu	2	3	46	25	cp	cp	cp	0.5						
Nettingham ...	1029.3	41	NE 3	c	1029.6	0	37	-4	N 3	N	cp	3	3	46	36	c bc	c bc	bc c	2.3						

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

SUMMARY OF CONDITIONS AT 7 A.M. Saturday, 1st November, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	NNE. 5-10	Cold	Fair to cloudy, local drizzle.	Ord.	Slight
2. E. England	N-E. 2-10	"	Cloudy, local showers & mist.	"	"
3. E. Midlands	N. 5-10	"	Cloudy, dull local showers.	"	"
4. W. Midlands	N-NE. 5-10	"	Fair to cloudy, local mist.	Poor	"
5. S.W. England	NE-E. 10-15	"	Fair to cloudy.	Ord.	Mod.
6. South Wales	N-NE. 0-2	R.cold	Fair to cloudy.	Poor	Smooth
7. North Wales	NE. 10-15	"	Fair to cloudy.	Ord.	Slight
8. N.W. England	N-NE. 5-10	"	Fair.	Good	Smooth
9. N. Midlands	N-NE. 5-10	"	Fair to cloudy.	Good	"
10. N.E. England	NE-E. 10-20	"	Cloudy, local showery squalls.	"	Mod.
11. E. Scotland	NNE. 5-10	Moderate	Cloudy to dull, local rain.	Good	Slight
12. S.W. Scotland	NE. 2-5	R.cold	Fair to cloudy.	Ord.	Smooth
13. Isle of Man	NE-E. 5-10	Moderate	Fair.	Good	Slight
14. N. & N.W. Scotland	N-NE. 5-10	"	Fair to cloudy.	"	"
15. Hebrides	N-NE. 5-10	"	Fair to fine.	Ord.	Smooth
16. Orkneys and Shetlands	NW-N. 10-15	R.cold	Fair to cloudy, local mist.	"	Calm
17. N.W. Ireland	E-SE. 0-5	Moderate	Fair	"	Calm
18. N.E. Ireland	E-SE. 10-15	"	Fair, local squalls.	Good	Slight
19. S.E. Ireland	N-NE. 2-5	Cold	Fair, dull, local rain & fog.	Poor	Smooth
20. S.W. Ireland	N-NE. 5-10	"	Fair to fine.	Ord.	"



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

The extensive anticyclone between Scotland and Iceland is nearly stationary. The NEly. type of weather will continue, with much cloud and occasional showers in the eastern districts but fairer conditions in the west.

EXPLANATION.
SAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by arrow 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 & clouded.
 ⊙ sky & clouded. ⊙ sky & clouded.
 ⊕ overcast sky. ⊕ rain falling.
 * snow. △ hail. ≡ fog. ≡ mist.
 T thunder. T thunderstorm.
SEA DISTURBANCE.— Rough High

Districts.	Forecasts for the 24 hours commencing 3 p.m. Saturday, 1st November, 1919	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Moderate NEly. to Ely. winds. Cloudy, occasional showers locally. Cold.	Similar conditions are likely to hold beyond the period of the forecasts
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Light or moderate NEly. to Ely. breezes. Fair or cloudy. Rather cold.	
9. N. Midlands 10. N.E. England 11. E. Scotland	Light or moderate Nly. to Ely. breezes. Cloudy, occasional showers locally. Rather cold.	
12. S.W. Scotland 13. Isle of Man	Same as for Districts 4-8	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Light or moderate Nly. to Ely. breezes. Fair or cloudy. Rather cold.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Same as for Nos. 4-8	

SYNOPTIC CHART FOR MORNING OF SATURDAY, 1ST Nov.^R 1919.

Scale - 1:10,000,000
Nautical Miles
Statute Miles

H I G H

Barometric

L O W

1040 mb.

1035 mb.

1030 mb.

1025 mb.

slight

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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 305 B

Saturday
1st November

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

STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 12h-3h. 30th	Day. 9h-12h. 31st	Sunrise to Sun- set. 4th			Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 12h-3h. 30th	Day. 9h-12h. 31st	Sunrise to Sun- set. 4th	
Scotland.	Oban	bc.	b	49	32.	-	-	0.0	England, N.W.	Douglas (I.O.M.)								
	Banff	o.c.	c.bc	47	42	0.2	-	0.4		Blackpool	c.	bc	50	37	1	-	0.0	
	Montrose	bc	bc.c	47	40	5	-	2.3		Southport	b.bc.b	b.bc.c	48	38	1	-	5.8	
	St. Andrews	c	c	47	42	2	-	0.4										
England, N.E.	Harrogate	o.c.bc.b	bc.b.bc	45	38	1	-	5.5	Midlands.	Buxton	bc.c	bc.b	42	38	2	0.2	0.7	
	Skegness	o	o	47	44	3	1	1.8		Leamington Spa	p	p	47	39	1	0.4	0.4	
	Scarborough Head	bc	bc	46	46	2	0.2	1.9		Ross-on-Wye	bc.c.m.	c.m.	46	35	1	-	0.0	
England, E.	Felixstowe	bc.c.p.	c.p.	47	40	2	1	2.0	Wales.	Rhyl	c.bc	bc	49	43	-	-	3.8	
	Walton-on-Naze	o	o	46	39	2	1	0.3		Colwyn Bay	bc	bc	48	44	-	-	3.8	
	Southend-on-Sea	o	o	46	39	2	1	0.3		Llandudno	bc	bc	48	44	-	-	0.0	
										Aberystwyth	o.c.o	c.o	47	39	1	1.5	0.2	
England, S.E.	Margate	c.p.	c.p.	47	43	7	1	0.8	England, S.W.	Weymouth	bc.	c.o	50	37	-	-	3.3	
	Ramsgate	bc	bc	47	41	10	0.4	0.9		Teignmouth	bc	bc.c	51	39	-	-	4.0	
	Folkestone	bc.c.p.	p.o	47	41	1	0.1	1.0		Torquay	bc	bc.c	50	38	-	-	4.2	
	Hastings	bc.c	bc.c	47	38	3	1	1.0		Paignton	bc	bc.c	50	38	-	-	6.5	
	Eastbourne	bc	bc	48	39	1	0.2	0.4		Penzance	bc.b	b.bc.c	52	37	-	-	4.5	
	Brighton	bc	bc	47	39	-	0.1	0.0		Newquay	bc	b.bc.c	49	36	-	-	3.9	
	Worthing	bc	bc	48	44	-	0.1	0.1		Bude	bc.c	c.o.bc.c	49	38	-	-	1.0	
	Littlehampton	bc	bc	48	35	-	-	2.2		Ilfracombe	bc.c	c.o	49	45	-	-	0.2	
	Bournemouth	bc	bc	48	35	-	-	2.2		Weston-s-Mare	c.bc	c	49	36	0.1	-		
	Tenby Wells	bc	bc	47	37	1	0.3	0.1										

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.				Max. Temp. °F.	Min. Temp. °F.	Min. on Grass °F.	RAINFALL.		Sun. Hours.
	7h-13h.	13h-18h.	18h-24h.	24h-7h.				Day. 7h-18h.	Night. 18h-7h.	
†Houton Bay (Orkney)...	o.c.o.p.o	c.p.o	o.c.p.bc.b.o.p.o	o.c	43	31	26	2	2	1.3
†Eskdalemuir ...	v.bc.c	om	bc.b.c	b.bc.c	48	30	26	2	2	1.3
†Stranraer ...	bc	bc	bc	bc	50	33	30	-	-	8.4
†Lough Foyle ...	bc	bc	bc	bc	50	33	30	-	-	8.4
Valencia (Cahirciveen) ...	bc	bc	bc	bc	50	33	30	-	-	8.4
†Anglesey (Llangefni) ...	bc.c.b.c	b.bc	b.bc.c.o	b.bc.c	50	30	27	-	-	5.2
Falmouth ...	bc	bc	bc	bc	50	30	27	-	-	5.2
†Calshot (Hants) ...	om	o	b.o	b.o	49	32	27	-	-	5.2
†Capel (Folkestone) ...	c.p.	c.p.	c.p.	c.p.	46	35	27	-	-	5.2
Aberdeen ...	bc.c.o	bc.c.o	bc.c.o	bc.c.o	46	37	33	-	1	1.5
†East Fortune ...	bc	bc	bc	bc	45	38	33	-	1	1.5
†Framborough Head ...	bc	bc	bc	bc	46	38	33	-	1	1.5
†Felixstowe ...	bc	bc	bc	bc	48	33	33	-	1	1.5
†Cranwell (Lincs) ...	bc	bc	bc	bc	47	32	32	-	1	1.5
†Bedford ...	bc	bc	bc	bc	47	32	32	-	1	1.5
Benson ...	bc	bc	bc	bc	46	29	20	0.2	-	0.3
London (Kew Obs.) ...	bc	bc	bc	bc	48	35	25	-	-	0.3

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.	Meters per second.
0	Less than 1	Less than 0.3
1	1-3	0.3-1.5
2	4-7	1.6-3.8
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, 1=moderate, 2=heavy. Underlining is used to express continuity.

SYMBOLS—

Aurora ☄ Solar halo ☉
Rime ❄ Lunar halo ☾
Glazed frost ❄ Solar corona ☉
Glazed roads ☄ Lunar corona ☾

LONDON OBSERVATIONS.

	Morning	Afternoon	Night	1 st	2 nd	3 rd	mm.	Hours.	G.M.T.	G.M.T.
	24 HOURS ENDED 9H G.M.T. 1 st							YESTERDAY.	TO-DAY.	
Greenwich (Royal Observatory)	o	op	o.b.c.o	49	34	26	-	0.3	72	87
City (Bunhill Row)	*	*	*	*	*	*	*	0.0	73	83
Westminster (St. James's Park)	*	*	*	49	36	30	-	0.0	73	83
„ (Admiralty Arch)	bc.m.c.m.p	o.c.bc	bc.b.m.c.m	50	36	*	-	0.0	73	81
Camden Sq. (British Rainfall)	c	c.o	*	49	34	28	-	0.1	72	92
Kensington Palace	o	op	*	48	34	29	-	*	78	87

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	20.4
Total ... Joules.	20.4
Milliwatts.	20.4
Average Rate.	5.8
Maximum Rate.	19

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

Stations.	1 st 2 nd 3 rd November 1919.		
	Sunrise.	Noon.	Sunset.
Yarmouth...	6.50	11.37	4.24
Greenwich	6.55	11.37	4.22
Wick	6.57	11.44	4.31
Valencia ...	7.30	11.56	4.22
	7.32	11.56	4.20
	7.37	12.25	5.13
	7.39	12.25	5.11

NOTES ON THE WEATHER OF YESTERDAY.

The weather was fair or fine in the western districts with a varying amount of sunshine. As much as 8.4 hours were recorded at Valencia and 6.5 hours at Penzance. In the eastern districts the day was cloudy or dull with showers and little or no sunshine. As much as 11 mm. of rain fell at Nairn and 8 mm. at Dungeness. At night the temperature fell below 32°F. at a few inland stations. The grass thermometer fell to 20°F. at Benson.



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

No 24164.B SUNDAY, 2ND NOVEMBER 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1st, 7th, 13th AND 19th.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1st, 7th, 13th AND 19th.																															
STATIONS	BAROM. at M.S.L. m.b.	Change in 3 hours.	WIND.		Weather	TEMP. °F.	Humidity %	Visibility 0-10 Feet.	Height of Low Cloud		Low Cloud		Upper Cloud		Sea	BAROM. at M.S.L. m.b.	Change in 3 hours.	WIND.		Weather	TEMP. °F.	Humidity %	Visibility 0-10 Feet.	Height of Low Cloud		Low Cloud		Upper Cloud		Sea	
			Dir.	Force 0-12.					Form.	Amt. 0-10.	Form.	Amt. 0-10.	0-9.	Dir.				Force 0-12.	Form.					Amt. 0-10.	Form.	Amt. 0-10.	0-9.				
13th. G.M.T. 1st															19th. G.M.T. OF 1st																
Houton B. (Orkney)	1025.2	0	NE	3	OT.	41	82	8	2-3000	ST.	9	-	-	-	*	1026.0	+1	ENE	2	b	32	87	7	-	-	-	-	-	-	*	
Esksdalemuir	1025.0	-1	-	0	C	46	92	8	2-3000	ST.	8	-	-	-	*	1025.6	+1	-	0	bc	39	98	2	2-3000	ST.	3	A-ST	-	-	-	*
Stranraer	1025.0	-1	-	0	C	46	92	8	2-3000	ST.	8	-	-	-	*	1025.6	+1	-	0	bc	39	98	2	2-3000	ST.	3	A-ST	-	-	-	*
Lough Foyle	1025.0	-1	-	0	C	46	92	8	2-3000	ST.	8	-	-	-	*	1025.6	+1	-	0	bc	39	98	2	2-3000	ST.	3	A-ST	-	-	-	*
Valencia (Cahire'n)	1022.2	-2	ENE	4	b	47	65	8	-	-	-	-	-	-	4	1022.5	+1	ENE	3	b	42	75	8	3-4000	ST.	1	-	-	-	3	
Anglesey (Llangefni)	1022.7	-1	ENE	4	bc	43	75	8	3-4000	ST.	5	-	-	-	4	1022.8	+2	NE	3	0	43	75	-	1-1000	ST.	9	-	-	-	3	
Falmouth	1027.9	-2	NNE	2	C	46	65	6	-	Cu.Nb	8	-	-	-	*	1028.1	+1	NNE	3	bc	40	75	6	-	ST	1	-	-	-	*	
Calshot (Hants)	1027.1	0	E	3	0	43	82	5	3-4000	ST.	10	-	-	-	3	1027.6	0	NE	2	OT.	40	92	3	1-2000	Nb	10	-	-	-	4	
Capel (Folkestone)	1026.3	-1	ENE	6	0	39	75	7	1-1500	Nb	10	-	-	-	3	1025.6	0	ENE	7	OV	38	75	8	1-2000	ST.	10	-	-	-	6	
Aberdeen	1036.3	0	NE	3	OT.	45	92	7	-	Nb	10	-	-	-	3	1036.3	0	N	2	OT	42	82	7	-	Nb	10	-	-	-	3	
East Fortune	1036.0	0	NE	1	C	43	75	7	1-2000	ST.	5	-	-	-	*	1035.9	0	-	0	od	43	82	-	3-4000	Nb	9	-	-	-	*	
Falmouth	1031.4	-0	NE	5	Cu	45	75	7	1-2000	ST.	6	A-ST	2	-	*	1032.0	+1	ENE	5	bc	42	65	8	4-5000	ST.	4	A-ST	2	-	*	
Felixstowe	1028.1	+3	NE	5	0	43	82	5	1-2000	Cu.Nb	10	-	-	-	6	1027.9	0	NNE	4	oh	42	98	4	1-1500	Nb	10	-	-	-	4	
Cranwell (Lincs)	1029.7	0	NE	3	C	46	65	8	2-3000	Cu	4	A-ST	3	-	*	1030.1	0	NNE	2	0	38	98	6	2-3000	ST.	10	-	-	-	*	
Bedford	1028.8	0	NNE	3	OT.	41	82	5	1-1500	ST.	10	-	-	-	*	1028.8	0	NE	3	od	40	87	5	2-3000	ST.	10	-	-	-	*	
Benson	1027.4	-1	NNE	3	C	42	82	6	-	-	-	-	-	-	*	1028.1	0	NNE	3	0	39	92	6	-	Nb	10	-	-	-	*	
London (Kew Obs.)	1027.1	-1	NE	3	C	43	75	5	1-2000	ST.	4	A-Cu	4	-	*	1027.4	0	NE	3	om	42	75	4	1-2000	ST.	4	A-ST	6	-	*	
1th. G.M.T. OF 2nd															7th. G.M.T. OF 2nd																
Houton B. (Orkney)	1024.8	-1	N	2	OT	38	92	6	-	ST	10	-	-	-	*	1024.1	-2	N	3	b	35	87	8	1-2000	ST	2	-	-	-	*	
Esksdalemuir	1025.5	0	-	0	C	45	98	-	2-3000	ST	8	-	-	-	*	1025.5	-3	-	0	0	43	98	5	1-2000	ST	9	-	-	-	*	
Stranraer	1025.5	0	-	0	C	45	98	-	2-3000	ST	8	-	-	-	*	1025.5	-3	-	0	0	43	98	5	1-2000	ST	9	-	-	-	*	
Lough Foyle	1025.5	0	-	0	C	45	98	-	2-3000	ST	8	-	-	-	*	1025.5	-3	-	0	0	43	98	5	1-2000	ST	9	-	-	-	*	
Valencia (Cahire'n)	1031.6	0	ENE	2	bc	41	*	*	*	*	*	*	*	*	*	1030.5	-1	E	4	b	40	75	8	-	ST	1	-	-	-	3	
Anglesey (Llangefni)	1033.5	+1	ENE	2	0	42	75	-	2-3000	ST.	9	-	-	-	4	1031.1	-2	-	0	0	34	82	8	2-3000	ST.	10	-	-	-	3	
Falmouth	1027.6	-1	NE	5	0	41	75	6	-	Cu.Nb	10	-	-	-	*	1026.1	-1	N	3	b	48	75	5	-	Cu	2	-	-	-	*	
Calshot (Hants)	1026.4	-1	ENE	2	0	41	82	7	4-500	ST	10	-	-	-	4	1025.2	-1	NE	3	0	40	92	5	<500	ST	10	-	-	-	4	
Capel (Folkestone)	1024.6	-2	ENE	7	d.	39	98	8	1-2000	Nb	10	-	-	-	5	1021.2	-3	NE	7	v	39	98	8	-	ST.	9	-	-	-	5	
Aberdeen	1025.5	0	N	1	0	40	92	4	1-2000	ST.	10	-	-	-	*	1022.5	-2	NW	3	v	40	98	7	-	Nb	10	-	-	-	2	
East Fortune	1025.8	0	NE	2	0	42	87	-	3-4000	Nb	10	-	-	-	*	1022.6	-3	NE	3	v	40	87	7	4-5000	ST.	3	-	-	-	*	
Falmouth	1026.6	-1	NNE	4	C	43	82	-	1-2000	ST	6	-	-	-	6	1027.5	-3	NW	3	b	34	92	4	2-3000	ST	2	A-ST	1	-	*	
Felixstowe	1020.6	0	NNE	1	0	39	92	6	2-3000	ST	7	A-ST	3	-	*	1026.7	-4	NNE	4	v	38	87	5	1-2000	ST	10	-	-	-	*	
Cranwell (Lincs)	1028.2	-1	N	2	d.	38	87	5	1-2000	ST	10	-	-	-	*	1025.6	-2	NNE	3	om	38	92	5	-	ST	9	-	-	-	*	
Bedford	1028.2	-1	N	2	d.	38	87	5	1-2000	ST	10	-	-	-	*	1025.6	-2	NNE	3	om	38	92	5	-	ST	9	-	-	-	*	
Benson	1026.8	-1	ENE	2	C	41	*	*	*	*	*	*	*	*	*	1024.8	-2	NNE	2	C	38	82	5	1-2000	ST.	3	A-ST	4	-	*	
London (Kew Obs.)	1026.8	-1	ENE	2	C	41	*	*	*	*	*	*	*	*	*	1024.8	-2	NNE	2	C	38	82	5	1-2000	ST.	3	A-ST	4	-	*	

STATIONS CONTRIBUTING REPORTS AT 7th AND 19th.

STATIONS.	BAROM. at M.S.L. m b.	TEMP. °F.	WIND.		Weather	BAROMETER.		TEMPERATURE.		WIND.		Dir. of Upper Cloud.	Weather	Sea	Rainfall mm	TEMP.		WEATHER.			Sunshine Hours.
			Dir.	Force 0-12.		at M.S.L. in b.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Dir.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.	
19th. G.M.T. of 1st						7th. G.M.T. of 2nd						24 HOURS ENDED 7th. 2nd						1st			
Lerwick ...	1036.3	42	N	3	sm	1032.7	-2	44	+6	NNE	3	-	omd	2	0.6	45	37	c	cm	omr	*
Stornoway ...	1038.4	43	ENE	3	C	1035.8	-2	42	+2	ENE	1	-	0	1	-	46	38	bc.c	c	C.O	4.1
Castletay (Barra Is)	1037.3	46	NNE	2	b	1034.8	-1	44	-1	NNE	2	-	0	2	-	49	41	bc.	bc.b	0	6.5
Glasgow ...	1036.2	41	ENE	2	0	1032.2	-3	32	-7	WSW	1	-	b	3	0.2	46	31	c	C.op	C.C.bx	3.1
Malin Head ...	1034.8	46	E	2	bc	1032.9	-2	45	0	NNE	2	N	C	1	-	49	43	bc	bc	C	7.3
Blacksod Point	1034.3	45	E	1	bc	1033.5	-3	42	-2	ESE	2	-	bcg	2	-	48	37	bc	bc	bcg	*
Roche's Point...	1032.6	40	NE	1	b	1031.1	-1	41	+3	NNE	1	-	0	1	0.1	49	37	b.bc.b	b	b.o	*
Biri Castle ...	1033.8	37	NE	1	bc	1031.9	-3	26	-1	NE	1	-	b	*	-	48	26	fc	C.bx	bx	7.2
Donaghadee ...	1035.6	46	E	3	bc	1032.4	-2	45	0	NE	3	-	cg	3	-	48	45	bc	bc	cg	*
Liverpool (Bidston)	1032.5	39	NE	2	0	1023.9	-2	37	0	NE	3	N	C	3	-	45	34	C.bx	bc.o	bc.o	4.9
Holyhead ...	1032.3	45	ENE	5	bc	1030.0	-2	45	+2	NE	4	-	C	3	-	46	41	C.bx	cg	cg	6.6
Pembroke (St. Ann's Head)	1030.2	41	NNE	2	b	1029.2	-1	38	-3	NNE	3	-	b	2	-	46	37	bc	bc	bc.b	6.3
Scilly (St. Mary's)	1027.5	42	NE	4	C	1026.5	-1	44	-2	E	5	NE	C	5	1	51	40	Cp	Cp	bc.c	2.4
Jersey (St. Aubin)	1023.9	42	NE	4	0	1020.4	0	42	-1	ENE	5	-	0	4	2	47	39	bph.c	C.op	op.o	1.7
Portland Bill ...	1026.2	41	NE	5	C	1024.0	-1	39	+1	NE	5	NE	bcg	4	0.3	44	36	bc.c	bc.c	C.cq	*
Dungeness ...	1023.8	42	ENE	7	Cq	1019.8	-2	43	+4	ENE	8	E	Cq	7	1	48	36	Cph.c	Cq	Cq	*
Wick ...	1037.3	42	NNE	2	sm	1032.2	-3	42	-1	NNW	2	-	omd	2	0.1	47	41	C.omp	bc. sm	om.C. om	*
Nairn ...	1037.7	43	NE	2	C	1033.8	-1	41	-2	-	0	-	cg	1	-	45	39	Cq.bx	bc.cq	Cq	0.8
Leith ...	1034.9	44	NE	2	r	1032.3	-1	40	-2	NW	2	NW	C	2	3	46	39	C.C. od	od.d	rv. omc	*
Clymouth ...	1033.7	45	ENE	3	C	1029.3	-2	45	-2	NE	3	-	om	3	1	47	40	bc	C	C.omp	*
Spurn Head ...	1030.2	45	ENE	5	Cq	1026.7	-3	43	+1	NNE	5	-	Cqp	5	3	46	38	Cqp	Cqp	Cq	*
Yarmouth (Gor. Isolation)	1028.1	42	E	5	C	1024.5	-3	43	+2	E	5	-	Cqp	6	0.4	44	39	Cp.Cp	Cq.b	Cq.bh	0.3
Clacton-on-Sea	1027.1	42	ENE	5	0	1023.7	-2	42	+0	NNE	4	NE	C	5	2	44	35	Cph.o	C.Cph	dpc	0.1
Nottingham ...	1026.7	40	NE	3	0	1027.7	-7	38	+1	N	3	N	b	1	45	36	Cp	Cp.o	op	1.2	

SUMMARY OF CONDITIONS AT 7 A.M. Sunday, 2nd November, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	NEly. 10-20	Cold	Cloudy or dull, wind 35 mph. on coast of Kent.	V. good	R. rough
2. E. England	N.E. 10-20	R. cold	Cloudy, local showers.	Fair	"
3. E. Midlands	N. 10	Cold	Variable sky, local mist.	"	"
4. W. Midlands	N NE. 5-15	"	Variable sky.	"	"
5. S.W. England	NE E. 10-20	"	Fine to cloudy, local squalls.	V. good	R. rough
6. South Wales	NNE. 5-10	V. cold	Fine	Good	Smooth
7. North Wales	NE. 10-15	Cold	Cloudy or dull.	V. good	Slight
8. N.W. England	N NE. 10	"	Variable sky.	Good	"
9. N. Midlands	N NE. 10	"	Variable sky.	Fair	"
10. N.E. England	NE. 10-20	R. cold	Cloudy or dull, local showers.	Ord.	Mod.
11. E. Scotland	NW NE. 2-10	"	Dull, slight local rain.	Good	Smooth
12. S.W. Scotland	N NE. 0-10	Cold	Variable sky, local mist.	Fair	"
13. Isle of Man	NE. 5-10	R. cold	Cloudy or dull.	Good	Slight
14. N. & N.W. Scotland	Nly. 0-5	"	Dull, local mist & drizzle.	"	Smooth
15. Hebrides	N NE. 2-5	"	Dull.	"	"
16. Orkneys and Shetlands	NNE. 10	Moderate	Dull, local mist & drizzle.	"	"
17. N.W. Ireland	ESE. 5	R. cold	Fair	"	"
18. N.E. Ireland	N NE. 5-10	Moderate	Cloudy.	"	Slight
19. S.E. Ireland	N NE. 2	V. cold	Fine	Poor	Smooth
20. S.W. Ireland	NE E. 5-15	Cold	Variable sky.	Good	Slight

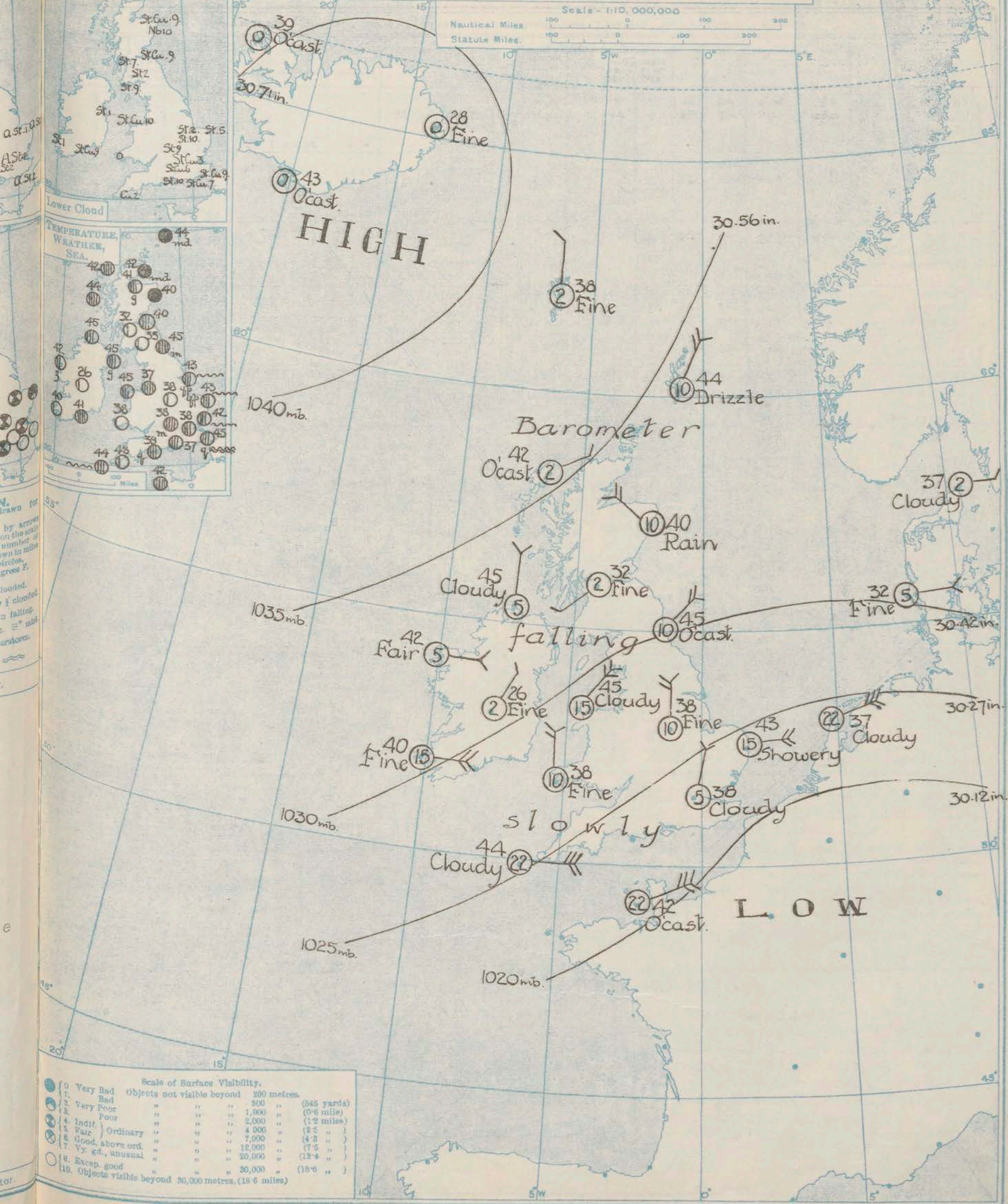
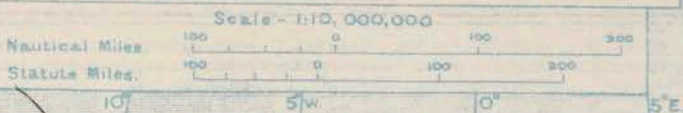
GENERAL INFERENCE from observations received up to 9 a.m.

The extensive anticyclone between Scotland and Iceland is receding northward slowly. The cold NEly. type of weather will continue with much cloud and showers in the eastern districts and fairer weather in the west.

EXPLANATION.
BAROMETER.—Isobars are drawn for intervals of five millibars.
WIND.—Direction is shown by arrow 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 & clouded.
 ⊙ sky & clouded. ⊙ sky & clouded.
 ⊕ overcast sky. ⊕ rain falling.
 * snow. ▲ hail. ≡ fog. ≡ mist.
 T thunder. R thunderstorm.
SEA DISTURBANCE.—Rough High

Districts.	Forecasts for the 24 hours commencing 3 p.m. Sunday, 2nd November, 1919	Further Outlook.
1. S.E. England	Wind between E. and NE. moderate or fresh, strong locally.	A similar type of weather will probably be maintained beyond the period of the forecasts.
2. E. England	Cloudy or dull, occasional showers of rain or hail. Cold.	
3. E. Midlands		
4. W. Midlands		
5. S.W. England	Moderate or fresh NEly. winds. Fair or cloudy.	
6. South Wales		
7. North Wales	Cold.	
8. N.W. England		
9. N. Midlands	Moderate or fresh NEly. winds. Cloudy or dull, occasional showers of rain or hail. Cold.	
10. N.E. England		
11. E. Scotland		
12. S.W. Scotland	Moderate NEly breezes. Fair or cloudy. Cold.	
13. Isle of Man		
14. N. & N.W. Scotland	Moderate Nly. to NEly breezes freshening. Cloudy or dull, occasional showers of rain or hail. Cold.	
15. Hebrides		
16. Orkneys and Shetlands		
17. N.W. Ireland	Wind between E. and NE., light or moderate freshening.	
18. N.E. Ireland	Fair or cloudy. Cold.	
19. S.E. Ireland		
20. S.W. Ireland		

SYNOPTIC CHART FOR MORNING OF SUNDAY, 2ND NOVEMBER, 1919.



Scale of Surface Visibility.

Symbol	Very Bad	Bad	Very Poor	Poor	Indit.	Ordinary	Good, above ord.	Vy. gd., unusual	Excep. good	Objects visible beyond 30,000 metres (19.6 miles)
0	Very Bad	Bad	Very Poor	Poor	Indit.	Ordinary	Good, above ord.	Vy. gd., unusual	Excep. good	Objects visible beyond 30,000 metres (19.6 miles)
1	Very Bad	Bad	Very Poor	Poor	Indit.	Ordinary	Good, above ord.	Vy. gd., unusual	Excep. good	Objects visible beyond 30,000 metres (19.6 miles)
2	Very Bad	Bad	Very Poor	Poor	Indit.	Ordinary	Good, above ord.	Vy. gd., unusual	Excep. good	Objects visible beyond 30,000 metres (19.6 miles)
3	Very Bad	Bad	Very Poor	Poor	Indit.	Ordinary	Good, above ord.	Vy. gd., unusual	Excep. good	Objects visible beyond 30,000 metres (19.6 miles)
4	Very Bad	Bad	Very Poor	Poor	Indit.	Ordinary	Good, above ord.	Vy. gd., unusual	Excep. good	Objects visible beyond 30,000 metres (19.6 miles)
5	Very Bad	Bad	Very Poor	Poor	Indit.	Ordinary	Good, above ord.	Vy. gd., unusual	Excep. good	Objects visible beyond 30,000 metres (19.6 miles)
6	Very Bad	Bad	Very Poor	Poor	Indit.	Ordinary	Good, above ord.	Vy. gd., unusual	Excep. good	Objects visible beyond 30,000 metres (19.6 miles)
7	Very Bad	Bad	Very Poor	Poor	Indit.	Ordinary	Good, above ord.	Vy. gd., unusual	Excep. good	Objects visible beyond 30,000 metres (19.6 miles)
8	Very Bad	Bad	Very Poor	Poor	Indit.	Ordinary	Good, above ord.	Vy. gd., unusual	Excep. good	Objects visible beyond 30,000 metres (19.6 miles)
9	Very Bad	Bad	Very Poor	Poor	Indit.	Ordinary	Good, above ord.	Vy. gd., unusual	Excep. good	Objects visible beyond 30,000 metres (19.6 miles)
10	Very Bad	Bad	Very Poor	Poor	Indit.	Ordinary	Good, above ord.	Vy. gd., unusual	Excep. good	Objects visible beyond 30,000 metres (19.6 miles)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. NO. 306. B

Sunday,
2nd November

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

WEATHER.																			
STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night, 12h-3h. 31st.	Day, 9h-12h. 1st.	Sunrise to Sun- set. 1st.	Forenoon.			Afternoon.	Max. ° F.	Min. ° F.	Night, 12h-3h. 31st.	Day, 9h-12h. 1st.	Sunrise to Sun- set. 1st.		
Scotland.	Oban	ob	bc.b	49	34	-	-	1.9	England, N.W.	Douglas (I.O.M.)									
	Banff	bc	op	47	43	-	0.1	1.7		Blackpool									
	Montrose									Southport	bc.b	bc.c.o	45	35	-	-		5.6	
	St. Andrews																		
England, N.E.	Harrogate	bc.b.bc.c.o	o.c.o	43	35	1	0.2	2.5	Midlands.	Buxton	re.bc.b	bc.c.bb	39	34	0.2	1		1.4	
	Skegness									Leamington Spa	cb	cp	44	36	-	0.2		1.0	
										Malvern									
										Ross-on-Wye	bcmp	bc.c	42	35	Trace	-		0.6	
England, E.	Felixstowe	cg.p	og.p	46	34	2	1	0.1	Wales.	Rhyl									
	Walton-on-Naze									Colwyn Bay									
	Southend-on-Sea									Llandudno									
										Aberystwyth	oc.b	bc.c	46	41	-	-		6.0	
England, S.E.	Margate	oh.g	o	44	38	12	0.1	0.1	England, S.W.	Weymouth									
	Ramsgate		c	45	36	13	-	0.0		Teignmouth									
	Folkestone	gh	ro	44	37	-	0.1	0.4		Torquay	b.bc.c	c.o.c	46	39	-	-		3.6	
	Hastings									Paignton	bc	c	44	38	-	-		3.1	
	Eastbourne	o	ro	44	36	1	-	0.8		Penzance									
	Brighton									Newquay									
	Worthing	*	*	42	34	0.3	0.3	2.7		Bude									
	Littlehampton	*	*	47	38	-	1	2.8		Ilfracombe									
	Bournemouth	*	*	43	33	-	-	4.2		Weston-s-Mare									
	Turnbridge Wells	obso	c.o	41	31	-	1	0.1											

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.				Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	RAINFALL.		Sun. Hours.
	7h-12h.	12h-18h.	18h-12h.	12h-7h.				Day, 7h-12h.	Night, 12h-7h.	
†Houton Bay (Orkney) ...	cp.op	op.c.bc.b	bx.bc.c.p	c.bc.b	42	30	23	0.3	0.1	1.3
Esksdalemuir ...	bc.c	c.ov	x.b.bc	c.o	46	32	*	*	*	*
†Stranraer ...										
†Lough Foyle ...										
Valencia (Cahirciveen) ...	b	b	b	b	48	37	31	-	-	7.8
†Anglesey (Llangefni) ...	c.o	bc.c	c.o.bc.c	c.o	45	33	*	*	*	*
Falmouth ...	cx.c	c.bc.b3	bc.c.og	o.bc.b	48	36	30	-	-	3.8
†Calshot (Hants) ...	bc.c	o	ba.	b.o	43	35	*	*	*	*
†Capel (Folkestone) ...	ov	ots	ov.	cv	45	38	*	*	*	*
Aberdeen ...	c.or	cp.or	op	op	46	39	36	1	1	1.4
†East Fortune ...	bc.c2	bc.c2	p.o.o	v.c.o	47	39	*	*	*	*
†Framborough Hts. ...	pr.hg	c.op					*	*	*	*
†Felixstowe ...	of.	pr.hg	c.og				*	*	*	*
†Cranwell (Lines) ...	bc.c.o	q.p	p2g.	bc.c.b	46	32	*	*	*	*
†Bedford ...	c.o2	c	om	3.p.	44	35	*	*	*	*
Benson ...	bc	o	c	c	44	30	30	-	-	*
London (Kew Obs.) ...	bc.bc.cmp	cr.om.o	o.o	o.o	43	35	32	0.3	Trace	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.
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, 1=heavy. Underlining is used to express continuity.

SYMBOLS—

Aurora ☄ Solar halo ☉
Rime ☃ Lunar halo ☾
Glazed frost ☑ Solar corona ☼
Glazed roads ☐ Lunar corona ☾

LONDON OBSERVATIONS.

	WEATHER.			Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rain-fall. mm.	Sun-shine to Sunset. Hours.	Humidity %	
	Morning.	Afternoon.	Night.						12h. G.M.T.	9h. G.M.T.
24 HOURS ENDED 9h G.M.T. 2nd										
Greenwich (Royal Observatory)	op	op	op.b.o	42	36	28	2	0.0	82	78
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	*
Westminster (St. James's Park)	*	*	*	*	*	*	*	*	*	*
Admiralty Arch	cmp.om	cmp.o	og.c.c3	45	38	*	trace	0.1	78	88
Camden Sq. (British Rainfall)	bc	or	*	44	36	29	1	0.3	79	84
Kensington Palace ...	c.o	oro	*	43	36	33	0.3	*	84	81
(at 19h)										

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	YESTERDAY.		TO-DAY.	
	12h. G.M.T.	9h. G.M.T.	12h. G.M.T.	9h. G.M.T.
Total	78	88	79	84
Average Rate.	78	88	79	84
Maximum Rate.	78	88	79	84

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

2nd & 3rd November 1919.			
Stations.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 6.52	G.M.T. 11.37	G.M.T. 4.22
Greenwich ...	G.M.T. 6.54	G.M.T. 11.37	G.M.T. 4.20
Wick ...	G.M.T. 6.57	G.M.T. 11.44	G.M.T. 4.31
Valencia ...	G.M.T. 6.59	G.M.T. 11.44	G.M.T. 4.29
	G.M.T. 7.32	G.M.T. 11.56	G.M.T. 4.17
	G.M.T. 7.35	G.M.T. 11.56	G.M.T. 4.17
	G.M.T. 7.39	G.M.T. 12.25	G.M.T. 5.11
	G.M.T. 7.41	G.M.T. 12.25	G.M.T. 5.9

NOTES ON THE WEATHER OF YESTERDAY.

Fair weather prevailed in the Western districts. More than 7 hours of sunshine were recorded at Irish stations and over 6 hours at several stations on the west coasts of England and Scotland.

In the eastern districts the weather was cloudy or dull with showers especially near the coast. Hail or sleet were experienced at a few places in South-East and East England.

Temperature continued low. Scilly was the only station at which the thermometer reached 50°F. At night the thermometer fell as low as 26°F. at Birr Castle.

† Air Ministry Station.

* Information for these columns not usually received.



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

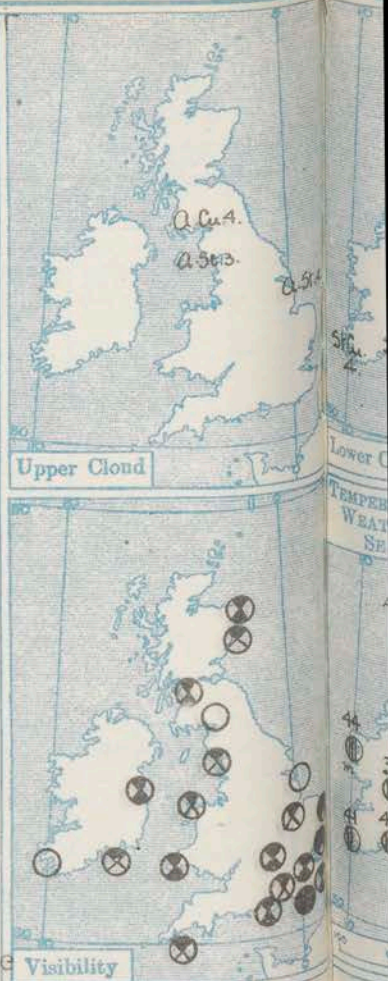
No 21,165.B MONDAY, 3RD NOVEMBER, 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H, AND 18H.																																																																																																																																																																																																																																																																																																																																																																															
STATIONS.	BAROM.	↑	WIND.		WEATHER.	TEMP.	HUMIDITY.	VISIBILITY.	Height	Low Cloud.		Upper Cloud.		Sea.	BAROM.	↑	WIND.		WEATHER.	TEMP.	HUMIDITY.	VISIBILITY.	Height	Low Cloud.		Upper Cloud.		Sea.																																																																																																																																																																																																																																																																																																																																																			
	at	Change	Dir.	Force		°F.	%	0-10.	Feet.	Form.	Amt.	Form.	Amt.		0-9.	at	Change	Dir.		Force	°F.	%	0-10.	Feet.	Form.	Amt.	Form.		Amt.	0-9.																																																																																																																																																																																																																																																																																																																																																	
	M.S.L.	in 3 hours.	0-12.	0-10.		0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.		0-10.	M.S.L.	in 3 hours.	0-12.		0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.	0-10.		0-10.	0-10.	0-9.																																																																																																																																																																																																																																																																																																																																																
13H. G.M.T. 2 nd														18H. G.M.T. OF 2 nd																																																																																																																																																																																																																																																																																																																																																																	
Houton B. (Orkney)	1028.3	-3	NNE	5	bc	40	82	6	1½-2000	st.cu	6	-	-	*	1026.4	-1	NNE	3	op	39	92	6	1½-2000	st.cu	8	A.cu	1	*																																																																																																																																																																																																																																																																																																																																																			
Eskdalemuir	1029.5	-3	NNE	2	bc	42	92	8	2-3000	st.	2	A.cu	3	*	1026.5	-3	NNE	2	bc	39	98	-	2-3000	st.	6	-	-	-	*																																																																																																																																																																																																																																																																																																																																																		
Stranraer	1028.1	-5	ENE	4	b	46	65	8	-	-	-	-	3	*	1026.2	-1	NE	3	b	42	75	8	-	cu	3	-	-	-	2																																																																																																																																																																																																																																																																																																																																																		
Lough Foyle	1028.1	-4	NE	3	o	44	75	8	2-3000	st.cu	9	-	-	3	1024.1	-2	NNE	3	o	44	82	-	2-3000	st.	9	-	-	-	3																																																																																																																																																																																																																																																																																																																																																		
Valencia (Cahire'n)	1023.6	-4	NNE	5	bcqy	47	55	7	-	st.cu	5	-	-	*	1021.1	-1	NE	3	og	44	65	4	-	st.	10	-	-	-	*																																																																																																																																																																																																																																																																																																																																																		
Anglesey (Llangefni)	1020.4	-2	NE	3	o	44	82	5	½-1000	st.	10	-	-	4	1019.1	-2	NE	2	o	41	92	3	2-3000	cu	9	-	-	-	4																																																																																																																																																																																																																																																																																																																																																		
Falmouth	1018.4	-3	NE	8	ors.	39	98	7	½-1000	st.cu	10	-	-	6	1016.3	-1	NE	7	o	39	98	5	1-1500	Nb	10	-	-	-	5																																																																																																																																																																																																																																																																																																																																																		
Calshot (Hants)	1030.0	-3	NE	3	c	46	82	8	-	cu.Nb	8	-	-	3	1029.0	-1	E	3	o	43	92	7	-	cu.Nb	9	-	-	-	3																																																																																																																																																																																																																																																																																																																																																		
Capel (Folkestone)	1029.3	-4	N	3	od	43	92	6	2-3000	Nb	9	-	-	*	1027.4	-1	ENE	2	bc	43	87	-	2-3000	st.cu	6	-	-	-	*																																																																																																																																																																																																																																																																																																																																																		
Aberdeen	1024.7	-4	ENE	6	cr.q	40	82	8	1½-2000	Nb	5	A.st	2	*	1023.4	0	E	5	bc	42	75	8	2-3000	cu.Nb	2	A.cu	1	*																																																																																																																																																																																																																																																																																																																																																			
East Fortune	1021.1	-4	NE	6	og	43	82	6	1½-2000	st.cu	10	-	-	5	1018.5	-1	NE	6	ops.	42	82	7	1½-2000	st.cu	10	-	-	-	5																																																																																																																																																																																																																																																																																																																																																		
Flamborough Hd.	1023.5	-3	NNE	3	c	44	92	7	2-3000	st.	5	A.st	3	*	1022.1	-1	NNE	2	bc	37	92	8	2-3000	st.	2	A.st	2	*																																																																																																																																																																																																																																																																																																																																																			
Felixstowe	1021.9	-5	NNE	4	om	44	82	5	½-1000	st.	10	-	-	*	1020.6	0	NNE	2	o	38	87	6	2-3000	st.	10	-	-	-	*																																																																																																																																																																																																																																																																																																																																																		
Cranwell (Lincs)	1021.6	-4	NNE	3	o	43	87	7	-	-	-	-	-	*	1020.2	-1	N	1	b	37	98	7	-	-	-	-	-	-	*																																																																																																																																																																																																																																																																																																																																																		
Bedford	1020.7	-5	NE	3	om	45	65	5	1½-2000	st.cu	10	-	-	*	1019.0	-2	NNE	2	o	39	82	5	-	cu.Nb	9	-	-	-	*																																																																																																																																																																																																																																																																																																																																																		
Benson	1024.5	-2	NNE	3	op	36	92	6	-	st	10	-	-	*	1022.7	-1	NNE	3	o	35	92	8	1½-2000	Nb	5	A.cu	4	*																																																																																																																																																																																																																																																																																																																																																			
London (Kew Obs.)	1024.2	-2	-	0	o	36	98	-	2-3000	st	10	-	-	*	1018.8	-2	ENE	4	bc	41	75	8	-	st.cu	4	-	-	-	3																																																																																																																																																																																																																																																																																																																																																		
Houton B. (Orkney)	1020.1	-4	ENE	2	c	39	*	*	*	*	*	*	*	*	1019.1	-5	NE	4	o	42	75	0	2-3000	st.cu	10	-	-	-	5																																																																																																																																																																																																																																																																																																																																																		
Eskdalemuir	1022.4	-1	E	1	b	38	92	1	2-3000	st	3	-	-	3	1015.3	-2	N	3	o	38	82	6	-	st.cu	10	-	-	-	*																																																																																																																																																																																																																																																																																																																																																		
Stranraer	1017.6	-2	NNE	4	o	42	82	4	-	st	10	-	-	*	1013.2	-2	NE	3	o	42	92	5	<500	st	10	-	-	-	4																																																																																																																																																																																																																																																																																																																																																		
Lough Foyle	1016.2	-3	NE	2	T	39	98	-	4500	Nb	10	-	-	4	1010.8	-2	ENE	3	o	33	98	5	1½-2000	Nb	10	-	-	-	2																																																																																																																																																																																																																																																																																																																																																		
Valencia (Cahire'n)	1013.0	-3	NE	2	T	34	98	4	1-1500	Nb	10	-	-	2	1026.3	-1	E	4	T	40	82	7	-	Nb	3	-	-	-	3																																																																																																																																																																																																																																																																																																																																																		
Anglesey (Llangefni)	1029.0	0	-	0	bc	41	98	5	1½-2000	st.cu	6	-	-	*	1017.1	-2	ENE	7	Tq	42	82	8	1-1500	Nb	0	A.st	4	*																																																																																																																																																																																																																																																																																																																																																			
Falmouth	1025.7	-2	NE	1	c	41	87	-	30000	st.cu	7	-	-	*	1012.1	-3	NNE	5	Tq	36	98	2	1-1500	Nb	10	-	-	-	4																																																																																																																																																																																																																																																																																																																																																		
Flamborough Hd.	1019.8	-4	ENE	6	o	42	75	8	A.S.O.O.	st.cu	4	A.cu	5	*	1015.3	-2	ESE	3	o	40	92	6	2-3000	st	10	-	-	-	*																																																																																																																																																																																																																																																																																																																																																		
Felixstowe	1014.9	-1	NNE	4	Tq	37	98	4	1-1500	Nb	10	-	-	4	1014.3	-2	NNE	3	T	37	92	5	1½-2000	st	10	-	-	-	*																																																																																																																																																																																																																																																																																																																																																		
Cranwell (Lincs)	1017.4	-1	N	2	T	40	92	4	1½-2000	Nb	10	-	-	*	1012.8	-3	NNE	3	T	37	98	5	-	Nb	10	-	-	-	*																																																																																																																																																																																																																																																																																																																																																		
Bedford	1016.1	-5	NNE	2	T	39	92	3	1-1500	st	10	-	-	*	1012.7	-2	NNE	3	T	36	92	5	1½-2000	st	10	-	-	-	*																																																																																																																																																																																																																																																																																																																																																		
Benson	1014.8	-2	NE	2	or	39	*	*	*	*	*	*	*	*	1012.7	-2	NNE	3	T	36	92	5	1½-2000	st	10	-	-	-	*																																																																																																																																																																																																																																																																																																																																																		
London (Kew Obs.)	1014.8	-2	NE	2	or	39	*	*	*	*	*	*	*	*	1012.7	-2	NNE	3	T	36	92	5	1½-2000	st	10	-	-	-	*																																																																																																																																																																																																																																																																																																																																																		
STATIONS CONTRIBUTING REPORTS AT 7H AND 13H.																																																																																																																																																																																																																																																																																																																																																																															
STATIONS.	BAROM.	TEMP.	WIND.		WEATHER.	BAROMETER.	TEMPERATURE.		WIND.	DIREC.	FORCE	UPPER CLOUD.	WEATHER.	SEA	RAINFALL.	TEMP.			WEATHER.			SUNSHINE.																																																																																																																																																																																																																																																																																																																																																									
	at	°F.	Dir.	Force		at	Change in 3 hours.	Temp. °F.	Change in 24 hours.							Dir.	Force	Max. °F.	Min. °F.	Morning.	Afternoon.	Night.																																																																																																																																																																																																																																																																																																																																																									
	M.S.L.	0-12.	0-12.	0-12.		M.S.L.	0-12.	0-12.	0-12.			0-12.				0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.	0-12.

* Air Ministry Station. * Information for these columns not usually received. * The barometric change is expressed in half millibars. * Longitude East of Greenwich.

SUMMARY OF CONDITIONS AT 7 A.M. Monday, 3rd November, 1919.

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	N-NE 10	Cold.	Dull, rainy; sleet at Beachy Hd.	var.	slight
2. E. England	NE-E 10-20	Cold	Dull, rainy; gale at Gorleston.	indiff.	rough
3. E. Midlands	NE 10	r. cold	Dull, rainy.	fair	---
4. W. Midlands	NE 10	Cold	Dull, local rain	ord.	---
5. S.W. England	N-E 10-15	Cold	Dull	ord.	moderate
6. South Wales	N-NE 5-10	Cold	Cloudy or dull	ord.	smooth
7. North Wales	NE-E 15-20	r. Cold.	Cloudy or dull	good	moderate
8. N.W. England	NNE-NE 10	"	Dull	good	smooth
9. N. Midlands	NE 10-15	"	Dull, local rain	---	---
10. N.E. England	ENE-E 15-25	"	Dull, rainy, local squalls	v. good	rough.
11. E. Scotland	NE-E 0-15	"	Cloudy or dull, light rain locally.	ord. to v. good.	slight
12. S.W. Scotland	NE 5-10	"	Dull; local drizzle	"	slight
13. Isle of Man	NE-E 10-20	"	Dull	ord.	slight
14. N. & N.W. Scotland	SE-NE 2-10	"	Fair or cloudy	ord.	slight
15. Hebrides	NE-E 2-10	"	Fair or dull	ord.	smooth.
16. Orkneys and Shetlands	calm or SE 10	"	Cloudy; mist at Shetland	---	v. smooth
17. N.W. Ireland	E 5	"	Cloudy; local mist	indiff.	slight
18. N.E. Ireland	NE-E 10-20	Moderate	Dull, local mist and squalls	ord.	slight
19. S.E. Ireland	N-E 2-5	r. cold	Cloudy	ord.	Moderate
20. S.W. Ireland	NE 5-15	Cold.	Fair or dull	good	smooth.



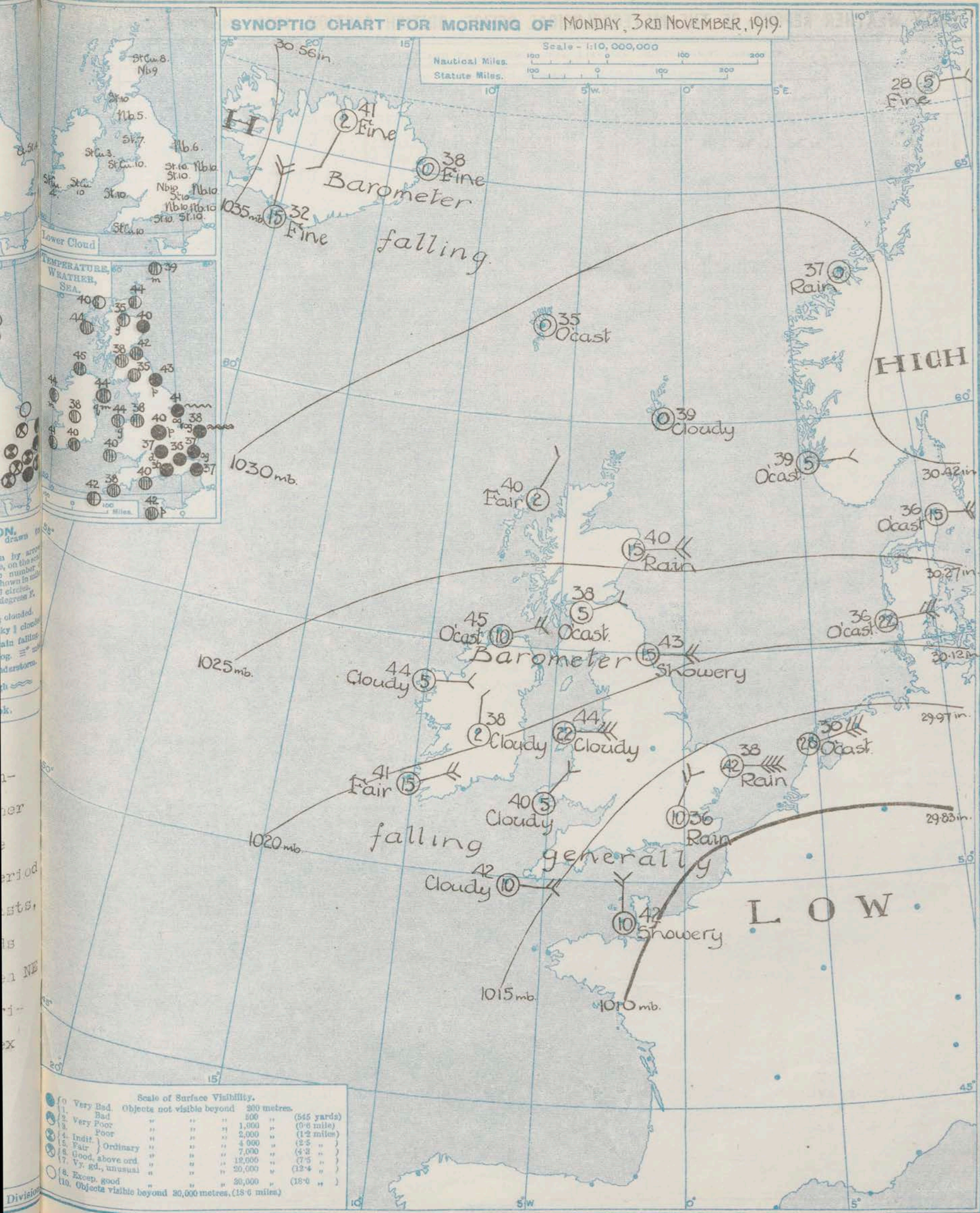
GENERAL INFERENCE from observations received up to 9 am.

A shallow depression over France is moving slowly east, and small secondaries are indicated over Germany and Denmark which will maintain cold unsettled weather in the British Isles, particularly in the east and south. Another depression is developing between Iceland and Norway which may influence the north of Scotland.

EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by arrow 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.—Isobars are drawn at intervals of five degrees F.
WEATHER SYMBOLS.—
 ○ clear sky. ○ sky & clouded.
 ● overcast sky. ● sky & clouded.
 * snow. ▲ hail. = fog. = rain.
 T thunder. R thunderstorm.
SEA DISTURBANCE.—
 Rough ~~~~~ High ~~~~~

Districts.	Forecasts for the 24 hours commencing 3 p.m. Monday 3rd November, 1919.	Further Outlook.
1. S.E. England	Wind between NE and E, moderate or fresh, high on exposed parts of the coast. Dull, with rain, sleet or snow at times. Very cold.	The cold unsettled weather will continue beyond the period of the forecasts, with the winds mainly between NE and E, but variable in the extreme north.
2. E. England		
3. E. Midlands		
4. W. Midlands	Wind between N and NE, moderate or fresh. Cloudy or dull, some rain or sleet showers. Cold.	
5. S.W. England		
6. South Wales		
7. North Wales		
8. N.W. England		
9. N. Midlands	Wind between E and NE, fresh or strong. Dull, rain at times.	
10. N.E. England		
11. E. Scotland	Cold.	
12. S.W. Scotland	Wind between E and NE, moderate or fresh. Cloudy or dull, some rain or sleet showers. Cold.	
13. Isle of Man		
14. N. & N.W. Scotland	Variable winds, light or moderate. Cloudy, some showers. Rain probable tomorrow. Cold.	
15. Hebrides		
16. Orkneys and Shetlands		
17. N.W. Ireland	Wind between E and NE, light or moderate. Fair to cloudy, some showers. Cold.	
18. N.E. Ireland		
19. S.E. Ireland		
20. S.W. Ireland		

SYNOPTIC CHART FOR MORNING OF MONDAY, 3RD NOVEMBER, 1919.



DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 307. B

Monday
3rd November

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 2 nd																			
STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-24h. 1 st	Day. 9h-17h. 2 nd	Sunrise to Sun- set. 2 nd	Forenoon.			Afternoon.	Max. ° F.	Min. ° F.	Night. 17-24h. 1 st	Day. 9h-17h. 2 nd	Sunrise to Sun- set. 2 nd		
Scotland	Oban								England, N.W.	Douglas (I.O.M.)									
	Banff	bc. bc	cp. bc	46	42	1	2	1.8		Blackpool									
	Montrose									Southport	c. o. c	bc. c. o	45	33	-	-		0.4	
	St. Andrews																		
England, N.E.	Harrogate	c.	c. or	44	33	0.1	1	0.7	Midlands.	Buxton									
	Skegness									Leamington Spa... ..	c. b	c. b. p	46	36	-	1		5.0	
										Malvern									
										Ross-on-Wye	b. bc. c. o	c. op.	45	36	-	0.2		3.6	
England, E.	Felixstowe	cgg	cgg	45	40	-	-	0.2	Wales.	Rhyl	bc. c	c	46	33	-	-		1.0	
	Walton-on-Naze... ..									Colwyn Bay	x.	x.	45	36	0.4	-		0.1	
	Southend-on-Sea... ..	o	o	42	36	-	-	0.0		Llandudno	o.	or.	46	36	-	1		0.0	
										Aberystwyth									
England, S.E.	Margate								England, S.W.	Weymouth									
	Ramsgate									Teignmouth									
	Folkestone	o	o	42	40	-	-	0.0		Torquay	c. bc	b. bc. c. p	48	39	-	-		5.3	
	Hastings									Paignton	bc.	c	47	38	-	-		4.5	
	Eastbourne	o.	o. c. o	42	36	0.3	-	0.5		Penzance	b. bc	bc. c. o	50	39	-	-		6.2	
	Brighton	or	or	43	38	-	1	1.0		Newquay	b.	b. bc	46	37	-	-		5.9	
	Worthing									Bude									
	Littlehampton	b. to.	bc.	43	39	-	-	3.5		Ilfracombe									
	Bournemouth	x.	x.	45	34	-	-	2.8		Weston-s-Mare									
	Tunbridge Wells	op. o.	o	41	36	0.1	0.3	0.0											

SUMMARIES FOR PAST 24 HOURS.										BEAUFORT NOTATION.			THE BEAUFORT SCALE OF WIND FORCE.		
STATIONS.	WEATHER.				Max. Temp. °F.	Min. Temp. °F.	Min. on Grass °F.	RAINFALL.		Sun. Hours.	No.	Limits of Velocity.			
	7h-13h 2nd	13h-18h 2nd	18h-24h 2nd	1h-7h 3rd				Day. 7h-13h	Night. 18h-7h			Statute miles per hour.	Metres per second.		
†Houton Bay (Orkney)...							*	*	*	*	0	Less than 1	Less than 0.3		
Esksdalemuir ...	b.bc.c.bc	od.o.op	or.op.o	o.op	42	34	31	0.3	0.4	3.9	1	1-8	0.3-1.5		
†Stranraer ...	bc.cv	bc.cv	b.bc.b.bc				*	*	*	*	2	4-7	1.6-3.3		
†Lough Foyle ...							*	*	*	*	3	8-12	5.4-5.4		
Valencia (Cahirciveen) ...	b	b	bc.c.o.c.bc		47	37	32	-	-	8.3	4	13-18	5.5-7.9		
†Anglesey (Llangefni) ...	ops,	ps,g	b.bc	bc.c.o	46	33	*	*	*	*	5	19-24	8.0-10.7		
Falmouth ...	b.bc.g	bc.g	o2.o	o	48	36	29	-	-	6.3	6	25-31	10.8-13.8		
†Calshot (Hants) ...	b.o	o	b.o	b.o	44	37	*	*	*	*	7	32-38	13.9-17.1		
†Capel (Folkestone)...	cv	opd.	op,	a.prs.	40	33	*	*	*	*	8	39-46	17.2-20.7		
Aberdeen ...	op.cp	bc.cp	op.cgp		46	39	36	2	1	2.3	9	47-54	20.8-24.4		
†East Fortune ...	c.opd	c.or	qr,	ov	48	39	*	*	*	*	10	55-63	24.5-28.4		
†Flamborough Hd.	pr	c.op	c.op	ov	44	35	*	*	*	*	11	64-75	28.5-33.5		
†Felixstowe ...	pg	pg	qrz	r.g	44	35	*	*	*	*	12	Above 75	33.6 or above		
†Cranwell (Lincs)	bc.cp	qv	vp,	p.o	46	34	*	*	*	*	Suffixes 0.1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.				
†Bedford ...	ompd	pd.rh,	c.opd.	qrz,	44	35	*	*	*	*	SYMBOLS—				
Benson ...	bc	bc	ora		43	36	30	1	2	*	Aurora	☉	Solar halo		
London (Kew Obs.)	c.o	o.op.o	onaor		45	36	33	trace	2	1.4	Rime	☾	Lunar halo		
											Glazed frost	☼	Solar corona		
											Glazed roads	☾	Lunar corona		

LONDON. OBSERVATIONS.	WEATHER.			Max. Temp.	Min. Temp.	Min. on Grass.	Rain- fall.	Sun- shine to Sunset.	HEMIDITY %		SOUTH KENSINGTON (Meteorological Office).	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.									
	Morning	Afternoon	Night	° F.	° F.	° F.	mm.	Hours.	16 h. G.M.T.	9 h. G.M.T.		3rd & 4th November 1919.									
	24 HOURS ENDED 9h G.M.T. 3rd							YESTERDAY.	TO-DAY.			Stations. Sunrise. Noon. Sunset.									
Greenwich (Royal Observatory)	O.C.	O.R	O.R	47	35	33	2	2.6	74	88	Vertical Component of Solar Radiation per Square Centimetre during yesterday.	Yarmouth...	{	G.M.T.	G.M.T.	G.M.T.					
City (Bunhill Row)	*	*	*	*	*	*	2	2.2	62	88											
Westminster (St. James's Park)	*	*	*	46	36	34	3	1.8	62	88											
" (Admiralty Arch)	cmg.bc	bc.o	o2.dorm	47	36	32	2	1.8	84	81											
Camden Sq. (British Rainfall)	-	-	*	47	35	32	3	2.1	-	92											
Kensington Palace	o	o.b.c	*	45	34	34	3	*	80(8h)	92	Total ... 267	{	Greenwich	{	G.M.T.	G.M.T.	G.M.T.				
										Average Rate. 7.8											
										Maximum Rate. 28											
										Milliwatts.											

NOTES ON THE WEATHER OF YESTERDAY.

Rain fell generally except at some western stations, amounting to 6mm at Stornoway and 5mm at several stations in the east of England. Sunshine records were poor except in the southwest; the best records being 8.3hrs at Valencia, 6.3hrs at Falmouth and 6.2hrs at Pembroke and Penzance. Temperature remained below 50° except at Penzance and failed to exceed 40° at Capel.

† Air Ministry Station.

* Information for these columns not usually received.



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

No 21166B TUESDAY, 4TH NOVEMBER, 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 19H.																												
STATIONS	BAROM.	Change	WIND.		Weather	TEMP.	HUMIDITY.	VISIBILITY.	Height	Low Cloud.		Upper Cloud.		Sea	BAROM.	Change	WIND.		Weather	TEMP.	HUMIDITY.	VISIBILITY.	Height	Low Cloud.		Upper Cloud.		Sea
	at	in 3	Dir.	Force		°F.	%	0-10.	Feet.	Form.	Amt.	Form.	Amt.		at	in 3	Dir.	Force		%	0-10.	Feet.	Form.	Amt.	Form.	Amt.		
	M.S.L.	hours.	0-12.	0-10.		0-10.	0-10.	0-10.	0-9.	M.S.L.	hours.	0-12.	0-10.		0-10.	0-9.												
13H. G.M.T. OF 3.30														18H. G.M.T. OF 3.30														
†Houton B. (Orkney)	1020.7	-3	NE	5	ors.p	38	87	7	12-2000	Nb	8	ci.st	1	*	1019.8	-2	NE	4	cd	37	85	7	-	Sc Cu	1	A.Sc.	7	*
†Eskdalemuir ...	1021.6	-2	NNE	2	0	45	92	8	12-2000	Sc	9	-	-	*	1019.1	-2	NNE	1	cd	39	97	-	3-4000	Sc Cu	7	-	-	*
†Stranraer ...	1017.6	-1	NE	4	b	40	65	8	2-3000	cu	2	A.Cu	1	3	1015.9	-1	ENE	4	bc	43	75	8	2-3000	cu	6	-	-	3
†Lough Foyle ...	1017.6	-1	NE	4	b	40	65	8	2-3000	cu	2	A.Cu	1	3	1015.9	-1	ENE	4	bc	43	75	8	2-3000	cu	6	-	-	3
†Valencia (Cahire'n)	1017.6	-1	NE	4	b	40	65	8	2-3000	cu	2	A.Cu	1	3	1015.9	-1	ENE	4	bc	43	75	8	2-3000	cu	6	-	-	3
†Anglesey (Llangefni)	1017.3	-2	NE	4	0	44	75	7	1-1500	Sc Cu	9	-	-	4	1016.1	-2	ENE	4	C	42	75	-	12-2000	Sc Cu	6	-	-	4
†Falmouth ...	1013.4	-4	NNE	3	om	45	85	4	-	Sc Cu	10	-	-	*	1012.5	-1	NNE	4	og	42	85	3	-	Sc	10	-	-	*
†Calshot (Hants) ...	1011.9	-1	NE	2	0	38	97	6	3-4000	Sc	10	-	-	*	1011.3	0	E	3	ors.	38	97	3	12-2000	Nb	10	-	-	4
†Capel (Folkestone)	1010.3	0	ESE	2	om	32	98	2	1-1000	Nb	10	-	-	1	1011.3	+1	E	3	ors.	32	97	3	12-1000	Nb	10	-	-	3
13H. G.M.T. OF 3.30														18H. G.M.T. OF 3.30														
Aberdeen ...	1024.8	-2	E	4	0	44	65	8	-	Sc Cu	9	-	-	4	1022.8	-2	ENE	6	opg	41	75	7	-	cu Nb	9	-	-	*
†East Fortune ...	1022.4	-2	NE	4	Cg	43	75	7	2-3000	Sc Cu	5	Fi Cu	2	*	1020.7	-2	ENE	4	op	40	87	-	3-4000	Nb	10	-	-	*
†Flamborough Hd.	1012.1	0	ENE	3	T, q	36	97	3	12-1500	Sc	9	-	-	*	1014.0	-2	E	5	od	40	92	6	12-2000	Sc	10	-	-	*
†Felixstowe ...	1012.1	0	ENE	3	T, q	36	97	3	12-1500	Sc	9	-	-	*	1012.3	0	NE	3	or	36	97	-	12-2000	Sc	9	-	-	5
†Cranwell (Lines)	1013.9	-2	NNE	2	or	40	97	6	1-1500	Nb	10	-	-	*	1013.7	0	NNE	4	or	36	97	4	1-1500	Nb	10	-	-	*
†Bedford ...	1012.9	0	ENE	2	or	36	92	3	-	Sc	10	-	-	*	1012.7	0	NE	1	od	35	97	4	1-1500	Sc	10	-	-	*
Benson ...	1011.4	-3	NNE	1	0	39	92	5	-	-	-	-	-	*	1011.4	0	NNE	2	0	34	97	5	-	Nb	9	-	-	*
London (Kew Ob.)	1011.5	-2	NE	3	od, m	38	87	4	2-3000	Sc Cu	7	A.Sc	3	*	1011.4	0	NE	2	od, m	36	92	4	2-3000	Sc Cu	9	A.Sc	1	*
13H. G.M.T. OF 3.30														18H. G.M.T. OF 3.30														
†Houton B. (Orkney)	1015.4	-3	NNE	4	oe	38	97	6	-	Sc	10	-	-	*	1013.2	-2	NE	3	0	38	92	7	12-2000	Nb	8	A.Sc	2	*
†Eskdalemuir ...	1015.4	-3	NNE	4	oe	38	97	6	-	Sc	10	-	-	*	1013.3	-2	NNE	2	0	40	98	5	2-3000	Sc	10	-	-	*
†Stranraer ...	1013.9	-2	-	0	bc	39	*	*	*	*	*	*	*	*	1010.6	-3	ENE	3	b	37	87	8	-	cu	1	ci	1	2
†Lough Foyle ...	1013.9	-2	-	0	bc	39	*	*	*	*	*	*	*	*	1010.6	-3	ENE	3	b	37	87	8	-	cu	1	ci	1	2
†Valencia (Cahire'n)	1013.9	-2	-	0	bc	39	*	*	*	*	*	*	*	*	1010.6	-3	ENE	3	b	37	87	8	-	cu	1	ci	1	2
†Anglesey (Llangefni)	1011.0	-1	NE	3	0	40	87	5	-	Sc C	9	-	-	*	1008.8	-1	NE	1	0	39	82	5	-	-	A.Cu	10	*	
†Falmouth ...	1011.0	0	NE	2	0	37	92	3	3-4000	Sc	10	-	-	4	1009.9	-1	E	2	or	37	82	2	12-2000	Sc	10	-	-	4
†Calshot (Hants) ...	1011.2	0	ESE	2	od	32	97	5	1-1000	Nb	10	-	-	2	1010.7	0	SE	2	om	34	98	3	12-2000	Sc Cu	10	-	-	1
†Capel (Folkestone)	1011.2	0	ESE	2	od	32	97	5	1-1000	Nb	10	-	-	2	1010.7	0	SE	2	om	34	98	3	12-2000	Sc Cu	10	-	-	1
Aberdeen ...	1022.0	-4	N	3	0	39	92	4	2-3000	Sc Cu	10	-	-	*	1017.1	-2	E	5	or	42	87	8	-	Nb	10	-	-	4
†East Fortune ...	1017.3	-4	NNE	4	T	41	92	-	1-1500	Nb	10	-	-	*	1014.1	-2	ENE	3	or	41	92	6	1-1500	Nb	10	-	-	*
†Flamborough Hd.	1012.0	-2	SE	3	sq	27	97	4	2-3000	C.Nb	9	-	-	3	1014.2	-3	E	4	0	40	65	6	12-2000	Sc	10	-	-	*
†Felixstowe ...	1012.0	-2	SE	3	sq	27	97	4	2-3000	C.Nb	9	-	-	3	1012.3	-2	W	3	om	33	98	2	12-2000	Sc	6	A.Sc	4	4
†Cranwell (Lines)	1012.4	-1	NE	1	S	33	97	3	2-3000	Nb	10	-	-	*	1011.5	-2	NNE	1	os	32	98	3	12-2000	Nb	10	-	-	*
†Bedford ...	1011.9	0	NE	2	as	33	97	4	1-1500	Sc	10	-	-	*	1010.8	-1	NE	2	os	32	98	3	-	Sc	10	-	-	*
Benson ...	1010.0	0	SE	1	od	36	*	*	*	*	*	*	*	*	1009.6	0	-	0	om	33	98	3	-	?	10	-	-	*
London ...	1010.0	0	SE	1	od	36	*	*	*	*	*	*	*	*	1010.3	0	SE	1	om	35	92	5	2-3000	Sc	8	A.Cu	2	*
STATIONS CONTRIBUTING REPORTS AT 7H AND 19H.																												
STATIONS	BAROM.	TEMP.	WIND.		Weather	BAROMETER.	TEMPERATURE.	WIND.		Direc. of Upper Cloud.	Weather	Sea	Rainfall	TEMP.		WEATHER.			Sunshine									
	at	°F.	Dir.	Force		at	Change	Temp.	Change					Dir.	Force	Max.	Min.	Morning.		Afternoon.	Night.							
	M.S.L.	°F.	0-12.	0-12.		M.S.L.	in 3 hours.	°F.	in 24 hours.			0-12.		0-12.	mm.	°F.	°F.	0-12.		0-12.	0-12.							
19H. G.M.T. OF 3.30														7H. G.M.T. OF 4.30														
Lerwick ...	1023.9	42	SW	2	om	1021.4	-1	42	+3	SSE	2	-	0	43	39	omd	omd	om	*									
Stornoway ...	1023.8	40	NE	1	b	1017.9	-2	39	-1	E	1	-	0	46	35	c	cb	bc.o	1.1									
Castlebay (Barra's)	1021.3	44	NE	3	0	1016.8	-3	42	-2	NE	3	-	0	48	41	oc	co	o	1.8									
Glasgow ...	1021.0	38	ENE	3	og	1014.6	-3	39	+1	ENE	3	-	or	42	37	od pco	codpc	o.c.or	1.4									
Malin Head ...	1018.9	44	ENE	4	0	1012.9	-3	44	-1	ESE	3	E	0	50	40	o	o	o	0.0									
Blackrod Point	1019.3	44	ESR	2	C	1013.3	-3	42	-2	ENE	2	-	bc	44	39	bc v	cy	bc.ow	*									
Roche's Point...	1015.1	42	NE	2	0	1010.8	-2	36	-4	NE	1	-	b	47	36	o	o	o.b.c.w	*									
Birr Castle ...	1017.2	39	NE	1	C	1011.7	*	35	-3	E	1	-	0	48	35	c.o.c	c.o.c	c.o	0.6									
Donaghadee ...	1018.8	44	E	5	cg	1013.3	-5	44	0	E	4	-	0	46	?	cg	cg	cmq	*									
Liverpool (Bidston)	1014.7	44	NE	3	om	1011.0	-2	36	-2	ENE	2	-	og	44	36	om	om	od	0.4									
Holyhead ...	1015.4	44	ENE	5	C	1010.2	-2	42	-2	ENE	4	-	omg	46	40	bc	C	c.op.o	0.0									
Pembroke (St. Ann's Head)	1013.9	43	NE	3	om	1009.8	-2	40	0	NE	2	-	ogm	45	39	co	o	cm.om	0.0									
Scilly (St. Mary's)	1013.5	44	E	2	cop	1008.4	-2	45	+3	ESE	2	-	om	48	42	c	cop	om	1.0									
Jersey (St. Aubin)	1016.0	42	N	3	0	1008.5	0	39	-3	N	2	N	C	44	35	opog	opdo	C	0.0									
Portland Bill ...	1011.3	42	N	3	op	1008.9	-1	38	-2	NE	3	-	0	42	35	op	o	o	*									
Dungeness ...	1010.6	35	SE	3	0	1009.7	-1	37	0	E	2	E	C	44	34	cro	ops o	o.o.c	*									
Wick ...	1023.6	43	E	3	om	1017.8	-3	44	0	SE	4	-	om	45	37	cmf	comp	om.omp	*									
Nairn ...	1023.1	38	-	-	0	1017.1	*	25	0	-	0	-	dgc	41	32	cg	cg o	o.cq	1.3									
Leith ...	1019.8	43	NE	4	0	1013.7	-2	42	0	E	1	-	0	45	40	ogop.c	c.op.o	ogq.de	*									
Fynemouth ...	1017.9	42	E	6	om	1012.0	-2	43	0	SSE	2	-	omp	44	40	op	orgm	omp	*									
Spurn Head ...	1013.5	40	E	4	om	1010.8	-3	39	-2	SE	3	-	or	43	35	ogt	ogt	on	*									
Yarmouth (Gorleston)	1012.7	38	ESE	5	0	1011.6	-3	40	+2	SE	4	-	og	40	34	ogp	ogm	ogd.or	0.0									
Clacton-on-Sea	1011.3	36	NE	4	0	1010.3	0	34	-3	NW	2	-	og	38	33	ogts	ogp	ogpd	0.0									
Nottingham ...	1013.3	38	NE	2	od	1010.7	*	33																				

† Air Ministry Station.

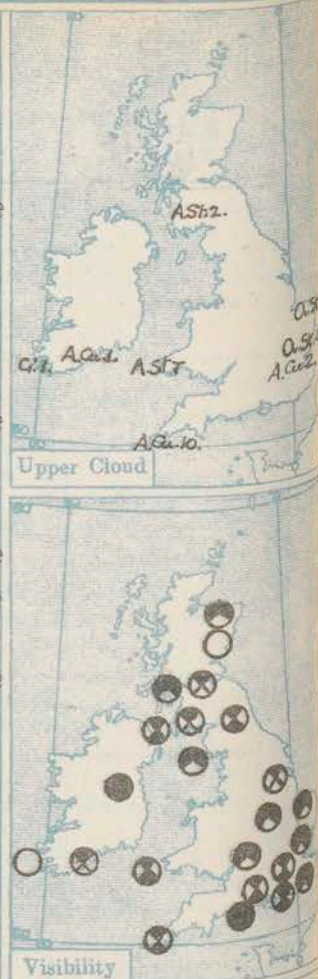
* Information for these columns not usually received.

The barometric change is expressed in half millibars.

§ Longside † at 1h.

SUMMARY OF CONDITIONS AT 7 A.M. Tuesday, 4th November, 1919.

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	NE-SE 2-5	v. cold	Cloudy or dull, local mist.	poor	slight
2. E. England	Var. 2-15	"	Dull, local sleet & snow	"	moderate
3. E. Midlands	NE 0-2	"	Dull, local snow & mist	"	---
4. W. Midlands	E 0-5	"	Dull	---	---
5. S.W. England	NE-SE 2-10	"	Fair or dull; mist at Scilly	ord.	slight
6. South Wales	N-NE 5	"	Dull, local mist	indiff.	smooth
7. North Wales	ENE 5-15	Cold	Dull, local mist	poor	moderate
8. N.W. England	NE 5-10	Cold	Dull	poor	slight
9. N. Midlands	NE-E 2-10	Cold	Dull, local snow	---	---
10. N.E. England	E-S 5-15	r. cold	Dull, local rain and mist	ord.	moderate
11. E. Scotland	E 2-20	r. cold	Dull, rainy	var.	moderate
12. S.W. Scotland	N-NE 5-10	Moderate	Dull, local rain & mist	var.	slight
13. Isle of Man	NE-E 10-15	r. cold	Dull	indiff.	moderate
14. N. & N.W. Scotland	SE-E 5-15	Moderate	Dull, local mist	indiff.	slight
15. Hebrides	NE-E 2-10	r. cold	Dull	ord.	smooth
16. Orkneys and Shetlands	S-E 5-15	Moderate	Dull	ord.	smooth
17. N.W. Ireland	ENE 5	r. cold	Fair	ord.	smooth
18. N.E. Ireland	E-SE 10-15	Moderate	Dull, local squalls	fair	slight
19. S.E. Ireland	NE-E 2-5	Cold	Dull, local rain & mist	poor	slight
20. S.W. Ireland	N-E 2-10	v. cold	Fine	good	smooth



EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by arrow 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 small circles.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS.
 ○ clear sky. ○ sky & cloud. ○ sky & cloud. ○ sky & cloud.
 ○ overcast sky. ● rain falling.
 * snow. ▲ hail. = fog. = thunder.
SEA DISTURBANCE.—Rough High

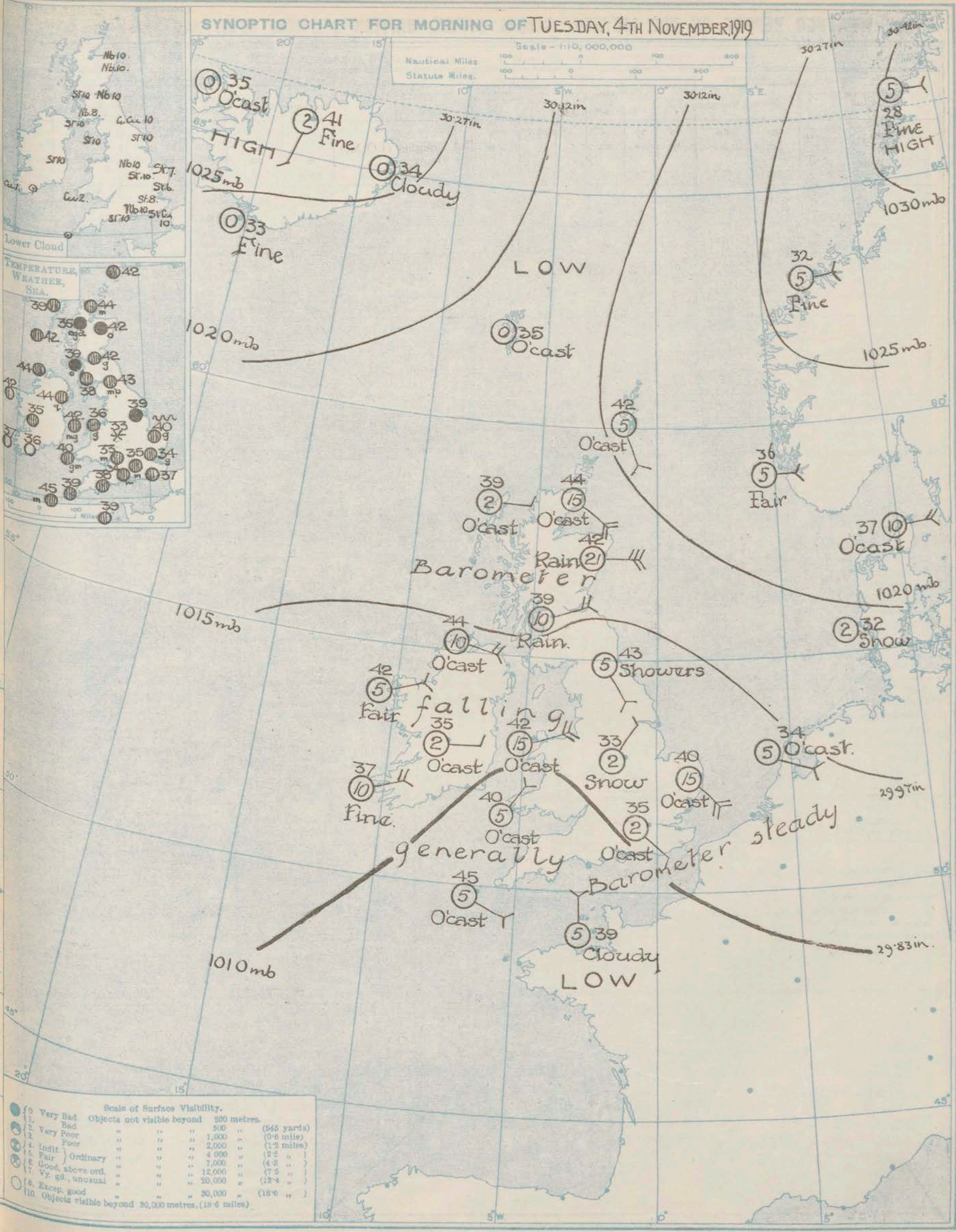
GENERAL INFERENCE from observations received up to 9 a.m.
 The shallow depression to the southwest of the British Isles is still expanding, and the barometer is falling over practically the whole Kingdom. Cold unsettled weather will continue, with winds from some easterly point.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Tuesday, 4th November, 1919.
1. S.E. England	Wind light and variable, mainly easterly or southeasterly.
2. E. England	Dull, some rain, sleet or snow. Mist locally. Very cold.
3. E. Midlands	
4. W. Midlands	
5. S.W. England	Light or moderate winds between SE and NE. Dull, rain or
6. South Wales	sleet at times. Mist locally. Cold.
7. North Wales	
8. N.W. England	
9. N. Midlands	Wind between E and SE, light or moderate. Dull, rain or
10. N.E. England	sleet at times. Cold.
11. E. Scotland	
12. S.W. Scotland	Same as districts 5 - 7
13. Isle of Man	
14. N. & N.W. Scotland	Same as districts 9 - 10
15. Hebrides	
16. Orkneys and Shetlands	
17. N.W. Ireland	Wind between north and east, light or moderate, perhaps
18. N.E. Ireland	SE tomorrow. Dull, rain at times. Cold.
19. S.E. Ireland	
20. S.W. Ireland	

Further Outlook.
 Dull and rainy weather will continue beyond the period of the forecasts.
 The tendency is towards a more southerly type, but temperature will remain low for the present.

SYNOPTIC CHART FOR MORNING OF TUESDAY, 4TH NOVEMBER, 1919

Scale - 1:10,000,000
Nautical Miles 100 0 100 200 300
Statute Miles 100 0 100 200 300



DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No 398 B

Tuesday
4th November

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 3rd																			
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 12h-1h.	Day. 1h-12h.	%	Sunrise to Sunset.			Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 12h-1h.	Day. 1h-12h.	%	Sunrise to Sunset.
Scotland.	Oban	o	co	45	37	-	-	-	1.0	England, N.W.	Douglas (I.O.M.)								
	Banff	bc	o	49	34	0.2	-	-	2.4		Blackpool	o	co	46	36	-	-	-	0.7
	Montrose										Southport	oco	o	44	33	-	-	-	0.1
	St. Andrews	pd	p	44	39	1	0.3	-	0.3										
England, N.E.	Harrogate	or	ov	41	35	1	1	-	0.1	Midlands.	Buxton	ber.c.r	ber.c.r	39	34	0.4	1	-	0.0
	Skegness	oc	oc	43	38	4	2	-	0.0		Leamington Spa ...	p	p	43	37	3	3	-	0.0
	Scarboro	-	-	?	?	0.2	3	-	0.3		Ross-on-Wye	mo.c.r	or	41	37	1	3	-	0.0
England, E.	Felixstowe	og.q.r	og.q.p	38	35	6	1	-	0.0	Wales.	Rhyl	oc	o	45	39	-	-	-	0.3
	Walton-on-Naze...										Colwyn Bay			44	41	-	-	-	0.0
	Southend-on-Sea...	ors	ors	36	33	6	4	-	0.0		Llandudno	o	o	47	41	-	-	-	0.2
											Aberystwyth	oc	co	44	41	-	-	-	0.0
England, S.E.	Margate	o	og.s.r	38	35	2	0.2	-	0.0	England, S.W.	Weymouth	oc	oc	42	37	-	0.2	-	0.0
	Ramsgate	o	o	?	34	4	1	-	0.0		Teignmouth								
	Folkestone	sr.sp	rh.p.p	36	33	2	1	-	0.0		Torquay	o	od	42	40	-	0.2	-	0.0
	Hastings										Paignton	o	omp	42	39	-	Trace	-	0.0
	Eastbourne	o	oro	38	35	2	1	-	0.0		Penzance	o	co	49	39	2	-	-	0.5
	Brighton	op	rs.p.o	38	35	1	1	-	0.0		Newquay			45	37	-	-	-	0.0
	Worthing			40	35	0.1	-	-	0.0		Bude			44	38	-	-	-	0.0
	Littlehampton ...			47	36	-	-	-	0.0		Ilfracombe	op	op	45	42	-	1	-	0.0
	Bournemouth ...			42	36	0.1	0	-	0.0		Weston-s-Mare ...	ro	ro	42	39	-	1	-	0.0
											Tunbridge Wells ...	os.ro	os.ro	36	32	-	1	-	0.0

STATIONS.		SUMMARIES FOR PAST 24 HOURS.									BEAUFORT NOTATION.		THE BEAUFORT SCALE OF WIND FORCE.			
		WEATHER				Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass. ° F.	RAINFALL.				Sun. Hours.	No.	Limits of Velocity.	
		7h-12h.	12h-18h.	18h-3h.	3h-7h.				Day. 7h-12h.	Night. 12h-7h.					Statute miles per hour.	Metres per second.
†Houton Bay (Orkney)...		oc.r.s.p	or.s.p	co	o.or.o	40	35	33	1	1	0.4	b blue sky (not more than a quarter covered).	0	Less than 1	Less than 0.3	
Eskdalemuir ...		co.v	co.v		o	45	35	*	*	*	*	d drizzle, or fine rain.	1	1-3	0.3-1.5	
†Stranraer ...								*	*	*	*	e wet air without rain falling.	2	4-7	1.6-3.5	
†Lough Foyle ...								*	*	*	*	f fog.	3	8-12	5.4-5.4	
Valencia (Cahirveen) ...		bc.c	b.bc		bc.b	47	35	30	-	-	4.8	g gloom.	4	13-18	5.5-7.9	
												h hail.	5	19-24	8.6-10.7	
												i lightning.	6	25-31	10.8-13.3	
†Anglesey (Llangefni) ...		bc.g	o.g					*	*	*	*	m mist.	7	32-38	13.9-17.1	
Falmouth ...		o.o.z	o.o.z	o.o	o	46	38	34	-	-	0.0	o overcast sky.	8	39-46	17.2-20.7	
†Calshot (Hants) ...		o	co	o	o	42	35	*	*	*	*	p passing showers.	9	47-54	20.8-24.4	
†Capel (Folkestone)...		rs.	o.rs	o.p.rs	o.p.d.	34	31	*	*	*	*	q squalls.	10	55-63	24.5-23.4	
												r rain.	11	64-75	23.5-38.5	
												rs sleet, i.e., rain and snow together.	12	Above 75	33.0 or above	
Aberdeen ...		co.g	gc.pq	co.g.p		46	39	37	0.4	2	0.8	s snow.	Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.			
†East Fortune ...		co.g	pr.h	p ₂	p ₂	44	38	*	*	*	*	t thunder.	SYMBOLS—			
†Flamborough Head ...			q.p		oq	45	38	*	*	*	*	u ugly, threatening sky.	Aurora	☉	Solar halo ☉	
†Felixstowe ...		s.g	d.g	co.g	co.w			*	*	*	*	v unusual visibility.	Rime	☾	Lunar halo ☾	
†Cranwell (Lincs) ...		p	p.r	r.p.s	ps.	42	30	*	*	*	*	w dew.	Glazed frost	☉	Solar corona ☉	
†Bedford ...		omr	omp.d	rs.	oms.	40	31	*	*	*	*	x hoar frost.	Glazed roads	☉	Lunar corona ☉	
Benson ...		do	or			39	32	31	1	0.2	*	y dry air; humidity less than 60 per cent.				
London (Kew Obsy.) ...		odm	odm	om	odm	39	34	32	0.4	0.2	0.0	z dust haze; the turbid atmosphere of dry weather.				

