

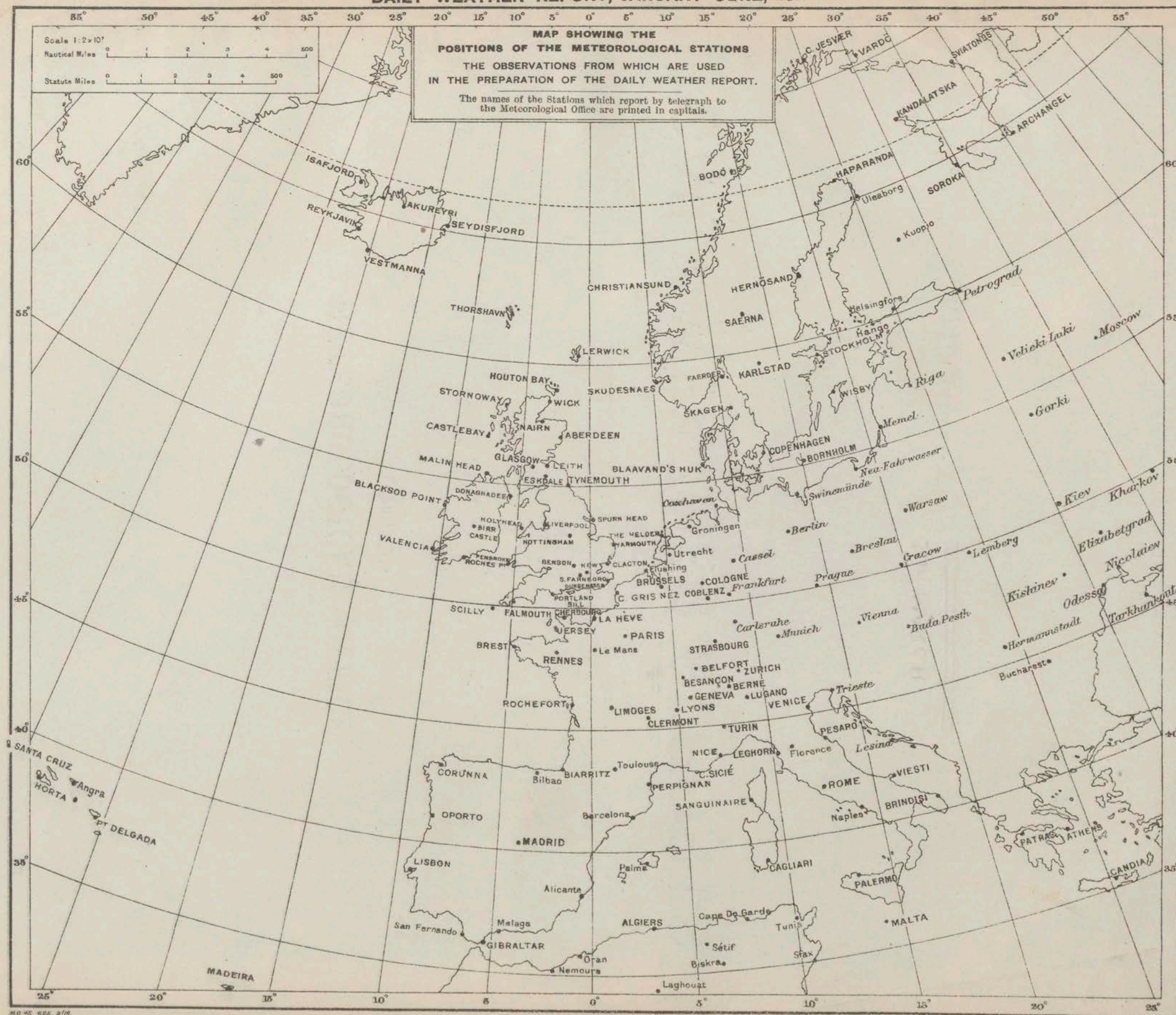
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METEOROLOGICAL OFFICE,
LONDON.

DAILY WEATHER REPORTS

1ST JANUARY TO ^{31ST MARCH} ~~30TH JUNE~~, 1919.

DAILY WEATHER REPORT, JANUARY-JUNE, 1919.



DAILY WEATHER REPORT. APPENDIX I.

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

FIRST QUARTER, JANUARY TO MARCH.