LONDON. OBSERVATIONS	WEATHER.			Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass. ° F.	Rain- fall.	Sun- shine to Sunset.	HUMIDITY %		SOUTH KENSINGTON (Meteorological Office).	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.			
	Morning.	Afternoon.	Night.				mm.	Hours.	15 h. G.M.T.	9 h. G.M.T.					
	24 HOURS ENDED 9H G.M.T. 4 th							YESTERDAY.	TO-DAY.	4 th & 5 th November 1919.					
Greenwich (Royal Observatory)	o	o.c.d.	om	38	31	27	1	0.0	81	86	Vertical Component of Solar Radiation per Square Centimetre during yesterday.	Stations.	Sunrise.	Noon.	Sunset.
City (Bunhill Row)	*	*	*	*	*	*	*	0.0	*	*		G.M.T.	G.M.T.	G.M.T.	
Westminster (St. James's Park)	*	*	*	40	35	32	0.2	0.0	83	80		Yarmouth ... {	6.56	11.37	4.18
(Admiralty Arch)	odm	odm	odm.om	40	35	*	0.2	0.0	83	82		Greenwich {	6.58	11.37	4.16
Camden Sq. (British Rainfall)	o	o	*	39	31	28	1	0.0	87	89	Total 172 Joules.	Wick ... {	7.1	11.44	4.27
Kensington Palace	od	o	*	39	33	32	1	*	94 (82)	89			Milliwatts.	7.3	11.44	4.25
											Average Rate. 5.0	Valencia ... {	7.38	11.56	4.14
											Maximum Rate. 16		7.40	11.56	4.12
													7.13	12.25	5.7
													7.45	12.25	5.0

NOTES ON THE WEATHER OF YESTERDAY.

Rain fell generally in the south and east, but amounts were not large., the highest measurements being 8mm at Spurn Head, 7mm at Nottingham. Snow or sleet fell locally in southeast England and the Midlands, and at Eskdalemuir. There was little or no sunshine in England, but Valencia recorded 4.8hrs and a few Scottish stations about two hours. Temperature remained below 40° in southeast England, and reached 50° only at Malin Head, where the maximum occurred during the night.

No. 21,167B ... WEDNESDAY, 5TH NOVEMBER 1919.

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

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 15H.																													
STATIONS.	13H. G.M.T. OF 4 th														15H. G.M.T. OF 4 th														
	BAROM. at M.S.L. m.b.	Change in 3 hours.	WIND. Direc. Force 0-12.	Weather.	TEMP. °F.	HUMIDITY. %	VISIBILITY. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Amt. 0-10.	Upper Cloud. Form.	Amt. 0-10.	Sea. 0-9.	BAROM. at M.S.L. m.b.	Change in 3 hours.	WIND. Direc. Force 0-12.	Weather.	TEMP. °F.	HUMIDITY. %	VISIBILITY. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Amt. 0-10.	Upper Cloud. Form.	Amt. 0-10.	Sea. 0-9.			
Houton B. (Orkney)	1010.7	-3	NE 3	OT	40	87	5	1½-2000	Nb	10	-	-	*	1010.7	0	NE 2	od	35	92	5	-	Nb	10	-	-	*			
Eskdalemuir	1010.3	-2	- 0	0	44	98	4	1½-2000	ST	10	-	-	*	1009.9	0	- 0	od	40	98	8	1½-2000	Nb	10	-	-	*			
Stranraer	1007.8	-4	ENE 4	b	45	75	8	2-3000	Cu	1	-	-	3	1006.7	0	ENE 1	b	40	82	8	2-3000	Cu	2	-	-	2			
Lough Foyle	1009.5	-3	ENE 3	bc	42	75	6	2-3000	Cu	3	A.Cu	3	3	1009.4	+2	- 0	c	33	82	-	2-3000	Cu	8	-	-	3			
Valencia (Cahire'n)	1006.3	-4	NE 3	b3	45	65	4	-	Cu	2	-	-	*	1005.1	-1	NE 4	odm	43	98	3	-	Nb	10	-	-	*			
Anglesey (Llangefni)	1008.0	-1	W 2	om	35	92	2	2-3000	ST	10	-	-	4	1007.2	0	NE 1	or	38	92	2	1½-2000	ST	10	-	-	4			
Falmouth	1009.3	-3	S 4	oz	38	92	4	½-1000	Nb	10	-	-	3	1009.9	0	ESE 3	o	39	92	3	½-1000	ST	10	-	-	3			
Calshot (Hants)	1015.3	-2	E 5	OT	43	92	7	-	Nb	10	-	-	5	1014.2	0	E 6	ogt	43	92	7	-	Nb	10	-	-	5			
Capel (Folkestone)	1011.9	-2	ENE 4	o	43	?	6	2-2000	Nb	9	-	-	*	1010.9	-1	SE 1	o	40	92	-	2-3000	S.Cu	8	-	-	*			
Aberdeen	1009.0	-3	ESE 3	OT	49	82	7	1-1500	ST	10	-	-	*	1009.5	+1	SSW 2	o	39	87	6	2-3000	ST	7	A.Sr	3	*			
East Fortune	1011.1	-1	- 0	of	39	82	2	1-1500	ST	10	-	-	3	1011.1	+1	SE 3	om	43	87	3	1½-2000	S.Cu	10	-	-	3			
Flamboro' Head	1010.1	-1	W 1	os	33	98	3	½-1000	Nb	10	-	-	*	1010.3	+2	ESE 1	o	36	97	4	1½-2000	ST	6	A.Sr	3	*			
Felixstowe	1010.2	-2	ESE 1	om	36	87	4	3-1000	ST	10	-	-	*	1010.2	+1	E 2	om	35	92	3	3-1000	ST	10	-	-	*			
Cranwell (Lincs)	1008.4	-3	NE 1	om	36	92	3	-	-	-	-	-	*	1008.7	0	SSE 1	o	34	97	3	-	Cu	10	-	-	*			
Bedford	1009.2	-3	E 1	om	37	87	2	-	ST	10	-	-	*	1008.7	0	E 2	f	39	87	0	-	-	-	-	*				
Benson																													
London (Kew Ob.)																													
STATIONS.	1H. G.M.T. OF 5 th														7H. G.M.T. OF 5 th														
	BAROM. at M.S.L. m.b.	Change in 3 hours.	WIND. Direc. Force 0-12.	Weather.	TEMP. °F.	HUMIDITY. %	VISIBILITY. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Amt. 0-10.	Upper Cloud. Form.	Amt. 0-10.	Sea. 0-9.	BAROM. at M.S.L. m.b.	Change in 3 hours.	WIND. Direc. Force 0-12.	Weather.	TEMP. °F.	HUMIDITY. %	VISIBILITY. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Amt. 0-10.	Upper Cloud. Form.	Amt. 0-10.	Sea. 0-9.			
Houton B. (Orkney)	1010.5	0	ENE 2	om	35	92	3	1-1500	Nb	9	A.Sr	2	*	1010.9	0	NE 3	om	33	87	4	1-1500	Nb	8	A.Sr	2	*			
Eskdalemuir	1009.0	0	E 1	od	37	97	-	1½-2000	Nb	10	-	-	*	1007.6	+1	E 2	OT	36	98	2	1½-2000	ST	10	-	-	*			
Stranraer	1006.0	0	ENE 2	bc	38	*	*	*	*	*	*	*	*	1005.3	0	E 3	b	37	82	7	-	-	-	-	-	2			
Lough Foyle	1009.7	+1	- 0	bc	26	75	-	2-3000	ST	5	-	-	3	1006.8	0	- 0	o	37	82	3	2-3000	ST	10	-	-	3			
Valencia (Cahire'n)	1002.1	-4	NE 4	o	43	92	4	-	S.Cu	9	-	-	*	1000.5	-1	NE 5	og	44	82	6	-	Cu.Nb	10	-	-	*			
Anglesey (Llangefni)	1006.1	-1	E 3	o	42	87	6	1½-2000	ST	10	-	-	4	1004.6	-1	E 3	OT	40	92	5	4500	Nb	10	-	-	6			
Falmouth	1009.2	-1	SNE 4	o	37	92	5	-	-	-	A.Sr	10	3	1006.9	-3	E 5	oz	37	92	4	½-1000	ST	10	-	-	4			
Calshot (Hants)	1013.5	-1	ESE 4	OT	40	92	4	1-1500	Nb	10	-	-	*	1013.4	0	SE 4	OT	42	87	7	-	Nb	10	-	-	5			
Capel (Folkestone)	1011.2	0	E 2	OT	39	97	-	1½-2000	Nb	10	-	-	*	1011.0	+1	- 0	c	37	87	4	3-4000	ST.Cu	4	A.Cu	3	*			
Aberdeen	1009.7	+1	- 0	o	39	87	5	3-4000	S.Cu	7	A.Sr	3	*	1009.3	0	ESE 3	od	42	92	5	2-3000	ST	7	A.Sr	3	*			
East Fortune	1008.8	-2	E 5	o	33	75	4	1½-2000	ST	10	-	-	4	1008.8	-3	E 5	o	33	75	4	1½-2000	ST	10	-	-	4			
Flamboro' Head	1010.7	0	E 1	o	36	97	4	1½-2000	ST	10	-	-	*	1009.1	0	ENE 1	o	38	98	4	2-3000	ST	6	A.Sr	4	*			
Felixstowe	1009.1	0	ESE 2	of	38	92	3	1½-2000	ST	10	-	-	*	1007.8	-1	ENE 2	oz	35	98	3	2-3000	ST	2	A.Sr	7	*			
Cranwell (Lincs)	*	*	*	*	*	*	*	*	*	*	*	*	*	1005.6	-1	ENE 3	o	39	87	4	-	ST	10	-	-	*			
Bedford	1007.5	0	E 3	c	41	*	*	*	*	*	*	*	*	1005.8	0	E 2	odm	40	87	4	1½-2000	Cu.Nb	5	A.Sr	5	*			
Benson																													
London																													
(M.O. at 1st)																													
STATIONS CONTRIBUTING REPORTS AT 7H AND 15H.																													
STATIONS.	BAROM. at M.S.L. m.b.	TEMP. °F.	WIND. Direc. Force 0-12.	Weather.	BAROMETER. at M.S.L. m.b.	TEMP. °F.	WIND. Direc. Force 0-12.	Weather.	SEA. 0-9.	RAINFALL. mm.	TEMP. °F. Max. Min.	WEATHER. Morning. Afternoon. Night.	SUNSHINE. Hours.																
	15H. G.M.T. of 4 th				7H. G.M.T. of 5 th				24 HOURS ENDED 7H. 5 th					4 th															
Lerwick	1021.5	41	ESE 3	om	1019.5	-1	42	0	E 2	-	c	1	0.3	43	33	odm	om	om	*										
Stornoway	1015.1	42	E 1	o	1013.2	0	42	+3	E 4	-	o	3	Trace	43	37	o.c	c.o	o	0.3										
Castlebary (Barra Is)	1012.4	45	NE 3	o	1009.8	-1	45	+3	NE 4	-	o	4	0.4	45	41	o	o	op.c	0.0										
Glasgow	1010.8	39	NE 3	og	1010.8	0	36	-3	E 2	SE	om	*	2	41	35	odp	odp	op.c.om	0.0										
Malm Head	1008.5	44	NE 4	o	1006.3	0	40	-4	SE 3	E	op	2	1	45	40	o	op	op	0.0										
Blacksod Point	1010.3	45	E 2	bc	1005.5	-1	41	-1	- 0	-	cm	1	1	45	34	bc	bc	bm.cm	*										
Roche's Point...	1007.7	42	NE 1	o	1005.6	0	37	+1	NE 1	-	b	2	-	46	34	6.o	o	o.bz	*										
Birr Castle	1008.7	43	NE 1	m	1005.9	*	35	0	NE 1	-	f	*	-	43	33	c2	oz	a.cf	0.0										
Donaghadee	1009.4	45	E 3	om	1008.8	0	42	-2	SE 3	-	om	3	12	46	38	og	ogm	opg.h	*										
Liverpool (Bidston)	1009.0	36	ESE 1	o	1007.4	-1	38	+2	ESE 3	-	om	3	-	40	34	c	om	om	0.0										
Holyhead	1008.0	40	E 4	bcu	1006.2	-1	38	-4	E 4	-	bm	3	Trace	44	33	op.cm	b.bcu	b.bxm	3.4										
Pembroke (St. Ann's Head)	1007.1	39	ENE 3	bc	1004.4	-1	39	-1	ENE 3	-	ogm	2	-	43	33	og	og	bc.bc.o	0.0										
Silly (St. Mary's)	1004.8	43	E 3	c	1000.2	-2	47	+2	E 4	NE	o	5	-	48	43	o.c	bc.c	c.om	5.2										
Jersey (St. Aubin)	1004.9	45	E 2	b	999.2	-1	43	+4	E 4	-	o	3	5	48	38	c	bc	op.o	2.2										
Portland Bill	1006.0	40	NE 4	o	1001.3	-1	43	+5	ENE 6	-	orq	5	2	48	35	o	o	orq	*										
Dungeness	1008.6	43	SE 3	c	1004.9	-2	39	+2	E 4	SE	c	3	1	44	36	c	op.c	c.cr.c	*										
Wick	1014.7	45	ESE 5	opm	1014.2	0	44	0	ESE 5	-	omp	5	6	45	40	opm	opm	omp.r	*										
Nairn	1014.0	40	E 1	o	1012.3	*	40	+5	E 1	-	dgo	1	1	42	35	od	cj.o	og	0.0										
Leith	1010.2	41	E 2	p	1010.4	0	38	-4	SSE 1	-	om	2	3	44	38	ogd	od.o	domo	*										
Tynemouth	1009.6	43	SE 3	om	1009.8	-1	38	-5	NNW 1	-	om	3	7	44	37	opm	opm	omp.om	*										
Spurn Head	1010.0	38	SSW 2	o	1009.3	0	45	+6	SSE 4	-	o	4	3	48	35	or	ot.o	o	*										
Yarmouth (Gorleston)	1010.4	40	S 1	m	1008.9	-3	44	+4	SE 5	-	ogm	5	Trace	44	37	ogm	ogm	og.ogm	0.0										
Clacton-on-Sea	1009.8	43	ESE 2	c	1007.0	-2	44	+10	ESE 5	-	og	4	-	44	33	cj.om	ogm.cm	og.c.og	0.0										
Nottingham	1009.5	35	SE 1	o	1008.1	*	38	+5	E 1	-	om	*	1	38	33	otsm	otsm	c.o	0.0										

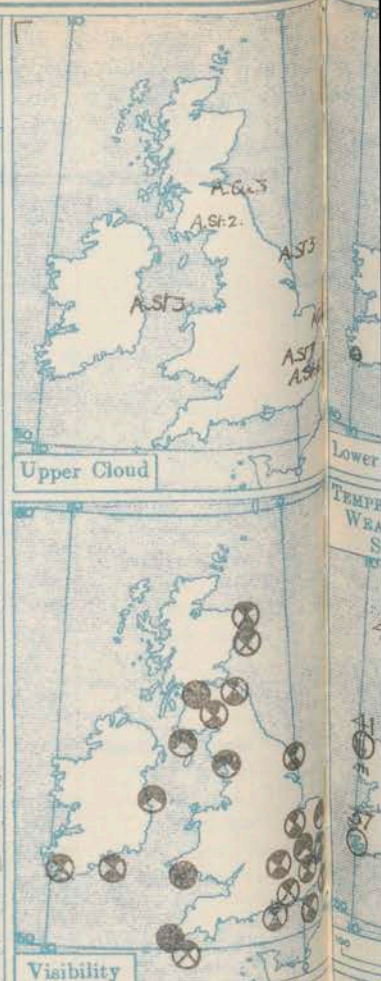
† Air Ministry Station.

* Information for these columns not usually received

The barometric change is expressed in half millibars. § Longside † at 1h.

SUMMARY OF CONDITIONS AT 7 A.M. Wednesday, 5th November, 1919.

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	NE-E 10-20	cold	Dull; local rain & mist	ord.	moderate
2. E. England	NE-SE 5-20	r. cold	Dull; local mist	indiff.	"
3. E. Midlands	NE-E 2-10	"	Dull; local mist	indiff.	---
4. W. Midlands	E-SE 5-10	"	Dull	---	---
5. S.W. England	NE-E 15-25	"	Dull, local mist, rain & squalls	var.	r. rough
6. South Wales	NE 10	cold	Dull; local mist.	bad	smooth
7. North Wales	E 10-15	"	Variable sky; local mist	poor.	slight
8. N.W. England	E 10	"	Dull; local mist	poor	slight
9. N. Midlands	E-SE 2-10	r. cold	Dull	---	---
10. N.E. England	E-S 2-15	"	Dull, local mist & drizzle	ord.	moderate
11. E. Scotland	E-S 0-15	"	Cloudy or dull, local rain	ord.	r. rough
12. S.W. Scotland	NE-E 5-10	"	Dull, misty, local rain	v. poor	slight
13. Isle of Man	E-SE 10	"	Dull, local mist	poor	slight
14. N. & N.W. Scotland	E-SE 15-20	Moderate	Dull, local showers & mist	indiff.	r. rough
15. Hebrides	NE-E 15	"	Dull	ord.	moderate
16. Orkneys and Shetlands	E 5-20	"	Cloudy or dull	ord.	slight
17. N.W. Ireland	Calm	Cold	Cloudy, local mist	indiff.	smooth
18. N.E. Ireland	SE 10	r. cold	Dull, local showers & mist	"	slight
19. S.E. Ireland	NE-E 2-10	Cold	Dull, local fog	v. poor	slight
20. S.W. Ireland	NE-E 2-10	v. cold	Fine	good	smooth



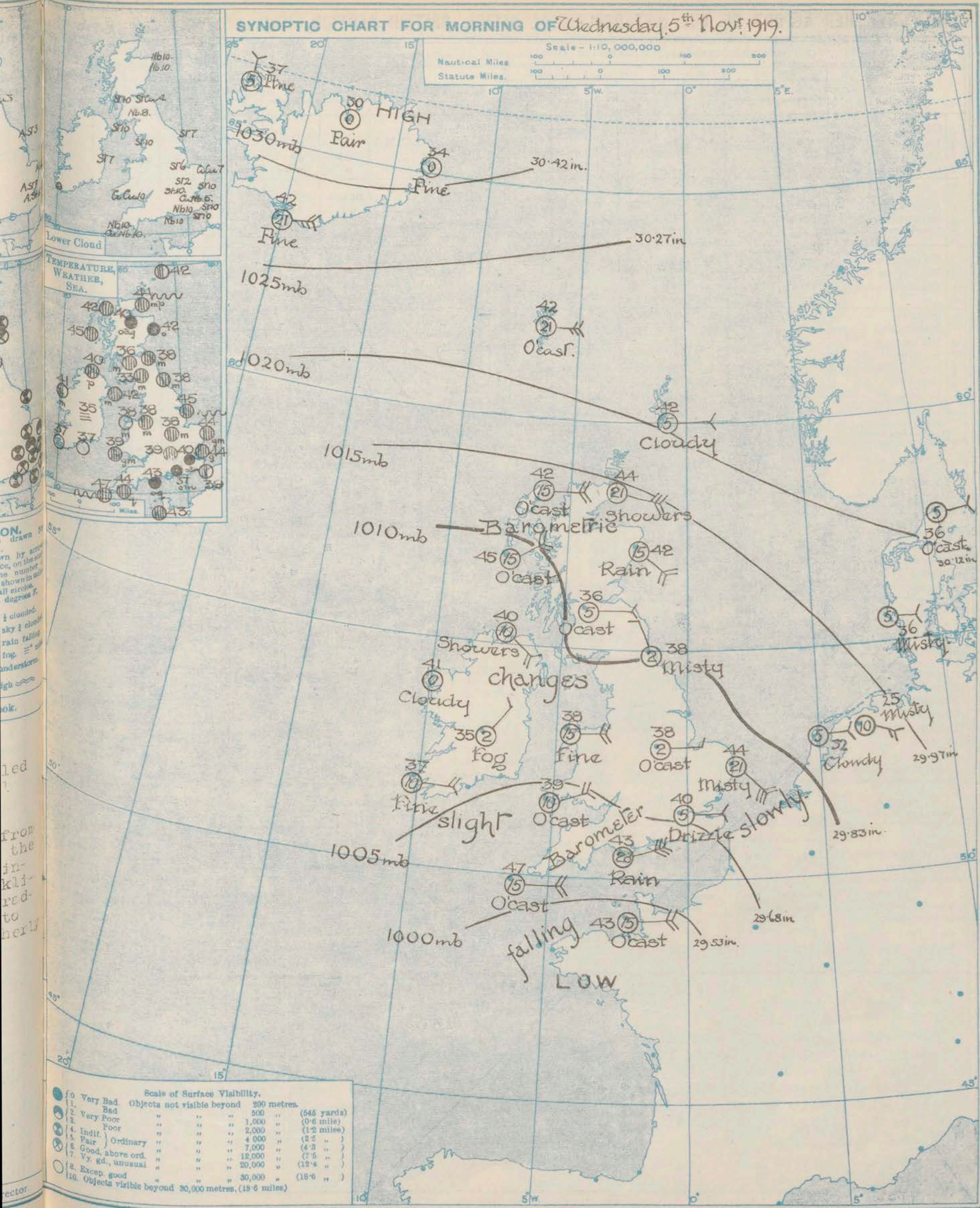
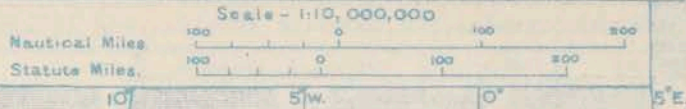
GENERAL INFERENCE from observations received up to 9 a.m.

The depression over the Bay of Biscay appears to be moving or spreading very slowly northeastward. Dull weather with cold east winds and some rain are likely to persist over Great Britain, and the fine weather in the south of Ireland is unlikely to last beyond today.

EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by arrow 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.—Isobars are drawn at intervals of five degrees.
WEATHER SYMBOLS.
 ○ clear sky. ○ sky & clouds.
 ○ sky & clouds. ○ sky & clouds.
 ○ overcast sky. ○ rain falling.
 * snow. * hail. = fog. =
 T thunder. T thunderstorm.
SEA DISTURBANCE.—
 Rough High

Districts.	Forecasts for the 24 hours commencing 3 p.m. Wednesday, 5th November, 1919.	Further Outlook.
1. S.E. England		
2. E. England	Wind between E and NE, moderate or fresh, strong locally.	Cold unsettled weather will continue.
3. E. Midlands	Dull, rain at times. Cold.	
4. W. Midlands		
5. S.W. England		
6. South Wales	Wind between E and NE, moderate or fresh, strong locally.	Reports from Iceland and the North Cape indicate a likelihood of a gradual change to a more northerly type.
7. North Wales	Dull, some showers. Cold.	
8. N.W. England		
9. N. Midlands	Moderate or fresh	
10. N.E. England	Wind between SE and E, backing somewhat later. Dull,	
11. E. Scotland	rain or sleet at times. Cold.	
12. S.W. Scotland	Same as districts 5-8	
13. Isle of Man		
14. N. & N.W. Scotland		
15. Hebrides	Fresh or strong easterly winds. Dull, some showers. Cold.	
16. Orkneys and Shetlands		
17. N.W. Ireland	Wind SE to NE, light or moderate. Cloudy some showers	
18. N.E. Ireland	Cold.	
19. S.E. Ireland	Wind between E and NE, light or moderate. Fair today, but cloudy tomorrow, probably with showers. Cold.	
20. S.W. Ireland		

SYNOPTIC CHART FOR MORNING OF Wednesday, 5th Nov^r 1919.



Scale of Surface Visibility.				
1.	Very Bad	Objects not visible beyond	200 metres.	
2.	Bad	"	500 "	(545 yards)
3.	Very Poor	"	1,000 "	(0.6 miles)
4.	Poor	"	2,000 "	(1.2 miles)
5.	Indif.	"	4,000 "	(2.5 ")
6.	Fair	Ordinary	7,000 "	(4.3 ")
7.	Good, above ord.	"	12,000 "	(7.5 ")
8.	Vy. gd., unusual	"	20,000 "	(12.4 ")
9.	Excep. good	"	30,000 "	(18.6 ")
10.	Objects visible beyond 30,000 metres. (18.6 miles)			

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 4th																			
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 12h-1h. 3rd.	Day. 12h-1h. 4th.	Sunrise to Sunset. 4th.	Forenoon.			Afternoon.	Max. °F.	Min. °F.	Night. 12h-1h. 3rd.	Day. 12h-1h. 4th.	Sunrise to Sunset. 4th.		
Scotland	Oban	-	-	44	32	-	0.1	0.0	England, N.W.	Douglas (I.O.M.)	-	-	-	-	-	-	-	-	
	Banff	r.o.	or	43	35	1	2	0.0		Blackpool	op	op	40	37	1	2.2	0.0		
	Montrose	-	-	-	-	-	-	-		Southport	o	o	39	37	-	-	0.0		
	St. Andrews	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-		
England, N.E.	Harrogate	orsp	op.	35	33	3	1	0.0	Midlands.	Buxton	bease	c.s.c	33	31	2	1	0.0		
	Skegness	orcm	o	38	34	2	2	0.0		Leamington Spa... ..	bc	bc	38	32	3	-	0.2		
	Scarboro?	-	-	?	?	4	1	0.0		Malvern	-	-	-	-	-	-	-		
	-	-	-	-	-	-	-	-		Ross-on-Wye	crc	cmbo	38	30	0.2	-	0.7		
England, E.	Felixstowe	og'm	og'm	41	34	0.4	-	0.0	Wales.	Rhyl	o	c	41	34	1	-	0.4		
	Walton-on-Naze... ..	-	-	-	-	-	-	-		Colwyn Bay	-	-	40	36	0.4	-	0.0		
	Southend-on-Sea... ..	om	o	41	33	1	-	0.0		Llandudno	bc	bc	44	34	1	-	2.5		
	-	-	-	-	-	-	-	-		Aberystwyth	occ	co	41	35	-	-	2.0		
England, S.E.	Margate	-	-	42	34	0.2	-	0.0	England, S.W.	Weymouth	ogo	oco	39	35	0.1	-	0.0		
	Ramsgate	o	o	41	33	-	-	0.0		Teignmouth	-	-	-	-	-	-	-		
	Folkestone	o	o	41	37	-	-	0.0		Torquay	o	o	40	36	-	-	0.0		
	Hastings	-	-	-	-	-	-	-		Paignton	o	odm	40	35	-	Trace	0.0		
	Eastbourne	o	oro	46	34	-	1	0.0		Penzance	obo	bbe	48	41	-	-	6.0		
	Brighton	omo	o	45	34	-	-	0.7		Newquay	ob	bvo	45	37	-	-	5.4		
	Worthing	o	cod	42	34	-	0.1	0.2		Bude	o	bc	43	36	-	-	4.2		
	Littlehampton	og	ogr	48	40	-	2	0.0		Ilfracombe	-	-	-	-	-	-	-		
	Bournemouth	-	-	39	34	-	-	0.3		Weston-s-Mare	bc	bc	40	34	0.4	-	2.5		
	Tunbridge Wells	oro	odomo	40	30	0.2	0.3	0.0		-	-	-	-	-	-	-	-		
	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-		

STATIONS.		SUMMARIES FOR PAST 24 HOURS.										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.			
		WEATHER					Max. Temp. °F.	Min. Temp. °F.	Min. on Grass °F.	RAINFALL.					Sun. Hours.	Limits of Velocity.		
		7h-12h. 4th.	12h-1h. 5th.	1h-7h. 5th.	Day. 7h-12h.	Night. 1h-7h.				No.	Statute miles per hour.					Metres per second.		
†Houton Bay (Orkney)...		o	orad	odmom	mo	40	33	32	2	1	0.0	*	*	*	0	Less than 1	Less than 0.3	
Eskdalemuir ...		o	orad	odmom	mo	40	33	32	2	1	0.0	*	*	*	1	1-8	0.3-1.5	
†Stranraer ...		o	opa	opdo	o	44	34	*	*	*	*	*	*	*	2	4-7	1.6-3.3	
†Lough Foyle ...								*	*	*	*	*	*	*	3	8-12	3.4-5.4	
Valencia (Cahirciveen) ...		b	b	bc.c.b		46	36	32	-	-	7.4				4	13-18	5.5-7.9	
†Anglesey (Llangefni) ...		bc.cz	bccz	bccz	bc.c.c.o	44	25	*	*	*	*	*	*	*	5	19-24	8.0-10.7	
Falmouth ...		oz.bcz	bczdn	dmemo	odq	47	38	39	-	Trace	4.6				6	25-31	10.8-13.8	
†Calshot (Hants) ...		om	co	z.	b.op	47	35	*	*	*	*	*	*	*	7	32-38	13.9-17.1	
†Capel (Folkestone)...		ou	ompd	bo	oefz	40	33	*	*	*	*	*	*	*	8	39-46	17.2-20.7	
Aberdeen ...		ogr	ogr	ogr	ogr	43	41	39	6	3	0.0	*	*	*	9	47-54	20.8-24.4	
†East Fortune ...		opd.	oth.	co.ps	c.o	43	37	*	*	*	*	*	*	*	10	55-63	24.5-28.4	
†Flamboro' Head...		ors.	ors	o	omd	43	36	*	*	*	*	*	*	*	11	64-75	28.5-33.5	
†Felixstowe ...		om ₂ of ₁	ofi	oz	oz	43	31	*	*	*	*	*	*	*	12	Above 75	33.6 or above	
†Cranwell (Lincs) ...		oms.	ps.o	o.om.	om.v	38	31	*	*	*	*	*	*	*	Suffixes 0.1 and 2 attached to Beaufort letters signify intensity, 0 = slight, 2 = heavy. Underlining is used to express continuity.			
†Bedford ...		omps.	ompd	of.pd	z	-	-	*	*	*	*	*	*					
Benson ...		om	os					*	*	*	*	*	*	SYMBOLS— Aurora ☄ Solar halo ☄ Rime ❄ Lunar halo ☾ Glazed frost ☄ Solar corona ☄ Glazed roads ☄ Lunar corona ☄				
London (Kew Obsy.) ...		om.m.odm	ocm					*	*	*	*	*	*					

LONDON. OBSERVATIONS.	WEATHER.			Max. Temp.	Min. Temp.	Wind, on Glass.	Rain- fall.	Sun- shine to Sunset.	HUMIDITY %		SOUTH KENSINGTON (Meteorological Office).	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.			
	Morning	Afternoon	Night	° F.	° F.	° F.	mm.	Hours.	15 h. G.M.T.	24 h. G.M.T.		5th & 6th November, 1919.			
	24 HOURS ENDED 9h G.M.T. 5th								YESTERDAY.			TODAY.		Stations.	Sunrise.	Noon.	Sunset.
Greenwich (Royal Observatory)	os.	od	od	40	34	30	1	0.0	86	80	Vertical Component of Solar Radiation per Square Centimetre during yesterday.	G.M.T.	G.M.T.	G.M.T.	
City (Bunhill Row)	*	*	*	*	*	*	*	0.0	*	*					
Westminster (St. James's Park)	*	*	*	42	35	34	0.4	0.0	86	76	Total joules.	Yarmouth ... {	6.58	11.37	4.16
Admiralty Arch	om.ogm	om	omd.op	42	35	*	0.3	0.0	91	85						Greenwich {	6.59	11.37	4.15
Camden Sq. (British Rainfall)	ogm	og	*	41	34	31	1	0.0	82	82	Wick ... {	7.40	11.56	4.12	
Kensington Palace	f	df	*	41	34	34	1	*	1st. 90	78					Valencia ... {	7.42	11.56	4.10
Average Rate. —											Maximum Rate. —	7.45	12.25	5.5	
															7.46	12.25	5.4

NOTES ON THE WEATHER OF YESTERDAY.

The day was cloudy or dull except in the southwest. Valencia recorded 7.4hrs of bright sunshine, Penzance 6hrs and a few other stations 5 hrs. The highest rainfall records were in the northeast (Aberdeen 9mm, Tynemouth 7mm etc) and at Donaghadee, where 12mm fell during the night, accompanied by hail. Slight snow or sleet fell in the Midlands and locally in the northeast. Temperature remained below 50° in all districts, below 40° in the Midlands; at Buxton the maximum was 33°; and at Harrogate 35°.



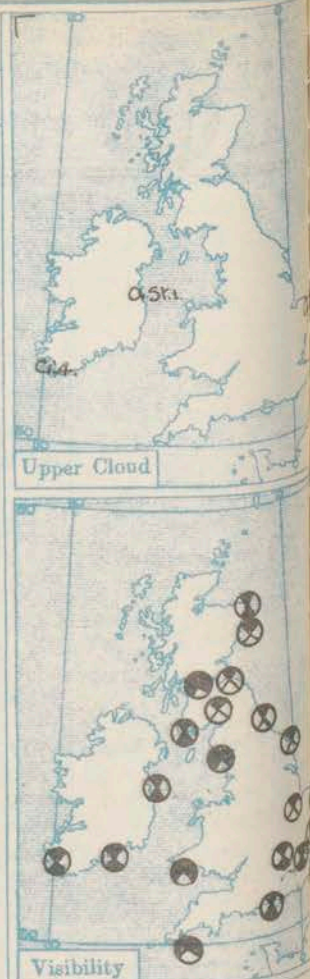
METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No 21,68.B .THURSDAY, 6TH. NOVEMBER 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.																																					
STATIONS.	BAROM.	†	WIND.		Weather.	TEMP.	Humidity.	Visibility.	Height	Low Cloud.		Upper Cloud.		Sea	BAROM.	†	WIND.		Weather.	TEMP.	Humidity.	Visibility.	Height	Low Cloud.		Upper Cloud.		Sea									
	at M.S.L.	Change	Dir.	Force		°F.	%	0-10.	Feet.	Form.	Amt.	Form.	Amt.		0-9.	m.b.	Change	Dir.		Force	°F.	%	0-10.	Feet.	Form.	Amt.	Form.		Amt.	0-9.							
	m.b.	in 3 hours.																													0-12.	0-10.	0-10.	0-10.	0-10.	0-9.	
13H. G.M.T. OF 5 th														18H. G.M.T. OF 5 th																							
†Houton B. (Orkney)	1009.4	-3.2	NNE	3	om	38	87	4	1½-2000	St.	7	A.Cu	3	*	1008.2	-1	N	2	ogm	38	92	3	1-1500	St	10	-	-	*									
†Eskdalemuir ...	1010.6	-1	E	3	od	41	98	0	1½-2000	Nb	10	-	-	*	1007.1	0	-	-	0	41	97	-	3-4000	St	10	-	-	*									
†Stranraer ...																																					
†Lough Foyle ...																																					
†Valencia (Cahire'n)	1004.0	-3	ENE	4	bz	43	65	6	-	-	-	-	-	2	1003.2	+1	NE	3	bz	39	82	6	-	-	-	-	-	2									
†Anglesey (Llangefni)	1005.3	-3	NNE	3	c	44	75	5	3-4000	St.Cu	5	A.Cu	3	3	1004.4	-2	N	3	0	41	92	1	1-1500	St.Cu	10	-	-	3									
†Falmouth ...	998.9	-2	NE	5	ogz	45	98	4	-	St.	10	-	-	*	997.6	-1	NNE	5	ome	44	94	2	-	St	10	-	-	*									
†Calshot (Hants) ...	1001.3	-2	E	2	od	40	87	4	1-1500	St.	10	-	-	4	1000.1	-1	E	1	0	45	92	2	2-3000	St	10	-	-	4									
†Capel (Folkestone)	?	-4	ENE	4	0	40	82	5	3-4000	St.	6	A.St	4	3	1001.5	-2	ENE	3	od	40	97	2	1½-2000	Nb	10	-	-	3									
Aberdeen ...	1012.6	-2	ESE	4	0	44	75	8	-	Nb	10	-	-	5	1011.4	-1	E	5	0	43	75	7	-	Cu/Nb	9	-	-	5									
†East Fortune ...	1010.1	-2	-	0	of	42	92	5	2-3000	St.Cu	9	-	-	*	1009.0	-1	ENE	2	od	40	92	9	2-3000	Nb	10	-	-	*									
†Flamboro' Head ...	1008.1	-2	E	3	be	45	75	6	1½-2000	Cu	4	C.St	2	*	1006.4	-2	ENE	3	od	42	87	6	1½-2000	St	6	ASr	4	*									
†Felixstowe ...	1005.3	-4	ENE	3	og	43	82	6	2-3000	St.Cu	10	-	-	4	1003.5	-2	NE	5	0	42	75	6	1½-2000	St.Cu	10	-	-	3									
†Cranwell (Lincs)	1007.2	-3	E	3	e	43	75	6	2-3000	St	5	A.St	2	*	1005.2	0	ENE	2	0	40	87	5	2-3000	Cu	7	ASr	3	*									
†Bedford ...	1005.0	-2	E	4	om	43	75	4	2-3000	St.	10	-	-	*																							
Benson ...	1002.5	-1	ENE	5	0	42	75	5	-	-	-	-	-	*	1001.6	-1	ENE	3	oss. q	39	92	5	-	Cu	10	-	-	*									
London (Kew Ob.)	1002.9	-4	E	5	om	43	82	4	1½-2000	St.Cu	9	A.St	1	*	1001.3	-2	ENE	3	om	42	82	2	2-3000	St.Cu	10	-	-	*									
1H. G.M.T. OF 6 th														7H. G.M.T. OF 6 th																							
†Houton B. (Orkney)	1005.9	-2	NE	3	0	36	92	6	-	St	10	-	-	*	1004.1	-1	NNE	3	om	36	92	6	1½-2000	St	10	-	-	*									
†Eskdalemuir ...														*	?	-3	NE	2	0	40	92	5	1½-2000	St	10	-	-	*									
†Stranraer ...														*																							
†Lough Foyle ...														*																							
†Valencia (Cahire'n)	1002.9	0	ENE	3	bc	39	*	*	*	*	*	*	*	*	1002.2	0	NE	2	bcz	36	92	5	-	St	2	Cu	4	0									
†Anglesey (Llangefni)	1003.2	-1	NE	4	0	40	82	-	1-1500	St	10	-	-	3																							
†Falmouth ...	997.0	-1	NE	3	oz	45	92	4	-	St.	10	-	-	*	997.1	0	NE	1	om	43	92	3	-	Nb	10	-	-	*									
†Calshot (Hants) ...	997.4	-2	E	2	0	41	97	4	<500	St	10	-	-	4	997.6	0	E	2	or	40	92	4	2-500	St	10	-	-	4									
†Capel (Folkestone)														*	994.2	-3	NE	6	0	42	92	4	1½-2000	St	10	-	-	5									
Aberdeen ...	1000.9	-2	SE	3	0	39	92	5	1-1500	St.	10	-	-	*	1007.1	-1	NNW	3	od	39	87	7	-	Nb	10	-	-	4									
†East Fortune ...	1006.6	-2	E	3	or	42	92	-	1½-2000	Nb	9	-	-	*	1004.6	-2	ENE	3	0	42	87	7	2-3000	St.Cu	10	-	-	*									
†Flamboro' Head ...	1002.3	-3	NNE	4	0	43	75	6	2-3000	St	7	A.St	3	*	999.4	-2	NNE	5	om	42	75	7	2-3000	St.Cu	10	-	-	*									
†Felixstowe ...	999.2	-4	NNE	4	0	41	92	6	1½-2000	St.	10	-	-	6	996.7	-2	NNE	4	0	41	87	6	1-1500	St	10	-	-	3									
†Cranwell (Lincs)	1002.0	-4	NNE	1	0	39	92	6	2-3000	St.	10	-	-	*	999.1	-2	NNE	2	0	40	92	6	2-3000	St	10	-	-	*									
†Bedford ...	1000.6	-3	NE	3	oz	38	87	3	2-3000	St.	5	A.St	5	*	998.5	-2	N	2	of	39	92	1	2-3000	St	10	-	-	*									
Benson ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	996.8	0	NNE	3	0	38	92	4	-	St	10	-	-	*									
London ...	997.7	-3	ENE	4	0	40	*	*	*	*	*	*	*	*	996.4	-1	NNE	3	om	39	92	4	1½-2000	St	10	-	-	*									
(M.O. at 1h)																																					
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.																																					
STATIONS.	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Dir.	Weather.	Sea	Rainfall	TEMP.		WEATHER.			Sunshine																
	at M.S.L.	°F.	Dir.	Force		m.b.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Dir.	Force					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.																	
	m.b.	°F.																				0-12.	0-12.														
18H. G.M.T. OF 5 th														7H. G.M.T. OF 6 th														24 HOURS ENDED 7H. OF 5 th									
Lerwick ...	1005.8	41	ESA	2	om	1010.7	-1	40	-2	NE	5	-	0	2	1	43	38	rkp	om	0	*																
Stornoway ...	1011.8	43	E	3	0	1008.8	-1	39	-3	E	2	-	bc	1	1	44	39	0	0	cp.bc	0.0																
Castlebay (Barras)	1008.8	45	NR	4	0	1006.7	0	45	0	NE	4	-	0	4	0.2	46	43	opo	opo	o.bep.o	0.3																
Glasgow ...	1008.9	40	ENE	3	ogm	1005.8	-1	37	+1	ENE	2	-	or	2	2	41	35	codpm	odpm	op	0.0																
Malin Head ...	1005.5	40	NE	1	omh	1003.2	0	44	+4	NE	4	-	om	2	11	45	38	cm	cmr	omr	0.4																
Blackod Point	1005.4	44	ENE	2	bc	1002.6	0	31	-10	-	0	-	bcm	1	-	45	28	bc	bc	bcm	*																
Roche's Point...	1002.6	39	NNE	2	c	1000.9	0	41	+4	NNE	2	-	0	2	-	47	35	bog	ogbz	b.om	*																
Birt Castle ...	1004.3	34	NE	1	m	1002.0	*	37	+2	NE	1	-	0	*	0.1	41	30	fx	cz	omz.o	0.9																
Donaghadee ...	1007.4	45	SE	5	omg	1004.5	-2	44	+2	E	5	-	omg	4	5	46	41	omph	omg	om.	*																
Liverpool (Bidston)	1004.7	41	E	3	omh	1000.9	-2	38	0	ENE	3	-	og	2	0.3	44	38	om	om	odm	0.0																
Holyhead ...	1003.7	43	E	6	ogm	1000.5	-1	44	+6	E	4	-	omg	3	-	45	36	bbeam	bcm	omg	2.7																
Pembroke (St. Ann's Head)	1001.3	42	NE	4	0	1000.1	0	41	+2	NE	2	-	0	2	-	43	38	omd	opad	o	2.3																
Scilly (St. Mary's)	998.0	46	E	4	md	997.4	0	46	-1	NE	3	NE	om	4	5	47	46	omr	of. cd	orm	0.0																
Jersey (St. Aubin)	995.5	48	ENE	3	bc	994.3	0	49	+6	NE	3	-	0	2	6	50	41	omr	of. cd	b.or.o	0.0																
Portland Bill ...	997.9	44	ENE	6	og	995.8	0	40	-3	NNE	5	-	og	5	1	44	38	orq	orq	opg	*																
Dungeness ...	999.8	43	ENE	4	0	993.6	-1	45	+6	NNE	4	NE	c	4	1	45	38	c	cps	ad.od.c	*																
Wick ...	1012.4	44	ESE	4	cm	1007.9	-2	42	-2	ENE	3	-	omd	3	3	45	38	omh	omh cm	c.omh	*																
Nairn ...	1011.0	40	-	-	0	1007.7	*	37	-3	-	0	-	cg	1	1	42	36	dgo	og	opg.c	0.0																

SUMMARY OF CONDITIONS AT 7 A.M. Thursday, 6th November, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	NNE. 10-20	R. cold	Dull, light local rain and mist.	Indiff.	Mod.
2. E. England	N-NE. 5-15	"	Dull, local mist.	Var.	Mod.
3. E. Midlands	NE. 5-10	"	Dull.	Ord.	-
4. W. Midlands	NE. 5-10	"	Dull.	-	-
5. S.W. England	NE. 5-15	Cold	Dull, local squalls, rain and mist.	Poor	Mod.
6. South Wales	N-NE. 5-10	"	Dull.	"	Smooth
7. North Wales	NE-E. 10-15	R. cold	Dull, gloomy, local mist.	Poor	Slight
8. N.W. England	NE. 10	"	Dull.	"	Smooth
9. N. Midlands	NE. 10	"	Dull.	-	-
10. N.E. England	NE-E. 15-20	"	Dull, local showers.	V. good	Mod.
11. E. Scotland	N-E. 0-15	"	Cloudy or dull, local drizzle	Good	Slight
12. S.W. Scotland	NE. 5-10	"	Dull, local mist and rain.	Ord.	"
13. Isle of Man	NE-E. 10-20	"	Dull.	Poor	"
14. N. & N.W. Scotland	NE-E. 5-10	"	Cloudy or dull, local mist and drizzle.	"	"
15. Hebrides	NE-E. 5-15	"	Fair or dull.	Ord.	"
16. Orkneys and Shetlands	NE. 15-20	"	Dull.	"	"
17. N.W. Ireland	Calm	V. cold	Fair, misty.	Poor	Smooth
18. N.E. Ireland	NE-E. 15-20	Mod.	Dull, misty, local squalls.	"	Slight
19. S.E. Ireland	N-NE. 2-5	R. cold	Dull.	"	"
20. S.W. Ireland	NE. 5	Cold	Fair or dull, local haze.	Ord.	Smooth



GENERAL INFERENCE from observations received up to 9 A.M.

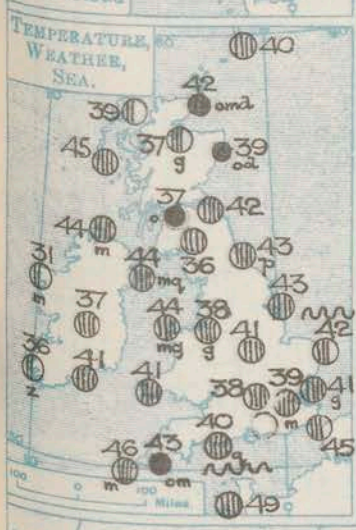
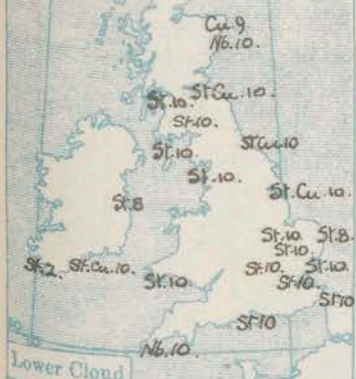
The depression over France is moving north-east, and will maintain cold unsettled weather generally, with some rain or sleet in the eastern districts.

EXPLANATION.
 BAROMETER.—Isobars are drawn at intervals of five millibars.
 WIND.—Direction is shown by an arrow flying with the wind. Force, on the Beaufort scale, is indicated by the number of feathers. Mean velocity is shown in feet per hour by figures in small circles.
 TEMPERATURE.—Temperature is given in degrees Fahrenheit.
 WEATHER SYMBOLS.—
 ☉ clear sky. ☁ sky & clouded. ☂ sky & rain. ☄ overcast sky. ☔ rain falling. * snow. ▲ hail. ☼ fog. T thunder. R thunderstorm.
 SEA DISTURBANCE.—Rough. High.

Districts.	Forecasts for the 24 hours commencing 3 p.m. 6th November, 1919	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind between N. and NE. moderate or fresh. Dull, Rain or sleet at times. Cold.	A cold unsettled N.E. type of weather will continue. Sleet is probable in the eastern and central districts, with snow on the higher ground.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Wind between N. and NE. moderate or fresh. Dull. Some showers. Cold.	
9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind between N. and NE. moderate or fresh, strong locally. Dull, some rain or sleet. Cold.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind between N. and NE. light or moderate, fresh locally. Cloudy or dull, some showers, fairer intervals in the west. Cold.	

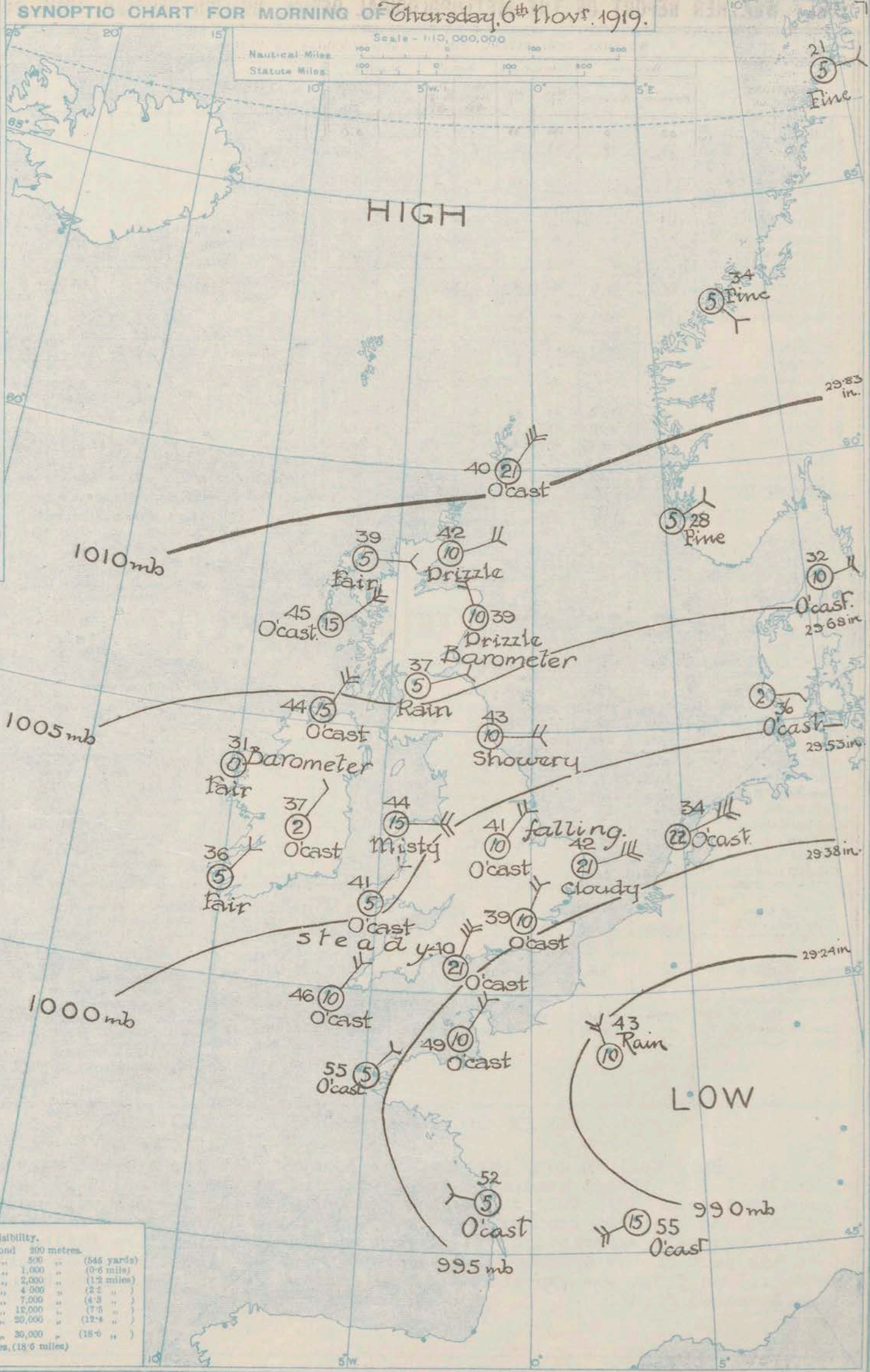
SYNOPTIC CHART FOR MORNING OF Thursday, 6th Novr. 1919.

Scale - 1:10,000,000
Nautical Miles 100 200 300
Statute Miles 100 200 300



Very Bad
Bad
Very Poor
Poor
Indif.
Fair
Good, above ord.
V. gd., unusual
Excep. good
Objects visible beyond 30,000 metres (18.6 miles)

Scale of Surface Visibility.	Objects not visible beyond	300 metres	500 "	1,000 "	2,000 "	4,000 "	7,000 "	12,000 "	20,000 "	30,000 "
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	"	"	"	"	"	"	"	"	"
10	Objects visible beyond	30,000 metres (18.6 miles)								



DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 310. B

Thursday
6th November

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 5 th																															
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.													
		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 15h-9h.	Day. 9h-15h.	Sunrise to Sunset.	Forenoon.			Afternoon.	Max. °F.	Min. °F.	Night. 15h-9h.	Day. 9h-15h.	Sunrise to Sunset.														
Scotland.	Oban	oc	o	44	38	-	-	0.0	England, N.W.	Douglas (I.O.M.)																					
	Banff	of	op	43	40	5	2	0.0		Blackpool	o	o	43	35	-	-	0.0														
	Montrose									Southport	o	o	43	35	-	-	0.0														
	St. Andrews	-	-	44	38	3	2	0.0																							
England, N.E.	Harrogate	op	o	39	33	0.2	1	0.0	Midlands.	Buxton																					
	Skegness	oc	c.o	46	37	1	1	1.5		Leamington Spa... ..	o	o	43	33	1	-	0.0														
	Scarboro'	-	-	-	-	3	0.4	0.0		Malvern																					
										Ross-on-Wye	emo	o	42	33	-	-	0.0														
England, E.	Felixstowe	ogq	ogq	44	41	-	-	0.1	Wales.	Rhyl	co	co	46	32	-	-	0.2														
	Walton-on-Naze...									Colwyn Bay	-	-	44	32	-	-	0.9														
	Southend-on-Sea...	op	od	44	34	-	0.1	0.0		Llandudno	og	o	45	33	-	-	0.5														
										Aberystwyth	oc	bc.o																			
England, S.E.	Margate	o	od	44	37	-	0.1	0.0	England, S.W.	Weymouth	ogpo	o	42	36	1	0.4	0.0														
	Ramsgate	o	o	43	39	-	-	0.0		Teignmouth																					
	Folkestone	o	o	43	37	Trace	-	0.0		Torquay	od	od	43	38	3	0.2	0.0														
	Hastings									Paignton	odg	odg	43	37	1	0.1	0.0														
	Eastbourne	oro	orod	47	39	2	2	0.0		Penzance	o	o	47	42	-	-	0.0														
	Brighton	oro	oro	42	38	2	2	0.0		Newquay	o	opo	45	39	-	Trace	0.0														
	Worthing	or	o	43	35	1	1	0.0		Bude	o	o	43	36	-	-	0.0														
	Littlehampton	or	o	48	40	2	-	0.0		Ilfracombe																					
	Bournemouth	-	-	40	35	1	0.4	0.0		Weston-s-Mare	orc	or	42	34	-	0.1	0.0														
	Tunbridge Wells	oro	oro	41	36	0.4	0.6	0.0																							
	SUMMARIES FOR PAST 24 HOURS.										BEAUFORT NOTATION.										THE BEAUFORT SCALE OF WIND FORCE.										
	STATIONS.		WEATHER				Max. Temp. °F.	Min. Temp. °F.		Min. on Grass °F.	RAINFALL.		Sun. Hours.	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 ngly, 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.			Limits of Velocity.														
7h-13h ^{5h}			13h-18h ^{5h}	18h-6h ^{6h}	1h-7h ^{6h}	Day. 7h-13h			Night. 18h-7h		No.	Statute miles per hour.					Metres per second.														
†Houton Bay (Orkney)...		om	ogmorm	omgoro	omro	38	33	34	-	0.4	0.0	*	*	*	*	0	Less than 1	Less than 0.3													
Eskdalemuir		om	ogmorm	omgoro	omro	38	33	34	-	0.4	0.0	*	*	*	*	1	1-3	0.3-1.5													
†Stranraer		opd.	com	o	c.o	42	37	*	*	*	*	*	*	*	*	2	4-7	1.5-5.8													
†Lough Foyle		opd.	com	o	c.o	42	37	*	*	*	*	*	*	*	*	3	8-12	5.4-5.4													
Valencia (Cahiriveen) ...		bz	bz	b.bcz	b.bcz	44	35	32	-	-	7.5	*	*	*	*	4	13-18	5.5-7.9													
†Anglesey (Llangefni) ...		c.o.c	o.bcc	op	o	46	42	28	-	Trace	0.0	*	*	*	*	5	19-24	8.0-10.7													
Falmouth		ogzq	omogm	ogoz	om	46	42	28	-	Trace	0.0	*	*	*	*	6	25-31	10.8-13.8													
†Calshot (Hants)		amd.	o	of	of	47	35	*	*	*	*	*	*	*	*	7	32-38	13.9-17.1													
†Capel (Folkestone)...		cpd.	opa	of	opa	42	36	*	*	*	*	*	*	*	*	8	39-46	17.2-20.7													
Aberdeen		oro	opco	c.opq	c.opq	44	38	36	6	3	0.0	*	*	*	*	9	47-54	20.8-24.4													
†East Fortune		f.pd.	o	opa	cp.	42	35	*	*	*	*	*	*	*	*	10	55-63	24.5-28.4													
†Flamboro' Head		c.opd.	opa	opa	ov	45	41	*	*	*	*	*	*	*	*	11	64-75	28.5-32.5													
†Felixstowe		o	co	o	o	-	-	*	*	*	*	*	*	*	*	12	Above 75	33.6 or above													
†Cranwell (Lincs)		c.om	c.o	c.o	o.c	44	37	*	*	*	*	*	*	*	*	Suffixes 0.1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.															
†Bedford		pd.	omq	omq	of	43	36	*	*	*	*	*	*	*	*	SYMBOLS—															
Benson		o	or	o	o	42	37	35	1	0.2	*	*	*	*	*	Aurora	☼	Solar halo													
London (Kew Obs.) ...		omdom	omp	om	om	44	38	37	1	Trace	0.0	*	*	*	*	Rime	☼	Lunar halo													
LONDON OBSERVATIONS.		WEATHER.				Max. Temp. °F.	Min. Temp. °F.	Min. on Grass °F.	Rain-fall.	Sun-shine to Sunset.	Humidity %		SOUTH KENSINGTON (Meteorological Office).		TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.																
Morning	Afternoon.	Night	Night	15 h. G.M.T.	9 h. G.M.T.																										
Greenwich (Royal Observatory)		o	od	od	43	38	37	Trace	0.0	81	84	Vertical Component of Solar Radiation per Square Centimetre during yesterday.		6 th & 7 th November 1919.																	
City (Bank) Row	*	*	*	*	*	*	*	*	0.0	*	*							Total..... Joules.													
Westminster (St. James's Park)	*	*	*	*	45	39	34	0.2	0.0	82	87	Average Rate. —		Stations.						Sunrise.	Noon.	Sunset.									
(Admiralty Arch)	ompq	omqd	om	om	45	39	*	0.2	0.0	84	87							G.M.T.				G.M.T.	G.M.T.								
Camden Sq. (British Rainfall)	o	o.or.o	*	*	46	38	38	Trace	0.0	83	87	Maximum Rate. —				Yarmouth... { 6.59 11.37 4.15 7.0 11.37 4.14 7.4 11.44 4.24 7.5 11.44 4.23															
Kensington Palace	or	o	*	*	44	37	37	1	*	86	87									Wick ... { 7.42 11.56 4.10 7.44 11.56 4.8 7.46 12.25 5.4 7.47 12.25 5.3											

NOTES ON THE WEATHER OF YESTERDAY.

Rain fell in many parts of the country, but the amounts were generally small. The highest measurements were 11 mm. at Malin Head, 9 mm. at Tynemouth and Aberdeen. Hail fell at Lerwick and Donaghadee. The day was sunless in many places and sunshine records were less than three hours except at Valencia, where 7.5 hours were experienced. Except at Jersey temperature failed to reach 50° in any part of the Kingdom, and remained below 40° locally in the north. In parts of Ireland frost was experienced, a minimum of 28° in the screen being registered at Blacksod Point.



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

No. 21,692 FRIDAY, 7TH NOVEMBER 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1h, 7h, 13h AND 19h.																												
STATIONS.	BAROM.	Change	WIND.		Weather.	TEMP.	Humidity.	Visibility.	Height of Low Cloud.	Low Cloud.		Upper Cloud.		Sea.	BAROM.	Change	WIND.		Weather.	TEMP.	Humidity.	Visibility.	Height of Low Cloud.	Low Cloud.		Upper Cloud.		Sea.
	at M.S.L. m.b.	in 3 hours.	Dir.	Force 0-12.		°F.	% 0-10.	0-10.	Feet.	Form.	Amt. 0-10.	Form.	Amt. 0-10.		0-9.	at M.S.L. m.b.	in 3 hours.	Dir.		Force 0-12.	°F.	% 0-10.	0-10.	Feet.	Form.	Amt. 0-10.	Form.		Amt. 0-10.	0-9.
6 TH G.M.T.														18 TH G.M.T. OF 6 TH														
†Houton B. (Orkney)	1002.3	-1	NNE	4	op	38	87	8	2-3000	Nb	10	-	-	*	1002.3	0	NNE	4	U.O.	35	92	8	1½-2000	Nb	7	Acu	2	*
Eskdalemuir ...	1002.3	0	NE	2	0	44	98	6	1½-2000	St	10	-	-	*	1002.3	0	-	-	0	41	92	-	1½-2000	St	10	-	-	*
†Stranraer ...	1002.0	0	NE	2	0	44	98	6	1½-2000	St	10	-	-	*	1002.0	0	-	-	0	41	92	-	1½-2000	St	10	-	-	*
†Lough Foyle ...	1002.1	0	E	3	bcz	46	75	6	3-4000	Cu	2	Acu	2	3	1002.1	+1	E	3	bc	47	82	7	-	-	-	Acu	6	2
Valencia (Cahire'n)	1002.1	0	E	3	bcz	46	75	6	3-4000	Cu	2	Acu	2	3	1002.1	+1	E	3	bc	47	82	7	-	-	-	Acu	6	2
†Anglesey (Llangafni)	1000.6	-1	ENE	4	0	44	75	7	2-3000	St	9	-	-	3	1001.2	0	ENE	3	oth	43	87	-	1-1500	St	10	-	-	3
Falmouth ...	998.0	0	E	2	02	45	82	3	-	St	10	-	-	*	998.6	0	NE	3	om	44	87	3	-	St	10	-	-	*
†Calshot (Hants) ...	999.8	+2	NE	1	om	43	82	3	1-1500	St	10	-	-	*	998.7	0	NNE	2	02	39	97	3	1-500	Nb	10	-	-	4
†Capel (Folkestone)	993.8	0	NNE	5	od	40	98	3	1½-2000	Nb	10	-	-	4	993.7	+3	N	5	od	41	97	0	>500	Nb	10	-	-	4
Aberdeen ...	1005.8	-1	NE	2	op	41	75	8	-	Nb	9	-	-	4	1005.0	-1	NNE	4	op	40	75	7	-	Nb	10	-	-	4
†East Fortune ...	1004.2	0	ENE	2	02	40	92	6	1½-2000	Nb	7	-	-	*	1003.6	0	NNE	4	02	41	82	-	1½-2000	St	9	-	-	*
†Flamboro' Hd. ...	999.0	-1	NNE	5	02	43	82	7	2-3000	St	10	-	-	*	999.2	0	NE	5	0	42	87	8	4-5000	St	7	AS	3	*
†Felixstowe ...	996.0	-1	NNW	3	02	30	98	1	1-1500	Cu	10	-	-	4	996.7	+1	NNW	3	02	30	97	1	1½-1000	Cu	10	-	-	4
†Cranwell (Lines)	998.6	-1	N	3	02	41	92	4	2-3000	St	10	-	-	*	998.3	+3	NNW	2	02	41	97	5	1½-2000	Nb	10	-	-	*
†Bedford ...	997.4	-1	N	1	od	41	92	1	1-1500	St	10	-	-	*	997.9	0	N	3	od	41	92	2	-	St	10	-	-	*
Benson ...	997.2	0	N	3	0	41	97	3	-	-	-	-	-	*	997.3	0	N	3	0	39	97	4	-	St	10	-	-	*
London (Kew Obs.)	996.3	-2	N	3	om	43	87	4	2-3000	St	7	AS	3	*	997.7	+2	N	3	om	43	87	4	2-3000	St	8	AS	2	*
1 TH G.M.T. OF 7 TH														7 TH G.M.T. OF 7 TH														
†Houton B. (Orkney)	1002.2	0	N	3	0	35	87	8	-	S.Cu	9	-	-	*	1002.9	0	NNE	4	0	34	87	6	1½-2000	St	10	-	-	*
Eskdalemuir ...	1002.0	0	-	0	0	39	97	-	2-3000	St	10	-	-	*	1002.9	0	-	0	0	36	98	3	1½-2000	St	9	-	-	*
†Stranraer ...	1002.0	0	-	0	0	39	97	-	2-3000	St	10	-	-	*	1002.9	0	-	0	0	36	98	3	1½-2000	St	9	-	-	*
†Lough Foyle ...	1002.2	0	-	0	bc	39	87	8	-	St	10	-	-	*	1003.1	0	NE	2	bc	28	98	7	-	St	10	-	-	2
Valencia (Cahire'n)	1002.2	0	-	0	bc	39	87	8	-	St	10	-	-	*	1003.1	0	NE	2	bc	28	98	7	-	St	10	-	-	2
†Anglesey (Llangafni)	1001.4	+1	E	3	0	41	92	-	1½-2000	S.Cu	10	-	-	3	1001.3	0	-	0	0	39	92	5	4-5000	St	10	-	-	3
Falmouth ...	999.6	0	NE	2	02	42	92	4	-	St	10	-	-	*	999.8	0	NNE	2	om	42	87	5	-	St	10	-	-	*
†Calshot (Hants) ...	999.9	+1	N	2	0	39	92	6	1-1500	St	10	-	-	4	999.3	0	NNE	2	0	40	92	4	1½-2000	St	10	-	-	4
†Capel (Folkestone)	997.4	+1	N	3	02	41	97	1	1½-2000	Nb	10	-	-	3	998.5	+1	N	2	02	41	98	0	1½-2000	Nb	10	-	-	2
Aberdeen ...	1003.4	-1	-	0	bc	34	87	5	-	St	9	-	-	*	1004.1	0	NNW	1	02	34	98	7	-	Nb	9	-	-	3
†East Fortune ...	1003.4	0	NNW	3	0	39	87	-	2-3000	S.Cu	9	-	-	*	1003.2	0	NNE	3	0	38	82	6	5-7000	St	9	-	-	*
†Flamboro' Hd. ...	999.0	0	NNW	3	02	43	97	3	2-3000	Nb	10	-	-	4	999.8	0	N	4	0	41	75	8	2-3000	Cu	5	AS	5	*
†Felixstowe ...	998.4	0	NW	2	02	43	97	3	2-3000	Nb	10	-	-	4	999.6	+1	N	2	0	42	98	5	1½-2000	St	10	-	-	2
†Cranwell (Lines)	1000.0	+2	NW	2	02	39	97	5	1½-2000	Nb	6	AS	4	*	999.7	+1	N	1	0	39	92	6	2-3000	St	7	AS	3	*
†Bedford ...	999.2	+1	N	2	02	40	92	2	1½-2000	St	10	-	-	*	999.7	0	NNE	2	od	41	92	3	1½-2000	St	10	-	-	*
Benson ...	997.2	0	N	3	0	41	97	3	-	-	-	-	-	*	999.2	+1	N	1	02	40	98	3	-	St	10	-	-	*
London (Kew Obs.)	997.6	0	NNW	1	0	43	87	4	2-3000	St	7	AS	3	*	999.2	0	NNE	1	om	42	92	4	1½-2000	St	10	-	-	*
STATIONS CONTRIBUTING REPORTS AT 7h AND 19h.																												
STATIONS.	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Dir.	Force 0-12.	Weather.	Sea.	Rainfall mm.	TEMP.		WEATHER.			Sunshine Hours.						
	at M.S.L. m.b.	°F.	Dir.	Force 0-12.		at M.S.L. m.b.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Dir.	Force 0-12.						Max. °F.	Min. °F.	Morning.	Afternoon.	Night.							
19 TH G.M.T. OF 6 TH										7 TH G.M.T. OF 7 TH										24 HOURS ENDED 7 TH 7 TH								
Lerwick ...	1008.7	41	NE	8	0	1007.4	0	39	-1	NE	6	E	om	41	37	0	0	omg	*									
Stornoway ...	1007.6	40	ENE	5	0	1006.4	0	35	-4	NE	4	-	bcpq	45	34	0	0	bcpq	6.8									
Castell Bay (Barras)	1005.8	44	NNE	4	0	1005.4	0	37	-8	NNW	3	N	bc	47	36	0	0	bc	3.1									
Glasgow ...	1004.5	39	NE	3	0	1004.0	0	36	-1	ENE	1	-	0	41	36	0	0	0	0.1									
Malin Head ...	1002.7	44	ENE	3	0	1002.2	0	38	-6	ENE	2	E	c	46	36	0	0	c	0.0									
Blackod Point ...	1003.3	45	E	1	bc	1002.3	0	39	+8	-	0	-	om	46	28	0	0	bc	*									
Roche's Point ...	1001.5	41	NNE	2	bc	1002.2	0	41	0	NNW	3	NW	bc	46	38	0	0	bc	*									
Birr Castle ...	1001.7	41	N	1	0	?	?	39	+11	N	1	-	0	46	37	0	0	0	4.8									
Donaghadee ...	1003.9	44	E	3	om	1003.8	0	42	-2	NE	1	-	om	45	42	0	0	om	*									
Liverpool (Bidston)	1000.4	39	NE	3	0	1001.0	+1	39	+1	NE	1	-	0	43	38	0	0	c	0.0									
Holyhead ...	1000.3	44	E	5	opw	1000.9	0	43	-1	NE	4	-	og	45	41	0	0	opw	0.0									
Pembroke (St. Mary's)	999.8	42	NE	2	0	1000.6	0	42	+1	NE	1	-	ogm	44	40	0	0	og	0.0									
Selly (St. Mary's)	999.5	46	NE	2	md	1000.2	+1	46	0	NNE	2	N	om	45	45	0	0	md	0.0									
Jersey (St. Aubin)	997.1	48	NE	2	0	998.3	0	47	-2	NE	1	-	oem	49	46	0	0	oem	0.0									
Portland Bill ...	997.3	43	N	2	0	997.8	+1	42	+2	NE	2	-	0	44	40	0	0	0	*									
Dunghess ...	995.6	43	N	3	om	997.7	+1	42	-3	NNW	2	-	0	45	41	0	0	om	*									
Wick ...	1005.5	42	NNE	5	0	1003.2	0	40	-2	NNE	4	-	c	44	40	0	0	c	0.2									
Narr ...	1006.2	38	E																									

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

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	NW-NE. 2-5	R. cold	Dull, local mist and fog.	Poor	Slight
2. E. England	NW-NE. 2-10	"	Dull, local mist & drizzle.	Indiff.	"
3. E. Midlands	N-NE. 2-5	"	Dull, local mist.	"	"
4. W. Midlands	NE. 2-5	"	Dull.	"	"
5. S.W. England	N-NE. 5	Cold	Cloudy or dull, local mist.	Ord.	Slight
6. South Wales	NE. 0-2	"	Dull, misty.	Indiff.	Smooth
7. North Wales	NE. 0-15	"	Dull.	Fair	"
8. N.W. England	NE-E. 2	R. cold	Dull.	Indiff.	"
9. N. Midlands	N-NE. 2-5	"	Dull.	"	"
10. N.E. England	NNW-NE. 5-15	"	Cloudy or dull, local mist.	Good	Mod.
11. E. Scotland	NNW-NNE. 0-15	Cold	Cloudy or dull, local sleet.	"	Slight
12. S.W. Scotland	NE. 0-10	R. cold	Dull, local mist.	Indiff.	Smooth
13. Isle of Man	NE-E. 2	"	Dull.	"	"
14. N. & N.W. Scotland	N-NE. 15	"	Cloudy.	Fair	Med.
15. Hebrides	NW-NE. 10-15	Cold	Fair, squally, with hail showers in north.	"	"
16. Orkneys and Shetlands	NE. 25-30	R. cold	Cloudy, mist at Shetlands	"	"
17. N.W. Ireland	Calm	Cold	Dull, local mist.	Indiff.	Smooth
18. N.E. Ireland	NE. 2-5	R. cold	Cloudy or dull, local mist	"	"
19. S.E. Ireland	N. 0-2	"	Dull, light local rain & mist.	"	"
20. S.W. Ireland	NW-NE. 2-10	V. cold	Fine or fair, local frost.	Fair	Smooth



EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by arrow 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 & clouds. ○ sky & clouds. ○ sky & clouds.
 ⊙ overcast sky. ⊙ rain falling.
 * snow. ▲ hail. ≡ fog. ≡ thunder.
SEA DISTURBANCE.—Rough. High.

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

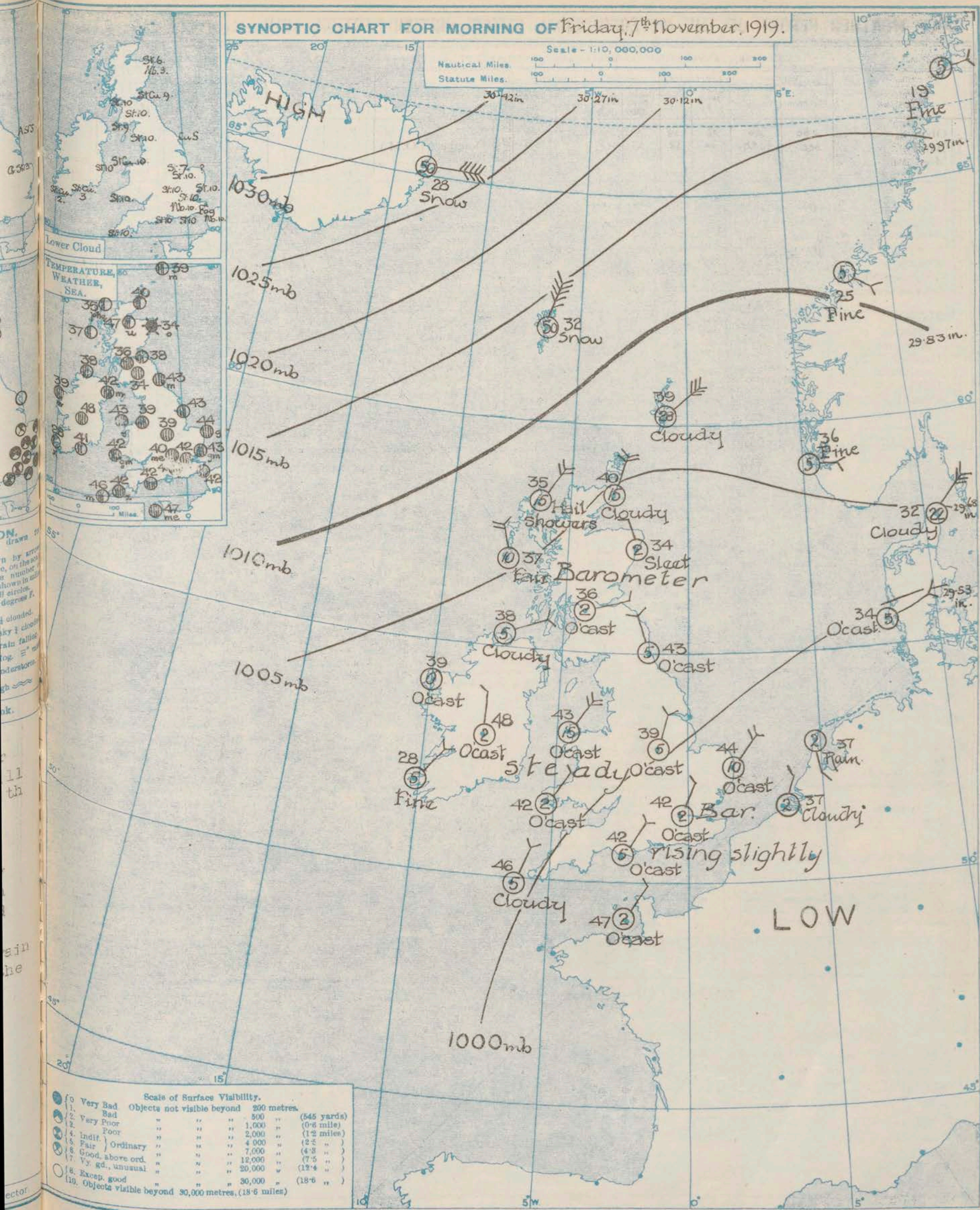
Pressure is becoming more uniform over the British Isles. Dull, cold weather will continue, with local drizzle, and sleet showers in the north.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Friday, 7th November, 1919	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Light N. or NE. winds. Dull, local mist or fog. Slight rain or drizzle locally. Cold.	A NEly. or Nly. type will continue, with cold dull weather. A shallow depression may form between Scotland and Norway and cause some rain or snow in the Northern districts.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Wind between NW. and NE, light or moderate. Dull, rain or sleet showers locally. Mist or fog in places. Cold.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Moderate or fresh NE. winds, strong locally. Cloudy. Sleet or hail showers. Cold.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland	Light winds between N. and NE. Cloudy or dull, slight local showers. Cold.	
20. S.W. Ireland	Light winds between NW. and NE. Fair to cloudy. Cold.	

SYNOPTIC CHART FOR MORNING OF Friday, 7th November, 1919.

Scale - 1:10,000,000

Nautical Miles
Statute Miles.



Scale of Surface Viability.				
		Objects not visible beyond	200 metres.	
10	Very Bad	"	"	500 "
9	Bad	"	"	1,000 "
8	Very Poor	"	"	2,000 "
7	Poor	"	"	4,000 "
6	Indif.	"	"	8,000 "
5	Fair	"	"	12,000 "
4	Good	"	"	20,000 "
3	Good above ord.	"	"	30,000 "
2	Yr. gd., unusual	"	"	50,000 "
1	Except. good	"	"	100,000 "
0	Objects visible beyond	30,000 metres,	(18.6 miles)	

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 30. B

Friday,
7th November

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

STATIONS.		WEATHER		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.		WEATHER		TEMPERATURE.		RAINFALL.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 10 p.m. to 5 a.m.	Day. 6 a.m. to 6 p.m.	Sunrise to Sunset 6 a.m.	Forenoon.			Afternoon.	Max. ° F.	Min. ° F.	Night. 10 p.m. to 5 a.m.	Day. 6 a.m. to 6 p.m.	Sunrise to Sunset 6 a.m.		
Scotland.	Oban	obc	co	46	39	-	-	2.3	England, N.W.	Douglas (I.O.M.)									
	Banff	bcc	odc	44	38	2	1	0.4		Blackpool	o	o	45	34	-	-	0.0		
	Montrose									Southport	o	o	44	35	1	-	0.0		
	St. Andrews																		
England, N.E.	Harrogate	co	opco	42	36	1	0.4	0.4	Midlands.	Buxton	c	c	39	36	-	-	0.0		
	Skegness	odp	o	45	41	-	-	0.0		Leamington Spa	o	o	42	38	-	-	0.0		
	Scarborough	-	-	-	-	1	0.2	0.0		Malvern									
										Ross-on-Wye	omg	om	42	38	-	-	0.0		
England, E.	Felixstowe	ogm	omd	43	41	-	-	0.0	Wales.	Rhyl	op	op	45	38	1	0.3	0.0		
	Walton-on-Naze									Colwyn Bay	-	-	44	33	-	-	0.0		
	Southend-on-Sea	omo	oc	44	38	0.1	-	0.0		Llandudno	o	o	45	41	0.2	-	0.0		
										Aberystwyth	oco	co	44	41	-	-	0.0		
England, S.E.	Margate	o	oc	46	40	-	-	0.0	England, S.W.	Weymouth	o	o	43	34	3	0.2	0.0		
	Ramsgate	o	o	45	41	-	-	0.0		Teignmouth									
	Folkestone	om	ofef	44	42	-	-	0.0		Torquay	o	op	43	40	0.1	0.3	0.0		
	Hastings									Paignton	og	om	42	39	trace	0.1	0.0		
	Eastbourne	odo	o	44	40	1	0.1	0.0		Penzance	g2	g2	46	43	2	-	0.0		
	Brighton	o	o	45	39	1	-	0.0		Newquay	o	o	44	40	-	-	0.0		
	Worthing	og	og	44	38	1	-	0.0		Bude	-	-	44	36	-	-	0.0		
	Littlehampton	odg	om	48	43	3	-	0.0		Ilfracombe									
	Bournemouth	-	-	43	37	1	0.4	0.0		Weston-s-Mare	oc	oc	43	38	0.3	-	0.0		
	Tunbridge Wells	o	o	43	39	0.1	-	0.0											

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER				Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass. ° F.	RAINFALL.		Sun. Hours.
	7h-18h ^{6th}	18h-18h ^{6th}	18h ^{6th} -1h ^{7th}	1h-7h ^{7th}				Day. 7h-18h	Night. 18h-7h	
†Houton Bay (Orkney)...							*	*	*	*
Eskdalemuir	odm.op	o.op	opco	o	41	33	30	1	-	1.0
†Stranraer	op	op	o	c	44	35	*	*	*	*
†Lough Foyle							*	*	*	*
Valencia (Cahirciveen) ...	bc.bz	bc bz	bz.bx		46	28	26	-	-	6.1
†Anglesey (Llangefni) ...	opd.	pd.o	o	c.o.	46	36	*	*	*	*
Falmouth	oz	oz	oz	oz	46	41	40	-	-	0.0
†Calshot (Hants)	f ₁	b.o	b.o	b.o	44	38	*	*	*	*
†Capel (Folkestone)...	od	d.oe	of	od.	42	40	*	*	*	*
Aberdeen	op	op	c.or.sp		42	33	29	2	2	0.1
†East Fortune		o.p.d.	o.r	c.o	43	38	*	*	*	*
†Flamboro' Head	vp	p.v.		ov	45	40	*	*	*	*
†Felixstowe	of.d	ef.d	of.d	d.	43	41	*	*	*	*
†Cranwell (Lines)	omp	op.	op	op	42	36	*	*	*	*
†Bedford	ompd.	ompd	ompd	ompd.	42	39	*	*	*	*
Benson	om	o	om		41	37	39	-	0.1	*
London (Kew Obs.)	om	om.d.om	om.d.om		44	39	39	Trace	-	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. 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	1.6-3.5
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 76	33.6 or above

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

SYMBOLS—

Aurora ☄ Solar halo ☉
Rain ☔ Lunar halo ☾
Glazed frost ☑ Solar corona ☼
Glazed roads ☐ Lunar corona ☾

LONDON. * OBSERVATIONS.

	WEATHER.			Max. Temp. F.	Min. Temp. F.	Max. on Grass F.	Rain-fall mm.	Sun-shine to Sunset. Hours.	Humidity %	
	Morning	Afternoon	Night						15 h. G.M.T.	9 h. G.M.T.
Greenwich (Royal Observatory)	om	od.	o	45	40	41	-	0.0	83	89
City (Bunhill Row)	*	*	*	46	41	40	-	0.0	85	98
Westminster (St. James's Park)	*	*	*	45	42	41	-	0.0	85	92
Admiralty Arch	omg.om	om	om	45	41	40	-	0.0	88	95
Camden Sq. (British Rainfall)	o	o	*	45	40	40	0.3	*	83	96
Kensington Palace	o	o	*	45	40	40	0.3	*	83	96

	24 HOURS ENDED 9h G.M.T. 7th				Sun-shine to Sunset. Hours.	Humidity %
	YESTERDAY.	TO-DAY.	TO-DAY.	TO-DAY.		
Vertical Component of Solar Radiation per square Centimetre during yesterday.	221	201	201	201	83	89
Total	221	201	201	201	83	89
Average Rate.	6.6	6.6	6.6	6.6	83	89
Maximum Rate.	15	15	15	15	83	89

SOUTH KENSINGTON (Meteorological Office).

Stations.	Sunrise, Noon and Sunset for Stations in the United Kingdom.		
	G.M.T.	G.M.T.	G.M.T.
Yarmouth...	7.0	11.37	4.14
Greenwich	7.2	11.37	4.12
Wick	7.44	11.56	4.8
Valencia ...	7.41	12.25	5.1

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

Stations.	Sunrise, Noon and Sunset for Stations in the United Kingdom.		
	G.M.T.	G.M.T.	G.M.T.
Yarmouth...	7.0	11.37	4.14
Greenwich	7.2	11.37	4.12
Wick	7.44	11.56	4.8
Valencia ...	7.41	12.25	5.1

NOTES ON THE WEATHER OF YESTERDAY.

Showers fell in most districts but the amounts were generally slight, the largest measurement being 7 mm. at Stornoway, where hail showers fell during the night. Sleet showers were experienced at Aberdeen and Glasgow. The day was again fine in SW.Ireland, Valencia having 6.1 hours sunshine; Stornoway had 6.8 hours and Birr Castle 4.8 hours, but the day was dull in England, Wales and E.Scotland. Temperature again remained below 50° generally, and fell to 28° at night at Blacksod Point and Valencia. A NE. gale was experienced in the Shetlands last night.

* Air Ministry Station.

* Information for these columns not usually received.