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

STATIONS.	PRESSURE. 1906-1915. 7 a.m. Observations (reduced to M.S. Level).	AIR TEMPERATURE.								RAINFALL. 1881-1915.		BRIGHT SUNSHINE. 1881-1915.		
		Means of			Absolute Extremes.					Days with Rain.	Total Fall.	Daily Mean.	Per Centage of Possible Duration.	
		1906-1915.	1881-1915.		1881-1915.									
			Dry Bulb 7 a.m.	Daily Maximum.	Daily Minimum.	Maximum.		Minimum.						
						Temp.	Year.	Temp.	Year.					
Lerwick	mb. 1007.0	39.6	42.6	35.6	52	1898	1910	16	1910	27	mm. 108	in. 4.26	hr. —	% —
Stornoway	1008.3	40.3	43.7	34.9	55	1890	1881	11	1881	25	131	5.17	0.90	13
Castlebay (Barra Isd.)	[1009.0]	[43.0]	[45.6]	[39.3]	[52]	[1908, 09, 10, 14]	[1910]	[28]	[1910]	[24]	[80]	[3.16]	[0.97]	[13]
Eskdalemuir	[1012.7]	[34.8]	[39.6]	[30.4]	[51]	[1910, 11, 15]	[1910]	[3]	[1910]	[21]	[114]	[4.48]	[1.01]	[14]
Malin Head	1010.3	41.1	44.4	37.4	55	[1898]	[1894]	[23]	[1894]	[22]	[66]	[2.61]	—	—
Blackod Point	1011.9	43.7	46.5	38.8	56	[1890]	[1890]	[26]	[1891, 94]	[25]	[129]	[5.09]	—	—
Valencia	1014.9	44.4	48.5	40.2	55	1882, 3, 4, 8, 9, 98, 1901	1894	20	1894	24	139	5.49	1.55	19
Roche's Point	1016.0	43.2	47.5	39.4	57	1889	1894	20	1894	21	105	4.15	—	—
Birr Castle	1014.3	39.3	45.2	34.3	57	1898	1881, 94	6	1881, 94	20	72	2.83	1.61	20
Donaghadee	1013.5	40.5	44.8	36.3	58	1898	1881	14	1881	20	64	2.53	—	—
Liverpool (Observatory)	1015.4	38.7	43.3	35.3	58	1898	1881	9	1881	17	54	2.12	[1.94]	[24]
Holyhead	1014.8	42.3	45.2	38.4	54	1899, 1915	1894	20	1894	19	74	2.91	[1.42]	[18]
Pembroke (St. Ann's Hd.)	1015.9	42.9	45.9	39.4	53	1899, 1907, 14	1881, 94, 1907	19	1881, 94, 1907	20	84	3.31	1.71	21
Scilly (St. Mary's)	1017.3	45.6	49.1	42.3	57	1899	1894	25	1894	21	76	2.98	1.90	23
Falmouth	1018.0	43.1	46.9	39.9	55	1888, 90, 96	1894	20	1894	20	107	4.21	1.87	22
Jersey (St. Aubin's)	1019.0	42.8	46.6	38.6	57	1899	1891	12	1891	20	75	2.94	2.19	26
Portland Bill	1016.5	43.0	45.5	38.7	[52]	[1901, 03, 05, 11, 12, 13, 15]	[1907]	[23]	[1907]	16	57	2.26	—	—
Dungeness	1016.6	39.4	43.8	34.7	55	1898	1893	11	1893	16	48	1.90	—	—
Dover	[1015.5]	[38.1]	[43.2]	[34.4]	[55]	[1914]	[1910]	[17]	[1910]	[18]	[57]	[2.25]	[2.10]	[25]
Wick	1008.5	38.0	42.5	33.3	60	1898	1881	—	1881	21	62	2.46	—	—
Nairn	1009.5	36.9	42.6	31.8	59	1887	1910	4	1910	18	51	1.99	[1.32]	[18]
Aberdeen	1011.1	37.1	42.3	33.4	59	1898	1881	4	1881	18	55	2.18	1.55	21
Leith	1012.0	39.2	44.0	34.2	58	1898	1881	9	1881	15	42	1.66	—	—
Tynemouth	1013.5	38.5	43.5	33.6	58	1898	1881	6	1881	15	41	1.61	—	—
Spurn Head	1014.3	38.3	42.1	34.7	55	1898	1881	13	1881	15	35	1.36	[1.29]	[16]
Yarmouth	1015.9	37.8	41.8	33.7	57	1899	1881	10	1881	18	44	1.74	[1.81]	[22]
Clacton-on-Sea	1016.8	37.7	41.8	33.9	[55]	[1914]	[1915]	[18]	[1915]	14	34	1.34	1.87	24
Nottingham	1015.7	37.1	42.6	32.6	56	1882, 88, 98, 99	1881	2	1881	19	40	1.81	1.10	14
LONDON (Kew Obsy.)	1017.5	38.3	43.1	34.6	56	1908, 10, 14	1881	9	1881	16	45	1.76	1.39	17
Lerwick	1002.6	39.0	42.1	34.5	53	1910	1895	17	1895	23	80	3.16	—	—
Stornoway	1004.0	39.2	44.1	34.2	55	1891	1892	12	1892	22	113	4.46	2.05	22
Castlebay (Barra Isd.)	[1005.0]	[42.7]	[45.8]	[38.9]	[52]	[1914]	[1912]	[27]	[1912]	[22]	[91]	[3.58]	[1.76]	[19]
Eskdalemuir	[1007.6]	[35.4]	[41.9]	[31.6]	[51]	[1912]	[1912]	[10]	[1912]	[22]	[183]	[7.19]	[1.60]	[10]
Malin Head	1005.8	40.7	44.6	37.1	[59]	[1891]	[1895]	[20]	[1895]	[19]	[61]	[2.41]	—	—
Blackod Point	1008.0	42.9	46.7	38.1	[61]	[1891]	[1912]	[23]	[1912]	[22]	[103]	[4.05]	—	—
Valencia	1010.6	43.5	48.8	39.7	58	1895	1895	21	1895	21	132	5.20	2.48	25
Roche's Point	1011.4	42.5	47.8	39.1	56	1889, 1896	1895, 1900, 02, 12	25	1895, 1900, 02, 12	18	91	3.70	—	—
Birr Castle	1009.7	39.1	46.7	34.4	60	1912	1895	17	1895	17	58	2.29	2.41	25
Donaghadee	1009.4	40.0	45.6	35.7	57	1897, 1901, 11	1895	16	1895	18	58	2.10	—	—
Liverpool (Observatory)	1010.7	38.7	44.2	35.6	59	1885, 1898	1895	12	1895	16	42	1.68	[2.66]	[28]
Holyhead	1010.2	41.9	45.4	38.0	59	1891	1895	17	1895	17	61	2.43	[2.50]	[26]
Pembroke (St. Ann's Hd.)	1011.3	42.2	45.6	38.9	56	1903	1895	23	1895	17	—	2.66	2.70	28
Scilly (St. Mary's)	1012.8	45.1	48.9	41.7	57	1896, 1899	1895	27	1895	17	65	2.57	3.01	30
Falmouth	1013.8	42.6	47.1	39.6	58	1899	1895	22	1895	17	94	3.70	2.98	30
Jersey (St. Aubin's)	1015.2	42.4	47.3	38.7	62	1891	1895	18	1895	17	62	2.44	3.30	33
Portland Bill	1012.5	42.4	45.6	38.5	[54]	[1905]	[1912]	[24]	[1912]	13	49	1.93	—	—
Dungeness	1012.9	39.5	44.5	35.2	57	1897	1899	11	1899	15	41	1.60	—	—
Dover	[1014.1]	[39.4]	[45.6]	[35.9]	[56]	[1913]	[1912]	[17]	[1912]	[17]	[43]	[1.68]	[3.16]	[32]
Wick	1003.9	37.8	42.8	32.8	57	1897, 1903	1895	2	1895	19	58	2.27	—	—
Nairn	1005.0	36.8	43.9	31.3	64	1891	1895, 97	0	1895, 97	17	46	1.80	[2.59]	[28]
Aberdeen	1006.7	37.7	43.2	33.4	64	1897	1895	6	1895	17	52	2.05	2.59	28
Leith	1007.2	38.8	45.2	33.8	59	1882	1895, 1912	12	1895, 1912	14	36	1.42	—	—
Tynemouth	1008.7	38.5	44.5	33.7	60	1898, 99	1895	7	1895	14	35	1.37	—	—
Spurn Head	1010.0	38.7	43.0	35.1	61	1899	1895	20	1895	14	31	1.21	[2.79]	[29]
Yarmouth	1012.1	38.1	42.9	34.0	60	1912	1895	15	1895	15	38	1.49	[2.84]	[29]
Clacton-on-Sea	1012.9	38.1	42.9	34.4	[58]	[1903]	[1912]	[18]	[1912]	12	32	1.25	2.94	30
Nottingham	1011.4	37.6	44.6	33.2	61	1899	1895	2	1895	16	39	1.55	2.06	21
LONDON (Kew Obsy.)	1013.5	38.5	45.0	35.1	62	1899	1895	11	1895	13	39	1.54	2.13	22
Lerwick	1005.7	38.3	42.9	34.4	57	1893	1891	19	1891	25	80	3.14	—	—
Stornoway	1007.4	38.6	45.3	34.4	57	1894, 1907	1881	13	1881	24	104	4.10	3.39	29
Castlebay (Barra Isd.)	[1006.7]	[41.7]	[45.7]	[38.5]	[52]	[1911]	[1915]	[27]	[1915]	[22]	[77]	[3.02]	[1.87]	[32]
Eskdalemuir	[1007.2]	[35.2]	[44.2]	[31.9]	[55]	[1910, 1915]	[1913]	[16]	[1913]	[21]	[133]	[5.24]	[1.10]	[20]
Malin Head	1008.2	40.7	46.0	37.7	[62]	[1894]	[1906]	[25]	[1906]	[21]	[59]	[2.32]	—	—
Blackod Point	1009.8	42.7	47.9	38.6	[64]	[1894, 1899]	[1891, 1900, 09]	[26]	[1891, 1900, 09]	[23]	[104]	[4.10]	—	—
Valencia	1011.8	43.4	50.0	39.9	66	1899	1899, 1901	26	1899, 1901	21	115	4.54	3.97	34
Roche's Point	1012.2	42.5	49.3	39.2	61	1899	1890	27	1890	18	76	3.01	—	—
Birr Castle	1011.0	38.8	49.2	34.6	66	1894	1891	18	1891	18	61	2.40	3.55	30
Donaghadee	1010.1	39.9	47.4	36.7	64	1892	1892, 1906	25	1892, 1906	19	56	2.19	—	—
Liverpool (Observatory)	1011.0	39.6	46.9	36.9	65	1884, 94, 1907	1886	21	1886	17	48	1.90	[3.52]	[30]
Holyhead	1010.8	41.9	46.9	38.4	67	1894	1881	27	1881	18	67	2.62	[4.05]	[33]
Pembroke (St. Ann's Hd.)	1011.7	41.9	46.7	39.0	58	1899	1888, 1909	26	1888, 1909	17	66	2.58	4.19	30
Scilly (St. Mary's)	1012.6	45.0	49.9	42.0	59	1893	1883, 90, 91	30	1883, 90, 91	18	62	2.45	4.52	38
Falmouth	1013.4	42.7	48.7	39.8	60	1914	1890	24	1890</					

* Results for 30 years, 1880-1915.
+ " 16 " 1900-1915.
+ " 15 " 1901-1915.

† Results for 9 years, 1907-1915.
‡ " 8

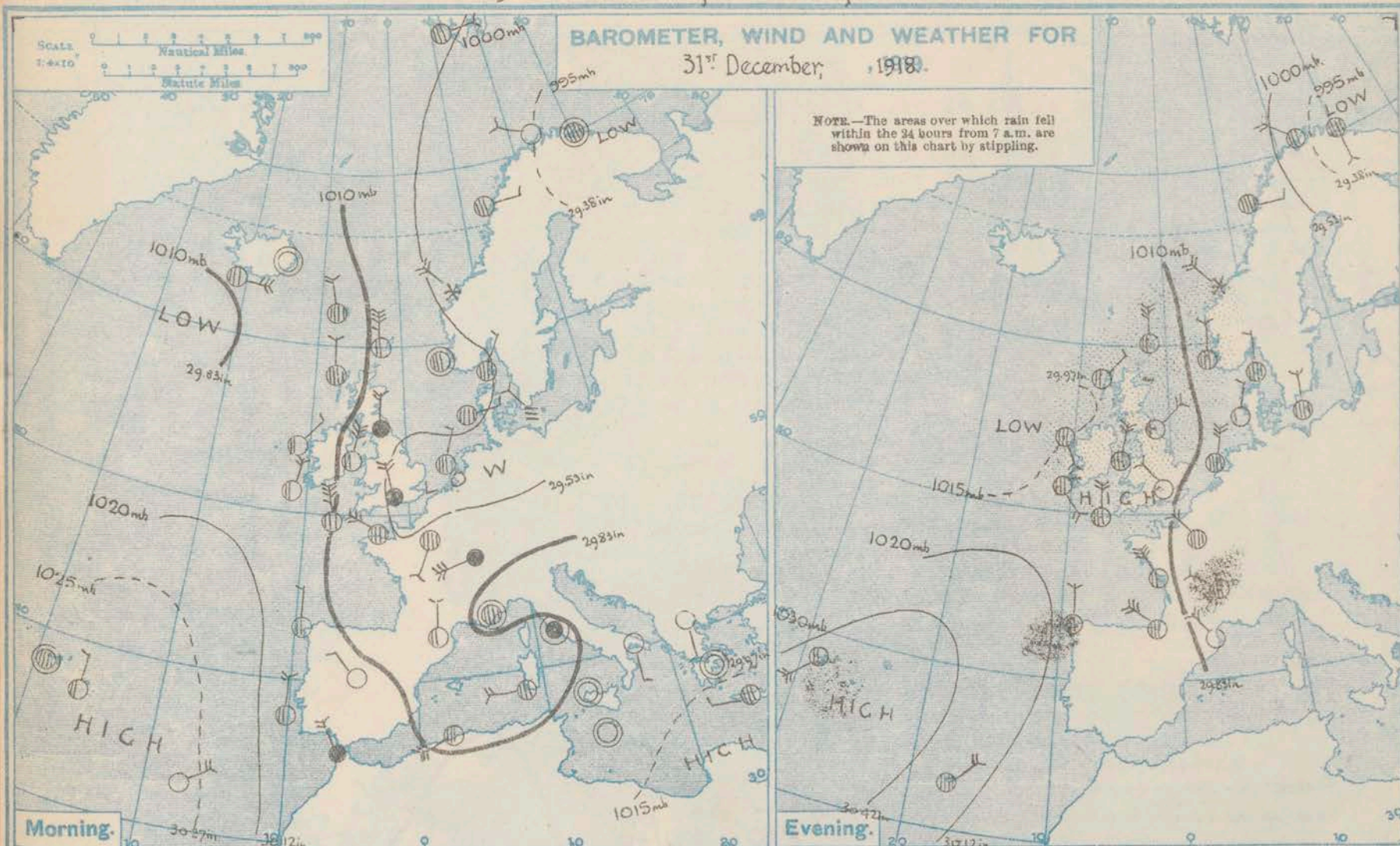
METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20,859.

Wednesday, 1st January, 1919.

BAROMETER, WIND AND WEATHER FOR 31st December, 1918.

NOTE.—The areas over which rain fell within the 24 hours from 7 a.m. are shown on this chart by stippling.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 31st DECEMBER, 1918.

STATIONS.		EVENING OF 30 th					MORNING OF 31 st										MORNING OF 31 st							
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.		
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Dirac.		Force 0-12.	
		* F.							* F.	* F.					* F.	* F.			* F.	* F.				
RUSSIA.	Orlov ...	*	*	*	*	*									*	*								
	Kem ...	*	*	*	*	*									*	*								
	Archangel ...	*	*	*	*	*									*	*								
	Mesen...	*	*	*	*	*									*	*								
SWEDEN.	Haparanda ...							*						*	*	*								
	Hernösand ...							*						*	*	*								
	Stockholm ...							*						*	*	*								
	Wisby ...							*						*	*	*								
	Sordovals ...							*						*	*	*								
	Hangö ...							*						*	*	*								
ITALY.	Venice ...							*																
	Turin ...							*																
	Pesaro ...							*																
	Leghorn ...							*																
	Rome ...	1012.5	52	-	0	7	1009.3	*	50	+2	-	0	7	1	55	48								
	Viesti ...	1011.9	50	NW	1	6	1011.3	*	48	+2	SE	1	bc	-	51	37								
	Brindisi ...	1012.6	48	SW	1	6	1012.7	*	43	-5	S	1	b	-	57	43								
	Cagliari ...	1007.9	48	NW	4	bc	1008.5	*	50	+2	W	3	c	-	61	46								
	Palermo ...	1014.1	52	-	0	bc	1012.7	*	43	-11	-	0	b	-	64	43								
	Tripoli ...							*																
TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.																			1 st AND 2 nd JANUARY 1919.			Sunrise.	Noon.	Sunset.
																						G.M.T.	G.M.T.	G.M.T.
Yarmouth ...																						8.6	11.57	3.44
																						8.6	11.57	3.43
Greenwich ...																						8.8	12.4	4.0
																						8.8	12.4	4.0
Wick ...																						9.5	12.16	3.27
																						9.5	12.16	3.25
Valencia ...																						8.51	12.45	4.53
																						8.51	12.45	4.53

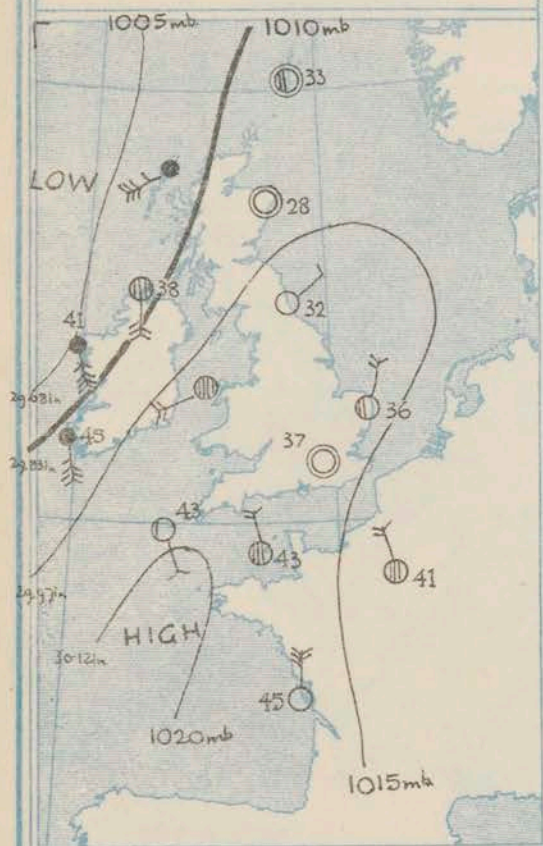
LONDON		HUMIDITY.		Sun-shine for Hours.	TEMPERATURE.			Rain-fall. mm.	WEATHER.		
		12 h.	9 h.		Max.	Min.	Min. on Grass.		Morning.	Afternoon.	Night.
1 st JANUARY 9h. G.M.T.		31 st	1 st	31 st	°F.	°F.	°F.				
GREENWICH (Royal Observatory)		87	100	0.0	42	33	26	0.3	o	o, od.	bc, bc, og
CITY (Bunhill Row)		*	*	0.0	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)		85	95	0.0	44	34	29	-	*	*	*
" (Roof near Charing Cross)		92	97	0.0	44	34	*	-	overcast, og.	o, bc.	bc, bc, om
CAMDEN SQ. (British Rainfall)		87	100	0.0	43	32	25	0.3	od.	o	*
KENSINGTON PALACE		*	96	*	42	33	24	-	o.	o, bc.	*
RICHMOND PARK		*	*	0.0	*	*	*	*	*	*	*

NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens. The barometric change is expressed in half-millibars.

1st.

JAN, at 1h. G.M.T.

THE MORNING OF Wednesday, 1st. JANUARY 1919 at 7h. G.M.T.



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. Calm

TEMPERATURE.—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

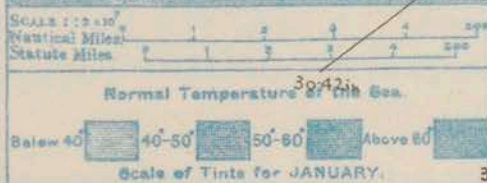
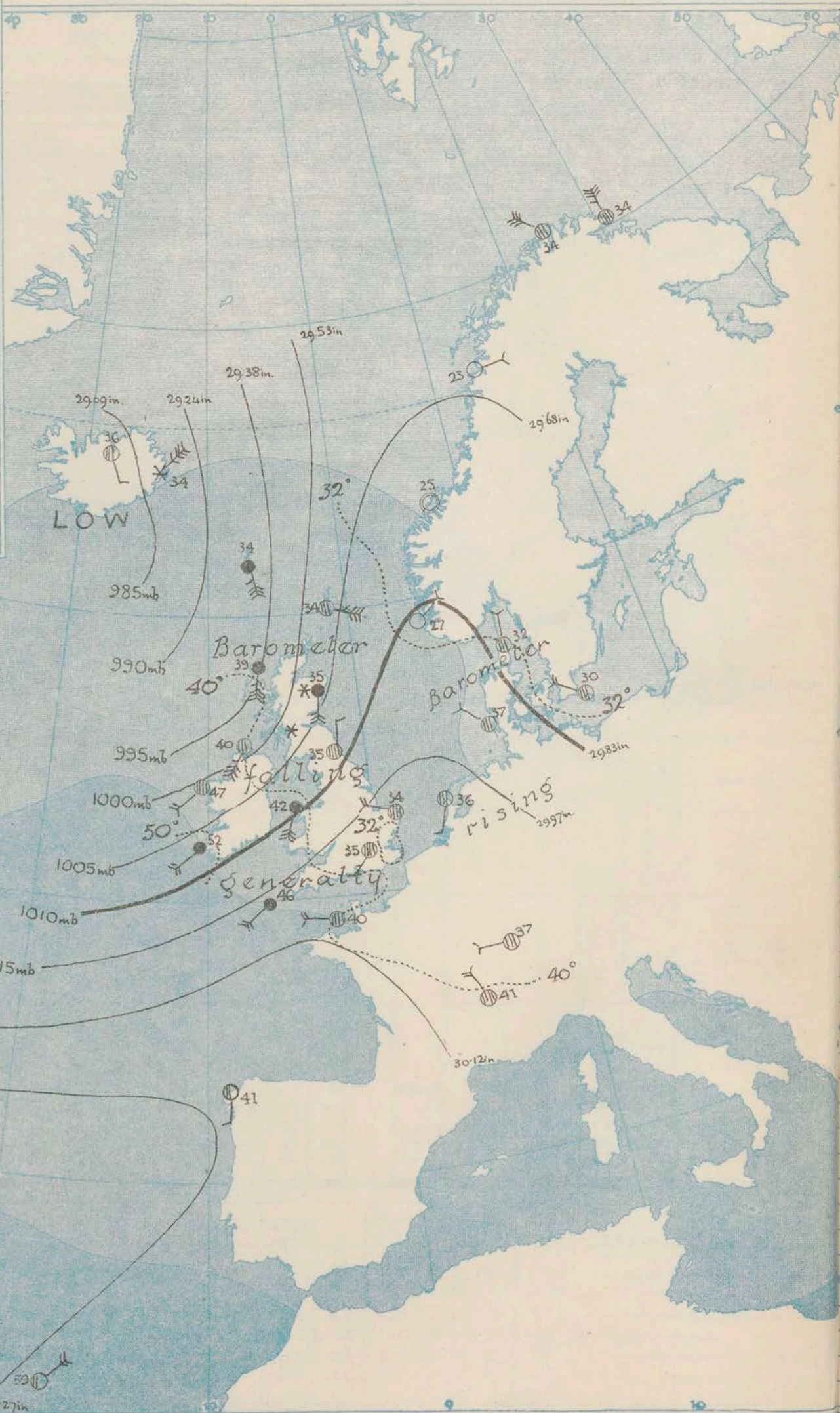
WEATHER.—Shown by the following symbols:—