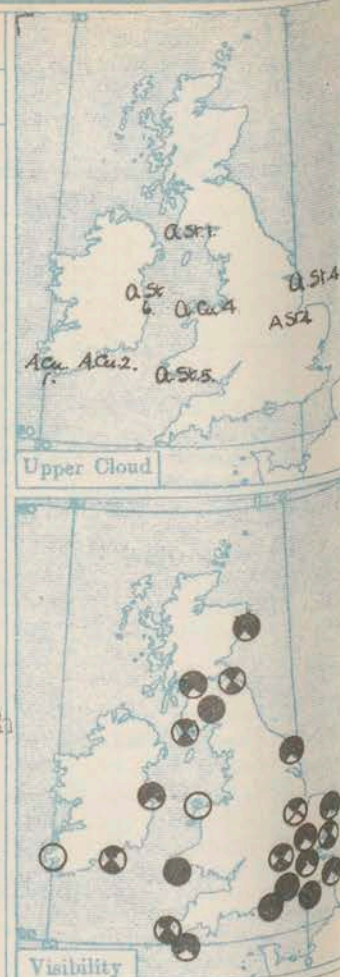
METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No. 2179.B ... SATURDAY, 8TH NOVEMBER 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1h, 7h, 13h AND 18h.																											
STATIONS.	BAROM.	†	WIND.		WEATHER.	TEMP.	HUMIDITY.	VISIBILITY.	HEIGHT	LOW CLOUD.	UPPER CLOUD.	SEA.	BAROM.	†	WIND.		WEATHER.	TEMP.	HUMIDITY.	VISIBILITY.	HEIGHT	LOW CLOUD.	UPPER CLOUD.	SEA.			
	at	Change	Dir.	Force		°F.	%	0-10.	Feet.	Form.	Amt.	0-10.	0-9.	at	Change	Dir.		Force	°F.	%	0-10.	Feet.	Form.	Amt.	0-10.	0-9.	
	M.S.L.	in 3 hours.												m.b.	in 3 hours.												M.S.L.	in 3 hours.	m.b.	in 3 hours.
13h. G.M.T. of 7 th													18h. G.M.T. of 7 th														
†Houton B. (Orkney)	1002.8	0	NNE	3	0	38	82	7	1½-2000	Nb	3	A.Cu	7	1002.4	0	NNE	2	om	35	92	6	-	-	-	ACu	10	*
†Eskdalemuir	1002.8	0	-	0	0	43	92	3	5-7000	St.	5	A.Cu	4	1002.5	0	-	0	35	97	-	2-3000	St.	10	-	-	-	*
†Stranraer	1002.8	0	-	0	0	43	92	3	5-7000	St.	5	A.Cu	4	1002.5	0	-	0	35	97	-	2-3000	St.	10	-	-	-	*
†Lough Foyle	1002.8	0	-	0	0	43	92	3	5-7000	St.	5	A.Cu	4	1002.5	0	-	0	35	97	-	2-3000	St.	10	-	-	-	*
Valencia (Cahire'n)	1003.1	0	-	0	bz	45	75	7	3-4000	Cu	1	St.	2	1002.6	0	NNE	2	og	41	65	7	-	-	-	ASr	10	2
†Anglesey (Llangefni)	1001.6	0	-	0	0	44	75	7	3-4000	St.Cu	9	A.Cu	1	1001.6	0	-	0	40	92	1	2-3000	St.Cu	10	-	-	3	
†Falmouth	1000.9	0	NNE	2	02	47	75	4	-	St.Cu	10	-	-	1001.1	+1	NNE	2	og	42	85	3	-	Nb	10	-	-	*
†Calshot (Hants)	999.0	-1	NE	1	om	44	87	4	1-1500	Nb	10	-	-	1010.3	+2	NE	2	02	44	92	2	1½-2000	Nb	10	-	-	3
†Capel (Folkestone)	999.4	0	-	0	od	44	98	0	½-1000	Nb	10	-	-	1000.7	+1	-	-	02	42	97	2	1-1500	Nb	10	-	-	2
Aberdeen	1004.1	0	N	2	0	38	98	7	-	Nb	8	A.Cu	1	1003.8	0	NW	3	02	37	97	6	-	Nb	10	-	-	3
†East Fortune	1003.1	-1	NNE	2	0	41	82	6	4-5000	St.Cu	4	A.Cu	4	1002.5	0	N	2	02	38	92	-	3-4000	Nb	10	-	-	*
†Falmouth Head	1000.4	-0	N	2	0	44	75	8	2-3000	St.Cu	4	A.Cu	3	1001.1	0	N	3	0	41	85	8	4-5000	St.Cu	5	A.St	4	*
†Felixstowe	1000.9	0	NNE	2	02	44	98	4	½-1000	Nb	10	-	-	1001.6	0	NNW	2	02	42	97	4	½-1000	Nb	10	-	-	2
†Cranwell (Lincs)	1001.9	0	N	2	0	44	75	7	2-3000	St.	5	A.St	3	1002.0	+1	NN	1	0	39	92	6	2-3000	St.	6	A.St	3	*
†Bedford	1000.6	0	NE	3	0	45	78	6	3-4000	St.	10	-	-	1001.3	+1	NE	2	0	41	85	6	3-4000	St.	10	-	-	*
Benson	999.9	0	NE	5	0	43	97	3	-	-	-	-	-	1000.8	0	SW	2	0	41	92	4	-	St.	10	-	-	*
London (Kew Ob.)	999.9	-1	NNE	2	om	45	97	4	2-3000	St.	10	-	-	1000.7	+1	NE	3	om	45	85	4	-	St.Cu	8	A.St	2	*
1h. G.M.T. of 8 th													7h. G.M.T. of 8 th														
†Houton B. (Orkney)	1002.0	-1	-	0	02	33	97	5	-	-	-	A.St	10	1001.8	0	-	0	02	25	98	0	4-5000	-	-	-	-	*
†Eskdalemuir	1002.0	0	-	0	0	32	97	-	2-3000	St.	3	A.St	6	1001.2	0	-	0	02	30	98	4	2-3000	St.	3	A.St	1	*
†Stranraer	1002.0	0	-	0	0	32	97	-	2-3000	St.	3	A.St	6	1001.2	0	-	0	02	30	98	4	2-3000	St.	3	A.St	1	*
†Lough Foyle	1002.0	0	-	0	0	32	97	-	2-3000	St.	3	A.St	6	1001.2	0	-	0	02	30	98	4	2-3000	St.	3	A.St	1	*
Valencia (Cahire'n)	1002.9	-1	-	0	bc	39	*	*	*	*	*	*	*	1002.3	0	NE	1	bc	37	92	10	2-3000	Cu	4	A.Cu	1	2
†Anglesey (Llangefni)	1001.7	0	-	0	0	39	97	-	-	-	-	-	3	1002.0	+1	-	0	0	32	98	8	2-3000	St.Cu	5	A.Cu	4	3
†Falmouth	1001.5	0	NNE	2	bz	39	92	5	-	-	-	-	-	1001.7	0	NNE	1	bm	35	98	3	-	St.	2	-	-	*
†Calshot (Hants)	1001.5	0	NNE	2	0	41	92	1	1½-2000	St.	10	-	-	1001.5	0	NE	1	0	41	92	1	1½-2000	St.	10	-	-	2
†Capel (Folkestone)	1002.1	+1	ESE	3	02	41	92	3	1-1500	St.	10	-	-	1000.9	-1	E	1	0	41	98	2	1-1500	St.	10	-	-	2
Aberdeen	1001.6	-1	WNW	2	02	37	92	-	½-1000	Nb	10	-	-	999.1	-4	SSW	2	02	36	98	3	-	Nb	10	-	-	3
†East Fortune	1001.6	-1	WNW	2	02	37	92	-	½-1000	Nb	10	-	-	1000.5	0	SW	3	02	35	98	5	½-1000	Nb	9	-	-	*
†Falmouth Head	1001.4	0	W	1	0	35	97	6	3-4000	St.Cu	5	A.Cu	5	1002.6	+1	SSW	1	om	36	92	3	1½-2000	St.	4	A.St	5	*
†Felixstowe	1002.5	0	E	3	02	32	97	1	½-1000	Cu.Nb	10	-	-	1002.5	0	NE	2	02	42	98	4	1-1500	Cu.Nb	10	-	-	2
†Cranwell (Lincs)	1002.5	0	WNW	1	0	36	97	4	2-3000	St.	6	A.St	4	1002.9	0	-	0	0	36	98	6	2-3000	St.	5	A.St	4	*
†Bedford	1001.9	0	NNE	1	02	39	92	4	1½-2000	St.	8	A.St	2	1002.1	0	NNE	2	02	39	92	3	2-3000	St.	10	-	-	*
Benson	1001.1	0	-	0	0	39	92	4	-	-	-	-	-	1000.8	+1	NNE	2	0	39	98	4	-	St.	10	-	-	*
London	1001.1	0	-	0	0	44	97	4	-	-	-	-	-	1001.0	0	N	1	om	42	98	3	-	St.	10	-	-	*
STATIONS CONTRIBUTING REPORTS AT 7h AND 18h.																											
STATIONS.	BAROM.	TEMP.	WIND.		WEATHER.	BAROMETER.		TEMPERATURE.		WIND.		DIREC. OF UPPER CLOUD.	WEATHER.	SEA.	RAINFALL.	TEMP.			WEATHER.			SUNSHINE.					
	at	Change	Dir.	Force		°F.	Change in 24 hours.	Dir.	Force	Dir.	Force					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.							
	M.S.L.	in 3 hours.											m.b.								in 3 hours.	m.b.	in 3 hours.	m.b.	in 3 hours.	m.b.	in 3 hours.
18h. G.M.T. of 7 th													7h. G.M.T. of 8 th														
Lerwick	1008.6	39	NE	6	og	1008.6	0	38	-1	NE	8	NE	c	5	Trace	41	36	omog	omog	cmg	*						
Stornoway	1008.6	40	NE	3	0	1008.3	0	38	+3	NE	6	-	ophg	5	12	40	33	ophg	ophg	bcophg	0.8						
Castlebay (Barra)	1004.3	41	N	4	b	1003.6	-1	39	+2	NNE	5	-	or	5	4	44	35	bc, o, c	bc	bhpr	4.4						
Glasgow	1003.6	37	ENE	1	og	1001.8	-2	31	-5	SW	1	-	m	*	1	39	30	o	og	asp, bx	0.0						
Malin Head	1001.8	37	S	2	om	1000.3	0	37	-1	NNE	2	NE	bc	1	10	41	35	omr	omr	c	0.0						
Blacksod Point	1005.1	41	SW	1	cd	1003.1	0	31	-8	-	0	-	bcz	1	3	44	30	bc	cp	bcz	*						
Roche's Point	1002.6	42	NW	2	bc	1002.3	0	35	-6	NW	2	NW	bc	1	0.1	47	34	bc, mo	o, bz	b, bcm	*						
Birr Castle	1002.3	34	N	1	bc	1001.7	*	31	?	-	0	-	o	*	-	44	27	c	bcz	bcz, x	1.7						
Donaghadee	1003.4	38	W	2	cm	1002.4	0	32	-10	W	2	-	bc	2	-	44	32	om	om	om	*						
Liverpool (Bidston)	1001.8	40	ESE	1	0	1001.2	0	37	-2	SSW	1	SW	bc	1	-	44	36	om	om	c, bc	0.0						
Holyhead	1000.5	43	-	-	og	1000.8	0	38	-5	-	0	-	c	0	0.4	47	35	o, c	op	opd, cx	0.1						
Pembroke (St. Ann's Head)	1001.7	45	N	1	c	1001.6	0	40	-2	N	2	W	cp	1	4	48	38	cm, bcm	bc, c	bc, cp	1.2						
Scilly (St. Mary's)	1001.3	46	NNW	2	om	1002.0	0	45	-1	N	1	-	bc	2	-	50	42	om	om, o	b, bc	3.2						
Jersey (St. Aubin)	1000.2	48	NNW	2	om	1000.3	0	45	-2	NE	2	-	om	1	6	51	44	om, c, o	om	odmro	0.8						
Portland Bill	1000.8	44	N	2	o																						

SUMMARY OF CONDITIONS AT 7 A.M. Saturday, 8th November, 1919.

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	N-E 0-10	R. cold	Dull, local mist & fog	Bad	Smooth
2. E. England	Var. 5-15	"	rain	Indiff.	Slight
3. E. Midlands	NNE 0-5	Cold	" " fog	Poor	"
4. W. Midlands	Var 0-5	"	Dull.	"	"
5. S.W. England	N-NE 0-5	"	Variable sky; local mist	Poor	Smooth
6. South Wales	N 0-5	"	Cloudy or dull; ^{frost} local showers	"	"
7. North Wales	Calm	V. cold	Fair or cloudy	V. Good	"
8. N.W. England	S-W 2-5	Cold	Fair	Fair	"
9. N. Midlands	Var. 0-5	"	Cloudy or dull.	"	"
10. N.E. England	S-SW 2-10	"	Dull; with mist & fog	Poor	Slight
11. E. Scotland	Var 2-10	"	Fair to dull; local drizzle, snow showers & mist.	"	"
12. S.W. Scotland	SW 0-2	V. cold	Fair to dull; local frost & fog	V. poor	Smooth
13. Isle of Man	Calm	"	Fair	Fair	"
14. N. & N.W. Scotland	NNE 25-30	Cold	Dull; local mist & sleet	Poor	R. rough
15. Hebrides	NE 20-25	"	" ; rain & hail showers	Ord.	"
16. Orkneys and Shetlands	NE 40-45	"	Cloudy; squally	Fair	"
17. N.W. Ireland	NNE 0-5	V. cold	Fair; local haze	Ord.	Smooth
18. N.E. Ireland	W-N 5	"	Fair	"	"
19. S.E. Ireland	Var. 0-5	"	Dull; local mist	Poor	"
20. S.W. Ireland	NW-NE 2-5	"	Fair	Var.	"



EXPLANATION.
BAROMETER.—Isobars are drawn for 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 & clouded.
 ⊙ sky & clouded. ⊙ sky & clouded.
 ⊖ overcast sky. ⊖ rain falling.
 * snow. ▲ hail. ≡ fog. ≡ mist.
 T thunder. T thunderstorm.
SEA DISTURBANCE.—
 Rough High

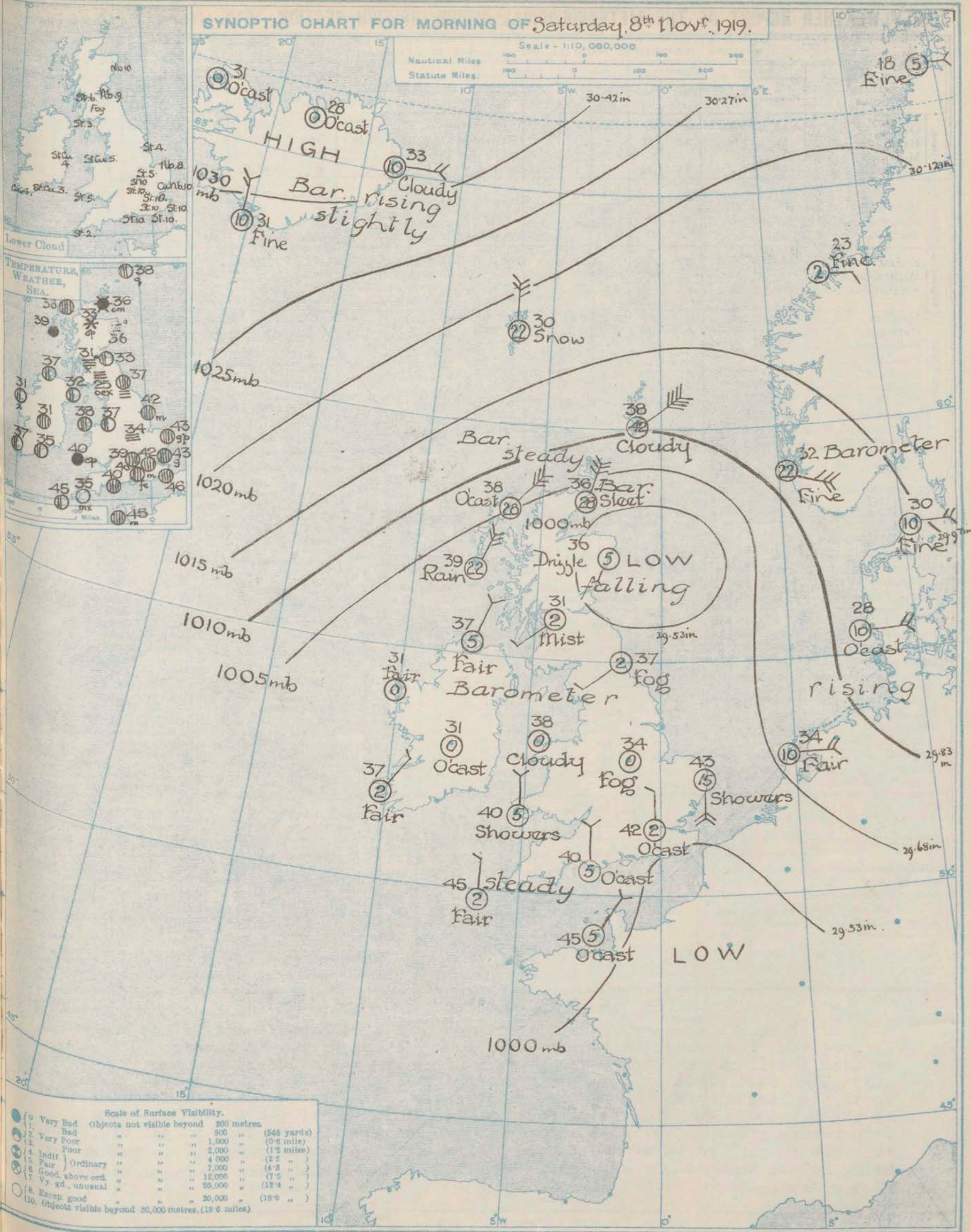
GENERAL INFERENCE from observations received up to 9 a.m.

The shallow depression over the South of England will move slowly West, and cause further showers or drizzle. The depression off NE. Scotland will also probably move slowly W. or SW. and cause sleet or snow in Scotland.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Saturday, 8th November, 1919.	Further Outlook.
1. S.E. England	Light or moderate E. winds. Dull. Some mist. A few local showers. Cold.	An Easterly type will probably develop with dull and very cold weather in the SE. and further sleet or snow in the NE. of Great Britain.
2. E. England		
3. E. Midlands		
4. W. Midlands		
5. S.W. England	Light N.ly winds, veering later to NE. or E. Cloudy or dull. Some showers or drizzle. Local mist. Cold.	
6. South Wales		
7. North Wales	Light variable or SW.ly breezes. Variable cloud. Mist or fog locally. Cold.	
8. N.W. England		
9. N. Midlands		
10. N.E. England		
11. E. Scotland	Light variable breezes, finally E. Dull, some rain, sleet or snow. Cold.	
12. S.W. Scotland	Calms and light W.ly to variable breezes. Dull, some rain, sleet or snow. Mist locally. Cold.	
13. Isle of Man		
14. N. & N.W. Scotland	Strong or high NE. winds, veering E. reaching gale force locally. Dull with sleet or snow, probably heavy. Cold.	
15. Hebrides		
16. Orkneys and Shetlands	Strong or high N. to NE. winds, gale locally. Dull with some rain, hail or sleet. Cold.	
17. N.W. Ireland	Wind NE. veering E. strong to a gale. Cloudy or dull. Sleet or hail showers. Cold.	
18. N.E. Ireland	Wind between N. and W. light or moderate Fair at first, dull later, with some rain or sleet.	
19. S.E. Ireland	Calms and light Northerly to variable breezes. Variable cloud. Cold. Light night frost.	
20. S.W. Ireland		

SYNOPTIC CHART FOR MORNING OF Saturday, 8th Nov^r, 1919.

Scale - 1:10,000,000
Nautical Miles 0 100 200 300
Statute Miles 0 100 200 300



DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 312. B

Saturday
8th November

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

STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 12h-1h. 6h-7h.	Day. 12h-1h. 7h-7h.	Sunrise to Sun- set. 7h.		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 12h-1h. 6h-7h.	Day. 12h-1h. 7h-7h.	Sunrise to Sun- set. 7h.	
Scotland.	Oban	<i>o, c, b, c</i>	<i>o, b, c</i>	43	35	-	-	2.2	England, N.W.	Douglas (I.O.M.)	<i>o</i>						
	Banff	<i>b</i>	<i>b</i>	42	33	1	-	3.0		Blackpool	<i>o</i>	<i>o</i>	43	38	-	-	0.0
	Montrose									Southport	<i>o</i>	<i>o, u, o</i>	43	38	-	1	0.0
	St. Andrews	<i>c</i>	<i>o</i>	41	33	-	-	0.0									
England, N.E.	Harrogate	<i>o</i>	<i>o, c, o</i>	41	36	-	-	0.3	Midlands.	Buxton	<i>o, c, o, c</i>	<i>o, c, c</i>	38	35	-	1	0.0
	Skegness	<i>o, c</i>	<i>b</i>	47	40	-	-	1.6		Leamington Spa	<i>o</i>	<i>o, d</i>	44	39	-	1	0.0
	Scarboro					0.5	-	2.6		Malvern							
										Ross-on-Wye	<i>o, m, g</i>	<i>o</i>	43	38	0.2	-	0.0
England, E.	Felixstowe	<i>o, m, d</i>	<i>o, m, d</i>	44	42	1	4	0.0	Wales.	Rhyl	<i>o</i>	<i>o</i>	45	38	-	-	0.0
	Walton-on-Naze									Colwyn Bay	-	-	43	39	-	-	0.0
	Southend-on-Sea	<i>o, p, m</i>	<i>o</i>	45	40	1	-	0.0		Llandudno	<i>o</i>	<i>o</i>	45	38	-	-	0.0
										Aberystwyth	<i>o, c, o</i>	<i>b, c, o</i>	45	41			
England, S.E.	Margate	<i>o, d</i>	<i>o, d</i>	46	43	0.3	0.5	0.0	England, S.W.	Weymouth	<i>o</i>	<i>o, m</i>	46	39	-	-	0.0
	Ramsgate	<i>o</i>	<i>o</i>	45	42	1	0.2	0.0		Teignmouth							
	Folkestone	<i>o, f</i>	<i>f</i>	46	43	0.1	0.1	0.0		Torquay							
	Hastings									Paignton	<i>o, m</i>	<i>c, b, m</i>	46	40	-	-	0.0
	Eastbourne	<i>o</i>	<i>o</i>	47	42	0.4	-	0.0		Penzance	<i>o, c, g</i>	<i>o, g</i>	45	43	-	-	0.1
	Brighton	<i>o</i>	<i>g</i>	47	42	-	-	0.0		Newquay	<i>o, p, m</i>	<i>o, m</i>	47	40	-	-	0.1
	Worthing	<i>o</i>	<i>o</i>	46	41	-	-	0.0		Bude	<i>e, g, l</i>	<i>g, z</i>	46	40	0.1	-	0.0
	Littlehampton	<i>g, o, m</i>	<i>g, o, m</i>	46	43	-	-	0.0		Ilfracombe							
	Bournemouth			45	38	0.2	-	0.0		Weston-s-Mare	<i>o</i>	<i>o</i>	44	40	-	-	0.0
	Tunbridge Wells	<i>o, m</i>	<i>o</i>	45	40	0.5	-	0.0									

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER				Max. Temp. F.	Min. Temp. F.	Min. on Grass. F.	RAINFALL.		Sun. Hours.
	7h-13h.	13h-18h.	18h-7h.	1h-7h.				Day. 7h-18h.	Night. 18h-7h.	
†Houton Bay (Orkney)...	o	o	o, s, o, s, o	o, s, o, f, e, x	38	24	24	-	0.3	0.0
†Eskdalemuir ...	o	o	a, f	b, b, c	43	27	*	*	*	*
†Stranraer ...	c, o	c, o					*	*	*	*
†Lough Foyle ...							*	*	*	*
Valencia (Cahirciveen) ...	b, b, c, b, z	b, c, o, z		r, c, o, b, c	48	28	23	-	1	5.0
†Anglesey (Llangefni) ...	o	c, o	d, r, i	b, b, c, o	45	30	*	*	*	*
†Falmouth ...	o, z	o, z, o, c, z	o, z, b, z	b, z, x	47	35	26	-	-	0.2
†Calshot (Hants) ...	o, m	o	o	o	45	39	*	*	*	*
†Capel (Folkestone) ...	o, f, z, p, d	d, o	o, p	o, p, z	44	40	*	*	*	*
Aberdeen ...	c, o, p	o, r, s, p	o, r, s, m		38	34	34	3	16	0.1
†East Fortune ...	c, o, p, d	c, p, d	o, r, i	r, i	41	34	*	*	*	*
†Flamborough Head ...	c, o, v	c, v	c, u	c, o, z	45	34	*	*	*	*
†Felixstowe ...	d, i	s	o, f, d	p	44	38	*	*	*	*
†Cranwell (Lines) ...	c	c, o	c, o, m	c, o, m	44	34	*	*	*	*
†Bedford ...	o, m, p, d	o, p, d	z, p, d	c, o, m	45	37	*	*	*	*
Benson ...	o, r, m	o	o, m		43	38	38	0.3	0.1	*
London (Kew Obsy.) ...	o, m	o, m	o, m, d, o, r, o, m		45	41	39	-	1	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, 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.

SYMBOLS—

Aurora ☄ Solar halo ☉
Rime ☃ Lunar halo ☾
Glazed frost ☑ Solar corona ☉
Glazed roads ☑ Lunar corona ☾

LONDON OBSERVATIONS.

	WEATHER.			Max. Temp. F.	Min. Temp. F.	Min. on Grass. F.	Rain-fall. mm.	Sun-shine to Sunset. Hours.	HUMIDITY %	
	Morning.	Afternoon.	Night.						15 h. G.M.T.	9 h. G.M.T.
24 Hours ended 9h G.M.T. ... 8th ...										
Greenwich (Royal Observatory)	o	od	od, r	45	41	39	2	0.0	81	92
City (Bunhill Row)	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James's Park)	*	*	*	46	42	40	0.4	0.0	84	90
.. (Admiralty Arch)	om, o, g, m	om	om, d	46	43	*	0.2	0.0	89	94
Cannden Sq. (British Rainfall)	o	o	*	45	41	41	-	0.0	87	95
Kensington Palace	o	o	*	45	40	40	1	*	18h. 89	95

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	YESTERDAY.		TO-DAY.	
	G.M.T.	G.M.T.	G.M.T.	G.M.T.
Total ... 5.7 ... Jones.				
Average Rate. 1.7				
Maximum Rate. 4				

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

8th & 9th November 1919.			
Stations.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.2	11.37	4.12
	7.4	11.37	4.10
Greenwich	7.7	11.44	4.21
	7.9	11.44	4.19
Wick ...	7.46	11.56	4.6
	7.49	11.56	4.3
Valencia ...	7.49	12.25	5.1
	7.51	12.25	4.59

NOTES ON THE WEATHER OF YESTERDAY.

Frequent showers of rain, sleet and hail were experienced in the North of Scotland. The precipitation amounted to 19 mm. at Nairn and Aberdeen, 16 mm at Wick and 12 mm. at Stornoway. A fall of 10 mm. was also experienced at Malin Head, mostly yesterday morning. Slight rain or drizzle fell locally in the South, the largest amount being 6 mm. at Jersey. The day was dull except locally in the W. and N. Sunshine amounted to 5 hrs. at Valencia, 4 hrs. at Castlebay. Temperature remained below 50° except in the extreme SW. and fell to 32° or lower at night in many parts of Scotland, and Ireland, the lowest readings in the screen being 24° at Eskdalemuir and 27° at Birr Castle. A NE. gale was again experienced in the Shetlands.

† Air Ministry Station.

* Information for these columns not usually received.



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

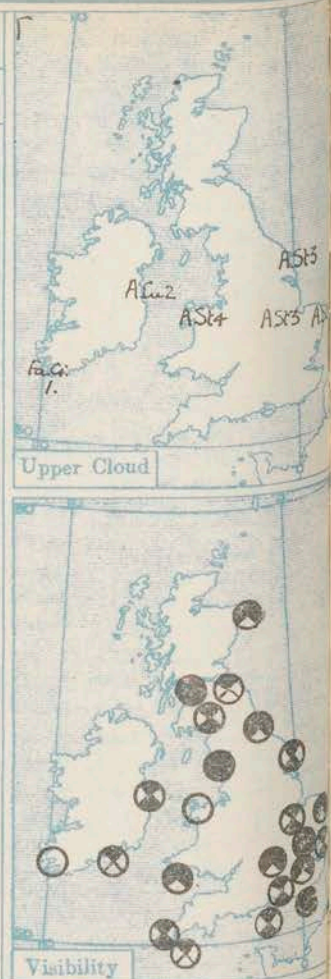
No. 24171B SUNDAY, 9TH NOVEMBER, 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 10, 7H, 13H AND 15H.																														
STATIONS.	BAROM.	Change	WIND.		TEMP.	HUMIDITY.	VISIBILITY.	Height of Low Cloud.	Low Cloud.	Upper Cloud.	Sea.	BAROM.	Change	WIND.		TEMP.	HUMIDITY.	VISIBILITY.	Height of Low Cloud.	Low Cloud.	Upper Cloud.	Sea.								
	M.S.L.	in 3 hours.	Dir.	Force 0-12.	°F.	%	0-10.	Feet.	Form.	Amt. 0-10.	0-9.	M.S.L.	in 3 hours.	Dir.	Force 0-12.	°F.	%	0-10.	Feet.	Form.	Amt. 0-10.	0-9.								
13H. G.M.T.												18H. G.M.T.																		
Houton B. (Orkney)	1002.4	0	SSW	1	om	34	87	5	1 1/2-2000	St	8	Ac	1	1002.9	0	-	-	bcu	31	92	4	-	St	3	Ac	3				
Esksdalemuir	1002.2	+1	NNE	1	bc	45	87	4	2-3000	St	3	-	-	1002.0	0	-	-	bcu	34	92	-	2-3000	No	9	-	-				
Stranraer	1003.2	+1	NE	2	b	44	75	8	2-3000	cu	1	Ac	1	1003.9	+1	NE	1	b	35	87	10	3-4000	St	1	-	-				
Lough Foyle	1001.8	-1	-	0	0-5	44	82	7	2-3000	St	8	Ac	1	1002.5	+1	-	0	c	35	92	1	2-3000	St	6	Ac	1				
Valencia (Cahire'n)	1001.8	-1	M	1	CZ	48	75	4	-	cu	6	Ac	2	1001.6	0	NNW	2	bz	34	70	3	-	St	1	Ac	1				
Anglesey (Llangefni)	1001.4	0	M	1	om	42	87	5	1-1500	St	10	-	-	1003.0	+2	NNW	1	o	42	87	3	2-3000	St	10	-	-				
Falmouth	1000.9	-1	ESE	2	of	42	98	0	4500	St	10	-	-	1001.2	0	-	-	od	42	97	0	1/2-1000	St	10	-	-				
Calshot (Hants)	1000.2	+1	S	3	o	38	82	7	-	St	9	-	-	1002.8	+3	SW	3	bz	38	75	5	-	cu	0	-	-				
Capel (Folkestone)	1001.0	-1	S	1	b	40	75	8	2-3000	St	1	-	-	1002.6	42	S	1	c	35	82	-	3-4000	St	6	Ac	2				
Aberdeen	1002.7	0	ESE	1	0-5	40	92	4	1-1500	St	7	Ac	3	1003.3	+1	SE	5	of	41	82	7	1-1500	St	7	Ac	3				
East Fortune	1002.4	0	NE	5	0-5	43	98	4	1-1500	Nb	10	-	-	1002.3	0	NE	2	od	42	97	3	1-500	Nb	10	-	-				
Flamboro' Head	1002.5	0	NE	1	0-5	39	98	2	1/2-1000	Nb	10	-	-	1002.9	0	ESE	1	o	39	97	2	1-1500	Nb	10	-	-				
Felixstowe	1002.7	-1	NE	1	od	41	98	0	1/2-1000	St	10	-	-	1002.6	0	NE	1	od	40	92	2	1-1500	St	10	-	-				
Cranwell (Lincs)	1001.6	0	N	2	o	42	92	4	-	-	-	-	-	1002.2	0	N	2	o	41	97	4	-	St	10	-	-				
Bedford	1001.0	-1	M	1	om	43	87	3	-	St	10	-	-	1001.9	+2	N	2	om	41	92	3	-	St	10	-	-				
Benson	1003.6	+1	NE	1	om	33	87	3	-	St	10	-	-	1006.1	+3	N	1	om	33	92	4	1 1/2-2000	Nb	9	-	-				
London (Kew Obs.)	1001.8	0	-	0	bc	34	97	-	2-3000	St	4	-	-	1004.1	+1	S	2	c	34	98	-	1-1000	Nb	7	-	-				
1H. G.M.T. OF ...												7H. G.M.T. OF ...																		
Houton B. (Orkney)	1003.6	+1	NE	1	om	33	87	3	-	St	10	-	-	1006.1	+3	N	1	om	33	92	4	1 1/2-2000	Nb	9	-	-				
Esksdalemuir	1001.8	0	-	0	bc	34	97	-	2-3000	St	4	-	-	1004.1	+1	S	2	c	34	98	-	1-1000	Nb	7	-	-				
Stranraer	1003.4	0	WNW	2	bcu	38	87	3	-	St	10	-	-	1003.9	-1	NW	3	o	42	75	8	-	cu	8	Ac	1				
Lough Foyle	1003.2	+1	-	0	bc	29	97	1	4-5000	St	3	-	-	1004.1	0	-	0	bc	26	98	8	1 1/2-2000	St	2	Ac	4				
Valencia (Cahire'n)	1001.6	-2	NNW	2	0-5	39	92	4	-	Nb	10	-	-	1001.0	-1	NNW	3	o	36	98	6	-	NE	10	-	-				
Anglesey (Llangefni)	1003.4	0	-	0	o	37	97	2	1-500	St	10	-	-	1002.7	-1	-	0	o	38	98	4	1-500	St	10	-	-				
Falmouth	1002.3	-1	-	0	of	34	97	0	1/2-1000	St	10	Ac	2	1002.4	0	-	0	of	37	98	0	1-1000	St	10	-	-				
Calshot (Hants)	1004.4	+3	SSE	5	0-5	38	97	3	1 1/2-2000	Nb	10	-	-	1010.4	+6	ESE	6	o	41	65	9	-	cu	10	-	-				
Capel (Folkestone)	1004.1	+1	SE	1	o	37	92	-	2-3000	Nb	5	Ac	5	1006.9	+6	SE	3	0-5	36	98	6	1 1/2-2000	Nb	10	-	-				
Aberdeen	1003.4	0	NNE	3	od	43	97	4	1/2-1000	Nb	10	-	-	1005.3	+1	ENE	4	79	2	82	5	1-1500	Nb	7	Ac	3				
East Fortune	1004.1	0	ESE	1	o	34	97	4	2-3000	St	6	Ac	4	1004.1	0	N	2	of	43	98	4	1-1000	St	9	-	-				
Flamboro' Head	1003.5	0	NE	2	of	39	92	2	1 1/2-2000	St	10	-	-	1005.1	0	NNE	1	o	38	98	4	2-3000	St	7	Ac	3				
Felixstowe	1002.5	0	N	2	o	42	92	4	-	-	-	-	-	1003.0	0	NE	2	od	39	92	1	1-500	St	10	-	-				
Cranwell (Lincs)	1002.5	0	N	2	om	38	98	3	-	-	-	-	-	1002.5	0	N	2	om	38	98	3	-	St	9	-	-				
Bedford	1002.5	0	-	0	om	41	98	3	1 1/2-2000	St	10	-	-	1002.5	0	-	0	om	41	98	3	1 1/2-2000	St	10	-	-				
Benson	1002.5	0	N	1	o	42	92	4	-	-	-	-	-	1002.5	0	-	0	om	41	98	3	1 1/2-2000	St	10	-	-				
London (Kew Obs.)	1002.5	0	N	1	o	42	92	4	-	-	-	-	-	1002.5	0	-	0	om	41	98	3	1 1/2-2000	St	10	-	-				
STATIONS CONTRIBUTING REPORTS AT 7H AND 15H.																														
STATIONS.	BAROM.	TEMP.	WIND.		BAROMETER.	TEMPERATURE.	WIND.	DIREC.	UPPER CLOUD.	SEA.	RAINFALL.	TEMP.	WEATHER.	SUNSHINE.																
	M.S.L.	°F.	Dir.	Force 0-12.	M.S.L.	Change in 3 hours.	Dir.	Force 0-12.	0-10.	0-10.	mm.	Max. °F.	Min. °F.	Hours.																
15H. G.M.T. OF ...															7H. G.M.T. OF ...															
Lerwick	1010.0	38	ENE	9	omg	1016.9	+6	41	+3	ESE	7	-	omg	4	1016.9	+6	41	+3	ESE	7	-	omg	4	11	42	35	omg	omg	omg	2
Stornoway	1000.3	41	NE	7	omg	1007.7	+3	39	+1	ENE	5	-	o	4	1007.7	+3	39	+1	ENE	5	-	o	4	10	41	36	omg	omg	omg	0.0
Castlebay (Barra)	1000.5	39	N	5	bc	1004.8	+3	41	4	E	4	-	o	4	1004.8	+3	41	4	E	4	-	o	4	27	43	34	omg	omg	omg	0.0
Glasgow	1002.4	36	SE	2	bc	1005.9	+3	34	+3	ENE	2	-	o	4	1005.9	+3	34	+3	ENE	2	-	o	4	Trace	39	27	omg	omg	omg	1.9
Malin Head	999.0	40	W	2	c	1000.2	+1	34	-3	SE	2	SE	bcx	2	1000.2	+1	34	-3	SE	2	SE	bcx	2	1	42	31	bcx	bc	bc	5.1
Blacksod Point	1003.5	41	NNW	3	cp	997.6	4	43	+12	NNW	3	-	odg	3	997.6	4	43	+12	NNW	3	-	odg	3	17	45	31	bcx	bcx	omg	0
Roche's Point	1003.1	41	SW	3	b	1003.8	0	35	0	NW	1	-	bc	1	1003.8	0	35	0	NW	1	-	bc	1	0.2	45	33	bcx	bcx	bcx	0
Birr Castle	1002.7	31	NE	1	c	994.7	9	34	+3	S	2	-	r	4	994.7	9	34	+3	S	2	-	r	4	37	29	os. c	c	os. c	0.4	
Donaghadee	1002.6	35	W	2	bcu	1003.0	0	35	+3	SW	2	-	bcu	2	1003.0	0	35	+3	SW	2	-	bcu	2	-	45	30	bcu	bcu	bcu	0
Liverpool (Bidston)	1001.8	36	SSW	2	bc	1003.5	+2	35	-2	SE	2	-	m	1	1003.5	+2	35	-2	SE	2	-	m	1	-	43	32	omg	omg	f. m	2.4
Holyhead	1001.6	48	SE	2	bc	1002.2	0	35	-3	SE	2	-	b	0	1002.2	0	35	-3	SE	2	-	b	0	6	47	33	omg	omg	cp. bc	1.6

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

SUMMARY OF CONDITIONS AT 7 A.M. Sunday, 9th November, 1919.

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	N. 0-5	R. cold.	Dull, misty, local fog.	V. poor	Smooth
2. E. England	E-NE. 5-15	Mod.	Dull.	poor	Slight
3. E. Midlands	NE 0-2	"	Dull, local mist.	"	"
4. W. Midlands	E. 2-5	R. cold.	Dull.	"	"
5. S.W. England	N-NE. 15-20	Cold.	Dull, local rain.	Ord.	Mod.
6. South Wales	NE. 0-2	"	Cloudy	poor.	Smooth
7. North Wales	SE. 0-2	"	Fair to fine.	V. good	Slight
8. N.W. England	E. 0-5	R. cold.	Cloudy to dull.	poor	Smooth
9. N. Midlands	E. 0-2	Mod.	Dull.	Ord.	"
10. N.E. England	SE. 20-25	"	Dull, rainy, local squalls	"	R. rough
11. E. Scotland	SE. 15-25	R. cold.	Dull, rainy.	"	"
12. S.W. Scotland	E-S. 5-10	"	Cloudy, dull, local mist.	poor	Smooth
13. Isle of Man	S. 5.	"	Cloudy to fair.	"	"
14. N. & N.W. Scotland	SE. 10-20	Mod.	Cloudy to dull.	poor	R. rough
15. Hebrides	NE 10-20	R. cold.	Dull.	Ord.	Mod.
16. Orkneys and Shetlands	25-30	Mod.	Dull, squally.	"	"
17. N.W. Ireland	N. 5-10	"	Dull, squally.	"	Slight
18. N.E. Ireland	S-SE. 2-5	R. cold.	Fair.	poor.	Smooth
19. S.E. Ireland	S-SW. 2-5	Cold.	Fair to fine.	Ord.	"
20. S.W. Ireland	NW. 2-5	R. cold.	Fair to dull.	good.	"



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

The depression over Ireland is moving SW, and the one over the Channel very slowly W. Dull unsettled weather will continue.

EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by arrow 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.—Temperature is given in degrees F.
WEATHER SYMBOLS.
 ○ clear sky. ○ sky 1/4 clouded. ○ sky 1/2 clouded. ○ sky 3/4 clouded. ○ overcast sky. ● rain falling. * snow. ▲ hail. ≡ fog. ≡ mist. T thunder. F thunderstorm.
SEA DISTURBANCE.—Rough. High.

Districts.	Forecasts for the 24 hours commencing 3 p.m. 9th November, 1919.
1. S.E. England	Light or moderate Easterly winds. Dull. Some showers or drizzle. Perhaps sleet or even snow. Cold.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	Wind between N and E, light or moderate. Dull. Rain at times. Cold.
6. South Wales	Wind mainly between E and SE, light or moderate. Cloudy or dull. A few local showers. Cold.
7. North Wales	
8. N.W. England	
9. N. Midlands	Wind between E and SE, fresh or strong. Dull. Some showers of rain or sleet. Cold.
10. N.E. England	
11. E. Scotland	
12. S.W. Scotland	Moderate or fresh E to SE winds. Cloudy or dull. Local showers. Cold.
13. Isle of Man	
14. N. & N.W. Scotland	Wind between E and SE, fresh or strong. Dull. Some rain or sleet showers. Cold.
15. Hebrides	
16. Orkneys and Shetlands	
17. N.W. Ireland	Same as 19 - 20.
18. N.E. Ireland	Same as 12 13.
19. S.E. Ireland	Wind variable, finally E or SE, light or moderate. Dull. Rain at times. Cold.
20. S.W. Ireland	

SYNOPTIC CHART FOR MORNING OF SUNDAY, 9TH NOVEMBER, 1919.

1020 mb

LOW

Scale - 1:10,000,000
Nautical Miles
Statute Miles



Scale of Surface Visibility.

Number	Description	Distance
0	Very Bad	Objects not visible beyond 800 metres
1	Bad	500 "
2	Very Poor	1,000 "
3	Poor	2,000 "
4	Indif.	4,000 "
5	Fair	7,000 "
6	Good, above ord.	12,000 "
7	Vy. gd., unusual	20,000 "
8	Except. good	30,000 "
9	Objects visible beyond 30,000 metres	(18.6 miles)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 313. B

Sunday, 9th November.

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 8 th																			
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 12h-12h.	Day. 12h-12h.	Sunrise to Sunset.	Forenoon.			Afternoon.	Max. ° F.	Min. ° F.	Night. 12h-12h.	Day. 12h-12h.	Sunrise to Sunset.		
Scotland.	Oban	c.of	or	39	31	2	2		0.1	England, N.W.	Douglas (I.O.M.)								
	Banff	ocbe	beb.	41	33	5	-		0.8		Blackpool								
	Montrose										Southport	ocbec	of	42	35	0.4	-		1.2
	St. Andrews																		
England, N.E.	Harrogate	o	o	42	34	-	-		0.0	Midlands.	Buxton	emreb	bc.b	41	33	-	-		3.4
	Skegness										Leamington Spa...	bc	bc	45	36	-	-		2.6
											Malvern								
											Ross-on-Wye	fom	om	41	35	trace	-		0.0
England, E.	Felixstowe	omqr	omd	43	41	2	1		0.0	Wales.	Rhyl								
	Walton-on-Naze...	opm	od	43	40	1	0.1		0.0		Colwyn Bay								
	Southend-on-Sea...										Llandudno								
											Aberystwyth	oc.c	c.o	46	39	-	-		2.0
England, S.E.	Margate	od	od	44	40	4	0.2		0.0	England, S.W.	Weymouth								
	Ramsgate	-	-	44	40	4	0.2		0.0		Teignmouth								
	Folkestone	om	o	47	41	2	-		0.0		Torquay	b.in	b.b.c.c.m	?	33	-	-		4.1
	Hastings										Paignton	b.	b.bcc	47	28	-	-		4.0
	Eastbourne	o	o	46	41	2	-		0.0		Penzance								
	Brighton										Newquay								
	Worthing	-	-	43	42	-	-		0.0		Bude	bc.r.bc	b.	50	40	-	-		1.7
	Littlehampton	om	om	45	41	-	-		0.0		Ilfracombe								
	Bournemouth			44	38	-	-		1.3		Weston-s-Mare								
	Tunbridge Wells	om	of	42	40	3	1		0.0										

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.				Max. Temp. F.	Min. Temp. F.	Min. on Grass F.	RAINFALL.		Sun. Hours	
								Day. 7h-12h.	Night. 12h-7h.		
	7h-12h.	12h-18h.	18h-24h.	24h-7h.							
†Houton Bay (Orkney)...	o.c.a.c.m	om.a.bom	bm.oms	om.ops	36	24	26	-	1	0.2	
†Eskdalemuir ...	b.b.c.b.	o.p.a	cop.	cop	45	27	26	*	*	*	
†Stranraer ...								*	*	*	
†Lough Foyle ...								*	*	*	
Valencia (Cahirciveen) ...	bc.b	b.c.b	bx cp		45	28	24	-	1	6.9	
†Anglesey (Llangefni) ...	bc.c.c.o	nts	co.bcc	b.c.c.o	45	24	27	*	*	*	
Falmouth ...	bc.c.o	o.c.c	bc.lor	oblr	49	35	27	-	16	0.2	
†Calshot (Hants) ...	om	o	b.o	b.c.c.o	45	35	35	*	*	*	
†Capel (Folkestone) ...	wof.	omr	o.w	a.of	44	37	37	*	*	*	
Aberdeen ...	om.c.m	c.b.c.m	c.o.rq		42	34	27	1	12	0.4	
†East Fortune ...	b.b.c.	b.c.c.	co.or	or	40	34	34	*	*	*	
†Framborough Head ...	omd.	omr		og	43	38	38	*	*	*	
†Felixstowe ...	h.	r.	pd.	co	44	41	41	*	*	*	
†Cranwell (Lincs) ...	op.	omd.	om.o	om.c	40	35	35	*	*	*	
†Bedford ...	f.d.	of.pd	of	om				*	*	*	
Benson ...	o	o	o	o	42	35	35	-	-	*	
London (Kew Obs.) ...	omg.om	om	om	om	44	40	38	-	Trace	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. 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	1-2	0.3-1.5
2	4-7	1.6-3.3
3	8-12	5.4-5.4
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, 1=moderate, 2=heavy. Underlining is used to express continuity.

SYMBOLS—

Aurora ☄ Solar halo ☉
Rime ❄ Lunar halo ☾
Glazed frost ☁ Solar corona ☼
Glazed roads ☁ Lunar corona ☾

LONDON OBSERVATIONS.

LONDON. OBSERVATIONS.	WEATHER.			Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass. ° F.	Rain- fall. mm.	Sun- shine to Sunset. Hours.	HUMIDITY %	
	Morning.	Afternoon.	Night.						10 h. G.M.T.	9 h. G.M.T.
	24 HOURS ENDED 9H G.M.T. 9th							YESTERDAY.		TO-DAY.
Greenwich (Royal Observatory)	od	od	o	42	40	40	1	0.0	92	91
City (Bunhill Row)	*	*	*	*	*	*	*	*	*	*
Westminster (St. James's Park)	*	*	*	*	*	*	*	*	*	*
" (Admiralty Arch)	odmg.odm	om	om	44	42	*	Trace	0.0	92	92
Camden Sq. (British Rainfall)	odf	o	*	43	40	40	0.3	0.0	95	87
Kensington Palace	o	o	*	43	39	40	-	*	18h.91	92

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	G.M.T.	
	10 h.	9 h.
Total..... Joules.	92	92
Milliwatts.	92	92
Average Rate.	92	92
Maximum Rate.	92	92

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

9th & 10th November, 1919.			
Stations.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth...	7.4	11.37	4.10
	7.6	11.37	4.3
Greenwich	7.9	11.44	4.17
	7.11	11.44	4.17
Wick ...	7.49	11.56	4.3
	7.51	11.56	4.1
Valencia ...	7.51	12.25	4.59
	7.53	12.25	4.59

NOTES ON THE WEATHER OF YESTERDAY.

Rain fell in many parts of the country, the largest amounts being in the North of Scotland and Ireland, and in SW England, the greatest measurements were 18 mm at Jersey, 16 mm at Falmouth, 17 mm at Blacksod Point, 13 mm at Aberdeen. A thunder-storm occurred during the night at Jersey and Falmouth, and also yesterday afternoon at Holyhead, where it was accompanied by hail. Hail, snow or sleet also fell in the North of Scotland and locally in Ireland. The day was again dull in the East, but a few hours of bright sunshine were registered at Western stations, also locally in the Midlands. Valencia had 6.9 hours, Pembroke and Malin Head 5.1 hours. Temperature remained below 50° generally and below 40° locally in the North. There was a NE gale in the North of Scotland.

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



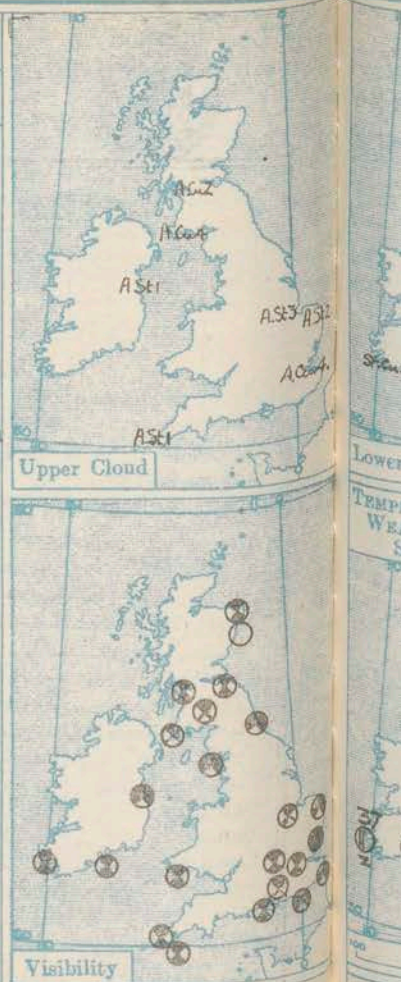
METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No 21,1738 MONDAY, 10TH NOVEMBER 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.		Weather.	TEMP. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea.	Barom. at M.S.L. m.b.	Change in 3 hours.	WIND.		Weather.	TEMP. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea.											
			Direc.	Force 0-12.						Form.	Amt. 0-10.	Form.	Amt. 0-10.				Form.	Amt. 0-10.																					
13H. G.M.T. OF 9 TH															18H. G.M.T. OF 9 TH																								
†Horton B. (Orkney)	1008.2	+1	ENE	4	OT 117	35	98	5	1-2000	St	10	-	-	*	1009.6	+2	NE	4	bc	33	98	6	-	St	5	-	-	*											
†Eskdalemuir	1005.6	+2	E	4	c	39	98	4	2-3000	St	5	asc	2	*	1008.2	+2	ENE	3	bc	28	98	-	2-3000	St	6	-	-	*											
†Stranraer	1008.6	+2	E	4	c	39	98	4	2-3000	St	5	asc	2	*	1008.2	+2	ENE	3	bc	28	98	-	2-3000	St	6	-	-	*											
†Lough Foyle	1008.6	+2	E	4	c	39	98	4	2-3000	St	5	asc	2	*	1008.2	+2	ENE	3	bc	28	98	-	2-3000	St	6	-	-	*											
†Valencia (Cahire'n)	1002.9	-2	N	3	OT 29	42	87	8	-	CuNb	10	-	-	4	1002.3	0	WNW	3	OT	45	75	8	2-3000	CuNb	10	-	-	4											
†Anglesey (Llangefni)	1000.9	-1	NNW	3	opq	41	87	4	-	CuNb	10	-	-	*	1004.8	+1	ENE	2	o	37	92	1	2-3000	St	10	-	-	1											
†Falmouth	1000.9	-1	NNW	3	opq	41	87	4	-	CuNb	10	-	-	*	1001.8	0	NW	2	cg	39	92	5	-	CuNb	7	-	-	*											
†Calshot (Hants)	1001.2	-1	SE	3	OT 5	42	92	3	1-1500	Nb	10	-	-	4	1000.7	-1	E	3	o	40	98	4	2-500	St	10	-	-	4											
†Capel (Folkestone)	1002.7	0	N	3	OT 5	38	98	2	1-1000	Nb	10	-	-	3	1002.2	-1	E	1	OT	39	98	2	1-1000	Nb	10	-	-	2											
Aberdeen	1012.6	+3	ESE	7	OT 6	39	75	7	-	Nb	10	-	-	6	1015.8	+3	E	6	o	39	87	7	-	CuNb	9	-	-	6											
†East Fortune	1009.4	+1	ESE	4	OT 5	40	87	6	2-3000	Nb	7	-	-	*	1017.1	+4	ESE	5	bers	38	87	-	2-3000	Nb	5	-	-	*											
†Flemborough Hd.	1005.4	-2	E	6	OT 29	39	92	8	1-1500	Nb	7	asc	3	*	1006.0	0	ENE	5	o	38	75	8	2-3000	St	8	asc	1	*											
†Felixstowe	1004.2	0	N	4	OT 1	40	92	3	2-3000	St	10	-	-	4	1003.0	0	E	1	o	38	98	4	1-1500	St	10	-	-	4											
†Cranwell (Lincs)	1005.5	+2	NE	3	o	38	87	8	2-3000	St	5	asc	5	*	1005.2	+2	NE	1	o	36	92	5	2-3000	St	7	asc	3	*											
†Bedford	1004.1	0	ENE	3	o	39	92	3	1-1500	St	10	-	-	*	1004.0	0	ENE	2	o	36	87	3	1-1500	St	10	-	-	*											
Benson	1002.3	0	NE	2	o	41	98	3	-	-	-	-	-	*	1002.2	0	ENE	4	o	38	92	4	-	St	10	-	-	*											
London (Kew Obs.)	1002.4	-2	NE	1	om	43	87	3	1-2000	St	10	-	-	*	1002.5	0	NE	3	om	39	87	2	2-3000	St	10	-	-	*											
1H. G.M.T. OF 10 TH															7H. G.M.T. OF 10 TH																								
†Horton B. (Orkney)	1012.2	+2	NE	5	OS	32	97	5	-	St	10	-	-	*	1014.6	+2	NE	5	os	33	87	7	-	St	9	-	-	*											
†Eskdalemuir	1011.2	+1	ENE	4	bc f	37	97	-	2-3000	Cu	5	-	-	*	1015.0	+5	NE	3	c	37	92	6	2-3000	St	4	asc	4	*											
†Stranraer	1011.2	+1	ENE	4	bc f	37	97	-	2-3000	Cu	5	-	-	*	1015.0	+5	NE	3	c	37	92	6	2-3000	St	4	asc	4	*											
†Lough Foyle	1011.2	+1	ENE	4	bc f	37	97	-	2-3000	Cu	5	-	-	*	1015.0	+5	NE	3	c	37	92	6	2-3000	St	4	asc	4	*											
†Valencia (Cahire'n)	1006.1	+5	NNE	2	bc	36	*	*	*	*	*	*	*	*	1011.0	+6	NE	3	bcz	37	87	5	-	St	5	-	-	0											
†Anglesey (Llangefni)	1007.2	+4	E	4	o	39	82	-	2-3000	CuNb	10	-	-	4	1004.0	+2	NNE	3	bcn	36	92	5	-	CuNb	5	-	-	*											
†Falmouth	1002.1	+1	NNW	3	o	37	97	5	-	CuN	10	-	-	6	1001.9	-1	NE	2	o	38	92	4	2-500	St	10	-	-	4											
†Calshot (Hants)	1002.9	+1	ENE	3	OT	40	92	4	1-1500	Nb	10	-	-	3	999.7	-2	ENE	2	OT	41	98	2	1-1500	St	10	-	-	2											
†Capel (Folkestone)	1001.5	-1	ESE	3	o	40	92	4	1-1500	St	10	-	-	3	999.7	-2	ENE	2	OT	41	98	2	1-1500	St	10	-	-	2											
Aberdeen	1017.8	+3	ESE	4	o	36	92	3	1-1500	St	10	-	-	*	1018.6	+1	E	5	ch	37	65	8	-	CuNb	7	-	-	5											
†East Fortune	1014.3	+1	ESE	6	OT 19	40	82	-	2-3000	Nb	9	-	-	*	1016.2	+2	ENE	4	os	38	75	6	1-2000	Nb	7	-	-	*											
†Flemborough Hd.	1006.7	+1	ENE	6	OT 19	39	92	4	1-1500	Nb	9	-	-	*	1016.2	+2	ENE	4	os	38	75	6	1-2000	Nb	7	-	-	*											
†Felixstowe	1003.2	-1	NNW	3	OT 1	39	97	4	-	Nb	10	-	-	2	1002.5	-1	N	3	OT 1	42	98	1	1-1000	St	10	-	-	3											
†Cranwell (Lincs)	1005.5	0	NNE	1	o	36	92	5	2-3000	St	7	asc	3	*	1006.1	0	N	3	o	39	92	6	2-3000	St	7	asc	3	*											
†Bedford	1004.0	-1	NE	3	o	36	87	3	1-1500	St	10	-	-	*	1003.7	0	NNE	2	om	37	92	3	1-1500	St	10	-	-	*											
Benson	1002.3	0	NE	2	o	41	98	3	-	-	-	-	-	*	1001.9	+1	NE	3	o	36	92	4	-	St	10	-	-	*											
London (Kew Obs.)	1002.1	0	ENE	3	o	36	*	*	*	*	*	*	*	*	1001.7	0	N	3	om	38	75	5	2-3000	St	5	asc	4	*											
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.																																							
STATIONS.	Barom. at M.S.L. m.b.	TEMP. °F.	WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Direc. of Upper Cloud.	Weather.	Sea.	Rainfall mm.	TEMP.			WEATHER.			Sunshine Hours.																	
			Direc.	Force 0-12.		at M.S.L. m.b.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Direc.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.																			
18H. G.M.T. OF 9 TH															7H. G.M.T. OF 10 TH															24 HOURS ENDED 7H. OF 10 TH									
Lerwick	1014.7	39	SE	1	o	1019.2	-3	38	-3	NNE	1	-	om	1	2	42	33	cmg	om	omr	*																		
Stornoway	1015.6	40	ENE	6	op	1020.3	+1	34	-5	-	0	-	b	0	-	42	34	opq	op	o.b	0.0																		
Castlebay (Barra)	1011.8	41	ENE	4	op	1015.6	+3	41	-	E	3	E	c	3	Trace	44	40	OT	op	op.c	0.1																		
Glasgow	1011.5	35	ENE	3	bc	1016.6	+3	36	+2	ENE	4	E	c	*	2	38	33	OTSPM	omg.c	c.besp	0.0																		
Malin Head	1005.8	43	SE	5	cm	1012.0	+1	42	+8	ENE	5	NE	c	3	-	44	33	cm	cm	c	0.0																		
Blacksod Point	1003.6	39	E	3	c	1012.9	+5	40	-	ESE	2	-	om	3	0.4	44	36	c.or	r.o.c	cpo	*																		
Roche's Point	1002.6	39	N	2	c	1008.6	+2	37	+2	N	3	-	o	2	3	41	35	c.or	r.o.c	cpo	*																		
Birr Castle	1003.3	36	SE	1	c	1010.4	*	36	+2	NE	2	-	o	*	1	38	30	OT	o.c	c.ow	0.0																		
Donaghadee	1007.0	42	SE	5	omg	1012.9	+2	41	+6	SE	5	-	omg	5	-	46	?	bcn	omg	bcg	*																		
Liverpool (Bidston)	1005.3	38	E	3	m	1007.5	+2	37	+2	NE	4	-	o	3	0.2	42	35	f	m	c.om	0.0																		
Holyhead	1005.3	40	E	4	omg	1008.0	+3	40	+5	ENE	6	-	op	5	1	44	35	b.b.c	o.c.om	om.op	0.3																		
Pembroke (St. Ann's Head)	1002.9	40	NE	2	op	1005.9	+2	38	-1	NE	2	-	og	2	0.4	47	35	og	og	op.c.v	0.0																		
Selly (St. Mary's)	1003.3	40	NW	3	bc	1004.0	0	44	+4	NNW	4	N	c	4	4	47	40	rc	c.bc	cg	2.8																		
Jersey (St. Aubin)	999.7	47	WNW	5	o	998.7	0	39	-6	WNW	4	NW	b	3	4	51	38	bcg/p	o.c.o	op.o.b	3.7																		
Portland Bill	998.9	42	NE	3	c	1000.2	+1	38	-1	NNE	5	-	c	4	9	48	36	OT	opcl	cpq	*																		
Dungeness	1001.5	42	E	1	r	999.3	-1	45	+6	ENE	5	NE	c	4	12	45	39	omc	c.or	orc	*																		
Wick	1017.4	40	ESE	6	omThp	1019.2	-	40	-1	NE	1	-	om	3	1	44	37	c.omg	omgpp	ompq	*																		
Nairn	1016.0	36	-	0	c	1019.3	*	30	-7	-	0	-	bc	1	0.2	39	28	bcg	cg	cg.bex	0.4																		
Leith	1016.6	37	SE	3	r	1015.4	+1	39	+2	E	4	-	oga	3	8	42	36	r.op.c	c.opgr	rq.rso	*																		
Tynemouth	10099																																						

SUMMARY OF CONDITIONS AT 7 A.M. Monday, 10th November, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	N-E. 5-20	Moderate	Dull, some mist or fog.	Var.	Mod.
2. E. England	N-E. 10-25	R. cold	Dull, squally, local mist or fog and rain.	"	Variable
3. E. Midlands	N-NE. 5-10	"	Overcast, local mist.	Indiff.	-
4. W. Midlands	NE. 5-15	"	Dull.	"	-
5. S.W. England	NE-N. 5-20	Cold	Fair to overcast, local mist.	Ord.	Mod.
6. South Wales	NE-N. 5-10	"	Dull.	"	Smooth
7. North Wales	ENE. 15-25	R. cold	Overcast, local showers.	"	R. rough
8. N.W. England	NE-E. 15	"	Overcast.	Poor	Slight
9. N. Midlands	NE-E. 15-20	"	Dull.	Indiff.	-
10. N.E. England	NE-E. 15-25	"	Dull, squally, some rain or sleet.	Var.	Rough.
11. E. Scotland	NE-E. 5-20	"	Dull, slight hail locally.	Var.	Mod.
12. S.W. Scotland	NE-E. 10-20	"	Dull.	Good	"
13. Isle of Man	E. 10-20	"	Dull.	Ord.	"
14. N. & N.W. Scotland	N-E. 0-10	"	Fair to overcast, local mist.	Var.	Smooth
15. Hebrides	NE-E. 0-10	"	Fine to cloudy.	Ord.	"
16. Orkneys and Shetlands	NE-E. 0-10	"	Dull.	"	"
17. N.W. Ireland	NE-E. 5-10	"	Cloudy.	"	Slight
18. N.E. Ireland	NE-E. 10-20	"	Dull, squally, local mist.	Var.	R. rough
19. S.E. Ireland	N-NE. 5-15	Cold	Overcast, local mist.	Indiff.	Smooth
20. S.W. Ireland	N-NE. 10	"	Fair to overcast.	Fair	V. smooth



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

An anticyclone is situated to the north-west of Iceland and a depression over the Eastern part of the English Channel. The depression will probably move to eastward. The wind will continue NE. or E. generally with low temperature and rather unsettled weather.

EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by arrow 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 & clouded.
 ⊙ sky & clouded. ⊙ sky & clouded.
 ⊕ overcast sky. ⊕ rain falling.
 * snow. * hail. = fog. = rain.
 T thunder. T thunderstorm.
SEA DISTURBANCE.— Rough High

Districts.	Forecasts for the 24 hours commencing 3 p.m. 9 a.m. November, 1919
1. S.E. England	Moderate or fresh winds between E. and NE., stronger locally. Cloudy or dull, some showers of rain, hail or sleet. Mist locally. Cold.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	Moderate winds between N. and NE. fresh locally. Cloudy or dull, local showers of rain, hail or sleet. Cold.
6. South Wales	
7. North Wales	Same as for 1-4
8. N.W. England	
9. N. Midlands	
10. N.E. England	
11. E. Scotland	Moderate or fresh winds between E. and NE. Cloudy or dull, some showers of rain, hail or snow. Cold.
12. S.W. Scotland	
13. Isle of Man	
14. N. & N.W. Scotland	Light or moderate N-NE. winds. Cloudy or dull, some showers of rain, sleet or snow. Cold.
15. Hebrides	
16. Orkneys and Shetlands	Moderate or fresh winds between E. and NE. Cloudy or dull, local showers. Cold.
17. N.W. Ireland	
18. N.E. Ireland	Light or moderate N. to NE. winds. Variable cloud. Cold.
19. S.E. Ireland	
20. S.W. Ireland	

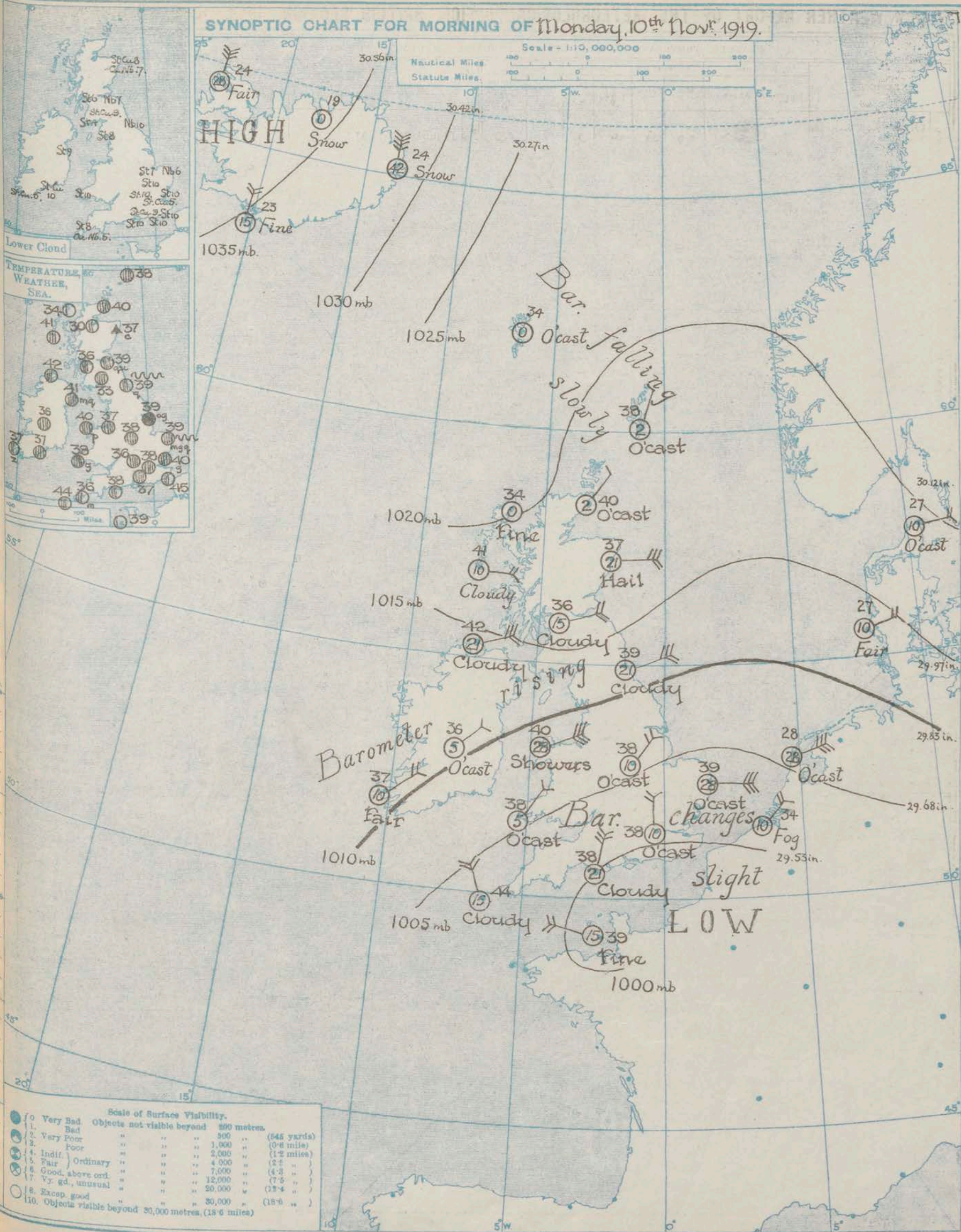
Further Outlook.

Cold weather is likely to continue, but with general conditions improving in the west.

SYNOPTIC CHART FOR MORNING OF Monday, 10th Nov. 1919.

Nautical Miles
Statute Miles

Scale - 1:10,000,000



Scale of Surface Visibility.

Symbol	Description	Objects not visible beyond	Feet	Miles
1	Very Bad	"	500	(548 yards)
2	Bad	"	1,000	(0.8 mile)
3	Very Poor	"	2,000	(1.2 miles)
4	Poor	"	4,000	(2.5 ")
5	Indif.	Ordinary	7,000	(4.3 ")
6	Fair	"	12,000	(7.5 ")
7	Good, above ord.	"	20,000	(12.4 ")
8	Vy. gd., unusual	"	30,000	(18.6 ")
9	Except. 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. 2148 Monday 10th November 1919

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 9 TH																			
STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-24h	Day. 9h-17h		Sunrise to Sunset			Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-24h	Day. 9h-17h		Sunrise to Sunset
Scotland.	Oban			40	31	4	2		0.0	England, N.W.	Douglas (I.O.M.)								
	Banff	op.	op.								Blackpool								
	Montrose										Southport	mc.o.	c.o.bc.	42	32	0.1	-		0.2
	St. Andrews																		
England, N.E.	Harrogate	o.	op.o	39	35	4	0.2		0.0	Midlands.	Buxton			40	33	-	1		0.0
	Skegness										Leamington Spa	of.	o			-			0.0
											Malvern								
											Ross-on-Wye	smi.	of.	40	31	-	1		0.0
England, E.	Felixstowe	ogmp.	og.	43	39	1	1		0.0	Wales.	Rhyl	x	x.o.	44	27	2	-		0.0
	Walton-on-Naze										Colwyn Bay	x	x.	40	30	1	-		0.1
	Southend-on-Sea										Llandudno	o	o	45	30	5	-		0.0
											Aberystwyth								
England, S.E.	Margate									England, S.W.	Weymouth								
	Ramsgate										Teignmouth								
	Folkestone	f.or.	f.or.	44	39	-	3		0.0		Torquay			37	34	13	8		0.0
	Hastings										Paignton	ov	ovpm	40	32	3	5		
	Eastbourne	o.	of.c.o	46	40	-	5		0.0		Penzance	of.	of.c.	43	36	16	3		0.1
	Brighton										Newquay	of.	of.	42	35	16	2		0.0
	Worthing	o.	to.	44	39	-	2		0.0		Bude								
	Littlehampton	cmr.	om	45	40	-	3		0.0		Ilfracombe								
	Bournemouth	x.	x.	42	32	1	1		0.5		Weston-s-Mare								
	Tonbridge Wells	o	of	44	39	-	2		0.0										

STATIONS.		SUMMARIES FOR PAST 24 HOURS.										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.		
		WEATHER				Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass. ° F.	RAINFALL.		Sun. Hours.				Limits of Velocity.		
		7h-13h.	13h-18h.	18h-24h.	1h-7h.				Day. 7h-18h.	Night. 18h-7h.					No.	Statute miles per hour.	Metres per second.
†Houton Bay (Orkney)... Eskdalemuir		osm. orsm.	oprs. o.c	opsm.	osm.co	36	32	30	*	*	*	0.0	0	Less than 1	Less than 0.3		
†Stranraer		c.o.c.o	c.o.c.o	bccz	c.o	40	34	*	*	*	*	*	1	1-3	0.3-1.5		
†Lough Foyle								*	*	*	*	*	2	4-7	1.6-3.3		
Valencia (Cahirciveen) ...		o.opq	opq.op		r.o.c.b.bcz	46	34	30	10	1	0.0	*	3	8-12	5.4-5.4		
†Anglesey (Llangefni) ...			o.c.o	c.o				*	*	*	*	*	4	13-18	5.4-7.9		
Falmouth		or.bcp.	or.o	opr	o.c.bc	41	35	32	2	3	0.5	*	5	19-24	8.0-10.7		
†Calshot (Hants)		r.cm.	b.o.	b.o	b.o	42	36	*	*	*	*	*	6	25-31	10.8-13.8		
†Capel (Folkestone)... ..		of.rz	or.	of.r	op	41	37	*	*	*	*	*	7	32-33	13.9-17.1		
Aberdeen		or.hpq.	opq	crhpg		42	37	34	2	0.3	0.0	*	8	30-46	17.2-20.7		
†East Fortune		p2	pr2 rh.	rh.	prh.ps.	41	34	*	*	*	*	*	9	47-54	20.8-24.4		
†Framborough Head...		v.p.	p.v	prh.	pd.	-	-	*	*	*	*	*	10	55-63	24.5-28.4		
†Felixstowe		o.ofz	o.om	pd.	pd.			*	*	*	*	*	11	64-75	28.5-33.5		
†Cranwell (Lines)		od.o	or.	o	c.om	39	34	*	*	*	*	*	12	Above 75	33.6 or above		
†Bedford		f.pd.	oz	omr	oz	40	34	*	*	*	*	*					
Benson		o	o	o	o	42	35	34	-	-	*	*					
London (Kew Obsy.)		omp.om	omp.om	omo	omo	43	36	35	1	0.1	0.0	*					

LONDON. OBSERVATIONS.	WEATHER.			Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass. ° F.	Rain- fall. mm.	Sun- shine to Sunset. Hours.	HUMIDITY %		SOUTH KENSINGTON (Meteorological Office).	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.				
	Morning.	Afternoon.	Night.						15 h. G.M.T.	9 h. G.M.T.		10 th & 11 th NOVEMBER..... 1919.				
	24 HOURS ENDED 9H G.M.T. 10 th								YESTERDAY.	TO-DAY.		Stations.			Sunrise.	Noon.	Sunset.
Greenwich (Royal Observatory)	od	or	od	42	36	35	1	0.0	88	86	Vertical Component of Solar Radiation per Square Centimetre during yesterday.	G.M.T.	G.M.T.	G.M.T.		
City (Bunhill Row) ...	*	*	*	*	*	*	*	0.0	*	*		7.6	11.37	4.8		
Westminster (St. James's Park)	*	*	*	47	38	35	0.3	0.0	92	92		7.8	11.37	4.6		
" (Admiralty Arch)	omgm	odm.o	om	44	39	*	1	0.0	90	92		7.4	11.44	4.7		
Camden Sq. (British Rainfall)	-	-	*	42	37	35	1	0.0	90	98	Total 59 Joules.	7.2	11.44	4.6		
Kensington Palace ...	od	o	*	43	36	36	0.3	18.88	86	86		7.1	11.44	4.1		
											Milliwatts.	Average Rate. 1.5 Maximum Rate. 5	Wick ...	7.51	11.56	3.59
													Valencia ...	7.53	12.25	4.57
														7.55	12.25	4.55

NOTES ON THE WEATHER OF YESTERDAY.

Dull showery weather was general over the whole country and snow fell locally in Scotland. The rainfall amounted to 12 mm. at Dungeness and 11 mm. at Valencia. Very little sunshine was reported the highest amount being 3.7 hours at Jersey, and 2.8 hours at Scilly. Temperatures were mostly below 45° except in in west and south-west England. Jersey reported a maximum of 51° and Portland 48°. The lowest reading in the screen was 28° reported from Nairn.



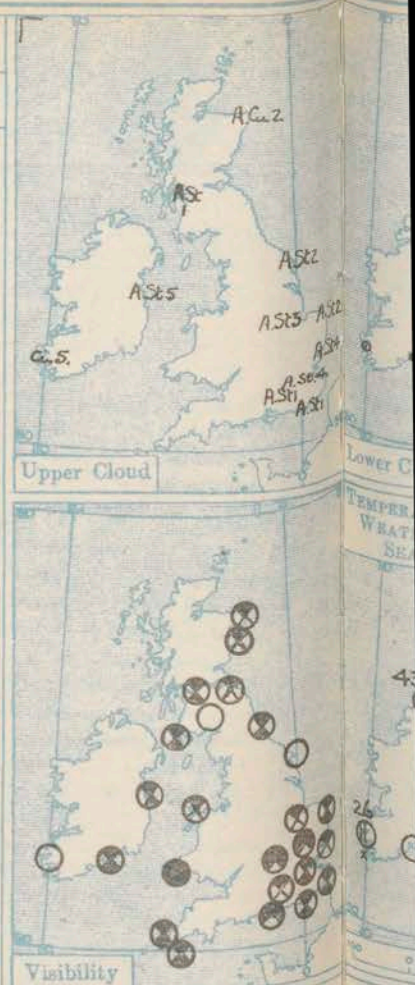
METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No 21,173 B TUESDAY, 11TH NOVEMBER....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.		Weather.	TEMP. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud.		Upper Cloud.		Sea 0-9.	Barom. at M.S.L. m.b.	Change in 3 hours.	WIND.		Weather.	TEMP. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud Feet.	Low Cloud.		Upper Cloud.		Sea 0-9.	
			Dir.	Force 0-12.						Form.	Amt. 0-10.	Form.	Amt. 0-10.				Dir.	Force 0-12.						Form.	Amt. 0-10.				
			13h. G.M.T. OF 10 th														18h. G.M.T. OF 10 th												
†Houton B. (Orkney)	1015.9	0	NE	4	b.s.	35	75	8	-	Cu	2	-	-	*	1016.7	+1	N	1	6	28	82	6	-	St.	1	-	-	*	
Eskdalemuir ...	1016.0	+2	NE	6	b	40	82	7	2-3000	Cu	3	-	-	*	1017.4	0	NE	2	6	31	92	-	2-3000	St	3	-	-	*	
†Stranraer ...	1016.0	+2	NE	6	b	40	82	7	2-3000	Cu	3	-	-	*	1017.4	0	NE	2	6	31	92	-	2-3000	St	3	-	-	*	
†Lough Foyle ...	1014.3	+3	NE	2	b	43	75	8	2-3000	Cu	2	-	-	2	1016.7	+4	ENE	2	6c	39	82	8	2-3000	Cu	4	-	-	2	
Valencia (Cahire'n)	1014.3	+3	NE	2	b	43	75	8	2-3000	Cu	2	-	-	2	1016.7	+4	ENE	2	6c	39	82	8	2-3000	Cu	4	-	-	2	
†Anglesey (Llangefni)	1010.9	-1	ENE	6	o	40	75	7	2-3000	St.Cu	10	-	-	5	1013.5	+3	ENE	6	o	39	82	6	3-4000	St.Cu	10	-	-	5	
Falmouth ...	1006.3	+3	NNE	3	om	42	75	5	-	St.Cu	3	A.Cu	6	*	1008.6	+2	NNE	3	ome	40	75	3	-	St	10	-	-	4	
†Calshot (Hants) ...	1003.4	+1	NW	3	or.	40	87	5	1-1500	St.	10	-	-	4	1017.1	+5	ENE	3	om	39	75	5	1-1000	St	10	-	-	4	
†Capel (Folkestone)	1001.0	+1	NE	6	of.	38	92	2	1-1000	St.	10	-	-	2	1003.4	+3	NE	7	o	35	92	5	1-1500	St	10	-	-	5	
Aberdeen ...	1018.0	-2	NNW	1	o	39	65	7	-	-	-	-	-	4	1015.2	-3	NNW	5	os	33	98	2	-	Nb	10	-	-	4	
†East Fortune ...	1016.8	-0	ENE	4	c	40	65	7	2-3000	Cu.Nb	7	-	-	*	1016.4	0	NNW	1	c	33	87	-	5-7000	St.Cu	5	A.Cu	3	*	
†Flamborough Head ...	1010.4	+1	NE	7	os. q	37	98	7	1-1500	Nb	8	A-St	2	*	1011.4	+1	NE	6	6	37	65	8	2-3000	St.Cu	3	-	-	*	
†Felixstowe ...	1014.5	+1	N	5	o	36	92	5	1-1500	St.	10	-	-	5	1006.0	+2	NW	3	oh	36	98	3	1-1500	St	10	-	-	5	
†Cranwell (Lincs)	1008.4	+3	NE	4	c	38	87	8	2-3000	St.	3	Ci	5	*	1010.6	+4	NNE	3	6c	33	98	6	2-3000	St	3	Ci	2	*	
†Bedford ...	1003.7	+1	NE	4	or. s. q	36	87	5	1-1500	St.	10	-	-	*	1008.9	+4	NNE	3	c	34	87	5	2-3000	St.Cu	7	-	-	*	
Benson ...	1004.1	+3	NE	5	o	37	87	5	-	-	-	-	-	*	1007.8	+3	NE	3	o	36	82	7	-	St	10	-	-	*	
London (Kew Obs.)	1003.9	+2	NE	4	orm	39	87	4	2-3000	Nb	9	A-St	1	*	1006.4	+3	NNE	4	o	37	75	5	2-3000	St.Cu	10	-	-	*	
1h. G.M.T. OF 11 th																													
†Houton B. (Orkney)	1013.5	-2	NNW	4	b. s	31	65	4	-	Cu	1	-	-	*	1014.6	+1	N	3	os.	29	87	8	2-3000	St.Cu	9	-	-	*	
Eskdalemuir ...	1005.3	-1	NNE	2	c	37	92	1	2-3000	St.Cu	7	-	-	*	1014.8	+1	NNE	2	b	31	98	5	1-1000	St.Cu	3	-	-	*	
†Stranraer ...	1005.3	-1	NNE	2	c	37	92	1	2-3000	St.Cu	7	-	-	*	1014.8	+1	NNE	2	b	31	98	5	1-1000	St.Cu	3	-	-	*	
†Lough Foyle ...	1018.6	+2	NNE	2	bc	33	*	*	*	*	*	*	*	0	1017.2	-1	NE	2	bcx	26	87	10	-	-	-	Cu.	5	2	
Valencia (Cahire'n)	1018.6	+2	NNE	2	bc	33	*	*	*	*	*	*	*	0	1017.2	-1	NE	2	bcx	26	87	10	-	-	-	Cu.	5	2	
†Anglesey (Llangefni)	1013.0	+5	NNE	2	b	34	82	6	-	St.Cu	1	-	-	*	1011.3	-2	NNE	4	bc	38	75	7	2-3000	St.Cu	6	-	-	3	
Falmouth ...	1013.0	+5	NNE	2	b	34	82	6	-	St.Cu	1	-	-	*	1011.3	-2	NNE	4	bc	38	75	7	2-3000	St.Cu	6	-	-	3	
†Calshot (Hants) ...	1005.5	+1	NNE	7	o	32	98	5	1-1500	St	10	-	-	?	1009.0	+2	NNW	3	of.	30	92	2	1-1000	St.	10	-	-	3	
†Capel (Folkestone)	1005.5	+1	NNE	7	o	32	98	5	1-1500	St	10	-	-	?	1009.0	+2	NNW	3	of.	30	92	2	1-1000	St.	10	-	-	3	
Aberdeen ...	1014.9	0	E	1	o	34	87	4	11-2000	St.Cu	6	-	-	*	1015.5	+1	NNW	2	bc	33	65	7	-	Cu	4	-	-	4	
†East Fortune ...	1013.5	-3	NNW	4	bc	35	82	4	3-4000	St.Cu	4	-	-	*	1014.7	+2	NNE	4	bc	36	75	6	3-4000	Nb	5	-	-	*	
†Flamborough Head ...	1010.4	0	NE	3	o	37	95	7	2-3000	St	8	A-St	1	*	1010.4	+1	N	5	cq	34	75	8	2-3000	St.	6	A-St	2	*	
†Felixstowe ...	1006.8	0	W	3	c	33	87	5	11-2000	St.Cu	5	A.Cu	3	6	1008.1	+2	NW	3	c	31	92	6	2-3000	St.	3	A-St	4	2	
†Cranwell (Lincs)	1011.8	+1	NNW	3	S	30	88	3	11-2000	Nb	10	-	-	*	1011.3	0	N	3	o	31	98	6	2-3000	St.	7	A-St	3	*	
†Bedford ...	1010.0	+2	NNW	3	U	30	92	5	2-3000	St.Cu	6	-	-	*	1010.0	0	NNW	3	om	22	87	3	1-1500	St.	10	-	-	*	
Benson ...	1009.1	+2	N	3	bc	34	*	*	*	*	*	*	*	*	1010.1	+1	NNW	1	ox	28	92	3	-	St.	10	-	-	*	
London ...	1009.1	+2	N	3	bc	34	*	*	*	*	*	*	*	*	1010.2	+1	NNW	2	ox	32	82	4	2-3000	St.Cu	5	A-St	4	*	
(M.O. at 11h)																													
STATIONS CONTRIBUTING REPORTS AT 7h AND 18h.																													
STATIONS.	Barom. at M.S.L. m.b.	TEMP. °F.	WIND.		Weather.	Barometer. at M.S.L. m.b.	TEMPERATURE. Temp. °F.	Change in 24 hours.	WIND. Dir.	Force 0-12.	Dir.	Weather.	Sea 0-9.	Rainfall mm.	TEMP.			WEATHER.			Sunshine Hours.								
			Dir.	Force 0-12.											Max. °F.	Min. °F.	Morning.	Afternoon.	Night.										
			7h. G.M.T. OF 11 th														24 HOURS ENDED 7h. 11 th						10 th						
Lerwick ...	1016.9	39	E	3	cm	1017.1	-1	36	-2	-	0	-	bc.m	0	Trace	40	34	bc.m	cm	cm	5.9								
Stornoway ...	1018.4	34	SE	1	b	1015.6	0	32	-2	-	0	-	bc	1	-	45	30	b	b	c.bc	7.1								
Castlebay (Barras)	1018.7	37	-	0	b	1016.1	0	38	-	-	0	-	bc	1	-	45	36	c.bc	b	c.bc	7.1								
Glasgow ...	1017.5	33	W	1	b	1016.1	+2	32	-4	NNW	12	-	o	0.2	38	30	b.bcsb	bcsb.6	b.bcsb	6.4									
Malin Head ...	1017.1	40	NE	1	bc	1017.1	-1	43	+1	NW	2	NW	c	2	-	43	37	bc	bc	c	4.8								
Blacksod Point ...	1016.9	40	-	0	bc	1020.3	-2	37	-	SW	1	-	bc	1	-	44	30	bc	bc	bc	*								
Roche's Point ...	1015.9	37	N	2	b	1016.9	0	33	-4	NNW	2	-	b	1	0.1	45	30	o.bc	bc.b	bx	5.3								
Birr Castle ...	1016.0	33	N	1	bc	1017.8	*	16	-20	NE	1	-	b	*	1	42	16	ep	c.bc	b	*								
Donaghadee ...	1016.7	40	E	5	bc	1015.0	0	42	+1	NE	5	-	bcq	5	-	43	34	cmq	bcq	bcq	*								
Liverpool (Bidston)	1013.3	35	NE	4	m	1012.3	-1	34	-3	NNE	2	N	o	2	-	41	30	cp bc	bc.m	bc	0.9								
Holyhead ...	1014.3	40	ENE	6	ohp	1012.8	-2	41	+1	NE	7	NE	cq	6	3	42	36	cpq	ch/q	bc.phq	1.1								
Pembroke (St. Ann's Head)	1011.4	38	NNE	3	bc	1015.0	0	35	-3	NW	3	-	oprs	2	1	44	32	c.o	c.bc	bc.oprs	2.6								
Scilly (St. Mary's)	1008.7	44	NNE	4	c	1014.9	+1	36	-8	ESE	2	NE	bc	4	2	45	35	c.op	o.c	c.bcp	0.0								
Jersey (St. Aubin)	1003.8	46	N	3	o	1010.4	+1	40	+1	N	3	N	c	3	9	47	38	b.opg	o.c.o	or.o.c	0.0								
Portland Bill ...	1005.4	39	NE	5	og	1010.6	+1	33	-5	N	4	-	b	3	0.2	45	32	o	opg	c.b	*								
Dungeness ...	1002.3	38	NE	6	og	1006.3	+2	30	-15	N	4	NE	b	4	2	45	30	cp cq	c.og	qps.bc	*								
Wick ...																													

SUMMARY OF CONDITIONS AT 7 A.M. Tuesday, 11th November, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	N-NNW. 5-20	Cold	Variable cloud.	Fair	Mod.
2. E. England	N-NW. 5-15	"	Cloudy, some hail or snow.	Good	"
3. E. Midlands	N-NNW. 0-10	"	Dull, some mist and slight snow.	Var.	-
4. W. Midlands	N. 0-10	"	Dull, some snow.	Indiff.	-
5. S.W. England	N. 5-10	"	Fine.	Fair	Slight
6. South Wales	N-NW. 5-10	"	Dull, some snow.	V. poor	Smooth
7. North Wales	N-NE. 15-30	R. cold	Fair or cloudy.	Good	Var.
8. N.W. England	N-NE. 0-10	Cold	Dull.	Fair	Smooth
9. N. Midlands	N-NE. 5-15	"	Dull, some snow.	"	-
10. N.E. England	N-NE. 10-25	"	Dull, squally, some snow and thunderstorms.	Good	Mod.
11. E. Scotland	N-NE. 0-10	"	Fine to cloudy.	"	"
12. S.W. Scotland	N. 5-10	"	Variable cloud.	Fair.	Slight
13. Isle of Man	N-NE. 10-20	R. cold	Fair or cloudy.	Ord.	Mod.
14. N. & N.W. Scotland	Var. 0-10	"	Fair to dull.	"	Slight
15. Hebrides	" "	Cold	Fair	"	Calm
16. Orkneys and Shetlands	" "	R. cold	Fair.	"	"
17. N.W. Ireland	NW. 0-10	"	Fair or cloudy.	"	Smooth
18. N.E. Ireland	NW-NE. 5-20	"	Fair, squally locally.	"	Mod.
19. S.E. Ireland	Var. 0-5	Cold	Fine to cloudy.	"	Smooth
20. S.W. Ireland	NW-NE. 5	V. cold	Fair or fine.	Good	"



EXPLANATION.
BAROMETER.—Isobars are drawn for 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 & clouded.
 ⊙ sky & clouded. ⊙ sky & clouded.
 ⊕ overcast sky. ⊕ rain falling.
 * snow. ▲ hail. = fog. = mist.
 T thunder. F thunderstorm.
SEA DISTURBANCE.— Rough. High.

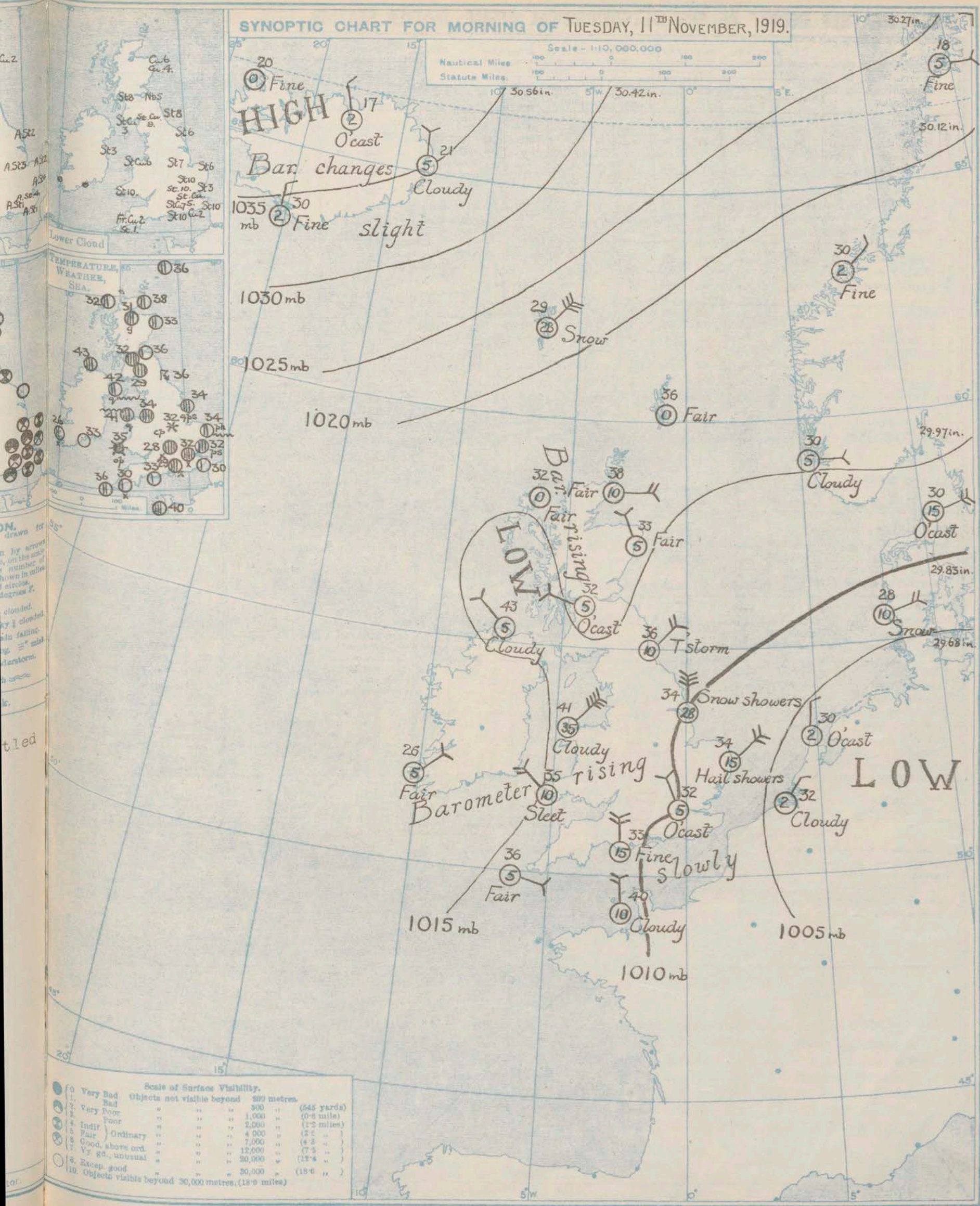
GENERAL INFERENCE from observations received up to 9 a.m.