○ clear sky. ○ sky & clouded. ○ sky & clouded.

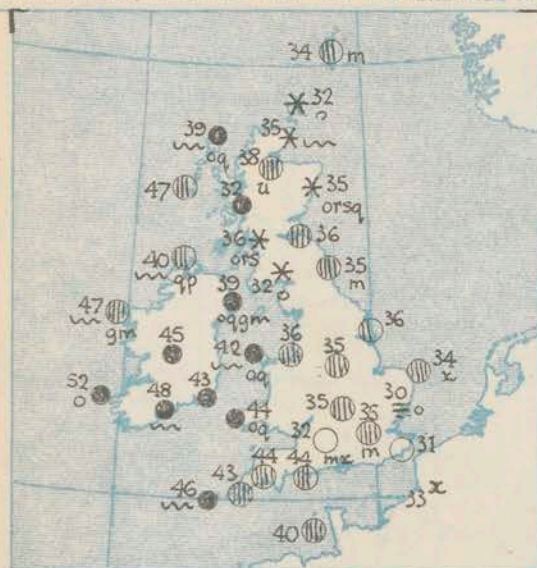
○ sky & clouded. ○ overcast sky. ● rain falling.

* snow. ▲ hail. ☼ fog. ☼ mist. T, thunder.

⚡, thunderstorm. Rough High



TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



NOTES.

Notes on the Weather of the 24 hours ended 7h. Today

Temperature remained below 40° very generally in Scotland and below 45° over the greater part of England and in some Irish localities. Frost occurred at night inland and also on many parts of the coast; at Eskdalemuir the minimum reading was 20° . Snow and sleet fell in Scotland, and rain in Ireland. Slight quantities of rain were experienced in various parts of England. Bright sunshine was more prevalent than of late except in the SE. of England; about 6 hours were recorded at Falmouth, Liverpool, Birr Castle, and Eskdalemuir.

The Conditions at 7h. Today

The appearance of another depression over the Icelandic region has caused the wind to back to the southward in all parts of the British Isles except in East Anglia, and to increase in force to a strong breeze or high wind on our western and northern coasts. At Houton Bay it has attained the force of a gale. Rain is falling in Ireland and Wales and sleet or snow in Scotland; in most English localities the sky is cloudy or overcast with fog on the Essex coast. Temperature has fallen decidedly in England; the lowest reading in the Kingdom at 7h. being 30° at Clacton-on-Sea.

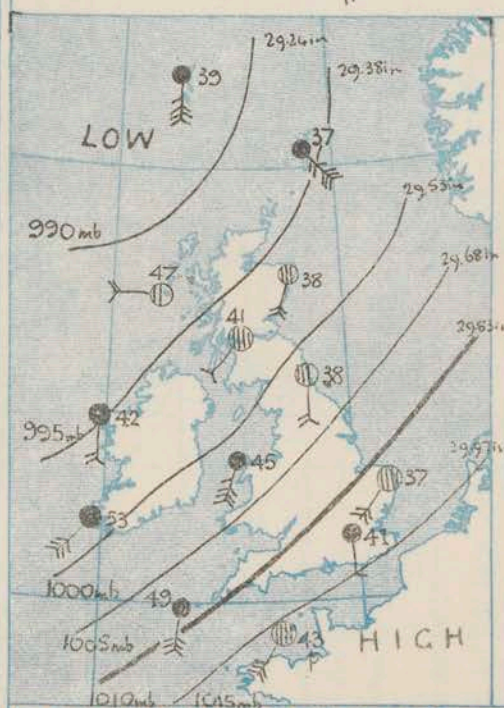
The Outlook

The pressure distribution will probably continue favourable for the passage of further disturbances from the Atlantic over the British Isles or their vicinity, and an unstable type of conditions is, therefore, likely to continue.

W.H.

Wednesday, 1st.

JANUARY, 1919, at 13h. (1p.m.) G.M.T.



A renewed fall of the barometer at Blacksod Point accompanied by a backing wind points to the approach of a secondary depression to Ireland. Rough, unsettled weather is, therefore, likely to continue.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919. No.1...

WEDNESDAY
1ST JANUARY

STATIONS.	EVENING OF 31 ST DEC.					MORNING OF 1 ST JAN.										24 HOURS ENDED 7 A.M. 1 ST JAN.					Sun- shine for 31 ST Hours.	
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 24 hours.	TEMP.		WIND.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.					
			Direc.	Force 0-12.				Dry Bulb.	Change in 24 hours.						Max.	Min.	Morning.	Afternoon.	Night.			
BRITISH ISLANDS.	Lerwick ...	1014.5	31	N	5	bc	1003.2	-10	34	+4	ESE	7	-	cm	4	0.3	35	27	bc,fs.	bc,fs	cm	*
	Houton B. (Orkney) ...	1016.6	30	NNE	1	b	999.1	*	32	0	SSE	8	+	s	*	*	*	*	*	*	*	
	Stornoway ...	1015.4	32	ENE	1	bc	993.4	-9	39	+3	S	7	-	org	6	8	39	32	bc.	bc.	org	2.0
	Castlebay (Barra Isd.) ...	1014.8	38	NE	1	bc	993.3	+7	47	+8	E	3	-	c	4	1	47	35	b.	bc.	bc,of.c	2.5
	Glasgow ...	1017.8	32	NE	2	b	1004.8	-11	36	+1	SSW	4	-	org	*	1	38	27	b,bc,b	b	bc,of.c	3.9
	Eskdalemuir ...	1017.9	28	-	0	b	1007.0	-10	32	-2	S	5	-	os	*	1	37	20	bc,ab	b	bc,os	5.8
	Malin Head ...	1014.9	36	S	2	bcv	998.2	-2	40	0	SSW	7	S	cqf	6	1	43	35	bcq	bcq	omqf.	1.8
	Blacksod Point ...	1015.8	39	SSE	3	cm	1000.1	0	47	+8	SW	3	-	org	5	4	49	36	bcv	bcv	omqf.	*
	Valencia (Cahirciveen) ...	1018.1	40	SE	3	c	1005.9	-6	52	+8	SW	4	-	org	*	10	52	38	bc,b	b,bc,c	bc,of.c	3.7
	Roche's Point ...	1019.1	37	WNW	1	b	1008.5	-4	48	+8	S	5	-	t	5	5	48	34	b.	b,bc,b	b,of.	*
	Birr Castle ...	1017.8	33	SE	1	o	1003.0	*	48	+11	SW	2	-	t	*	3	45	31	c.	bc,of.	of	6.0
	Donaghadee ...	1014.4	39	NE	3	bm	1004.9	-8	39	+2	SSW	5	-	org	4	1	42	35	bcq	bcq	bm,typ	*
	Liverpool (Bidston) ...	1016.7	38	N	1	m	1013.1	-3	36	-3	SSE	2	-	o	2	-	41	34	b.	b,bc	b,os	6.0
	Holyhead ...	1017.3	42	NNE	4	c.	1009.6	-6	42	-1	SW	6	-	org	5	3	44	36	bc,c.	bc,c.	bc,org	4.0
	Pembroke (St. Ann's) ...	1017.0	40	N	2	b	1013.3	-5	44	+1	SSW	5	-	org	4	0.1	46	37	bc.	bcv.	of, of.	5.3
	Hartland Quay ...																					*
	Scilly (St. Mary's) ...	1017.6	45	N	4	c	1014.6	-2	46	+1	SW	4	S	ot	5	0.2	47	42	bc,c.	c.	b,bc,c.	4.2
	Falmouth ...	1016.7	42	NNW	4	b	1016.8	-3	43	+1	SSW	3	-	o	3	46	34	bc,org	bcq,b	bc,c.o	6.2	
	Jersey (St. Aubin) ...	1012.8	45	NW	4	c	1017.8	0	40	-7	W	3	-	o	3	-	47	39	org.	org,c.	c,bc,o.	0.0
	Portland Bill ...	1013.2	41	N	4	bc	1016.9	-2	44	-1	SSW	3	-	c	3	-	45	38	bc.	bc.	bc,c.	*
	Dungeness ...	1008.3	43	N	4	cqf	1017.6	+2	31	-11	NNE	2	-	b	2	2	43	30	cr.	cqf,c.	c,b,bc.	*
Wick ...	1016.0	33	N	2	bcv	1000.1	-12	35	-1	SSE	7	-	s	5	1	38	29	omp,bc	c,bcv.	omp,ssu.	*	
Nairn ...	1016.3	33	-	0	cq	998.5	*	38	+1	WNW	2	-	ou	1	0.2	38	29	cq.	c,bc,c.	cq,fp.	0.0	
Aberdeen ...	1016.3	32	NNW	1	b	1004.2	-13	35	-3	S	5	-	org	4	2	38	29	ch,bc	osp,bc	b,org	1.8	
Leith ...	1016.8	36	NNW	2	b	1004.6	-3	36	0	SSE	1	-	o	2	0.2	39	30	b,bc,c.	b	b,bc,fo.	*	
Tynemouth ...	1014.6	40	NE	3	bm	1010.1	-5	35	-5	N	1	-	om	3	4	42	31	omqf	bcqf.	om	*	
Spurn Head ...	1012.7	42	NE	4	bcqf	1014.3	-1	36	-7	SW	3	-	bc	4	1	43	35	bcq.	bcqf	bc	2.4	
Yarmouth (Gorleston) ...	1010.1	42	NE	6	org	1016.7	+2	34	-8	NW	3	-	ox	3	1	44	32	of,c.	cqf.	b,bcx	0.0	
Clacton-on-Sea ...	1010.2	42	NNW	4	bc.	1017.6	0	30	-12	WNW	3	-	of	2	0.3	43	29	ch,c.	c,bc.	bc,bfx	0.0	
Nottingham ...	1014.9	39	N	2	b.	1014.1	*	35	-5	S	1	-	o	*	0.2	43	33	c,bc.	b	bc,c.	2.7	
Benson (Oxon.) ...	1012.6	39	N	4	bc	1016.4	-3	35	-5	SE	2	-	s	*	0.2	41	34	o.	bc.	b,o.	*	
Sth Farnborough ...			N.	5	c.	1017.6	+1	34	-6	S	2	-	ome	*	1	41	30	o,c,s	bc,c.	c,b,ome	0.0	
Salisbury Plain ...	1014.3	40	N	5	bcq	?	+4	32	-10	SSE	1	-	bmxc	*	-	42	28	o,c,org.	c,bcq.	bcq,bc	*	
London (Kew Obsy.) ...	1012.1	41	NNW	2	b	1017.9	-1	35	-6	SW	1	-	om	*	0.2	43	33	om,of,c.	o,c,bc,b	b,om,om	0.0	
NORTHERN EUROPE.	Spitsbergen ...																	THE BEAUFORT SCALE OF WIND FORCE.				
	Vardö ...	999.0	34	S	2	o	1000.6	+3	34	+4	N	7	-	o	4	*	37	23	Limits of Velocity.			
	Gjesvær ...	997.6	34	NW	4	c	1005.0	*	34	+9	NW	6	-	c	4	-	34	25	No.	Statute miles per hour.	Metres per second.	
	Bodö ...	1002.1	27	E	1	o	1004.7	+3	23	-4	E	2	-	b	1	-	27	21	0	Less than 1	Less than 0.3	
	Christiansund ...	1006.1	28	NW	4	S	1009.6	0	25	-7	-	0	-	b	3	6	34	23	1	1-8	0.3-1.5	
	Skudesnaes ...	1009.0	30	N	2	c	1010.1	-1	27	-3	NE	2	-	b	1	7	46	27	2	4-7	1.6-8.3	
	Færder (Xtania Fjord) ...	1005.1	23	NNW	1	o	1008.3	+2	27	+4	NNW	3	-	b	1	?	27	19	3	8-12	3.4-5.4	
	The Scaw (Skagen) ...	1004.6	30	N	1	o	1008.0	+3	32	+4	N	2	-	c	2	-	34	27	4	13-18	5.5-7.0	
	Blaavands Huk ...	1007.1	36	NNE	1	b	1012.6	+4	37	+7	NW	2	-	c	*	-	37	23	5	19-24	8.0-10.7	
	Copenhagen ...	1004.2	32	NW	2	c	1009.0	+2	32	-4	NW	2	-	c	*	-	36	28	6	25-31	10.8-13.8	
	Bornholm ...	1002.3	36	N	2	o	1008.7	+3	30	-9	NW	3	-	c	0	-	39	27	7	32-38	13.9-17.1	
FRANCE, &c.	The Helder ...	1009.0	39	NNE	5	o	1015.7	+2	36	-5	SSW	1	-	c	1	Trace	41	34	8	39-46	17.2-20.7	
	C. Gris Nez† ...	1008.2	43	N	5	T	1018.0	+3	37	-8	-	0	*	c	*	-	50	36	9	47-64	20.8-24.4	
	La Hève † ...	1009.3	45	N	6	T	1019.3	+4	41	-5	SSE	3	*	bc	*	3	46	39	10	55-63	24.5-28.4	
	Brest (St. Mathieu)† ...						1020.0	+2	46	-2	SW	2	*	c	*	4	48	45	11	64-75	28.6-33.5	
	Rochefort (Is d'Aix)† ...	1012.7	46	NNW	6	bc	1020.2	+4	43		N	4	*	b	*	5	44	43	12	Above 75	33.6 or above	
	Biarritz† ...	1012.2	52	NW	5	c	1021.0	+2	43		SE	2	*	c	*	11	54	43				
Paris† ...	1005.5	43	NW	2	o	1018.4	+4	39	-4	N	3	*	o	*	1	45	39					
Belfort ...	1006.3	39	WSW	3	bc	1016.3	*	37	-2	W	2	*	c	*	2	49	36					
Lyons ...	1007.1	41	WNW	2	c	1015.0	+5	41	0	NNW	3	*	o	*	3	48	37					
Nice† ...						1009.2	+1	41	-9	-	0	*	b	*	-	52	39					
Perpignan† ...	1008.2	48	NW	3	b	1015.4	+3	46	0	NW	4	*	b	*	-	55	45					
Sanguinaire ...																						
IBERIA, &c.	Corunna ...	1014.7	52	N	2	c	1023.9	+1	41	-11	S	1	NW	bc	3	Trace	54	41				
	Madrid ...																					
	Lisbon ...																					
	Azores (Horta) ...	1031.0	*	SW	4	bc	1030.4	-1	59	-1	WSW	1	*	b	2	3	66	59				
	„ (P. Delgada) ...	*											*									
Madeira ...	1026.9	64	NE	3	c	1027.8	-1	59	+2	NE	4	NE	bc	4	-	66	57					
Gibraltar ...																						
MEDITERRANEAN.	Algiers ...																					
	Malta ...	*	*	*	*	*																
	Salonica ...																					
	Athens ...																					
	Candia ...																					
	Limassol ...	*	*	*	*	*	1010															

THE BEAUFORT SCALE OF WIND FORCE.

No.	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.3
1	1-8	0.3-1.5
2	4-7	1.6-3.3
3	8-12	3.4-5.4
4	13-18	5.5-7.0
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