A depression over Holland is moving away eastward or north-eastward. A shallow depression off the west of Scotland will probably move slowly south-west. Cold, rather unsettled weather will continue in most districts.

Districts.	Forecasts for the 24 hours commencing 3 p.m. 11th November, 1919	Further Outlook.
1. S.E. England	Light or moderate winds between N. and NE. fresh locally. Cloudy or dull with brighter intervals, some showers of rain, hail or snow. Cold.	Cold unsettled weather is likely to continue.
2. E. England		
3. E. Midlands		
4. W. Midlands		
5. S.W. England		
6. South Wales		
7. North Wales	Light NE. winds. Variable sky, some showers of sleet, hail or snow. Cold.	
8. N.W. England		
9. N. Midlands		
10. N.E. England	Same as for 1-9	
11. E. Scotland	Light or moderate winds between E. and NE. Cloudy, some showers of sleet, hail or snow. Cold.	
12. S.W. Scotland		
13. Isle of Man		
14. N. & N.W. Scotland	Winds between NW. and NE. light or moderate. Cloudy, some showers of rain, hail or snow. Cold.	
15. Hebrides		
16. Orkneys and Shetlands		
17. N.W. Ireland	Light or moderate NW. winds. Fair to cloudy, some showers of rain, hail or snow. Cold.	
18. N.E. Ireland		
19. S.E. Ireland		
20. S.W. Ireland		

SYNOPTIC CHART FOR MORNING OF TUESDAY, 11TH NOVEMBER, 1919.

Scale - 1:10,000,000
Nautical Miles 0 100 200 300
Statute Miles 0 100 200 300



Scale of Surface Visibility.

Symbol	Very Bad	Bad	Objects not visible beyond	300 metres	(540 yards)
1	Very Bad	Bad	"	"	"
2	Very Poor	Poor	"	1,000 "	(0.6 mile)
3	Indist	Ordinary	"	2,000 "	(1.2 miles)
4	Fair	"	"	4,000 "	(2.5 "
5	Good, above ord.	"	"	7,000 "	(4.3 "
6	Vy. gd., unusual	"	"	12,000 "	(7.5 "
7	Excep. good	"	"	20,000 "	(12.4 "
8	Objects visible beyond 30,000 metres (18.6 miles)	"	"	30,000 "	(18.6 "

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 315.. B

Tuesday
11th November

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

STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-9h. 10th.	Day. 9h-17h. 10th.	Sunrise to Sun- set. 10th.	Forenoon.			Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-9h. 10th.	Day. 9h-17h. 10th.	Sunrise to Sun- set. 10th.		
Scotland,	Oban	*	o.bcp	42	32	-	-	0.3	England, N.W.	Douglas (I.O.M.)									
	Banff	bc	bc.op	41	30	0.2	1	2.1		Blackpool	*	c	40	35	0.1	-	3.2		
	Montrose									Southport	c.bc.c.b	c.bc.b	41	34	-	-	3.9		
	St. Andrews	*	*	41	33	2	-	4.4											
England, N.E.	Harrogate	bc.b.bcp	c.b.casp	38	31	1	1	2.3	Midlands.	Buxton	cs.b	cs.c	34	31	1	0.3	0.0		
	Skegness	orh.pq	orh.pq	41	35	1	3	0.0		Leamington Spa	or	o	38	35	-	1	0.0		
	Scarborough	*	*	?	?	1	-	1.8		Malvern	o	o	38	34	-	0.2	0.0		
										Ross-on-Wye	om	orm	39	35	1	0.4	0.0		
England, E.	Felixstowe	og.p	og.p	41	36	1	-	0.0	Wales.	Rhyl	c	c	41	30	1	-	0.1		
	Walton-on-Naze									Colwyn Bay	*	*	41	37	-	-	0.5		
	Southend-on-Sea	o.c.o	o.c	41	36	1	-	0.0		Llandudno	c	o	43	38	0.2	-	0.8		
										Aberystwyth	o.c.o	c.o	40	37	-	-	0.3		
England, S.E.	Margate	o	o	43	40	8	-	0.0	England, S.W.	Weymouth	o	o.d.o	41	36	2	0.3	0.0		
	Ramsgate	*	o	43	36	7	-	0.0		Teignmouth									
	Folkestone	c.o	o	42	37	7	-	0.0		Torquay	o	o	41	34	0	-	0.0		
	Hastings									Paignton	c	o	42	34	8	-	0.0		
	Eastbourne	o	o	43	36	2	-	0.0		Penzance	o.c	oprh	43	38	6	2	0.1		
	Brighton	o.d.o	o	44	35	1	0.4	0.0		Newquay	o	op.h	41	37	2	1	0.0		
	Worthing	o	o	42	38	-	-	0.0		Bude	o	o	42	34	3	0.4	0.0		
	Littlehampton	*	*	42	37	-	-	0.0		Ilfracombe		r							
	Bournemouth	*	*	41	36	7	-	0.0		Weston-s-Mare	o.c	or	41	37	-	0.3	0.0		
	Tunbridge Wells	or	o.s.o	40	34	1	3	0.0											

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.				Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	RAINFALL.		Sun. Hours.
	7h-18h 10th.	18h-18h 10th.	18h-18h 10th.	18h-18h 10th.				Day. 7h-18h.	Night. 18h-7h.	
†Houton Bay (Orkney) ...								*	*	*
Eskdalemuir	c.e.p.s.bcb	bcp.c.b	c.e.p.s.b	bz.b.c	36	27	23	1	0.3	6.9
†Stranraer	b.b.cq	b.b.c	bc.c.w	b.b.c	-	-	*	*	*	*
†Lough Foyle								*	*	*
Valencia (Cabiriveen) ...	bc.b	b.b.c	c.b.c.bx		43	26	20	-	-	6.4
†Anglesey (Llangefni) ...	og	prh	bc.c		42	34	*	*	*	*
Falmouth	om.sm	om.oma	o.b.c.b	bx	42	28	23	Trace	-	0.2
†Calshot (Hants)	om	om	o		42	29	*	*	*	*
†Capel (Folkestone)	opd	opd	s.o	os	39	30	*	*	*	*
Aberdeen	bchp.o	c.osg	os.b		40	32	28	3	1	1.0
†East Fortune	b.c.r.s.	cs.os	c.o.s.	s.o.g	40	33	*	*	*	*
†Flamborough Head	pr.s.g	prh	W.g	b.b.c.b	42	31	*	*	*	*
†Felixstowe	pr	pr	grh.	bc	40	30	*	*	*	*
†Cranwell (Lincs)	ps	cap.sop	ps.b.c	ps.ps	38	27	*	*	*	*
†Bedford	g	o	c.o.g	2x	38	28	*	*	*	*
Benson	o	o	ps.xf		39	26	19	-	0.3	*
London (Kew Obs.)	om.orm	orm.o	o.c.o.x		37	30	23	-	-	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. 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	1-2	0.3-1.5
2	4-7	1.6-3.8
3	8-12	3.4-5.4
4	13-18	5.6-7.9
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.

SYMBOLS—

Aurora ☄ ar halo ☄
Rime ☄ Lunar halo ☄
Glazed frost ☄ Solar corona ☄
Glazed roads ☄ Lunar corona ☄

LONDON OBSERVATIONS.

	24 HOURS ENDED 9H G.M.T. 11 th							YESTERDAY.		TO-DAY.
	Morning.	Afternoon.	Night.	Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rain-fall. mm.	Sun-shine to Sunset. Hours.	Humidity %	
Greenwich (Royal Observatory)	o	od	o.c.o.x	39	30	23	-	0.0	82	80
City (Bunhill Row)	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James's Park)	*	*	*	41	31	25	1	0.0	78	87
" (Admiralty Arch)	om.o	gr.o.dmg	om.c.b.c.g	40	32	*	-	0.0	87	86
Camden Sq. (British Rainfall)	od	od	*	39	29	25	Trace	0.9	84	91
Kensington Palace	o	o	*	40	29	26	1	*	18h.82	80

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	
Total 29 Joules.	
Milliwatts.	
Average Rate. 0.8	
Maximum Rate. 3	

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

11th & 12th November 1919.			
Stations.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.8	11.37	4.6
	7.10	11.37	4.4
Greenwich ...	7.12	11.44	4.14
	7.14	11.44	3.59
Wick ...	7.53	11.56	4.55
	7.55	11.56	4.55
Valencia ...	7.57	12.25	4.53

NOTES ON THE WEATHER OF YESTERDAY.

The weather was again cold and unsettled in most districts. Very little sunshine was recorded in England. Southport reported 3.9 hours. In Scotland, Eskdalemuir had 6.9 hours, Glasgow 6.4 hours and Oban 6.3 hours. In Ireland Valencia had 6.4 hours sunshine. Showers of rain, hail or snow fell in most parts of England, Jersey reported 9 mm. rainfall, Folkestone and Ramsgate 7 mm. and Tynemouth 6 mm. Temperatures were again very low for the time of year, the highest maximum reported being 45°.

† Air Ministry Station.

* Information for these columns not usually received.



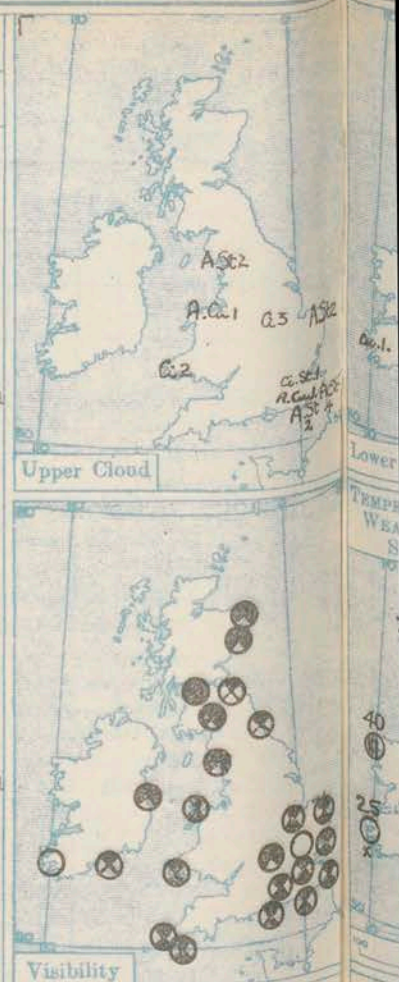
METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No. 21,74B WEDNESDAY, 12TH NOVEMBER, 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 19H.																													
STATIONS.	BAROM.	Change	WIND.		Weather.	TEMP.	HUMIDITY.	VISIBILITY.	Height	Low Cloud.	Upper Cloud.	Sea.	BAROM.	Change	WIND.		Weather.	TEMP.	HUMIDITY.	VISIBILITY.	Height	Low Cloud.	Upper Cloud.	Sea.					
	at	in 3	Dir.	Force		°F.	%	0-10.	Feet.	Form.	Amt.	Form.	Amt.	at	in 3	Dir.		Force	°F.	%	0-10.	Feet.	Form.	Amt.	Form.	Amt.			
	M.S.L.	hours.	0-12.	0-10.		0-10.	0-10.	0-10.	0-9.	M.S.L.	hours.	0-12.	0-10.	0-9.	M.S.L.	hours.		0-12.	0-10.	0-9.	M.S.L.	hours.	0-12.	0-10.	0-9.	M.S.L.	hours.	0-12.	0-10.	0-9.
13H. G.M.T. OF 11 TH														19H. G.M.T. OF 11 TH															
†Houton B. (Orkney)	1015.3	+1	N	2	b2	33	75	5	-	-	-	A. Cu	1	*	1016.0	0	N	2	6	28	65	7	-	Sc	2	Ac	2	*	
†Eskdalemuir ...	1016.0	0	NNE	3	b	41	92	4	2-3000	St.	2	-	-	*	1016.0	0	NNE	3	6	35	75	3	2-3000	St. Cu	10	-	-	*	
†Stranraer ...	1016.0	0	NNE	3	b	41	92	4	2-3000	St.	2	-	-	*	1016.0	0	NNE	3	6	35	75	3	2-3000	St. Cu	10	-	-	*	
†Lough Foyle ...	1016.8	-1	ENE	1	c	42	65	10	-	-	-	Fr. Cu	7	2	1017.0	+1	ENE	2	6	26	75	10	-	-	Sc	4	2	*	
Valencia (Cahire'n)	1016.8	-1	ENE	1	c	42	65	10	-	-	-	Fr. Cu	7	2	1017.0	+1	ENE	2	6	26	75	10	-	-	Sc	4	2	*	
†Anglesey (Llangefnol)	1014.6	+2	ENE	3	bc	40	65	8	2-3000	St. Cu	5	A. St.	1	4	1014.5	0	NNE	2	0	35	75	3	2-3000	St. Cu	10	-	-	*	
Falmouth ...	1013.3	-3	NW	4	c	40	75	8	-	Cu. Nb	7	-	-	*	1013.7	0	NNE	3	6	35	82	6	-	St. Cu	1	-	-	*	
†Calshot (Hants) ...	1011.4	0	NE	3	0	39	75	3	2-3000	Cu	10	-	-	3	1012.0	+2	NE	1	6	34	75	6	-	-	-	-	2	*	
†Capel (Folkestone)	1007.9	-3	N	6	bc	35	82	7	1-1500	Cu	6	-	-	5	1009.5	+2	NNW	7	6	31	87	8	-	-	-	-	5	*	
Aberdeen ...	1015.8	0	NW	3	bc	35	82	7	-	St. Cu	5	-	-	3	1015.4	0	NW	3	bc	30	92	6	-	St. Cu	4	-	-	3	*
†East Fortune ...	1015.6	0	N	4	c	37	65	7	4-5000	St. Cu	7	-	-	*	1015.4	0	N	3	0	36	75	-	4-5000	St. Cu	9	-	-	*	
†Flamboro' Head ...	1010.6	-2	NE	5	bc	38	65	8	2-3000	Nb	3	Cl. St.	3	*	1012.1	+1	NE	5	sq	35	65	8	2-3000	Cu. Nb	3	-	-	*	
†Felixstowe ...	1009.1	0	NNW	4	bc	38	82	6	2-3000	Fr. Cu	6	-	-	3	1009.7	+1	NNW	5	bc	32	92	4	1-1500	St. Cu	5	-	-	3	*
†Cranwell (Lines)	1011.8	+2	NW	3	bc	35	87	6	2-3000	St.	2	Cl.	2	*	1013.1	+3	NW	3	csq	30	98	5	2-3000	Nb	9	-	-	*	
†Bedford ...	1010.8	0	N	4	bc	35	82	5	2-3000	St.	6	-	-	*	1011.7	0	N	2	bc	31	97	5	1-2000	St.	4	Cl. Cu	2	*	
Benson ...	1013.2	-1	N	3	bc	36	75	5	-	-	-	-	-	*	1012.0	+3	-	0	6	29	92	6	-	-	-	-	*		
London (Kew Obs.)	1010.7	0	N	3	c	36	65	5	2-3000	Cu	5	A. Cu	2	*	1011.2	+1	N	1	bc	32	75	5	-	-	-	-	-	*	
1H. G.M.T. OF 12 TH														7H. G.M.T. OF 12 TH															
†Houton B. (Orkney)	1014.8	-3	-	0	0	21	97	7	-	-	-	A. St.	10	+	1010.8	-4	-	0	OS	24	98	3	-	St.	10	-	-	*	
†Eskdalemuir ...	1012.4	-3	-	0	0	26	98	-	3-4000	St.	10	-	-	*	1010.8	-4	-	0	OS	24	98	3	-	St.	10	-	-	*	
†Stranraer ...	1012.4	-3	-	0	0	26	98	-	3-4000	St.	10	-	-	*	1010.8	-4	-	0	OS	24	98	3	-	St.	10	-	-	*	
†Lough Foyle ...	1016.8	0	-	0	bc	31	*	*	*	*	*	*	*	0	1015.3	-2	ENE	2	bc	25	87	10	-	Cu	1	-	-	3	*
Valencia (Cahire'n)	1016.8	0	-	0	bc	31	*	*	*	*	*	*	*	0	1015.3	-2	ENE	2	bc	25	87	10	-	Cu	1	-	-	3	*
†Anglesey (Llangefnol)	1015.0	0	-	0	bc	28	75	5	3-4000	St. Cu	5	-	-	1	1012.4	-4	SSW	3	c	31	87	4	4-5000	St. Cu	6	A. Cu	1	4	*
Falmouth ...	1014.4	-1	NNE	2	bc	33	75	6	-	-	-	A. Cu	0	*	1014.3	0	NNE	1	bc	27	87	4	-	-	-	-	-	*	
†Calshot (Hants) ...	1012.9	+1	NNE	3	0	33	75	6	3-4000	Cu	8	-	-	0	1013.0	0	NE	3	b	28	82	4	-	-	-	-	-	3	*
†Capel (Folkestone)	1008.1	-1	NNW	6	Sc	30	98	5	2-1000	Nb	10	-	-	5	1008.3	-1	N	7	bc	30	98	5	2-1000	St.	2	A. St.	4	5	*
Aberdeen ...	1013.4	-3	SSW	2	0	33	92	3	<500	St.	10	-	-	*	1010.1	-2	SSW	2	OS	35	75	3	-	St.	10	-	-	3	*
†East Fortune ...	1012.2	0	NE	4	Fr	37	65	8	2-3000	Cu	3	A. St.	2	*	1009.5	-2	E	1	OS	32	92	6	3-4000	Nb	9	-	-	*	
†Flamboro' Head ...	1009.5	0	NNW	3	c	33	98	4	1-2000	St.	8	-	-	4	1010.2	0	NNW	3	b	30	98	4	1-1500	St. Cu	3	-	-	3	*
†Felixstowe ...	1013.8	0	NW	3	0	29	98	4	2-3000	St.	9	A. St.	3	*	1013.2	-1	W	2	bc	24	98	4	2-3000	St.	2	Cl.	3	*	
†Cranwell (Lines)	1011.9	0	N	3	f	29	87	3	2-3000	St. Cu	2	-	-	*	1012.0	0	NW	2	bc	28	87	10	2-3000	St. Cu	6	-	-	*	
†Bedford ...	1011.9	0	N	3	f	29	87	3	2-3000	St. Cu	2	-	-	*	1012.0	0	NW	2	bc	28	87	10	2-3000	St. Cu	6	-	-	*	
Benson ...	1011.5	+1	NW	2	bc	31	*	*	*	*	*	*	*	*	1014.5	0	NNW	1	bc	27	87	4	-	-	-	-	Cl. St.	1	*
London (Kew Obs.)	1011.5	+1	NW	2	bc	31	*	*	*	*	*	*	*	*	1014.5	0	NNW	1	bc	27	87	4	-	-	-	-	Cl. St.	1	*
STATIONS CONTRIBUTING REPORTS AT 7H AND 19H.																													
STATIONS.	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.	TEMPERATURE.	WIND.		Dir.	Force	of Upper Cloud.	Weather.	Sea.	Rainfall mm.	TEMP.			WEATHER.			Sunshine Hours.							
	at	Change	Dir.	Force		at	Change	Temp.	Change							Dir.	Force	Max.	Min.	Morning.	Afternoon.	Night.							
	M.S.L.	in 3 hours.	0-12.	0-10.		M.S.L.	in 3 hours.	°F.	in 24 hours.			°F.				0-12.	0-10.	0-12.	0-10.	0-12.	0-10.	0-12.	0-10.	0-12.	0-10.	0-12.	0-10.	0-12.	0-10.	0-12.
19H. G.M.T. OF 11 TH														7H. G.M.T. OF 12 TH															
Lerwick ...	1011.6	34	-	0	cm	1011.4	-2	34	-2	N	1	-	cm	1	2	40	32	bc	osm	cm	ops	0.0							
Stornoway ...	1011.9	35	SSE	1	or	1012.5	+3	33	+1	NE	5	-	ops	4	11	38	32	or	or	ops	0.7								
Castellbay (Barra Is)	1012.1	36	W	4	op	1012.1	+4	37	?	N	5	N	0	5	7	46	34	bc. a. c.	c. op	tr. c. o.	0.7								
Glasgow ...	1016.5	32	NNE	2	b	1008.1	-5	32	0	SE	2	-	oms	*	4	38	26	a. c. bc	bc. b	bc. x. os	7.5								
Malin Head ...	1014.6	42	W	2	bc	1006.4	-4	40	-3	NNE	5	N	cpb	3	5	45	32	bc	bc	cmghp	3.5								
Blacksod Point ...	1016.1	37	SW	1	b	1014.2	0	40	?	SW	3	-	c	4	5	44	34	b	c	bc. or	*								
Roche's Point ...	1018.0	37	NNE	2	b	1015.6	-1	28	-5	ENE	1	-	b	1	0.2	44	28	b. bc	b	bx	*								
Birr Castle ...	1016.4	39	-	0	m	1012.1	*	32	+16	SE	1	-	s	*	1	41	16	bx. c.	bx. f.	bx. os	5.3								
Donaghadee ...	1016.0	41	E	1	cg	1009.2	-4	32	-10	W	1	-	bcmx	1	-	44	31	bc	bc	bm	*								
Liverpool (Bidston)	1014.3	33	NNE	2	bc	1011.8	-3	30	-4	SE	2	-	c	2	-	38	29	b	bc	b. bc	6.6								
Holyhead ...	1014.8	40	NE	4	cg	1010.9	-3	38	-3	WSW	4	W	cg	2	Trace	44	32	cg	eph	c. bc. cg	4.0								
Pembroke (St. Ann's Head)	1014.0	35	NNE	1	bc	1014.0	-1	33	-2	-	0	N	bcv	1	4	42	32	crsp	bcv	bv	4.8								
Scilly (

SUMMARY OF CONDITIONS AT 7 A.M. Wednesday, 12th November, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	N-NW. 5-25	V. cold	Fine.	Ord.	Mod.
2. E. England	N-NW. 10-25	Cold	Fair or fine, some snow.	"	"
3. E. Midlands	Var. 0-10	V. cold	Fair or fine, local mist.	Poor	"
4. W. Midlands	Var. 0-10	"	Fair.	Indiff.	"
5. S.W. England	N. 0-10	"	Fair or fine, local mist.	Ord.	Slight
6. South Wales	Calm	"	Fair or fine.	Good	V. smooth
7. North Wales	S-SW. 5-15	Cold	Cloudy.	Indiff.	Slight
8. N.W. England	SE-S. 5-10	V. cold	Dull.	Poor	Smooth
9. N. Midlands	Var. 0-10	"	Variable cloud.	Indiff.	"
10. N.E. England	NW. 5-15	"	Dull, some mist and snow.	Ord.	Mod.
11. E. Scotland	SW-E. 0-5	R. cold	Dull, snow.	Var.	Slight
12. S.W. Scotland	Var. 0-5	V. cold	Overcast, mist and snow.	Poor	Smooth
13. Isle of Man	Var. 0-5	Cold	Cloudy.	Indiff.	"
14. N. & N.W. Scotland	N-NE. 5-20	"	Dull, some snow.	"	Med.
15. Hebrides	N-NE. 20	"	Dull, some snow.	"	R. rough
16. Orkneys and Shetlands	N-NE. 5-15	"	Dull, some mist.	Poor	Smooth
17. N.W. Ireland	N-NE. 10-20	R. cold	Cloudy, some showers.	Ord.	Slight
18. N.E. Ireland	Var. 0-10	Cold	Fair to overcast, some snow.	Poor	Smooth
19. S.E. Ireland	Var. 0-10	"	Dull, snow.	"	"
20. S.W. Ireland	NE. 0-5	V. cold	Fine.	Good	"



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

A depression over Scotland and North Ireland is deepening and spreading in a south-easterly direction. Cold, wintry weather will be general with snow in Northern districts.

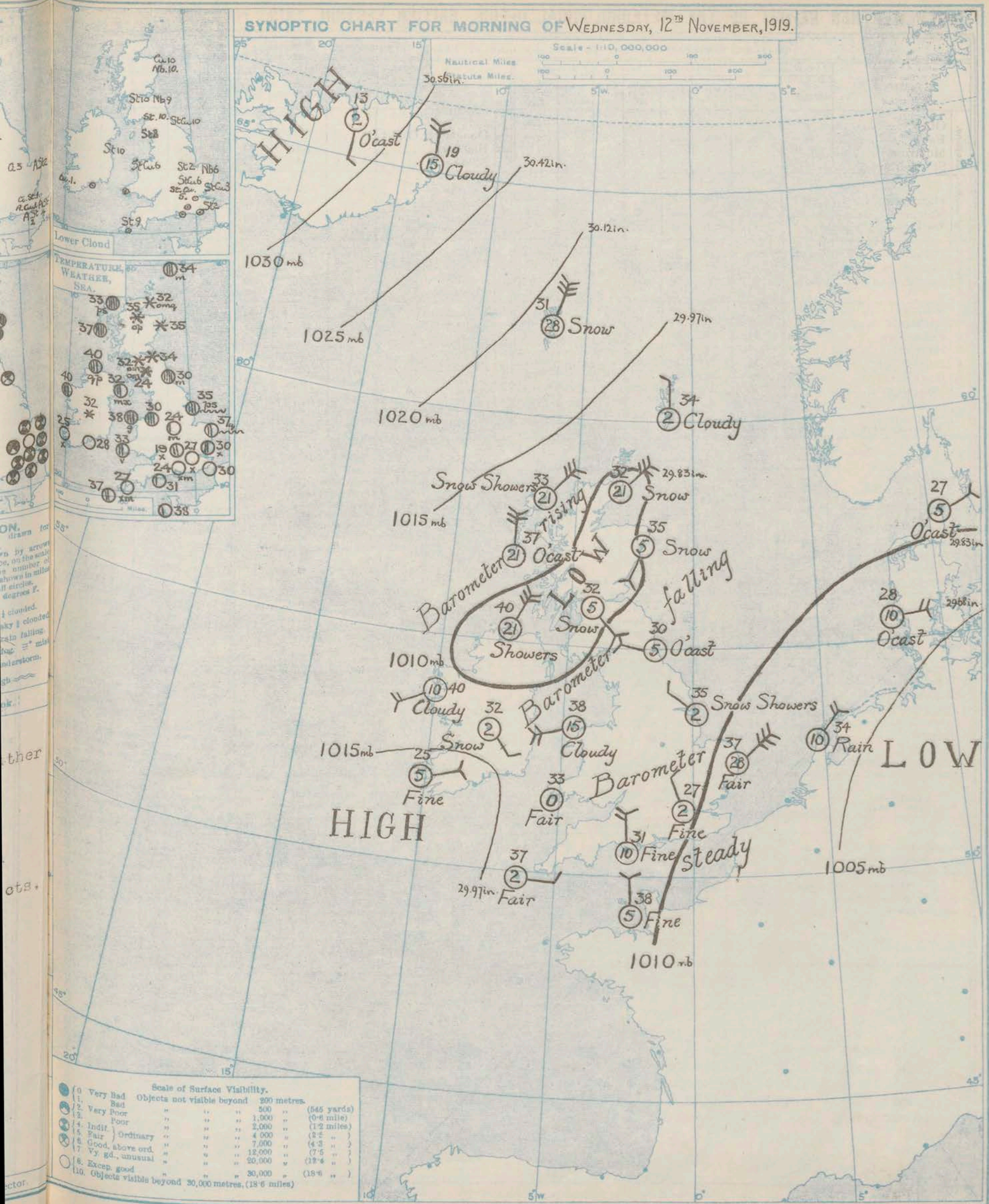
EXPLANATION.
BAROMETER.—Isobars are drawn for intervals of five millibars.
WIND.—Direction is shown by arrow flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE.—Is given in degrees F.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

Districts.	Forecasts for the 24 hours commencing 3 p.m. Wednesday, 12th November, 1919
1. S.E. England	Winds between NW. and NE. light or moderate, fresh locally. Fine at first, becoming less settled with probably snow showers later. Cold.
2. E. England	
3. E. Midlands	Light variable winds becoming N. to NE. later. Fair to cloudy, some hail or snow showers. Cold.
4. W. Midlands	
5. S.W. England	Light or moderate winds between N. and NW. Fair to cloudy, local snow showers. Cold.
6. South Wales	
7. North Wales	Light or moderate winds between W. and SW. veering to N. or NE. later. Cloudy, some showers of rain or snow. Cold.
8. N.W. England	
9. N. Midlands	
10. N.E. England	Light variable winds becoming N. to NE. later and freshening. Cloudy or dull, some snow. Cold.
11. E. Scotland	
12. S.W. Scotland	
13. Isle of Man	
14. N. & N.W. Scotland	Fresh to moderate winds between N. and NE. Cloudy, some snow showers. Cold.
15. Hebrides	
16. Orkneys and Shetlands	
17. N.W. Ireland	Moderate or fresh winds between N. and NE. Cloudy, some showers of rain or snow. Cold.
18. N.E. Ireland	
19. S.E. Ireland	Light variable winds becoming Nly. Fair or fine, less settled later. Cold.
20. S.W. Ireland	

Further Outlook.

Cold, rather unsettled weather is probable in most districts.

SYNOPTIC CHART FOR MORNING OF WEDNESDAY, 12TH NOVEMBER, 1919.



DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 16. B

Wednesday
12th November 1919

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 11 th																			
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-9h. 10h-17h. 10h-17h.	Day. 9h-17h. 10h-17h.	Sunrise to Sun- set. 11h-11h.	Forenoon.			Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-9h. 10h-17h. 10h-17h.	Day. 9h-17h. 10h-17h.	Sunrise to Sun- set. 11h-11h.		
Scotland.	Oban	*	b	42	26	-	-	6.5	England, N.W.	Douglas (I.O.M.)	*	c.bc	39	29	-	-	7.3		
	Banff	bc	bc	42	33	1	-	2.4		Blackpool	*	c.bc	39	29	-	-	7.3		
	Montrose									Southport	b.bc.b	b	38	30	-	-	7.5		
	St. Andrews																		
England, N.E.	Harrogate	osp	c.bc.cosp	35	28	1	0.4	1.0	Midlands.	Buxton	bc.s.bc	bc.b	34	26	0.4	-	5.7		
	Skegness	a.c.bsq	b.opsq	39	30	5	1	3.5		Leamington Spa... ..	bc	bc	38	30	-	-	4.4		
	Scarborough	*	*	?	?	-	-	3.0		Malvern	c.bc	bc.b	37	30	-	-	2.3		
										Ross-on-Wye	bc.x	bc.s	40	28	-	0.1	3.5		
England, E.	Felixstowe	bcqps	bcq	38	30	1	-	7.2	Wales.	Rhyl	bc	bc.c	39	36	0.3	-	3.2		
	Walton-on-Naze... ..									Colwyn Bay	*	*	41	37	2	-	2.3		
	Southend-on-Sea... ..	bc.b	b	39	30	0.2	-	7.2		Llandudno	c.b	C	42	36	1	-	2.5		
										Aberystwyth	a.c.b	b.bc	40	33	*	*	6.2		
England, S.E.	Margate	bc.b	bc	40	34	1	-	5.3	England, S.W.	Weymouth	b.bc	bc.b	42	28	-	-	6.4		
	Ramsgate	*	o	41	33	3	-	6.0		Teignmouth									
	Folkestone	strxb	bc	39	31	5	-	6.2		Torquay	c.os	b.c.s.b	40	29	-	3	4.2		
	Hastings									Paignton	bcsp	bc.s.b	42	30	trace	2	3.8		
	Eastbourne... ..	bc	bc	39	30	0.1	-	6.1		Penzance	c.bc	cprh	46	31	1	1	4.6		
	Brighton	cx.bc.b	b	38	30	-	-	7.0		Newquay	bcpgc	b.bc	43	28	-	1	4.5		
	Worthing	b	b	37	29	-	-	7.2		Bude									
	Littlehampton	*	*	40	32	-	-	7.0		Ilfracombe									
	Bournemouth	*	*	38	28	0.3	-	7.2		Weston-s-Mare	b.bc	b.bc	40	31	-	-	6.0		
	Tunbridge Wells	c.o	c.bc	38	28	0.3	-	2.2											

SUMMARIES FOR PAST 24 HOURS.													
STATIONS.		WEATHER.				Max. Temp. °F.		Min. Temp. °F.		Rainfall.		Sun	
		7h-18h.	18h-18h.	18h-18h.	1h-7h.	°F.	°F.	°F.	°F.	Day. 7h-18h.	Night. 18h-7h.	Hours.	Hours.
† Houton Bay (Orkney) ...		esp.bcz	bc.b	bl.bc.c.o	oxm.osm	34	19	15	Trace	0.1	6.3		
† Eskdalemuir ...		b.bcz		c.o									
† Stranraer ...													
† Lough Foyle ...													
Valencia (Cahirciveen) ...		bc.c	c.bc	b.bx		43	23	20	-	-	4.2		
† Anglesey (Llangefni) ...		bc.c	bc.c.o	b.bcpm	b.bcz	42	24	*	*	*	*		
Falmouth ...		xmosh	cphzx	b.bcz	bx.bxm	42	26	19	-	-	5.2		
† Calshot (Hants) ...		o	c.o	b.o	b.bcz	-	-	*	*	*	*		
† Capel (Folkestone) ...		bc.cq	bc.cq	b.bcz	bc.cq	35	30	*	*	*	*		
Aberdeen ...		c.bc	bcx	bcz.os		35	28	26	-	0.2	2.0		
† East Fortune ...		c.o	c.o	c.o	rs	37	30	*	*	*	*		
† Flamborough Head ...		b.bc.prh	spq	b.bcps				*	*	*	*		
† Felixstowe ...		ps	b.bcps	ps.c.o	s	43	30	*	*	*	*		
† Cranwell (Lincs) ...		bc.c.b.c	s	ps.c.o	c.op	36	23	*	*	*	*		
† Bedford ...		s	bc.c	b.bcz	bc.cq	38	25	*	*	*	*		
Benson ...		c	c	b.bcz				*	*	*	*		
London (Kew Obsy.) ...		fx.om.c	c	b.bcz		37	18	12	-	-	*		
				b.bx		38	27	17	Trace	-	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. 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

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

SYMBOLS—
Aurora ☄ Solar halo ☄
Rime ☄ Lunar halo ☄
Glazed frost ☄ Solar corona ☄
Glazed roads ☄ Lunar corona ☄

LONDON. OBSERVATIONS.	WEATHER.			Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass. ° F.	Rain- fall. mm.	Sun- shine to Sunset. Hours.	HUMIDITY %		SOUTH KENSINGTON (Meteorological Office).	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.			
	Morning.	Afternoon.	Night.						15 h. G.M.T.	9 h. G.M.T.					
				24 HOURS ENDED 9h G.M.T. 12 th			YESTERDAY.	TO-DAY.							
Greenwich (Royal Observatory)	0	c.0	b.c.bx	39	28	21	-	2.3	73	83	Vertical Component of Solar Radiation per Square Centimetre during yesterday.	12 th & 13 th November..... 1919.			
City (Bunhill Row) ...	*	*	*	*	*	*	*	0.9	*	*		Stations.	Sunrise.	Noon.	Sunset.
Westminster (St. James's Park)	*	*	*	38	29	23	-	1.3	85	79	G.M.T.	G.M.T.	G.M.T.		
" (Admiralty Arch)	cpsm.bc	bcps	bc.bxm	39	30	*	-	1.0	83	79	Yarmouth ... {	7.10	11.37	4.4	
Camden Sq. (British Rainfall)	c	bcf.bc	*	39	26	24	-	2.0	75	82	Greenwich {	7.12	11.37	4.3	
Kensington Palace ...	bc.b	b	*	38	26	22	-	*	78	92	Total 274 Joules.	7.14	11.44	4.14	
											Milliwatts.	7.16	11.44	4.13	
											Average Rate. 8.4	7.55	11.56	3.57	
											Maximum Rate. 29	7.58	11.56	3.55	
												Valencia ... {	7.57	12.25	4.53
															4.52

SOUTH KENSINGTON (Meteorological Office).
Vertical Component of Solar Radiation per Square Centimetre during yesterday.
Total ... 274 Joules.
Average Rate. 8.4
Maximum Rate. 29

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.			
Stations.	12th & 13th November 1919.		
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.10	11.37	4.4
Greenwich ...	7.12	11.37	4.3
Wick ...	7.14	11.44	4.13
Valencia ...	7.55	11.56	3.55
	7.57	12.25	4.53
	7.59	12.25	4.52

NOTES ON THE WEATHER OF YESTERDAY.

Temperatures were very low for the time of year. The highest maximum reported was 46° from Castlebay and at many stations the maximum value was below 40°. Sunshine reports were fairly good especially in England E., SE. and NW. Scilly had 7.6 hours sunshine, Southport and Glasgow 7.5 hours and other places exceeded 7 hours. Local snow, rain or hail occurred in most districts. Stormoway had 11 mm. rainfall and Castlebay and Wick 7 mm. each.



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

No. 2175.B THURSDAY, 13TH NOVEMBER... 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1h, 7h, 12h AND 18h.																									
STATIONS.	BAROM.	↑	WIND.		WEATHER.	TEMP.	HUMIDITY.	VISIBILITY.	Height of Low Cloud.	Low Cloud.	Upper Cloud.	Sea.	BAROM.	↑	WIND.		WEATHER.	TEMP.	HUMIDITY.	VISIBILITY.	Height of Low Cloud.	Low Cloud.	Upper Cloud.	Sea.	
	at M.S.L. m.b.	Change in 3 hours.	Dir.	Force 0-12.		°F.	%	0-10.	Feet.	Form.	Amt. 0-10.	0-9.	at M.S.L. m.b.	Change in 3 hours.	Dir.	Force 0-12.		°F.	%	0-10.	Feet.	Form.	Amt. 0-10.	0-9.	
12h. G.M.T. OF 12 th													12h. G.M.T. OF 12 th												
†Houton B. (Orkney)	1007.2	-43	SE	3	os	31	82	6	-	st	10	-	1008.5	+2	NE	4	0	29	87	6	-	st	10	-	*
†Eskdalemuir ...	1005.0	0	NNE	1	0	32	98	5	2-3000	st	7	Ast	1007.1	+4	NNE	3	0	34	98	-	2-3000	st	9	-	*
†Stranraer ...	1014.5	-1	NE	1	0	41	87	9	12-2000	st	10	-	1014.2	+1	E	1	6	35	98	9	2-3000	cu	2	-	2
†Lough Foyle ...	1008.5	-7	WNE	4	0	39	92	8	2-3000	st	9	-	1007.1	-2	NNE	11	0	34	92	-	12-2000	st	7	-	3
†Valencia (Cahire'n)	1013.9	-2	WSW	2	c	45	85	6	-	-	7	-	1011.6	-2	WSW	1	63	38	65	6	-	st	1	-	3
†Anglesey (Llangefnol)	1012.1	0	N	1	b	38	75	3	-	-	-	-	1010.8	0	-	0	6	31	75	5	-	-	-	-	3
†Falmouth ...	1009.8	0	N	6	bc	35	82	5	2-3000	Fr. cu	2	ci	1010.4	+2	NNW	3	me	31	98	2	2-3000	Nb	14	-	3
†Calshot (Hants) ...	1009.9	0	W	1	0	33	92	7	-	-	Ast	10	1010.8	+1	N	4	os	34	98	4	-	Nb	10	-	3
†Capel (Folkestone)	1008.4	-1	E	1	os	32	98	1	12-2000	Nb	10	-	1009.6	+2	NNE	2	c	32	98	-	57000	Nb	7	-	*
Aberdeen ...	1009.6	-2	WSW	1	0	35	92	5	2-3000	st	8	Ast	1008.5	0	S	1	0	36	65	5	2-3000	st	10	-	*
†East Fortune ...	1010.3	-2	N	3	bc	38	82	5	2-3000	st	4	ci	1010.7	+1	NW	3	c	34	92	6	3-4000	st	7	-	2
†Flamboro' Head ...	1011.3	-2	WSW	1	cs	33	92	4	2-3000	st	3	ci	1009.1	-2	SSE	1	0	31	92	3	12-2000	st	6	Ast	3
†Felixstowe ...	1010.8	-2	NW	2	bcp	38	75	1	4-5000	st	4	ci	1009.7	-2	SSW	1	c	33	82	2	-	st	7	-	*
†Cranwell (Lincs)	1011.0	-3	NW	1	bc	35	75	4	-	-	-	-	1009.7	-3	W	1	c	32	82	6	-	-	-	-	*
†Bedford ...	1010.9	-2	NNW	2	cm	38	55	5	-	-	Ast	7	1010.0	-1	-	0	bm	33	75	2	-	-	-	-	*
Benson ...	1010.8	+1	NNE	3	os	31	92	4	-	-	Ast	10	1013.2	+3	NNE	3	bcu	29	92	3	-	st	4	-	*
London (Kew Obs.)	1009.8	+2	NNE	3	c	34	92	-	2-3000	st	4	Ast	1013.6	+3	NNE	4	c	30	97	5	2-3000	cu	3	-	*
†Houton B. (Orkney)	1010.8	+1	NNE	3	os	31	92	4	-	-	Ast	10	1013.2	+3	NNE	3	bcu	29	92	3	-	st	4	-	*
†Eskdalemuir ...	1009.8	+2	NNE	3	c	34	92	-	2-3000	st	4	Ast	1013.6	+3	NNE	4	c	30	97	5	2-3000	cu	3	-	*
†Stranraer ...	1015.3	0	-	0	bc	34	*	*	*	*	*	*	1015.2	0	NE	2	bcu	32	75	10	-	-	ci	5	2
†Lough Foyle ...	1008.3	+2	N	4	0	37	75	1	2-3000	st	10	-	1010.5	0	NW	3	bc	37	65	6	-	ci	10	-	*
†Valencia (Cahire'n)	1011.2	0	NW	4	b	37	75	7	-	cu	1	-	1009.9	-1	N	1	om	32	87	2	2-1000	st	10	-	2
†Anglesey (Llangefnol)	?	0	N	2	r.f.	33	87	2	-	-	-	-	1008.4	0	E	2	s	32	94	0	2-1000	Nb	10	-	2
†Falmouth ...	1009.6	-1	W	2	s	32	87	2	2-1000	st	10	-	1013.9	+2	NNW	3	bc	29	92	7	-	ci	2	Ast	2
†Calshot (Hants) ...	1009.6	-1	SW	2	0	32	98	4	2-3000	st	9	-	1013.3	+2	NNE	4	c	31	82	7	2-4000	Nb	4	Ast	3
†Capel (Folkestone)	1009.6	-1	SW	2	0	32	98	4	2-3000	st	9	-	1009.9	+1	SW	2	0	34	?	4	1-1600	Nb	10	-	*
Aberdeen ...	1009.6	-1	SW	2	0	32	98	4	2-3000	st	9	-	1009.6	+1	NIS	2	0	27	97	4	2-3000	st	10	-	2
†East Fortune ...	1009.3	0	ESE	1	0	30	98	3	2-3000	st	6	Ast	1010.9	+2	NW	1	bc	26	92	3	2-3000	st	3	ci	3
†Flamboro' Head ...	1008.5	-1	S	2	s	31	87	4	12-2000	st	10	-	1009.1	+1	ESE	1	of	32	92	1	1-1500	st	10	-	*
†Felixstowe ...	*	*	*	*	*	*	*	*	*	*	*	*	1008.3	+3	-	0	s	31	94	3	-	st	10	-	*
†Cranwell (Lincs)	1008.7	-1	SSW	1	0	35	*	*	*	*	*	*	1009.0	0	-	0	s	33	92	2	2-3000	st	10	-	*
†Bedford ...	STATIONS CONTRIBUTING REPORTS AT 7h AND 18h.																								
STATIONS.	BAROM.	TEMP.	WIND.		WEATHER.	BAROMETER.		TEMPERATURE.		WIND.	Dir.	Force 0-12.	Upper Cloud.	Weather.	Sea.	Rainfall mm.	TEMP.		WEATHER.			Sunshine Hours.			
	at M.S.L. m.b.	°F.	Dir.	Force 0-12.		at M.S.L. m.b.	Change in 3 hours.	Temp. °F.	Change in 24 hours.								Max. °F.	Min. °F.	Morning.	Afternoon.	Night.				
18h. G.M.T. OF 12 th													7h. G.M.T. OF 13 th												
Lerwick ...	1011.4	33	N	3	bcu	1012.0	0	30.3	-4	N	1	-	bcu	1	0.2	39	29	bcu	osm	bcu	*				
Stornoway ...	1015.2	32	NNE	1	osp	1015.6	0	30		W	2	-	c	1	3	35	28	kp. bc	bcu	bcu	2.0				
Castlebay (Barra's)	1014.5	36	NNE	4	bc	1016.1	0	34		NNW	2	-	bc	2	1	40	32	o. bc	bc	bcu, bc	4.4				
Glasgow ...	1010.8	31	NNE	2	og	1015.2	+3	25	-7	SSE	1	-	b	2	3	32	24	smom	om. c. o	osp. bc	0.0				
Malin Head ...	1010.1	40	NE	5	bcu	1012.9	0	37	-3	NNE	3	NE	bc	3	-	44	35	bcu	bcu	bcu	3.7				
Blacksod Point	1013.2	37	NW	1	bcp	1015.1	0	33	-7	-	0	-	bc	2	2	43	28	bcp	bcp	bcp	*				
Roche's Point...	1013.3	37	NNW	2	c	1014.5	0	31	+3	NNW	2	-	b	1	0.3	42	28	bcp. c	bcu	bcu	*				
Birr Castle ...	1012.8	30	N	1	bc	1014.4	*	19	-13	NW	1	-	b	*	-	44	19	b	bc	bcu	6.7				
Donaghadee ...	1008.3	40	N	5	bcu	1012.9	+2	39	+7	N	6	N	bcu	5	2	41	36	mx bc	cpq	cpq	*				
Liverpool (Bldston)	1005.4	35	WSW	3	s	1011.0	+4	30	0	ENE	1	-	0	1	3	37	29	c. os. c	ors	c. o. s	0.4				
Holyhead ...	1006.3	42	NW	6	cpq	1009.2	+2	39	+1	ENE	5	-	cpq	5	3	43	36	cpq	cpq	cpq	1.0				
Pembroke (St. Ann's Head)	1010.3	42	NW	5	cpq	1010.0	0	38	+5	N	3	-	cpq	3	1	44	33	bcu	c. opq	bcu	3.5				
Scilly (St. Mary's)	1014.1	43	NW	4	bc	1012.6	0	40	+3	N	4	N	bc	4	2	47	39	bc	bc	c. bc	6.9				
Jersey (St. Aubin)	1012.2	36	NW	2	c	1008.9	0	39	+1	NW	2	NW	b	2	8	43	32	bcp. c	b. bc. b	ogp. b	2.3				
Portland Bill ...	1009.8	43	WSW	4	c	1007.8	4	38	+7	NNW	4	NNW	b	3	2	44	29	b. bc	bcu	bcu	*				
Dungeness ...	1009.1	32	N	3	b	1007.1	-1	33	+3	NE	2	NE	c	2	3	40	27	bcu	bcu	bcu	*				
Wick ...	1012.7	36	NNW	3	bc	1012.8	0	26	-6	NNW	1	-	bc	2	3	38	24	omps. c	bomps	bc	*				
Nairn ...	1011.9	34	NNE	2	c	1012.9	*	23	-12	-	0	-	bc	1	6	36	21	sq. c. bc	bchp. c	chp. bc	0.4				
Leith ...	1009.2	33	NE	2	s	1013.0	+1	34	0	NE	3	NE	c	3	8	30		s	s	c. o. o. g	*				
Tynemouth ...	1008.3	33	-	0	s	1011.4	+1	29	-1	NW	3	-	om	2	1	34	29	s	s	f. omps.	*				
Spurn Head ...	1009.2	36	SW	2	o	1009.7	0	34	-1	NW	4	-	cg	4	-	37	31	om	ogm	om. c. s	0.0				
Yarmouth (Dorset)	1009.1	34	NNE	3	bc	1008.7	0	29	-8	NNW	2	-	bcu	2	3	40	27	beshp	bchp	bcu	2.2				
Clacton-on-Sea	1009.7	32	NW	2	bc	1008.8	0	31	+1	NNE	2	E	ompx	2	-	39	28	bc	bcu	bcu	5.7				
Northfleet ...	1008.5	32	S	1	s	1010.1	*	23	-1	NE	1	-	bm	*	2	35	22	cm	c. os	s. o	0.0				

* Air Ministry Station.

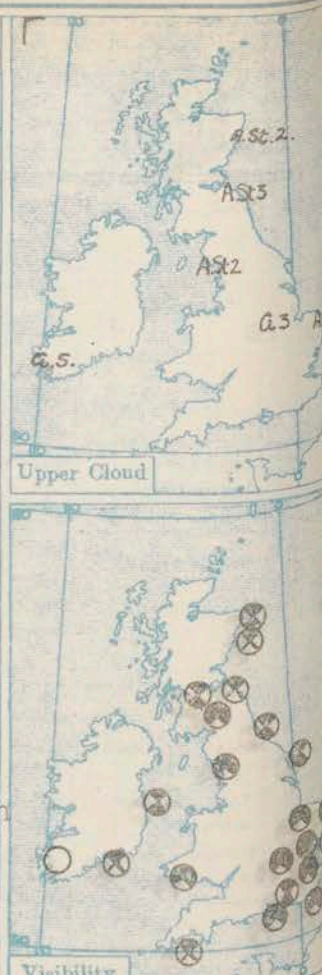
* Information for these columns not usually received.

† The barometric change is expressed in half millibars.

‡ Longside † at 1h.

SUMMARY OF CONDITIONS AT 7 A.M. Thursday, 13th November, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Var. 0-5	Cold	Dull, some snow and mist.	Poor	Smooth
2. E. England	" "	"	Fair to overcast, local mist.	"	"
3. E. Midlands	" "	V. cold	Variable cloud, some slight fog and snow.	V. poor	-
4. W. Midlands	" 0-10	"	Cloudy, some snow.	Poor	-
5. S.W. England	N-NW. 5-15	Cold	Fair or fine.	Good	Mod.
6. South Wales	N-NW. 5-10	"	Dull, some showers.	Poor	Slight
7. North Wales	N-NE. 10-20	"	Dull.	Indiff.	R. rough
8. N.W. England	NE. 0-5	"	Dull.	Poor	Smooth
9. N. Midlands	Var. 0-5	"	Variable cloud.	"	-
10. N.E. England	N-NW. 5-15	"	Dull, some mist.	Indiff.	Slight
11. E. Scotland	NE-NW. 0-10	"	Fair to dull, some snow.	Var.	"
12. S.W. Scotland	Var. 0-10	"	Fair or fine, local mist.	Indiff.	"
13. Isle of Man	N-NE. 15-25	R. cold	Fair or cloudy.	Poor	Mod.
14. N. & N.W. Scotland	-	-	-	-	-
15. Hebrides	-	-	-	-	-
16. Orkneys and Shetlands	N-NW. 0-5	Cold	Fair, local mist.	Poor	V. smooth
17. N.W. Ireland	N-NE. 0-10	"	Fair.	Ord.	Slight
18. N.E. Ireland	NW-NE. 5-25	"	Fair or fine.	"	R. rough
19. S.E. Ireland	N-NW. 0-5	V. cold	Fine	Good	Slight
20. S.W. Ireland	NE-NW. 0-5	Cold	Fair or fine.	V. good	Smooth



GENERAL INFERENCE from observations received up to 9 A.M.

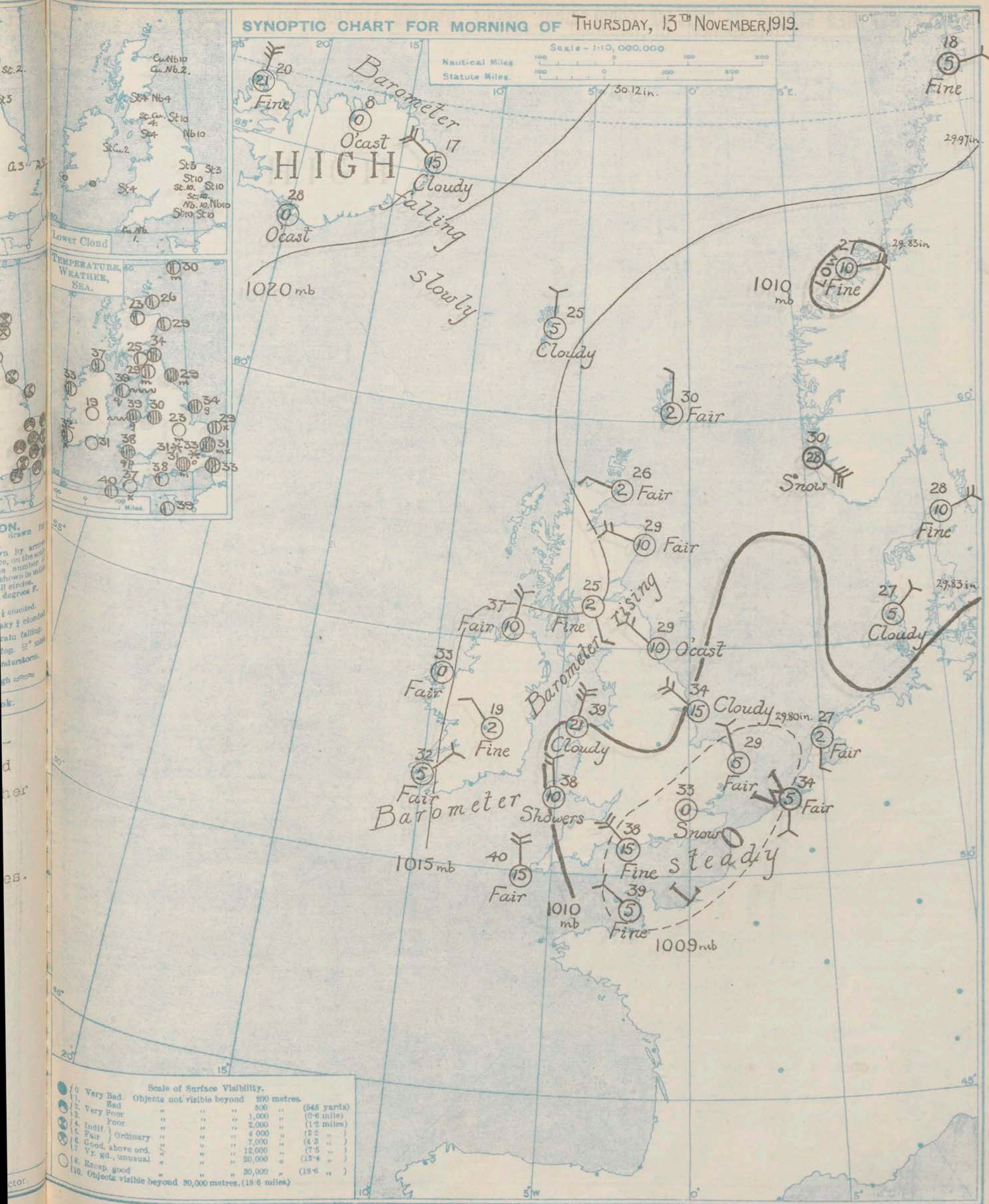
An anticyclone is situated to the north-west of Iceland and a shallow depression over S.E. England. Cold, wintry weather is likely to continue with local snow, sleet or hail.

EXPLANATION:
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by arrow 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 + clouded.
 ⊙ overcast sky. ⊙ sky + clouded.
 * snow. ▲ hail. = fog. = mist.
 T thunder. T thunderstorm.
SEA DISTURBANCE.— Rough — High —

Districts.	Forecasts for the 24 hours commencing 3 p.m. Thursday, 13th November, 1919
1. S.E. England	Light winds between NW. and NE. Cloudy or dull, snow or sleet at times, improving later. Mist or fog locally. Cold.
2. E. England	
3. E. Midlands	
4. W. Midlands	Light or moderate winds between NW. and NE. Fair or cloudy, local snow, hail or rain showers. Cold.
5. S.W. England	
6. South Wales	
7. North Wales	Light or moderate N. to NE. winds, fresh locally. Fair or cloudy, local snow, hail or rain showers. Very cold.
8. N.W. England	
9. N. Midlands	
10. N.E. England	Same as for 3-6
11. E. Scotland	
12. S.W. Scotland	Same as for 7-9
13. Isle of Man	
14. N. & N.W. Scotland	Light winds between NW. and NE. Variable cloud, local hail. Cold.
15. Hebrides	
16. Orkneys and Shetlands	
17. N.W. Ireland	Light or moderate winds between NW. and NE. Fair or cloudy, local showers of snow, hail or rain. Cold.
18. N.E. Ireland	
19. S.E. Ireland	
20. S.W. Ireland	

Further Outlook.
 A continuation of cold wintry weather is probable over the British Isles.

SYNOPTIC CHART FOR MORNING OF THURSDAY, 13TH NOVEMBER, 1919.



DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 317. B

Thursday,
13th November

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

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 10h-11h.	Day. 11h-12h.	1-11.	Sunrise to Sunset 12h.		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 10h-11h.	Day. 11h-12h.	1-11.	Sunrise to Sunset 12h.
Scotland.									England, N.E.								
Oban	s	s.o.b.c.b	30	31	13	-		2.4	Douglas (I.O.M.)								
Banff	s	osp	35	30	8	5		0.0	Blackpool	*	ostl	35	24	-	3		0.0
Montrose									Southport	ohs	c.ohs.c.o	34	25	-	10		0.2
St. Andrews	*	*	35	28	4	2		0.0									
England, N.E.									Midlands.								
Harrogate	a.c.o	o	33	24	-	-		0.3	Buxton	*	*	35	21	-	-		1.4
Skegness	ebc.o	o.bcm	37	29	0.3	1		0.7	Leamington Spa	*	*	34	25	-	-		1.3
Scarborough	*	*	?	?	-	-		0.7	Malvern	c	o	34	25	-	-		0.5
England, E.									Wales.								
Felixstowe	bcp.s	by	40	29	-	-		6.2	Rhyl	a.bc	bcr	41	23	-	3		1.8
Walton-on-Naze									Colwyn Bay	*	*	40	27	-	3		0.0
Southend-on-Sea	bmc	b	38	28	-	-		5.2	Llandudno	o	c.bps	42	27	-	2		1.7
England, S.E.									Aberystwyth	o.c	or.o	42	31	+	+		1.5
Margate	b	b.bc	40	30	-	-		5.7	Weymouth	b.bc	bc.c	44	27	-	-		7.3
Ramsgate	*	bc	42	33	1	-		5.7	Teignmouth								
Folkestone	b	bc	39	30	-	-		6.5	Torquay	b	b.bc	42	20	-	-		6.6
Hastings									Paignton	b	bc	40	24	-	-		7.4
Eastbourne	b	b.bc	39	29	-	-		6.6	Penzance	b.bc	bc	40	29	1	-		7.5
Brighton	bz.b	b.c.c	40	28	-	-		5.7	Newquay	*	*	40	25	-	-		6.8
Worthing	b	b.bc	39	27	-	-		5.9	Bude	a.b.bc	bcp.bc	40	21	2	2		4.0
Littlehampton	*	b.om	40	31	-	-		6.4	Ilfracombe								
Bournemouth	*	*	40	24	-	-		6.8	Weston-s-Mare	bc	bcr	41	23	-	3		3.5
Tunbridge Wells	bm	bcm.b	38	27	-	-		2.1									

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.				Max. Temp. °F.	Min. Temp. °F.	Min. on Grass °F.	RAINFALL.		Sun. Hours.
	7h-13h12 ^m	13h-18h12 ^m	18h12 ^m -1h13 ^m	1h-7h13 ^m				Day. 7h-18h	Night. 18h-7h	
Houston Bay (Orkney)	osm	ps.o	o.c.bpsl.c	os.c.bcm	32	24	18	6	1	0.0
Eskdalemuir	terp	o	c.o	b.b.c	43	29	2	*	*	*
Stranraer								*	*	*
Lough Foyle								*	*	*
Valencia (Cahirciveen)	b.ohp	o.c.b	b.b.c		43	25	22	3	-	1.9
Anglesey (Llangefni)	Sopd.	pd.brh	b.bc	b.b.c	46	26	32	1	6	7.6
Falmouth	bz.b.c	bc.bz	bc.onb	b.b.c	38	31	*	*	*	*
Calshot (Hants)	b	b	s	b.b.c	37	29	*	*	*	*
Capel (Folkestone)	b.bcz	bc.oz	of.	os.	37	29	*	*	*	*
Aberdeen	os.o	o.os	os.c.b.c		35	25	20	3	0.2	0.0
East Fortune	o	o	oprh.	ps.ef.	35	31	*	*	*	*
Flamborough Head	om	b.b.c.z	ps.om		39	30	*	*	*	*
Felixstowe	bc.c	c.o	c.o	c.o	40	26	*	*	*	*
Cranwell (Lincs)	bc.c.c.o	c.o	ps.c	c.c.o	35	23	*	*	*	*
Bedford	c.oz	c.o.f	3.x.s	of.s	38	29	*	*	*	*
Benson	x.bcm	bc	o.s.xm		36	18	22	-	0.1	*
London (Kew Obsy.)	bmx.cm	c.b.f	bc.c.os		38	27	23	Trace	0.1	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. 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	1.5-3.8
3	8-12	3.8-5.4
4	13-18	5.4-7.9
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, 1=moderate, 2=heavy. Underlining is used to express continuity.

SYMBOLS—

Aurora ☄ Solar halo ☉
Rime ☃ Lunar halo ☾
Glazed frost ☑ Solar corona ☼
Glazed roads ☐ Lunar corona ☾

LONDON OBSERVATIONS.

	WEATHER.			Max. Temp. °F.	Min. Temp. °F.	Min. on Grass °F.	Rain-fall. mm.	Sun-shine to Sunset. Hours.	Humidity %	
	Morning	Afternoon	Night						15 h. G.M.T.	9 h. G.M.T.
24 HOURS ENDED 9h G.M.T. 13 th										
	b	b.c.b.c.	o.s.m.	39	29	20	-	3.9	58	93
Greenwich (Royal Observatory)										
City (Bunhill Row)	*	*	*	40	30	22	*		63	90
Westminster (St. James's Park)				41	33			1.8	52	92
Admiralty Arch	b.f.xm.b	b.c.c.	ops.om.oz	40	30	26	-	4.3	76	89
Camden Sq. (British Rainfall)	b.b.c.	c.	*	38	30	26	0.2	*	-	89
Kensington Palace		c	*							

SOUTH KENSINGTON (Meteorological Office).

	Vertical Component of Solar Radiation per Square Centimetre during yesterday.	
	Total	Average Rate.
	Joules.	Milliwatts.
		Maximum Rate.

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

13 th & 14 th November 1919.			
Stations.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	7.12	11.37	4.3
	7.14	11.38	4.2
Greenwich	7.16	11.44	4.13
	7.18	11.45	4.12
Wtck	7.58	11.56	3.55
	8.0	11.57	3.53
Valencia	7.59	12.25	4.52
	8.12	12.26	4.51

NOTES ON THE WEATHER OF YESTERDAY.

Temperatures were again very low, the maximum at many places being below 40°. The highest maximum reported was 47° at Scilly. Snow fell over the whole of Scotland and snow showers in many places in the northern districts of England. Southport had a rainfall of 10 mm. and Leith 8 mm. Sunshine records were rather good in east and south England and at places in Ireland, but were poor elsewhere. Falmouth had 7.6 hours of sunshine and Penzance 7.5 hours.



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

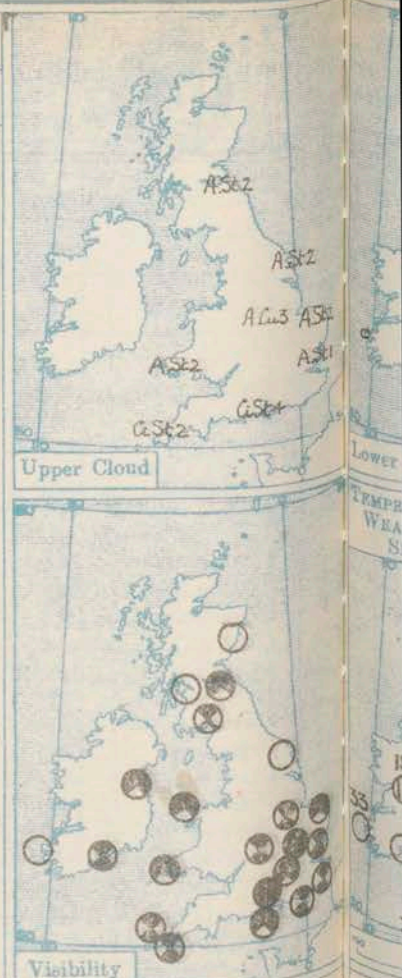
No. 4176.B FRIDAY, 14TH NOVEMBER, 1919.

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. Force 0-12.	Weather	TEMP. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Amt. 0-10.	Upper Cloud. Form.	Amt. 0-10.	Sea 0-9.	BAROM. at M.S.L. m.b.	Change in 3 hours.	WIND. Direc. Force 0-12.	Weather	TEMP. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Amt. 0-10.	Upper Cloud. Form.	Amt. 0-10.	Sea 0-9.
	13H. G.M.T. OF 13 TH													18H. G.M.T. OF 13 TH												
†Houton B. (Orkney)	1014.5	0	N 3	bc	30	65	6	-	S.Cu	5	-	-	*	1015.7	+1	N 2	bc	27	75	6	-	Sr	6	-	-	*
†Eskdalemuir ...	1014.4	0	- 0	b	29	92	5	5-7000	S.Cu	2	-	-	*	1015.1	0	- 0	b	27	97	-	5-4000	Sr	2	-	-	*
†Stranraer ...	1015.1	-1	NNE 2	bc	38	65	10	-	-	-	Cu	4	2	1014.1	0	E 2	b	34	65	10	-	-	-	-	2	
†Lough Foyle ...	1015.1	-1	NNE 2	bc	38	65	10	-	-	-	Cu	4	2	1014.1	0	E 2	b	34	65	10	-	-	-	-	2	
†Valencia (Cahire'n)	1015.1	-1	NNE 2	bc	38	65	10	-	-	-	Cu	4	2	1014.1	0	E 2	b	34	65	10	-	-	-	-	2	
†Anglesey (Llangefylli)	1013.0	+1	ENE 2	bcz	37	82	5	3-4000	S.Cu	3	-	-	3	1014.1	0	- 0	bc	31	87	-	3-4000	S.Cu	4	-	-	3
†Falmouth ...	1011.0	-1	NW 4	om	41	75	5	-	C.Nb	9	-	-	*	1011.1	+1	N 2	bm	36	87	4	-	-	-	-	*	
†Calshot (Hants) ...	1010.8	0	NE 1	o	30	82	5	5-1000	Sr	10	-	-	3	1012.9	+2	NE 1	om	34	87	3	5-1000	Sr	10	-	-	2
†Capel (Folkestone)	1010.0	+2	N 4	o	32	97	4	1-1500	S.Cu	4	A.Cu	1	3	1011.1	+2	N 2	so	32	97	4	1-1500	Nb	5	-	-	3
Aberdeen ...	1014.9	0	WNW 3	b	31	75	7	-	C.Nb	1	-	-	3	1015.4	+1	WNW 2	bz	23	82	5	-	-	-	-	3	
†East Fortune ...	1014.7	+1	N 1	o	34	75	8	2-3000	C.Nb	10	-	-	*	1016.0	+2	WNW 1	bc	27	75	-	2-3000	S.Cu	4	-	-	*
†Flamborough Head ...	1011.5	0	ENE 4	c	39	75	8	15-2000	Nb	5	C.S	2	*	1012.9	+1	ENE 4	c	37	65	8	4-5000	S.Cu	5	A.St	2	*
†Felixstowe ...	1010.8	-1	NNE 2	c	37	92	3	5-7000	Cu.Nb	8	-	-	3	1011.9	+2	NNW 1	bc	33	97	3	2-3000	S.Cu	3	A.Cu	2	4
†Cranwell (Lincs)	1011.9	0	NNW 2	o	34	92	4	15-2000	Sr	5	A.St	3	*	1013.3	+2	N 1	bc	32	97	3	2-3000	Sr	3	A.St	1	*
†Bedford ...	1011.1	0	NNE 1	bcz	37	82	4	5-7000	Cu	6	-	-	*	1012.5	+2	NNE 1	oz	34	92	3	2-3000	Sr	6	A.St	4	*
†Benson ...	1010.9	+2	NNE 2	c	35	82	4	-	-	-	-	-	*	1012.1	0	NNE 2	o	32	92	4	-	-	-	-	*	
London (Kew Obs.)	1010.6	+1	NE 2	bm	37	65	4	-	-	-	Cu	1	*	1012.5	+4	N 2	o	34	82	5	-	-	-	-	*	
1H. G.M.T. OF 14 TH													7H. G.M.T. OF 14 TH													
†Houton B. (Orkney)	1016.2	0	N 2	bcz	25	92	6	-	St	5	A.Cu	1	*	1016.5	+1	NNE 2	os	26	98	6	1-1500	Sr	10	-	-	*
†Eskdalemuir ...	1015.4	0	- 0	b	27	98	-	5-4000	F.Cu	3	-	-	*	1012.7	0	ENE 3	b	33	82	10	-	-	-	-	2	
†Stranraer ...	1015.4	0	- 0	b	27	98	-	5-4000	F.Cu	3	-	-	*	1012.7	0	ENE 3	b	33	82	10	-	-	-	-	2	
†Lough Foyle ...	1013.5	-2	NE 2	bc	31	*	*	*	*	*	*	*	0	1014.2	0	E 2	b	25	98	3	4-5000	Sr	2	-	-	3
†Valencia (Cahire'n)	1013.5	-2	NE 2	bc	31	*	*	*	*	*	*	*	0	1014.2	0	E 2	b	25	98	3	4-5000	Sr	2	-	-	3
†Anglesey (Llangefylli)	1010.8	-1	NE 4	bc	33	92	5	-	Cu.Nb	6	-	-	*	1009.0	+1	NNE 2	bx	30	87	5	-	-	-	-	*	
†Falmouth ...	1013.6	+2	S 1	om	30	98	3	5-1000	St	10	-	-	3	1010.3	0	E 3	om	33	87	2	15-2000	Sr	6	A.St	4	3
†Calshot (Hants) ...	1012.0	0	ENE 2	o	32	98	0	5-1000	St	10	-	-	2	1011.8	-1	E 4	o	34	75	5	5-1000	Sr	10	-	-	2
†Capel (Folkestone)	1012.0	0	ENE 2	o	32	98	0	5-1000	St	10	-	-	2	1011.8	-1	E 4	o	34	75	5	5-1000	Sr	10	-	-	2
Aberdeen ...	1014.5	0	W 2	c	23	98	3	15-2000	Cu	8	-	-	*	1016.6	+1	WNW 3	bz	15	55	8	-	-	-	-	2	
†East Fortune ...	1018.4	0	SSW 1	b	19	75	-	2-3000	St	2	A.St	2	*	1016.7	+1	SSE 1	bcz	15	87	3	2-3000	Sr	2	A.St	2	*
†Flamborough Head ...	1013.8	+2	E 2	b	35	75	8	4-3000	St.Cu	2	A.St	1	*	1014.0	+1	ENE 3	c	37	65	8	4-5000	St.Cu	5	A.St	2	*
†Felixstowe ...	1012.8	0	NE 2	so	36	98	4	15-2000	Nb	10	-	-	1	1012.5	0	ESE 3	c	38	75	4	2-3000	St.Cu	6	A.St	1	3
†Cranwell (Lincs)	1014.0	0	NNW 1	o	29	98	3	2-3000	St	7	A.St	2	*	1013.7	+1	NNE 1	bc	29	92	4	2-3000	Sr	2	A.Cu	3	*
†Bedford ...	1012.7	0	- 0	om	32	98	3	5-1000	St	10	-	-	*	1012.6	0	NE 1	oz	30	98	0	15-2000	Sr	10	-	-	*
Benson ...	*	*	*	*	*	*	*	*	*	*	*	*	*	1011.0	+2	NE 2	ox	31	98	4	-	-	-	-	-	*
London ...	1011.7	0	NE 1	om	32	*	*	*	*	*	*	*	*	1011.7	0	ENE 1	om	32	92	2	2-3000	Sr	10	-	-	*
(M.O. at 1st)																										
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.																										
STATIONS.	BAROM. at M.S.L. m.b.	TEMP. °F.	WIND. Direc. Force 0-12.	Weather	BAROMETER. at M.S.L. m.b.	TEMPERATURE. Temp. °F.	WIND. Direc. Force 0-12.	Weather	SEA 0-9.	RAINFALL mm.	TEMP. Max. °F.	TEMP. Min. °F.	WEATHER. Morning.	WEATHER. Afternoon.	WEATHER. Night.	Sunshine Hours.										
	24 HOURS ENDED 7H. 14 TH																13 TH									
Lerwick ...	1013.2	32	- 0	bcm	1015.7	+2	34	+4	- 0	-	om	1	0.3	38	28	bcm	bcm	oms	*							
Stornoway ...	1015.5	29	W 1	bc	1015.8	+1	23	?	W 1	-	b	1	1	35	21	bc.ps	bc	b	3.0							
Castlebay (Barra's)	1015.1	34	NNE 2	b	1015.6	0	35	?	N 3	-	bc	3	3	38	31	bc.b	b	b.sr.bc	5.0							
Glasgow ...	1015.9	26	- 0	b	1017.3	+1	12	-13	ESE 1	-	bf	*	-	32	4	bf.bz	bz	bzx	3.9							
Malin Head ...	1014.1	38	NNE 3	bc	1014.3	0	32	-5	S 2	S	oms	1	6	43	30	bc	bcv	om	5.7							
Blacksod Point	1014.5	36	- 0	bc	?	+2	26	?	SW 1	-	bc	1	-	41	23	bc	bc	bc	*							
Roche's Point...	1013.8	33	NNE 1	b	1012.7	-1	30	-1	N 1	-	b	1	0.1	41	29	b.b.c	b	bx	*							
Birr Castle ...	1015.4	30	NNW 1	bc	1014.2	*	15	-4	N 1	-	b	*	-	38	15	bc	bc	bx	?							
Donaghadee ...	1014.9	38	N 3	b	1015.0	+1	36	-3	E 3	-	b	2	-	41	30	b.q	b	bc	*							
Liverpool (Bidston)	1013.5	32	NE 1	bm	1014.2	0	30	0	- 0	-	og	1	-	36	29	bm	bm	f.om	5.7							
Holyhead ...	1013.1	36	E 2	bcz	1013.1	+1	34	-5	E 4	-	bm	3	3	41	33	bc.bc	b.bop	eps.bc	5.0							
Pembroke (St. Ann's Head)	1012.8	33	NE 2	b	1011.6	-1	32	-6	NE 3	-	b	2	-	38	30	b.c	b.c	b	4.8							
Silly (St. Mary's)	1011.6	42	NE 2	c	1008.7	-1	37	-3	ENE 3	NE	bc	3	-	45	35	bc	b.c	b.bc	6.2							
Jersey (St. Aubin)	1009.8	42	NNE 2	b	1005.7	-1	38	-1	E 4	-	c	3	0.1	46	36	cp.b	b	bx.c	4.7							
Portland Bill ...	1010.7	36	NE 3	o	1008.1	-1	33	-5	NE 6	-	c	5	-	39	29	bc	co	eq	*							
Dungeness ...	1010.2	32	N 2	b	1009.7	+1	36	+3	E 4	E	c	3	-	40	20	c.bc	bc	eps.c	*							
Wick ...	1014.1	24	W 2	bc	1015.5	+1	21	-5	W 2	-	bc	1	-	40	19	bc.ps	bc	bc.b	*							
Nairn ...	1013.5	21	- 0	b	1016.3	*	15	-8	- 0	-	b	1	-	29	12	bc	bc	bx	7.5							
Leith ...	1015.0	26	SW 1	b	1016.5	0	16	-13	SW																	

+ Air Ministry Station. * Information for these columns not usually received. † The barometric change is expressed in half millibars. ‡ Low tide at 11.

SUMMARY OF CONDITIONS AT 7 A.M. Friday, 14th November, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	E-NE. 5-15	Cold	Dull, some inland mist.	Var.	Slight
2. E. England	SE-NE. 5-10	R. cold	Fair or dull, some showers and mist.	Indiff.	"
3. E. Midlands	E-NE. 0-5	Cold	Dull, some fog.	Var.	"
4. W. Midlands	E-NE. 0-5	"	Fair to dull.	Indiff.	"
5. S.W. England	NE. 5-25	V. cold	Fine to cloudy.	Fair	Med.
6. South Wales	NE. 5-10	"	Fine	Poor	Smooth
7. North Wales	E. 5-15	Cold	Fine, local mist.	"	Slight
8. N.W. England	NE-E. 0-5	"	Dull.	Indiff.	V. smooth
9. N. Midlands	Var. 0-5	"	Dull.	"	"
10. N.E. England	N-NE. 5-10	"	Dull, local showers and mist.	Var.	Smooth
11. E. Scotland	Var. 0-10	V. cold	Fine, hazy.	"	"
12. S.W. Scotland	Var. 0-5	"	Variable cloud, some fog.	"	"
13. Isle of Man	E. 5-15	Cold	Fair	Indiff.	"
14. N. & N.W. Scot- land	Var. 0-5	V. cold	Fair or fine, some mist or fog.	Ord.	V. smooth
15. Hebrides	" 0-10	Cold	Fair or fine.	"	Smooth
16. Orkneys and Shetlands	" 0-5	"	Fair or cloudy, local mist.	Indiff.	V. smooth
17. N.W. Ireland	" 0-5	"	Dull, some mist and snow.	Poor	"
18. N.E. Ireland	" 0-10	"	Fine	Ord.	Smooth
19. S.E. Ireland	" 0-5	V. cold	Fine	Poor	"
20. S.W. Ireland	NE. 0-10	Cold	Fine.	Good	"



EXPLANATION.
BAROMETER.—Isobars are drawn for intervals of five millibars.
WIND.—Direction is shown by arrow 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 & clouded.
 ⊙ sky & clouded. ⊙ sky & clouded.
 ⊕ overcast sky. ⊕ rain falling.
 * snow. △ hail. = fog. = mist.
 T thunder. T thunderstorm.
SEA DISTURBANCE.—
 Rough High

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

A ridge of high pressure lies over Scotland and a depression in the region of Spain. The weather will continue cold generally. Ely. winds with cloudy weather are probable over the southern districts and light variable winds with fair or fine weather in Scotland.

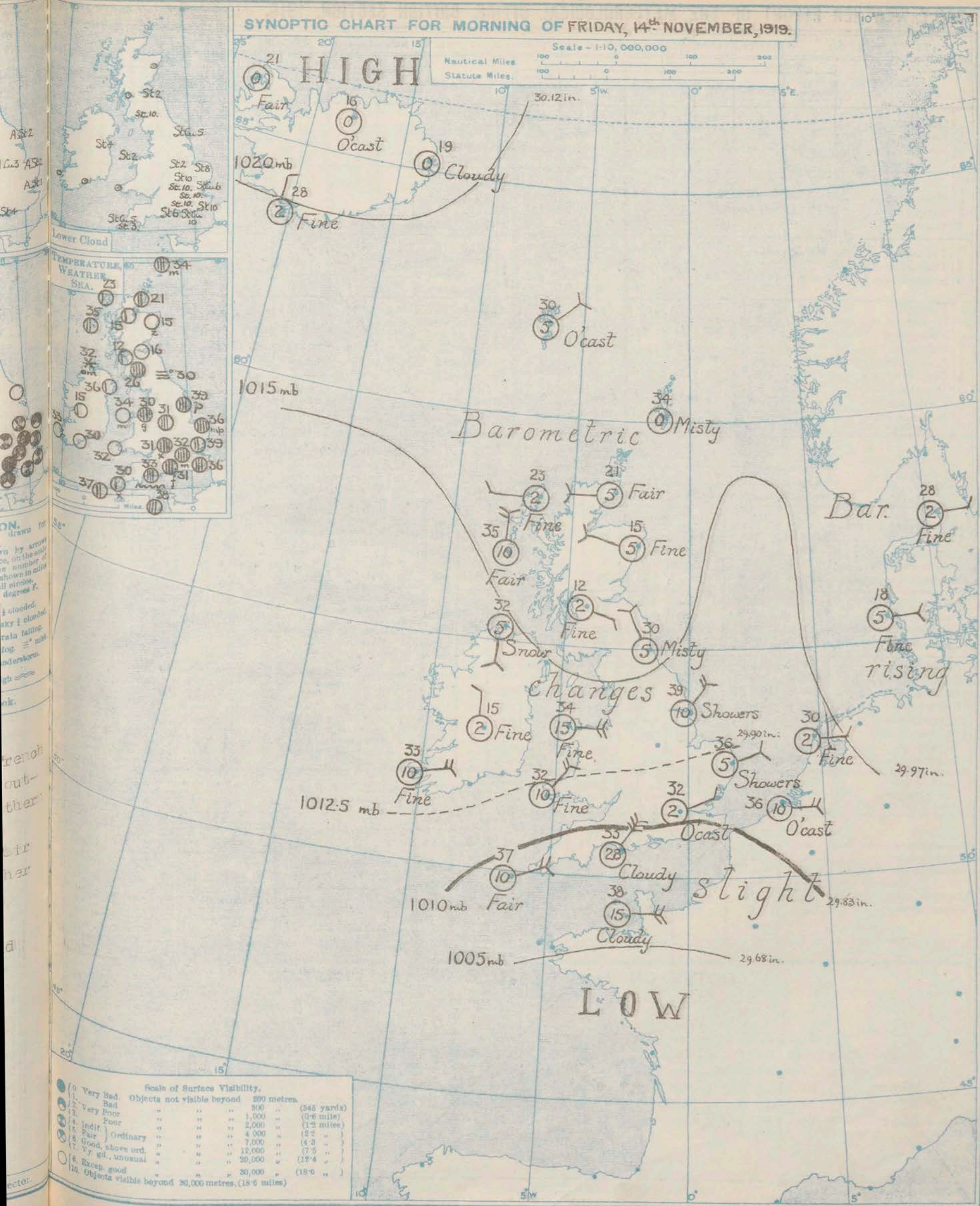
Districts.	Forecasts for the 24 hours commencing 3 p.m. Friday, 14th November, 1919
1. S.E. England	Moderate Ely. winds, fresh locally. Cloudy or dull, local showers of snow or rain. Mist in places. Cold.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	
6. South Wales	Moderate Ely. winds, fresh locally. Fair to cloudy, Mist or fog locally. Cold.
7. North Wales	
8. N.W. England	
9. N. Midlands	Same as for 1-5
10. N.E. England	
11. E. Scotland	Light variable breezes. Fair or fine, mist or fog locally. Very cold.
12. S.W. Scotland	
13. Isle of Man	Same as for 6-8
14. N. & N.W. Scot- land	
15. Hebrides	Light variable winds. Fair or fine. Very cold.
16. Orkneys and Shetlands	
17. N.W. Ireland	Light variable breezes. Variable cloud, local snow showers. Mist or fog in places. Cold.
18. N.E. Ireland	
19. S.E. Ireland	Light or moderate winds between E. and NE. Fine to cloudy, mist or fog locally. Very cold.
20. S.W. Ireland	

21 HIGH

Scale - 1:10,000,000

Nautical Miles: 100 0 100 200

Statute Miles: 100 0 100 200



Scale of Surface Visibility.				
Objects not visible beyond 200 metres.				
10	Very Bad.	..	..	500 .. (545 yards)
11	Bad	..	..	1,000 .. (1.1 mile)
12	Very Poor	..	..	2,000 .. (2.2 miles)
13	Poor	..	..	4,000 .. (4.3 ..)
14	Indist.	..	..	7,000 .. (7.5 ..)
15	Fair	..	..	12,000 .. (12.4 ..)
16	Good, above ord.	..	..	20,000 .. (21.6 ..)
17	Y gd., unusual	..	..	30,000 .. (32.6 ..)
18	Except good	..	..	30,000 .. (32.6 ..)
19	Objects visible beyond 30,000 metres. (32.6 miles)	..	..

DAILY WEATHER REPORT THE METEOROLOGICAL OFFICE, BRITISH SECTION, 13th Nov.																		
WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 13th Nov.																		
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 10-12h. ° F.	Day. 1-10h. ° F.	Sunrise to Sunset. ° F.			Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 10-12h. ° F.	Day. 1-10h. ° F.	Sunrise to Sunset. ° F.	
Scotland.	Oban	b	b	34	22	-	-	6.5	England, N.W.	Douglas (I.O.M.)								
	Banff	b	b	32	26	-	-	6.7		Blackpool	b.	bc	35	22	4	-	7.4	
	Montrose									Southport	b.	b.	35	25	0.3	-	6.8	
	St. Andrews																	
England, N.E.	Harrogate	b.c.p.bc	bc.bcb	34	23	3	0.3	2.0	Midlands.	Buxton	s.bcm.b	bcbbc	33	21	2	-	4.2	
	Skegness	c.o.p.sq	bop.s.b	38	29	2	2	0.8		Leamington Spa... ..	-	-	35	25	6	-	1.5	
	Scarborough					7	-	2.5		Malvern	a.c	bc	35	31	1	-	0.0	
										Ross-on-Wye	com.x	bco.bo	36	31	-	-	1.9	
England, E.	Felixstowe	bcm	bcm	38	28	-	-	1.9	Wales.	Rhyl	c.b	bc	39	29	1	-	5.0	
	Walton-on-Naze... ..									Colwyn Bay	-	-	38	34	3	-	5.3	
	Southend-on-Sea... ..	om.x	om.bx	38	26	-	-	0.2		Llandudno	bc	b	41	34	2	-	5.3	
										Aberystwyth	roc	bco	39	34	*	*	3.0	
England, S.E.	Margate	o.s	o	39	31	2	8	0.0	England, S.W.	Weymouth	b.b	bco	40	30	1	-	3.7	
	Ramsgate	os	o	43	29	2	2	0.0		Teignmouth								
	Folkestone	som.bc	bcmc	35	30	5	-	5.2		Torquay	b.bcc	c	41	31	3	-	3.8	
	Hastings									Paignton	b.b	bcm	41	29	2	-	3.9	
	Eastbourne... ..	so.bc	bc	38	27	1	-	3.2		Penzance	bc	bcc	47	28	2	-	4.5	
	Brighton	c.b	cbz	39	29	0.3	-	3.8		Newquay	c	o. b.	43	33	1	-	0.4	
	Worthing	b	b.	38	28	1	-	5.3		Bude	b.c.p.	b.c.p.	42	27	2	-	2.9	
	Littlehampton	o	bcm	41	32	-	-	3.8		Ilfracombe								
	Bournemouth									Weston-s-Mare								
	Tunbridge Wells	omoc	cbcm	36	26	1	-	1.1										

STATIONS.	SUMMARIES FOR PAST 24 HOURS.									
	WEATHER				Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass. ° F.	RAINFALL.		Sun. Hours.
	7h-13h.	13h-18h.	18h-1h.	1h-7h.				Day. 7h-13h.	Night. 13h-7h.	
†Houton Bay (Orkney)...	bcm.s.bc	bc	bc	bcm.c.o	33	23	18	-	-	3.4
†Eskdalemuir ...	bbc	bbc	b.bc				*	*	*	*
†Stranraer ...	bbc	bbc	b.bc				*	*	*	*
†Lough Foyle ...							*	*	*	*
Valencia (Cahiriveen) ...	bc	bcb	b		39	29	22	-	-	7.5
†Anglesey (Llangefni) ...	c.o.bcc	b.bcv		b.bcx	38	22	*	*	*	*
Falmouth ...	b.r.h.o	om.bm	bm.bc	bc.bx	44	30	25	Trace	-	1.3
†Calshot (Hants) ...	o	o	om	om	37	29	*	*	*	*
†Capel (Folkestone)...	of	of.s	os	os	34	32	*	*	*	*
Aberdeen ...	bcb	bbz	bz		31	13	10	-	-	6.1
†East Fortune ...	bcc.v	co	b.bcx	b.bcz	34	15	*	*	*	*
†Framborough Head	bcc.v	bbc.ps.	bc.cv	bc.ev	40	33	*	*	*	*
†Felixstowe ...	bcc.f	bcc.z	ps.	so	39	27	*	*	*	*
†Cranwell (Lines) ...	bcc.o	bcc.bc	b.bc.c.o	c.orh.	36	26	*	*	*	*
†Bedford ...	bcc.f	cz	c.o.z	of.z	32	29	*	*	*	*
Benson ...	om.	bcb	ox		35	26	18	-	-	*
London (Kew Obsy.) ...	of.bc.bm	bm.o	om		38	31	20	0.3	-	4.3

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. 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.
n	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 0.8
1	1-3	0.8-1.5
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 76	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.

SYMBOLS—

Aurora	☽	Solar halo
Rime	☾	Lunar halo
Glazed frost	☼	Solar corona
Glazed roads	☾	Lunar corona

LONDON. OBSERVATIONS.										SOUTH KENSINGTON (Meteorological Office).				TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.									
WEATHER.								Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	Rain- fall. mm.	Sun- shine to Sunset. Hours.	HUMIDITY %										
Morning	Afternoon	Night	15 h. G.M.T.	9 h. G.M.T.																			
24 HOURS ENDED 9H G.M.T. 14 th										YESTERDAY.		TO-DAY.		14 & 15 th November 1919.									
Vertical Component of Solar Radiation per Square Centimetre during yesterday.										66		82		Stations.									
														Sunrise.									
Total.....26.1..... Joules.										8.2		21		Greenwich									
														G.M.T.									
Average Rate.										8.2		21		Wick									
														G.M.T.									
Maximum Rate.										21		21		Valencia									
														G.M.T.									
Greenwich (Royal Observatory)										o	c	o.e.b	37	30	26	-	1.9	66	82	Yarmouth...			
City (Bunhill Row)										*	*	*	*	*	*	*	1.1	72	80	Greenwich			
Westminster (St. James's Park)										*	*	*	38	32	27	-	0.7	72	80	Wick			
(Admiralty Arch)										agpg	bcb	om	38	32	27	-	0.2	78	89	Valencia			
Camden Sq. (British Rainfall)										j.bc	b.bc	*	39	30	24	-	2.5	79	93				
Kensington Palace										bc	c	*	38	31	20	-	*	18.85	87				

NOTES ON THE WEATHER OF YESTERDAY.

Temperatures continued very low particularly in Scotland where Nairn had a maximum temp. of 29°. The highest maximum reported was 47° from Penzance. Precipitation was small, but local snow and hail showers were reported from many places. Malin reported a rainfall measurement of 6 mm. and Spurn Head 4 mm. Sunshine records were very variable, the greatest amounts being reported from Nairn and Valencia (7.5 hours each) and Blackpool (7.4 hours).



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

No 21,77B SATURDAY, 15TH NOVEMBER 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 15H.

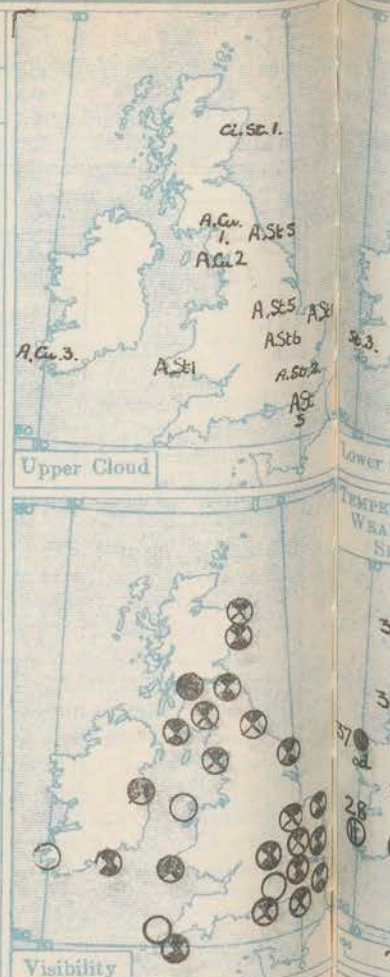
STATIONS.	13H. G.M.T. OF 14 th														15H. G.M.T. OF 14 th													
	Barom. at M.S.L. m.b.	Change in 3 hours.	Wind. Direc.	Force 0-12.	Weather	Temp. °F.	Humidity %	Visibility 0-10.	Height of Low Cloud Feet.	Low Cloud Form.	Amt. 0-10.	Upper Cloud Form.	Amt. 0-10.	Sea 0-9.	Barom. at M.S.L. m.b.	Change in 3 hours.	Wind. Direc.	Force 0-12.	Weather	Temp. °F.	Humidity %	Visibility 0-10.	Height of Low Cloud Feet.	Low Cloud Form.	Amt. 0-10.	Upper Cloud Form.	Amt. 0-10.	Sea 0-9.
Houton B. (Orkney)	1016.9	0	N	2	bcz	29	82	6	-	-	-	A.Cu	6	*	1017.5	0	N	2	bc	27	82	6	-	Sr	5	-	-	*
Eskdalemuir ...	1015.6	+1	-	0	b	38	92	4	2-3000	St.	1	G.Sr	2	*	1016.4	0	-	0	bc	28	97	-	2-3000	Sr	3	ASr	1	*
Stranraer ...	1013.9	0	NE	4	b	38	65	10	-	-	-	-	-	2	1015.4	+3	NE	3	b	34	75	10	-	-	-	-	2	
Lough Foyle ...	1014.0	-2	ENE	1	c	36	82	6	2-3000	St.Cu	4	A.Cu	3	2	1015.0	+3	E	2	o	35	92	-	15-2000	Sr	9	-	-	2
Valencia (Cahire'n)	1007.7	-3	NE	4	bz	38	75	5	-	-	-	A.Cu	2	*	1007.7	+1	NNE	5	bqz	39	75	5	-	-	-	-	*	
Anglesey (Llangefni)	1009.9	-1	E	4	o	38	82	4	3-4000	Cu	9	-	-	?	1009.2	0	E	2	o	35	82	4	3-4000	Sr	10	-	-	4
Falmouth ...	1009.7	-4	E	6	o	35	75	7	1-1500	St.Cu	10	-	-	4	1009.4	-1	ENE	4	bc	35	75	4	1-1500	S.Cu	6	-	-	5
Calshot (Hants) ...	1017.7	-1	WNW	2	bz	23	75	5	-	-	-	Cu	1	2	1018.0	+1	WNW	3	bcz	18	82	5	-	-	-	C.S	4	2
Capel (Folkestone)	1017.0	-1	SSW	1	c.f.	25	75	3	4-5000	S.Cu	5	A.Cu	3	*	1017.3	+1	-	0	b	22	82	-	2-3000	Sr	2	-	-	*
Aberdeen ...	1014.6	0	ENE	3	ch	36	92	8	1-1500	Nb	6	A.Sr	2	*	1014.5	+1	ENE	4	o.h.	36	92	8	1-1500	Nb	7	ASr	3	*
East Fortune ...	1012.5	-1	S	3	o	39	82	4	3-4000	St.Cu	9	-	-	3	1012.0	0	E	4	o	40	82	?	2-3000	C.Nb	10	-	-	3
Flamboro' Head ...	1013.1	-1	ENE	2	b	39	75	6	2-3000	St.	2	Cu	2	*	1013.8	+1	NE	1	bc	31	92	4	2-3000	Sr	2	A.Cu	2	*
Felixstowe ...	1012.2	-1	ENE	3	om	36	87	3	2-3000	Sr	10	-	-	*	1011.7	+1	NE	3	om	34	87	4	5-7000	S.Cu	10	-	-	*
Cranwell (Lincs)	1010.7	-2	NE	4	c	34	92	4	-	-	-	-	-	*	1010.4	0	NNE	2	o	33	92	5	-	Sr	10	-	-	*
Bedford ...	1010.4	-2	ENE	4	bm	38	75	4	2-3000	Cu	6	A.Cu	1	*	1010.2	0	NE	3	om	37	75	4	-	S.Cu	6	A.Cu	4	*
Benson ...																												
London (Kew Obs.)																												
1H. G.M.T. OF 15 th														7H. G.M.T. OF 15 th														
Houton B. (Orkney)	1018.0	0	NNE	3	o	27	82	6	-	Sc	10	-	-	*	1017.7	0	NNE	1	b	25	97	6	15-2000	Sr	1	A.Cu	1	*
Eskdalemuir ...	1016.7	-1	-	0	-	22	75	-	2-3000	Sc	1	A.Sc	2	*	1014.8	0	-	0	b	21	97	5	15-2000	Sr	3	-	-	*
Stranraer ...	1016.1	0	NNE	3	bc	33	*	*	*	*	*	*	*	4	1017.4	0	NE	1	bc	28	87	8	-	Sr	3	A.Cu	3	0
Lough Foyle ...	1015.2	+2	-	0	b	30	92	-	4-5000	St.Cu	2	-	-	2	1015.5	+1	-	0	c	26	87	9	2-3000	S.Cu	8	-	-	3
Valencia (Cahire'n)	1009.2	0	NNE	5	bq	33	82	5	-	-	-	-	-	*	1010.7	+2	NNE	4	bcz	34	75	5	-	S.Cu	5	-	-	*
Anglesey (Llangefni)	1008.0	-1	E	2	o	33	87	2	2-3000	Sc	10	-	-	3	1008.2	0	E	3	o	35	82	6	2-3000	Sr	10	-	-	3
Falmouth ...	1006.9	-3	ENE	5	o	34	98	5	1-1500	S.Cu	10	-	-	7	1004.7	-3	NE	7	o	33	97	5	1-1500	S.Cu	10	-	-	7
Calshot (Hants) ...	1017.0	0	-	0	c	21	98	4	2-3000	St.Cu	8	-	-	*	1018.3	+1	WNW	3	bz	15	75	5	-	-	-	C.S	1	2
Capel (Folkestone)	1017.9	0	S	1	b	18	87	-	2-3000	Sc	2	-	-	*	1018.3	0	-	0	b	18	87	4	2-3000	Sr	2	-	-	*
Aberdeen ...	1010.4	-2	E	6	cq	39	82	2	15-2000	Cu	6	ASr	4	5	1013.3	0	ENE	4	o.h.	35	92	4	15-2000	Nb	10	-	-	*
East Fortune ...	1013.1	0	NNE	3	o	32	98	3	2-3000	Sc	6	A.Sc	3	*	1008.8	-1	NE	4	o	36	87	5	1-1500	S.Cu	10	-	-	4
Flamboro' Head ...	1011.4	-1	ENE	3	so	35	75	4	1-1500	Sc	10	-	-	*	1012.7	-1	N	2	c	29	92	6	2-3000	Sr	3	ASr	5	*
Felixstowe ...	1009.2	-2	NNE	4	o	30	*	*	*	*	*	*	*	*	1010.4	0	NE	3	o	33	75	6	3-4000	Sr	4	ASr	6	*
Cranwell (Lincs)	1009.2	-2	NNE	4	o	30	*	*	*	*	*	*	*	*	1008.7	+1	NNE	3	o	32	82	5	-	Sr	10	-	-	*
Bedford ...	1009.2	-2	NNE	4	o	30	*	*	*	*	*	*	*	*	1007.7	-1	NNE	4	o	35	65	5	2-3000	S.Cu	8	A.Sr	2	*
Benson ...																												
London (Kew Obs.)																												
STATIONS CONTRIBUTING REPORTS AT 7H AND 15H.																												
STATIONS.	Barom. at M.S.L. m.b.	Temp. °F.	Wind. Direc.	Force 0-12.	Weather	Barometer. at M.S.L. m.b.	Change in 3 hours.	Temperature. °F.	Change in 24 hours.	Wind. Direc.	Force 0-12.	Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	Temp. Max. °F.	Min. °F.	Morning.	Afternoon.	Night.	Sunshine Hours.							
	15H. G.M.T. OF 14 th														7H. G.M.T. OF 15 th													
Lerwick	1017.2	31	-	0	bcm	1015.6	-1	34	0	-	0	-	c	1	0.1	38	29	bm	bcm	omsp	*							
Stornoway	1016.5	28	W	1	b	1016.9	+1	29	+6	W	1	-	c	1	1	34	21	b	b	bccps	0.7							
Castlebay (Barra's)	1016.2	35	N	2	bc	1017.2	+1	35	0	-	0	-	c	1	4	35	31	bc	so.m bc	cbe	0.0							
Glasgow	1018.1	21	E	1	bf	1015.9	0	25	+3+3	-	0	-	f	*	0.1	24	11	fbcf	bcf	bzfx	0.0							
Malin Head	1015.0	33	S	2	bc	1015.6	0	31	-1	SSW	1	-	bc	1	-	41	30	bc	c	bc	4.1							
Blackod Point	1016.8	35	-	0	ops	1015.6	+1	37	+11	-	0	-	od	2	2	41	23	bc	beps	bcoa	*							
Roche's Point...	1013.6	40	NNE	3	ab	1016.2	+1	30	0	N	2	-	b	2	0.1	41	29	b	b	bx	*							
Birr Castle	1015.1	27	N	1	bc	1016.8	*	15	0	N	1	-	f	*	-	38	15	b	bc	bexf	5.1							
Donaghadee	1015.8	38	E	2	bc	1016.6	0	37	+1	NE	2	-	bc	2	-	40	30	bc	bc	bem	*							
Liverpool (Bidston)	1014.2	33	ENE	3	m	1014.3	0	28	-2	ENE	2	E	c	2	-	37	28	cm	cm	ocm	0.7							
Holyhead	1013.6	39	E	4	c	1014.3	+1	34	0	SE	3	E	bc	2	trace	40	32	bbe	bccps	cbbe	4.7							
Pembroke (St. Ann's Head)	1011.9	34	NE	3	b	1013.4	+1	32	0	NNE	3	NE	b	2	-	37	31	b	b	bcb	4.9							
Scilly (St. Mary's)	1008.2	39	NE	4	bc	1010.7	+2	40	+3	NE	4	NE	c	5	1	42	36	bc	bc	bpe	6.0							
Jersey (St. Aubin)	1003.1	40	NE	6	b	1003.8	0	40	+2	NE	6	-	o	4	-	43	36	cbe	cb.	b.o	1.2							
Portland Bill	1006.5	37	NE	6	b	1006.8	0	35	+2	NNE	5	NE	c	5	-	41	32	cq	cbeq	bbeq	*							
Dungeness	1007.4	39	E	5	c	1002.7	-2	37	+1	ENE	7	E	c	6	-	40	35	c	c	ccq	*							
Wick	1016.8	20	WSW	2	bcm	1016.3	0	20	-1	W	1	-	bc	1	-	28	18	bcm	bcm	bem bc	*							
Nairn	1017.5	15	-	0	bc	1017.2	*	11	-4	-	0	-	bc	1	-	25	8	b	bbe	bc	3.7							
Leith	1016.9	23	SW	1	b	1017.7	0	18	+2	SW	1	SW	b	2	-	28	16	bmb	bmb	bmb	*							
Tynemouth	1016.2	34	NNW	2	c	1015.1	0	36	+6	SSW	2	-	c	2	5	38	27	qmpps	cm	mp	*							
Spurn Head	1013.3	39	E	4	bc	1015.2	-1	34	-5	N	5	-	afq	5	1	42	32	c	bc	c	*							
Yarmouth (Gorleston)	1011.9	38	SE	4	o	1007.4	-3	36	0	ENE	6	-	afq	6	6	39	34	om cps	ocps	opso	0.7							
Clacton-on-Sea	1010.4	40	E	4	o	1007.0	+1	37	-2	NE	6	NE	c	5	-	40	36	bee	co	co	2.0							
Nottingham	1013.2	34	NE	3	b	1011.9	0	33	+2	N	3	N	c	*	trace	37	30	co	co	co	0.0							

SUMMARY OF CONDITIONS AT 7 A.M. Saturday, 15th November, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	NNE-ENE. 15-35	R. cold	Dull, squally.	Good	Rough
2. E. England	NE. 15-25	"	Dull, local squalls and showers.	Fair	R. rough
3. E. Midlands	NE. 10-15	Cold	Dull, passing snow showers.	Good	-
4. W. Midlands	NE. 5-15	"	Cloudy.	Fair	-
5. S.W. England	NE. 15-20	"	Fair or cloudy.	"	R. rough
6. South Wales	N-NE. 10-15	V. cold	Fair or fine, local haze.	Var.	Smooth
7. North Wales	E. 0-10	"	Fair or cloudy.	Good	"
8. N.W. England	NE-E. 5-10	"	Fine to cloudy.	"	Slight
9. N. Midlands	N-NE. 5-15	Cold	Variable cloud	Fair	-
10. N.E. England	N-NE. 5-20	"	Dull, some mist or fog	Indiff.	Mod.
11. E. Scotland	Var. 0-10	V. cold	Fair or fine.	Ord.	Smooth
12. S.W. Scotland	Var. 0-5	"	Fine to thick fog.	Var.	"
13. Isle of Man	NE-E. 5-10	Cold	Fair or fine.	Fair	Slight
14. N. & N.W. Scotland	W. 0-5	V. cold	Fair	Ord.	V. smooth
15. Hebrides	Var. 0-5	Cold	Cloudy, passing snow showers.	"	"
16. Orkneys and Shetlands	Var. 0-5	"	Cloudy, some mist.	Indiff.	"
17. N.W. Ireland	Var. 0-5	"	Fair to overcast, local drizzle.	Ord.	Smooth
18. N.E. Ireland	Var. 0-5	"	Fair.	"	"
19. S.E. Ireland	Var. 0-5	V. cold	Fine to foggy	Poor	"
20. S.W. Ireland	Var. 0-5	"	Fair or fine.	Good	V. smooth

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

A depression over France is moving north-east. Cold weather will continue generally with local snow or sleet.



EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by arrow 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 & clouded.
 ☁ sky & clouded. ☁ sky & clouded.
 ☁ overcast sky. ☁ rain falling.
 * snow. ▲ hail. = fog. = mist.
 T thunder. T thunderstorm.
SEA DISTURBANCE.—
 Rough High

Districts.	Forecasts for the 24 hours commencing 3 p.m. Saturday, 15th November, 1919
1. S.E. England	Fresh or strong NE. or N. winds. Cloudy or dull, local showers of snow or sleet. Very cold.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	Moderate or fresh N-NE. winds. Fair to cloudy, perhaps local snow showers. Very cold.
6. South Wales	
7. North Wales	Light or moderate NE. winds. Fair to cloudy, local snow showers. Very cold.
8. N.W. England	
9. N. Midlands	Moderate NE. winds. Cloudy, some sleet or snow showers. Very cold.
10. N.E. England	
11. E. Scotland	Light variable winds. Fair or fine, mist or fog locally. Very cold.
12. S.W. Scotland	
13. Isle of Man	Same as for 7-8
14. N. & N.W. Scotland	Light variable or W. to SW. winds. Fair to cloudy, local snow showers. Very cold.
15. Hebrides	
16. Orkneys and Shetlands	
17. N.W. Ireland	Light variable breezes. Fair to cloudy, local snow or sleet showers. Cold.
18. N.E. Ireland	
19. S.E. Ireland	Light NE. or variable breezes. Fair or fine, mist or fog locally. Very cold.
20. S.W. Ireland	

A rather sharp fall of the barometer is taking place in Iceland and if continuing will cause a SWly. current with warmer weather over the northern districts. In England cold wintry weather is likely to continue beyond the forecast period.

SYNOPTIC CHART FOR MORNING OF SATURDAY, 15TH NOVEMBER, 1919.

Nautical Miles
Statute Miles

Scale - 1:10,000,000

Barometer
Ocast
Fair
1020 mb
falling

LOW

Barometric

Cloudy

Snow Showers
Fair
Cloudy changes
Fine

Drizzle
Fair
slight

Showers

Fog
Fair

Fog

Bar. falling

Showers

O'cast

Cloudy

O'cast

LOW

1005 mb

1010 mb

1015 mb

1020 mb

1025 mb

1030 mb

1035 mb

1040 mb

1045 mb

1050 mb

1055 mb

1060 mb

1065 mb

1070 mb

1075 mb

1080 mb

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2255 mb

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2265 mb

2270 mb

2275 mb

2280 mb

2285 mb

2290 mb

2295 mb

2300 mb

2305 mb

2310 mb

2315 mb

2320 mb

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 319. B

Saturday,
15th November

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 14 th																			
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night, 17h-24h. 13 th	Day, 9h-17h. 14 th	Sunrise to Sun- set. 14 th	Forenoon.			Afternoon.	Max. ° F.	Min. ° F.	Night, 17h-24h. 13 th	Day, 9h-17h. 14 th	Sunrise to Sun- set. 14 th		
Scotland.	Oban	bcc	bcb	32	19	-	-		3.9	England, N.W.	Douglas (I.O.M.)								
	Banff	b.	b	18	5	-	-		4.5		Blackpool	o	c	36	20	-	-		1.4
	Montrose										Southport	co	obcco	35	23	-	-		0.8
	St. Andrews	-	-	31	16	-	-		4.6										
England, N.E.	Harrogate	osp.	ocspo	33	27	-	1		0.2	Midlands.	Buxton	e.bcc	bccb	33	13	-	-		0.6
	Skegness	co	bc	41	36	1	-		2.7		Leamington Spa...								
	Scarboro					-	2		1.5		Malvern	o	o	34	29	-	-		0.0
											Ross-on-Wye	omx	om	35	29	-	-		0.0
England, E.	Felixstowe	cqpsr	og	41	32	3	-		2.2	Wales.	Rhyl	c	c	37	21	-	-		0.0
	Walton-on-Naze...										Colwyn Bay	-	-	38	25	-	-		0.6
	Southend-on-Sea...	bcco	o	39	29	-	-		1.2		Llandudno	o	o	39	23	-	-		0.1
											Aberystwyth	-	-	37	33	-	-		6.0
England, S.E.	Margate	c	c	40	32	-	-		0.0	England, S.W.	Weymouth								
	Ramsgate	o	o	41	32	1	-		0.0		Teignmouth								
	Folkestone	xco	o	39	31	1	-		0.2		Torquay	-	-	39	31	0.2	-		*
	Hastings			39	30	-	-		*		Paignton	oc	cbb	39	30	-	-		0.6
	Eastbourne...	-	-								Penzance	b	bc	40	31	-	-		6.0
	Brighton	o	oc	38	29	-	-		0.0		Newquay	-	-	37	27	-	-		6.0
	Worthing	o	bcb	37	29	-	-		0.0		Bude								
	Littlehampton	om	bcm	40	31	-	-		0.0		Ilfracombe								
	Bournemouth			39	27	-	-		4.7		Weston-s-Mare	oc	c	35	26	-	-		1.0
	Tunbridge Wells	o	o	36	29	-	-		0.0										

SUMMARIES FOR PAST 24 HOURS.										BEAUFORT NOTATION.			THE BEAUFORT SCALE OF WIND FORCE.		
STATIONS.		WEATHER.				Max. Temp. °F.		Min. Temp. °F.		Rainfall.		Sun. Hours.	No.	Limits of Velocity.	
		7h-13h.	13h-18h.	18h-24h.	1h-7h.	°F.	°F.	°F.	°F.	Day. 7h-18h.	Night. 18h-7h.			Statute miles per hour.	Metres per second.
†Houton Bay (Orkney)...		bmbcz	bezco.6c	bc.c.0.03	omcmbe	30	22	20	*	*	*	4.7	0	Less than 1	Less than 0.3
Eskdalemuir ...		bmbcz	b.6c	b.6ca	x	39	17	*	*	*	*	*	1	1-3	0.3-1.5
†Stranraer ...		b.6c	b.6c	b.6ca	x	39	17	*	*	*	*	*	2	4-7	1.8-3.3
†Lough Foyle ...		b	b	b.6c		39	28	23	*	*	*	*	3	8-12	5.4-5.4
Valencia (Cahiriveen) ...		b	b	b.6c		39	28	23	*	*	*	*	4	13-18	5.5-7.9
†Anglesey (Llangefni) ...		bc.cz	b.6c	c.03	o	37	25	*	*	*	*	*	5	19-24	8.0-10.7
Falmouth ...		bc.em	bcbqz	b.bq	bcbzx	39	30	27	*	*	*	4.2	6	25-31	10.8-13.8
†Calshot (Hants) ...		om,	c	om.	o	38	32	*	*	*	*	*	7	32-38	13.9-17.1
†Capel (Folkestone) ...		ov	c	cq	c	35	33	*	*	*	*	*	8	39-46	17.2-20.7
Aberdeen ...		bz	bez	bcz	bcz	23	13	12	-	-	-	4.5	9	47-54	20.8-24.4
†East Fortune ...		bbcz	beez	beez	beez	26	16	*	*	*	*	*	10	55-63	24.6-28.4
†Flamboro' Head ...		ps,q	prh,q	prh,q	prh,q	40	33	*	*	*	*	*	11	64-75	28.5-33.5
†Felixstowe ...		c.o	ps.	o	o	41	39	*	*	*	*	*	12	Above 75	33.6 or above
†Cranwell (Lincs) ...		bc.c	ps.bcc	bc.co	c.ps	39	25	*	*	*	*	*	Suffixes 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity. SYMBOLS— Aurora ☆ Solar halo ⊙ Rime ∇ Lunar halo ⊕ Glazed frost ∞ Solar corona ⊕ Glazed roads ∞ Lunar corona ⊕		
†Bedford ...		x	beez	of.3.	oz	37	29	*	*	*	*	*			
Benson ...		bcc	b.	ox	ox	35	30	26	-	-	-	*			
London (Kew Obsy.) ...		omcm.bem	cm.ong	bc.b.0.0.0		38	32	31	-	Trace	0.3	*			

LONDON. OBSERVATIONS.	WEATHER.			Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass. ° F.	Rain- fall. mm.	Sun- shine to Sunset. Hours.	HUMIDITY %		SOUTH KENSINGTON (Meteorological Office).	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.											
	Morning	Afternoon.	Night.						15 h. G.M.T.	9 h. G.M.T.		Stations.	Sunrise.	Noon.	Sunset.								
	24 HOURS ENDED 9H G.M.T. 15 th								YESTERDAY.		TO-DAY.												
Greenwich (Royal Observatory)	b. 6c.o	o	o	38	33	29	-	0.4	64	70	Vertical Component of Solar Radiation per Square Centimetre during yesterday.	15 th & 16 th November 1919.											
City (Bunhill Row) ...	*	*	*	*	*	*	*	0.1	*	*		Stations.	Sunrise.	Noon.	Sunset.								
Westminster (St. James's Park)	*	*	*	40	33	30	-	0.0	71	68													
" (Admiralty Arch)	b.m.e.m	c.m.o.m	b.e.g.o.p.s	40	34	*	-	0.0	76	89													
Camden Sq. (British Rainfall)	b.m.c	c	*	39	32	30	0.3	0.6	76	81													
Kensington Palace ...	o	o	*	38	32	31	0.2	*	83	76	Total 230 Joules.	Yarmouth ... {	7.16	11.38	4.0								
											Milliwatts.					Greenwich {	7.20	11.45	4.10				
											Average Rate. 7.2									Wick ... {	8.3	11.57	3.51
											Maximum Rate. 11.25													Valencia ... {	8.3	12.26	4.49
												8.4	12.26	4.48									

NOTES ON THE WEATHER OF YESTERDAY.

Temperatures were very low particularly in Scotland where temperature on the mainland nowhere exceeded 32°. Banff reported a maximum temperature of 18°. The highest maximum temperatures reported were 43° from Jersey and 42° from Scilly and Spurn. Sunshine records were mainly poor in England except locally in the south-west. Ireland and Scotland had fair amounts locally. Valencia had 7.6 hours, and Scilly, Penzance, Newquay and Aberystwyth 6 hours each. There were a few local snow showers in NE. and E. England, North Ireland and the Hebrides. Castlebay reported a rainfall of 4 mm. and Blacksod Point 2 mm.

† Air Ministry Station.

* Information for these columns not usually received.



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

No. 21718 B Sunday, 16th November 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 15H.																												
STATIONS	Barom. at M.S.L. m.b.	Change in 3 hours.	WIND. Direc.	Force 0-12.	Weather	Temp. °F.	Humidity %	Visibility 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Amt. 0-10.	Upper Cloud. Form.	Amt. 0-10.	Sea 0-9.	Barom. at M.S.L. m.b.	Change in 3 hours.	WIND. Direc.	Force 0-12.	Weather	Temp. °F.	Humidity %	Visibility 0-10.	Height of Low Cloud Feet.	Low Cloud. Form.	Amt. 0-10.	Upper Cloud. Form.	Amt. 0-10.	Sea 0-9.
	13H. G.M.T. OF 15 th														18H. G.M.T. OF 15 th													
Houton B. (Orkney)	1018.3	0	N	3	bc	31	65	7	-	-	-	-	-	-	1021.1	+3	-	0	bc	22	75	7	-	-	-	-	-	-
Eskdalemuir ...	1018.3	0	N	3	bc	31	65	7	-	-	-	-	-	-	1021.1	+3	-	0	bc	22	75	7	-	-	-	-	-	-
Stranraer ...	1018.3	0	N	3	bc	31	65	7	-	-	-	-	-	-	1021.1	+3	-	0	bc	22	75	7	-	-	-	-	-	-
Lough Foyle ...	1018.3	0	N	3	bc	31	65	7	-	-	-	-	-	-	1021.1	+3	-	0	bc	22	75	7	-	-	-	-	-	-
Valencia (Cahire'n)	1018.3	0	N	3	bc	31	65	7	-	-	-	-	-	-	1021.1	+3	-	0	bc	22	75	7	-	-	-	-	-	-
Anglesey (Llangefni)	1018.3	0	N	3	bc	31	65	7	-	-	-	-	-	-	1021.1	+3	-	0	bc	22	75	7	-	-	-	-	-	-
Falmouth ...	1018.3	0	N	3	bc	31	65	7	-	-	-	-	-	-	1021.1	+3	-	0	bc	22	75	7	-	-	-	-	-	-
Calshot (Hants) ...	1018.3	0	N	3	bc	31	65	7	-	-	-	-	-	-	1021.1	+3	-	0	bc	22	75	7	-	-	-	-	-	-
Capel (Folkestone)	1018.3	0	N	3	bc	31	65	7	-	-	-	-	-	-	1021.1	+3	-	0	bc	22	75	7	-	-	-	-	-	-
Aberdeen ...	1018.3	0	N	3	bc	31	65	7	-	-	-	-	-	-	1021.1	+3	-	0	bc	22	75	7	-	-	-	-	-	-
East Fortune ...	1018.3	0	N	3	bc	31	65	7	-	-	-	-	-	-	1021.1	+3	-	0	bc	22	75	7	-	-	-	-	-	-
Flamboro' Hd.	1018.3	0	N	3	bc	31	65	7	-	-	-	-	-	-	1021.1	+3	-	0	bc	22	75	7	-	-	-	-	-	-
Felixstowe ...	1018.3	0	N	3	bc	31	65	7	-	-	-	-	-	-	1021.1	+3	-	0	bc	22	75	7	-	-	-	-	-	-
Cranwell (Lines)	1018.3	0	N	3	bc	31	65	7	-	-	-	-	-	-	1021.1	+3	-	0	bc	22	75	7	-	-	-	-	-	-
Bedford ...	1018.3	0	N	3	bc	31	65	7	-	-	-	-	-	-	1021.1	+3	-	0	bc	22	75	7	-	-	-	-	-	-
Benson ...	1018.3	0	N	3	bc	31	65	7	-	-	-	-	-	-	1021.1	+3	-	0	bc	22	75	7	-	-	-	-	-	-
London (Kew Obs.)	1018.3	0	N	3	bc	31	65	7	-	-	-	-	-	-	1021.1	+3	-	0	bc	22	75	7	-	-	-	-	-	-
1H. G.M.T. OF 16 th														7H. G.M.T. OF 16 th														
Houton B. (Orkney)	1023.8	+1	-	0	bc	29	87	7	-	-	-	-	-	-	1024.5	+1	-	0	bc	29	87	7	-	-	-	-	-	-
Eskdalemuir ...	1023.8	+1	-	0	bc	29	87	7	-	-	-	-	-	-	1024.5	+1	-	0	bc	29	87	7	-	-	-	-	-	-
Stranraer ...	1023.8	+1	-	0	bc	29	87	7	-	-	-	-	-	-	1024.5	+1	-	0	bc	29	87	7	-	-	-	-	-	-
Lough Foyle ...	1023.8	+1	-	0	bc	29	87	7	-	-	-	-	-	-	1024.5	+1	-	0	bc	29	87	7	-	-	-	-	-	-
Valencia (Cahire'n)	1023.8	+1	-	0	bc	29	87	7	-	-	-	-	-	-	1024.5	+1	-	0	bc	29	87	7	-	-	-	-	-	-
Anglesey (Llangefni)	1023.8	+1	-	0	bc	29	87	7	-	-	-	-	-	-	1024.5	+1	-	0	bc	29	87	7	-	-	-	-	-	-
Falmouth ...	1023.8	+1	-	0	bc	29	87	7	-	-	-	-	-	-	1024.5	+1	-	0	bc	29	87	7	-	-	-	-	-	-
Calshot (Hants) ...	1023.8	+1	-	0	bc	29	87	7	-	-	-	-	-	-	1024.5	+1	-	0	bc	29	87	7	-	-	-	-	-	-
Capel (Folkestone)	1023.8	+1	-	0	bc	29	87	7	-	-	-	-	-	-	1024.5	+1	-	0	bc	29	87	7	-	-	-	-	-	-
Aberdeen ...	1023.8	+1	-	0	bc	29	87	7	-	-	-	-	-	-	1024.5	+1	-	0	bc	29	87	7	-	-	-	-	-	-
East Fortune ...	1023.8	+1	-	0	bc	29	87	7	-	-	-	-	-	-	1024.5	+1	-	0	bc	29	87	7	-	-	-	-	-	-
Flamboro' Hd.	1023.8	+1	-	0	bc	29	87	7	-	-	-	-	-	-	1024.5	+1	-	0	bc	29	87	7	-	-	-	-	-	-
Felixstowe ...	1023.8	+1	-	0	bc	29	87	7	-	-	-	-	-	-	1024.5	+1	-	0	bc	29	87	7	-	-	-	-	-	-
Cranwell (Lines)	1023.8	+1	-	0	bc	29	87	7	-	-	-	-	-	-	1024.5	+1	-	0	bc	29	87	7	-	-	-	-	-	-
Bedford ...	1023.8	+1	-	0	bc	29	87	7	-	-	-	-	-	-	1024.5	+1	-	0	bc	29	87	7	-	-	-	-	-	-
Benson ...	1023.8	+1	-	0	bc	29	87	7	-	-	-	-	-	-	1024.5	+1	-	0	bc	29	87	7	-	-	-	-	-	-
London (Kew Obs.)	1023.8	+1	-	0	bc	29	87	7	-	-	-	-	-	-	1024.5	+1	-	0	bc	29	87	7	-	-	-	-	-	-
1H. G.M.T. OF 16 th														7H. G.M.T. OF 16 th														
Houton B. (Orkney)	1023.8	+1	-	0	bc	29	87	7	-	-	-	-	-	-	1024.5	+1	-	0	bc	29	87	7	-	-	-	-	-	-
Eskdalemuir ...	1023.8	+1	-	0	bc	29	87	7	-	-	-	-	-	-	1024.5	+1	-	0	bc	29	87	7	-	-	-	-	-	-
Stranraer ...	1023.8	+1	-	0	bc	29	87	7	-	-	-	-	-	-	1024.5	+1	-	0	bc	29	87	7	-	-	-	-	-	-
Lough Foyle ...	1023.8	+1	-	0	bc	29	87	7	-	-	-	-	-	-	1024.5	+1	-	0	bc	29	87	7	-	-	-	-	-	-
Valencia (Cahire'n)	1023.8	+1	-	0	bc	29	87	7	-	-	-	-	-	-	1024.5	+1	-	0	bc	29	87	7	-	-	-	-	-	-
Anglesey (Llangefni)	1023.8	+1	-	0	bc	29	87	7	-	-	-	-	-	-	1024.5	+1	-	0	bc	29	87	7	-	-	-	-	-	-
Falmouth ...	1023.8	+1	-	0	bc	29	87	7	-	-	-	-	-	-	1024.5	+1	-	0	bc	29	87	7	-	-	-	-	-	-
Calshot (Hants) ...	1023.8	+1	-	0	bc	29	87	7	-	-	-	-	-	-	1024.5	+1	-	0	bc	29	87	7	-	-	-	-	-	-
Capel (Folkestone)	1023.8	+1	-	0	bc	29	87	7	-	-	-	-	-	-	1024.5	+1	-	0	bc	29	87	7	-	-	-	-	-	-
Aberdeen ...	1023.8	+1	-	0	bc	29	87	7	-	-	-	-	-	-	1024.5	+1	-	0	bc	29	87	7	-	-	-	-	-	-
East Fortune ...	1023.8	+1	-	0	bc	29	87	7	-	-	-	-	-	-	1024.5	+1	-	0	bc	29	87	7	-	-	-	-	-	-
Flamboro' Hd.	1023.8	+1	-	0	bc	29	87	7	-	-	-	-	-	-	1024.5	+1	-	0	bc	29	87	7	-	-	-	-	-	-
Felixstowe ...	1023.8	+1	-	0	bc	29	87	7	-	-	-	-	-	-	1024.5	+1	-	0	bc	29	87	7	-	-	-	-	-	-
Cranwell (Lines)	1023.8	+1	-	0	bc	29	87	7	-	-	-	-	-	-	1024.5	+1	-	0	bc	29	87	7	-	-	-	-	-	-
Bedford ...	1023.8	+1	-	0	bc	29	87	7	-	-	-	-	-	-	1024.5	+1	-	0	bc	29	87	7	-	-	-	-	-	-
Benson ...	1023.8	+1	-	0	bc	29	87	7	-	-	-	-	-	-	1024.5	+1	-	0	bc	29	87	7	-	-	-	-	-	-
London (Kew Obs.)	1023.8	+1	-	0	bc	29	87	7	-	-	-	-	-	-	1024.5	+1	-	0	bc	29	87	7	-	-	-	-	-	

SUMMARY OF CONDITIONS AT 7 A.M. Sunday, 16th November, 1919.

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	NW-N. 10-20	V. Cold	Mainly fine or fair; snow lying locally.	Indiff.	Mod.
2. E. England	W-N. 5-15	"	Fine or fair; local haze and showers.	Ord.	"
3. E. Midlands	W-N 2	"	Fine; snow lying locally.	Poor	"
4. W. Midlands	NW 2-5	"	Fine or fair	"	"
5. S.W. England	N 5-15	"	Fine or fair	Fair	Mod.
6. South Wales	NW 0-2	"	Fair; snow lying locally.	Poor	Smooth
7. North Wales	W-NW. 10-20	Cold	Fair or cloudy	"	Mod.
8. N.W. England	Var. 0-10	"	Fair	Ord.	Smooth
9. N. Midlands	W-NW. 0-10	V. Cold	Fine or fair; snow lying locally.	"	"
10. N.E. England	W-NW. 5-10	"	Fine; local mist & frost.	Fair	Slight
11. E. Scotland	SW-NW. 2-5	"	Fine to cloudy; local haze.	Good	Smooth
12. S.W. Scotland	Var. 0-5	"	Variable sky; some fog; snow lying locally.	Var.	"
13. Isle of Man	SW-NW. 0-5	Cold	Fair	"	"
14. N. & N.W. Scot- land	WSW. 5-15	V. Cold	Cloudy or dull	Ord.	"
15. Hebrides	S-W. 15	R. Cold	Dull; rain in South	"	Mod.
16. Orkneys and Shetlands	WSW. 0-5	Cold	Fair to cloudy; snow ly- ing & mist at Shetlands	Indiff.	Smooth
17. N.W. Ireland	SW-W. 10-15	Mod.	Dull; some rain & mist	"	Mod.
18. N.E. Ireland	SW-W. 2-10	Cold.	Fair or dull; local rain.	Fair	Smooth
19. S.E. Ireland	Var. 2-10	V. Cold	Dull; snow lying locally	Indiff.	"
20. S.W. Ireland	NW-NE. 2	"	Fine or fair.	V. Good	Slight



EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by arrow lying with the wind. Force, or the number 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 & clouded
 ○ sky & clouded. ○ sky & clouded
 ○ overcast sky. ○ rain falling
 * snow. ▲ hail. = fog. = mist
 T thunder. T thunderstorm.
SEA DISTURBANCE.—
 Rough. High.

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

An anticyclone is situated off our SW coasts and a depression beyond Iceland. A secondary depression off the NW of Ireland will cause snow or rain in most districts especially in the North.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Sunday, 16th November, 1919.
1. S.E. England	Light or moderate W or NW winds. Fair or cloudy, perhaps local showers on East coast. Cold.
2. E. England	
3. E. Midlands	Light or moderate W or NW winds. Fair to cloudy, perhaps some showers of snow or rain. Cold.
4. W. Midlands	
5. S.W. England	
6. South Wales	Light or moderate Westerly winds freshening. Cloudy or dull, snow or rain showers. Cold.
7. North Wales	
8. N.W. England	
9. N. Midlands	Light West or Southwest winds freshening. Fair at first, showers of rain or snow later. Cold.
10. N.E. England	
11. E. Scotland	
12. S.W. Scotland	Light or moderate W to SW winds freshening. Cloudy or dull, some rain or snow. Temperature rising.
13. Isle of Man	
14. N. & N.W. Scot- land	Light or moderate W or SW winds freshening. Cloudy or dull, some rain or sleet. Temperature rising.
15. Hebrides	
16. Orkneys and Shetlands	
17. N.W. Ireland	
18. N.E. Ireland	Moderate or fresh W or SW winds. Cloudy or dull, some rain or sleet. Temperature rising.
19. S.E. Ireland	
20. S.W. Ireland	

Further Outlook.

Under the influence of the depression beyond Iceland winds are likely to become W or SW with warmer weather.

SYNOPTIC CHART FOR MORNING OF Sunday, 16th Nov. 1919.

Scale - 1:10,000,000
Nautical Miles 100 0 100 200
Statute Miles 100 0 100 200



Scale of Surface Visibility.

	Very Bad	Bad	Objects not visible beyond	800 metres.
1.	Very Poor	"	"	800 "
2.	Poor	"	"	1,000 "
3.	Indif.	Ordinary	"	2,000 "
4.	Fair	"	"	4,000 "
5.	Good, above ord.	"	"	7,000 "
6.	Vy. gd., unusual	"	"	10,000 "
7.	Keep. good	"	"	20,000 "
8.	Objects visible beyond	"	30,000 metres.	(18.6 miles)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 3298 { 16th NOVEMBER.

Sunday
16th NOVEMBER.

[illegible]

STATIONS.	SUMMARIES FOR PAST 24 HOURS.									
	WEATHER.				Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass ° F.	RAINFALL.		Sun. Hours.
	7h-13h.15 ⁺	13h-18h.15 ⁺	18h15 ⁺ -7h.10 ⁺	7h-1h.10 ⁺				Day. 7h-18h	Night. 18h-7h	
†Houton Bay (Orkney)... Eskdalemuir	b.b ₃	b ₃ .b	b	b.bc.c ₂	31	7	1	-	-	7.0
†Stranraer	b.b ₂	b.b ₂	rh ₂ .c	b.bc.v	40	29	*	*	*	*
†Lough Foyle Valencia (Cahirciveen) ...	bc.c ₄	c.bc ₄ .b	bl.bc.c.		42	28	23	-	-	4.0
†Anglesey (Llangefni) ... Falmouth	b.bc ₃	ps.bc.c	b.bc ₃	s.c.o.	40	25	*	*	*	*
†Calshot (Hants)	c ₄ .s	c.bc ₄ s	bc ₁	b	42	27	19	-	-	4.2
†Calshot (Hants)	o	c.c	om.		39	28	*	*	*	*
†Capel (Folkestone)	o.n.s.	prh.o	s.prh.	bc.c.s.	35	32	*	*	*	*
Aberdeen	b ₃	b ₃	b ₂ .b.		28	14	11	-	-	6.3
†East Fortune	b.bc ₁	b.bc ₃	b.bc ₃	b.bc ₂	31	18	*	*	*	*
†Flamborough Head	q.n.s.	v.o	rh.v	ps.c ₂	39	25	*	*	*	*
†Felixstowe	o ₄	c.o ₄	ps.q	ps.q	35	29	*	*	*	*
†Cranwell (Lincs)	o ₄ s	c.o.bc.c	bc.c.	b.bc	37	23	*	*	*	*
†Bedford	bc.c ₄	bc.c ₃	3.x.s.	b.bc ₂ .x	39	25	*	*	*	*
Benson	o	o.bc	o.s.	o.s.b.	37	15	11	-	1	*
London (Kew Obsy.)	o	bc.b	o.n.s. o.s.	c.bc. b ₂	38	28	16	-	0.1	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 w. 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	10.8-13.5
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.

SYMBOLS—
Aurora ☼ Solar halo ☉
Rime ❄ Lunar halo ☾
Glazed frost ☼ Solar corona ☉
Glazed roads ☼ Lunar corona ☉

LONDON. OBSERVATIONS.	WEATHER.							Sun- shine to Sunset. Hours.	Humidity %		SOUTH KENSINGTON (Meteorological Office).	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.																		
	Morning	Afternoon	Night.	Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass. ° F.	Rain- fall. mm.		15 h. G.M.T.	9 h. G.M.T.		...10 th & 17 th November 1919.																		
												Stations.	Sunrise.	Noon.	Sunset.															
	24 HOURS ENDED 9h G.M.T. 16 th							YESTERDAY.	TO-DAY.		Vertical Component of Solar Radiation per Square Centimetre during yesterday.	Yarmouth ... {	G.M.T.	G.M.T.	G.M.T.															
Greenwich (Royal Observatory)	o.	o.	o. b. b. f. x	37	28	19	-	0.0	61	79						Total 201 Joules.	Greenwich {	7.17	11.38	3.59										
City (Bunhill Row)	*	*	*	*	*	*	*	0.0	*	*											Average Rate. 6.3	Wick ... {	7.19	11.38	3.57					
Westminster (St. James's Park)	*	*	*	*	*	*	*	0.0	*	*																Maximum Rate. 16	Valencia ... {	7.21	11.45	4.3
" (Admiralty Arch)	o. g. m.	c. g. m. b. g.	c. f. s. g. b. b. x	40	31	*	-	0.0	77	92																					Milliwatts.	7.23	11.45	4.7
Camden Sq. (British Rainfall)	o.	o.	*	41	27	21	0.3	0.0	80	88	8.5	11.57	2.40																	
Kensington Palace	o.	o.	*	38	27	19	-	*	82 (18)	83				8.7	11.57	2.40														
																	8.4	12.26	4.48											
																				8.0	12.26	4.48								

NOTES ON THE WEATHER OF YESTERDAY.

Temperatures continued very low, not exceeding 32°, on the mainland of Scotland, the minimum value at Banff being 5°. Sunshine records in E and SE England were poor, but were fairly good in Scotland and Wales; Eskdalemuir reported 7 hours sunshine and Nairn, Pembroke and Aberystwyth 6.5 hours each. Local showers of snow, sleet and hail were reported from several districts. Castlebay reported a rainfall of 4 mm.

† Air Ministry Station.

* Information for these columns not usually received.



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

No. 21179B MONDAY, 17TH NOVEMBER, 1919.

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

STATIONS.	BAROM. at M.S.L. m.b.	† Change in 2 hours.	WIND.		TEMP. °F.	Humidity. % 0-10.	Visibility. 0-10. Feet.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea	BAROM. at M.S.L. m.b.	† Change in 3 hours.	WIND.		TEMP. °F.	Humidity. % 0-10.	Visibility. 0-10. Feet.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea	
			Force	Dir.					Form.	Amt.	Form.	Amt.				Force	Dir.					Form.	Amt.				
			0-12.	0-10.					0-10.	0-10.	0-10.	0-10.				0-12.	0-10.					0-10.	0-10.	0-9.			
13H. G.M.T. of 16th														18H. G.M.T. of 16th													
Houton B. (Orkney)	1021.9	-3	-	0	o sm	25	92	3	-	St	10	-	-	1020.6	-1	-	0	o sm	28	98	4	-	St	10	-	-	*
Eskdalemuir ...	1019.5	-4	-	0	o f	38	98	0	12-2000	Nb	10	-	-	1018.9	0	-	0	0	37	92	-	12-2000	Nb	10	-	-	*
Stranraer ...	1019.5	-4	-	0	o f	38	98	0	12-2000	Nb	10	-	-	1018.9	0	-	0	0	37	92	-	12-2000	Nb	10	-	-	*
Lough Foyle ...	1019.5	-4	-	0	o f	38	98	0	12-2000	Nb	10	-	-	1018.9	0	-	0	0	37	92	-	12-2000	Nb	10	-	-	*
Valencia (Cahire)	1020.0	-2	W	5	o c	49	87	6	1-1000	St	10	-	-	1020.0	+1	W	5	0	50	87	4	12-2000	St	7	Acu	2	*
Anglesey (Llangefni)	1020.5	-2	NW	2	o sm	38	95	5	2-3000	Nb	10	-	-	1020.5	-4	WNW	2	0	45	92	-	12-2000	St	10	-	-	4
Falmouth ...	1030.3	0	W	3	o c	47	55	7	-	Lu	2	F.C.	2	1027.7	-5	WSW	5	0	43	98	3	-	Nb	10	-	-	3
Calshot (Hants) ...	1027.9	+2	NW	3	o c	40	75	6	4-5000	Lu	4	Acu	3	1026.0	0	E	3	0	38	92	7	12-2000	Nb	10	-	-	2
Capel (Folkestone)	1024.8	+2	NNW	5	o c	33	82	5	1-1500	Lu	2	-	-	1026.8	0	WNW	3	0	34	75	3	1-1500	St	10	-	-	2
Aberdeen ...	1019.1	-1	W	1	o c	33	65	4	-	St	6	-	-	1018.9	0	W	1	0	26	82	4	-	St	2	-	-	2
East Fortune ...	1019.3	-4	SW	1	o sm	34	75	4	5-6000	St	10	-	-	1019.1	0	-	0	0	29	67	9	4-5000	St	5	-	-	*
Flemborough Head	1022.3	0	NW	3	o c	34	75	6	5-6000	Acu	2	Acu	1	1026.4	+1	W	2	0	36	92	5	2-3000	St	8	-	-	1
Felixstowe ...	1024.9	+2	NW	3	o c	37	55	6	3-4000	Lu	2	-	-	1026.4	+1	W	2	0	36	92	5	2-3000	St	8	-	-	1
Cranwell (Lincs)	1024.3	0	WSW	1	o c	34	87	4	1-3000	St	4	Acu	6	1023.4	-1	ESE	1	0	33	97	4	1-1500	Nb	10	-	-	*
Bedford ...	1025.7	-1	WSW	2	o c	36	75	3	-	-	-	Acu	6	1024.9	-1	SW	2	0	36	87	1	1-1500	St	10	-	-	*
Benson ...	1026.0	-2	W	1	o c	38	75	1	-	-	-	-	*	1025.1	-1	WSW	1	0	35	92	4	-	St	10	-	-	*
London (Kew Obs.)	1026.3	0	WNW	2	o c	37	65	4	-	-	-	Acu	6	1025.5	-2	SW	4	0	38	75	4	-	St	10	-	-	*
1H. G.M.T. of 17th														7H. G.M.T. of 17th													
Houton B. (Orkney)	1020.0	0	SSE	1	o f	32	98	0	-	St	10	-	-	1018.4	-3	-	0	o f	32	98	1	1500	St	10	-	-	*
Eskdalemuir ...	1020.0	0	SSE	1	o f	32	98	0	-	St	10	-	-	1018.4	-3	-	0	o f	32	98	1	1500	St	10	-	-	*
Stranraer ...	1020.0	0	SSE	1	o f	32	98	0	-	St	10	-	-	1018.4	-3	-	0	o f	32	98	1	1500	St	10	-	-	*
Lough Foyle ...	1020.0	0	SSE	1	o f	32	98	0	-	St	10	-	-	1018.4	-3	-	0	o f	32	98	1	1500	St	10	-	-	*
Valencia (Cahire)	1020.0	-2	WNW	4	o sm	56	87	6	1-1000	St	10	-	-	1020.0	-1	SW	5	0	52	87	6	-	St	5	Acu	5	*
Anglesey (Llangefni)	1027.8	+2	WNW	2	o c	43	92	5	-	Nb	2	-	-	1028.3	-1	WNW	7	0	57	92	6	-	Nb	10	-	-	*
Falmouth ...	1027.8	+2	WNW	2	o c	43	92	5	-	Nb	2	-	-	1028.3	-1	WNW	7	0	57	92	6	-	Nb	10	-	-	*
Calshot (Hants) ...	1026.3	0	NW	1	o c	42	92	3	12-2000	St	10	-	-	1024.9	+1	NW	1	0	46	92	2	12-2000	St	10	-	-	3
Capel (Folkestone)	1022.7	-5	S	5	o c	36	98	8	1-1500	Nb	10	-	-	1022.7	0	NNW	2	0	35	98	1	1-1500	St	10	-	-	2
Aberdeen ...	1019.3	0	S	4	o c	26	97	6	2-3000	St	2	-	-	1014.9	-4	SSW	4	0	37	92	4	-	Nb	10	-	-	3
East Fortune ...	1019.2	0	-	0	o c	33	92	*	3-4000	St	9	-	-	1016.0	-5	-	0	0	34	98	4	12-2000	Nb	9	-	-	*
Flemborough Head	1023.1	-2	SSW	3	o c	36	98	4	3-4000	Nb	10	-	-	1024.0	0	WSW	3	0	34	92	2	1-1500	St	10	-	-	*
Felixstowe ...	1023.1	-2	SSW	3	o c	36	98	4	3-4000	Nb	10	-	-	1024.0	0	WSW	3	0	34	92	2	1-1500	St	10	-	-	*
Cranwell (Lincs)	1021.8	0	S	1	o c	33	98	4	2-3000	St	6	Acu	3	1022.8	+1	S	1	0	36	98	2	1-1500	St	10	-	-	*
Bedford ...	1021.8	0	-	0	o c	34	92	3	1-1500	St	10	-	-	1022.8	0	SW	1	0	36	98	0	1-1500	St	10	-	-	*
Benson ...	1022.4	-1	-	0	o c	37	98	3	-	-	-	-	*	1022.6	+2	W	1	0	39	98	4	-	St	10	-	-	*
London (Kew Obs.)	1022.4	-1	-	0	o c	37	98	3	-	-	-	-	*	1023.7	+1	-	0	0	37	98	3	-	St	10	-	-	*

STATIONS CONTRIBUTING REPORTS AT 7h AND 18h.

STATIONS.	BAROM. at M.S.L. m b.	TEMP. °F.	WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall mm.	TEMP.		WEATHER.			Sunshine Hours.
			Direc.	Force 0-12.		at M.S.L. m b.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Direc.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.	
18th. G.M.T. of 15th						7th. G.M.T. of 17th						24 HOURS ENDED 7th. 17th									
Lerwick ...	1016.1	34	-	0	ben	1010.4	-5	43	+11	S	4	-	cmg	3	-	43	31	ben	ben	cm	*
Stornoway ...	1015.9	37	SW	1	0	1006.1	-7	48	+13	SSW	4	-	r	3	3	48	35	0	0	od	0.0
Castlebay (Barra Is)	1017.3	46	W	3	op	1010.3	-3	51	+9	W	4	-	or	4	4	51	42	obcop	opcop	opdr	0.5
Glasgow ...	1019.2	32	ENE	2	odm	1015.9	-6	35	+15	ENE	1	-	pm	2	6	35	19	odm	odm	odm	0.0
Malin Head ...	1018.5	48	N	4	0	1013.2	-3	50	+13	W	4	W	omr	4	3	50	37	or	0	omr	0.6
Blacksod Point	1026.7	57	NW	5	c	1018.4	-5	52	+7	WSW	4	-	or	4	3	53	43	cd	c	omr	*
Roche's Point...	1028.3	47	W	3	0	1024.1	-1	50	+17	W	2	-	0	2	0.2	50	32	op	0	0	*
Birr Castle ...	1024.0	47	SSW	1	r	1022.4	*	50	+23	SW	3	-	0	*	2	50	27	odro	ogdr	odo	0.0
Donaghadee ...	1018.9	43	W	1	cm	1017.2	-2	48	+18	SW	3	-	omd	2	5	48	29	omd	omd	omd	*
Liverpool (Bidston)	1019.4	35	S	3	r	1020.1	-1	45	+11	W	5	-	r	4	7	46	34	osr	osr	f. or	0.7
Holyhead ...	1019.9	48	WNW	6	ogg	1020.7	-2	50	+9	SW	3	-	ogp	2	7	50	38	bcorn	omno	ogp	0.0
Pembroke (St. Ann's Head)	1023.9	48	W	4	og	1025.0	-1	51	+14	W	4	-	og	4	12	51	37	bc o	ogp	ogp	*
Scilly (St. Mary's)	1029.0	47	W	7	0	1029.8	0	51	+11	W	6	-	0	6	2	51	37	bc	bc, op	omp	5.3
Jersey (St. Aubin)	1029.2	44	W	4	0	1026.4	+1	51	+11	WNW	4	-	0	3	8	51	39	c bc	bc, o, po	ogro	6.3
Portland Bill ...	1025.2	44	W	5	oc	1023.9	+1	50	+16	WNW	4	-	og	4	2	50	34	b, bc	c, or	ogp	*
Dungeness ...	1025.6	36	NW	3	b	1022.5	+2	34	+5	N	2	N	c	2	10	42	27	b	b, c, o	ortfc	*
Wick ...	1016.5	32	SW	2	bc	1008.8	-5	41	+12	SCW	4	-	omr	2	4	42	28	cmfbs	cmbs	bcpr	*
Nairn ...	1017.0	27	-	0	bc	1009.9	*	37	+6	-	0	-	cg	1	0.4	37	25	spebc	bc	bccg	0.0
Leith ...	1014.5	34	-	0	m	1015.2	-2	35	+11	NE	1	-	0	2	2	36	23	bzos	som	dmo	*
Tynemouth ...	1020.2	34	SW	3	om	1019.1	0	35	+10	WSW	1	-	f	2	-	35	25	om	om	omf	*
Spurn Head ...	1022.8	35	WSW	2	odm	1021.8	0	34	+6	SSE	2	-	0	3	2	38	30	ben	ben	ogm	*
Yarmouth (Gorleston)	1023.2	33	W	2	bc	1022.2	+1	34	-3	W	1	-	0	2	1	40	32	bc	ben	bmom	4.6
Clacton-on-Sea	1025.5	35	W	2	bc	1023.9	+2	36	+7	WNW	2	-	0	1	2	38	28	bc, ben	b, ben	bcogr	6.3
Nottingham ...	1022.6	34	S	1	om	1022.0	*	34	+9	SW	1	-	odm	*	5	37	23	ben	c, od	os	1.5

* Air Ministry Station.

* Information for these columns not usually received.

* The barometric change is expressed in half millibars.

§ Longside † at 1h.

SUMMARY OF CONDITIONS AT 7 A.M. Monday, 17th November, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	W-NW. 0-5	R.cold	Cloudy or dull, local mist.	Poor	Smooth
2. E. England	SW-NW. 2-5	Cold	Dull, local mist.	"	"
3. E. Midlands	SW. 2	R.cold	Dull, local drizzle & mist.	Bad	-
4. W. Midlands	SW-W. 2-5	Mod.	Dull, local drizzle & mist.	"	-
5. S.W. England	WNW. 15-28	R.cold	Dull, squally.	Good	R.rough
6. South Wales	W. 15	R.mild	Dull, local squalls.	Fair	Mod.
7. North Wales	SW. 10	"	Dull, some showers.	Poor	Smooth
8. N.W. England	W. 5-15	Mod.	Dull, local rain or drizzle	Bad	Slight
9. N. Midlands	SW-W. 2-10	R.cold	Dull, local drizzle.	Poor	-
10. N.E. England	S-SW. 2-10	"	Dull, local drizzle, mist	"	Smooth
11. E. Scotland	S-SW. 2-15	"	Dull, local mist and drizzle.	Ord.	"
12. S.W. Scotland	Var. 2-15	"	" " " "	Bad	"
13. Isle of Man	SW. 2-10	R.mild	" " " "	"	"
14. N.&N.W.Scotland	S-SW. 5-15	Mod.	Dull, some rain and mist.	V.poor	"
15. Hebrides	SW-W. 15	R.mild	Dull, rainy.	-	Slight
16. Orkneys and Shetlands	S. 15	Moderate	Cloudy, local mist.	-	"
17. N.W. Ireland	SW-W. 10-15	R.mild	Dull, rainy.	-	Mod.
18. N.E. Ireland	SW-W. 10-15	"	Dull, misty, rainy.	-	Slight
19. S.E. Ireland	SW-W. 10	Mild	Dull.	Good	Smooth
20. S.W. Ireland	SW-W. 10-20	R.mild	Dull.	"	Mod.



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

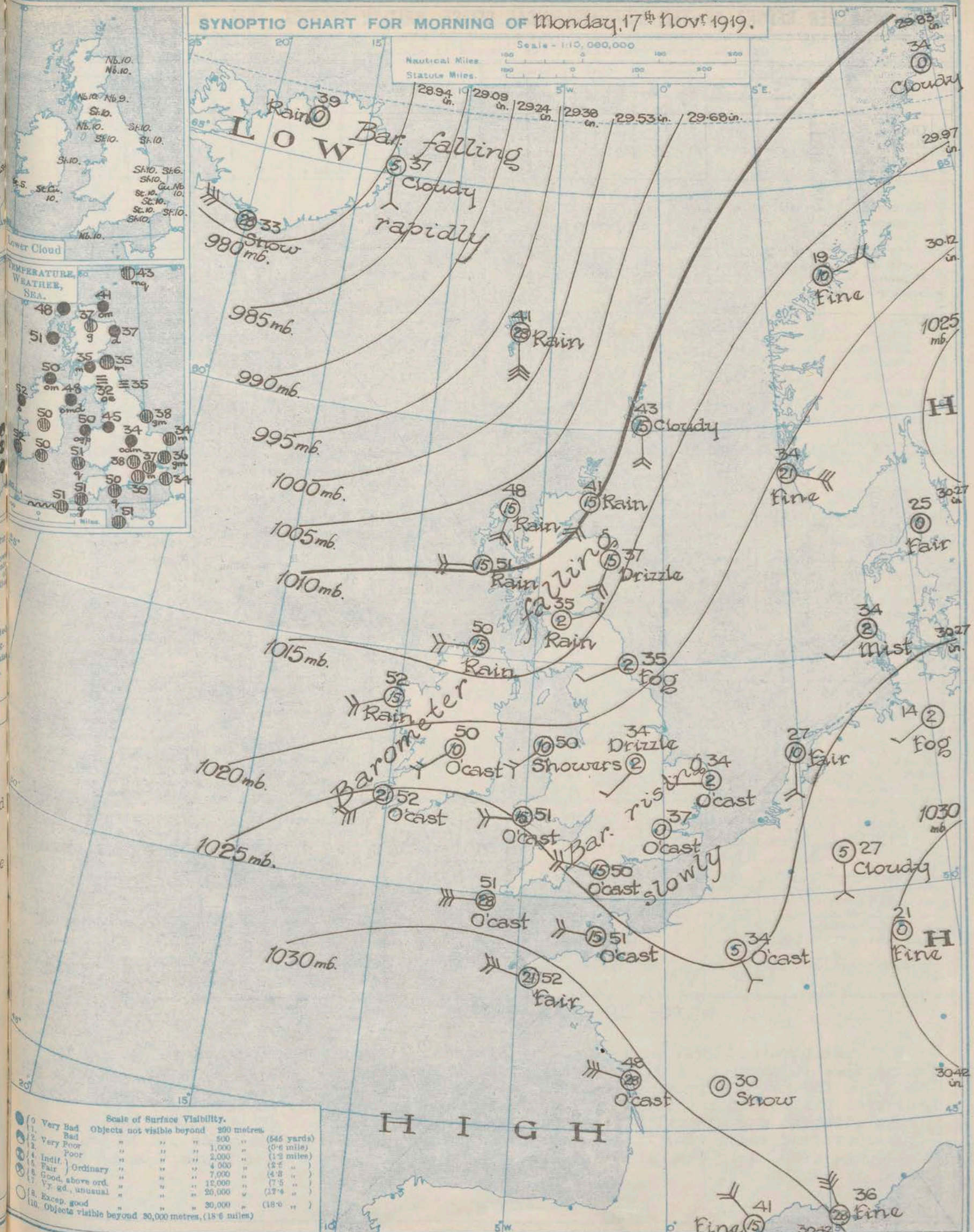
A large depression which has appeared over Iceland will probably move eastward, while secondary disturbances pass in a similar direction across the British Isles. Generally unsettled weather, with S.to W. winds, occasional rain, and a mild temperature is consequently anticipated.

EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by arrow flying with the wind. Force, on the scale 0-12, is indicated by the number. 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 & clouded.
 ⊙ sky & clouded. ⊙ sky & clouded.
 ⊕ overcast sky. ⊕ rain falling.
 * snow. △ hail. ≡ fog. ≡ mist.
 T thunder. R thunderstorm.
SEA DISTURBANCE.—
 Rough High

Districts.	Forecasts for the 24 hours commencing 3 p.m. Monday, 17th November, 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	Wind between S. and SW. or W.moderate or fresh, strong in places. Dull, some rain and mist. Much milder than of late.	Wind between S. and W. weather unsettled with occasional rain, temperature above normal for time of year.
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, fresh to high. 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 to fresh or strong. Dull, occasional rain, misty. Mild.	

SYNOPTIC CHART FOR MORNING OF Monday, 17th Nov 1919.

Scale - 1:10,000,000
Nautical Miles 100 200 300
Statute Miles 100 200 300



Scale of Surface Visibility.

Symbol	Description	Objects not visible beyond	200 metres	(546 yards)
0	Very Bad	"	500 "	(546 yards)
1	Very Poor	"	1,000 "	(546 yards)
2	Poor	"	2,000 "	(1,2 miles)
3	Indif. Poor	"	4,000 "	(2.5 "
4	Ordinary	"	7,000 "	(4.3 "
5	Fair	"	12,000 "	(7.5 "
6	Good, above ord.	"	20,000 "	(12.4 "
7	Vy. gd., unusual	"	30,000 "	(18.6 "
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. 321 B

Monday
17th November

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

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 12h-3h.	Day. 3h-12h.	1st to 2nd.	2nd to 3rd.		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 12h-3h.	Day. 3h-12h.	1st to 2nd.	2nd to 3rd.
Scotland.									England, N.W.								
Oban									Douglas (I.O.M.)								
Banff									Blackpool								
Montrose									Southport	h.bec.o	r	37	21	-	4.0		0.2
St. Andrews																	
England, N.E.									Midlands.								
Harrogate	bc.o	os	35	23	-	0.2		3.1	Buxton			38	22	-	1		3.3
Skegness									Leamington Spa								
									Malvern								
									Ross-on-Wye	bcx.b	b.bcon	41	22	-	0.3		2.3
England, E.									Wales.								
Felixstowe	bcqps	bcm	38	28	-	-		6.8	Rhyl	x.h	b.op	42	24	1	1		1.2
Walton-on-Naze									Colwyn Bay			44	30	-	2		0.4
Southend-on-Sea	cmx	bc.o	41	28	-	-		6.4	Llandudno	or	or	44	27	0.2	2		0.5
									Aberystwyth								
England, S.E.									England, S.W.								
Margate			42	32	4	-		6.4	Weymouth								
Ramsgate		o	40	29	5	-		6.0	Teignmouth	b.bc	bc.c.o	44	28	-	-		5.3
Folkestone	s.b	bmf							Torquay	b.bc	bc.c.o	45	30	-	-		5.2
Hastings									Paignton	b.bc	bc.c.o	50	34	1	-		5.0
Eastbourne	s.b	bc.c.o	41	30	0.3	-		6.5	Penzance	bc	bc.c.o	46	31	-	2		3.7
Brighton									Newquay	b	bc.or						
Worthing	b	bc	42	28	-	-		6.3	Bude								
Littlehampton		bom	41	38	-	-		5.8	Ilfracombe								
Bournemouth			44	27	-	-		6.5	Weston-s-Mare								
Tunbridge Wells	b	b.bco	41	26	-	-		5.5									

STATIONS.	SUMMARIES FOR PAST 24 HOURS.										BEAUFORT NOTATION.	THE BEAUFORT SCALE OF WIND FORCE.		
	WEATHER				Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass ° F.	RAINFALL.		Sun. Hours.		No.	Limits of Velocity.	
	7h-18h10 ⁰	13h-18h10 ⁰	18h10 ⁰ -1h17 ⁴	1h-7h17 ⁴				Day. 7h-18h	Night. 18h-7h				Statute miles per hour.	Metres per second.
†Houton Bay (Orkney)... Eskdalemuir	o.o.m.s.m	o.s.m	o.s.m.o.m	o.f.c	33	9	27	3	2	0.0	b blue sky (not more than a quarter covered).	0	Less than 1	Less than 0.3
†Stranraer	rs.p	p.o		b.c.c.p	42	19	*	*	*	*	bc sky partly cloudy (one half covered).	1	1-3	0.3-1.5
†Lough Foyle							*	*	*	*	c generally cloudy (three quarters covered).	2	4-7	1.5-3.3
Valencia (Cahirciveen) ...	c.or	or.o	o.p.o		52	29	46	7	1	0.0	d drizzle, or fine rain.	3	8-12	3.4-5.4
†Anglesey (Llangefni) ...	bc.c.o	bc					*	*	*	*	e wet air without rain falling.	4	13-18	5.5-7.9
Falmouth	bz.bc4	o4.o.m	ng.bc4	bcc4q	51	32	42	3	3	3.8	f fog. g gloom.	5	19-24	8.0-10.7
†Calshot (Hants)	o	bc.c	p.	p.	46	31	*	*	*	*	h hail. i lightning.	6	25-31	10.8-13.8
†Capel (Folkestone)....	b.bc3	c.o3	ps.s	o.p.	37	27	*	*	*	*	m mist.	7	32-38	13.9-17.1
Aberdeen	b.bc3	bc.c3	bz.o.d.m		37	21	16	-	Trace	3.2	o overcast sky.	8	39-46	17.2-20.7
†East Fortune	bc.cem	c.o	o	o.r.s	34	29	*	*	*	*	p passing showers.	9	47-54	20.8-24.4
†Flamborough Head ...	b.bc3	c.o	pr.h	op	42	31	*	*	*	*	q squalls.	10	55-63	24.5-28.4
†Felixstowe	b.bc	c.o	pr.h	op	39	27	*	*	*	*	r rain.	11	64-76	28.5-33.5
†Cranwell (Lincs) ...	bc.c.o	op.d	ps.c	om	36	30	*	*	*	*	rs sleet, i.e., rain and snow together.	12	Above 76	33.6 or above
†Bedford	b3	bc.o	om.s	ofr	37	27	*	*	*	*	s snow.	Suffices 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.		
Benson	b3	bc.o	or	or	39	14	31	-	3	*	t thunder.			
London (Kew Obsy.) ...	b3.bm.bc	bc.o	ors. or. om		39	27	27	-	3	4.3	u ugly, threatening sky.	SYMBOLS— Aurora ☄ Solar halo ☄ Rime ☄ Lunar halo ☄ Glazed frost ☄ Solar corona ☄ Glazed roads ☄ Lunar corona ☄		
											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.			

LONDON. OBSERVATIONS.	WEATHER.			Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass. ° F.	Rain- fall. mm.	Sun- shine to Sunset. Hours.	HUMIDITY %		SOUTH KENSINGTON (Meteorological Office).	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.			
	Morning.	Afternoon.	Night.						15 h. G.M.T.	9 h. G.M.T.		Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
	24 HOURS ENDED 9h G.M.T. ... 17th								YESTERDAY.	TO-DAY.						... 17th 8.15.185 November 1919.
Greenwich (Royal Observatory)	b f	ors	of	38	30	30	3	0.4	67	93	Vertical Component of Solar Radiation per Square Centimetre during yesterday.	Yarmouth ... { G.M.T. 7.19 11.38 3.57			
City (Bunhill Row) ...	*	*	*	*	*	*	*	0.6	*	*			Greenwich { G.M.T. 7.20 11.38 3.56		
Westminster (St. James's Park)	*	*	*	40	29	25	3	2.1	76	94				Wick ... { G.M.T. 7.23 11.45 3.47	
" (Admiralty Arch)	bm	bccom	orfo	41	33	*	3	1.9	79	100	Valencia .. { G.M.T. 8.7 11.57 3.45				
Camden Sq. (British Rainfall)	-	-	*	39	32	27	3	3.5	-	100		Total 226 Joules.			
Kensington Palace ...	b be	bc	*	40	29	32	3	*	73	95			Average Rate. 9.3 Maximum Rate. 17		
											Milliwatts.				

NOTES ON THE WEATHER OF YESTERDAY.

Temperature rose very generally after 7h., but failed to reach 40° over a considerable portion of Great Britain. In Ireland and the west and south-west of England the maximum readings were 50° or higher. The low minima reported at several stations for the 24 hours occurred shortly after 7h. on the 16th. Precipitation was general, of snow and rain in the north and of rain or sleet in the south and west. The largest measurements were 12 mm. at Pembroke and 10 mm. at Dungeness. Bright sunshine records were high in the east and south, low in the west and north-west.

† Air Ministry Station.

* Information for these columns not usually received.



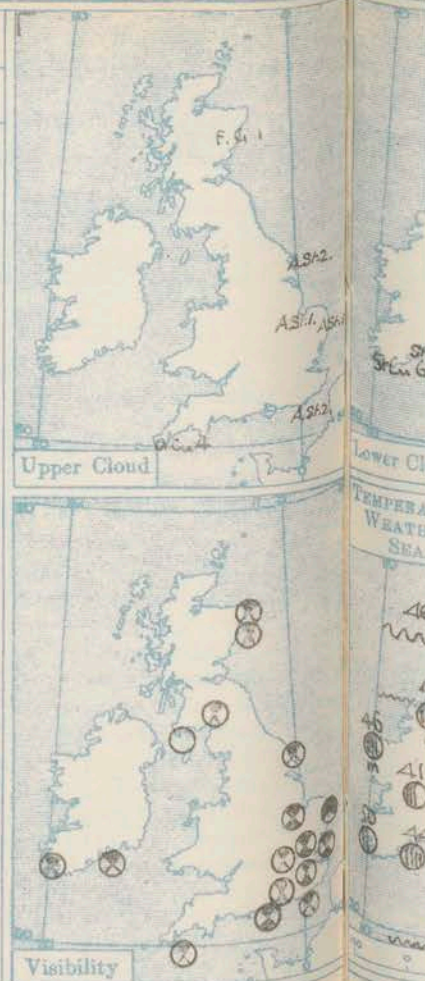
METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No. 21189. B TUESDAY, 19th NOVEMBER, 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1h, 7h, 13h AND 19h.																															
STATIONS	BAROM. at M.S.L. m.b.	Change in 3 hours.	WIND.		Weather	TEMP. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea.	BAROM. at M.S.L. m.b.	Change in 3 hours.	WIND.		Weather	TEMP. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea.			
			Direc.	Force 0-12.						Form.	Amt. 0-10.	Form.	Amt. 0-10.				Form.	Amt. 0-10.													
13h. G.M.T. OF 17 th															19h. G.M.T. OF 17 th																
†Houton B. (Orkney)	1014.8	-5	SSW	4	ome	39	98	3	1-1000	St	10	-	-	*	1004.8	-9	SSW	6	ome	43	98	3	-	St	10	-	-	-	-	-	
†Eskdalemuir	1013.3	-1	WSW	4	ome	49	98	4	1-1000	Nb	10	-	-	*	1005.4	-4	WSW	6	ome	50	98	7	4-5000	St	10	-	-	-	-	-	
†Stranraer	1012.2	-7	SW	6	o	52	87	7	1-1500	St	10	-	-	S	1016.8	-4	SW	7	o	52	98	5	1-1000	St	10	-	-	-	-	-	
†Lough Foyle	1022.2	-7	SW	6	o	52	87	7	1-1500	St	10	-	-	S	1016.8	-4	SW	7	o	52	98	5	1-1000	St	10	-	-	-	-	-	
†Valencia (Cahire'n)	1022.2	-7	SW	6	o	52	87	7	1-1500	St	10	-	-	S	1016.8	-4	SW	7	o	52	98	5	1-1000	St	10	-	-	-	-	-	
†Anglesey (Llangefni)	1020.3	-2	W	4	o	50	92	5	1-2000	Nb	10	-	-	4	?	-6	SW	6	o	49	98	7	1-1500	Nb	10	-	-	-	-	-	
†Falmouth	1027.8	-3	W	8	o	53	82	5	-	Cu	4	As	6	3	1025.3	-5	WSW	7	o	51	82	4	-	St	10	-	-	-	-	-	
†Calshot (Hants)	1024.8	0	NW	3	o	51	92	4	<500	St	10	-	-	3	1023.2	0	W	3	bc	53	82	5	3-4000	Cu	6	-	-	-	-	-	
†Cape (Folkestone)	1024.2	-1	SSW	2	ome	36	98	1	1-1000	Nb	10	-	-	3	1021.4	-3	W	4	o	44	98	0	<500	St	10	-	-	-	-	-	
Aberdeen	1006.5	-9	S	4	o	38	92	3	-	Nb	10	-	-	3	996.5	-12	SSW	4	ome	42	92	3	-	Nb	10	-	-	-	-	-	
†East Fortune	1009.7	-6	S	3	o	45	87	5	2-3000	Nb	7	As	2	*	1004.0	-11	SW	6	ome	48	92	2	1-2000	Nb	10	-	-	-	-	-	
†Flamboro' Hd.	1016.6	-7	SSW	3	ome	38	98	1	<500	Nb	10	-	-	*	1011.7	-6	SW	4	ome	42	98	3	1-1000	Nb	10	-	-	-	-	-	
†Felixstowe	1022.7	-4	SW	3	ome	39	98	3	1-1500	Cu	10	-	-	4	1019.7	-3	SW	2	o	42	98	1	1-1500	Nb	10	-	-	-	-	-	
†Cranwell (Lincs)	1019.3	-5	SSW	3	ome	42	98	2	1-1000	Nb	10	-	-	*	1015.6	-3	SW	3	o	47	92	4	2-3000	St	10	-	-	-	-	-	
†Bedford	1021.4	-3	SW	3	ome	46	92	0	1-1500	St	10	-	-	*	1018.3	-3	SW	3	od	48	87	2	1-1500	St	10	-	-	-	-	-	
Benson	1021.9	-3	WSW	3	o	50	98	3	-	-	-	-	-	*	1020.9	-1	WSW	4	o	49	87	5	-	St	10	-	-	-	-	-	
London (Kew Obs.)	1022.4	-4	SW	2	ome	46	98	2	1-1500	St	8	As	2	*	1020.5	-2	WSW	3	o	49	87	5	-	St	10	-	-	-	-	-	
1h. G.M.T. OF 18 th															7h. G.M.T. OF 18 th																
†Houton B. (Orkney)	1006.5	+5	W	5	bc	40	75	6	-	St	5	-	-	*	1009.9	+2	W	4	bc	37	92	7	-	Cu	3	-	-	-	-	-	-
†Eskdalemuir	1008.5	+3	NNW	7	d	43	98	-	2-3000	Nb	11	-	-	*	1010.8	+1	NNW	3	bc	41	98	10	2-3000	Nb	3	-	-	-	-	-	-
†Stranraer	1019.5	+3	NNW	7	om	50	*	*	*	*	*	*	*	*	1021.2	+1	NNW	4	bc	50	65	7	2-4000	Sc	6	-	-	-	-	-	-
†Lough Foyle	1019.5	+3	NNW	7	om	50	*	*	*	*	*	*	*	*	1021.2	+1	NNW	4	bc	50	65	7	2-4000	Sc	6	-	-	-	-	-	-
†Valencia (Cahire'n)	1019.5	+3	NNW	7	om	50	*	*	*	*	*	*	*	*	1021.2	+1	NNW	4	bc	50	65	7	2-4000	Sc	6	-	-	-	-	-	-
†Anglesey (Llangefni)	1011.3	+2	NW	5	o	48	87	9	<500	Nb	9	-	-	5	1021.2	+2	NW	4	o	49	92	6	-	S.C.	6	As	4	-	-	-	-
†Falmouth	1019.2	-3	WSW	8	o	52	98	2	-	Nb	10	-	-	11	1017.8	+1	WSW	3	o	47	92	4	2-3000	St	6	-	-	-	-	-	-
†Calshot (Hants)	1015.9	+2	W	5	o	50	92	2	2-3000	Nb	10	-	-	7	1017.8	+1	WSW	3	o	47	92	4	2-3000	St	6	-	-	-	-	-	-
†Cape (Folkestone)	1016.5	-7	W	6	o	45	98	1	1-1000	Nb	10	-	-	7	1017.8	+1	WSW	3	o	47	92	4	2-3000	St	6	-	-	-	-	-	-
Aberdeen	1009.3	-2	S	5	o	39	92	3	<500	Nb	10	-	-	*	1004.2	+2	WSW	1	bc	37	65	6	-	-	-	-	-	-	-	-	-
†East Fortune	1009.5	+3	W	4	o	41	82	-	2-3000	St	2	-	-	*	1010.0	+4	NNW	4	bc	39	82	6	4-5000	St	1	As	2	-	-	-	-
†Flamboro' Hd.	1005.4	-4	W	4	o	45	98	5	1-1500	St	7	As	2	*	1010.0	+4	NNW	4	bc	39	82	6	4-5000	St	1	As	2	-	-	-	-
†Felixstowe	1011.6	-9	WSW	5	o	46	98	3	<500	Nb	10	-	-	2	1013.0	+2	NW	3	o	46	92	4	1-1000	St	9	-	-	-	-	-	-
†Cranwell (Lincs)	1011.8	-3	WSW	5	bc	49	92	4	2-3000	St	3	-	-	*	1013.5	+4	NNW	2	bc	41	92	4	3-4000	St	2	As	1	-	-	-	-
†Bedford	1009.9	-4	WSW	5	om	50	87	3	2-3000	St	10	-	-	*	1014.1	+5	NW	3	bc	45	75	4	1-1500	St	5	-	-	-	-	-	-
Benson	1009.9	-4	WSW	5	om	50	87	3	2-3000	St	10	-	-	*	1015.1	+5	NNW	3	bc	45	75	4	1-1500	St	5	-	-	-	-	-	-
London (Kew Obs.)	1012.5	-6	SW	3	od	50	*	*	*	*	*	*	*	*	1015.0	+6	NNW	2	bc	47	75	4	2-3000	S.C.	3	-	-	-	-	-	-
STATIONS CONTRIBUTING REPORTS AT 7h AND 19h.																															
STATIONS.	BAROM. at M.S.L. m.b.	TEMP. °F.	WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Direc. of Upper Cloud.	Weather.	Sea.	Rainfall mm.	TEMP.			WEATHER.			Sunshine Hours.									
			Direc.	Force 0-12.		at M.S.L. m.b.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Direc.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.											
19h. G.M.T. OF 17 th															7h. G.M.T. OF 18 th																
Lerwick	989.1	-44	SSE	9	omr	994.5	+2	41	-2	SW	3	-	omr	3	20	47	36	omr	omr	omr	omr	omr	0.0								
Stornoway	995.6	45	W	8	chq	999.9	-4	41	-7	W	5	-	bcq	4	13	51	39	omr	omr	omr	omr	omr	0.0								
Castletown (Barrats)	1001.0	48	W	6	c	1004.8	-1	46	-5	W	5	W	o	5	5	52	42	r	chq	chq	chq	chq	0.0								
Glasgow	1001.4	48	SW	5	od	1008.8	+2	40	+5	W	3	W	b	*	14	49	35	omr	omr	omr	omr	omr	0.0								
Main Head	1003.3	51	W	6	omr	1008.8	+2	46	-4	W	5	-	cq	5	4	51	43	omr	omr	omr	omr	omr	0.0								
Blacksod Point	1009.1	51	W	3	om	1015.7	0	46	-6	NNW	2	-	c	3	10	53	42	omr	omr	omr	omr	omr	0.0								
Roche's Point...	1018.4	51	WSW	5	r	1021.1	+2	44	-6	WSW	3	-	o	3	2	52	42	omr	omr	omr	omr	omr	0.0								
Birr Castle	1011.4	51	SW	4	r	1017.3	0	41	-9	W	1	-	c	3	6	51	39	omr	omr	omr	omr	omr	0.0								
Donaghadee	1006.5	50	SW	3	omr	1013.1	+4	40	-4	WSW	3	-	b	3	4	51	39	omr	omr	omr	omr	omr	0.0								
Liverpool (Bidston)	1011.6	48	SW	5	r	1013.5	+4	43	-2	W	6	NNW	bcq	5	10	51	44	omr	omr	omr	omr	omr	0.0								
Holyhead	1011.4	50	WSW	6	ogr	1015.2	+2	45	-5	W	5	W	cq	5	7	52	44	ogr	ogr	ogr	ogr	ogr	0.0								
Pembroke (St. Ann's Head)	1008.9	51	WSW	6	ogr	1018.9	+3	44	-3	W	5	W	bcv	6	8	51	47	ogr	ogr	ogr	ogr	ogr	0.0								
Scilly (St. Mary's)	1026.1	52	W	6	o	1021.8	+1	50	-1	NNW	5	-	om	6	3	54	50	omr	omr	omr	omr	omr	0.2								
Jersey (St. Aubin)	1028.0	52	NNW	6	ogr	1019.8	-1	53	+2	W	4	-	o	4	6	55	50	ogr	ogr	ogr	ogr	ogr	0.1								
Portland Bill	1023.3	52	WSW	6	o	1017.2	+1	49	-1	NW	6	-	o	6	2	53	47	ogr	ogr	ogr	ogr	ogr	0.0								
Dunegness	1020.8	46	WSW	4	o	1012.8	+2	49	+15	NNW	3	-	c	3	2	49	33	omr	omr	omr	omr	omr	0.0								
Wick	994.0	45																													

SUMMARY OF CONDITIONS AT 7 A.M. Tuesday, 18th November, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	WNW. 5-15	R. mild	Fine to cloudy.	Good.	Slight
2. E. England	WNW. 10-15	"	Variable cloud.	Var.	Smooth
3. E. Midlands	WNW. 5-10	"	Fair or cloudy.	Fair	-
4. W. Midlands	W-NW. 5-15	"	Fair or cloudy.	"	-
5. S.W. England	NW. 15-28	Mod.	Dull, local mist.	Good	Rough.
6. South Wales	W. 10-20	"	Fair.	V. good	"
7. North Wales	W. 15-20	"	Cloudy.	Good	R. rough
8. N.W. England	W. 15-28	"	Fine to cloudy.	"	"
9. N. Midlands	WNW. 5-15	"	Fair or cloudy.	Ord.	-
10. N.E. England	W-NW. 10-20	R. cold	Fair or fine, local mist.	Good	Slight
11. E. Scotland	S-SW. 2-10	Moderate	Fair or fine.	"	Smooth
12. S.W. Scotland	W. 10-15	"	Fine	V. good	Slight
13. Isle of Man	W. 10-20	"	Fine to cloudy.	Good	Mod.
14. N. & N.W. Scotland	SW-W. 5-10	R. cold	Fair or fine, local mist.	Ord.	Slight
15. Hebrides	W. 20	Moderate	Fair to dull, squally.	Good	Mod.
16. Orkneys and Shetlands	SW. 10-15	"	Dull, some mist and rain.	-	Slight
17. N.W. Ireland	WNW. 5-10	"	Cloudy, local mist.	-	"
18. N.E. Ireland	SW-W. 10-20	"	Fine to cloudy, squally.	Fair	Mod.
19. S.E. Ireland	W. 2-10	"	Fair or cloudy.	Good	R. rough
20. S.W. Ireland	SW-WNW. 10-15	"	Fair to dull.	"	Moderate



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

A small secondary depression lying to the northward of Scotland and others which are likely to move from west to east pore directly over the British Isles may be expected to cause an unsettled type of weather, with showers in places and winds between W. and NW.

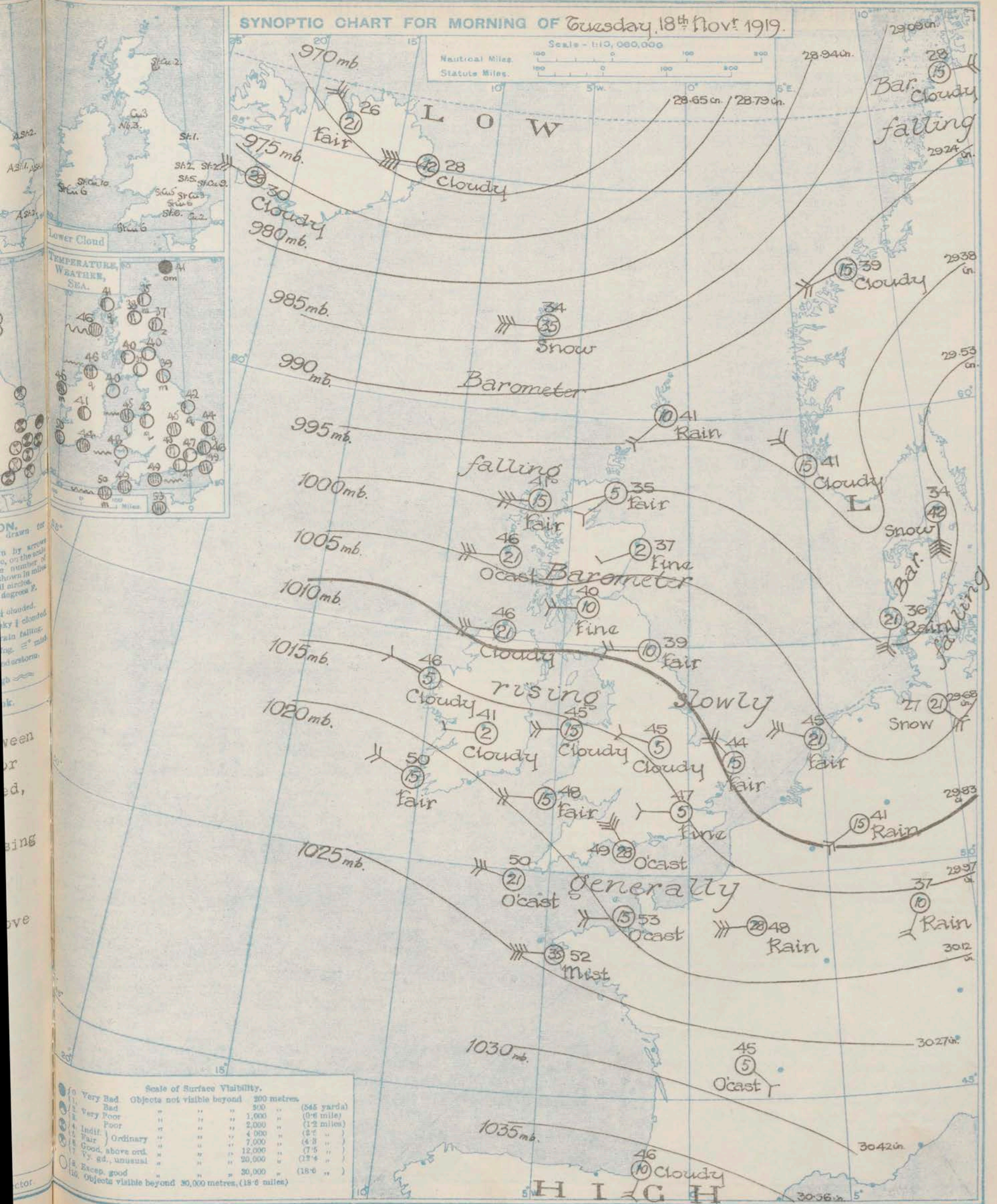
EXPLANATION.
BAROMETER.—Isobars are drawn for intervals of five millibars.
WIND.—Direction is shown by arrow flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in degrees F.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

Districts.	Forecasts for the 24 hours commencing 3 p.m. Tuesday, 18th November, 1919
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind between W. and NW. backing towards SW. later, light or moderate, stronger at times. Variable sky, local showers. Moderate or rather mild temperature.
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind between SW. and NW, moderate, strong or high at times. Changeable, some showers, rain, hail or sleet. Moderate temperature.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind W. to SW. moderate to fresh or strong. Variable sky, some showers. Moderate temperature.