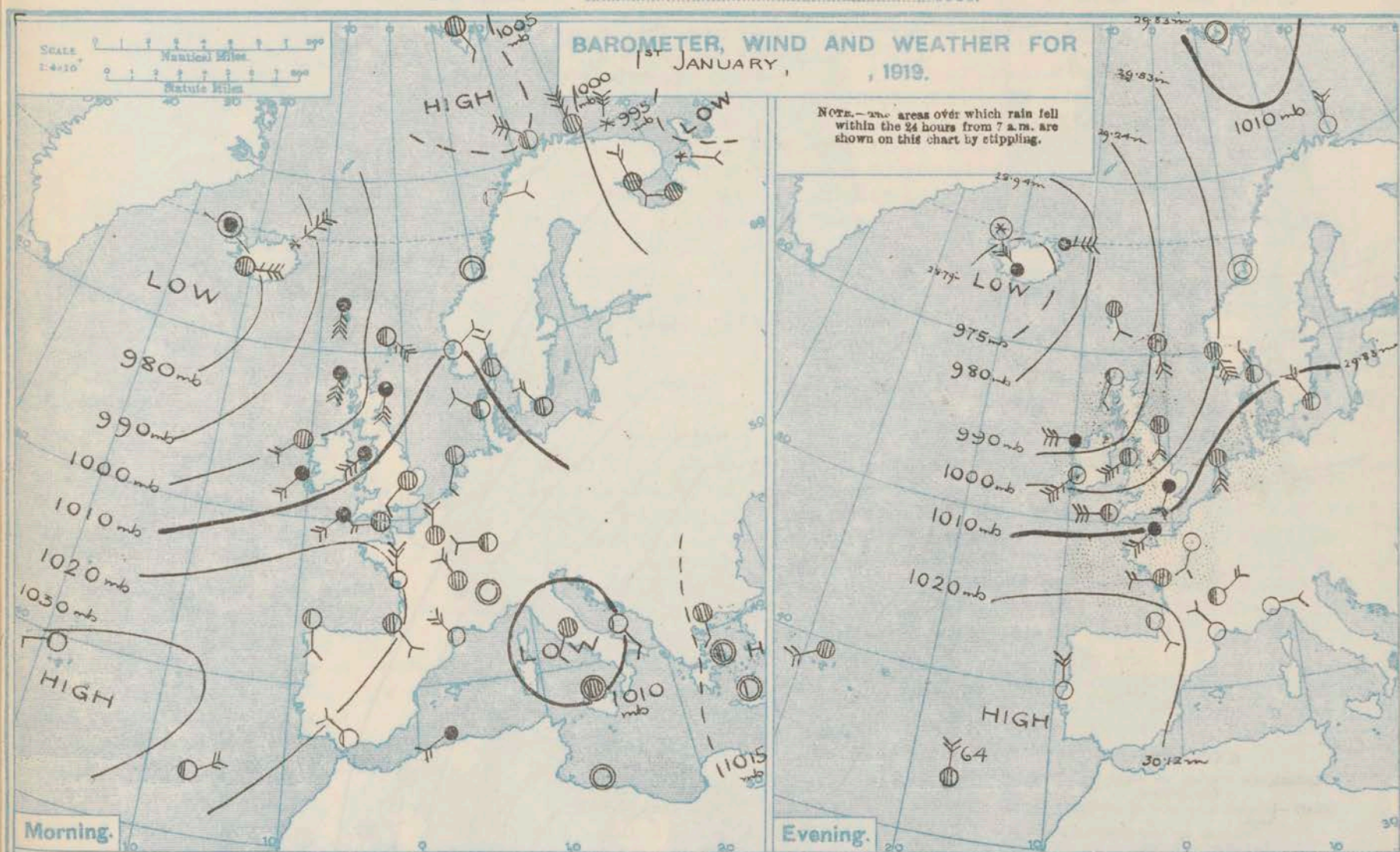
BEAUFORT NOTATION.

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.

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20860

THURSDAY, 2ND JANUARY, 1919.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 1ST JANUARY.

STATIONS.		EVENING OF 31 ST Dec.					MORNING OF 1 ST Jan.										MORNING OF 1 ST Jan.						
		Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	Barom. Milli- bars at M.S.L.	TEMP.		WIND.			
				Direc.	Force 0-12.				Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.	Weather.
RUSSIA.	Orlov ...	*	*F.	*	*	*	993.3	*	*F.	*F.	SE	2	a		*F.	*F.							
	Kem ...	*	*	*	*	*	995.9				NW	2	a		*	*					r		
	Archangel ...	*	*	*	*	*	995.3				-	0	b		*	*					c		
	Mesen...	*	*	*	*	*									*	*							
SWEDEN.	Haparanda ...							*						*	*	*							
	Hernösand ...							*						*	*	*							
	Stockholm ...							*						*	*	*							
	Wisby ...							*						*	*	*							
	Sordovalä ...							*						*	*	*							
	Hangö ...							*						*	*	*							
ITALY.	Venice ...	1002.9	48	-	0	r	1009.5	*	43	WNW	1	r	3	50	39								
	Turin ...	1005.8	37	-	0	b	1011.9	*	32	-	0	b	1	39	32								
	Pesaro ...	1005.8	51	-	0	o	1010.6	*	45	-	0	r	8	59	43								
	Leghorn ...	1005.1	55	-	0	o	1008.5	*	50	-	0	o	5	59	48								
	Rome ...	1008.1	54	S	1	b	1009.3	*	54	SW	1	o	3	59	50								
	Viesti ...	1009.3	50	ENE	2	b	1010.3	*	50	SE	1	b	-	54	30								
	Brindisi ...							*															
	Cagliari ...	1008.2	52	SSE	4	b	1008.5	*	54	W	4	o	5	63	50								
	Palermo ...	1009.4	52	-	0	b	1010.1	*	50	+	7	-	0	66	43								
	Tripoli ...	1013.5	52	SSE	2	b	1010.9	*	52	-	0	o	o	?	48								
TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM																							
2 ND AND 3 RD JAN. 1919.																	Sunrise.		Noon.		Sunset.		
																	G.M.T.		G.M.T.		G.M.T.		
Yarmouth ...																	8.6		11.57		3.48		
Greenwich ...																	8.6		11.58		3.49		
Wick ...																	8.8		12.4		4.0		
Valencia ...																	8.8		12.5		4.1		
																	9.5		12.16		3.28		
																	9.4		12.17		3.29		
																	8.51		12.45		4.39		
																	8.51		12.46		4.40		

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

2 ND AND 3 RD JAN. 1919.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	8.6	11.57	3.48
Greenwich ...	8.8	12.4	4.0
Wick ...	9.5	12.16	3.28
Valencia ...	8.51	12.46	4.40

LONDON

2ND JANUARY, 9h. G.M.T.

	Humidity.		Sun-shine for 1 ST	TEMPERATURE.			Rain-fall.	WEATHER.		
	15 h.	9 h.		Max.	Min.	Min. on Grass		Morning.	Afternoon.	Night.
GREENWICH (Royal Observatory)	85	81	0.0	47	34	34	7	o	cn. or.	c.k. b.
CITY (Bunhill Row)	...	...	0.0	...	...	...	...	...	...	...
WESTMINSTER (St. James's Park)	91	88	0.0	48	35	33	7	...	...	...
" (Roof near Charing Cross)	88	78	0.0	47	36	...	7	sm. o.	...	...
CAMDEN SQ. (British Rainfall)	100	82	0.0	47	35	31	9	o	o. or	...
KENSINGTON PALACE	...	75	...	47	35	33	7	o	...	...
RICHMOND PARK	...	...	...	...	...	...	...	...	...	...

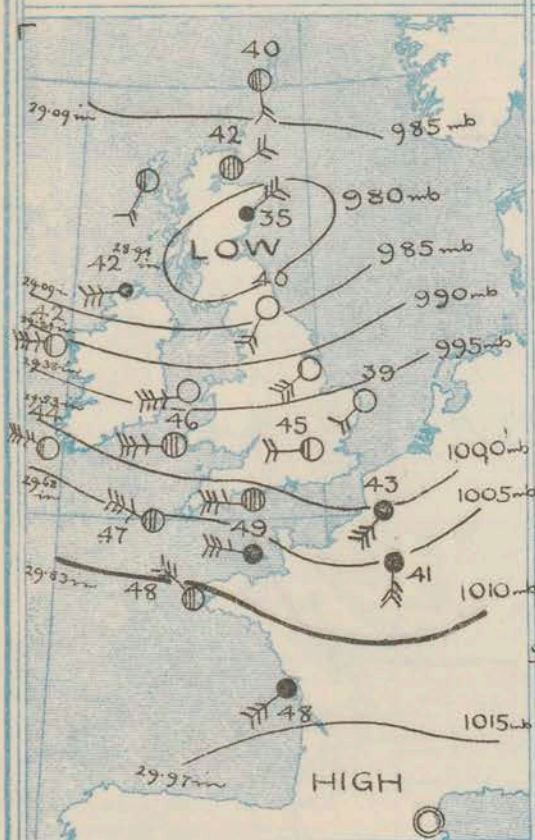
SOUTH KENSINGTON (M.O.)

Vertical Component of Solar Radiation per square Centimetre during 1ST

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
90	32	6

2ND

JAN, at 1h. G.M.T.

THE MORNING OF THURSDAY, 2ND JANUARY 1919 at 7h. G.M.T.

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.

TEMPERATURE.—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

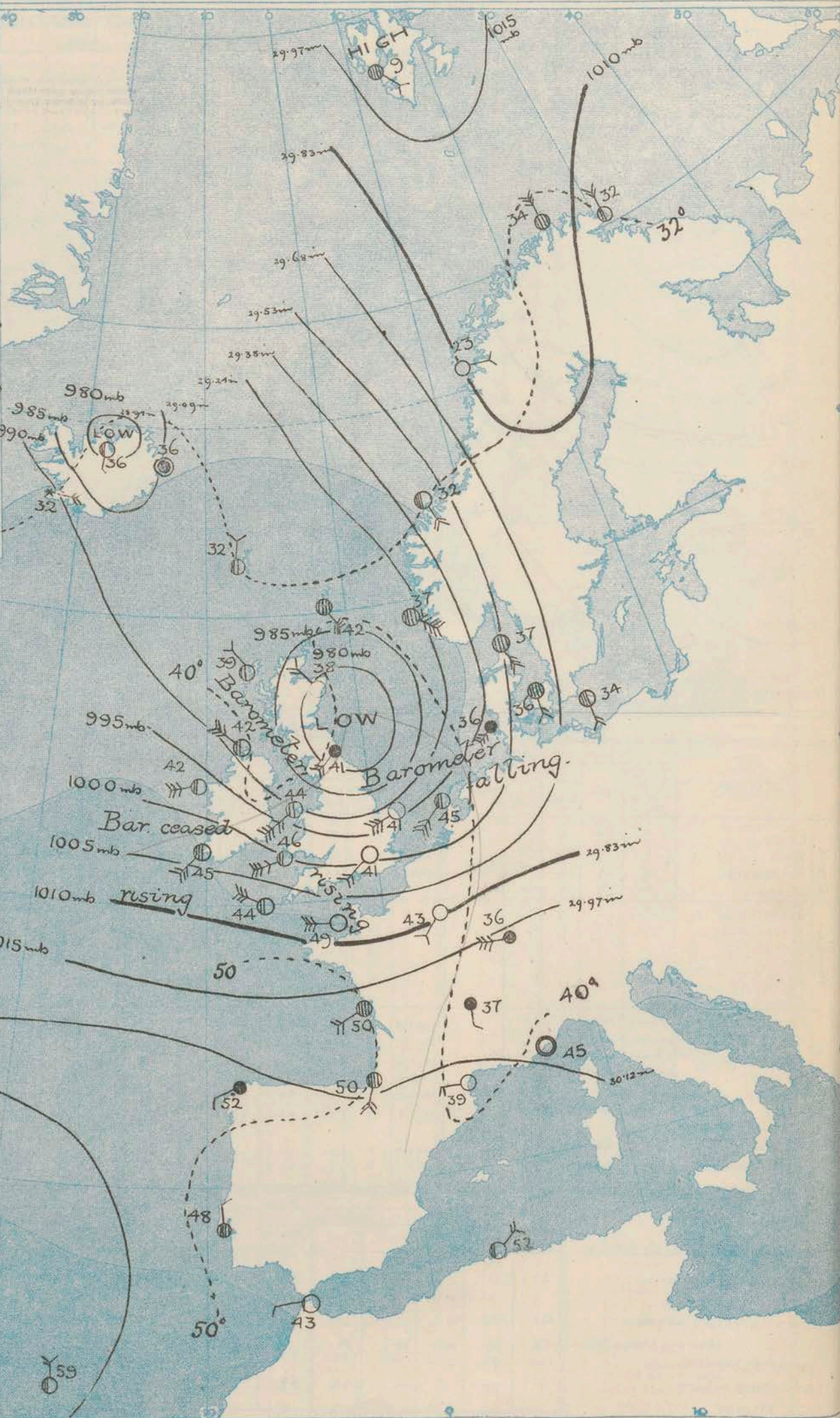
WEATHER.—Shown by the following symbols:—

○ clear sky. ○ sky & clouded. ○ sky & clouded.

○ sky & clouded. ○ overcast sky. ○ rain falling.

* snow. ▲ hail. ≡ fog. ≡ mist. T. thunder.

SEA DISTURBANCE.—Rough. Higher.



SCALE 1:100,000
Nautical Miles
Statute Miles

Normal Temperature of the Sea.

Below 40° 40°-50° 50°-60° Above 60°

Scale of Tints for JANUARY.

TEMPERATURE

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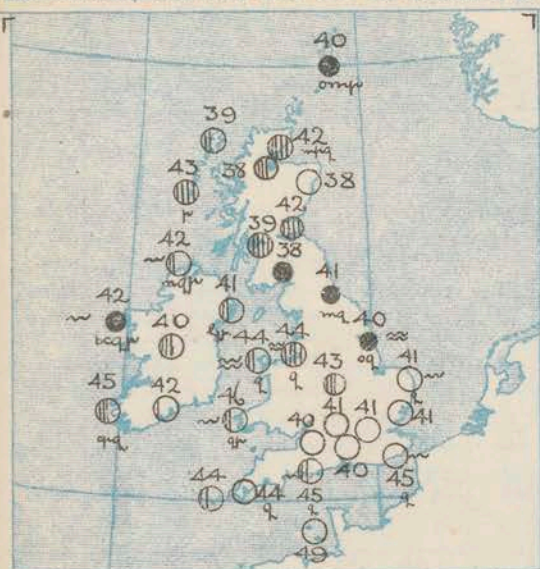
TEMPERATURE

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TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



NOTES.

Lerwick. SE. 8-15h (1st)
 Exl. SE. 9 at 13h
 Eskdale. Extreme SW 8
 at 21h. (1st).
 Gust 24 mps during night.
 Blacksod. W 19h (1st) - 4h (2nd)
 Ext. W 10 at 23h (1st)
 Donaghadee.
 NW 4h-6h (2nd)
 Liverpool. WSW 1h-7h (2nd)
 Holyhead. W 9 at 7h (2nd)
 Falmouth WSW 8 at 18h (1st)

St. Ann's Head
 W 8 at 21h (1st) 1h-7h (2nd)
 Scilly WNW 22h (1st) - 4h (2nd)
 Ext. WNW 9 at 1h.
 Dungeness
 SW 8 at 19h - Midnight.
 Spurn Head
 SW 8 in squalls.
 Clacton. S 8. 19-22h (1st)
 Southport.
 20h (1st) - 8h (2nd)
 Extreme force 11.

Notes on the Weather of the 24 hours ended 7h. Today

Temperature remained below 50° except at some stations in Ireland, Wales, and the south-west of England - below 45° in the north-east and east. Heavy rain, sleet and snow fell in the south-west of Scotland; 37 mm. at Eskdalemuir, and 24 mm. at Glasgow. In Ireland and England rain was general, the quantity being moderate in most districts, but heavy in some localities. At Malin Head it measured 27 mm, at Falmouth and at Holyhead 16 mm. In most places there was no bright sunshine, but at Castlebay the record was 2.2 hours, and at Nairn, Aberdeen, and Malin Head about 1 hr. SW. to W. gales were experienced yesterday or in the night over a large area in the west and south-west.

The Conditions at 7h.

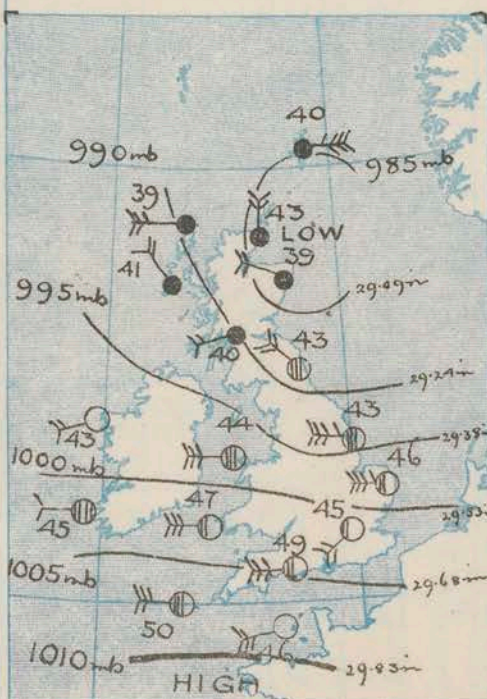
Pressure is lowest in a depression over Iceland, and in another over the North Sea, and highest over the Azores-Madeira region. The North Sea depression travelled eastward during the night and is now centred not far from the east coast of Scotland. Pressure is changing very little over the British Isles generally, and a rise which had begun on the south-west coast of Ireland has now ceased. In Scotland it is rising slowly, while a brisk fall is in progress over the eastern part of the North Sea. The wind blows a fresh to strong gale from the Westward in the Irish Sea, and the Westerly to South-Westerly wind general in Ireland and England is fresh or strong in many places. In Scotland the wind is moderate from NW. or N, while at Lerwick there is a strong wind from ESE. and at Skudesnaes a strong gale from that point. The weather is fair at many stations in the British Isles but rain is falling in the north of Ireland and NE. of England and showers are reported locally elsewhere.

The Outlook.

The cessation of the barometric rise at Valencia probably indicates the approach of another depression from the Atlantic, which will prolong the unstable weather conditions over the British Isles.

M.H.

THURSDAY, 2nd JANUARY, 1919, at 13h. (1p.m.) G.M.T.



The barometer in the SW. of Ireland is very unsteady, and it is probable that small secondary depressions will pass over the Kingdom from the westward. The North Sea depression is moving eastward.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919. No. 2...