Further Outlook.
 Wind between SW. and W. or NW. Unsettled, occasional rain or passing showers.
 Temperature about or above normal.

SYNOPTIC CHART FOR MORNING OF Tuesday, 18th Nov 1919.

Scale - 1:10,000,000
Nautical Miles
Statute Miles



WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS																			
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. F.	Min. F.	Night. 12h-1h.	Day. 12h-1h.	Sunrise to Sunset.	Forenoon.			Afternoon.	Max. F.	Min. F.	Night. 12h-1h.	Day. 12h-1h.	Sunrise to Sunset.		
Scotland.	Oban									England, N.W.	Douglas (I.O.M.)								
	Banff	op	op	43	42	-	2	0.0	Blackpool		or	or	49	28	11	3		0.0	
	Montrose								Southport		or	or	47	34	6	3		0.0	
	St. Andrews	op	op	47	28	2	2	0.0											
England, N.E.	Scarborough	*	*	50	45	1	-	0.0		Midlands.	Buxton	or	or	45	30	6	10		0.0
	Harrogate	odp	odp	46	32	4	0.4	0.0	Leamington Spa... ..		or	o	51	34	2	1		0.0	
	Skogness	odm	odm	43	32	-	2	0.0	Malvern										
									Ross-on-Wye		c	c.op	53	41	0.4	-		0.0	
England, E.	Felixstowe	bcm	orm	41	35	2	5	0.0		Wales.	Rhyl	r	r	52	34	5	1		0.0
	Walton-on-Naze... ..								Colwyn Bay		*	*	51	44	8	3		0.0	
	Southend-on-Sea... ..	orm	od	45	33	2	2	0.0	Llandudno		or	or	51	44	4	2		0.0	
									Aberystwyth		or.o	or.o	48	45	4	4		0.0	
England, S.E.	Margate	om	or	46	34	2	2	0.0		England, S.W.	Weymouth	oe.o	o	53	35	3	0.2		0.1
	Ramsgate	*	*	42	31	2	2	0.0	Teignmouth										
	Folkestone	m	rd	44	36	3	2	0.0	Torquay		o	o	54	41	1	-		0.0	
	Hastings								Paignton		cg	cpq	54	40	1	-		0.0	
	Eastbourne... ..	o	or.o	50	37	4	1	0.0	Penzance		o.c	o	53	44	7	-		0.0	
	Brighton	orm	o	48	33	2	1	0.0	Newquay		o.c	o	52	42	6	-		0.0	
	Worthing	od	o	49	37	1	1	0.0	Bude		c.or	or	53	29	7	0.4		0.0	
	Littlehampton	dm	otm	50	46	2	1	0.0	Ilfracombe										
	Bournemouth	*	*	54	37	4	0	0.0	Weston-s-Mare		o	or	50	38	5	0.3		0.0	
	Tunbridge Wells	omod	od.o	48	32	3	1	0.0											

STATIONS.	SUMMARIES FOR PAST 24 HOURS.										BEAUFORT NOTATION.		THE BEAUFORT SCALE OF WIND FORCE.			
	WEATHER					Max. Temp. °F.	Min. Temp. °F.	Min. on Grass °F.	RAINFALL.				Sun. Hours.	No.	Limits of Velocity.	
	7h-13h.	13h-18h.	18h-7h.	1h-7h.	Day. 7h-18h.				Night. 18h-7h.	Statute miles per hour.					Metres per second.	
†Houton Bay (Orkney)...								*	*	*	*		0	Less than 1	Less than 0.3	
Eskdalemuir ...	dm of e	or f orm	orm e bang	bc b q	46	32	33	15	7	0.0		1	1-8	0.3-1.5		
†Stranraer ...	o d	g r	ef g	b b c q	50	40	*	*	*	*		2	4-7	1.6-3.3		
†Lough Foyle ...							*	*	*	*		3	8-12	5.4-5.4		
Valencia (Cahirciveen) ...	o	or	or p bc		54	48	44	5	1	0.0		4	13-18	5.5-7.9		
†Anglesey (Llangefni) ...	o r	r o	rg				*	*	*	*		5	19-24	8.0-10.7		
Falmouth ...	or	or	rg	rg c o q	52	48	46	1	10	0.0		6	25-31	10.8-13.8		
†Calshot (Hants) ...	rg	o of	b bc	r	53	45	*	*	*	*		7	32-38	13.9-17.1		
†Capel (Folkestone) ...	f i	f i	rg				*	*	*	*		8	39-46	17.2-20.7		
Aberdeen ...	om d r	om d r	o. p. g. b		46	36	29	5	0.1	0.0		9	47-54	20.8-24.4		
†East Fortune ...	r g	r g	rg b q				*	*	*	*		10	55-63	24.5-28.4		
†Flamborough Head ...	r f i	of r	orm	b b c q	41	34	*	*	*	*		11	64-75	28.5-33.5		
†Felixstowe ...	f i	ef r	r	p	49	36	*	*	*	*		12	Above 75	33.6 or above		
†Cranwell (Lincs) ...	r r	r o	p	b bc	49	34	*	*	*	*						
†Bedford ...	of r	f i	c of	om q	50	38	*	*	*	*						
Benson ...	om	o		rc	51	37	36	-	3	*						
London (Kew Obsy.) ...	om of om	om om	or c bc b		51	36	40	1	3	0.0						

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.

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

SYMBOLS—

Aurora	☾	Solar halo	☉
Rime	☾	Lunar halo	☾
Glazed frost	☉	Solar corona	☉
Glazed roads	☉	Lunar corona	☾

LONDON. OBSERVATIONS.	WEATHER.			Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass. ° F.	Rain- fall. mm.	Sun- shine to Sunset. Hours.	HUMIDITY %		SOUTH KENSINGTON (Meteorological Office).	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.				
	Morning	Afternoon.	Night.						15 h.	9 h.						
				G.M.T.	G.M.T.											
	24 HOURS ENDED 9h G.M.T. 18 th							YESTERDAY.	TO-DAY.		Vertical Component of Solar Radiation per Square Centimetre during yesterday.	18 th AND 19 th NOVEMBER 1919.				
Greenwich (Royal Observatory)	0	o.c	or o	51	38	37	4	0.0	92	75		Total 83 Joules. Milliwatts. Average Rate. 2.6 Maximum Rate. 7	Stations.	Sunrise.	Noon.	Sunset.
City (Bunhill Row)	*	*	*	*	*	*	*	0.0	*	*			G.M.T.	G.M.T.	G.M.T.	
Westminster (St. James's Park)	*	*	*	52	39	36	4	0.0	94	79			Yarmouth ... {	7.20	11.38	3.56
" (Admiralty Arch)	adm of	adm.org	org.ogpe	51	40	*	3	0.0	95	73	Greenwich {		7.22	11.38	3.55	
Camden Sq. (British Rainfall)	fe. od	or. o	*	50	39	39	5	0.0	99	82	Wick ... {	7.24	11.45	4.6		
Kensington Palace	od	od	*	51	36	40	4	*	85	83	Valencia ... {	7.26	11.45	4.5		
													8.9	11.57	3.45	
													8.12	11.57	3.43	
													8.7	12.26	4.45	
													8.9	12.26	4.44	

NOTES ON THE WEATHER OF YESTERDAY.

Temperature rose to 50° or a little higher in most parts of the Kingdom. Rain fell very generally, the quantity being moderate in most localities, but considerable at some northern stations; 22 mm. at Eskdalemuir, 20 mm. at Lerwick, 14 mm. at Glasgow. At nearly all stations the day was sunless, the highest record being 0.2h. at Scilly. SW. to W. gales or high winds were experienced on many parts of the coasts.

† Air Ministry Station.

* Information for these columns not usually received.



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

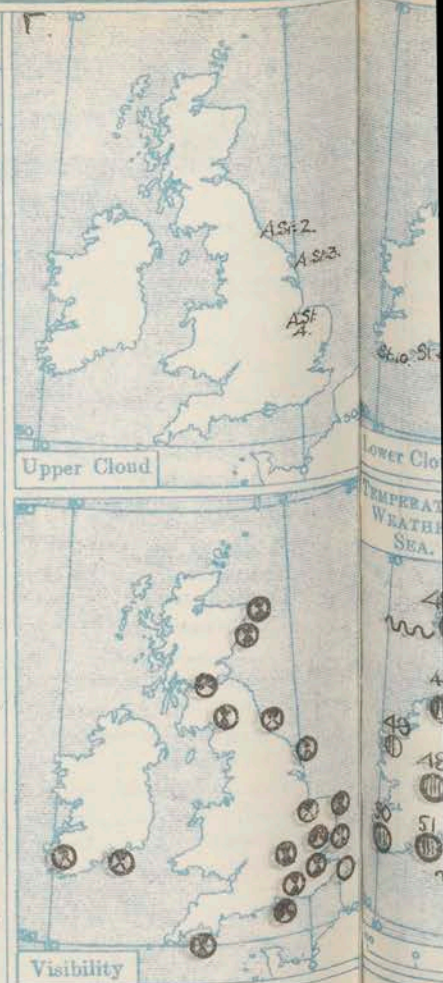
No 2118.1 B WEDNESDAY, 19th NOVEMBER, 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1h, 7h, 13h AND 19h.																												
STATIONS.	BAROM.	↑	WIND.		Weather.	TEMP.	HUMIDITY.	VISIBILITY.	Height of Low Cloud.	Low Cloud.	Upper Cloud.	Sea.	BAROM.	↑	WIND.		Weather.	TEMP.	HUMIDITY.	VISIBILITY.	Height of Low Cloud.	Low Cloud.	Upper Cloud.	Sea.				
	at M.S.L.	Change in 3 hours.	Dir.	Force 0-12.		°F.	%	0-10.	Feet.	Form.	Amt. 0-10.	0-9.	at M.S.L.	Change in 3 hours.	Dir.	Force 0-12.		%	0-10.	Feet.	Form.	Amt. 0-10.	0-9.					
	m.b.													m.b.														
13h. G.M.T. 13 th													18h. G.M.T. OF 18 th															
†Houton B. (Orkney)	1010.0	-1	WSW	6	bcq	43	75	6	-	Cu	1	Cu	4	*	1008.8	-1	SW	6	org	42	87	6	-	Nb	10	-	-	*
†Eskdalemuir	1012.3	0	W	5	bc	46	92	6	2-3000	St	3	A.Cu	3	*	1010.9	-2	W	5	od	42	98	?	15-2000	Nb	10	-	-	*
†Stranraer	1021.2	-1	WSW	5	c	51	75	6	3-4000	Scu	6	A.Cu	2	4	1019.4	-2	SW	4	c	51	82	7	3-2000	Cu	3	-	-	4
†Lough Foyle	1017.3	0	WSW	5	bc	46	87	7	2-3000	Scu	2	Cu	2	5	1016.6	0	SW	5	o	46	87	?	15-2000	St	7	-	-	5
†Valencia (Cahire'n)	1023.2	0	W	3	o	51	75	5	-	Cu	2	A.St	8	*	1023.5	0	WSW	3	b	47	82	6	-	St.Cu	1	-	-	*
†Anglesey (Llangefni)	1018.6	+2	WNW	3	bcz	46	75	4	15-2000	Scu	2	Cu.S	4	*	1021.9	+1	NNW	2	bc	45	85	5	3-4000	Cu	2	A.Cu	2	3
†Falmouth	1018.6	+2	WNW	3	bcz	46	75	4	15-2000	Scu	2	Cu.S	4	*	1021.0	+2	WNW	3	b	42	75	5	-	-	A.St	2	4	
†Calshot (Hants)	1002.4	-4	SW	4	bc	45	55	7	-	-	-	F.Cu	4	3	1002.2	+1	SW	3	b	42	75	6	-	-	3a.Cu	2	2	
†Capel (Folkestone)	1006.2	-3	WSW	6	bc	47	75	5	2-3000	F.Cu	4	Cu	1	*	1015.6	+1	SW	7	bcz	44	82	?	2-3000	Nb	6	-	-	*
†Aberdeen	1016.0	+2	W	3	bc	46	75	6	2-3000	St	2	A.St	3	*	1012.9	0	SW	5	bcq	40	92	5	4-5000	St.Cu	3	A.St	1	*
†East Fortune	1017.4	+1	W	4	cq	47	65	5	4-5000	Cu	2	Cu	5	*	1019.6	+1	W	3	c	42	92	4	4-2000	St	8	-	-	4
†Falmouth	1018.7	+2	W	3	o	47	75	6	3-4000	Scu	2	Cu.S	6	*	1017.1	0	SW	3	bc	41	82	4	2-3000	St	3	A.St	1	*
†London (Kew Obs.)	1019.2	+3	WNW	3	c	48	65	5	3-4000	Cu	2	Cu.S	6	*	1018.9	0	WSW	3	b	43	82	4	1-1500	St	2	-	-	*
1h. G.M.T. OF 19 th													7h. G.M.T. OF 19 th															
†Houton B. (Orkney)	1006.5	-2	SW	6	og	43	92	6	-	Nb	9	-	-	*	1000.7	-6	SW	6	or	44	92	4	-	Nb	10	-	-	*
†Eskdalemuir	1007.9	-1	WSW	5	o	47	92	*	2-3000	St.Cu	10	-	-	*	1001.4	-4	W	5	orf	46	99	*	15-2000	Nb	10	-	-	*
†Stranraer	1011.7	-9	NNE	2	or	49	*	*	*	*	*	*	*	*	1009.4	+2	W	3	o	50	98	7	1-1500	St	10	-	-	4
†Lough Foyle	1019.2	-4	SW	2	or	50	98	2	-	Nb	10	-	-	*	1005.4	0	SSW	5	ofo	46	98	*	1-1000	Nb	10	-	-	5
†Valencia (Cahire'n)	1024.9	+1	W	1	o	45	92	2	1-1000	St	10	-	-	3	1014.1	-3	WSW	9	org	53	92	5	-	Nb	10	-	-	*
†Anglesey (Llangefni)	1019.6	-2	W	5	bc	41	92	6	-	-	Cu.St	5	3	1010.7	-3	W	3	or	48	98	2	3-4000	Nb	10	-	-	4	
†Falmouth	999.3	0	WSW	2	of	38	98	6	2-3000	St.Cu	2	-	-	*	1015.0	-6	SW	3	orf	45	98	0	1-1000	Nb	10	-	-	3
†Calshot (Hants)	1012.0	-1	SW	4	bcq	43	82	5	4-5000	Cu	4	A.St	1	*	996.7	-4	SW	2	or	41	92	5	-	Nb	10	-	-	2
†Capel (Folkestone)	1017.7	-3	W	2	c	40	98	3	1-1500	St	8	-	-	*	999.2	-7	SW	4	o	47	82	-	15-2000	Scu	6	-	-	*
†Aberdeen	1018.4	-1	SW	4	o	44	92	4	2-3000	St	7	A.St	3	*	1005.5	-8	S	5	om	43	92	4	5-7000	Scu	7	A.St	3	*
†East Fortune	1016.8	-2	SW	3	bcq	43	87	3	3-4000	St	5	-	-	*	1013.4	-5	WSW	4	or	44	98	4	1-1500	St	10	-	-	2
†Falmouth	1010.2	-6	SSW	4	or	45	98	5	-	-	-	-	-	*	1007.7	-5	SSW	4	o	45	92	6	2-3000	St	6	A.St	4	*
†London (Kew Obs.)	1012.4	-6	SSW	2	or	46	92	4	2-3000	St	10	-	-	*	1011.0	-5	SW	5	org	46	87	3	1-2000	St	10	-	-	*
STATIONS CONTRIBUTING REPORTS AT 7h AND 19h.																												
STATIONS.	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Dir. of Upper Cloud.	Weather.	Sea	Rainfall mm.	TEMP.		WEATHER.			Sunshine Hours.							
	at M.S.L.	°F.	Dir.	Force 0-12.		at M.S.L.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Dir.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.								
	m.b.					m.b.																						
18h. G.M.T. OF 18 th													7h. G.M.T. OF 19 th															
Lerwick	992.1	40	SW	4	cmq	990.6	-1	40	-1	SW	4	-	o	3	13	42	35	rh.p.	clrk.p	clrk.p	*							
Stornoway	992.8	41	W	5	c	989.7	-8	39	-2	S	1	-	r	1	16	44	*	cpq	cpq	or	0.0							
Castlebay (Barra)	1002.9	47	W	5	o	992.3	-8	44	+2	NNW	5	-	o	5	6	49	42	sh.p	opcp	p.bepo	0.8							
Glasgow	1007.0	42	WSW	5	r	998.4	-6	45	+5	SW	4	-	c	*	16	46	39	corhp	c.orhp	cbgop	1.0							
Malin Head	1005.6	47	W	5	cq	995.6	-4	48	+2	W	4	w	bc	4	4	50	43	cq	cq	cp	3.0							
Blacksod Point	10015.6	51	W	3	rq	1001.6	-2	49	+3	W	4	-	bcmq	4	4	51	43	cp	cp	omcqm	*							
Roche's Point	1020.4	48	WSW	3	c	1007.6	-3	51	+7	W	3	-	o	3	5	53	48	c.o.c.	o.c.	oro	*							
Birr Castle	1016.0	47	SW	2	r	1005.0	*	48	+7	SW	2	-	o	*	2	49	38	cp	o.or	oro	1.8							
Donaghadee	1012.2	46	WNW	4	cm	1003.1	-5	45	+5	SW	3	-	c	3	0.4	49	42	bz	c	cm	*							
Liverpool (Bidston)	1015.0	45	W	5	b	1005.2	-6	46	+3	SW	3	-	o	3	0.2	49	42	bzm	bzm	oco	4.7							
Holyhead	1004.4	-5	48	+3	SW	4	-	r	2	2	49	44	*	2	49	44	*	bc.cor	bc.cor	1.5								
Pembroke (St. Ann's Head)	1020.7	49	WSW	4	o	1007.0	-7	52	+4	WSW	5	-	r	5	5	52	48	c.o.	o	o.g	0.1							
Scilly (St. Mary's)	1024.7	50	W	4	om	1015.4	-3	52	+2	WSW	5	-	o	2	2	52	46	bcm	om	omp	0.6							
Jersey (St. Aubin)	1024.1	53	W	4	c	1016.6	-3	53	0	W	6	-	o	0	3	53	48	c	o.c.	boq.b	0.0							
Portland Bill	1021.1	49	W	5	c	1011.3	-8	52	+3	SW	6	-	or	5	5	52	47	o	opc	ogr	*							
Dungeness	1020.3	44	WSW	3	b	1015.0	-3	47	-2	SW	3	-	c	3	0.3	50	43	cb	bc.	r.bape	*							
Wick	997.2	38	WSW	3	bcm	993.0	-3	40	+5	SW	3	-	c	4	8	42	33	bc.omp	omp.bc	bcomp	*							
Nairn	1000.0	41	W	1	o	993.8	*	40	+2	W	1	-	c	1	12	41	37	bc.ct	bc.ct	prcq	0.5							
Leith	1005.1	45	WSW	5	o	997.4	-3	46	+6	SW	4	-	c	3	9	47	39	bcupv	opgrv	ogrc	*							
Tynemouth	1007.7	45	WSW	3	b	1001.9	-3	47	+8	SW	3	-	c	2	-	47	38	bcm	bcm	bcbcm	*							
Spurn Head	1014.6	43	SW	4	bcm	1007.2	-4	43	+1	SW	3	-	o	3	-	45	39	bzm	bcm	om	0.0							
Yarmouth (Gor. station)	1017.0	40	NW	2	br.	1012.2	-3	44	-2	WSW	2	-	bc	*	0.4	48	32	bcq	bcqm	bcbcm	6.0							
Clacton-on-Sea	1014.3	42	W	3	b	1013.1	-4	40	-6	SSW	4	-	c	3	-	49	39	c.bc	bc.b	bcm	5.1							
Nottingham	1016.9	40	SW	1	b	1007.8	*	45	0	SW	3	-	r	*	0.2	48	39	cfm	c.o.	b.bc	1.5							

† Air Ministry Station. * Information for these columns not usually received. † The barometric change is expressed in half millibars. ‡ Longitude † at 1h.

SUMMARY OF CONDITIONS AT 7 A.M. Wednesday, 19th November, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	S-SW. 5-15	R.mild	Dull, local rain and mist.	Var.	Slight
2. E. England	SW. 15-20	Moderate	Fair to dull, local rain.	Ord.	"
3. E. Midlands	SW. 10-15	R.mild	Dull, some rain.	"	-
4. W. Midlands	SW. 10-15	"	Dull, local rain.	"	-
5. S.W. England	SW. 20-35	"	Dull, some rain.	Fair	Rough
6. South Wales	WSW. 20	"	Dull, squally, some rain.	"	R.rough
7. North Wales	SW. 15-20	"	Dull, some drizzle and mist.	Poor	Mod.
8. N.W. England	SW. 10-20	"	Dull, local drizzle.	V.poor	-
9. N. Midlands	SW. 10-15	"	Dull, some showers.	Ord.	Slight
10. N.E. England	S-SW. 10-20	Mod.	Fair to dull, coastal mist.	"	-
11. E. Scotland	S-SW. 5-15	"	Fair to dull.	Fair.	Slight
12. S.W. Scotland	SW. 15-28	R.mild	Cloudy or dull, some rain.	Poor	Smooth
13. Isle of Man	SW. 10-15	"	Dull, some drizzle	"	Slight
14. N. & N.W. Scotland	SW. 5-15	Mod.	Dull, local mist.	-	"
15. Hebrides	S-SW. 10-20	"	Dull, local rain.	-	Var.
16. Orkneys and Shetlands	SW. 15	"	Dull, misty.	-	Slight
17. N.W. Ireland	SW-W. 5-15	R.mild	Fair, local mist.	-	Mod.
18. N.E. Ireland	SW-W. 10-15	Mod.	Fair or cloudy.	-	Slight
19. S.E. Ireland	WSW. 5-15	R.mild	Dull.	Ord.	"
20. S.W. Ireland	W. 10	"	Dull.	Good	Mod.



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

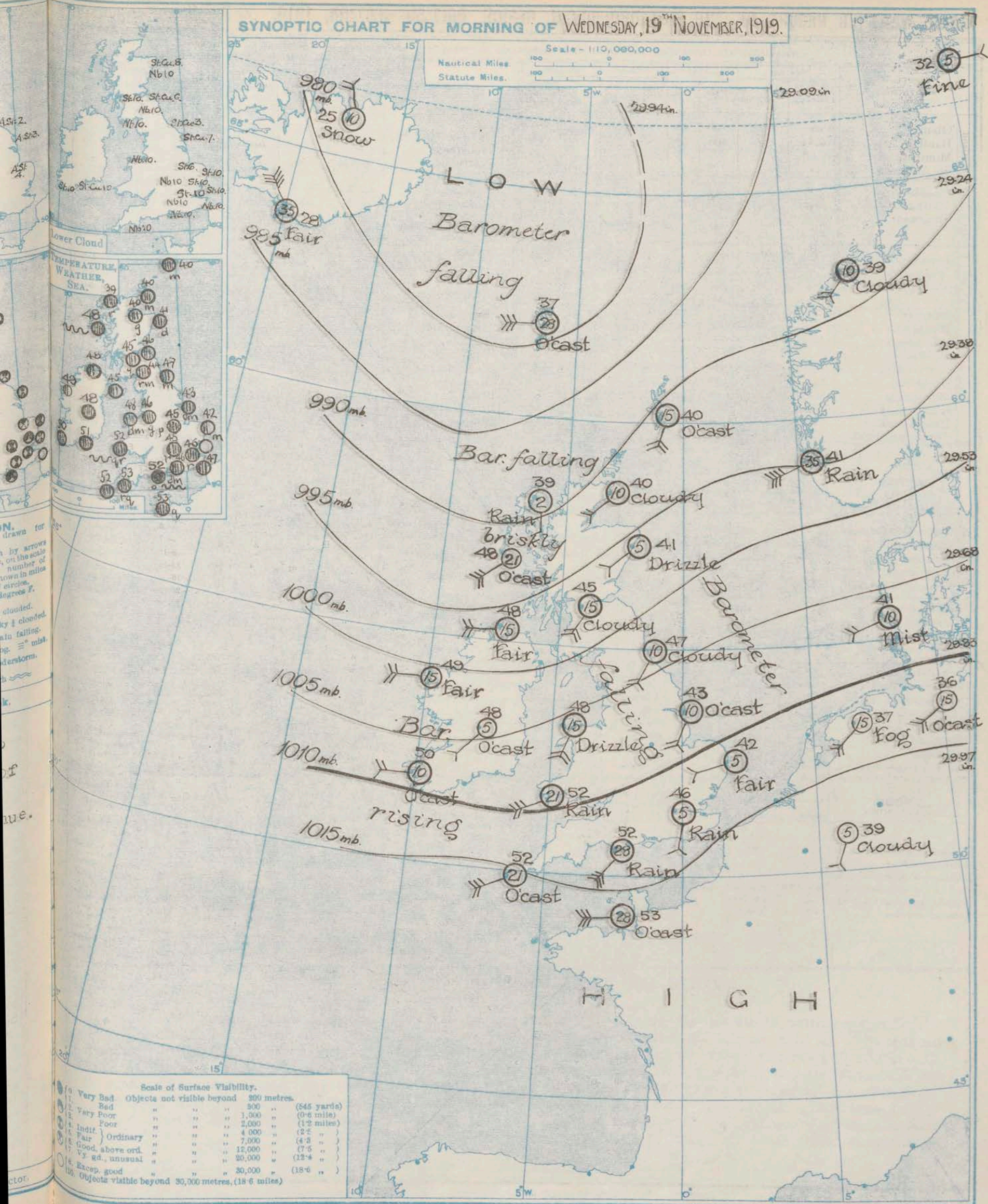
Depressions moving east or north-east over the British Isles and their neighbourhood will maintain the weather in an unsettled condition, with winds between SW. and W.

EXPLANATION.
BAROMETER.—Isobars are drawn for 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 & clouded.
 ⊙ sky & clouded. ⊙ sky & clouded.
 ⊕ overcast sky. ● rain falling.
 * snow. ▲ hail. ≡ fog. ≡ mist.
 T thunder. T thunderstorm.
SEA DISTURBANCE.—
 Rough High

Districts.	Forecasts for the 24 hours commencing 3 p.m. Wednesday, 19th November, 1919	Further Outlook.
1. S.E. England	Wind SW. to W. fresh or strong in most places, squally. Changeable, showery, hail locally.	A SWly. to Wly. type of conditions will continue.
2. E. England		
3. E. Midlands		
4. W. Midlands		
5. S.W. England		
6. South Wales		
7. North Wales		
8. N.W. England		
9. N. Midlands		
10. N.E. England		
11. E. Scotland	No great change of temperature.	
12. S.W. Scotland		
13. Isle of Man		
14. N. & N.W. Scotland		
15. Hebrides		
16. Orkneys and Shetlands		
17. N.W. Ireland		
18. N.E. Ireland		
19. S.E. Ireland		
20. S.W. Ireland		
	Wind between SW. and W. or NW. moderate to strong, squally, changeable, showery, hail locally.	

SYNOPTIC CHART FOR MORNING OF WEDNESDAY, 19TH NOVEMBER, 1919.

Scale - 1:10,000,000
Nautical Miles
Statute Miles.



Scale of Surface Visibility.

Symbol	Description	Distance	Unit
1	Very Bad	Objects not visible beyond	200 metres.
2	Bad	"	300 " (345 yards)
3	Very Poor	"	1,000 " (0.6 mile)
4	Poor	"	2,000 " (1.2 miles)
5	Indif.	"	4,000 " (2.5 ")
6	Fair	"	7,000 " (4.3 ")
7	Good, above ord.	"	12,000 " (7.5 ")
8	Vy gd., unusual	"	20,000 " (12.4 ")
9	Excep. good	"	30,000 " (18.6 ")
10	Objects visible beyond	30,000 metres, (18.6 miles)	

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 18 TH																			
STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-18h.	Day. 18h-19h.	Sunrise to Sunset. 18 TH	Forenoon.			Afternoon.	Max. °F.	Min. °F.	Night. 17h-18h.	Day. 18h-19h.	Sunrise to Sunset. 18 TH		
Scotland.	Oban	or	op	48	41	-	7	0.0	England, N.W.	Douglas (I.O.M.)									
	Banff	b.b.c	cp	45	37	0.2	0.3	2.8		Blackpool	c	c	49	43	6	-	-	5.3	
	Montrose									Southport	b.c.b.c	b.b.c	47	43	3	-	-	5.1	
	St. Andrews																		
England, N.E.	Scarborough	*	*	50	43	-	-	6.7	Midlands.	Buxton	r.c.b.c	b.c	44	39	20	-	-	3.3	
	Harrogate	b.c	b.c.b.c	46	38	6	-	4.8		Leamington Spa	os.c	b.c	47	45	4	-	-	4.0	
	Skegness									Malvern									
										Ross-on-Wye	c.b.c	b.c.c	52	41	1	-	-	0.0	
England, E.	Felixstowe	b.c	b.c	48	41	3	-	6.5	Wales.	Rhyl	or	b.c	49	43	2	-	-	3.7	
	Walton-on-Naze									Colwyn Bay	*	*	47	43	4	-	-	3.3	
	Southend-on-Sea	b	b	50	40	2	-	4.8		Llandudno	b	o	53	43	2.43	-	-	3.3	
										Aberystwyth	or.c	c.o	48	45	*	*	-	0.0	
England, S.E.	Margate	b	b.b.c	52	37	2	-	4.3	England, S.W.	Weymouth	cp	c.b.c	50	46	1	-	-	0.4	
	Ramsgate	b.c	b.c	48	41	3	-	3.6		Teignmouth									
	Folkestone	b.b.c	c	50	42	4	-	3.0		Torquay	c.o	op	50	47	4	0.1	-	0.3	
	Hastings									Paignton	b.c	c.b.m	51	43	6	trace	-	0.0	
	Eastbourne	b.c	c.b.c	50	44	6	-	2.7		Penzance	o	c.o	53	47	7	-	-	0.2	
	Brighton	b.c	c	50	45	2	-	1.2		Newquay	*	*	51	48	6	-	-	0.0	
	Worthing	b.c	b.c	49	41	2	-	2.0		Bude	r.b.c	c.od	51	48	8	0.4	-	0.2	
	Littlehampton	b.c	b.c	49	45	3	-	2.0		Ilfracombe									
	Bournemouth	*	*	49	44	3	-	0.4		Weston-s-Mare	b.c	b.c	48	44	7	-	-	2.0	
	Tunbridge Wells	b.b.c	o.b.c	49	40	-	2	1.8											

STATIONS	SUMMARIES FOR PAST 24 HOURS.										BEAUFORT NOTATION.	THE BEAUFORT SCALE OF WIND FORCE.			
	WEATHER					Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass ° F.	RAINFALL.			Sun. Hours.	No.	Limits of Velocity.	
	7h-18h.	18h-19h.	19h-20h.	20h-21h.	Day. 7h-18h.				Night. 18h-7h.	Statute miles per hour.				Metres per second.	
†Houton Bay (Orkney)...	b.c.p.b.c	b.c.g.o.r.g	o.r.g.o.g	o.g.o.r.m	44	35	37	-	26	2.3	b blue sky (not more than a quarter covered).	0	Less than 1	Less than 0.3	
Eskdalemuir ...	b.c	o.p	r.g	o.p	48	42	*	*	*	*	bc sky partly cloudy (one half covered).	1	1-3	0.3-1.5	
†Stranraer ...	b.c	o.p	r.g	o.p	48	42	*	*	*	*	c generally cloudy (three quarters covered).	2	4-7	1.6-3.3	
†Lough Foyle ...	b.c.o.c	c.o.c	o.o.r.o.p	54	47	46	-	5	0.0	*	d drizzle, or fine rain.	3	8-12	3.4-5.4	
Valencia (Cahirciveen) ...	b.c.o.c	c.o.c	o.o.r.o.p	54	47	46	-	5	0.0	*	e wet air without rain falling.	4	13-18	5.5-7.9	
†Anglesey (Llangefni) ...	b.b.c	c.o.g	o.r	r.g	50	42	*	*	*	*	f fog. g gloom.	5	19-24	8.0-10.7	
Falmouth ...	o	o.b.c.b	o.r	o.r.g	53	46	44	-	4	0.5	h hail. i lightning.	6	25-31	10.8-13.7	
†Calshot (Hants) ...	b.c	c.o	c.o	r.i	50	43	*	*	*	*	m mist.	7	32-38	13.9-17.1	
†Capel (Folkestone)...	2.b.b.c	b.b.g	b.b.g	c.o.f.c	47	40	*	*	*	*	o overcast sky.	8	39-46	17.2-20.7	
Aberdeen ...	b.b.c	o.r.c.b	b.c.m	45	35	29	0.1	0.1	4.1	*	p passing showers.	9	47-54	20.8-24.4	
†East Fortune ...	b.b.c.g	p.g	q	47	40	*	*	*	*	*	q squalls.	10	55-63	24.5-28.4	
†Framborough Head...	b.c	o.f.g	c.o.g	47	40	*	*	*	*	*	r rain.	11	64-75	28.5-33.5	
†Felixstowe ...	b.b.c	p.b.b.c	p.b.b.c	48	37	*	*	*	*	*	rs sleet, i.e., rain and snow together.	12	Above 75	33.6 or above	
†Cranwell (Lines) ...	b.b.c	b.c.b	b.c.o	46	39	*	*	*	*	*	s snow.				
†Bedford ...	b2	b.b.c.f	b.b.c	49	38	*	*	*	*	*	t thunder.				
Benson ...	b.c	b.c	o.p	47	39	32	-	0.4	*	*	u ugly, threatening sky.				
London (Kew Obsy.) ...	b.b.m.c	c.b.c	b.b.c.o.r	48	41	34	-	1	2.6	*	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, 1=heavy. Underlining is used to express continuity.

SYMBOLS—

Aurora	☾	Solar halo	☉
Rime	☾	Lunar halo	☾
Glazed frost	☉	Solar corona	☉
Glazed ronds	☉	Lunar corona	☉

LONDON. OBSERVATIONS.		WEATHER.			Max. Temp.	Min. Temp.	Min. on Grass.	Rain- fall.	Sun- shine to Sunset.	HUMIDITY %		SOUTH KENSINGTON (Meteorological Office).	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.						
		Morning	Afternoon.	Night.	°F.	°F.	°F.	inch.	Hours.	15 h. G.M.T.	9 h. G.M.T.		Stations.	Sunrise.	Noon.	Sunset.			
24 HOURS ENDED 19 TH G.M.T. 1919.																	19 TH & 20 TH November, 1919.		
YESTERDAY.													TO-DAY.						
Vertical Component of Solar Radiation per Square Centimetre during yesterday.																			
Greenwich (Royal Observatory)	b. bc	bc	c. or	48	41	30	2	1.5	69	90									
City (Bunhill Row) ...	*	*	*	49	41	32	2	1.0	70	93									
Westminster (St. James's Park)	*	*	*	49	41	32	2	1.2	70	93									
(Admiralty Arch)	bm, bcm	bcm, bcm	bcm, c or	53	43	35	2	2.2	69	97									
Camden Sq. (British Rainfall)	b	bc, bc.	*	48	40	35	2	2.2	73	95									
Kensington Palace ...	bc	b. bc	*	49	40	36	2	*	80	*									
Total 292 Joules.																			
Milliwatts.																			
Average Rate. 9.3																			
Maximum Rate. 19																			
Yarmouth ... {													7.22 11.38 3.58						
Greenwich {													7.24 11.39 4.5						
Wick ... {													7.26 11.45 4.4						
Valencia ... {													7.28 11.46 4.4						
													8.12 11.57 3.43						
													8.14 11.58 3.42						
													8.9 12.26 4.44						
													8.11 12.27 4.43						



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

No. 21, 192. B THURSDAY 20th NOVEMBER 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.																																																																																																																																																																																																																																																																																																																																																																																																		
STATIONS.	BAROM.	†	WIND.		Weather.	TEMP.	Humidity.	Height	Low Cloud.		Upper Cloud.		Sea.	BAROM.	†	WIND.		Weather.	TEMP.	Humidity.	Height	Low Cloud.		Upper Cloud.		Sea.																																																																																																																																																																																																																																																																																																																																																																								
	at	Change	Dir.	Force		°F.	%	of Low	Form.	Amt.	Form.	Amt.		at	Change	Dir.	Force		°F.	%	of Low	Form.	Amt.	Form.	Amt.																																																																																																																																																																																																																																																																																																																																																																									
	M.S.L.	in 3		0-12.			0-10.	Feet.	0-10.	0-10.	0-9.	M.S.L.		in 3		0-12.			0-10.	Feet.	0-10.	0-10.	0-9.																																																																																																																																																																																																																																																																																																																																																																											
13H. G.M.T. 19 th													18H. G.M.T. OF 19 th																																																																																																																																																																																																																																																																																																																																																																																					
†Houton B. (Orkney)	995.7	-4	SW	5	0	45	87	6	2-3000	Nb	9	-	*	996.3	0	WSW	7	bcg	37	87	6	-	St	6	-	-	*																																																																																																																																																																																																																																																																																																																																																																							
†Eskdalemuir ...	997.6	-4	W	5	bc	49	87	5	1½-2000	Fr.cu	3	Cl.st	2	*	997.0	0	W	7	ot	42	98	?	2-3000	Nb	10	-	-	*																																																																																																																																																																																																																																																																																																																																																																						
†Stranraer ...	1010.2	0	WSW	5	cl	49	75	8	2-3000	St	7	-	-	5	1010.4	+2	W	5	c	50	65	7	2-3000	cu	7	-	-	5																																																																																																																																																																																																																																																																																																																																																																						
†Lough Foyle ...	1004.0	-1	WSW	4	0	49	87	7	3-4000	St.cu	9	Ast.	1	6	1003.9	+1	WSW	5	c	46	87	?	2-3000	St.cu	6	A.cu	1	6																																																																																																																																																																																																																																																																																																																																																																						
†Anglesey (Llangefni)	1011.9	+1	W	5	og	53	87	5	-	cu.nb	7	A.cu	2	*	1012.4	0	W	5	b	50	92	6	-	St.cu	2	-	-	*																																																																																																																																																																																																																																																																																																																																																																						
†Falmouth ...	1007.2	-2	W	4	0	53	92	4	2-3000	St	10	-	-	3	1009.8	+4	W	3	bc	49	55	1	3-4000	St.cu	3	-	-	3																																																																																																																																																																																																																																																																																																																																																																						
†Calshot (Hants) ...	1006.4	-9	WSW	6	0½fo	50	98	2	<500	Nb	10	-	-	5	1006.4	+2	W	5	b	49	92	4	1500	St.cu	3	-	-	4																																																																																																																																																																																																																																																																																																																																																																						
†Capel (Folkestone)	990.2	-5	SSW	3	2	44	82	3	-	St.cu	1	-	-	2	989.0	-1	SW	4	bz	39	65	5	-	St.cu	1	-	-	2																																																																																																																																																																																																																																																																																																																																																																						
Aberdeen ...	999.9	-7	SW	4	om	46	92	4	1½-2000	St	10	-	-	*	998.3	+3	W	4	bc	44	82	5	1-5000	St.cu	4	A.st	2	*																																																																																																																																																																																																																																																																																																																																																																						
†Flamboyant Hd.	1004.0	-8	SW	4	0½fo	48	98	4	2-3000	Nb	10	-	-	4	1004.5	+2	W	4	c	50	87	3	1-1500	Fr.cu	6	-	-	4																																																																																																																																																																																																																																																																																																																																																																						
†Felixstowe ...	1002.1	-3	W	4	0	49	92	4	1½-2000	St	7	A.cu	2	*	1002.1	+2	W	4	bc	45	87	?	2-3000	St	3	Cl	2	*																																																																																																																																																																																																																																																																																																																																																																						
†Cranwell (Lines)	1003.2	-5	WSW	4	om	54	87	3	1-1500	St	10	-	-	*	1004.7	0	WSW	4	bz	47	75	5	-	-	-	-	*																																																																																																																																																																																																																																																																																																																																																																							
†Bedford ...	1004.7	-7	W	3	0	47	75	6	1-1500	St	8	Ast	2	*	1006.5	+1	W	2	b	47	87	7	-	-	-	-	*																																																																																																																																																																																																																																																																																																																																																																							
Benson ...	990.4	-7	WSW	4	om	53	92	5	1-1500	St.cu	8	Ast	2	*	1006.5	+4	WSW	3	b	50	82	5	2-3000	cu	1	-	-	*																																																																																																																																																																																																																																																																																																																																																																						
London (Kew Obs.)	991.5	-2	SW	5	cl	36	87	6	-	St	8	-	-	*	991.2	-1	WSW	5	bcg	32	92	6	-	St.cu	6	-	-	*																																																																																																																																																																																																																																																																																																																																																																						
†Houton B. (Orkney)	991.5	-2	SW	5	cl	36	87	6	-	St	8	-	-	*	992.3	0	WNW	7	cd	37	98	?	2-3000	Nb	8	-	-	*																																																																																																																																																																																																																																																																																																																																																																						
†Eskdalemuir ...	1006.0	-5	W	6	bcg	45	*	*	*	*	*	*	*	*	1009.6	+3	WNW	5	q.cph	43	75	8	2-3000	cu	7	-	-	*																																																																																																																																																																																																																																																																																																																																																																						
†Stranraer ...	1002.7	-2	WSW	6	0	43	92	-	1½-2000	St	10	-	-	6	999.9	+1	W	5	c	40	82	6	2-4000	St.cu	7	-	-	7																																																																																																																																																																																																																																																																																																																																																																						
†Lough Foyle ...	1010.1	-3	W	2	b	47	82	5	-	cu.nb	2	-	-	*	1006.6	-3	W	5	bc	46	75	6	-	cu.nb	6	-	-	*																																																																																																																																																																																																																																																																																																																																																																						
†Anglesey (Llangefni)	1009.6	0	W	2	bc	47	87	2	2-3000	St	10	-	-	3	1002.5	-3	WNW	3	0	46	92	6	1½-2000	St	10	-	-	2																																																																																																																																																																																																																																																																																																																																																																						
†Falmouth ...	1006.7	-2	W	3	b	44	82	7	-	-	-	A.st	3	3	1001.2	-4	SSW	5	bc	43	82	6	1-1500	St	3	A.st	3	4																																																																																																																																																																																																																																																																																																																																																																						
†Calshot (Hants) ...	978.1	-4	SW	3	0	33	98	3	1-1500	St	10	-	-	*	984.7	0	WSW	3	bz	34	75	6	-	St.cu	1	-	-	3																																																																																																																																																																																																																																																																																																																																																																						
†Capel (Folkestone)	988.4	-5	SW	6	bq	38	87	-	2-3000	Nb	2	-	-	*	988.0	-1	WSW	5	bq	35	87	6	1-5000	St.cu	2	-	-	*																																																																																																																																																																																																																																																																																																																																																																						
Aberdeen ...	1003.9	-4	WSW	4	c	43	98	2	1½-2000	St	7	-	-	3	1001.1	-4	SW	4	om	43	98	2	1½-2000	St	10	-	-	3																																																																																																																																																																																																																																																																																																																																																																						
†East Fortune ...	1000.3	-4	WSW	4	bc	42	92	4	2-3000	St	3	A.st	3	*	996.3	-3	W	3	bc	38	92	6	2-3000	St	4	Cl	2	*																																																																																																																																																																																																																																																																																																																																																																						
†Flamboyant Hd.	1003.9	-2	WSW	4	bq	43	87	9	-	-	-	A.st	3	*	998.2	-4	WSW	4	ot	42	82	5	2-3000	St	10	-	-	*																																																																																																																																																																																																																																																																																																																																																																						
†Felixstowe ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1000.3	-3	WSW	3	0	41	98	7	-	Nb	10	-	-	*																																																																																																																																																																																																																																																																																																																																																																						
†Cranwell (Lines)	1000.4	-1	*	*	0	*	*	*	*	*	*	*	*	*	1000.1	-4	WSW	4	ot	44	87	5	1½-2000	cu.nb	9	-	-	*																																																																																																																																																																																																																																																																																																																																																																						
†Bedford ...	STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.																																																																																																																																																																																																																																																																																																																																																																																																	
STATIONS.	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Direc. of Upper Cloud.	Weather.	Sea.	Rainfall.	TEMP.		WEATHER.			Sunshine.																																																																																																																																																																																																																																																																																																																																																																													
	at	°F.	Dir.	Force		at	Change	Temp.	Change	Dir.	Force					Max.	Min.	Morning.	Afternoon.	Night.																																																																																																																																																																																																																																																																																																																																																																														
	M.S.L.			0-12.		M.S.L.	in 3 hours.	°F.	in 24 hours.		0-12.					°F.	°F.	°F.	°F.	°F.	Hours.																																																																																																																																																																																																																																																																																																																																																																													
18H. G.M.T. OF 19 th													7H. G.M.T. OF 20 th														24 HOURS ENDED 7H. 20 th							19 th																																																																																																																																																																																																																																																																																																																																																																
Lerwick ...	1080.0	41	WSW	4	cmg	978.7	-1	33	-7	SW	2	-	om	1	12	44	31	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp	om, tp</

SUMMARY OF CONDITIONS AT 7 A.M. Thursday, 20th November, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	WSW. 15-25	Moderate	Fair to dull, local showers.	Good	Mod.
2. E. England	SW. 10-15	"	Fair to dull, local rain.	Var.	Slight
3. E. Midlands	SW-W. 10	"	Fair to dull.	Fair.	-
4. W. Midlands	W. 10-20	"	Fair to dull.	"	-
5. S.W. England	W. 20-35	"	Fair or cloudy.	Good	Rough
6. South Wales	W. 15-20	R. cold	Cloudy, squally, some showers.	"	R. rough
7. North Wales	W. 20-35	"	Cloudy, squally.	"	Rough
8. N.W. England	W. 30-35	"	Fair to dull, squally.	Fair	"
9. N. Midlands	W. 10-20	"	Fair or cloudy.	"	-
10. N.E. England	W. 15-28	"	Cloudy, local showers & mist.	"	Mod.
11. E. Scotland	SW. 5-15	Cold	Fine to cloudy.	Good	Smooth
12. S.W. Scotland	W. 15-28	R. cold	Fair to dull, local snow or drizzle.	"	Mod.
13. Isle of Man	Wly. 20-30	Moderate	Fair to dull, squally.	"	Rough
14. N. & N.W. Scotland	W-NW. 5-15	Cold	Dull, local snow showers and mist.	Poor	Slight
15. Hebrides	NW. 25-30	R. cold	Fair to dull, hail or snow showers.	-	R. rough
16. Orkneys and Shetlands	SW. 5-10	Cold	Dull, local mist.	-	Smooth
17. N.W. Ireland	W. 30-35	Moderate	Cloudy, squally.	Good	High
18. N.E. Ireland	SW-W. 20-35	"	Fair or cloudy, showers, squalls.	-	Rough
19. S.E. Ireland	S-SW. 10	R. cold	Fair or cloudy.	Var.	Mod.
20. S.W. Ireland	W-NW. 10-20	"	Fine to cloudy, hail showers.	V. good	"

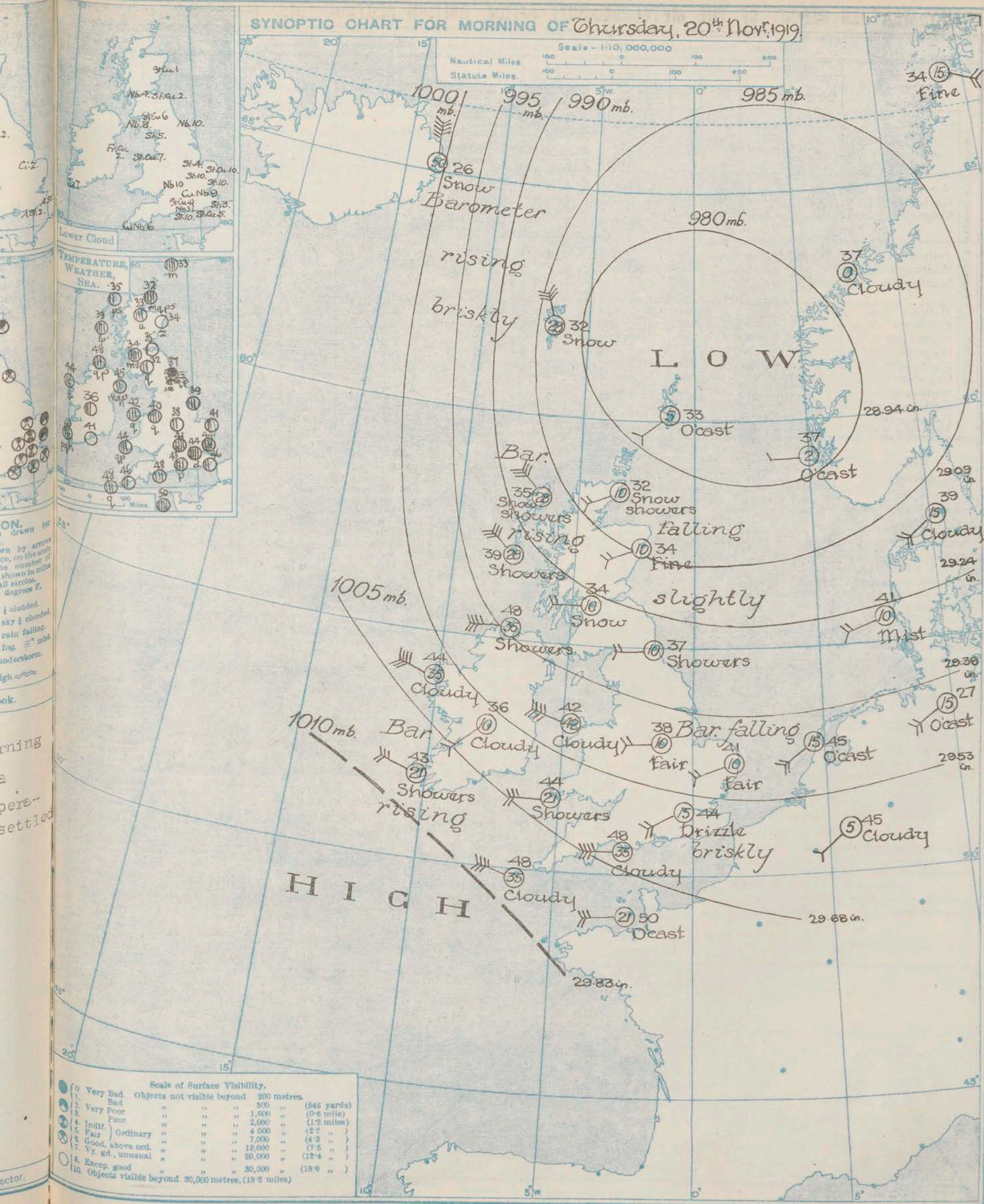
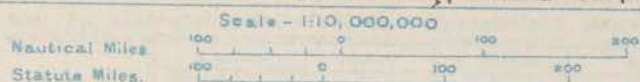
GENERAL INFERENCE from observations received up to 9 a.m.

A large depression centred off the north of Scotland appears to be moving east-south-eastward. Colder weather with some showers of rain, hail or sleet is probable, accompanied by W. to NW. or N. winds.

EXPLANATION.
BAROMETER.—Isobars are drawn for intervals of five millibars.
WIND.—Direction is shown by arrow 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 & clouded.
 ○ sky & clouded. ○ sky & clouded.
 ○ overcast sky. ● rain falling.
 * snow. ▲ hail. ≡ fog. ≡ mist.
 T thunder. F thunderstorm.
SEA DISTURBANCE.
 Rough High

Districts.	Forecasts for the 24 hours commencing 3 p.m. Thursday, 20th November, 1919	Farther Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind between W. and N. fresh or strong, then moderating. Variable sky, some showers of rain, hail or sleet. Colder.	Wind returning to W. with a rise of temperature and unsettled weather.
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland	Wind between W. and N. moderate to rather strong. Changeable, showers of rain, hail or snow. Cold.	
19. S.E. Ireland 20. S.W. Ireland	Wind between W. and N. moderate or fresh. Changeable, some showers, rain or hail. Cold.	

SYNOPTIC CHART FOR MORNING OF Thursday, 20th Nov. 1919.



Scale of Surface Visibility.					
	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.	Vy. gd., unusual	"	20,000	"	(12.4 "
8.	Except. good	"	30,000	"	(18.6 "
10.	Objects visible beyond	30,000 metres, (18.6 miles)			

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 1919

STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.		STATIONS.	WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	
	Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-19h.	Day. 9h-17h.	to 17h.	Sunrise to Sunset.		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-19h.	Day. 9h-17h.	to 17h.	Sunrise to Sunset.
Scotland.									Douglas (I.O.M.)								
Oban	br	o.c.p	48	43	8	3		0.8	Blackpool	o	c	51	45	-	-		1.2
Banff	bc	bc	46	37	-	-		3.6	Southport	o.c.o	bc.c.b	49	44	0.7	-		1.0
Montrose																	
St. Andrews ...	p	p	46	35	3	1		1.8									
England, N.E.									England, N.W.								
Scarborough ...	*	*	52	47	1	1		0.5	Buxton								
Harrogate	op	bc.or	48	40	-	2		1.3	Leamington Spa...	o	c.b	54	40	1	-		0.2
Skegness	o	o.b.bc	48	37	1	1		0.0	Malvern								
									Ross-on-Wye ...	cr	bc	55	44	1	0.3		0.3
England, E.									Wales.								
Felixstowe	odmg.	bcmbq	52	40	1	4		0.0	Rhyl	c	bc.p	53	44	-	1		1.1
Walton-on-Naze...									Colwyn Bay ...	*	*	51	46	-	2		1.7
Southend-on-Sea...	or	or.o	52	39	1	1		0.0	Llandudno	o	cp	52	45	0.2	1		0.6
									Aberystwyth ...	or.c	bc.o	48	46	*	*		0.7
England, S.E.									England, S.W.								
Margate	or.d	og	54	40	2	2		0.0	Weymouth	or.od	o	54	47	4	1		0.0
Ramsgate	*	*	52	37	1	3		0.0	Teignmouth ...								
Folkestone	r.d	od om	51	40	2	4		0.0	Torquay	or.o	o.c.bc	54	47	3	0.3		0.3
Hastings									Paignton	or	orq.bc	54	42	4	2		0.0
Eastbourne	or	or.c.bc	52	43	3	7		0.0	Penzance	or.od	o.c	54	48	9	1		0.0
Brighton	or	o.c	51	43	2	4		0.0	Newquay	or.o	c.bc	52	48	7	1		0.1
Worthing	r	r.c	50	40	4	3		0.0	Bude	od or	o	53	47	12	0.4		0.0
Littlehampton ...	rq	bc.m	49	40	4	1		0.0	Ilfracombe	od	o.c.bc.c	53	48	9	1		0.0
Bournemouth ...	*	*	53	43	4	0		0.0	Weston-s-Mare ...	cr	c.bc	52	45	6	1		0.0
Tunbridge Wells ...	od.or	od.o.c.b	52	38	1	2		0.0									

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.				Max. Temp. °F.	Min. Temp. °F.	Min. on Grass °F.	RAINFALL.		Sun. Hours.
	7h-18h/19	18h-18h/19	18h-19h/20	1h-7h/20				Day. 7h-18h.	Night. 18h-7h.	
†Houton Bay (Orkney)...	om.pq.c	opqrs	ca.p.cq.c	ca.osbc	45	32	28	5	6	0.3
†Eskdalemuir	ca.pq	cp		c.o	50	35	*	*	*	*
†Stranraer							*	*	*	*
†Lough Foyle							*	*	*	*
Valencia (Cahirveen) ...	o.c.p.	cp		c.c.pqrh	52	43	40	1	2	3.0
†Anglesey (Llangefni) ...	c.dp	rq	ca.oq	oq	50	48	*	*	*	*
Falmouth	rsq	oq.bc.p	b.bc.p	bc.p.	53	43	40	4	2	0.4
†Calshot (Hants)	r	d	o	b.c.c	54	45	*	*	*	*
†Capel (Folkestone)...	or.p.rhd	ops	b.bc.p	co.pd.	*	*	*	*	*	*
Aberdeen	bc.pz	bc.bc.b		bz	45	34	29	-	-	3.6
†East Fortune		q.p		pr.s.q	46	32	*	*	*	*
†Flamborough Head ...	oq.m	bc.pz				*	*	*	*	*
†Felixstowe	p.z	p	b.bc.of	co	52	42	*	*	*	*
†Cranwell (Lines)	cp	o.b.bc	bc.c	b.c.c	50	37	*	*	*	*
†Bedford	c.o.p.dq	o.p.o.pq	b.pq.b.pq	b.b.c.m	54	40	*	*	*	*
Benson	bc	bc		b.or	53	41	37	1	3	*
London (Kew Obsy.) ...	or.om.om	o.c.bc.b	b.bc.p.or		53	44	39	2	0.1	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. 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 0.8
1	1-8	0.8-1.5
2	4-7	1.6-3.8
3	8-12	5.4-5.4
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.

SYMBOLS—

Aurora ☄ Solar halo ☄
 Rime ☄ Lunar halo ☄
 Glazed frost ☄ Solar corona ☄
 Glazed roads ☄ Lunar corona ☄

LONDON OBSERVATIONS.

LONDON. OBSERVATIONS.	WEATHER.			Max. Temp.	Min. Temp.	Min. on Grass.	Rain fall.	shine to Sunset.	Humidity %	
	Morning	Afternoon.	Night.	° F.	° F.	° F.	mm.	Hours.	15 h. G.M.T.	9 h. G.M.T.
	24 HOURS ENDED 9h G.M.T. ... 20'							YESTERDAY.	TO-DAY.	
Greenwich (Royal Observatory)	or	b.c.b	c.or	54	43	37	2	0.0	88	80
City (Bunhill Row) ...	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James's Park)	*	*	*	55	44	38	2	0.0	92	77
" (Admiralty Arch)	or.mq	omq.om	bcq.orq	54	45	*	2	0.0	91	88
Camden Sq. (British Rainfall)	or.o	oro	*	53	42	38	3	0.0	96	92
Kensington Palace ...	od.o	b.bc	*	56	43	39	2	*	85	89

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	99	Joules.
Average Rate.	3.2	Milliwatts.
Maximum Rate.	5	

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

Stations.	20. 21. Nov. 1919.		
	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth...	7.24	11.39	3.54
	7.26	11.39	3.52
Greenwich	7.28	11.46	4.4
	7.29	11.46	4.3
Wick	8.14	11.58	3.42
	8.16	11.58	3.40
Valencia ...	8.11	12.27	4.43
	8.12	12.27	4.42

NOTES ON THE WEATHER OF YESTERDAY.

Temperature rose to a little above 50° generally in England and Ireland, but remained below 50° in Scotland. Rain fell very generally; at some northern stations hail, sleet or snow were experienced. At Leith the measurement was 22 mm. and at Glasgow 19 mm. Bright sunshine records were low generally. Over a large portion of England the day was sunless; the highest values were 3 hours at Valencia and 3.6 hours at Aberdeen and Banff.

† Air Ministry Station.

* Information for these columns not usually received.



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

No. 21183.B FRIDAY 21st NOVEMBER 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.																												
STATIONS	BAROM.	†	WIND.		Weather.	TEMP.	Humidity.	Visibility.	Height of Low Cloud.	Low Cloud.		Upper Cloud.		Sea.	BAROM.	†	WIND.		Weather.	TEMP.	Humidity.	Visibility.	Height of Low Cloud.	Low Cloud.		Upper Cloud.		Sea.
	at M.S.L.	Change in 3 hours.	Direc.	Force 0-12.		°F.				Form.	Amt. 0-10.	Form.	Amt. 0-10.		at M.S.L.	Change in 3 hours.	Direc.	Force 0-12.		°F.				Form.	Amt. 0-10.	Form.	Amt. 0-10.	
	m.b.														m.b.													
13H. G.M.T. 20 th														18H. G.M.T. OF 20 th														
†Houton B. (Orkney)	992.4	+1	WNW	6	bq	36	75	7	-	F.Cu	1	CiS	1	*	995.8	+5	WNW	6	q	33	87	6	-	Nb	1	-	-	*
†Eskdalemuir	994.9	+2	NNE	6	cq	38	98	3	2-3000	Sr	5	Ci	2	*	1000.3	+3	NNW	7	r	40	98	-	12-2000	Nb	10	-	-	*
†Stranraer	1012.3	+1	NW	6	bc	47	65	8	2-3000	Cu	5	-	-	5	1015.8	+5	NW	5	b	47	65	8	2-3000	Cu	3	-	-	5
†Lough Foyle	1000.2	0	NW	7	c	42	75	7	2-3000	S.Cu	7	-	-	2	1003.7	+4	NNW	7	b	39	87	-	2-1000	St.Cu	3	-	-	6
†Valencia (Cahire'n)	1009.4	+1	WNW	6	bcq	48	65	7	-	CuN	5	-	-	*	1012.6	+4	NW	6	bcq	41	82	5	-	Cu.Nb	4	-	-	*
†Anglesey (Llangefni)	1003.6	+1	N	3	c	47	55	7	4-5000	Cu	A	A.Cu	3	5	1005.9	+3	NW	4	b	42	75	6	-	-	-	-	-	4
†Falmouth	999.4	-1	WNW	7	bcp	42	75	8	12-2000	CuN	A	-	-	5	1001.8	+3	WNW	7	b	39	75	8	-	-	-	-	-	5
†Calshot (Hants)	985.2	0	WNW	6	ostpq	38	82	7	-	CuN	9	-	-	3	980.8	+6	WNW	6	S	35	92	6	-	Cu.Nb	5	-	-	3
†Capel (Folkestone)	989.5	+1	WNW	6	bc	40	75	6	12-2000	S.Cu	1	Ci.C	4	*	994.1	+6	WNW	5	bc	36	82	-	2-3000	St	2	-	-	*
Aberdeen	991.3	-4	WNW	6	c	41	75	8	4-5000	S.Cu	4	Ci.S	4	*	993.7	+2	WNW	6	b	36	82	8	-	-	-	A.St	2	*
†East Fortune	998.6	-3	NW	5	c	44	82	6	2-1000	F.Cu	6	-	-	5	1001.1	+2	WNW	5	bc	41	92	4	12-2000	St.Cu	4	-	-	2
†Falmouth Hd.	999.4	0	W	5	c	43	82	7	12-2000	Sr	4	A.Sr	2	*	999.1	+2	W	4	b	34	92	5	2-3000	St	3	-	-	*
†Felixstowe	999.3	0	NW	3	bc	39	82	6	1-1500	Sr	4	-	-	*	1001.2	+2	W	4	rh.q	40	75	2	1-1500	St	10	-	-	*
†Cranwell (Lines)	1000.0	0	W	5	bc	45	85	-	-	-	-	-	-	*	1002.8	+2	W	4	b	40	75	0	-	-	-	-	-	*
†Bedford	1000.2	0	WNW	4	b	48	55	7	2-4000	Cu	3	-	-	*	1002.8	+5	W	4	b	41	65	6	-	-	-	A.Cu	1	*
Benson	1000.2	0	WNW	4	b	48	55	7	2-4000	Cu	3	-	-	*	1002.8	+5	W	4	b	41	65	6	-	-	-	A.Cu	1	*
London (Kew Ob.)	1000.2	0	WNW	4	b	48	55	7	2-4000	Cu	3	-	-	*	1002.8	+5	W	4	b	41	65	6	-	-	-	A.Cu	1	*
1H. G.M.T. OF 21 st														7H. G.M.T. OF 21 st														
†Houton B. (Orkney)	1002.8	+3	WNW	6	bq	33	82	6	-	-	-	-	-	*	1005.6	+3	W	3	bc	33	97	8	-	S.Cu	6	-	-	*
†Eskdalemuir	1003.2	+3	NNW	5	bc	38	98	-	2-3000	St	5	-	-	*	1005.0	+1	NNW	4	bc	39	98	4	2-3000	Sr	5	-	-	*
†Stranraer	1014.6	-2	W	6	oms	47	*	*	*	*	*	*	*	*	1016.4	+1	WNW	4	orp	50	82	5	-	Cu	10	-	-	0
†Lough Foyle	1008.5	+4	NNW	4	bc	41	82	-	1-1500	St.Cu	5	-	-	7	1012.3	-4	WNW	7	bcq	49	87	6	-	CuN	3	A.Cu	3	*
†Valencia (Cahire'n)	1015.2	+2	NW	5	bcq	44	65	5	-	St	6	-	-	*	1011.7	0	SW	2	bc	38	82	4	-	-	-	A.Cu	3	3
†Anglesey (Llangefni)	1005.9	+4	WNW	7	b	35	82	8	-	-	-	-	-	7	1008.6	+3	WNW	6	b	35	92	7	4-5000	S.Cu	3	-	-	5
†Falmouth	998.4	+2	WNW	7	b	35	82	8	-	-	-	-	-	7	998.4	+2	WNW	7	orsq	37	75	5	-	CuN	10	-	-	4
†Calshot (Hants)	1000.2	+6	WNW	4	b	36	82	-	-	-	-	-	-	*	1002.3	+4	WNW	4	b	36	75	5	-	-	-	-	-	*
†Capel (Folkestone)	1000.2	+6	WNW	4	b	36	82	-	-	-	-	-	-	*	1002.3	+4	WNW	4	b	36	75	5	-	-	-	-	-	*
Aberdeen	1004.4	+5	W	3	b	35	82	6	2-3000	St	1	-	-	*	1007.6	?	WNW	5	bc	38	92	4	2-3000	S.Cu	2	A.Cu	1	4
†East Fortune	1004.4	+5	W	3	b	35	82	6	2-3000	St	1	-	-	*	1006.3	+2	WSW	2	b	34	92	5	2-3000	Sr	3	-	-	*
†Falmouth Hd.	1019.5	+4	WNW	5	bq	37	82	4	2-3000	St	3	-	-	*	1007.7	+2	W	2	c	35	87	4	5-7000	S.Cu	5	-	-	*
†Felixstowe	1005.8	+4	*	*	*	*	*	*	*	*	*	*	*	*	1008.7	+2	WSW	4	b	36	92	6	-	Sr	3	-	-	*
†Cranwell (Lines)	1005.8	+4	*	*	*	*	*	*	*	*	*	*	*	*	1009.2	+2	SW	2	bx	35	92	4	2-3000	S.Cu	2	-	-	*
†Bedford	1005.8	+4	*	*	*	*	*	*	*	*	*	*	*	*	1009.2	+2	SW	2	bx	35	92	4	2-3000	S.Cu	2	-	-	*
Benson	1005.8	+4	*	*	*	*	*	*	*	*	*	*	*	*	1009.2	+2	SW	2	bx	35	92	4	2-3000	S.Cu	2	-	-	*
London (Kew Ob.)	1005.8	+4	*	*	*	*	*	*	*	*	*	*	*	*	1009.2	+2	SW	2	bx	35	92	4	2-3000	S.Cu	2	-	-	*
(M.O. at 1h.)	1005.8	+4	*	*	*	*	*	*	*	*	*	*	*	*	1009.2	+2	SW	2	bx	35	92	4	2-3000	S.Cu	2	-	-	*
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.																												
STATIONS.	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Direc. of Upper Cloud.	Weather.	Sea.	Rainfall mm.	TEMP.		WEATHER.			Sunshine Hours.							
	at M.S.L.	°F.	Direc.	Force 0-12.		at M.S.L.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Direc.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.								
	m.b.	°F.				m.b.																						
18H. G.M.T. OF 20 th														7H. G.M.T. OF 21 st														
Lerwick	985.6	35	WNW	2	cm	994.4	0	40	+7	NNW	7	-	omr	5	7	40	32	oms	cm	rh.p	*	*						
Stornoway	996.8	37	NNW	6	cpq	1005.1	+5	37	+2	NNW	5	-	c	4	7	39	33	cpq	cpq	c	*	*						
Castlebay (Bacra's)	1001.5	42	NW	5	bcp	1008.0	+4	42	+3	N	4	-	o	4	3	42	35	h.bch	bch.b	bch.p	1.0	*						
Glasgow	998.0	35	WNW	5	b	1005.0	+1	35	+1	WSW	3	-	b	2	38	32	S.bcp	bcpq	bx	3.3	*							
Malin Head	1002.2	43	W	7	cq	1007.3	+2	45	-3	W	5	W	cq	5	37	50	+3	cpqh	cpqh	c	2.3	*						
Blackod Point	1010.6	45	NW	3	cp	1012.6	+1	45	+1	-	0	-	cm	5	46	38	-	bc	bcp	cm	*	*						
Roche's Point	1012.7	42	W	4	b	1014.8	+3	46	+5	W	2	-	o	2	47	40	-	bcpq	b.b.b	oop	*	*						
Birr Castle	1010.3	38	W	1	b	1012.8	*	39	+3	W	1	W	c	*	0.4	43	36	cp	c.b.b	bcc	4.7	*						
Donaghadee	1003.3	39	WNW	5	bcq	1008.9	+1	38	-7	NNW	4	-	bemq	4	4	42	39	bcq	bcq	cpq	*	*						
Liverpool (Bidston)	1006.8	47	WNW	7	o	1006.7	+2	39	-2	WNW	4	W	ogp	4	2	43	37	a.bcp	opq	cpq	2.7	*						
Holyhead	1003.9	43	NW	8	cq	1009.3	+1	44	+2	NNW	5	-	cq	5	1	44	39	cp.cq	cpq	cq	4.0	*						
Pembroke (St. Ann's Head)	1008.7	45	NW	6	bcq	1012.2	0	44	0	NW	4	-	c	5	1													

SUMMARY OF CONDITIONS AT 7 A.M. Friday, 21st November, 1919

Districts.	Wind Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Wly. 5-15	Cold	Fair or fine.	Good	Mod.
2. E. England	W-NW. 10-20	R. cold	Fair or fine.	Ord.	Slight
3. E. Midlands	SW-W. 10-15	"	Fine to cloudy.	"	-
4. W. Midlands	W-NW. 10-15	"	Fine to cloudy.	"	-
5. S.W. England	WNW. 20-35	Mod.	Fair to dull, squally.	Good	Rough
6. South Wales	NW. 15	R. cold	Cloudy.	Fair	R. rough
7. North Wales	VNW. 15-20	Mod.	Cloudy, squally.	"	"
8. N.W. England	W-NW. 15-25	R. cold	Fair to dull, local showers.	Good	Mod.
9. N. Midlands	W-NW. 10-15	"	Variable cloud.	Ord.	-
10. N.E. England	W-NW. 15-25	Cold	Fine, local mist and squalls.	Good	R. rough
11. E. Scotland	W-NW. 10-20	R. cold	Variable sky, sleet and squalls at Aberdeen.	Fair	Mod.
12. S.W. Scotland	W-NW. 10	"	Fair or fine.	Good	"
13. Isle of Man	NW. 15-20	Mod.	Fair or cloudy.	Fair	"
14. N. & N.W. Scotland	NW. 10-20	R. cold	Variable sky, local mist.	-	"
15. Hebrides	NW-N. 15-20	"	Cloudy or dull.	-	"
16. Orkneys and Shetlands	WNW. 35	Med.	Dull, local mist and rain.	-	R. rough
17. N.W. Ireland	W. 0-5	"	Dull, local mist.	Poor	"
18. N.E. Ireland	W-NW. 15-20	"	Fair or cloudy, squally.	Ord.	"
19. S.E. Ireland	SW-W. 2-10	"	Cloudy.	"	Smooth
20. S.W. Ireland	W. 5-15	"	Dull, local showers.	Fair	Slight

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

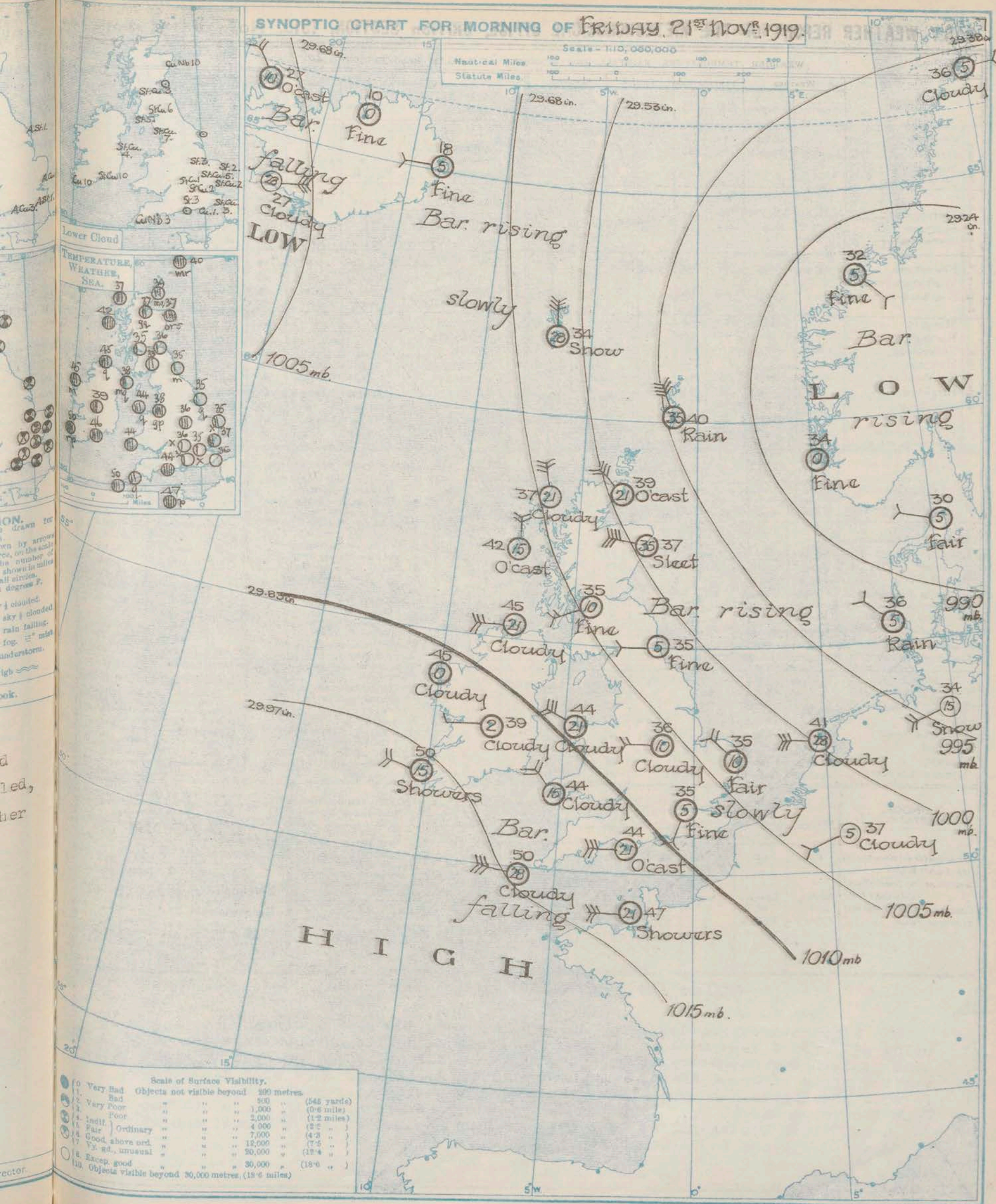
Slight local irregularities in barometrical pressure will cause showers in places over the British Isles today. A large depression centred to the south-westward of Iceland will probably move eastward later and cause the wind to return to W. or SW. generally, with an increase of temperature.

EXPLANATION.
BAROMETER.—Isobars are drawn for intervals of five millibars.
WIND.—Direction is shown by arrow 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 & clouded.
 ⊙ sky & clouded. ⊙ sky & clouded
 ⊖ overcast sky. ⊖ rain falling.
 * snow. Δ hail. ≡ fog. ≡ mist.
 T thunder. T thunderstorm.
SEA DISTURBANCE.—
 Rough ~~~~~ High ~~~~~

Districts.	Forecasts for the 24 hours commencing 3 p.m. Friday, 21st November, 1919	Further Outlook.
1. S.E. England	Wind between W. and NW. backing later towards SW, moderate or light, stronger locally. Variable sky, some local showers of rain, hail or sleet. Rather cold, frost inland at night.	Wind be- tween W. and SW. Unsettled, milder weather
2. E. England		
3. E. Midlands		
4. W. Midlands		
5. S.W. England		
6. South Wales		
7. North Wales		
8. N.W. England		
9. N. Midlands		
10. N.E. England		
11. E. Scotland	Wind NW. backing to W. or SW. moderate. Changeable, some showers, snow in places. Temperature low. Frost at night.	
12. S.W. Scotland		
13. Isle of Man		
14. N. & N.W. Scot- land		
15. Hebrides		
16. Orkneys and Shetlands	Wind W. backing to SW. moderate or light. Cloudy, local showers. Cold, then milder.	
17. N.W. Ireland		
18. N.E. Ireland		
19. S.E. Ireland		
20. S.W. Ireland		

SYNOPTIC CHART FOR MORNING OF FRIDAY, 21ST NOV. 1919.

Scale - 1:110,000,000
Nautical Miles 100 200 300
Statute Miles 100 200 300





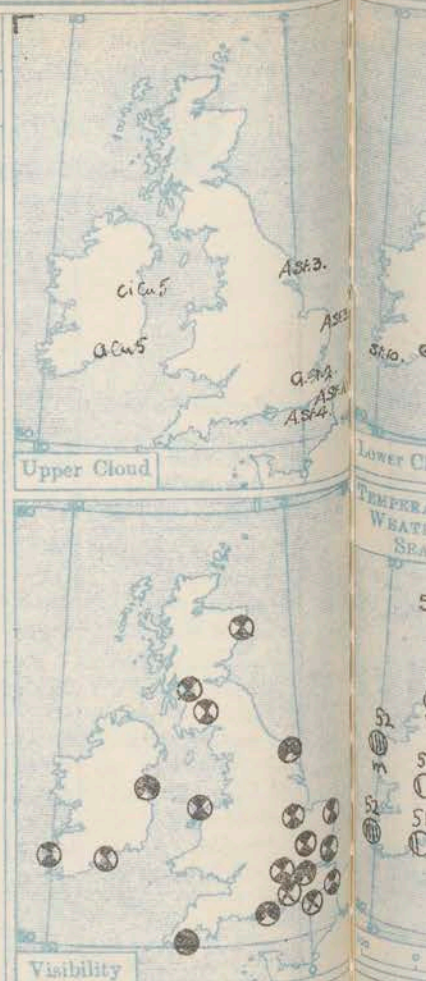
METEOROLOGICAL OFFICE, LONDON:
DAILY WEATHER REPORT, BRITISH SECTION.

No 21194-B SATURDAY.. 22nd NOVEMBER..... 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.		Weather	TEMP. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea	BAROM. at M.S.L. m.b.	Change in 3 hours.	WIND.		Weather	TEMP. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud.		Upper Cloud.		Sea			
			Dir.	Force 0-12.						Form.	Am.	Form.	Am.				Dir.	Force 0-12.						Form.	Am.	Form.	Am.				
			13h. G.M.T. of 21 st														18h. G.M.T. of 21 st														
†Houton B. (Orkney)	1006.8	+1	NW	6	b	37	65	6	-	-	-	Cl. 5	2	*	1010.8	+3	NNW	1	b	33	82	7	-	-	-	-	-	*			
Eskdalemuir ...	1003.0	+1	NW	3	c	43	87	5	1½-2000	St. Cu	4	A. Cu	4	*	1010.0	0	-	0	b	33	97	?	3-4000	St.	3	-	-	-	*		
†Stranraer ...	1014.1	-4	SSW	43	or	48	98	5	½-1000	St.	10	-	-	3	1011.1	-2	-	0	0	50	92	7	1-1500	St.	10	-	-	-	3	*	
Valencia (Cahire'n)	1011.1	+1	WNW	4	a	44	82	7	4-5000	Cu	4	Cu	5	6	1012.3	0	-	0	bc	40	92	3	4-5000	Cu	2	a. Cu	6	26	*		
†Anglesey (Llangefni)	1015.7	0	NW	3	0	44	75	6	-	St. Cu	10	-	-	*	1015.6	0	NNW	3	or	48	92	3	-	Nb	10	-	-	-	*		
Falmouth ...	1011.8	0	WNW	3	c	45	75	6	1½-2000	St.	7	-	-	3	1013.2	+3	NNW	2	0	41	92	6	1½-2000	St.	10	-	-	-	3	*	
†Calshot (Hants) ...	1008.5	-2	NW	6	bc2	42	92	5	-	-	-	A. St.	4	4	1011.2	+4	NW	4	b	37	97	4	-	-	-	-	-	-	3	*	
†Capel (Folkestone)	1003.9	+6	WNW	6	bc	39	75	8	-	Cu. Nb	1	-	-	4	1007.2	+4	NNW	4	b	37	75	7	-	-	-	-	-	-	4	*	
Aberdeen ...	?	+3	NW	3	bcv	42	65	7	3-4000	St. Cu	4	-	-	*	1009.2	+3	N	3	bc	36	75	?	2-3000	St.	3	-	-	-	-	*	
†East Fortune ...	1004.3	+1	NW	6	bc	42	65	7	4-5000	St. Cu	3	F. Cu	1	*	1007.9	+4	NNW	5	b	37	65	7	4-5000	St. Cu	2	a. St.	1	*			
†Falmouth Head ...	1008.0	0	NNW	5	bc	43	82	7	3-4000	Cu	5	-	-	4	1003.3	+4	NNW	4	bc	44	92	5	2-3000	St.	5	-	-	-	4	*	
†Felixstowe ...	1007.5	0	NW	5	b	43	75	7	2-3000	St.	2	A. St.	1	*	1010.9	+5	N	3	b	34	87	5	2-3000	St.	2	-	-	-	-	*	
†Cranwell (Lincs) ...	1009.1	0	W	3	bc	43	75	2	4-5000	Cu	7	-	-	*	1011.6	+4	N	2	bc	38	82	2	-	-	-	-	-	-	2	*	
†Bedford ...	1010.4	-1	NNW	3	c	44	75	8	*	*	*	*	*	*	1012.4	+3	NNW	2	b	38	82	7	-	St.	3	-	-	-	-	*	
Benson ...	1010.1	-1	NNW	4	b	45	65	7	2-3000	Cu	2	Cu. St.	1	*	1012.2	+3	NNW	2	b	40	75	?	-	-	-	-	-	-	-	*	
London (Kew Ob.)	1h. G.M.T. of 22 nd												7h. G.M.T. of 22 nd																		
†Houton B. (Orkney)	1009.7	-2	SW	2	b	32	82	6	-	-	-	-	-	*	1003.6	-4	NW	4	om	41	98	5	1500	St.	10	-	-	-	-	*	
Eskdalemuir ...	1007.4	-2	-	0	0	44	98	1	1½-2000	St.	10	-	-	*	1017.0	+2	SW	1	0	52	98	5	1500	St.	10	-	-	-	-	32	*
†Stranraer ...	1015.6	0	WSW	2	omd	51	*	*	*	*	*	*	*	*	1010.3	+2	W	4	0	48	98	5	½-1000	St. Cu	10	-	-	-	-	?	*
†Lough Foyle ...	1013.3	0	-	0	bc	37	92	-	3-4000	St. Cu	3	Cu	2	0	1015.2	+1	WNW	5	odg	50	98	1	-	Nb	9	-	-	-	-	*	
Valencia (Cahire'n)	1015.5	0	N	1	od	48	98	3	-	Nb	10	-	-	*	1014.6	0	SE	2	0	42	98	2	½-1000	St.	10	-	-	-	-	3	*
†Anglesey (Llangefni)	1014.8	+1	NW	2	b	34	87	4	-	-	-	-	-	3	1015.1	+1	WSW	3	0	39	82	4	-	-	-	-	-	-	3	*	
Falmouth ...	7h. G.M.T. of 22 nd												24 HOURS ENDED 7h. 22 nd																		
†Calshot (Hants) ...	1012.9	0	W	2	0	34	98	4	2-3000	St.	6	A. St.	4	*	998.6	-6	S	3	om	37	92	4	-	St.	10	-	-	-	-	3	*
†Capel (Folkestone)	1008.1	-3	SW	1	om	37	75	-	3-4000	St. Cu	9	-	-	*	101.0	-6	WSW	4	0	45	92	-	2-3000	St. Cu	9	-	-	-	-	-	*
Aberdeen ...	1012.9	0	W	2	0	34	98	4	2-3000	St.	6	A. St.	4	*	1007.2	-4	SSW	4	om	36	92	2	-	St.	7	A. St.	3	*			
†East Fortune ...	1013.7	+1	WSW	1	f	33	92	2	1½-2000	St.	3	-	-	*	1009.4	-2	SSW	4	0	38	98	4	2-3000	St.	10	-	-	-	-	2	*
†Falmouth Head ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1012.4	-2	SW	2	od	38	87	4	1-1500	St.	10	-	-	-	-	*	
†Felixstowe ...	1010.0	-1	SSW	4	0	38	98	5	-	St.	10	-	-	*	1010.0	-1	SSW	4	0	38	98	5	-	St.	10	-	-	-	-	*	
†Cranwell (Lincs) ...	1013.5	+1	*	*	0	*	*	*	*	*	*	*	*	*	1014.1	-1	SW	2	od	37	98	3	½-2000	St. Cu	8	A. St.	2	*			
†Bedford ...	STATIONS CONTRIBUTING REPORTS AT 7h AND 18h.																														
STATIONS.	BAROM. at M.S.L. m.b.	TEMP. °F.	WIND.		Weather.	BAROMETER.		TEMPERATURE.		WIND.		Dir. of Upper Cloud.	Weather.	Sea	Rainfall mm.	TEMP.		WEATHER.			Sunshine Hours.										
			Dir.	Force 0-12.		at M.S.L. m.b.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Dir.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.											
																						7h. G.M.T. of 22 nd									
Lerwick ...	1003.1	39	NW	3	cm	993.2	-7	39	-1	SSW	4	-	omr	2	3	41	36	omr	omr	omr	*										
Stornoway ...	1007.8	36	W	1	0	997.2	+1	48	+11	WNW	5	-	og	4	2	48	34	or	or	og	0.8										
Castlebay (Barra's)	1007.9	43	-	0	0	1002.3	+1	50	+8	W	4	-	0	4	1	51	39	ohp.o	o.c.o	op.o	1.0										
Glasgow ...	1010.5	36	WSW	2	b	1002.5	-4	49	+14	W	4	-	0	*	0.1	49	34	b.bc.c	c.bc.bf	bf.op	3.5										
Malin Head ...	1009.0	45	WSW	2	c	1004.7	+1	50	+5	S	4	-	om	3	-	55	40	c	c	om	1.9										
Blacksod Point ...	1008.9	48	W	2	f	1010.9	+2	52	+7	WSW	3	-	cm	3	1	52	42	odm	odm	or. om	*										
Roche's Point ...	1013.3	48	-	0	r	1014.9	+2	51	+5	WNW	3	NW	bc	2	3	51	46	or. om	odm	fd. bc	*										
Birr Castle ...	1011.4	35	W	1	0	1012.0	*	51	+12	W	1	-	b	*	0.2	51	38	cd	o	oe	0.0										
Donaghadee ...	1011.7	37	W	1	bcu	1007.5	+1	49	+11	-	0	-	0	0	-	49	36	bcu	cm	om	*										
Liverpool (Bidston)	1011.7	41	NW	4	bc	1008.0	-4	46	+8	SW	3	-	og	3	1	46	38	pg	bc	b.bc.o	1.4										
Holyhead ...	1011.8	45	WNW	4	bc	1010.3	+1	50	+6	W	4	-	bc	3	1	50	41	cq	c. bc	bc	0.3										
Pembroke (St. Ann's Head)	1013.9	47	W	1	ov	1012.6	-1	50	+6	SSW	2	S	bc	3	0.2	50	45	c. ov	ov	a. cd	0.3										
Scilly (St. Mary's)	1015.8	50	W	4	odm	1017.1	+2	50	0	WNW	5	-	0	6	2	52	46	cm	odm	o	0.1										
Jersey (St. Aubin)	1015.1	48	NW	3	0	1015.6	0	50	+3	SW	3	-	oe	3	8	50	43	p. or. b	b. bc. o	od. oe	1.1										
Portland Bill ...	1013.7	47	WNW	4	0	1013.9	+4	50	+6	WSW	1	-	od	3	Trace	50	42	o. c	bc	od	*										
Dungeness ...	1010.5	39	W	3	b	1014.3	0	42	+6	WSW	2	-	0	2	-	46	32	bc	c. b	b. bc. o	*										
Wick ...	1006.2	37	WSW	2	om	995.4	-6	42	+3	WNW	3	-	ompg	3	2	42	33	o. bcpg	om. cpd	ompg	*										
Nairn ...	1008.3	34	W	1	bc	997.8	*	46	+9	WNW	2	-	ou	2	0.3	46	33	bc	bc	bc. cgp	2.2										
Leith ...	1008.9	35	W	2	b	999.7	-2	47	+10	SW	4	-	0	2	0.1	48	34	b. bc. b	b	bcpg. o	*										
Tynemouth ...	1008.4	36	NW	2	bc	1003.2	-4	39	+4	WSW	2	-	om	2	Trace	41	33	bm	bcu	bcu. om. o	*										
South Head ...	1008.6	35	WNW	6	bcq	1009.0	-1	39	+4	WSW	4	-	od	5	Trace	42	35	bcq	bcq	bm. od	4.9										
Yarmouth (Gor. Islet)	1007.1	38	NW	4	bc	1012.3	0	34	-1	WSW	3	-	bcx	3	-	43	31	bcu	bc	bc. bcu	6.0										
Clacton-on-Sea	1009.5	40	WNW	4	b	1013.5	0	37	0	W	3	-	ogm	2	-	43	33	bc	bc. b	bm. c. og	6.5										
Nottingham	1010.7	40	W	2	b	1009.9	*																								

SUMMARY OF CONDITIONS AT 7 A.M. Saturday, 22nd November, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	SW. 5-15	R. cold	Dull, inland mist and drizzle.	Var.	Slight
2. E. England	SW 5-15	"	Dull, local mist and drizzle.	Ord.	Smooth
3. E. Midlands	SW. 2-10	"	Dull, local rain.	"	"
4. W. Midlands	SW-W. 2-10	"	Dull.	"	"
5. S.W. England	WNW. 10-20	Moderate	Dull, local drizzle.	Bad	R. rough
6. South Wales	SSW. 5	R. warm	Fair.	Ord.	Slight
7. North Wales	W. 15	"	Fair to dull.	Fair.	"
8. N.W. England	SW-W. 10-15	Moderate	Dull.	"	"
9. N. Midlands	SW. 2-10	R. cold	Dull, local rain.	Ord.	"
10. N.E. England	SW. 5-15	"	Dull, local mist and drizzle.	Poor	Slight
11. E. Scotland	S-SW. 5-15	Moderate	Dull, local mist.	Ord.	"
12. S.W. Scotland	W-NW. 15-20	R. warm.	Dull, local mist.	Fair	"
13. Isle of Man	W. 2-10	"	Dull.	"	"
14. N. & N.W. Scotland	WNW. 5-10	Moderate	Dull, local showers & mist.	"	"
15. Hebrides	WNW. 15-20	R. warm	Dull.	"	Mod.
16. Orkneys and Shetlands	SSW. 15	R. cold	Dull, local mist and rain.	"	Smooth
17. N.W. Ireland	WSW. 10	R. warm.	Cloudy, local mist.	"	Slight
18. N.E. Ireland	S-SW. 2-15	"	Dull, misty.	"	"
19. S.E. Ireland	SW-W. 5-15	Warm	Fine to cloudy.	Poor	"
20. S.W. Ireland	SW-W. 2-10	R. warm.	Fair to dull.	Good	Smooth



EXPLANATION.
BAROMETER.—Isobars are drawn for intervals of five millibars.
WIND.—Direction is shown by arrow 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 & clouds. sky & clouds. overcast sky. rain falling. snow. hail. fog. mist. thunder. thunderstorm.
SEA DISTURBANCE.—Rough. High.

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

Secondary depressions moving from west to east over the British Isles will maintain the weather in a generally unstable condition, with the wind from between SW. and NW.

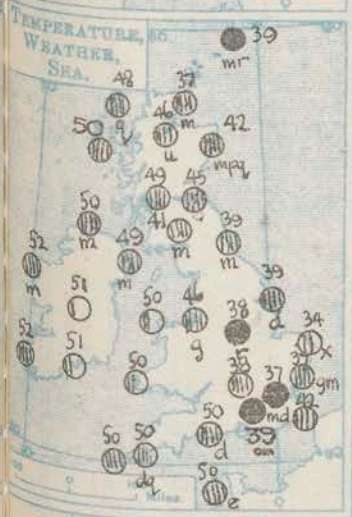
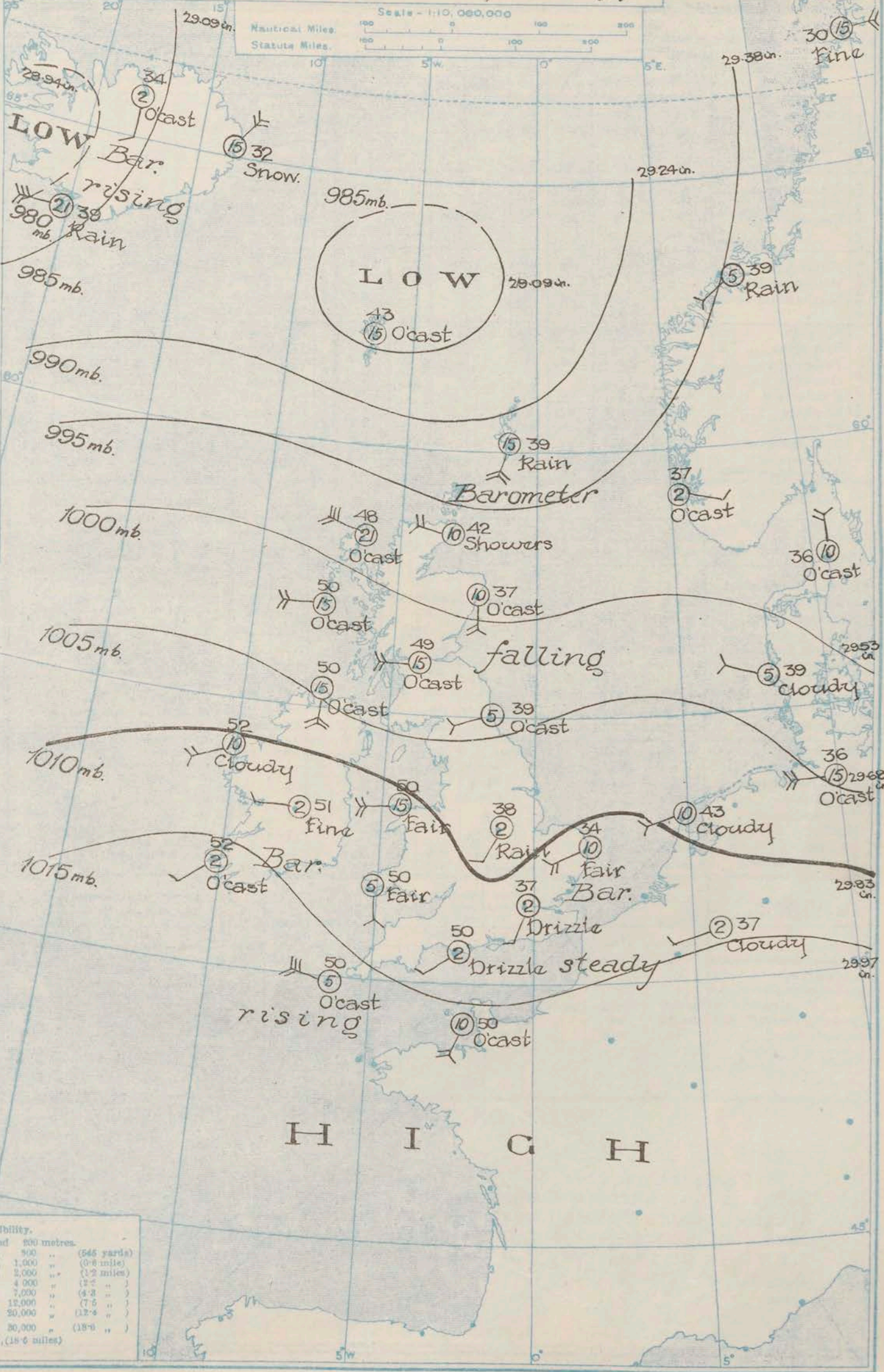
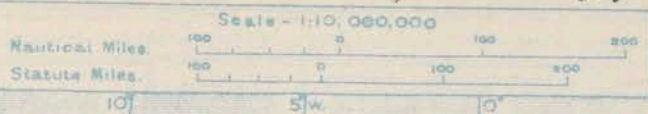
Districts. Forecasts for the 24 hours commencing 3 p.m. Saturday, 22nd November, 1919

1. S.E. England	
2. E. England	
3. E. Midlands	
4. W. Midlands	Wind between SW. and NW. light or moderate, stronger at times locally. Mainly cloudy or dull, some slight rain, fairer intervals.
5. S.W. England	
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	Moderate or mild temperature.
10. N.E. England	
11. E. Scotland	
12. S.W. Scotland	Wind W. or NW. backing to SW. later, light or moderate to fresh. Cloudy or dull, some rain or showers. Moderate or mild temperature.
13. Isle of Man	
14. N. & N.W. Scotland	
15. Hebrides	
16. Orkneys and Shetlands	
17. N.W. Ireland	
18. N.E. Ireland	Wind mainly between SW. and W. light to fresh, Cloudy or dull generally, some rain. Moderate or mild temperature.
19. S.E. Ireland	
20. S.W. Ireland	

Further Outlook.

The general situation will probably continue unsettled with winds between SW. and W. or NW.

SYNOPTIC CHART FOR MORNING OF Saturday, 22nd Nov 1919.



Scale of Surface Visibility.

Symbol	Description	Objects not visible beyond	metres	(yards)
0	Very Bad	"	500	(546 yards)
1	Bad	"	1,000	(1,093 yards)
2	Very Poor	"	2,000	(2,187 yards)
3	Poor	"	4,000	(4,374 yards)
4	Indist.	"	7,000	(7,656 yards)
5	Fair	"	12,000	(13,120 yards)
6	Good, above ord.	"	20,000	(21,871 yards)
7	vy. gd, unusual	"	30,000	(32,808 yards)
8	Escep. good	"	50,000	(54,680 yards)
9	Objects visible beyond	50,000 metres, (18.6 miles)		



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

No 21, 185B SUNDAY, 23RD NOVEMBER, 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1h, 7h, 13h AND 19h.																												
STATIONS	BAROM. at M.S.L. m.b.	Change in 3 hours.	WIND. Direc.	Force 0-12.	Weather	TEMP. °F.	% Humidity	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Amt. 0-10.	Upper Cloud. Form.	Amt. 0-10.	Sea 0-9.	BAROM. at M.S.L. m.b.	Change in 3 hours.	WIND. Direc.	Force 0-12.	Weather	TEMP. °F.	% Humidity	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Amt. 0-10.	Upper Cloud. Form.	Amt. 0-10.	Sea 0-9.
	13h. G.M.T. OF 22 ND														19h. G.M.T. OF 22 ND													
†Houton B. (Orkney)	1003.3	0	WNW	6	bcmg	49	75	5	-	Nb	2	A. Cu	2	*	1005.7	0	SW	4	omd	47	98	3	-	St	10	-	-	*
Eskdalemuir ...	1006.5	-1	WNW	4	d.	51	98	2	2-3000	Nb	10	-	-	*	1006.4	0	W	5	omd	52	98	-	1-2000	Nb	10	-	-	*
†Stranraer ...	1017.3	0	WSW	4	om.	53	98	3	<500	St	10	-	-	4	1018.3	+2	WSW	3	0	52	92	6	1-1000	St	10	-	-	4
Valencia (Cahire'n)	1011.5	0	W	2	0	50	92	5	1-2000	St	10	-	-	5	1011.3	+2	WSW	3	0	51	92	-	1-1500	St	10	-	-	6
†Anglesey (Llangefni)	1017.3	0	W	2	bc	50	75	5	-	St	3	A. St	2	*	1018.3	+1	W	4	0	53	98	5	-	Nb	10	-	-	*
Falmouth ...	1012.8	-3	WNW	3	0	52	87	3	3-4000	Cu	3	C. Cu	7	3	1013.9	+1	NW	4	bp	51	92	6	3-4000	Cu	1	C. Cu	3	3
†Calshot (Hants) ...	1014.2	0	SW	4	r. f.	35	-	-	-	Cu. Nb	8	A. St	1	-	1014.5	+1	W	4	of ₂	47	92	1	1-1000	St	10	-	-	3
†Capel (Folkestone)	1009.5	+2	WNW	5	0	49	55	7	-	St	2	C. St	5	3	1001.2	+1	SW	2	om.	47	65	5	-	St	10	-	-	3
Aberdeen ...	1001.6	?	W	5	0	50	75	4	2-3000	St. Cu	5	A. St	5	*	1003.4	+1	W	4	0	49	82	-	2-3000	St. Cu	9	-	-	*
†East Fortune ...	1004.8	-4	WSW	2	om.	43	92	2	1-1500	St	7	A. St	3	*	1006.7	+3	WSW	2	d.	46	92	4	1-1500	St	6	A. St	3	*
†Falmorough ...	1008.9	-1	WSW	3	0	42	92	6	2-3000	St	10	-	-	*	1011.0	+3	WNW	3	0	47	98	1	1-2000	Cu. Nb	10	-	-	3
†Felixstowe ...	1009.5	+1	WSW	3	om.	48	92	3	1-2000	St	10	-	-	*	1010.2	+2	W	3	0	49	92	5	1-2000	St	10	-	-	*
†Cranwell (Lincs)	1011.3	0	SSW	1	0	48	98	4	-	*	*	*	*	*	1012.4	+1	W	1	0	48	92	4	-	-	-	-	-	*
†Bedford ...	1011.7	-1	W	4	om.	48	98	4	2-3000	St. Cu	7	A. St	3	*	1012.6	+1	SW	2	b.	47	92	-	-	-	-	-	-	*
Benson ...	1h. G.M.T. OF 23 RD														7h. G.M.T. OF 23 RD													
London (Kew Obs.)	1003.6	0	W	6	odm	51	92	4	-	St	10	-	-	*	1001.0	-1	WSW	7	omr.	51	92	4	1-1500	Nb	10	-	-	*
†Houton B. (Orkney)	1005.3	0	WSW	6	0	46	98	-	?	St	10	-	-	*	1004.6	-1	SW	6	bc	53	98	-	1-2000	St	6	-	-	*
Eskdalemuir ...	1015.5	-2	WNW	4	otg	54	*	*	*	*	*	*	*	*	1012.9	-3	SW	5	0	55	92	4	1-500	St	10	-	-	0
†Stranraer ...	1020.1	+1	W	5	cd	51	92	4	-	Nb	8	-	-	*	1018.9	-1	WSW	6	0	53	92	5	-	St	10	-	-	*
†Lough Foyle ...	1016.4	+4	NW	1	0	53	92	5	2-3000	Cu	8	-	-	3	1015.7	0	NW	2	0	50	92	4	2-3000	Cu	5	C. Cu	5	3
Valencia (Cahire'n)	1013.3	0	NW	3	0	47	98	3	1-1500	St	10	-	-	3	1012.8	0	W	3	ov	48	92	8	1-1500	St. Cu	7	ast	3	3
†Anglesey (Llangefni)	1000.6	-2	W	5	c	53	87	-	2-3000	St. Cu	9	-	-	*	995.8	-1	SW	3	b.	49	87	7	-	St. Cu	1	-	-	2
Falmouth ...	1009.8	0	W	3	0	53	92	5	2-3000	St	10	-	-	*	997.9	-3	WSW	5	og	55	87	-	2-3000	St. Cu	9	-	-	*
†Calshot (Hants) ...	1011.3	0	WSW	2	od	51	92	3	1-1500	St	10	-	-	*	1012.0	0	W	3	0	50	92	5	1-2000	St. Cu	10	-	-	4
†Capel (Folkestone)	1011.7	0	*	*	*	*	*	*	*	*	*	*	*	*	1008.9	0	SW	2	a	51	92	6	2-3000	St	7	ast	3	*
Aberdeen ...	1011.3	0	WSW	2	od	51	92	3	1-1500	St	10	-	-	*	1011.3	0	SW	2	om	51	87	4	2-3000	St	10	-	-	*
†East Fortune ...	1012.4	-1	WSW	3	om	51	82	5	-	St. Cu	10	-	-	*	1012.4	-1	WSW	3	om	51	82	5	-	St. Cu	10	-	-	*
†Falmorough ...	1013.1	0	W	2	om	52	87	4	1-2000	St. Cu	6	ast	4	*	1013.1	0	W	2	om	52	87	4	1-2000	St. Cu	6	ast	4	*
†Felixstowe ...	STATIONS CONTRIBUTING REPORTS AT 7h AND 19h.																											
STATIONS.	BAROM. at M.S.L. m.b.	TEMP. °F.	WIND. Direc.	Force 0-12.	Weather	BAROMETER. at M.S.L. m.b.	TEMPERATURE. Temp. °F.	Change in 8 hours.	WIND. Direc.	Force 0-12.	Dirac. of Upper Cloud.	WEATHER	Sea 0-9.	Rainfall mm.	TEMP. Max. °F.	Min. °F.	WEATHER. Morning.	Afternoon.	Night.	Sunshine Hours.								
	19h. G.M.T. OF 22 ND														7h. G.M.T. OF 23 RD													
Lerwick ...	998.7	+5	WSW	3	om	988.6	-1	49	+10	WSW	5	-	omg	3	7	49	38	omp	cm	omr.	*							
Stornoway ...	998.8	47	W	4	odp	994.3	+5	47	-1	W	3	-	0	3	6	49	45	og	odp	op	0.0							
Castlebay (Ba. rals)	1001.1	51	W	3	r	997.7	0	50	0	WNW	4	-	0	4	4	51	48	or	r	ro	0.0							
Glasgow ...	1004.8	+8	WSW	2	odm	1000.2	+2	52	+3	WSW	5	-	og	3	3	52	47	om	a.c. odp	op. c. op	0.2							
Malin Head ...	1004.5	51	WSW	4	omd	999.1	-2	52	+2	WSW	5	W	0	4	1	52	48	omd	omd	om	0.0							
Blacksod Point ...	1010.9	52	W	4	ofa	1004.6	-4	52	0	WSW	3	-	om	3	1	53	49	ofa	ofa	omd. om	*							
Roche's Point...	1017.0	54	W	4	0	1010.9	-3	54	+3	W	3	-	0	3	1	59	50	ac. c	c. o	op. o	*							
Birr Castle ...	1012.7	53	W	2	0	1019.2	*	55	+4	W	4	-	0	*	1	55	50	om	om	odr.	0.0							
Donaghadee ...	1007.5	53	W	4	odmg	1007.2	-1	54	+5	SW	3	-	0	2	0.2	55	48	om	odmg	odmg	*							
Liverpool (Bidston)	1009.1	53	W	6	0	1007.8	-1	55	+9	W	6	W	0	5	-	55	46	0	og	og	0.0							
Holyhead ...	1010.8	53	SSW	4	omg	1009.0	-1	53	+3	WSW	4	-	0	3	0.1	55	49	bc. oem	o. c. om	o. c. o. c	0.1							
Pembroke (St. Ann's Head)	1017.0	52	W	3	0	1014.7	-1	52	+2	WSW	4	-	og	4	-	53	50	bc. c	c. o	bc. om	2.9							
Scilly (St. Mary's)	1018.0	54	WNW	6	f	1020.4	-1	52	+2	NW	5	-	3	6	1	54	47	o. cm	odf	omf	1.7							
Jersey (St. Aubin)	1018.0	52	W	5	b	1019.4	0	53	+3	WSW	5	-	0	3	1	54	49	ved. oe	oe. c. b	oe. doe	0.1							
Portland Bill ...	1014.6	53	W	4	c	1015.9	0	52	+2	WSW	4	-	0	4	0.1	54	48	odc	bc. o. o	c. o	*							
Dungeness ...	1011.6	48	WSW	3	c	1012.7	0	48	+6	WSW	3	W	bc	3	1	49	42	od	od. o. c	er. c	*							
Wick ...	997.8	44	WSW	2	0	991.1	-2	51	+9	NW	2	-	c	2	5	51	40	omp	om	omp	*							
Nairn ...	999.2	47	W	1	bc	992.4	*	53	+7	W	3	-	bc	2	0.1	53	45	cg	cg	bc. cpy	0.0							
Leith ...	1003.0	50	SW	4	0	997.7	-1	54	+7	WSW	5	-	0	3	0.2	55	47	c	o. c. o	o. c. d. g. o	*							
Tynemouth ...	1004.7	50	WNW	3	omr	1004.8	-2	55	+16	WSW	3	-	0	2	-	55	49	omr.	omr	om	*							
Spurn Head ...	1007.8	+6	WNW	4	odm	1006.5	0	48	+9	W	5	-	c	4	0.4	51	37	odm	odm	odm	0.0							
Yarmouth (For. Beacon)	1008.5	47	NW	3	0	1008.3	-1	52	+8	NW	3	-	bc	2	0.3	53	34	omd	om	bc. om	0.0							
Clacton on Sea ...	1010.7	48	W	3	c	1010.6	0	50	+13	W	3	-	c	2	2	53	36	ogmd	ogmd	og. mc	0.0							
Nottingham ...	1010.0	52	W	3	c	1009.2	0	53	+15	W	3	W	0	*	0.2	54	38	om	o. c	c. o	0.0							

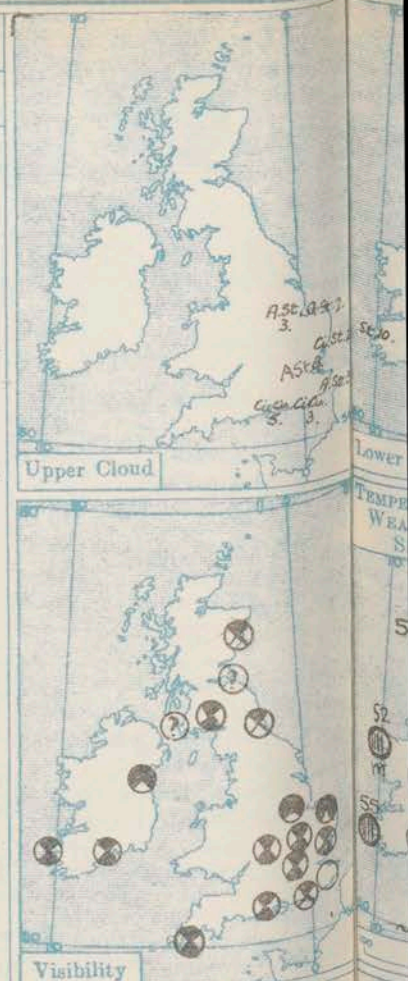
* Air Ministry Station.

* Information for these columns not usually received.

* The barometric change is expressed in half millibars. † Longitude 1° W.

SUMMARY OF CONDITIONS AT 7 A.M. Sunday, 23rd November, 1919.

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	SW-W 10-20	R. warm	Cloudy to dull; local	Var.	Slight
2. E. England	SW-NW 10-15	"	Fair to dull; local mist	"	"
3. E. Midlands	SW-W 10	Warm	Dull; misty	Ord.	-
4. W. Midlands	SW-W 10	"	Dull; local mist	Fair	-
5. S.W. England	SW-NW 20-30	R. warm	Dull; local mist & squalls	"	R. rough
6. South Wales	WSW 15-20	"	Dull; fog	Poor	Mod.
7. North Wales	SW-W 15-20	Warm	Dull; moist air	-	"
8. N.W. England	SW-W 20-25	"	Dull; local mist & drizzle	Good	R. rough
9. N. Midlands	W 10-15	"	Dull	-	-
10. N.E. England	SW-W 10-20	R. warm	Cloudy to dull	-	Slight
11. E. Scotland	SW-W 15-25	Warm	Fair to dull	Good	Smooth
12. S.W. Scotland	SW 25-30	"	Fair to dull; local rain & mist	Ord.	Mod.
13. Isle of Man	SW 15-20	"	Cloudy to dull	-	"
14. N. & N.W. Scotland	W-NW 5-10	"	Fair to cloudy	-	Slight
15. Hebrides	W-NW 10-15	R. warm	Dull; showers	-	Mod.
16. Orkneys and Shetlands	W-NW 15-25	"	Dull; local mist; squally	-	Slight
17. N.W. Ireland	W-SW 15-20	"	Dull; mist	-	Mod.
18. N.E. Ireland	W-SW 10-15	Warm	Dull; local mist & drizzle	-	Slight
19. S.E. Ireland	S-SW 10-15	"	Dull; local mist & rain	Fair	"
20. S.W. Ireland	W-SW 15-20	"	Dull	Poor	Mod.



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

The changes in the wind and barometer in Ireland point to the approach of another depression. This is likely to move Eastward across the British Isles and to cause some increase in the force of the South-westerly to Westerly wind, accompanied by occasional slight rain.

EXPLANATION.
BAROMETER.—Isobars are drawn for 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 & clouded.
 ⊙ sky & clouded. ⊙ sky & clouded.
 ⊕ overcast sky. ⊕ rain falling.
 * snow. ▲ hail. ≡ fog. ≡ mist.
 T thunder. R thunderstorm.
SEA DISTURBANCE.—
 Rough High

Districts.	Forecasts for the 24 hours commencing 3 p.m. Sunday, 23rd November, 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	Wind South-west to West, light to moderate or fresh, stronger at times locally. Cloudy or overcast, rain occasionally, mostly slight. Local fog on SW. and W. coasts. Temperature continuing above normal.	Similar conditions prevailing.
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland	Wind mainly South-west, veering later, light to fresh. Cloudy or overcast, some rain and mist. Mild.	
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind South-west to West, moderate to strong. Cloudy or overcast, rain at times. Mist locally.	

[illegible]

Scale of Surface Visibility.					
10	Very Bad	Objects not visible beyond	200 metres.		
9	Bad	"	500 "	(545 yards)	
8	Very Poor	"	1,000 "	(0.6 mile)	
7	Poor	"	2,000 "	(1.2 miles)	
6	Indist	"	4,000 "	(2.5 "	
5	Ordinary	"	7,000 "	(4.3 "	
4	Good, above ord.	"	12,000 "	(7.5 "	
3	Ex. gd., unusual	"	20,000 "	(12.5 "	
2	Excep. good	"	30,000 "	(18.6 "	
1	Objects visible beyond	30,000 metres,	(18.6 miles)		

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 327B

Sunday
23RD NOVEMBER

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 22 ND																			
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night, 12h-12h. 21 st	Day, 12h-12h. 22 nd	Sunrise to Sun- set. 22 nd	Forenoon.			Afternoon.	Max. ° F.	Min. ° F.	Night, 12h-12h. 21 st	Day, 12h-12h. 22 nd	Sunrise to Sun- set. 22 nd		
Scotland.	Oban	s	pc.c.or	51	32	-	5	0.0	England, N.W.	Douglas (I.O.M.)									
	Banff	c.c.bc	c	49	35	0.1	1	0.5		Blackpool									
	Montrose									Southport	c.o	oe.o	49	37	1	-		0.0	
	St. Andrews																		
England, N.E.	Harrogate	o	o	50	31	0.1	-	0.0	Midlands.	Buxton	bc.c	c	48	32	1	-		0.0	
	Skegness									Leamington Spa... ..	*	*	53	30	1	0.2		0.0	
										Malvern									
										Ross-on-Wye	bc.b	b	48	34	0.3	-		1.8	
England, E.	Felixstowe	ogm	ogm.d	47	34	-	1	0.0	Wales.	Rhyl									
	Walton-on-Naze... ..									Colwyn Bay									
	Southend-on-Sea... ..	or	or	48	32	0.1	1	0.0		Llandudno	o	o	54	42	0.1	-		0.0	
										Aberystwyth	r.o.c	c.o	49	47	*	*		0.0	
England, S.E.	Margate	o	or	50	35	-	1	0.0	England, S.W.	Weymouth									
	Ramsgate	*	o	47	37	-	0.2	0.0		Teignmouth									
	Folkestone	fe.om	fe.de	49	23	-	-	0.0		Torquay									
	Hastings									Paignton	bc	bc	58	43	trace	-		5.4	
	Eastbourne	or	r.o.c.bc	51	36	1	1	0.0		Penzance									
	Brighton									Newquay									
	Worthing	o	o	50	32	-	-	0.0		Bude									
	Littlehampton	*	dm.bom	50	46	-	-	0.1		Ilfracombe									
	Bournemouth	*	*	56	38	0.3	-	1.5		Weston-s-Mare									
	Tunbridge Wells	or	ore	49	31	1	1	0.0											

SUMMARIES FOR PAST 24 HOURS.													
STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUN.		BEAUFORT NOTATION.			
		7h-18h.	18h-12h.	12h-12h.	12h-7h.	Max. °F.	Min. °F.	Min. on Grass.	Sun. Hours.				
†Houton Bay (Orkney) ...		omg.bcng	om.ond	omd.cnd	omg.omt.	53	40	48	0.4	2	1.8	THE BEAUFORT SCALE OF WIND FORCE.	
†Eskdalemuir ...		o	d	cq.og	bc.cq	53	47	*	*	*	*		
†Stranraer ...													
†Lough Foyle ...		odm	o.c.o		opd.o	55	51	51	1	-	0.0		
Valencia (Cahiriveen) ...													
†Anglesey (Llangefni) ...		o	o									Suffices 0, 1 and 2 attached to Beaufort letters signify intensity, 0=slight, 2=heavy. Underlining is used to express continuity.	
Falmouth ...		c.bc	c.oe	od	c.odq	57	49	48	trace	1	3.1		
†Calshot (Hants) ...		o	b.bc	b.bc	bc.c	54	44	*	*	*	*		
†Capel (Folkestone) ...		d.p.	af.d	afdp	oe.	?	?	*	*	*	*		
Aberdeen ...		om.c	c.om	cm.bm		51	36	34	-	-	0.5		
†East Fortune ...		o3	c.o	cq.og	q.bc.c	55	46	*	*	*	*	SYMBOLS— Aurora ☄ Solar halo ☉ Rime ❄ Lunar halo ☾ Glazed frost ☁ Solar corona ☉ Glazed roads ☁ Lunar corona ☾	
†Flembarough Head ...		af.pd	om.g										
†Felixstowe ...		d	om.d		of2	53	36	*	*	*	*		
†Cranwell (Lines) ...		op	op	op	02	53	42	*	*	*	*		
†Bedford ...		c.o3.p	c.o.f	03	02	53	42	*	*	*	*		
Benson ...		o	bc			51	37	41	0.1	-	*	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.	
London (Kew Obs.) ...		omd.ondm	om.c.b	bc.c.o.		54	38	39	1	trace	0.0		

LONDON. OBSERVATIONS.	WEATHER.			Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass. ° F.	Rain- fall. mm.	Sun- shine to Sunset. Hours.	HUMIDITY %		SOUTH KENSINGTON (Meteorological Office).	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.			
	Morning	Afternoon.	Night.						15 h. G.M.T.	9 h. G.M.T.					
	24 HOURS ENDED 9h G.M.T. 23 RD								YESTERDAY.	TO-DAY.		23 RD 24 TH NOVEMBER 1919.			
	Vertical Component of Solar Radiation per Square Centimetre during yesterday.											Stations.	Sunrise.	Noon.	Sunset.
Greenwich (Royal Observatory)	od	od	od. om	53	42	41	1	0.0	88	82	Total Joules.	Yarmouth ... {	G.M.T.	G.M.T.	G.M.T.
City (Bunhill Row)	*	*	*	*	*	*	*	*	*	*			G.M.T.	G.M.T.	G.M.T.
Westminster (St. James's Park)	*	*	*	*	*	*	*	*	*	*			G.M.T.	G.M.T.	G.M.T.
" (Admiralty Arch)	odm	om.	ce. de.	54	44	*	0.3	0.0	94	88			G.M.T.	G.M.T.	G.M.T.
Camden Sq. (British Rainfall)	op.	o	*	48	44	42	1	0.0	92	86	Milliwatts.	Greenwich {	7.29	11.39	3.49
Kensington Palace	op	o.	*	54	40	43	1	*	85	84			7.31	11.40	3.46
													7.32	11.46	4.0
													7.34	11.47	3.59
												8.20	11.58	3.36	
												8.22	11.59	3.35	
												8.15	12.27	4.29	
												8.17	12.28	4.38	

NOTES ON THE WEATHER OF YESTERDAY.

Temperature rose to about 55° in many parts of Ireland and the SW. of England, the highest readings being 59° at Roches Point, 58° at Paignton, and 57° at Falmouth. In the E. and N. of the Kingdom the thermometer generally failed to rise above 50°. Rain fell at nearly all stations, but the amount was mostly very slight; Lerwick and Stornoway, however, registered over 5 mm. Very little bright sunshine was recorded except at some SW. stations, the highest sunshine was recorded except at some SW. stations, the highest value being 5.4 hrs. at Paignton. In most localities there was none.

† Air Ministry Station.

* Information for these columns not usually received.



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

No. 21,186 B

Monday, 24th November 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 12H AND 12H.																												
STATIONS.	BAROM. at M.S.L.	Change in 3 hours.	WIND. Direc.	Force 0-12.	Weather.	TEMP. °F.	HUMIDITY. %	VISIBILITY. 0-10.	Height of Low Cloud. Feet.	Low Cloud.	Upper Cloud.	Sea	BAROM. at M.S.L.	Change in 3 hours.	WIND. Direc.	Force 0-12.	Weather.	TEMP. °F.	HUMIDITY. %	VISIBILITY. 0-10.	Height of Low Cloud. Feet.	Low Cloud.	Upper Cloud.	Sea				
	m.b.									Form.	Amt. 0-10.	Form.	Amt. 0-10.	0-9.	m.b.							Form.	Amt. 0-10.	Form.	Amt. 0-10.	0-9.		
13H. G.M.T. OF 23 rd														18H. G.M.T. OF 23 rd														
†Houton B. (Orkney)	999.3	-1	WSW	7	oalm	52	92	5	1-1500	Nb	10	-	-	*	996.7	-5	5	5	oalm	51	92	4	1-1500	Nb	10	-	-	*
†Eskdalemuir ...	1001.9	-1	WSW	4	o	54	98	4	2-1000	St	10	-	-	*														
†Stranraer ...																												
†Lough Foyle ...																												
†Valencia (Cahire'n)	1009.2	-5	SW	6	oal	56	92	5	2-1000	St	10	-	-	5	1000.9	-4	SSW	7	o	56	87	6	1-2000	St	9	-	-	5
†Anglesey (Llangefni)	1008.1	-3	WSW	6	o	52	98	4	<500	St	10	-	-	5	1004.3	-6	WSW	6	o	52	98	0	<500	St	10	-	-	6
†Falmouth ...	1017.3	-2	WSW	4	ome	54	92	3	-	-	-	-	-	*	1015.4	-1	SW	7	oalm	53	92	0	-	Nb	10	-	-	*
†Calshot (Hants) ...	1014.5	-1	W	3	o	53	92	6	2-3000	St-Cu	10	-	-	4	1012.7	-1	W	3	o	52	92	6	2-4000	Cu	7	Cu	3	3
†Capel (Folkestone)	1013.1	0	W	6	o	54	87	6	1-1500	St	2	Cu	St	8	1014.0	0	WSW	3	o	45	98	0	<500	St	10	-	-	-
1H. G.M.T. OF 24 th														7H. G.M.T. OF 24 th														
†Houton B. (Orkney)	992.6	+9	NW	6	cp	38	92	6	-	St-Cu	7	-	-	*	992.3	+2	WSW	5	r	39	92	4	-	Nb	10	-	-	*
†Eskdalemuir ...															1000.0	+4	WNW	7	q	42	92	-	2-3000	St	2	-	-	*
†Stranraer ...																												
†Lough Foyle ...																												
†Valencia (Cahire'n)	1009.2	0	SW	8	omsp	46	*	*	*	*	*	*	*	*	1009.1	-3	SW	4	b	47	75	8	2-3000	F. Cu	3	-	-	0
†Anglesey (Llangefni)																												
†Falmouth ...	1012.8	-2	WNW	5	o	45	75	4	-	Cu-Nb	9	-	-	*	1003.2	0	W	3	b	43	92	6	-	-	-	-	-	*
†Calshot (Hants) ...															1012.9	+4	W	2	bc	44	92	6	2-4000	Cu	3	A. Cu	2	2
†Capel (Folkestone)	1008.7	-6	WNW	6	f	47	98	0	<500	Nb	10	-	-	*	1010.8	+7	W	2	v	42	92	8	-	-	-	A. St	2	3
1H. G.M.T. OF 24 th														7H. G.M.T. OF 24 th														
†Aberdeen ...															992.8	+2	WSW	3	b	38	75	7	-	St-Cu	1	-	-	2
†East Fortune ...	992.4	+9	NW	5	rq	38	98	-	1-2000	Nb	10	-	-	*	993.5	+10	W	5	b	42	87	7	-	-	-	A. St	1	*
†Falmouth ...															1009.5	0	W	4	b	44	92	3	2-3000	St	2	-	-	3
†Felixstowe ...															1006.0	+5	WSW	4	b	41	87	7	2-3000	St	1	A. St	1	*
†Cranwell (Lines)	996.9	-6	SW	9	o	55	75	6	2-3000	St	10	-	-	*	1008.2	+5	WSW	3	b	43	82	5	-	-	-	-	-	*
†Bedford ...	1000.9	-8	SW	5	bcg	45	87	3	1-1500	St	5	-	-	*	1009.5	+6	WSW	2	b	41	92	8	-	St-Cu	1	-	-	*
†Benson ...		*	*	*	*	*	*	*	*	*	*	*	*	*	1010.1	+8	W	3	b	44	87	5	-	-	-	-	-	*
†London (Kew Ob.)	1002.9	-7	*	*	bcg	*	*	*	*	*	*	*	*	*													*	
STATIONS CONTRIBUTING REPORTS AT 7H AND 12H.																												
STATIONS.	BAROM. at M.S.L.	TEMP. °F.	WIND. Direc.	Force 0-12.	Weather.	BAROMETER. at M.S.L.	TEMPERATURE. Temp. °F.	WIND. Direc.	Force 0-12.	Weather.	Sea 0-9.	RAINFALL mm.	TEMP. Max. °F.	TEMP. Min. °F.	WEATHER. Morning.	WEATHER. Afternoon.	WEATHER. Night.	Sunshine Hours.										
	m.b.	°F.	Direc.	Force 0-12.	Weather.	m.b.	Change in 3 hours.	Direc.	Force 0-12.	Weather.	Sea 0-9.	mm.	Max. °F.	Min. °F.	Morning.	Afternoon.	Night.	Hours.										
12H. G.M.T. OF 23 rd																			24 HOURS ENDED 7H. OF 24 th									
Lerwick ...	992.0	43	W	3	cm	987.1	-2	45	-4	WSW	1	-	om	1	3	49	36	omp g	cm	omp	*							
Stornoway ...	994.0	41	WSW	2	o	990.6	0	38	-9	W	3	-	or	2	5	47	36	o	o	or	0.0							
Castlebay (Barra Is)	995.1	43	W	2	op	993.7	0	43	-7	W	5	-	bc	4	4	50	40	op	op	rich. bc	0.0							
Glasgow ...	994.8	45	NW	1	oalm	997.5	0	40	-13	SW	3	-	cp	3	19	53	39	opg	opmu	or. o. cp	0.0							
Malin Head ...	991.4	45	NE	3	orm	996.4	+4	45	-7	W	5	-	c	4	21	52	40	adm	orm	c	0.0							
Blacksod Point ...	994.1	46	NW	5	or	1001.4	0	45	-7	W	4	-	om	4	22	52	40	odf	orm	orm	*							
Roche's Point ...	1004.7	53	SW	6	r	1009.9	0	44	-10	W	2	-	b	4	1	56	43	adm	adm	a. o. b	*							
Birr Castle ...	997.6	57	S	4	o	1006.4	*	42	-13	S	2	-	c	*	3	57	40	om	od	cp	0.0							
Donaghadee ...	997.4	54	SW	4	org	1001.3	0	41	-13	W	3	-	b	1	5	58	39	cg	od	cm	*							
Liverpool (B. Iston)	1003.2	54	SW	5	o	1004.6	+1	45	-10	WSW	4	-	b	6	-	59	43	c	o	bc. bq	1.7							
Holyhead ...	1002.4	52	SW	7	ogme	1004.8	0	46	-7	W	6	-	bg	5	1	55	44	a. c. b. o	ofg. me	op. d. cb	0.8							
Pembroke (St. Ann's Head)	1009.5	52	SW	5	om	1009.5	-1	49	-3	SW	4	-	bcg	6	0.4	54	48	ofg	omg	bcg	0.0							
Scilly (St. Mary's)	1015.6	53	WSW	5	om	1013.5	0	48	-4	W	3	-	b	5	1	53	48	of	ofe	a. c. b	0.0							
Jersey (St. Aubin)	1012.7	54	WSW	5	oalm	1014.4	0	50	-3	W	4	-	c	3	4	55	48	oe	adm	adm. c	0.0							
Portland Bill ...	1014.4	52	WSW	6	o	1012.0	+2	48	-4	WNW	4	-	b	5	1	54	47	of	c	bcg. b	*							
Dungeness ...						1009.8	+6	40	-2	WSW	3	-	b	3	0.4	52	44			f. od. cm	*							
Wick ...	994.4	42	WSW	2	bc	990.2	0	36	-15	SW	3	-	c	2	1	51	34	omp	omp	om. c	*							
Nairn ...	994.4	42	W	1	r	991.8	*	37	-16	-	0	-	pgo	1	8	53	35	bc. c	cpb	ag. op	0.3							
Leith ...	994.4	47	SW	1	r	995.5	+1	40	-14	SW	3	-	b	2	2.2	55	39	oe. o	oem. a	rm. q. r. l	*							
Tynemouth ...	998.5	55	W	2	om	998.4	*	43	-12	W	4	-	bcg	3	0.9	57	41	om	om	omp. bcg	*							
Spurn Head ...	1004.3	53	SW	4	o	1002.5	+9	44	-4	W	0	-	bg	5	-	54	41	c	om	a. c. g	*							
Yarmouth (Ger. Iston)	1007.6	55	W	4	c	1005.0	+6	45	-7	WNW	5	-	bcg	5	-	58	45	bcg	cg	bcg	2.1							
Clacton-on-Sea ...	1010.6	52	W	4	o	1008.3	+2	45	-5	W	4	-	bc	3	0.1	54	45	c. o. cm	c. om	a. c. g. bc	0.4							
Nottingham ...	1006.0	56	SW	3	o	1006.0	*	42	-11	W	2	-	b	*	1	58	41	op	a. c	op	0.2							

+ Air Ministry Station.

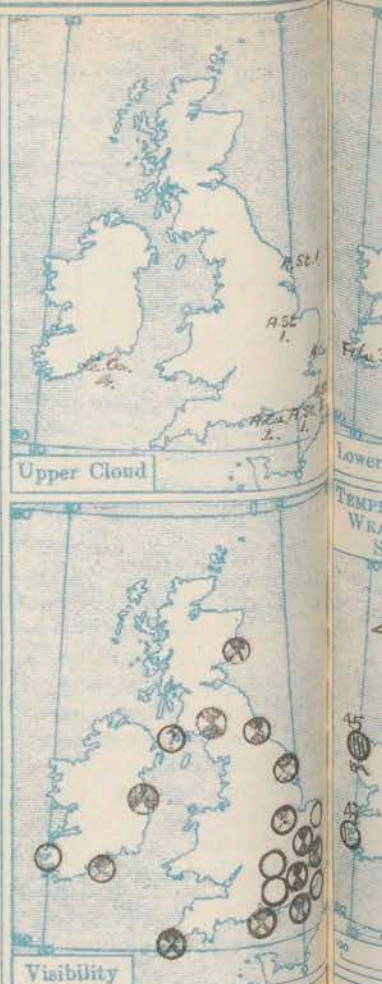
* Information for these columns not usually received.

‡ The barometric change is expressed in half millibars.

§ Longside † at ?

SUMMARY OF CONDITIONS AT 7 A.M. Monday, 24th November, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	W. 10-15	Mod.	Mainly fine.	Good	Slight
2. E. England	SW-W. 10-20	"	Fine or fair.	Var.	Mod.
3. E. Midlands	WSW-W. 5	"	Fine	V. good	-
4. W. Midlands	SW-W. 5-10	"	Fine	Good	-
5. S.W. England	W-WNW. 10-15	"	Fine.	"	Mod.
6. South Wales	SW-W. 15	"	Fine to fair.	"	Rough
7. North Wales	SW-W. 15-25	"	Fine, squalls locally.	Fair	"
8. N.W. England	SW-NW. 15	"	Fine	"	"
9. N. Midlands	W. 10-15	"	Fine	-	-
10. N.E. England	WSW-W. 15-25	"	Fine or fair, local mist and squalls.	Good	Mod.
11. E. Scotland	SW. 0-10	R. cold	Fine or dull, showers in north.	V. good	Smooth
12. S.W. Scotland	SW-W. 10-25	Mod.	Variable sky, local showers and squalls.	Ord.	Mod.
13. Isle of Man	W. 10-15	"	Fine.	-	Slight
14. N. & N.W. Scotland	SW-W. 10	R. cold	Cloudy or dull, local rain.	Ord.	Smooth
15. Hebrides	W. 10-20	"	Fair or dull, local rain.	"	Mod.
16. Orkneys and Shetlands	SW-W. 2-10	Mod.	Cloudy or dull, mist at Shetlands.	Indiff.	Smooth
17. N.W. Ireland	W. 15	"	Dull, local mist.	"	Mod.
18. N.E. Ireland	W. 10-20	"	Fine or cloudy, local mist.	Fair	"
19. S.E. Ireland	S-W. 5-15	"	Fine or cloudy.	Poor	R. rough
20. S.W. Ireland	SW-W. 5-15	"	Fine.	Good	Mod.



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

A secondary depression is indicated off south-west Ireland, and the barometer is rising rapidly in Iceland. Unsettled squally weather may therefore be expected tonight and tomorrow.

EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by arrow 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 & clouds.
 ⊖ sky & clouds. ⊕ sky & clouds.
 ⊗ overcast sky. ⊙ rain falling.
 * snow. ▲ hail. ≡ fog.
 T thunder. R thunderstorm.
SEA DISTURBANCE.—
 Rough High

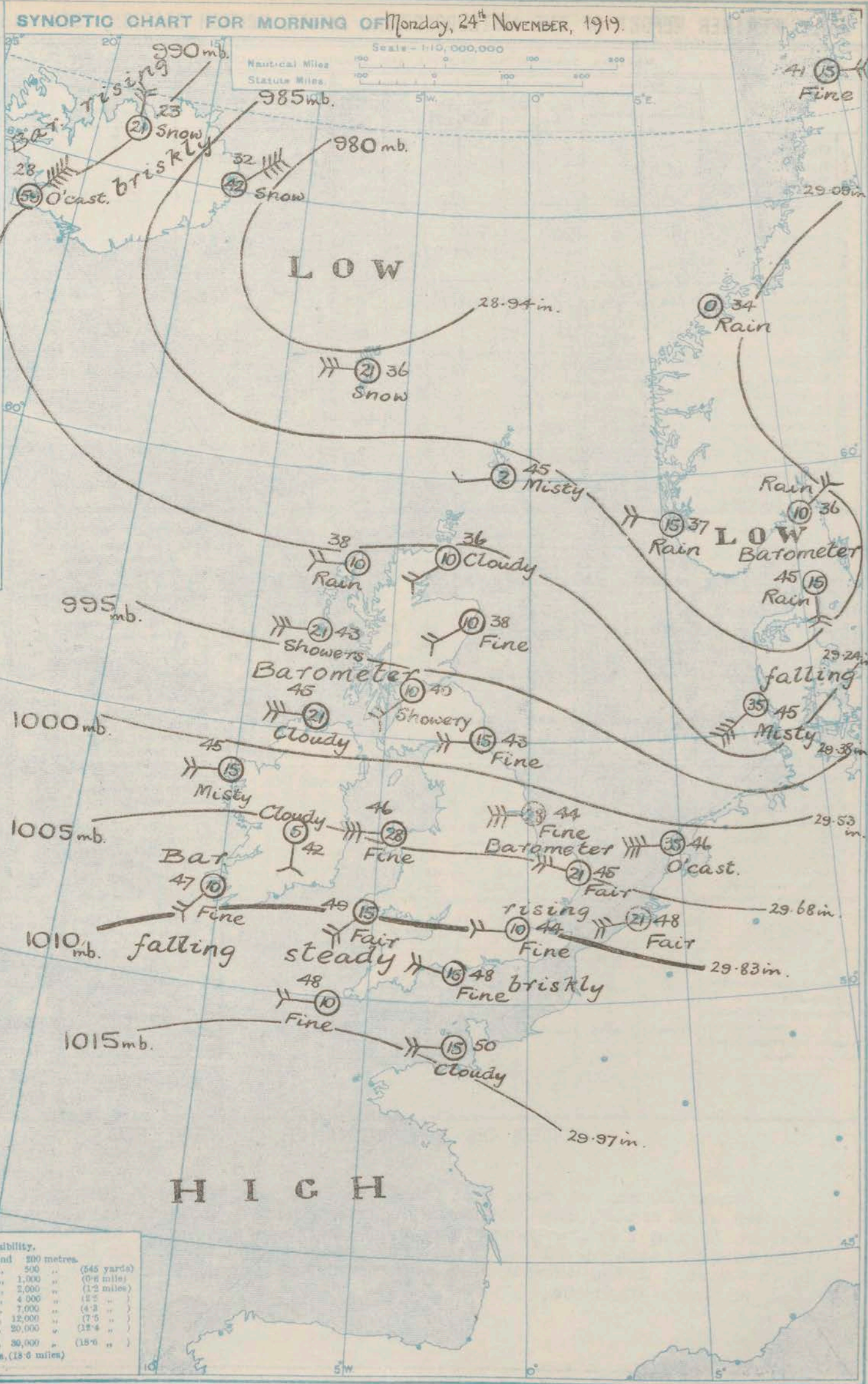
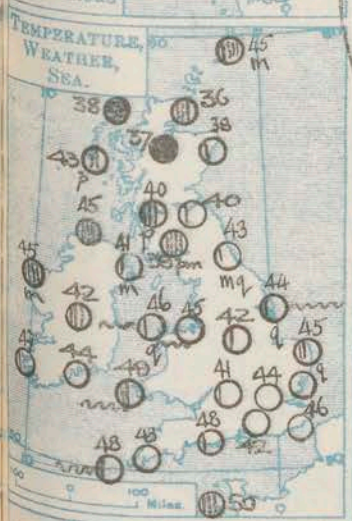
Districts.	Forecasts for the 24 hours commencing 3 p.m. Monday, 24th November, 1919	Further Outlook.
1. S.E. England	Wind backing to SW. or S., light or moderate, veering and increasing later. Fine at first, less settled later, with showers or rain or sleet at times tonight and tomorrow. Probably fair intervals. Warm today, Colder tomorrow.	Unsettled and rather cold weather is probable with perhaps snow in the north.
2. E. England		
3. E. Midlands		
4. W. Midlands		
5. S.W. England	Wind SW. or S. light or moderate, veering and increasing later. Some showers or rain at times. Squally rain, sleet or hail showers tomorrow. Fair intervals. Becoming colder.	
6. South Wales		
7. North Wales		
8. N.W. England		
9. N. Midlands	Wind between SW. and NW., moderate or fresh, strong locally. Changeable, squally. Some showers of rain, sleet or hail; perhaps snow later.	
10. N.E. England		
11. E. Scotland		
12. S.W. Scotland		
13. Isle of Man	Fair intervals. Cold.	
14. N. & N.W. Scotland		
15. Hebrides		
16. Orkneys and Shetlands		
17. N.W. Ireland	Same as for 5-7	
18. N.E. Ireland		
19. S.E. Ireland		
20. S.W. Ireland		

SYNOPTIC CHART FOR MORNING OF Monday, 24th November, 1919.

Scale - 1:10,000,000
Nautical Miles 100 200 300
Statute Miles 100 200 300

ATION.
are drawn
shown by
Force, on the
by the number
ity is shown in
small circles
on in degrees
sky & clouded
sky & clouded
rain falling
fog
thunderstorm
High

Outlook.
led
cold
is
with
snow
orth.



Scale of Surface Visibility.

0	Very Bad	Objects not visible beyond 200 metres.
1	Bad	" " " 500 " (545 yards)
2	Very Poor	" " " 1,000 " (1,093 yards)
3	Poor	" " " 2,000 " (2,187 yards)
4	Indist.	" " " 4,000 " (4,375 yards)
5	Ordinary	" " " 7,000 " (7,656 yards)
6	Good, above ord.	" " " 12,000 " (13,123 yards)
7	Yy gd., unusual	" " " 20,000 " (21,600 yards)
8	Excep. good	" " " 30,000 " (32,600 yards)
10	Objects visible beyond 30,000 metres, (32.6 miles)	

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 3228

Monday
24th November 1919

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 23 rd																			
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-24h. 22 nd	Day. 9h-17h. 22 nd	Sunrise to Sun- set. 23 rd	Forenoon.			Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-24h. 22 nd	Day. 9h-17h. 23 rd	Sunrise to Sun- set. 23 rd		
Scotland.	Oban									England, N.W.	Douglas (I.O.M.)								
	Banff										Blackpool								
	Montrose										Southport	b c c b c	b c c o	52	48	-	-		1.0
	St. Andrews																		
England, N.E.	Harrogate	+	+	54	49	3	-	0.0		Midlands.	Buxton								
	Skegness										Leamington Spa... ..	-	-	56	45	-	-		0.1
											Malvern								
											Ross-on-Wye	b c c	o b c	57	51	-	-		0.2
England, E.	Felixstowe	b c q	b c q	?	40	0.4	-	0.7		Wales.	Rhyl	c	c b c	60	49	-	-		1.8
	Walton-on-Naze... ..										Colwyn Bay	+	+	59	41	-	-		0.5
	Scutthend-on-Sea... ..	o p	o	52	40	-	-	0.0			Llandudno	b.	d	58	52	-	-		3.0
											Aberystwyth								
England, S.E.	Margate									England, S.W.	Weymouth								
	Ramsgate	o	c	57	45	8	-	1.0			Teignmouth								
	Folkestone	+	+	56	51	-	-	0.6			Torquay	+	+	56	51	-	0.3		0.0
	Hastings										Paignton								
	Eastbourne... ..	c o	o	53	49	0.1	-	0.0			Penzance	+	+	56	51	1	-		0.0
	Brighton										Newquay	odf	odf	53	51	1	0.1		0.0
	Worthing	o	o	56	52	-	-	0.1			Bude								
	Littlehampton	+	d	49	46	-	-	0.0			Ilfracombe								
	Bournemouth	+	+	54	48	-	-	0.0			Weston-s-Mare								
	Tunbridge Wells	o	o	54	45	-	-	0.0											

STATIONS.	SUMMARIES FOR PAST 24 HOURS.										BEAUFORT NOTATION.	THE BEAUFORT SCALE OF WIND FORCE.		
	WEATHER.				Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass ° F.	RAINFALL.		Sun. Hours.		No.	Limits of Velocity.	
	7h-13h.	13h-18h.	18h-24h.	1h-7h.				Day. 7h-18h.	Night. 18h-7h.				Statute miles per hour.	Metres per second.
†Houton Bay (Orkney)...							*	*	*	*	b blue sky (not more than a quarter covered).	0	Less than 1	Less than 0.3
Eskdalemuir	odm	odt	odmorm	cp.opm	53	37	35	2	13	0.0	bc sky partly cloudy (one half covered).	1	1-3	0.3-1.5
†Stranraer	c.oq			pd,q	56	41	*	*	*	*	c generally cloudy (three quarters covered).	2	4-7	1.6-3.3
†Lough Foyle					*	*	*	*	*	*	d drizzle, or fine rain.	3	8-12	5.4-5.4
Valencia (Cahiriveen) ...	opd	c.o	o.cp.bc		56	46	43	1	1	0.0	e wet air without rain falling.	4	13-18	5.5-7.9
											f fog. g gloom.	5	19-24	8.0-10.7
											h hail. i lightning.	6	25-31	10.8-13.8
											m mist.	7	32-38	13.9-17.1
†Anglesey (Llangefni) ...	og	qg			*	*	*	*	*	*	o overcast sky.	8	39-46	17.2-20.7
Falmouth	f.cu	oe.dug	odg	og.b	55	42	37	trace	2	0.0	p passing showers.	9	47-54	20.8-24.4
†Calshot (Hants)	o	o		q	54	41	*	*	*	*	q squalls.	10	55-63	24.5-28.4
†Capel (Folkestone)...	cv	o.of	odf	o.f.pd.	54	42	*	*	*	*	r rain.	11	64-75	28.5-33.5
											rs sleet, i.e., rain and snow together.	12	Above 75	33.6 or above
											s snow.			
Aberdeen	bcu op	odm	odm		54	34	32	0.2	18	0.5	t thunder.			
†East Fortune	pd,q		vg		*	*	*	*	*	*	u ugly, threatening sky.			
†Framborough Hd. ...	c.oq			b,q	56	42	*	*	*	*	v unusual visibility.			
†Felixstowe	c.cf	c.oq		g.f	56	43	*	*	*	*	w dew.			
†Cranwell (Lines) ...	c.o	c.o	bc.cq	c.o.bc.c	52	33	*	*	*	*	x hoar frost.			
†Bedford	c3	bc.c3	omq	b.c3	57	40	*	*	*	*	y dry air; humidity less than 60 per cent.			
Benson	o	o	odf		55	40	32	-	0.3	*	z dust haze; the turbid atmosphere of dry weather.			
London (Kew Obsy.) ...	om.o	om.o	o.on.b		57	43	37	trace	1	0.3				

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

SYMBOLS—

Aurora ☽ Solar halo ☉
Rime ☾ Lunar halo ☉
Glazed frost ☽ Solar corona ☉
Glazed roads ☽ Lunar corona ☉

LONDON. OBSERVATIONS.	WEATHER.			Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass. ° F.	Rain- fall. mm.	Sun- shine to Sunset. Hours.	Humidity %		SOUTH KENSINGTON (Meteorological Office).	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.			
	Morning	Afternoon.	Night.						15 h. G.M.T.	9 h. G.M.T.		Stations.	Sunrise.	Noon.	Sunset.
	24 HOURS ENDED 9H G.M.T. ... 24 th ...								YESTERDAY.	TODAY.	24 th + 25 th NOVEMBER 1919.				
Greenwich (Royal Observatory)	o	o	on.c.b	56	42	33	0.3	0.0	84	77	Vertical Component of Solar Radiation per Square Centimetre during yesterday.	Stations.	Sunrise.	Noon.	Sunset.
City (Bunhill Row) ...	*	*	*	*	*	*	*	0.0	*	*					
Westminster (St. James's Park)	*	*	*	57	43	34	1	0.0	71	78	Total 10.2 Joules.	Yarmouth ... {	G.M.T. 7.31	G.M.T. 11.40	G.M.T. 3.48
(Admiralty Arch)	om	om.dq	omq.bcp	57	44	*	0.3	0.0	87	78						Greenwich {	G.M.T. 7.33	G.M.T. 11.40	G.M.T. 3.47
Camden Sq. (British Rainfall)	-	-	*	56	42	37	1	0.0	-	84	Average Rate. 36	Wick ... {	G.M.T. 8.12	G.M.T. 11.59	G.M.T. 3.59
Kensington Palace	o	o	*	57	41	37	1	*	92.08%	86						Maximum Rate. 1.3	Valencia ... {	G.M.T. 8.17	G.M.T. 12.28	G.M.T. 4.38
			</												

NOTES ON THE WEATHER OF YESTERDAY.

About 20 mm. of rain fell in N. Ireland and S. and E. Scotland. Elsewhere amounts were small, some stations reporting none. Sunshine records were poor, no station having 2 hours except Llandudno and Yarmouth. The day was very mild, temperature reaching 60° at Rhyl and exceeding 55° except in the extreme north and north-west. Gales were widely experienced during the night, with line squalls at some northern stations.

† Air Ministry Station.

* Information for these columns not usually received.



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

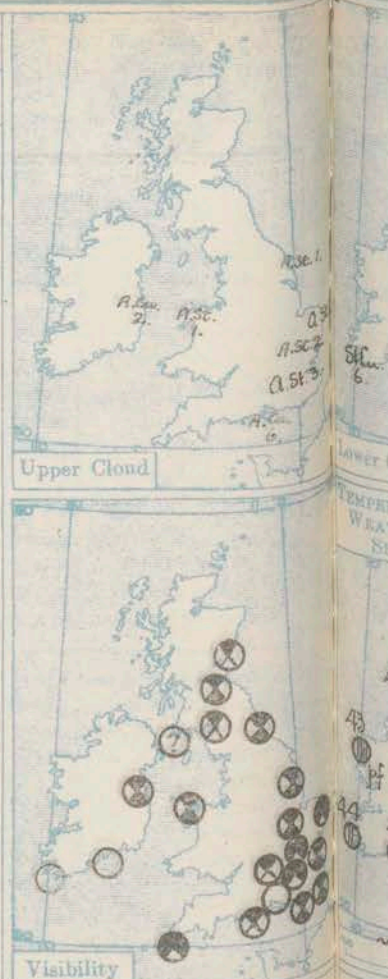
No. 24, 187B ... TUESDAY, 25TH NOVEMBER, 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 18H.																												
STATIONS.	BAROM.	†	WIND.		WEATHER.	TEMP.	% Humidity.	Visibility.	Height	Low Cloud.		Upper Cloud.		Sea	BAROM.	†	WIND.		WEATHER.	TEMP.	% Humidity.	Visibility.	Height	Low Cloud.		Upper Cloud.		Sea
	at M.S.L. m.b.	Change in 3 hours.	Dir.	Force 0-12.		°F.	0-10.	Feet.	Form.	Amt. 0-10.	Form.	Amt. 0-10.	0-9.		at M.S.L. m.b.	Change in 3 hours.	Dir.	Force 0-12.		°F.	0-10.	Feet.	Form.	Amt. 0-10.	Form.	Amt. 0-10.	0-9.	
13H. G.M.T. ... 24 TH ...														18H. G.M.T. OF ... 24 TH ...														
†Houton B. (Orkney)	998.5	-2	SW	4	om.	41	87	6	1½-2000	St	10	-	-	*	993.3	-4	SW	6	or	41	87	6	-	Nb	10	-	-	*
Eskdalemuir ...	999.2	-2	WSW	6	o	40	92	5	1½-2000	St	9	-	-	*	993.7	-5	W	6	o	45	98	-	1½-2000	St	10	-	-	*
†Stranraer ...	1004.4	-6	SW	5	bc	51	75	8	2-3000	Cu	7	-	-	4	1000.7	-1	WSW	4	c	48	75	7	2-3000	St	8	-	-	4
†Lough Foyle ...																												
Valencia (Cahire'n)	1004.4	-6	SW	5	bc	51	75	8	2-3000	Cu	7	-	-	4	1000.7	-1	WSW	4	c	48	75	7	2-3000	St	8	-	-	4
†Anglesey (Llangefni)	1010.8	-3	SW	4	c	52	75	7	-	CuNb	8	-	-	*	998.5	-6	W	4	o	46	87	-	2-3000	St	10	-	-	5
Falmouth ...	1010.8	-3	SW	4	c	52	75	7	-	CuNb	8	-	-	*	1006.5	-5	SW	5	b	46	82	6	-	StAl	2	-	-	*
†Calshot (Hants) ...	1013.9	-3	W	2	bc	51	82	6	2-3000	Cu	1	Al	5	3	1008.9	-3	W	2	b	38	92	6	2-3000	Cu	2	Al	3	3
†Capel (Folkestone)	1012.0	0	W	2	bc	48	75	5	-	-	-	Ci	5	3														
1H. G.M.T. OF ... 25 TH ...														7H. G.M.T. OF ... 25 TH ...														
†Houton B. (Orkney)	991.6	-1	SW	3	c	35	92	6	-	St	7	-	-	*	988.2	-3	WSW	4	o	37	87	6	-	St.Cu	10	-	-	*
Eskdalemuir ...														*	987.5	-2	WSW	3	r	39	98	-	1½-2000	Nb	10	-	-	*
†Stranraer ...	1000.8	-1	WSW	6	bcq	44	*	*	*	*	*	*	*	6	999.3	0	NW	4	bc	44	75	8	2-3000	Cu	6	-	-	0
†Lough Foyle ...																												
Valencia (Cahire'n)	1000.8	-1	WSW	6	bcq	44	*	*	*	*	*	*	*	6	999.3	0	NW	4	bc	44	75	8	2-3000	Cu	6	-	-	0
†Anglesey (Llangefni)	995.7	0	W	3	o	45	92	5	1½-2000	St	10	-	-	4	993.1	-4	NW	5	bc	41	92	4	2-3000	St.Cu	5	A.St	1	5
Falmouth ...	1000.7	-4	WSW	5	or	46	92	5	-	CuNb	10	-	-	*	999.4	-1	WNW	2	b	41	75	6	-	AlNb	2	A.St	1	*
†Calshot (Hants) ...														*	997.6	-6	NW	2	o	43	98	6	1½-2000	Cu	4	A.Cu	6	2
†Capel (Folkestone)														*	997.4	?	WNW	4	r	42	98	5	1½-1000	Nb	10	-	-	4
Aberdeen ...														*	986.6	-1	WSW	2	b,3	33	98	6	-	St.Cu	3	-	-	2
†East Fortune ...	989.2	-3	SW	4	b	38	82	?	2-3000	StCu	1	-	-	*	986.6	-3	SSW	3	bc	39	82	4	2-3000	St.Cu	6	-	-	*
†Falmouth ...														*	992.7	0	SW	3	b,3	36	92	4	1-5000	St.Cu	2	-	-	*
†Felixstowe ...														*	996.8	-1	SW	3	b,3	44	98	4	1½-2000	CuNb	10	-	-	3
†Cranwell (Lincs)	995.4	-5	S	4	or	44	98	4	1-1500	Nb	10	-	-	*	993.8	-1	WSW	3	b	36	98	4	2-3000	St	3	-	-	*
†Bedford ...	997.4	-6	SSW	4	b,q	45	87	5	2-3000	St	3	-	-	*	995.6	0	WSW	2	3	39	92	2	3-4000	St.Cu	4	A.St	2	*
Benson ...														*	995.1	-2	SW	2	c	39	98	7	-	St	7	-	-	*
London (Kew Obs.)	999.6	-4	*	*	b	*	*	*	*	*	*	*	*	*	995.5	-1	W	2	om	43	92	3	1½-2000	St.Cu	7	A.St	3	*
(M.O. at Ld.)																												
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.																												
STATIONS.	BAROM.	TEMP.	WIND.		WEATHER.	BAROMETER.		TEMPERATURE.		WIND.		Dir. of Upper Cloud.	WEATHER.	Sea	Rainfall mm.	TEMP.		WEATHER.			Sunshine Hours.							
	at M.S.L. m.b.	°F.	Dir.	Force 0-12.		at M.S.L. m.b.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Dir.	Force 0-12.					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.								
18H. G.M.T. OF ... 24 TH ...														7H. G.M.T. OF ... 25 TH ...														
Lerwick ...	986.4	39	SW	3	omd	985.1	41	35	-10	-	0	-	cm	0	6	45	34	rhp.	rhp	cm	*							
Stornoway ...	985.1	37	WSW	3	op	988.2	44	36	-2	N.	3	-	or	2	6	41	33	o.c. op.	o.c. op.	o.c.	0.3							
Castellbay (Barrals)	987.3	43	W	4	bc	987.1	48	41	-2	N.	4	-	cp	4	4	45	37	bc.op	op.h bc	bc.op	0.4							
Glasgow ...	991.6	39	WSW	4	o	987.1	-2	39	-1	SSW	2	W	odm	*	8	43	35	cp.op	c.oh py	bhp.bp	0.1							
Malin Head ...	989.9	43	W	4	cp	983.6	0	44	-1	W	4	W	cp	4	9	46	38	cp.	omt.	cp	1.0							
Blacksod Point	995.6	43	W	4	opq	984.0	41	43	-2	W	4	-	opf	4	6	48	37	cp.	c.	cp.opq	*							
Roche's Point...	1000.4	46	W	4	r.	988.0	0	41	-3	WNW	3	-	bc	2	3	51	39	b.bc.b	b.or	cp.bc	*							
Birr Castle ...	998.1	38	SW	2	o	984.6	*	35	-7	S	1	-	c	*	16	48	35	cp	c.op	cp	0.0							
Donaghadee ...	995.1	43	WSW	3	omq	990.1	-2	37	-4	SW	3	-	o	2	1	46	35	bc	cqph	bcmp	*							
Liverpool (Bidston)	998.5	44	SW	4	bc	992.2	-3	37	-8	SSW	3	S	cm	3	1	50	36	c.	bc	op.bc	5.5							
Holyhead ...	997.4	49	SW	6	o	991.9	-4	43	-3	W	5	W	cg	4	2	49	41	b.bc.c	cp.c.o	op.c.bc	2.1							
Pembroke (St. Ann's Head)	1001.7	49	SSW	5	or	995.8	-3	46	43	WSW	5	-	cq	5	2	50	45	bcq	bc.cq.o	op.cq	5.0							
Scilly (St. Mary's)	1008.1	50	WSW	5	bc	1000.3	-1	47	-1	WNW	5	-	bc	6	4	53	43	bc.	bcq	bcq	5.9							
Jersey (St. Aubin)	1010.8	51	SW	4	b	999.3	-1	44	-6	WNW	5	-	or	0	10	53	43	c.b.	b	b.or.br	5.0							
Portland Bill ...	1006.9	50	WSW	5	bq	998.2	-1	45	-3	WNW	4	-	c	5	5	55	45	bc.c	bc.cq	cq	*							
Dungeness ...	1007.7	48	SW	3	c	997.0	-3	45	-1	WSW	3	W	r	4	11	51	44	bc.	c.bc	qf.cqr	*							
Liverpool (Bidston)	998.5	44	SW	4	bc	992.2	-3	37	-8	SSW	3	S	cm	3	1	50	36	c.	bc	op.bc	5.5							
Holyhead ...	997.4	49	SW	6	o	991.9	-4	43	-3	W	5	W	cg	4	2	49	41	b.bc.c	cp.c.o	op.c.bc	2.1							
Pembroke (St. Ann's Head)	1001.7	49	SSW	5	or	995.8	-3	46	43	WSW	5	-	cq	5	2	50	45	bcq	bc.cq.o	op.cq	5.0							
Scilly (St. Mary's)	1008.1	50	WSW	5	bc	1000.3	-1	47	-1	WNW	5	-	bc	6	4	53	43	bc.	bcq	bcq	5.9							
Jersey (St. Aubin)	1010.8	51	SW	4	b	999.3	-1	44	-6	WNW	5	-	or	0	10	53	43	c.b.	b	b.or.br	5.0							
Portland Bill ...	1006.9	50	WSW	5	bq	998.2	-1	45	-3	WNW	4	-	c	5	5	55	45	bc.c	bc.cq	cq	*							
Dungeness ...	1007.7	48	SW	3	c	997.0	-3	45	-1	WSW	3	W	r	4	11	51	44	bc.	c.bc	qf.cqr	*							
Wick ...	987.0	39	SW	3	om	985.1	0	34	-2	WNW	2	-	bc	2	-	42	31	om	om	om.bc	*							
Nairn ...	986.9	35	W	1	o	984.2	*	31	-6	-	0	-	bc	1	2	40	30	c.bc	bcq	o.c.bx	3.5							
Leith ...	989.8	44	W	4	c	986.6	-1	38	-2	SW	2	SW	c	2	7	45	37	cg.or	oq.c	cqmu.c	*							
Tynemouth ...	995.0	44	WSW	3	bc	989.5	-3	36	-7	WSW	2	-	bm	2	4	47	35	bq	bcq	bm	*							
Spurn Head ...	1000.8	44	WSW	4	bc	992.5	-1	40	-4	WSW	0.3	-	bc	3	3	46	38	b	b.bc	op.bc	*							
Yarmouth (Gorleston)	1006.5	44	WNW	4	bc	995.1	-3	46	-1	WSW	4	-	om	4	-	50	41	bcq	bcq	bq.bcm	7.0							
Clacton-on-Sea	1006.8	44	SSW	3	bc	995.5	-2	44	-1	W	3	-	c	2	0.1	49	42	bc.bm	bm.bx	bc.cp	4.6							
Nottingham ...	1001.9	45	SW	3	b	994.0	*	37	-5	WSW	1	-	bm	*	3	50	36	b.	bc.b.	b.bc	3.9							

† Air Ministry Station. * Information for these columns not usually received. - The barometric change is expressed in half millibars. § Longside † at 1h.

SUMMARY OF CONDITIONS AT 7 A.M. Tuesday,, 25th November, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	SW-NW. 5-15	Moderate	Dull, local mist and rain.	Var.	Mod.
2. E. England	SW-W. 5-15	"	Variable sky, local drizzle and mist.	Indiff.	Slight
3. E. Midlands	SW. 2-5	R. cold	Fine to cloudy, local mist.	Var.	"
4. W. Midlands	SW-W. 2-10	"	Fine to cloudy.	"	"
5. S.W. England	WNW. 10-20	"	Fine to cloudy.	Good	R. rough
6. South Wales	WSW-WNW. 15-20	Mod.	Cloudy, squalls locally.	Fair	"
7. North Wales	W-NW. 20	R. cold	Fair or cloudy.	Indiff.	Med.
8. N.W. England	S-W. 10-15	"	Cloudy or dull.	Fair.	Slight
9. N. Midlands	SW. 2-10	"	Variable sky.	Indiff.	"
10. N.E. England	SW-W. 5-10	"	Mainly fine or fair, local mist.	"	Slight
11. E. Scotland	SW-W. 0-10	Cold	Fine to cloudy.	Fair	Smooth
12. S.W. Scotland	S-W. 10-20	Mod.	Dull, local mist and rain.	"	"
13. Isle of Man	SW-W. 10-15	R. cold	Cloudy or dull.	"	Slight
14. N. & N.W. Scotland	W-N. 5-10	"	Fair to dull, local rain.	Fair	Smooth
15. Hebrides	N. 10-15	"	Cloudy or dull, some rain.	"	Slight
16. Orkneys and Shetlands	NW. 0-10	Cold	Cloudy, mist at Shetlands	Ord.	Smooth
17. N.W. Ireland	W. 15	Mod.	Dull, local fog and showers.	Poor	Med.
18. N.E. Ireland	SW-W. 10-15	R. cold	Cloudy or dull, local showers and mist.	Ord.	"
19. S.E. Ireland	S-W. 2-15	"	Cloudy.	Fair.	"
20. S.W. Ireland	NW. 10-15	"	Fair!	V. good	Smooth



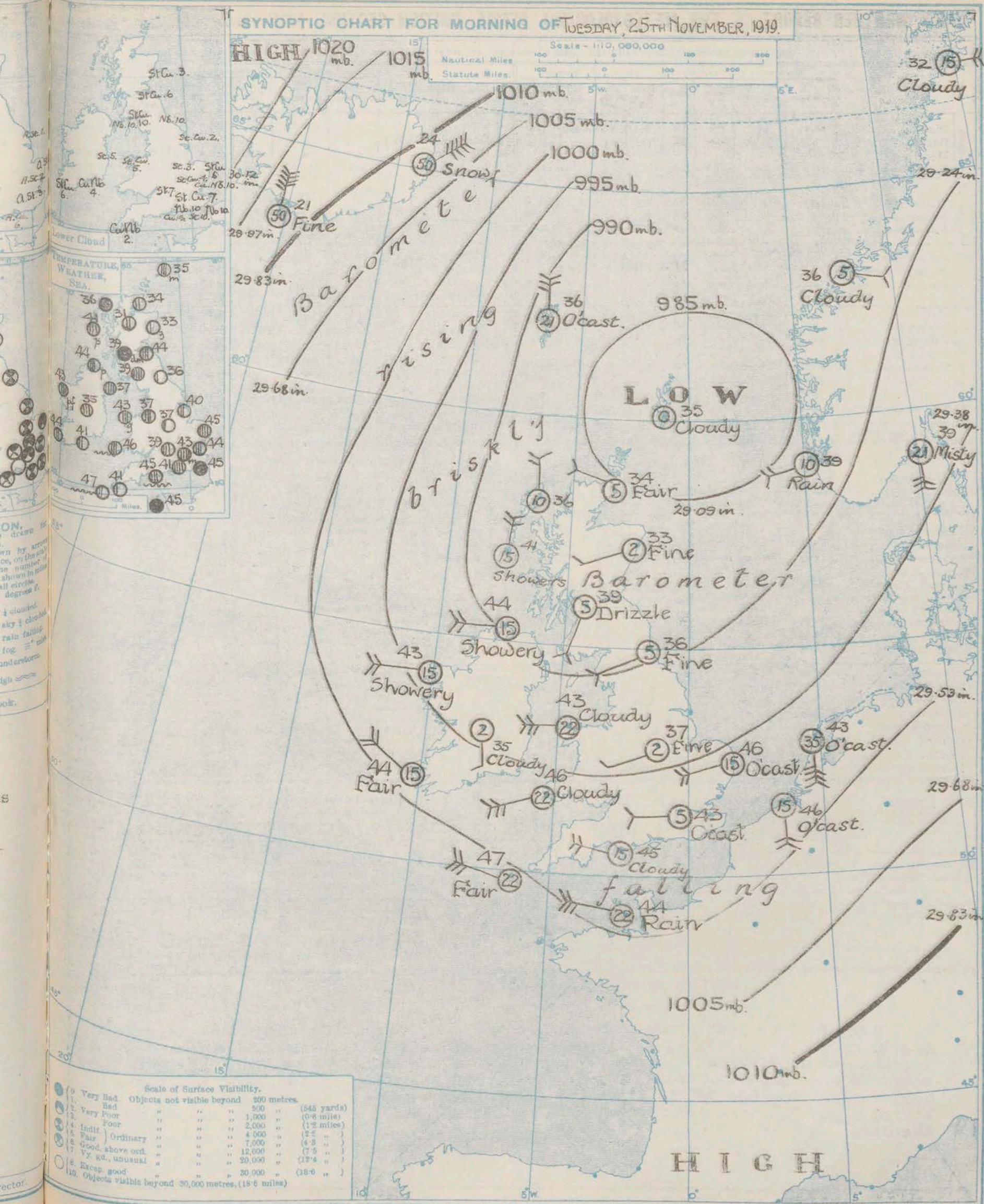
EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by arrow flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Mean velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in degrees F.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

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

The depression centred near the Shetlands is moving slowly south-east, and a secondary trough is crossing the British Isles. In its rear a NWly. type of weather is probable, with squally showers and fair intervals.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Tuesday, 25th November, 1919
1. S.E. England	Moderate Wly. winds, veering NW. Cloudy, some showers. Fairer intervals tomorrow. Rather cold.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	Wind W. to NW. moderate or fresh, strong at times. Squally, some rain or hail showers. Fairer intervals. Rather cold.
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	Wind between W. and NW. veering to N. later, moderate or fresh. Some rain at first. Improving later, with rain, sleet or snow showers locally. Cold.
10. N.E. England	
11. E. Scotland	
12. S.W. Scotland	
13. Isle of Man	Fresh or strong Nly. winds. Squally. Cloudy, some rain, sleet or snow showers. Cold.
14. N. & N.W. Scotland	
15. Hebrides	
16. Orkneys and Shetlands	
17. N.W. Ireland	Same as for 8-13
18. N.E. Ireland	
19. S.E. Ireland	Same as for 5-7
20. S.W. Ireland	

HIGH 1020 15 Scale - 110,000,000 Nautical Miles 100 0 100 200



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

Tuesday
25th November

[illegible]

STATIONS.	SUMMARIES FOR PAST 24 HOURS.									
	WEATHER				Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass. ° F.	RAINFALL.		Sun. Hours.
	7h-13h	13h-18h	18h-24h	1h-7h				Day. 7h-13h	Night. 13h-7h	
†Houton Bay (Orkney)... Eskdalemuir	op.c.o	op.	op.q.c.	c.p.o	42	33	31	5	2	0.1
†Stranraer	ET	om. of		bc.c	47	38	*	*	*	*
†Lough Foyle							*	*	*	*
Valencia (Cahiriveen) ...	b.pc.bc	bc.op.h	bc.p.b.c		52	42	39	6	3	3.1
†Anglesey (Llangefni) ...		Tq	o	q.c	53	39	*	*	*	*
Falmouth	b.bc.c	c.bc.bq	b.op.q.	q.bc	53	40	36	1	2	4.0
†Calshot (Hants)	c.o	c.o		P.	50	43	*	*	*	*
†Capel (Folkestone)	b.bc.b			C.S.	50	41	*	*	*	*
Aberdeen	b.bz.b	bcz.om	op.b		43	32	24	-	trace	4.9
†East Fortune	p.o.q	bc.cq	b.bc.q.	b.bc	43	37	*	*	*	*
†Flamborough Head ...	bz	bc.cq		b.x	47	35	*	*	*	*
†Felixstowe	bz	bc.cz		P.	49	44	*	*	*	*
†Cranwell (Lines)		b.bc.bcc	b.bc.c.o.	p.om.	49	34	*	*	*	*
†Bedford	b/bcq	bc.cq	b.bc.z.q.	bc.c32	51	38	*	*	*	*
Benson	bc.c	p.bc	d.o.c		54	39	34	4	0.1	*
London (Kew Obsy.) ...	bm.bc	bc.o.b	b.bc.c.rom		53	42	38	-	1	5.0

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. 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 0.8
1	1-3	0.3-1.5
2	4-7	1.6-3.3
3	8-12	3.4-5.4
4	13-18	5.6-7.9
5	19-24	8.0-10.7
6	25-31	10.8-13.8
7	32-38	13.9-17.1
8	39-48	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.

SYMBOLS—

Aurora ☄ Solar halo ☀

Rime ❄ Lunar halo ☾

Glazed frost ☁ Solar corona ☉

Glazed roads ☐ Lunar corona ☾

LONDON. OBSERVATIONS.	WEATHER.			Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass. ° F.	Rain- fall.	Sun- shine to Sunset.	Humidity %		SOUTH KENSINGTON (Meteorological Office).	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.				
	Morning	Afternoon.	Night.				inches.	Hours.	15 h. G.M.T.	9 h. G.M.T.		Vertical Component of Solar Radiation per Square Centimetre during yesterday.	Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
	24 HOURS ENDED 9H G.M.T. 25 th								YESTERDAY.	TO-DAY.						
Greenwich (Royal Observatory)	b	b.p.c.t	c.a.b.o	52	42	33	1	5.6	70	87	Total 39.7 Joules. Milliwatts. Average Rate. 10.1 Maximum Rate. 24	Yarmouth... { Greenwich { Wick ... { Valencia ... {	7.33 7.34 7.37 8.24 8.27 8.15 8.20	11.40 11.40 11.47 11.53 11.59 12.28 12.28	3.47 3.46 3.58 3.57 3.33 3.31 4.37 4.36	
City (Bunhill Row)	*	*	*	*	*	*	*	3.3	*	*						
Westminster (St. James's Park)	*	*	*	53	42	39	1	5.2	67	92						
" (Admiralty Arch	b.m.bc	bc.bm	b.m.c.o.p.m	52	43	*	1	4.1	68	88						
Camden Sq. (British Rainfall)	b.bc	bc.c.o	*	52	42	38	1	3.8	71	94						
Kensington Palace	b	o.bc	*	52	41	39	1	*	90 (18h)	94						

NOTES ON THE WEATHER OF YESTERDAY.

Rain fell in most places but amounts were not large. The highest measurement was 16 mm. at Birr Castle. There was hail locally in the west and north, and thunder at Glasgow and Valencia. About five hours of bright sunshine were experienced in many places, 7 hours locally in the south and east. Temperature exceeded 50° in the south but only reached 45° in the north. Minima below 32° were recorded at Wick and Nairn, and a grass minimum of 24° at Aberdeen.

† Air Ministry Station.

* Information for these columns not usually received.



8.

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46° 1-
1-

* The barometric change is expressed in half millibars. † Longside ‡ at 1 h.

SUMMARY OF CONDITIONS AT 7 A.M. Wednesday, 26th November, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	SW-NW. 5-15	Cold	Fine, frost inland.	Good	Slight
2. E. England	SW-W. 5-10	R. cold	Variable cloud, local frost and mist.	Poor	Smooth
3. E. Midlands	SW-W. 2-5	"	Fine or fair, frosty; local mist.	Fair	"
4. W. Midlands	SW-W. 2-5	"	Fine or cloudy.	"	"
5. S.W. England	VNW-NNW. 10-20	"	Fair or cloudy.	Good	Mod.
6. South Wales	NW. 10	"	Cloudy.	Fair	Slight
7. North Wales	NE. 0-15	"	Cloudy or dull, local showers.	Fair	"
8. N.W. England	N-NE. 5-10	"	Variable sky.	Fair	"
9. N. Midlands	NW NE. 5-10	"	Variable sky.	"	"
10. N.E. England	NE-N. 5-15	"	Cloudy or dull, local mist and rain.	Poor	Slight
11. E. Scotland	NW-NE. 5-20	"	Fine or cloudy, local squalls.	V. good	Smooth
12. S.W. Scotland	NE. 5-20	"	Cloudy or dull.	"	Mod.
13. Isle of Man	N-NE. 15	"	Cloudy.	Good	"
14. N. & N.W. Scotland	N-NE. 15-20	"	Dull, local showers, mist and squalls.	Ord.	"
15. Hebrides	N NE. 20	"	Dull, local squalls and showers.	Fair.	R. rough
16. Orkneys and Shetlands	NNE. 35	"	Dull; mist and rain at Shetlands.	Indiff.	Mod.
17. N.W. Ireland	NNE. 35	"	Cloudy, squally.	Fair	R. rough
18. N.E. Ireland	N. 15-25	Mod.	Cloudy, squally, local showers.	Good	R. rough
19. S.E. Ireland	W-NW. 2-10	R. cold	Cloudy or dull, local mist.	Ord.	Slight
20. S.W. Ireland	NW-NE. 10-25	"	Fine or cloudy, local showers.	V. good	Mod.



EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by arrow lying 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.—Isotherms are given in degrees F.
WEATHER SYMBOLS.
 ☉ clear sky. ☁ sky & clouded. ☂ sky & clouded. ☄ overcast sky. ☔ rain falling. * snow. ▲ hail. = fog. T thunder. R thunderstorm.
SEA DISTURBANCE.—Rough High

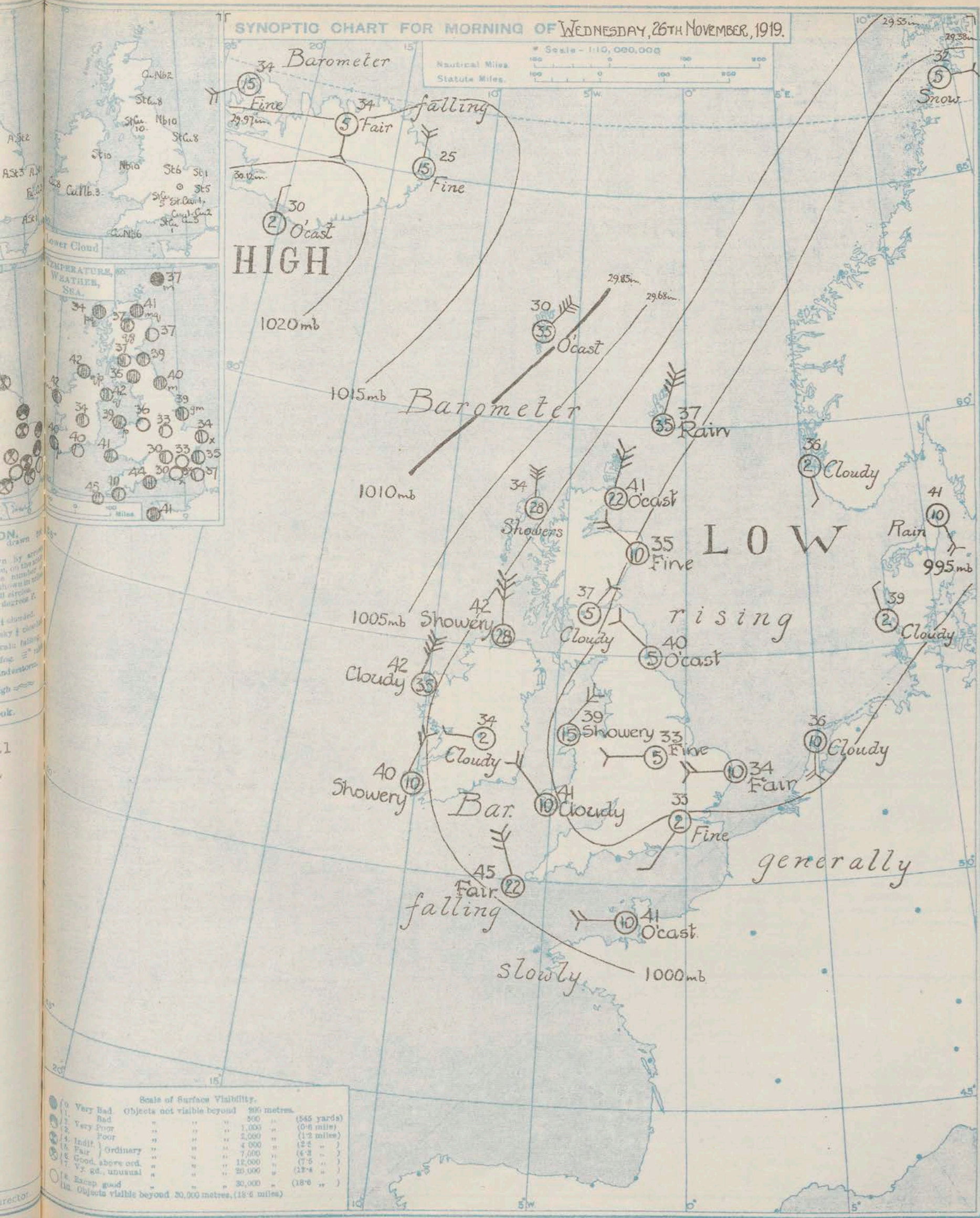
GENERAL INFERENCE from observations received up to 9 a.m.

A belt of low pressure from Scandinavia to Wales is slowly filling up, and the barometer is rising generally. No great change in the general situation is anticipated.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Wednesday 26th November, 1919	Further Outlook
1. S.E. England	Light breezes between SW. and W. perhaps NW. later.	A gradual return to a mild Wly. type of weather is probable.
2. E. England	Fair or fine, perhaps a few local showers tomorrow.	
3. E. Midlands	Mist locally. Rather cold. Frost at night.	
4. W. Midlands		
5. S.W. England	Moderate NW. winds. Local rain or hail showers.	
6. South Wales	Fair intervals. Rather cold.	
7. North Wales	Moderate or fresh winds between N. and NE. Cloudy, some rain or sleet showers. Fairer intervals. Rather cold.	
8. N.W. England		
9. N. Midlands	Wind between NW. and NE. light or moderate, fresh locally.	
10. N.E. England	Cloudy with fairer intervals. Some rain or sleet showers.	
11. E. Scotland	Rather cold.	
12. S.W. Scotland	Same as for 7-8	
13. Isle of Man		
14. N. & N.W. Scotland	Wind between N. and NE., strong or high, decreasing later.	
15. Hebrides	Cloudy, some rain or sleet showers. Squally. Cold.	
16. Orkneys and Shetlands		
17. N.W. Ireland	Same as for 14-16	
18. N.E. Ireland		
19. S.E. Ireland	Same as for 7-8	
20. S.W. Ireland		

SYNOPTIC CHART FOR MORNING OF WEDNESDAY, 26TH NOVEMBER, 1919.

Scale - 1:10,000,000
Nautical Miles
Statute Miles



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 miles)
3	Poor	"	2,000 "	(1.2 miles)
4	Indit.	"	4,000 "	(2.5 "
5	Fair	"	7,000 "	(4.3 "
6	Good, above ord.	"	12,000 "	(7.5 "
7	Very gd, unusual	"	20,000 "	(12.5 "
8	Except good	"	30,000 "	(18.6 "
9	Objects visible beyond	20,000 metres, (12.5 miles)		

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 3308

Wednesday
26th November

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

STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 12h-6h. 2.4	Day. 9h-12h. 2.5	Sunrise to Sun- set. 25.4	Forenoon.			Afternoon.	Max. ° F.	Min. ° F.	Night. 12h-9h. 2.4	Day. 9h-12h. 2.5	Sunrise to Sun- set. 25.4		
Scotland.	Oban	o.c.	bc.b	42	37	4	-	1.3	England, N.W.	Douglas (I.O.M.)									
	Banff	bc	bc	41	28	1	-	5.5		Blackpool	bc.	ot.o	46	40	3	3	3.7		
	Montrose									Southport	c.bc.c	c.ot.o	44	38	4	3	2.2		
	St. Andrews																		
England, N.E.	Harrogate	c.op.	o.c.o	40	33	2	0.3	0.2	Midlands.	Buxton	bc.c	c.bc.b	42	33	5	1	0.8		
	Skegness	b	b	45	35	1	-	4.6		Leamington Spa... ..	bc	bc	51	36	2	-	5.1		
	Scarboro	x	x	?	42	1	-	1.7		Malvern									
										Ross-on-Wye	cr.bc	c.bc	46	36	7	-	4.4		
England, E.	Felixstowe	cg.	cg.bc	45	41	0.4	-	2.2	Wales.	Rhyl	c.bc	bc.r	45	36	3	2	2.5		
	Walton-on-Naze...									Colwyn Bay	x	x	43	40	0.4	1	0.5		
	Southend-on-Sea...	op.c.	bc.b	44	40	1	-	0.3		Llandudno	cp.	ot	47	41	2	2	0.8		
										Aberystwyth	to.c.	c.o	45	40	x	x	3.5		
England, S.E.	Margate	o	c	45	43	2	-	0.3	England, S.W.	Weymouth	bc.	bc.p.bc	50	40	2	0.4	5.7		
	Ramsgate	x	x	45	39	4	-	0.0		Teignmouth									
	Folkestone	rev.	o.bc	46	41	-	-	0.6		Torquay	x	x	48	40	1	0.1	-		
	Hastings									Paignton	b.bcp	bc.p.b	49	39	1	0.2	6.1		
	Eastbourne	o.bc	bc	48	43	16	-	3.1		Penzance	bc.p.r	bc	50	42	4	1	5.1		
	Brighton	o.c.	c.bc.b	46	43	4	-	3.4		Newquay	cp.bc	bpq	52	48	2	0.3	3.5		
	Worthing	c.bc	b	47	43	1	-	3.6		Bude	bc.p	bc	51	42	3	-	4.9		
	Littlehampton	x	x	50	44	3	-	4.0		Ilfracombe	o.c.p	cp.h	47	44	6	1	3.2		
	Bournemouth	x	x	49	40	1	-	5.5		Weston-s-Mare	bc.r.bc	bp.bc	48	41	1	1	4.0		
	Tonbridge Wells	o.c	bc.b	46	38	1	-	2.4											

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.				Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass. ° F.	RAINFALL.		Sun. Hours.
	7h-18h 25 th	18h-18h 25 th	18h 25 th -1h 26 th	1h-7h 26 th				Day. 7h-18h.	Night. 18h-7h.	
†Houton Bay (Orkney)...							*	*	*	
Eskdalemuir	o	op.c.o.oder	otm.om	orsm.om	40	34	31	1	1	0.0
†Stranraer	bc.cq	b.bcq					*	*	*	*
†Lough Foyle							*	*	*	*
Valencia (Cabirciveen) ...	bcph	bc.cph	b.bc-cp		46	38	35	1	3	2.2
†Anglesey (Llangefni) ...	c.o	qr	o	r.c.o	44	35	*	*	*	*
Falmouth	bcqrv	bcs	bcph.b.	bch	50	37	31	2	1	4.9
†Calshot (Hants)	bc.c	b.bc	b.bc.	b.bc	44	34	*	*	*	*
†Capel (Folkestone)...	cv	b.b.bc	b.bc.	b.	48	33	*	*	*	*
Aberdeen	b3.b	b.b2	b3x.bop		39	32	28	-	2	4.6
†East Fortune	bc.c.	z2.pdo	b.bc.r	c.oq	43	37	*	*	*	*
†Flamborough Head ...	b.bc3.	b.bcz		om.r	42	32	*	*	*	*
†Felixstowe	oe	bc.c2		b.bcx	45	34	*	*	*	*
†Cranwell (Lines) ...	b.b.c	bc.c.b.bc	tu.o	p.o	43	31	*	*	*	*
†Bedford	b.b.c.b	b.bca	z	b.f2	46	29	*	*	*	*
Benson	bc.c.	b.	bcx		46	29	20	-	-	*
London (Kew Obsy.) ...	ombcm.b	b.b.c.b.	p.bxy		42	33	25	0.2	2	1.9

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. 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, 1=heavy. Underlining is used to express continuity.

SYMBOLS—

Aurora ☄ Solar halo ☉
Rime ☃ Lunar halo ☾
Glazed frost ☑ Solar corona ☼
Glazed roads ☐ Lunar corona ☾

LONDON OBSERVATIONS.

Observer's Name.	Morning.	Afternoon.	Night.	F.	F.	F.	mm.	Hours.	G.M.T.	G.M.T.
	24 HOURS ENDED 9h G.M.T. ... 26 ^d							YESTERDAY.		TO-DAY.
Greenwich (Royal Observatory)	o	a.b	b2	46	32	23	-	1.8	70	85
City (Bunhill Row)	x	x	x	x	x	x	x	0.7	x	x
Westminster (St. James's Park)	x	x	x	47	32	25	-	1.7	67	88
„ (Admiralty Arch)	cm.bc	cp.bc	bmx	47	35	x	-	1.3	73	89
Camden Sq. (British Rainfall)	pc.c	bc.c	x	46	31	28	-	1.6	72	94
Kensington Palace	o	o.bcp	x	47	31	25	-	x	83 (18h)	88

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	26th Nov. 27th November 1919.	
	Stations.	Sunrise. Noon. Sunset.
Total 22.9 Joules.	Yarmouth...	G.M.T. G.M.T. G.M.T.
	Greenwich	7.34 11.40 3.46
Average Rate. 7.5 Milliwatts.	Wick	7.36 11.41 3.45
	Valencia	7.37 11.47 3.57
Maximum Rate. 21.		7.39 11.48 3.56
		8.27 11.59 3.31
		8.30 12.0 3.29
		8.20 12.28 4.36
		8.22 12.29 4.35

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

Stations.	26th Nov. 27th November 1919.		
	Sunrise.	Noon.	Sunset.
Yarmouth...	G.M.T. G.M.T. G.M.T.		
Greenwich	7.34 11.40 3.46		
Wick	7.36 11.41 3.45		
Valencia	7.37 11.47 3.57		
	7.39 11.48 3.56		
	8.27 11.59 3.31		
	8.30 12.0 3.29		
	8.20 12.28 4.36		
	8.22 12.29 4.35		

NOTES ON THE WEATHER OF YESTERDAY.

Showers fell generally, especially in the north. The largest rainfall since 7 a.m. yesterday was 10 mm. at Stornoway. Hail fell locally in the west, and sleet at Eskdalemuir. Lightning was seen at night at Dungeness. Sunshine measurements were variable, but about 5 hours were experienced in several parts of the country, 6 hours at Paignton. Temperature reached 50° in SW. England, but in the north the maxima were in the neighbourhood of 40°. At night the temperature in the screen fell to about 32° in several districts.

† Air Ministry Station.

* Information for these columns not usually received.



pa

§ Longside † at In

1- 996-4
1- 400

SUMMARY OF CONDITIONS AT 7 A.M.

Thursday, 27th November, 1919.

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	SE NE 0-10	Cold	Cloudy or dull; local mist and fog.	Variable	Slight
2. E. England	N-E 0-5.	V. cold.	Variable cloud; much mist and fog; local frost	V. poor	Smooth
3. E. Midlands	N-NE 2	Cold	Cloudy; misty.	"	"
4. W. Midlands	NE 0-5	"	Cloudy.	"	"
5. S.W. England	NW NE 10-25.	"	Variable cloud.	Indiff.	Mod.
6. South Wales	N-NE 2	"	Fine or cloudy.	V. good	Smooth
7. North Wales	NE 10-20.	r. cold	Cloudy or dull.	Fair.	Mod.
8. N.W. England	NNE 10-15.	"	Fair or cloudy.	"	Slight
9. N. Midlands	N-NE 2-5	"	Fair or cloudy.	"	"
10. N.E. England	NNW-NE 15-20	"	Fair to dull; local rain	Ordinary	Mod.
11. E. Scotland	N-NE 5-15	"	Fair or cloudy; local rain and squalls.	Good	Slight
12. S.W. Scotland	N-NNE 10-25	"	Fine to cloudy.	V. good.	Mod.
13. Isle of Man	NE 20.	"	Fair.	"	r. rough
14. N. & N.W. Scotland	N-NE 5-10.	cold.	Fair to dull; local rain hail and mist.	Ord.	Slight.
15. Hebrides	N. 5-10.	"	Fair to dull.	Fair	Slight.
16. Orkneys and Shetlands	N-NE 20-40.	r. cold.	Dull; mist and drizzle at Shetlands.	Poor.	r. rough
17. N.W. Ireland	N. 10.	"	Cloudy.	Fair.	Mod.
18. N.E. Ireland	N-NE 10-20	"	Fair or cloudy; local squalls.	Fair	Mod.
19. S.E. Ireland	NW-NE 2-10	"	Cloudy or dull; local rain and fog.	Variable	Slight
20. S.W. Ireland	NNW-NNE 10-15	cold	Fair or dull; local showers.	V. good	Smooth



EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by arrow 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.—Temperature is given in degrees F.
WEATHER SYMBOLS.
 ☉ clear sky. ☁ sky + clouded. ☂ sky + clouded. ☄ sky + clouded.
 ☁ overcast sky. ☂ rain falling.
 * snow. ▲ hail. ☁ fog. ☁ fog.
 T thunder. T thunderstorm.
SEA DISTURBANCE.—
 Rough High

GENERAL INFERENCE from observations received up to 9 A.M.

The shallow depression over N.W. France is moving South, and the trough of relatively low pressure extending to the North Sea is practically stationary. Little change is anticipated in the general conditions.

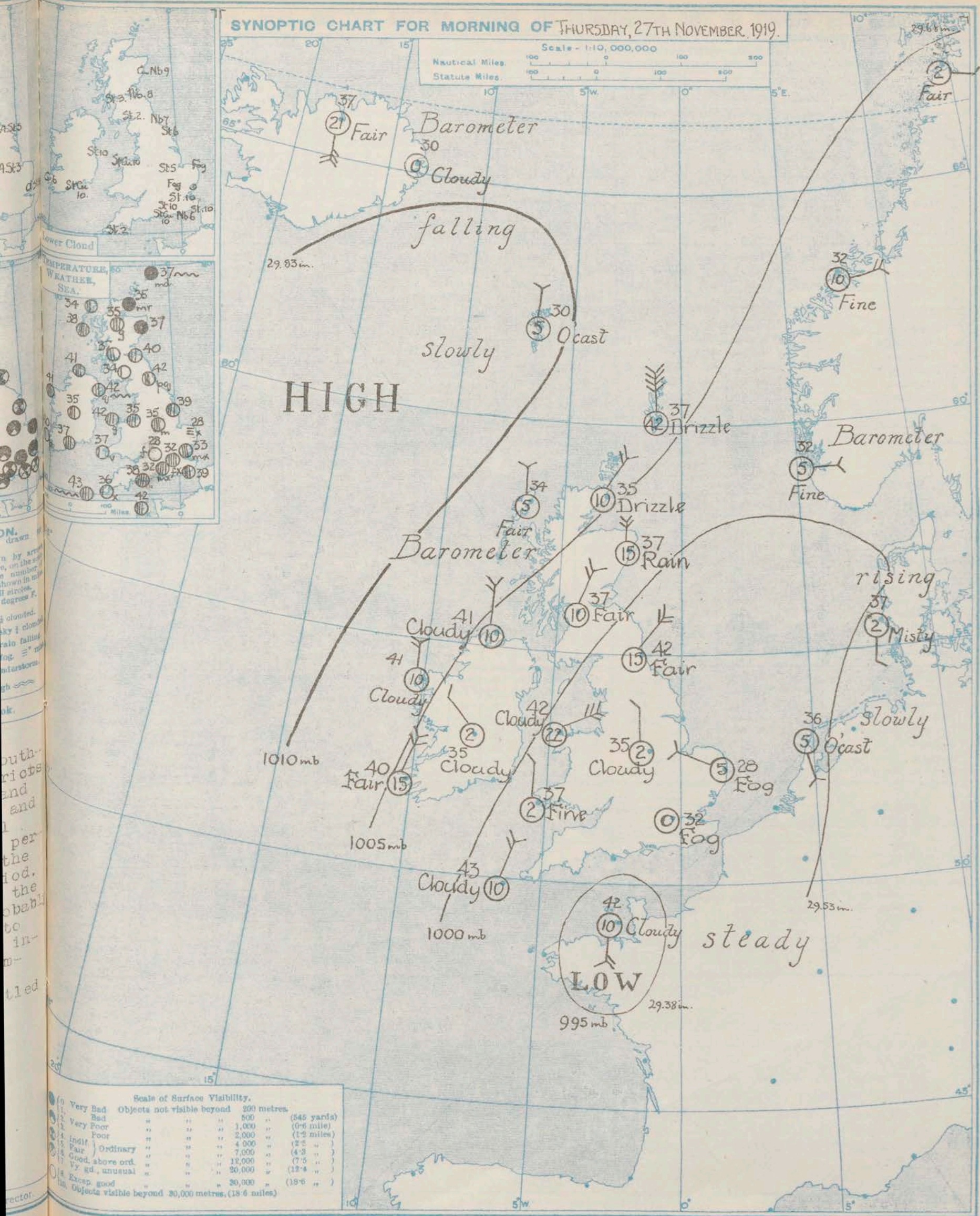
Districts.	Forecasts for the 24 hours commencing 3 p.m.
1. S.E. England	Calms and light variable breezes; Mostly cloudy or dull, perhaps local showers. Mist or fog in many places. Cold.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	Wind between N. and N.E. light or moderate; Cloudy. Local showers. Cold.
6. South Wales	
7. North Wales	Wind between N. and N.E., moderate or fresh. Cloudy with fairer intervals. Showers of rain, hail or sleet. Cold.
8. N.W. England	
9. N. Midlands	
10. N.E. England	
11. E. Scotland	
12. S.W. Scotland	Light or moderate Northerly winds, backing somewhat later. Mostly cloudy. Some rain or sleet showers. Cold.
13. Isle of Man	
14. N. & N.W. Scotland	
15. Hebrides	Strong Northerly winds, decreasing and backing later. Cloudy or dull. Some rain or sleet showers. Cold.
16. Orkneys and Shetlands	
17. N.W. Ireland	Same as 14 - 15.
18. N.E. Ireland	Same as 5 - 6.
19. S.E. Ireland	
20. S.W. Ireland	

Further Outlook.
 In the South-Eastern Districts light winds and cold, misty, and probably dull weather will persist beyond the forecast period. In the North the wind will probably back slowly to West with an increase of temperature and cloudy unsettled weather.

Scale - 1:10,000,000

Nautical Miles. 100 0 100 200

Statute Miles. 100 0 100 200



Scale of Surface Visibility.

10	Very Bad	Objects not visible beyond	200 metres	
11	Bad	"	500 "	(545 yards)
12	Very Poor	"	1,000 "	(0.6 mile)
13	Poor	"	2,000 "	(1.2 miles)
14	Indif.	"	4,000 "	(2.5 "
15	Fair	Ordinary	7,000 "	(4.3 "
16	Good, above ord.	"	12,000 "	(7.5 "
17	Vy. gd., unusual	"	20,000 "	(12.4 "
18	Except. good	"	30,000 "	(18.6 "
19	Objects visible beyond	30,000 metres,	(18.6 miles)	

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 331 B

Thursday
27th November

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

STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.	STATIONS.		WEATHER.		TEMPERATURE.		RAINFALL.		SUNSHINE.
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 12h-9h. 25 th	Day. 9h-12h. 26 th	Sunrise to Sun- set 26 th			Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 12h-9h. 25 th	Day. 9h-12h. 26 th	Sunrise to Sun- set 26 th
Scotland.	Oban	b.	bc	41	31	-	-	1.7	England, N.W.	Douglas (I.O.M.)							
	Banff	bc	or	43	29	1	2	1.7		Blackpool	o.	c.	43	34	0.2	-	1.3
	Montrose									Southport	To.c	bc.bc.b	41	34	1	0.2	0.8
	St. Andrews	x.	x.	43	28	-	-	2.6									
England, N.E.	Harrogate	op.	bc.o	44	35	1	1	0.2	Midlands.	Buxton	bc.c.b	bc.m.cm	37	32	6	-	0.1
	Skegness	b.bc.2.o	o	40	33	-	0.1	0.4		Leamington Spa...	b.bc	c.b.orn	45	31	-	-	4.7
	Scarboro	-	-	46	42	-	0.4	0.5		Malvern							
										Ross-on-Wye	bc.m	bc	45	34	0.3	-	4.7
England, E.	Felixstowe	bc.	bc.m	43	32	-	-	4.4	Wales.	Rhyl	T.	cp.c	42	33	8	0.4	0.1
	Walton-on-Naze...									Colwyn Bay	x.	x.	42	35	2	-	1.7
	Southend-on-Sea...	mx.b	bm	45	31	0.1	-	5.4		Llandudno	op.	o	42	37	2	1	0.2
										Aberystwyth	To.c	bc.o	45	39	x.	x.	3.5
England, S.E.	Margate	x.	x.	45	34	-	-	6.3	England, S.W.	Weymouth	bc	cp.bc	46	36	-	0.3	1.7
	Ramsgate	bc	bc	-	-	-	-	5.9		Teignmouth							
	Folkestone	fx.m.bc	bc.v.bc	46	38	-	-	5.1		Torquay	x.	x.	43	35	-	1	x.
	Hastings	b.	bc.op	46	34	-	0.3	4.4		Paignton	bc.p	bc.p.bc	44	33	-	0.4	2.7
	Eastbourne	x.	x.	45	35	0.2	1	3.9		Penzance	cp.r	cp.rh	46	?	1	1	2.0
	Brighton	b.bc	bc.c.2	46	30	-	-	4.3		Newquay	op.hg/b	bc.pq/b	44	39	1	3	1.8
	Worthing	b	bc.c.o	46	30	-	-	6.0		Bude	c.bcph	cp.h	50	35	3	3	1.0
	Littlehampton	x.	x.	47	37	-	-	6.0		Ilfracombe	bc.p	cp.bc	42	39	3	1	1.2
	Bournemouth	x.	x.	44	33	-	-	4.2		Weston-s-Mare	cp.c	bc	43	35	-	-	1.0
	Tonbridge Wells	b.	b.bc.b	46	30	-	-	5.8									

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.				Max. Temp. °F.	Min. Temp. °F.	Min. on Grass. °F.	RAINFALL.		Sun. Hours.
	7h-12h 25th.	12h-12h 26th.	12h-12h 27th.	1h-7h 27th.				Day. 7h-12h.	Night. 12h-7h.	
†Houton Bay (Orkney)...								*	*	*
Eskdalemuir ...	o.c.bc.b	bc.r.s.	or.m.s.oe.	or.m.a.bc	38	33	31	1	5	2.3
†Stranraer ...	q.bc.c	b.bc.b.bc						*	*	*
†Lough Foyle ...								*	*	*
Valencia (Cahirveen) ...	c.op.h	c.bc		bc.p	43	38	36	2	1	1.2
†Anglesey (Llangefnoi) ...	r.c.o	c.o	o.g.	o	42	36	*	*	*	*
Falmouth ...	ch.bc.b	bc.oh.b	b.l.x	b.x	45	33	28	1	trace	2.3
†Calshot (Hants) ...	b.c	bc.c			45	35	*	*	*	*
†Capel (Folkestone)...	b.bc	bc.c.p.d.o	b.o.f.h.	cp.r.h.	41	34	*	*	*	*
Aberdeen ...	b.bc	bc.c.p	bc.pq.o		41	35	32	2	0.2	2.2
†East Fortune ...	bc.c.v	c.op	rh. q	c.o	42	37	*	*	*	*
†Flamborough Head ...	c.o.3	c.op	c.m		43	36	*	*	*	*
†Felixstowe ...	3	c.o.2	f.x		43	25	*	*	*	*
†Cranwell (Lincs) ...	p.bc.c	c.o	o.om.	o.3	39	32	*	*	*	*
†Bedford ...	b.bc.3	b.x	b.bc.f.x		42	25	*	*	*	*
Benson ...	b.bc	b	bc.m		43	25	19	-	-	*
London (Kew Obs.) ...	bc.3.mn.bc.mn.bm		bc.m	b.f.x.o.f.x	43	26	25	trace	-	5.3

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, f.s., 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.

SYMBOLS—

Aurora ☄ Solar halo ☄
Rime ☄ Lunar halo ☄
Glazed frost ☄ Solar corona ☄
Glazed roads ☄ Lunar corona ☄

LONDON OBSERVATIONS.

	Morning.	Afternoon.	Night.	10 h. G.M.T.	9 h. G.M.T.	8 h. G.M.T.	mm.	Hours.	G.M.T.	G.M.T.
	24 HOURS ENDED 9h G.M.T. ... 27 th							YESTERDAY.		TO-DAY.
Greenwich (Royal Observatory)	b.c	c	b. of x	43	27	20	-	5.2	72	88
City (Bunhill Row)	*	*	*	*	*	*	*	0.5	*	*
Westminster (St. James's Park)	*	*	*	42	31	24	-	2.3	78	89
" (Admiralty Arch)	b.c.m	b.c.m	f.b.m.b.m.f.x	44	23	*	-	1.3	78	90
Camden Sq. (British Rainfall)	b.m.bc	b.c.c	*	41	27	24	0.2	0.3	83	96
Kensington Palace	b.bc	b	*	43	29	-	0.2	*	95 (8h)	92

SOUTH KENSINGTON (Meteorological Office).

Vertical Component of Solar Radiation per Square Centimetre during yesterday.	HUMIDITY %	
	10 h. G.M.T.	9 h. G.M.T.
Total ... 22.4 ... Joules.		
Average Rate. 75		
Maximum Rate. 17.		

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

27th & 28th November ... 1919.			
Stations.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth...	7.36	11.41	3.45
Greenwich	7.38	11.41	3.44
	7.39	11.48	3.50
Wick ...	7.41	11.48	3.58
	8.30	12.0	3.25
Valencia ...	8.33	12.0	3.27
	8.22	12.25	4.35
	8.24	12.25	4.34

NOTES ON THE WEATHER OF YESTERDAY.

Showers fell in most places except in the S.E. Rainfall measurements were small except locally in the N.E. Lerwick had 15 m.m. and Wick 12 m.m. There was hail or sleet in many places in the West and North, and lightning was seen at night in S. W. England and Central Ireland. About six hours of bright sunshine were experienced in the South-East, but elsewhere the records were variable. Temperature remained below 45° except in S.W. England. Frost occurred at night in the Midlands and South-East, minimum of 26° in the screen being registered at several stations.

† Air Ministry Station.

* Information for these columns not usually received.



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

No. 21,998 FRIDAY, 28TH NOVEMBER, 1919.

OBSERVATORIES AND STATIONS CONTRIBUTING REPORTS AT 1H, 7H, 13H AND 19H.																											
STATIONS	Barom.	†	WIND.		Weather	Temp.	Humidity.	Visibility.	Height of Low Cloud.	Low Cloud.	Upper Cloud.	Sea	Barom.	†	WIND.		Weather	Temp.	Humidity.	Visibility.	Height of Low Cloud.	Low Cloud.	Upper Cloud.	Sea			
	at M.S.L.	Change in 3 hours.	Dir.	Force		°F.	%	0-10.	Feet.	Form.	Amt. 0-10.	Form.	Amt. 0-10.	0-9.	at M.S.L.	Change in 3 hours.		Dir.	Force	°F.	%	0-10.	Feet.	Form.	Amt. 0-10.	Form.	Amt. 0-10.	0-9.
	m.b.			0-12.										m.b.			0-12.										
13H. G.M.T. 27 th														19H. G.M.T. OF 27 th													
†Houton B. (Orkney)	1001.6	+1	NNE	5	crsp	36	82	6	1½-2000	st.	8	ci	1	1001.1	-0	NNE	3	6	32	87	7	-	st. cu	2	-	-	*
Eskdalemuir ...																										*	
†Stranraer ...																										*	
†Lough Foyle ...																										*	
Valencia (Cahire'n)	1002.6	-2	NE	4	b	41	82	8	1½-2000	cu	3	-	-	1001.8	-1	ENE	2	6	37	87	10	2-3000	cu	2	-	-	3
†Anglesey (Llangefel)	999.4	-2	ENE	3	o	41	82	6	2-4000	st. cu	6	A. cu	1	999.6	-1	ENE	3	o	40	82	-	1½-2000	st.	9	-	-	3
Falmouth ...	997.4	-2	N	3	bc	42	65	6	-	st.	3	A. cu	3	997.1	0	N	2	cz	37	87	4	-	st. cu	7	-	-	*
†Calshot (Hants) ...														999.6	+2	NE	1	o	36	98	2	2-3000	st.	10	-	-	3
†Capel (Folkestone)	997.4	-2	SE	2	o	38	92	6	½-1000	cu. Nb	10	-	-	997.3	0	-	0	b	32	82	6	2-3000	st. cu	2	-	-	?
Aberdeen ...	1002.2	-2	N	3	bc	38	82	8	-	cu. Nb	1	Fa. cu	3	1002.2	-1	NW	3	bc	36	92	7	-	cu. Nb	4	-	-	3
†East Fortune ...	1002.2	0	NNE	4	bcv	40	87	8	3-4000	st. cu	6	-	-	1001.0	-1	NNE	3	bc	37	87	-	2-3000	Nb	4	-	-	*
†Flamboro' Head	996.4	0	ENE	4	opq	39	87	8	1-1500	Nb	7	A. st	3	999.7	0	NNE	3	od	38	92	6	2-3000	st. cu	7	A. st	2	*
†Felixstowe ...	999.5	+1	NNE	1	om	31	98	3	3-4000	Fa. cu	9	-	-	998.5	0	NNE	1	bc	34	98	1	3-4000	cu	4	A. st	2	2
†Cranwell (Lines)	997.3	-2	WNW	1	or	37	98	4	1-1500	Nb	10	-	-	997.6	0	SE	1	o	37	98	3	2-3000	st.	10	-	-	*
†Bedford ...	997.8	-1	SSW	1	om	36	87	2	1-1500	st.	10	-	-	997.5	0	?	1	bx	31	98	2	-	-	A. cu	2	*	
Benson ...	997.2	-2	-	0	efz	32	98	2	-	-	-	-	-	997.2	-1	NE	1	bc	32	98	3	-	st.	5	-	-	*
London (Kew Obs)	997.2	-2	N	1	ofx	33	92	1	4500	st.	10	-	-	997.5	0	NE	1	om	35	92	2	4500	st.	10	-	-	*
1H. G.M.T. OF 28 th														7H. G.M.T. OF 28 th													
†Houton B. (Orkney)	1000.5	0	N	3	bx	30	92	7	-	-	-	-	1000.6	+1	NE	3	ox	33	87	0	1-1500	st	10	-	-	*	
Eskdalemuir ...																										*	
†Stranraer ...																										*	
†Lough Foyle ...																										*	
Valencia (Cahire'n)	1001.4	-1	WNW	2	bc	33	*	*	*	*	*	*	4	998.1	-1	NE	2	bc	34	87	7	-	st	2	ci	3	0
†Anglesey (Llangefel)	998.7	0	ENE	2	o	39	92	?	½-1000	st	9	-	-	998.7	0	E	2	bc	34	98	-	2-3000	st. cu	5	-	-	4
Falmouth ...	997.5	0	N	2	b.	33	87	5	-	-	-	-	-	998.2	+1	N	2	bcsm	32	92	4	-	cu	6	-	-	*
†Calshot (Hants) ...														?	+1	ENE	1	o	35	98	2	½-2000	st	10	-	-	3
†Capel (Folkestone)	998.4	+2	SE	2	bc	35	98	6	1½-2000	cu	6	-	-	999	+1	SE	2	c	30	98	8	1½-2000	st. cu	10	-	-	3
Aberdeen ...	1000.4	+1	NE	3	or	36	92	-	½-2000	Nb	10	-	-	1002.9	+1	NNW	2	3,	36	98	6	-	cu. Nb	7	-	-	2
†East Fortune ...														1000.4	0	-	0	b	32	92	6	2-4000	st. cu	1	-	-	*
†Flamboro' Head														1000.2	+2	W	2	om	33	87	4	3-4000	st. cu	7	A. st	3	*
†Felixstowe ...														1000.5	+4	N	1	fz	34	98	2	-	-	A. st	8	4	
†Cranwell (Lines)	999.5	0	SSE	1	o	30	98	3	1½-2000	st	10	-	-	1000.7	+2	-	0	ofz	32	98	2	½-1000	st	10	-	-	*
†Bedford ...	998.2	-1	?	?	os.	32	98	0	½-1000	st	10	-	-													*	
Benson ...	*	*	*	*	*	*	*	*	*	*	*	*	*	998.8	+2	NE	1	em	30	98	3	-	-	-	-	-	*
London ...	997.8	*	*	*	*	*	*	*	*	*	*	*	*	999.9	+2	-	0	om	33	92	2	-	st	10	-	-	*
(M.O. at 1H.)																										*	
STATIONS CONTRIBUTING REPORTS AT 7H AND 19H.																											
STATIONS.	Barom.	TEMP.	WIND.		Weather	BAROMETER.		TEMPERATURE.		WIND.		Dirac. of Upper Cloud.	Weather.	Sea	Rainfall	TEMP.		WEATHER.			Sunshine						
	at M.S.L.	°F.	Dir.	Force		at M.S.L.	Change in 3 hours.	Temp. °F.	Change in 24 hours.	Dir.	Force					Max. °F.	Min. °F.	Morning.	Afternoon.	Night.		Hours.					
	m. b.	°F.		0-12.	m. b.	Change in 3 hours.	°F.	Change in 24 hours.		0-12.					mm.												
19H. G.M.T. of 27 th										7H. G.M.T. of 28 th										24 HOURS ENDED 7H. 28 th							
Lerwick ...	1005.3	39	NNE	5	omq	1006.3	+1	58.7	0	-	0	-	om	0	6	41	36	rhp	ompq	cm	*						
Stornoway ...	1005.1	35	ENE	1	b	1003.3	0	32	-2	NE	1	-	bc	1	4	37	32	op	oph.b	cp. bc	0.0						
Castlebay (Barra Is)	1003.8	39	NNE	3	bc	1002.0	0	38	0	ENE	2	E	b	2	0.4	39	37	op. 0	o. bc	bc. b	0.0						
Glasgow ...	1002.6	33	NE	1	bz	1002.2	+1	31	-6	ENE	1	E	osp	*	trace	39	28	bc. bv	6. bc. x	bx. osp	4.7						
Malin Head ...	1001.1	40	NE	2	c	999.9	0	34	-7	NE	2	-	bc	2	-	44	34	c	c	bc	1.5						
Blackod Point	1002.2	39	NE	2	bc	999.0	-1	35	-6	-	0	-	bc	2	-	43	30	bc	bc	bc	*						
Roche's Point...	1000.7	37	NNE	2	b	998.5	-1	31	-6	NNE	1	-	b	1	0.2	42	30	op. bc	bc. b	bx	*						
Birr Castle ...	1001.0	30	NW	1	bc	999.5	8	25	-10	NW	1	-	b	*	-	41	25	c. b	bc. x	bx	5.1						
Donaghadee ...	1002.3	42	NE	4	bm	1000.7	+1	41	-1	E	4	-	bg	4	-	43	33	bcsm	bm	b	*						
Liverpool (Bidston)	997.7	38	NNE	3	r	998.7	+1	37	+2	ENE	2	-	og	2	1	40	35	bc. o	c. op	op	2.1						
Holyhead ...	998.5	42	NE	5	bc	998.2	0	39	-3	NE	4	-	b	3	3	46	37	cph	cph	cbc. c. b	2.4						
Pembroke (St. Ann's Head)	998.3	37	NE	2	b	998.5	+1	37	0	NE	1	-	bc	1	-	42	36	bc. b	b	b	4.2						
Scilly (St. Mary's)	998.5	42	NNW	2	c	998.2	0	38	-5	-	0	-	bc	3	7	46	36	bc	cp	cp. bc	1.9						
Jersey (St. Aubin)	998.0	41	SE	3	c	997.9	0	41	-1	WSW	2	SW	bc	2	0.1	45	31	c. o	o. bc. c	op. b. c	2.5						
Portland Bill ...	996.1	37	NE	4	c	997.3	+2	37	-1	ENE	3	-	o	3	10	39	33	or	or. c	c. o	*						
Dungeness ...	996.3	40	SE	3	bc	998.3	+1	39	0	SSE	3	-	r	3	0.3	45	32	c	c. bc	cp. or	*						
Wick ...	1003.0	38	N	2	bc	1002.9	0	+1	+6	ENE	2	-	bc	3	6	42	34	ump	bc	om. bc	*						
Nairn ...	1002.9	33	N	1	s	1003.1		32	-3	-	0	-	bcg	1	6.2	38	31	chnpg	hp. c. os	sp. so	0.0						
Leith ...	1001.2	38	NNE	2	b	1000.3	0	36	-4	NE	2	-	r	2	0.4	40	33	bc. c. b	bc. c. b	bc. c. or	*						
Tynemouth ...	999.1	43	ENE	4	bc	1000.2	+4	35	-7	SW	1	-	of	2	trace	43	34	bcpg	bcpg	op. bc. m	*						
Spurn Head ...	996.6	38	SE	4	f	999.5	+2	35	-4	NNW	2	-	em	3	-	40	33	ogm	og	og. em. g	*						
Yarmouth (Nor. obs.)	998.0	30	-	0																							

* Air Ministry Station.

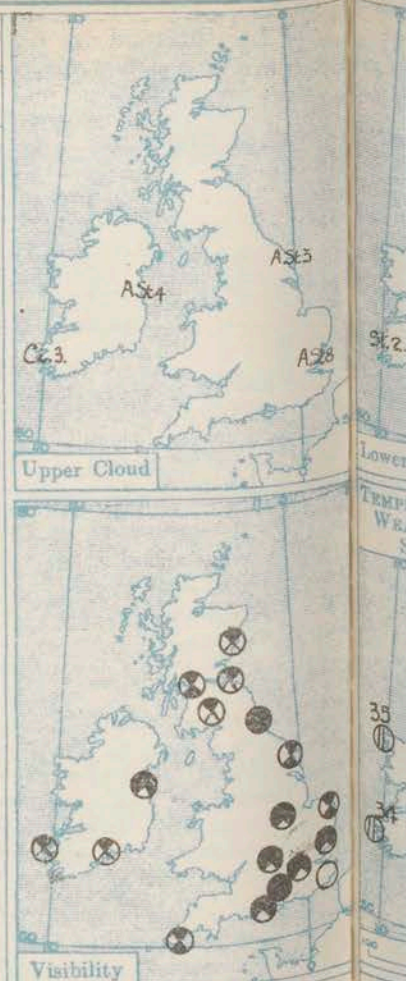
* Information for these columns not usually received.

* The barometric change is expressed in half millibars.

* Inside ...

SUMMARY OF CONDITIONS AT 7 A.M. Friday, 28th November, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	NE-SE. 0-10	R. cold	Dull, local rain, inland mist and fog.	Poor	Slight
2. E. England	NW-NE. 0-5	"	Cloudy or dull, local fog, rain and sleet.	"	"
3. E. Midlands	NE-E. 2	Cold	Dull, misty.	"	"
4. W. Midlands	NE-E. 0-5	"	Cloudy or dull, misty.	"	"
5. S.W. England	N-E. 0-10	"	Fair or dull.	Indiff.	Slight
6. South Wales	NE. 2	"	Fair or cloudy.	Fair	Smooth
7. North Wales	NE-E. 5-15	R. cold	Fine or fair.	"	Slight
8. N.W. England	NE-E. 5-10	"	Cloudy or dull.	"	Smooth
9. N. Midlands	Var. 0-5	"	Dull.	"	"
10. N.E. England	SW-NW. 2-5	"	Cloudy or dull, mist and fog.	V. poor	Smooth
11. E. Scotland	NW-NE. 0-5	"	Variable sky, local rain.	Good	Smooth
12. S.W. Scotland	NE. 0-10	"	Cloudy or dull, local frost and snow.	Fair	Slight
13. Isle of Man	E. 10	"	Fair	"	"
14. N. & N.W. Scot- land	E-NE-ESE. 2-5	"	Fair	Fair	Smooth
15. Hebrides	NE. 2-5	"	Fine or fair.	"	"
16. Orkneys and Shetlands	E. 0-5	"	Fair or dull, mist at Shetlands.	Indiff.	"
17. N.W. Ireland	NE. 0-5	Cold	Fair.	Fair	"
18. N.E. Ireland	NE-E. 5-15	R. cold	Fine or fair; squalls locally.	"	Slight
19. S.E. Ireland	Var. 0-2	V. cold	Fine or cloudy.	Indiff.	Smooth
20. S.W. Ireland	NE. 2-5	"	Fine or fair.	Good	Smooth



EXPLANATION.
BAROMETER.—Isobars are drawn for 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 & clouded.
 ⊙ sky & clouded. ⊙ sky & clouded.
 ⊕ overcast sky. ⊕ rain falling.
 * snow. ▲ hail. ≡ fog. ≡ mist.
 T thunder. F thunderstorm.
SEA DISTURBANCE.— Rough High

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

Pressure is now very uniform and no important changes are in progress. The weather will remain dull and misty with local rain in the east, but fine in some western districts and in Ireland.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Friday, 28th November.1919
1. S.E. England	Light variable winds. Dull. Slight rain or sleet locally. Much mist and fog. Cold.
2. E. England	
3. E. Midlands	
4. W. Midlands	
5. S.W. England	Light NE. winds. Fair to cloudy. Mist locally. Cold.
6. South Wales	
7. North Wales	
8. N.W. England	
9. N. Midlands	Same as for 1-4
10. N.E. England	
11. E. Scotland	Light NE. winds. Dull, some rain or sleet. Cold.
12. S.W. Scotland	Light NEly. breezes. Fine in extreme west. Some cloud and local rain or snow showers elsewhere. Cold.
13. Isle of Man	Same as for 5-8
14. N. & N.W. Scotland	
15. Hebrides	Calms and light winds between E. and NE. Fair to cloudy. Perhaps a few slight showers of rain or snow. Cold.
16. Orkneys and Shetlands	
17. N.W. Ireland	Same as for 20
18. N.E. Ireland	Light winds between E. and N. Fair to cloudy. A few local rain or snow showers. Cold.
19. S.E. Ireland	
20. S.W. Ireland	Light winds between E. and N. Fair or fine. Cold, night frost.

SYNOPTIC CHART FOR MORNING OF FRIDAY, 28TH NOVEMBER, 1919.

LOW

Nautical Miles
Statute Miles

Scale - 1:10,000,000

1000mb

35
2 Fair

30
Fine

1005mb

34
Fair

Barometric

1005mb

32 Fair 2

41 Fair 5

36 Cloudy 5

Barometer

34 Fair 5

31 Ocalt 2

1000mb

35 Fair 0

Changes

35 Ocalt 2

25 Fine 2

39 Fine 15

35 Cloudy 5

36 Ocalt 15

34 Fair 5

37 Fair 2

LOW

36 Rain

rising

33 Ocalt 0

38 Fair 0

slight

41 Fair 5

29.53 in.

Scale of Surface Visibility.

0	Very Bad	Objects not visible beyond 200 metres (545 yards)
1	Bad	" " " 500 " (545 yards)
2	Very Poor	" " " 1,000 " (0.6 miles)
3	Poor	" " " 2,000 " (1.2 miles)
4	Indif.	" " " 4,000 " (2.5 ")
5	Fair	" " " 7,000 " (4.3 ")
6	Good, above ord.	" " " 12,000 " (7.5 ")
7	Vy. gd., unusual	" " " 20,000 " (12.5 ")
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. 332 B

Friday,
28th November

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 27th																							
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.					
		Forenoon.	Afternoon.	Max. °F.	Min. °F.	Night. 17h-24h. 26th.	Day. 9h-17h. 27th.	Sunrise to Sunset. 27th.	Forenoon.			Afternoon.	Max. °F.	Min. °F.	Night. 17h-24h. 26th.	Day. 9h-17h. 27th.	Sunrise to Sunset. 27th.						
Scotland.	Oban ...	bc	b.bc	40	32	-	-	5.8	England, N.W.	Douglas (I.O.M.)													
	Banff ...	bcp	bc.op	42	35	1	1	1.5		Blackpool ...	c	c	41	34	1	-	0.5						
	Montrose ...									Southport ...	bc.c.op	c.op.c	40	33	-	0.2	0.3						
	St. Andrews ...																						
England, N.E.	Harrogate ...	o.c.op	op.c	37	33	3	0.2	0.0	Midlands.	Buxton ...	bc.e.bc	bc.c.bc	36	32	0.1	0.1	0.1						
	Skegness ...	z bc.o	o	39	30	-	-	0.7		Leamington Spa...	o.c.b.	o	39	31	-	-	0.0						
	Scarborough ...			42	38	4	5	0.1		Malvern ...	m	m	38	35	-	-	0.1						
										Ross-on-Wye ...	of	of.cmf	39	33	-	-	0.0						
England, E.	Felixstowe ...	of	of	34	26	-	-	0.0	Wales.	Rhyl ...	c	ch	42	34	-	0.2	0.3						
	Walton-on-Naze...									Colwyn Bay ...	-	-	42	39	-	2	0.0						
	Southend-on-Sea...	fho	ofe	35	31	0.4	1	0.0		Llandudno ...	o	oh	44	40	-	1	0.0						
										Aberystwyth ...	o.c.	bc.o	43	37	-	-	4.5						
England, S.E.	Margate ...	c	c.bc.c	41	34	1	-	1.8	England, S.W.	Weymouth ...	h.c.o	o	38	35	1	0.4	0.0						
	Ramsgate ...	c	c	44	33	4	-	1.0		Teignmouth ...													
	Folkestone ...	v.o.	c	44	36	4	-	1.0		Torquay ...	bc.c.o	o.c.	40	36	-	-	0.0						
	Hastings ...	or.bc	o.bc	44	36	5	0.4	1.8		Paignton ...	bc.o	oh.o	39	35	-	-	0.0						
	Eastbourne ...	c	ch.c	46	36	11	3	1.4		Penzance ...	chro.	c.o.	45	36	2	0.4	1.2						
	Brighton ...	oh	h.o.	41	35	15	5	1.2		Newquay ...	bc.op	ogu	42	35	1	1	2.0						
	Worthing ...	bc	ro	41	35	12	1	3.0		Bude ...	o	o	45	37	-	-	0.4						
	Littlehampton ...	-	-	45	36	9	8	0.0		Ilfracombe ...	o	o	43	41	-	-	0.0						
	Bournemouth ...	o	o	37	34	2	-	0.0		Weston-s-Mare ...	ombc	cm	40	32	-	-	0.0						
	Tunbridge Wells	ors.o	c.of	40	30	1	2	0.4															
SUMMARIES FOR PAST 24 HOURS.																							
STATIONS.		WEATHER				Max. Temp. °F.		Min. Temp. °F.		Min. on Grass °F.		RAINFALL.		Sun. Hours.									
		7h-18h 27th.	18h-18h 27th.	18h-24h 27th.	18h-24h 27th.	7h-18h 27th.	18h-18h 27th.	7h-18h 27th.	18h-18h 27th.	7h-18h 27th.	18h-18h 27th.												
†Houton Bay (Orkney)...																							
Eskdalemuir ...		bosp.bc	or.sp.c	b.b.c	b.b.c	37	28	2.1	0.2	trace	5.1												
†Stranraer ...																							
†Lough Foyle ...																							
Valencia (Cahirciveen) ...		bcp.b	b		bm.c	42	34	30	1	-	5.7												
†Anglesey (Llanegwini) ...		c.opd	or.	o.r.	b.bc	42	34																
Falmouth ...		bxz.bc	cz	bcz	bxm	44	30	22	-	-	4.3												
†Calshot (Hants) ...			o		o	35	35																
†Capel (Folkestone)...		pdv	c.o	b.o.p.	cv	38	32																
Aberdeen ...		b.bc	bcp		bc.op	38	34	30	0.1	1	3.3												
†East Fortune ...		b.bev	b.bev	h.	b.bc	40	30																
†Flamborough Head ...		pq	c.op		om.y	42	31																
†Felixstowe ...		f.x	c.ofz		o.e.f.	39	26																
†Cranwell (Lincs) ...		c.o	omr	om.y	o.o.f.	37	29																
†Bedford ...		c.oz	f.w	ofx																			
Benson ...		mx	o		oxm	33	28	25	-	0.1													
London (Kew Obs.) ...		of.op.g	of.opm		of.om	36	25	25	-	trace	0.0												
LONDON OBSERVATIONS.		WEATHER.				Max. Temp. °F.		Min. Temp. °F.		Min. on Grass °F.		Rain-fall.		Sun-shine to Sunset.		Humidity %		SOUTH KENSINGTON (Meteorological Office).		TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.			
		Morning.	Afternoon.	Night.		7h-18h 27th.	18h-18h 27th.	7h-18h 27th.	18h-18h 27th.	7h-18h 27th.	18h-18h 27th.	7h-18h 27th.	18h-18h 27th.	15h. G.M.T.	9h. G.M.T.								
		24 HOURS ENDED 9h G.M.T. 28th.																					
Greenwich (Royal Observatory)		of	of	of		35	31	30	-	0.0	87	88											
City (Bunhill Row) ...																							
Westminster (St. James's Park)						37	32	29	-	0.0	87	85											
" (Admiralty Arch)		f.x.f	f	f		37	33		-	0.0	91	91											
Camden Sq. (British Rainfall)		f.om	o			34	30	30	-	0.0	93	98											
Kensington Palace ...		ofx	ofx			36	30	24	0.2		95	94											
		YESTERDAY.																					
		TO-DAY.																					
		Vertical Component of Solar Radiation per Square Centimetre during yesterday.																					
		Total 41 Joules.																					
		Average Rate 1.4																					
		Maximum Rate 5																					
		Stations.																Sunrise.		Noon.		Sunset.	
		G.M.T.																G.M.T.		G.M.T.		G.M.T.	
Yarmouth ...		7.28																11.41		3.44			
		7.39																11.41		3.43			
Greenwich ...		7.41																11.48		3.55			
		7.42																11.48		3.54			
Wick ...		8.33																12.0		3.27			
		8.35																12.0		3.26			
Valencia ...		8.24																12.29		4.34			
		8.25																12.29		4.33			

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.

SYMBOLS—

Aurora ☄ Solar halo ☉
Rime ❄ Lunar halo ☾
Glazed frost ❄ Solar corona ☉
Glazed roads ❄ Lunar corona ☾

SOUTH KENSINGTON (Meteorological Office).

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

28th & 29th November, 1919.			
Stations.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth...	7.23	11.41	3.44
Greenwich	7.39	11.41	3.43
Wick	7.42	11.48	3.54
Valencia ...	8.33	12.0	3.27
	8.35	12.29	4.34
	8.25	12.29	4.33

NOTES ON THE WEATHER OF YESTERDAY.

Rain fell along the south coast and in the north-east of Scotland. 20 mm. fell at Brighton between 6 p.m. on Wednesday and 6 p.m. yesterday. In other regions the measurements were small, some stations reporting none. Snow or hail was experienced locally, and lightning was seen at night at Jersey. The day was cloudy or dull except locally in the west and in Ireland. Oban had 5.8 hours of bright sunshine, Valencia 5.7 hours. Fog was experienced locally in the south-east. Temperature remained low, especially in the east and north, below 45° except at some western stations, and not exceeding 33° at Benson. There was frost locally at night.

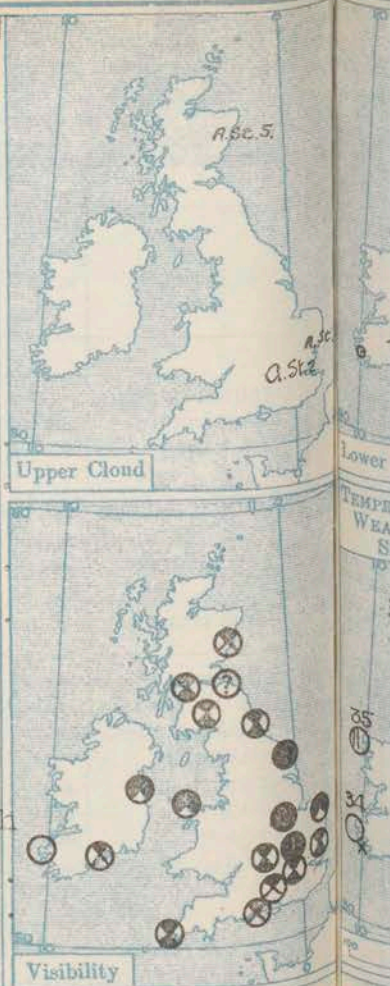


9.

The barometric change is expressed in half millibars. † Longside ‡ at 18.

SUMMARY OF CONDITIONS AT 7 A.M. Saturday, 29th Nov., 1919.

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	Var. 15-25	r. cold	Dull, some rain and sleet	Fair	Mod.
2. E. England	S-E. 0-15	"	Mainly dull; local drizzle mist and fog.	Poor	Slight
3. E. Midlands	E-ESE. 5-15	"	Dull, rain in South.	Fair	
4. W. Midlands	Var. 10-15	"	Cloudy or dull; local rain.	-	
5. S.W. England	N-W. 10-25.	"	Fair or dull.	Fair.	Mod.
6. South Wales	N. 2-10.	Cold.	Cloudy or dull.	Fair	Smooth
7. North Wales	NE-E. 5-15	"	Variable sky; local frost	Poor	Smooth
8. N.W. England	NE-E. 2-10.	r. cold.	Dull, misty.	Poor.	Smooth
9. N. Midlands	NE-E. 2-10.	cold.	Dull, misty.	-	-
10. N.E. England	S-SW. 2-10	"	Dull, foggy.	V. poor	Smooth
11. E. Scotland	NW-NE. 2-10	r. cold.	Fair or dull; local drizzle in South.	Good	Smooth
12. S.W. Scotland	NE. 0-5.	"	Dull, local mist.	Ord.	Smooth
13. Isle of Man	E. 10.	"	Cloudy or dull.	-	Smooth
14. N. & N.W. Scot- land	NW-N. 0-5.	"	Fine or cloudy; local frost.	Fair	Smooth
15. Hebrides	N. 0-10	"	Fine, local frost.	Fair.	Smooth
16. Orkneys and Shetlands	NW-N. 0-5.	"	Fair or cloud; mist at Shetlands.	Ord.	Smooth
17. N.W. Ireland	NE. 5.	Cold.	Fair or cloudy	Fair.	Smooth
18. N.E. Ireland	E. 5-10.	r. cold.	Cloudy or dull; local mist.	Indiff.	Smooth
19. S.E. Ireland	N. 0-5.	v. cold.	Dull; local frost.	Poor.	Smooth
20. S.W. Ireland	N. 0-5	v. cold.	Fine or dull; local rain	Good.	Slight

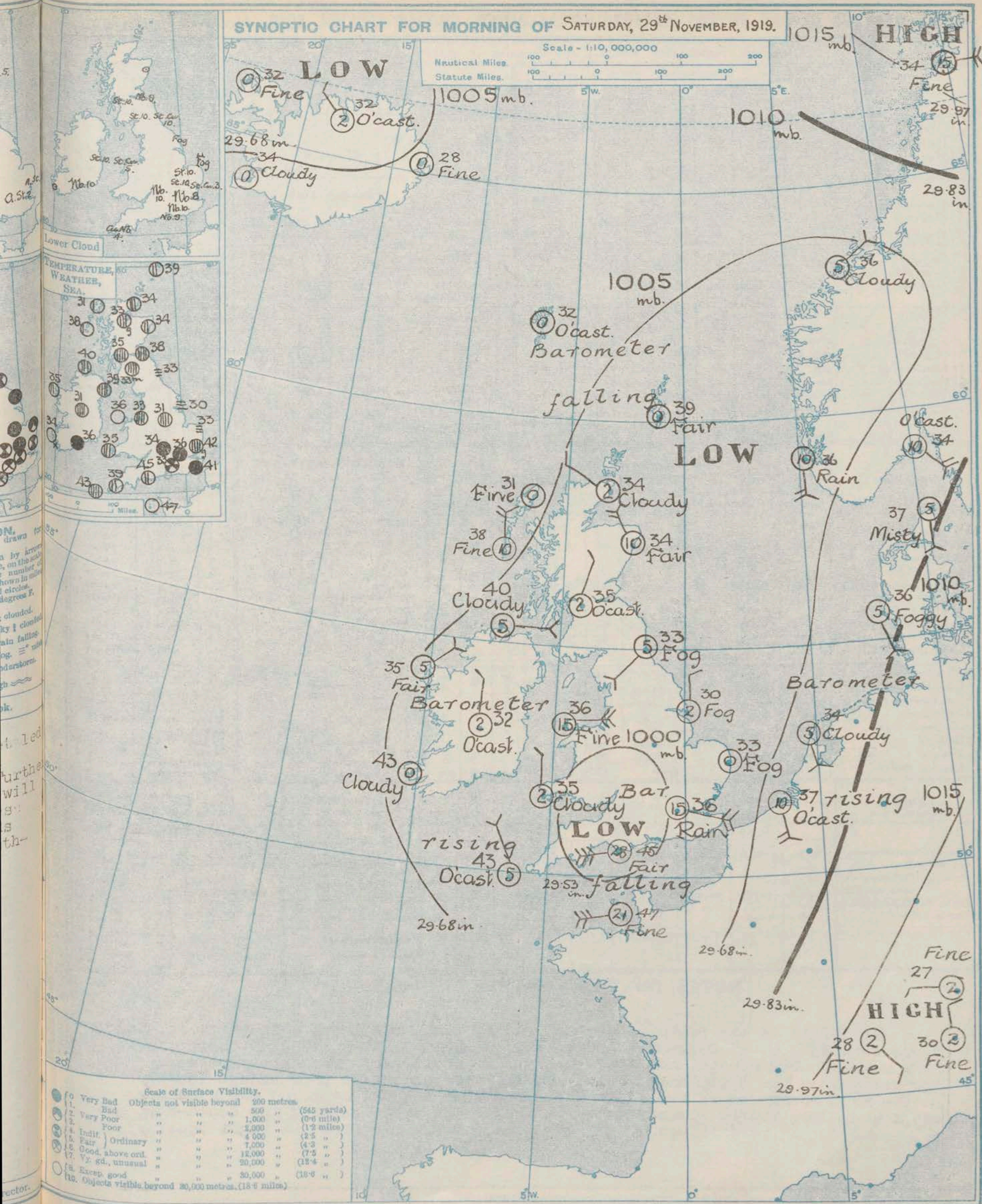


GENERAL INFERENCE from observations received up to 9 A.M.

A depression moving North-East across Southern England will probably move up the North Sea and join another depression forming between Scotland and Norway. Rain is probable in the Eastern districts, and a temporary improvement in the South.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Saturday, 29th Nov., 1919.	Further Outlook.
1. S.E. England	Wind between South-West and West, fresh to high, decreasing later. Rain or showers at first, becoming temporarily fair later. Rather cold.	Very unsettled weather will continue. Further depressions will probably cross these islands from the South-West.
2. E. England		
3. E. Midlands	Wind variable finally N.W. or W., light to fresh. Rainy at first, improving later and becoming temporarily fair. Rather cold.	
4. W. Midlands		
5. S.W. England	Moderate or fresh N.W. winds, decreasing later. Showers with fair intervals. Temporarily fair later. Rather cold.	
6. South Wales		
7. North Wales	Wind between N.E. and N., N.W. later, light to fresh. Cloudy some showers of rain or sleet. Cold.	
8. N.W. England		
9. N. Midlands	Wind mainly N.E., ^{light to fresh} backing N.W. later. Dull. Rain or sleet at times. Cold.	
10. N.E. England		
11. E. Scotland		
12. S.W. Scotland	Same as 7 - 8.	
13. Isle of Man		
14. N. & N.W. Scot- land	Wind light and variable, probably freshening from N.W. later. Fair at first. Some rain or sleet later. Cold.	
15. Hebrides		
16. Orkneys and Shetlands		
17. N.W. Ireland	Same as 20.	
18. N.E. Ireland	Wind mainly North, light or moderate. Cloudy some showers at first. Becoming fair later. Cold.	
19. S.E. Ireland		
20. S.W. Ireland	Light Northerly to variable winds. Fair or fine. Cold. Night frost.	

SYNOPTIC CHART FOR MORNING OF SATURDAY, 29th NOVEMBER, 1919.



Scale of Surface Visibility.				
	Objects	not visible beyond	200 metres.	
0	Very Bad	"	"	500 "
1.	Bad	"	"	1,000 "
2.	Very Poor	"	"	2,500 "
3.	Poor	"	"	4,000 "
4.	Indist.	"	"	5,000 "
5.	Fair	"	"	10,000 "
6.	Ordinary	"	"	15,000 "
7.	Good above ord.	"	"	20,000 "
8.	Y. gd., unusual	"	"	30,000 "
9.	Exceptional good	"	"	80,000 "
10.	Objects visible beyond	80,000 metres.	(18-6 miles)	

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 333B

Saturday
29th November

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

STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 12h-1h.	Day. 1h-12h.	Sunrise to Sun- set.			Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 12h-1h.	Day. 1h-12h.	Sunrise to Sun- set.
Scotland.	Oban	bc	b	38	25	-	-	3.7	England, N.W.	Douglas (I.O.M.)							
	Banff	bc	bc	36	29	1	0.3	1.9		Blackpool	o	o	35	31	-	-	0.0
	Montrose									Southport	o, c, o	o, c, o	36	32	-	-	0.0
	St. Andrews	c	c	41	31	5	3	0.8									
England, N.E.	Harrogate	c, o, c	c, o, c, b	36	30	0.8	-	1.3	Midlands.	Buxton	cm, c, o	c, o, c	34	31	0.3	-	0.0
	Skegness	o	ofg	35	29	-	-	0.0		Leamington Spa... ..	o	o	33	30	-	-	0.0
	Scarboro.			43	38	3	-	1.5		Malvern	om	om	33	30	1	-	0.0
										Ross-on-Wye	om	om	32	29	-	-	0.0
England, E.	Felixstowe	cgm	of	36	28	-	-	0.0	Wales.	Rhyl	bc	c	39	32	1	0.1	0.0
	Walton-on-Naze...									Colwyn Bay			40	35	-	-	0.7
	Southend-on-Sea...	fxd	o, bc	42	29	0.1	-	1.3		Llandudno	of	of	40	32	-	-	0.5
									Aberystwyth	oc	c, o	42	37	-	-	1.0	
England, S.E.	Margate	o	odu	41	35	0.2	1	0.3	England, S.W.	Weymouth	-	-	38	34	-	-	0.5
	Ramsgate	o	o	40	35	4	5	0.0		Teignmouth							
	Folkestone	of, d	rop	41	35	-	5	0.0		Torquay	om	om	36	30	-	-	0.0
	Hastings	oh, bc	c, o, bc	45	34	19	2	1.2		Paignton	f	cf	37	29	-	-	0.0
	Eastbourne	so, c	c, bc	43	32	27	9	1.2		Penzance	cpr	c, o, pr	44	31	1	1	0.6
	Brighton	cm, o	c, o, bc	40	33	8	8	0.1		Newquay	bc, c, o	of, o	41	28	-	0.1	0.4
	Worthing	c, bc	cr	42	32	1	1	1.6		Bude							
	Littlehampton	bc	dm	46	36	3	-	3.2		Ilfracombe	c, bc	bc, c	37	33	-	-	2.9
	Bournemouth			37	31	0.1	-	0.0		Weston-s-Mare	fm	m	35	26	-	-	0.0
	Tunbridge Wells.	bm, bc, p	of	39	29	1	3	0.2									

SUMMARIES FOR PAST 24 HOURS.

STATIONS.	WEATHER.				Max. Temp. °F.	Min. Temp. °F.	Min. on Grass °F.	RAINFALL.		Sun. Hours.
	7h-12h.	12h-18h.	18h-24h.	1h-7h.				Day. 7h-18h.	Night. 18h-7h.	
†Houton Bay (Orkney)...	cm	om, c, o	om, o, sm	om, sm, sr	30	31	31	-	12	2.0
†Stranraer ...										
†Lough Foyle ...										
Valencia (Cahirciveen) ...	bc	bc, b		b, bx	42	30	25	-	-	2.5
†Anglesey (Llangefni) ...	bc, c, z.	bc, c, z.	b, bc	3	43	24	*	*	*	*
Falmouth ...	c, o, bc	om, om	of	o, bc	43	30	32	trace	6	9.9
†Calshot (Hants) ...	o	o		p	43	34	*	*	*	*
†Capel (Folkestone) ...	prh, v	c, o, r, h, z	rs, l		*	*	*	*	*	*
Aberdeen ...	c, bc, z	bc, m	cp, bc		38	33	30	0.1	2	1.9
†East Fortune ...	om, h, r, h	z, r, s, o	rs, o	pr, s, q	40	31	*	*	*	*
†Flemborough Head ...	om, r	om, r		of, z	38	27	*	*	*	*
†Felixstowe ...	of, z	of, z		p	41	31	*	*	*	*
†Cranwell (Lincs) ...	c, om, o	om, o	om, om, z	of, om, p	32	20	*	*	*	*
†Bedford ...	of, z	o, f, z	of, z	om, p, d	34	29	*	*	*	*
Benson ...	om	om		of, sr	35	30	20	-	5	*
London (Kew Obsy.) ...	om, of, s	of		of, or	37	32	27	trace	2	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. 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.

SYMBOLS—

Aurora Solar halo
Rime Lunar halo
Glazed frost Solar corona
Glazed roads Lunar corona

LONDON. OBSERVATIONS.	WEATHER.			Max. Temp.	Min. Temp.	Min. on Grass.	Rain- fall.	Sun- shine to Sunset.	Humidity %	
	Morning	Afternoon.	Night.	° F.	° F.	° F.	mm.	Hours.	15 h. G.M.T.	9 h. G.M.T.
	24 HOURS ENDED 9h G.M.T. 29 th							YESTERDAY.	TO-DAY.	
Greenwich (Royal Observatory)	bcf	bcf	omror	39	32	23	3	0.0	86	92
City (Bunhill Row)	*	*	*	*	*	*	*	0.0	*	*
Westminster (St. James's Park)	*	*	*	40	34	25	6	0.0	30	34
" (Admiralty Arch)	f	fg	fm.f.orf	41	35	*	6	0.0	31	32
Camden Sq. (British Rainfall)	f	f	*	38	33	30	4	0.0	39	39
Kensington Palace	of	of	*	38	33	25	5	*	33	36
YESTERDAY. TO-DAY.										
Vertical Component of Solar Radiation per Square Centimetre during yesterday.										
Total 4.1 Joules.										
Average Rate. 1.4										
Maximum Rate. 6										

SOUTH KENSINGTON (Meteorological Office).

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

29 th & 30 th November 1919.			
Stations.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth...	7.39	11.41	3.43
Greenwich	7.41	11.42	3.43
Wick	7.44	11.49	3.54
Valencia ...	8.25	12.29	4.32

NOTES ON THE WEATHER OF YESTERDAY.

Rain fell in the South of England and Ireland, and locally in the North-East. There were 23 m.m. at Dungeness and 10 m.m. at Leith. At Eastbourne there was 27 m.m. on Thursday night and a further 9 m.m. yesterday. Thunderstorms were experienced on the South-East coast. Sunshine records were poor except locally in the North-West and in Ireland. There was much fog and mist in the Midlands and Eastern districts. Temperature remained below 45° except in the South-West and only reached 32° at Nottingham, 34° at Leith. There was frost at night locally.

† Air Ministry Station.

* Information for these columns not usually received.



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

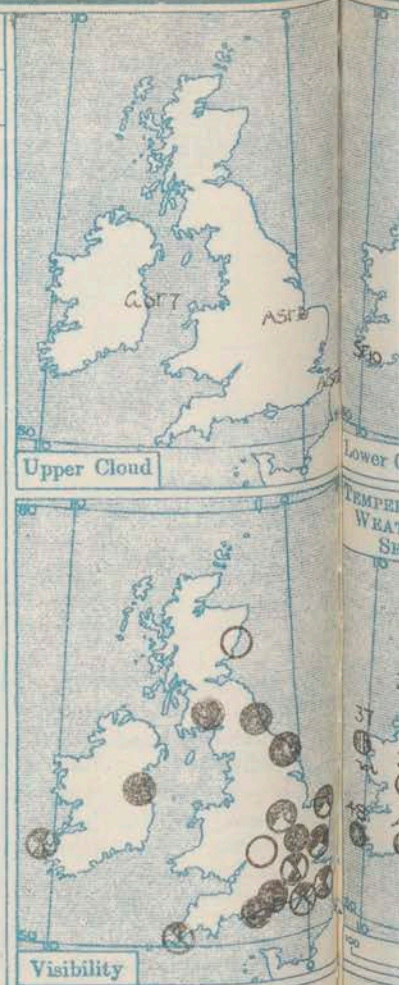
No. 25192.B SUNDAY, 30TH NOVEMBER 1919.

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

STATIONS.	Barom. at M.S.L.	Change in 3 hours.	Wind. Direc.	Force 0-12.	Weather.	Temp. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Amt. 0-10.	Upper Cloud. Form.	Amt. 0-10.	Sea. 0-9.	Barom. at M.S.L.	Change in 3 hours.	Wind. Direc.	Force 0-12.	Weather.	Temp. °F.	Humidity. %	Visibility. 0-10.	Height of Low Cloud. Feet.	Low Cloud. Form.	Amt. 0-10.	Upper Cloud. Form.	Amt. 0-10.	Sea. 0-9.
	m.b.														m.b.													
	13H. G.M.T. OF 29 th														18H. G.M.T. OF 29 th													
†Houton B. (Orkney)	1003.7	-1	-	0	OS	35	92	5	1½-2000	ST	10	-	-	*	1008.5	+2	NW	1	OTS	34	87	4	-	ST	10	-	-	*
†Eskdalemuir ...	1003.7	-1	-	0	OS	35	92	5	1½-2000	ST	10	-	-	*	1008.5	+2	NW	1	OTS	34	87	4	-	ST	10	-	-	*
†Stranraer ...	1003.7	-1	-	0	OS	35	92	5	1½-2000	ST	10	-	-	*	1008.5	+2	NW	1	OTS	34	87	4	-	ST	10	-	-	*
†Lough Foyle ...	1006.9	+1	-	0	b	39	82	7	-	-	-	A.Cu	1	2	1008.5	+2	E	1	b	30	87	7	1-3000	ST	1	-	-	2
†Valencia (Cahire'n)	1006.9	+1	-	0	b	39	82	7	-	-	-	A.Cu	1	2	1008.5	+2	E	1	b	30	87	7	1-3000	ST	1	-	-	2
†Anglesey (Llangefni)	1003.7	0	-	0	b	34	87	3	-	-	-	-	-	3	1006.5	+4	-	-	0	32	92	9	1½-2000	ST	10	-	-	3
†Falmouth ...	1005.5	+3	W	2	c	44	82	6	-	-	-	Cu.Nb	7	-	1004.2	+5	NW	3	bc	39	95	6	-	Cu	4	-	-	*
†Calshot (Hants) ...	1002.6	+3	WNW	3	b	40	82	2	1½-2000	ST	10	-	-	3	1010.4	+4	W	2	bc	35	92	1	1½-2000	ST	5	-	-	3
†Capel (Folkestone)	1002.1	0	SW	8	rh, q	41	92	8	1500	Nb	10	-	-	6	1006.9	+6	SW	5	ow	36	92	3	1-1500	ST-Cu	10	-	-	4
Aberdeen ...	1004.5	-1	NW	3	b	36	92	7	-	-	-	Cu-ST	3	2	1005.0	+1	WNW	2	em	34	92	6	-	ST-Cu	3	Fa.Ci	2	2
†East Fortune ...	1003.7	-1	NW	2	or	36	92	5	1½-2000	Nb	9	-	-	*	1005.1	+2	NNE	1	or	36	92	9	1½-2000	Nb	9	-	-	*
†Flamboro' Head	1002.6	-1	NNW	2	om	31	97	3	1-1000	ST	10	-	-	*	1002.8	+1	NNW	4	om	38	97	3	1½-1000	ST	7	ASr	3	*
†Felixstowe ...	1001.4	-2	S	4	bc	43	98	4	2-3000	ST-Cu	6	-	-	5	1004.8	+6	W	5	og	43	97	5	1-1500	ST	10	-	-	4
†Cranwell (Lincs)	1001.4	-2	NNW	1	os	32	98	3	1-1500	Nb	10	-	-	0	1005.2	+4	W	2	os	30	97	2	1-1500	Nb	10	-	-	*
†Bedford ...	999.9	?	NNW	2	oz	35	98	0	1-1000	ST	10	-	-	*	1005.8	+5	W	2	od	34	97	10	1-1000	ST	10	-	-	*
Benson ...	1002.9	+2	W	1	o	36	97	3	-	-	-	-	-	*	1007.1	+7	WSW	2	o	34	92	3	-	ST	9	-	-	*
London (Kew Ob.)	1000.4	+2	W	4	o	43	75	7	2-3000	ST-Cu	6	Cu-ST	3	*	1007.3	+10	W	3	ow	36	87	5	2-4000	ST-Cu	10	-	-	*
1H. G.M.T. OF 30 th														7H. G.M.T. OF 30 th														
†Houton B. (Orkney)	1009.9	+3	-	0	b	22	92	6	-	-	-	-	-	*	1012.3	+3	-	0	ofex	21	98	0	1-1000	ST	10	-	-	*
†Eskdalemuir ...	1009.9	+3	-	0	b	22	92	6	-	-	-	-	-	*	1012.3	+3	-	0	ofex	21	98	0	1-1000	ST	10	-	-	*
†Stranraer ...	1009.9	+3	-	0	b	22	92	6	-	-	-	-	-	*	1012.3	+3	-	0	ofex	21	98	0	1-1000	ST	10	-	-	*
†Lough Foyle ...	1007.4	-2	SE	2	bc	37	*	*	*	*	*	*	*	4	1001.5	-6	SSE	6	or	48	87	5	2-3000	ST	10	-	-	0
†Valencia (Cahire'n)	1007.4	-2	SE	2	bc	37	*	*	*	*	*	*	*	4	1001.5	-6	SSE	6	or	48	87	5	2-3000	ST	10	-	-	0
†Anglesey (Llangefni)	1009.6	+5	-	0	bc	35	98	1	1½-2000	ST	5	-	-	3	1013.4	0	WNW	3	bc	46	87	6	-	ASr	2	-	-	*
†Falmouth ...	1013.0	+1	NW	1	bc	33	82	5	-	-	-	-	-	*	1013.2	+2	-	0	cz	35	98	0	1½-2000	ST	8	-	-	3
†Calshot (Hants) ...	1007.5	+2	-	0	b	32	98	1	3-4000	ST	2	-	-	2	1016.9	+5	NW	4	b	31	82	5	-	-	ASr	2	-	3
†Capel (Folkestone)	1010.9	+4	WNW	4	b	35	82	5	-	-	-	-	-	?	1016.9	+5	NW	4	b	31	82	5	-	-	ASr	2	-	3
Aberdeen ...	1008.0	+2	S	1	b	31	92	?	-	-	-	-	-	*	1008.4	+2	-	0	b	30	92	7	-	-	-	-	2	
†East Fortune ...	1008.0	+2	S	1	b	31	92	?	-	-	-	-	-	*	1009.7	+2	W	1	bx	30	92	-	1½-2000	ST	-	-	-	*
†Flamboro' Head	1007.4	-2	SE	2	bc	37	*	*	*	*	*	*	*	4	1015.7	+4	NW	3	ofx	28	92	0	1500	ST	10	-	-	*
†Felixstowe ...	1010.1	+1	WSW	3	os	29	98	2	1-1500	Nb	10	-	-	*	1017.6	+6	W	2	b	31	98	3	-	-	-	-	1	
†Cranwell (Lincs)	1010.1	+1	WSW	3	os	29	98	2	1-1500	Nb	10	-	-	*	1014.8	+6	W	3	bc	28	98	2	1½-2000	ST	2	ASr	2	*
†Bedford ...	1011.4	+3	SW	2	bc, f	29	92	2	4-5000	ST-Cu	4	-	-	*	1015.8	+3	SW	1	c	28	92	1	-	-	-	-	8	
Benson ...	1011.9	+2	*	*	bc	*	*	*	*	*	*	*	*	*	1014.4	+4	-	0	f	30	98	0	-	-	-	-	*	
London (Kew Ob.)	1011.9	+2	*	*	bc	*	*	*	*	*	*	*	*	*	1015.9	+4	WSW	1	bmy	30	98	4	-	-	-	-	*	
STATIONS CONTRIBUTING REPORTS AT 7H AND 18H.																												
STATIONS.	Barom. at M.S.L.	Temp.	Wind.	Force	Weather.	Barometer.	Temperature.	Wind.	Dir. of Upper Cloud.	Weather.	Sea.	Rainfall.	Temp.	Weather.	Sunshine.													
	m.b.	°F.	Dir.	0-12.		m.b.	°F.	Dir.	0-12.		0-9.	mm.	Max. °F.	Min. °F.	Morning.	Afternoon.	Night.	Hours.										
	18H. G.M.T. OF 29 th														7H. G.M.T. OF 30 th				24 HOURS ENDED 7H. 30 th				29 th					
Lerwick ...	1002.3	36	-	-	bem	1005.0	+1	37	-2	-	0	-	39	33	omd	bem	0.0											
Stornoway ...	1005.1	36	W	1	o	1006.2	+0	32	+1	W	2	-	38	30	op	bem	0.0											
Castlebay (Barrals)	1006.2	27	-	-	b	1006.2	0	44	+6	S	4	-	44	35	o	bc	0.3											
Glasgow ...	1006.3	33	W	1	bf	1011.0	+2	29	-7	SE	1	-	37	27	ogrsp	c, c, f	b, b, f, x	0.0										
Malin Head ...	1004.8	40	SW	2	c	1005.7	0	35	-5	SSW	3	-	43	34	o	c	bc	1.4										
Blacksod Point	1007.8	38	SSE	1	bc	1001.7	-4	37	+2	SSE	3	-	37	32	bc	bc	beom	*										
Roche's Point ...	1009.1	33	NW	2	of	1006.9	-2	47	+11	S	7	-	47	32	rom	omf	of	*										
Birr Castle ...	1008.0	30	SW	1	of	1005.8	*	35	+4	SSE	3	-	35	25	oz	zof	of	5.2										
Donaghadee ...	1006.2	39	NE	2	omv	1010.1	+1	31	-9	-	0	-	42	31	c	ogmr	omf, x	*										
Liverpool (Bidston)	1006.0	32	NNW	1	m	1013.0	+2	33	0	S	2	-	36	31	em	em	bmx	0.0										
Holyhead ...	1006.0	26	S	3	om	1011.7	+1	40	+4	S	4	-	40	33	bx, bem	bc, ot	b, x, p	4.0										
Pembroke (St. Ann's Head)	1007.8	39	E	1	bc	1011.9	+1	44	+9	SW	3	-	44	36	c, or	o, p, e	bcv	2.8										
Scilly (St. Mary's)	1009.2	46	WNW	2	bc	1011.8	-1	46	+3	S	5	-	46	40	bc, c	bc	b, bc	5.4										
Jersey (St. Aubin)	1008.7	46	W	4	b	1015.8	+2	34	-13	W	2	-	50	33	bgpb	b	b, w, x	5.3										
Portland Bill ...	1007.3	43	WNW	5	c	1014.5	+5	40	-5	WNW	2	-	46	38	c, og	cq	cbb	*										
Dungeness ...	1005.9	39	SW	7	bc, f	1014.6	+3	29	-12	NW	1	-	45	28	omf, q	cp, q	cbb, x	*										
Wick ...	1003.7	34																										

SUMMARY OF CONDITIONS AT 7 A.M. Sunday, 30th November, 1919

Districts.	Wind. Velocity in m.p.h.	Temperature.	Weather, Cloud and Precipitation.	Visibility.	Sea.
1. S.E. England	NW. 2-10	V. cold	Fine, local mist.	Poor	Smooth
2. E. England	SW-W. 2-5	"	Fair	"	"
3. E. Midlands	SW. 0-2	"	Fine, local mist.	Bad	-
4. W. Midlands	S-SW. 0-5	R. cold	Fair to fine.	Poor	-
5. S.W. England	NW. 5	Mod.	Fine	Good	R. rough
6. South Wales	SW. 5-10	"	Fair	Fair	Smooth
7. North Wales	S. 10-15	R. cold	Fair to fine.	Poor	"
8. N.W. England	S. 5-10	V. cold	Fine.	"	"
9. N. Midlands	SW. 0-2	"	Fine	"	-
10. N.E. England	W. 5-15	"	Fine, mist locally.	Bad	Smooth
11. E. Scotland	W. 0-2	R. cold	Fine, mist locally.	Mod.	"
12. S.W. Scotland	S. 0-2	"	Cloudy, local fog.	Bad.	Calm
13. Isle of Man	S. 0-5	"	Fair to fine.	-	Smooth
14. N. & N.W. Scotland	W. 0-2	"	Fine.	Fair	"
15. Hebrides	S. 0-10	Mod.	Fair to fine.	"	Slight
16. Orkneys and Shetlands	Calm	R. cold	Fair	"	Calm
17. N.W. Ireland	S-SW. 15-20	"	Fair to dull.	"	Slight
18. N.E. Ireland	Calm	V. cold	Fine	Poor	Calm
19. S.E. Ireland	S-SE. 5-15	R. cold	Fair to fine.	"	Smooth
20. S.W. Ireland	S. 30-35	Mod.	Dull, rain.	Ord.	Rough



EXPLANATION.
BAROMETER.—Isobars are drawn at intervals of five millibars.
WIND.—Direction is shown by arrow 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 & clouded.
 ⊙ sky & clouded. ⊙ sky & clouded.
 ⊖ overcast sky. ⊖ rain falling.
 * snow. ▲ hail. ≡ fog. ≡ mist.
 T thunder. F thunderstorm.
SEA DISTURBANCE.—
 Rough High

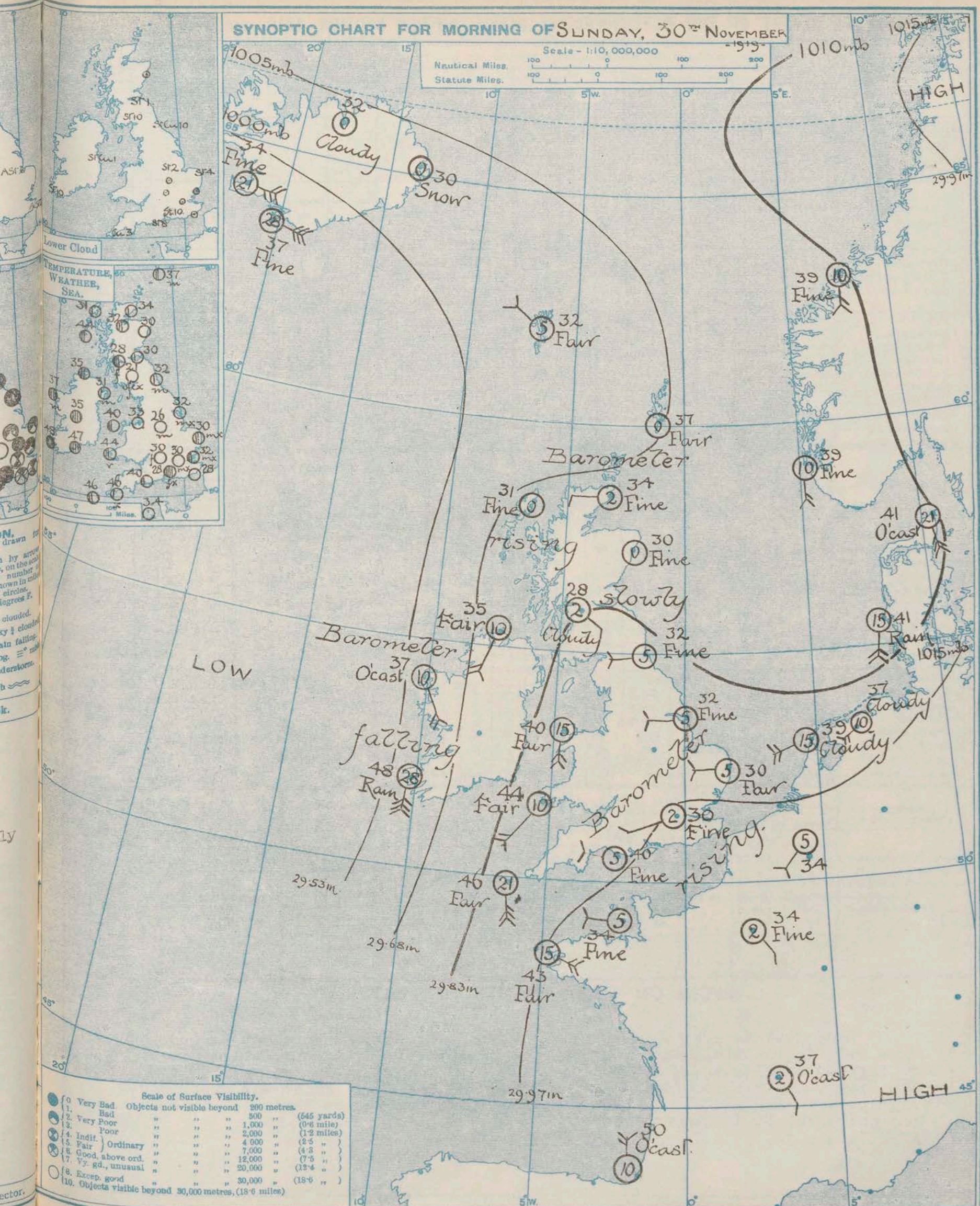
GENERAL INFERENCE from observations received up to 9 a.m.

A depression approaching the west of Ireland will move north-east, and cause strong winds from between S. and SW., with gales on exposed parts of the west coast. Rain will spread over the Kingdom from the west, and temperature will rise considerably.

Districts.	Forecasts for the 24 hours commencing 3 p.m. Sunday, 30th November, 1919	Further Outlook.
1. S.E. England	Wind backing to S. or SE. light at first, fresh or strong later, and perhaps veering SW. Fine at first, with local mist. Becoming overcast later, and finally rain.	A mild unsettled southerly or South-Westerly type of weather is probable.
2. E. England	Cold tonight, becoming milder tomorrow.	
3. E. Midlands		
4. W. Midlands	Wind increasing from S, reaching gale force on exposed parts of the coast; probably veering SW. later. Becoming dull, with rain at times. Mild.	
5. S.W. England		
6. South Wales		
7. North Wales	Wind increasing from S. or SE., becoming strong or high. Fair at first. Dull later, with rain at times.	
8. N.W. England	Cold tonight, milder tomorrow.	
9. N. Midlands		
10. N.E. England	Same as for 1-3	
11. E. Scotland		
12. S.W. Scotland	Same as for 7-8	
13. Isle of Man		
14. N. & N.W. Scotland	Same as for 1-3	
15. Hebrides	Same as for 7-8	
16. Orkneys and Shetlands	Same as for 1-3	
17. N.W. Ireland	Same as for 19-20	
18. N.E. Ireland	Same as for 7-8	
19. S.E. Ireland	Strong winds or gales from S, veering SW. Dull, rain at times. Mild.	
20. S.W. Ireland		

SYNOPTIC CHART FOR MORNING OF SUNDAY, 30TH NOVEMBER

Scale - 1:10,000,000
Nautical Miles. 100 0 100 200
Statute Miles. 100 0 100 200



LOW

HIGH

HIGH

Scale of Surface Visibility.

		Objects not visible beyond	200 metres.
0	Very Bad	"	"
1	Bad	"	500 "
2	Very Poor	"	1,000 "
3	Poor	"	2,000 "
4	Indif.	"	4,000 "
5	Fair	"	7,000 "
6	Good, above ord.	"	12,000 "
7	Vy. gd., unusual	"	20,000 "
8	Excep. good	"	30,000 "
9	Objects visible beyond	30,000 metres,	(18.6 miles)

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, BRITISH SECTION, 1919. No. 334 B

Sunday
30th November

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 29 th																			
STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.		STATIONS.		WEATHER.		TEMPERATURE.		Rainfall.		SUNSHINE.	
		Forenoon.	Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-24h. 28 th	Day. 9h-17h. 29 th	Sunrise to Sunset. 29 th	Forenoon.			Afternoon.	Max. ° F.	Min. ° F.	Night. 17h-24h. 28 th	Day. 9h-17h. 29 th	Sunrise to Sunset. 29 th		
Scotland.	Oban ...	b bc	c bc	37	18	-	-	0.0	England, N.W.	Douglas (I.O.M.)									
	Banff ...									Blackpool ...									
	Montrose ...									Southport ...	c, d	o	31	18	-	-	0.0		
	St. Andrews ...																		
England, N.E.	Harrogate ...	xf	bx	36	25	-	-	0.0	Midlands.	Buxton ...	f, m, m	c, m, m	30	15	-	-	0.0		
	Skegness ...									Leamington Spa...	os.	os.	34	30	2	3	0.0		
										Malvern ...									
										Ross-on-Wye ...	os.	os. c. o	35	27	6	1	0.0		
England, E.	Felixstowe ...	eggr	ogpr	43	35	4	2	0.6	Wales.	Rhyl ...									
	Walton-on-Naze...									Colwyn Bay ...									
	Southend-on-Sea...	oet	oe	45	33	6	5	1.3		Llandudno ...	o	c b	38	26	-	-	1.3		
										Aberystwyth ...	d, c	c. o	38	35	-	-	3.7		
England, S.E.	Margate ...	or	o	46	36	11	6	0.0	England, S.W.	Weymouth ...									
	Ramsgate ...	r	r	45	32	12	4	0.1		Teignmouth ...									
	Folkestone ...	rar	ro	47	38	12	4	0.8		Torquay ...									
	Hastings ...									Paignton ...	bc	bc s	45	30	13	-	3.9		
	Eastbourne...	ephe	c, o	49	33	7	4	1.8		Penzance ...									
	Brighton ...									Newquay ...									
	Worthing ...	ce	o	46	31	11	1	1.3		Bude ...									
	Littlehampton	cm	om	45	31	10	3	1.6		Ilfracombe ...									
	Bournemouth			42	31	12	-	0.7		Weston-s-Mare ...									
	Tunbridge Wells	oro	bc c. o b	45	28	16	2	1.0											

STATIONS.	SUMMARIES FOR PAST 24 HOURS.										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.		
	WEATHER				Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass ° F.	RAINFALL.		Sun. Hours.			No.	Limits of Velocity.	
	7h-13h.	13h-18h.	18h-24h.	1h-7h.				Day. 7h-13h.	Night. 18h-7h.					Statute miles per hour.	Metres per second.
†Houton Bay (Orkney)...												0	Less than 1	Less than 0.3	
Eskdalemuir ...	om, cm	c. om.	b	bx of ex	35	17	12	~	Trace	0.4		1	1-3	0.3-1.5	
†Stranraer ...												2	4-7	1.6-3.3	
†Lough Foyle ...												3	8-12	3.4-5.4	
Valencia (Cahiriveen) ...	b	b	bx cor		49	29	24	-	1	4.4		4	13-18	5.5-7.9	
†Anglesey (Llangefni) ...	bz.	z. b. bc	bc. crs.									5	19-24	8.0-10.7	
Falmouth ...	bc. cp	c. bc.	bc. bx	bx	46	30	23	-	-	2.5		6	25-31	10.8-13.8	
†Calshot (Hants) ...	p	b. bc	b. bc	x	44	30	*	*	*	*		7	32-38	13.9-17.1	
†Capel (Folkestone)...	cp	o c	b. bc. b.	b. bc. x	42	31	*	*	*	*		8	39-46	17.2-20.7	
Aberdeen ...	bc. b	b. bc.	b. om. bx		36	30	22	-	-	2.2		9	47-54	20.8-24.4	
†East Fortune ...	c. ox	z. hd.	z. b. bc.	fx	40	28	*	*	*	*		10	55-63	24.5-29.4	
†Flamboro' Head ...	of ad	rs. hd.	om. x		42	24	*	*	*	*		11	64-75	28.5-33.5	
†Felixstowe ...	pe	ro	co. g		44	31	*	*	*	*		12	Above 75	33.6 or above	
†Cranwell (Lincs) ...	c. o	fr.	s. hs.	ome	32	25	*	*	*	*		Suffices 0, 1 and 2 attached to Beaufort letters signify intensity. 0=slight, 2=heavy. Underlining is used to express continuity. SYMBOLS— Aurora ☄ Solar halo ☉ Rime ❄ Lunar halo ☾ Glazed frost ☁ Solar corona ☉ Glazed roads ☁ Lunar corona ☾			
†Bedford ...	so	ro	co. fi. x	bz	36	26	*	*	*	*					
Benson ...	o	o	of. x		39	23	18	1	-	*					
London (Kew Obsy.) ...	oro	o	b. om. x		43	30	19	5	Trace	0.4					

LONDON. OBSERVATIONS.	WEATHER.			Max. Temp. ° F.	Min. Temp. ° F.	Min. on Grass. ° F.	Rain- fall. mm.	Sun- shine to Sunset. Hours.	HUMIDITY %		SOUTH KENSINGTON (Meteorological Office).	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.			
	Morning	Afternoon.	Night.						15 h. G.M.T.	9 h. G.M.T.					
	24 HOURS ENDED 9H G.M.T. 30th...								YESTERDAY.			TO-DAY.		30th November & 1st December 1919.	
Greenwich (Royal Observatory)	c ro	o bc	b x	46	26	17	2	1.3	81	86	Vertical Component of Solar Radiation per Square Centimetre during yesterday.	Stations.	Sunrise.	Noon.	Sunset.
City (Bunhill Row) ...	x	x	*	*	*	*	*	*	*	*		G.M.T.	G.M.T.	G.M.T.	
Westminster (St. James's Park)	x	x	*	*	*	*	*	*	*	*					
" (Admiralty Arch)	oroqbc	bm q	om bmx	46	32	*	i	0.8	91	95	Total joules. Milliwatts.	Yarmouth ...	7.41	11.42	3.43
Camden Sq. (British Rainfall)	omr	om o	*	44	28	24	2	0.0	79	94		Greenwich {	7.42	11.42	3.43
Kensington Palace ...	or	o	*	46	29	19	2	*	91	90			7.45	11.49	3.54
											Average Rate.	Wick ...	8.37	12.1	3.25
											Maximum Rate.	Valencia ...	8.38	12.1	3.25
													8.27	12.30	4.32
													8.28	12.30	4.32