THURSDAY
2ND JANUARY

STATIONS.	EVENING OF 1 ST					MORNING OF 2 ND										24 HOURS ENDED 7 A.M. 2 ND					Sun- shine for 1 ST Hours.		
	Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 8 hours.	Temp. °F.	Dry Bulb.	Change in 24 hours.	WIND.		Dir. of Upper Cloud.	Weather.	Sea 9-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
			Dir.	Force 0-12.							Dir.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick ...	990.8	40	S	4	om.	985.2	-2	40	+6	ESE	6	-	omf.	4	8	41	32	omf.	om.	om.	*	
	Houton B. (Orkney) ...	989.8	37	S	3	b.	983.9	+1	39	+7	NNE	6	-	o	3	4	40	32	o	om. 2	h	*	
	Stornoway ...	986.0	37	SSW	4	bm.	986.5	+3	39	0	NW	2	-	bc	2	2	44	34	omf. bc.	om. bc.	bc	1.6	
	Castlebay (Barra Isd.) ...	985.2	46	SE	4	o	988.3	+5	43	-4	NW	4	-	of	4	5	48	42	c. of bc.	bc. o	om. of.	2.2	
	Glasgow ...	988.0	39	E	3	oma.	984.8	+7	39	+3	W	3	-	o	24	42	32	omf.	omf.	om. o. of.	o. o	0.0	
	Eskdalemuir ...	989.6	36	SSE	3	or	983.6	+7	38	+6	WNW	6	-	or	37	42	32	as. of s.	om.	om. o. of.	o. o	0.0	
	Malin Head ...	985.0	43	S	2	omf.	988.8	+10	42	+2	WNW	6	W	bc. omf.	6	27	45	38	omf.	omf.	bc. omf.	1.0	
	Blacksod Point ...	988.6	41	W	6	omf.	997.2	+1	42	-5	W	6	-	bc. omf.	6	11	47	38	omf.	omf.	bc. omf.	0.0	
	Valencia (Cabrilsveen) ...	999.7	47	WSW	7	b	1003.6	0	45	-7	WSW	5	-	bc. omf.	4	6	53	42	om.	om.	bc. omf.	0.8	
	Roche's Point ...	999.2	47	W	4	b.	1003.5	+1	42	-6	W	4	-	b	4	4	53	41	rd. om.	om. c. b.	b. bc. f.	*	
	Birr Castle ...	993.6	42	W	3	c	999.2	*	40	-5	WSW	2	-	c	6	51	39	om. of.	om. of.	om. of.	om. of.	0.0	
	Donaghadee ...	987.4	45	SW	2	omf.	989.5	+7	41	+2	NW	6	NW	bc. omf.	6	14	46	34	omf. omf.	omf. omf.	bc. omf.	*	
	Liverpool (Bidston) ...	992.6	41	S	5	o	991.2	+2	44	+8	WSW	9	W	omf.	7	6	49	36	o.	od.	om.	0.0	
	Holyhead ...	990.8	50	SW	7	c. of	994.7	+4	44	+2	W	9	W	bc. omf.	8	16	50	41	omf.	omf.	c. b. bc. f.	0.0	
	Pembroke (St. Ann's) ...	997.7	51	WSW	6	c. of	1000.8	+2	46	+2	W	8	-	bc. omf.	6	10	51	39	omf.	omf.	bc. omf.	0.0	
	Hartland Quay ...	997.7	51	WSW	6	c. of	1000.8	+2	46	+2	W	8	-	bc. omf.	6	10	51	39	omf.	omf.	bc. omf.	0.0	
NORTH EUROPE.	Scilly (St. Mary's) ...	1004.9	51	W	6	c	1008.3	0	44	-2	WNW	6	NW	bc	7	13	52	42	omf.	om. c.	bc. omf.	0.0	
	Falmouth ...	1002.8	52	WSW	8	od. of	1007.8	+1	44	+1	W	5	-	bc	20	52	40	omf.	omf.	omf.	omf.	0.0	
	Jersey (St. Aubin) ...	1010.6	43	SW	5	om	1008.7	0	49	+9	W	6	-	b	4	11	49	39	o. c.	om. of.	om. b.	0.0	
	Portland Bill ...	1003.5	45	SW	7	c. of	1003.5	+2	45	+1	W	6	-	bc. omf.	5	11	45	41	om.	om.	bc. omf.	*	
	Dungeness ...	1008.0	43	SW	7	omf.	1000.3	+2	45	+14	WSW	6	-	bc	6	10	48	30	bc. c.	omf.	om. c. b.	*	
	Wick ...	989.3	38	WSW	2	b.	981.7	+1	42	+7	NNE	5	-	omf. of	4	6	43	34	omf. c.	c. b.	bc. omf.	*	
	Nairn ...	987.3	38	-	0	o	982.8	*	41	+3	WNW	4	-	omf. of	3	1	42	36	o. c. of	om. of.	om. of.	1.2	
	Aberdeen ...	990.7	38	SSW	1	om.	977.7	+5	38	+3	NW	3	-	b	3	11	41	35	o. c. bc.	bc. om.	om. of.	1.9	
	Leith ...	987.6	42	SSE	2	r	983.7	+1	42	+6	WNW	4	-	o	4	12	44	34	od. of	om.	om.	*	
	Tynemouth ...	992.3	39	S	4	omf.	979.0	+1	41	+6	SW	4	-	omf. of	4	3	43	34	omf.	omf.	omf.	*	
	Spurn Head ...	998.0	38	S	6	omf.	986.3	-4	42	+6	SW	7	-	omf.	7	4	44	35	bc. om.	omf.	omf.	0.0	
	Yarmouth (Gorleston) ...	1008.4	41	SSW	6	omf.	995.3	-1	41	+7	W	6	-	bc	6	7	43	33	om. om.	omf.	omf.	0.0	
	Clacton-on-Sea ...	1007.5	42	SSW	5	omf.	998.4	+1	41	+11	SW	5	-	b	4	7	44	30	f. omf.	omf.	omf.	0.0	
	Nottingham ...	998.2	41	SSW	3	o	992.2	*	43	+8	WSW	5	W	c	5	5	47	35	om.	om.	om.	0.0	
	Benson (Oxon.) ...	1004.3	41	S	5	r	999.3	+2	41	+6	WSW	5	-	b	8	47	34	om.	om.	om.	*		
	Sth Farnborough ...	1004.6	41	SSW	6	omf.	1000.8	0	40	+6	WSW	6	-	b	5	47	33	omf. om.	omf.	omf.	0.0		
Salisbury Plain ...	1003.6	43	SW	6	omf.	1001.6	-4	32	0	SSE	1	-	omf.	2	42	28	om.	om.	om.	*			
London (Kew Obs.) ...	1004.9	41	SSW	4	r	1000.2	0	41	+6	SW	4	-	b	7	46	34	om. omf.	omf.	omf.	0.0			
FRANCE, &c.	Spitsbergen ...	1010.9	3	-	0	b	1016.2	+3	9	+6	SE	2	*	o	4	10	18						
	Vardö ...	1006.3	34	N	8	o	1008.0	+1	32	-2	N	4	-	bc	3	34	28						
	Gjesvær ...	1009.5	30	NNE	4	b	1012.0	*	34	0	N	6	-	o	4	34	28						
	Bodö ...	1010.7	21	E	2	b	1011.4	0	23	0	E	2	-	b	1	23	19						
	Christiansund ...	1002.4	27	-	0	b	997.0	+2	32	+7	SE	4	-	c	3	32	23						
	Skudesnaes ...	998.4	34	ESE	8	o	989.9	-9	37	+10	ESE	9	-	o	5	37	27						
	Færder (Xantia Fjord) ...	1010.3	27	SE	1	b	1002.9	-4	30	+3	SE	6	-	s	3	30	28						
	The Scaw (Skagen) ...	1009.5	30	NW	1	c	1000.0	-5	37	+5	SE	5	-	o	5	37	27						
	Blaavands Huk ...	1010.1	37	S	2	o	995.1	-11	36	-1	SSW	6	-	o	1	41	32						
	Copenhagen ...	1012.8	32	WSW	2	o	1003.4	-7	36	+4	SSE	3	-	o	3	36	30						
	Bornholm ...	1013.0	32	NW	4	c	1007.9	-4	34	+4	S	3	-	c	0	34	28						
	The Helder ...	1009.3	35	S	5	o	994.7	0	45	+9	SW	6	-	c	4	7	45	32					
	C. Gris Nez ...	1009.6	43	SSW	5	r	1001.6	0	46	+9	WSW	7	*	bc	7	7	45	37					
	La Hève ...	1011.3	43	SW	5	r	1008.2	+1	45	+4	W	6	*	b	3	46	41						
	Brest (St. Mathieu) ...	1010.4	50	SSW	5	f	1013.1	+1	48	+2	WNW	4	*	bc	4	50	43						
	Rochefort (Ile d'Aix) ...	1019.0	48	W	3	o	1016.4	+1	50	+7	WSW	4	*	o	8	50	43						
Biarritz ...	1021.7	48	SE	2	b	1019.4	-1	50	+7	SSW	4	*	o	Trace	32	43							
IBERIA, &c.	Paris ...	1016.7	39	SSW	2	b	1010.7	+3	43	+4	SSW	2	*	b	8	45	39						
	Belfort ...	1016.2	*	*	*	*	1016.2	*	36	-1	W	6	*	r	Trace	43	34						
	Lyons ...	1019.7	41	NNE	3	c	1019.8	+1	37	-4	S	1	*	r	Trace	46	34						
	Nice ...	1016.2	45	E	2	b	1019.5	+1	45	+4	-	0	*	c	Trace	52	39						
	Perpignan ...	1018.9	46	NW	2	b	1021.3	+1	39	-7	W	1	*	o	Trace	50	34						
	Sanguinaire ...	1018.9	46	NW	2	b	1021.3	+1	39	-7	W	1	*	o	Trace	50	34						
	Corunna ...	1023.1	54	S	1	o	1021.7	0	52	+11	WSW	1	-	r	1	54	41						
	Madrid ...	1024.4	52	N	4	b	1024.8	-1	48	0	N	1	-	a	5	55	48						
	Lisbon ...	1024.4	52	N	4	b	1024.8	-1	48	0	N	1	-	a	5	55	48						
	Azores (Horta) ...	1029.5	*	WSW	4	o	1029.3	0	60	+1	N	4	*	o</									

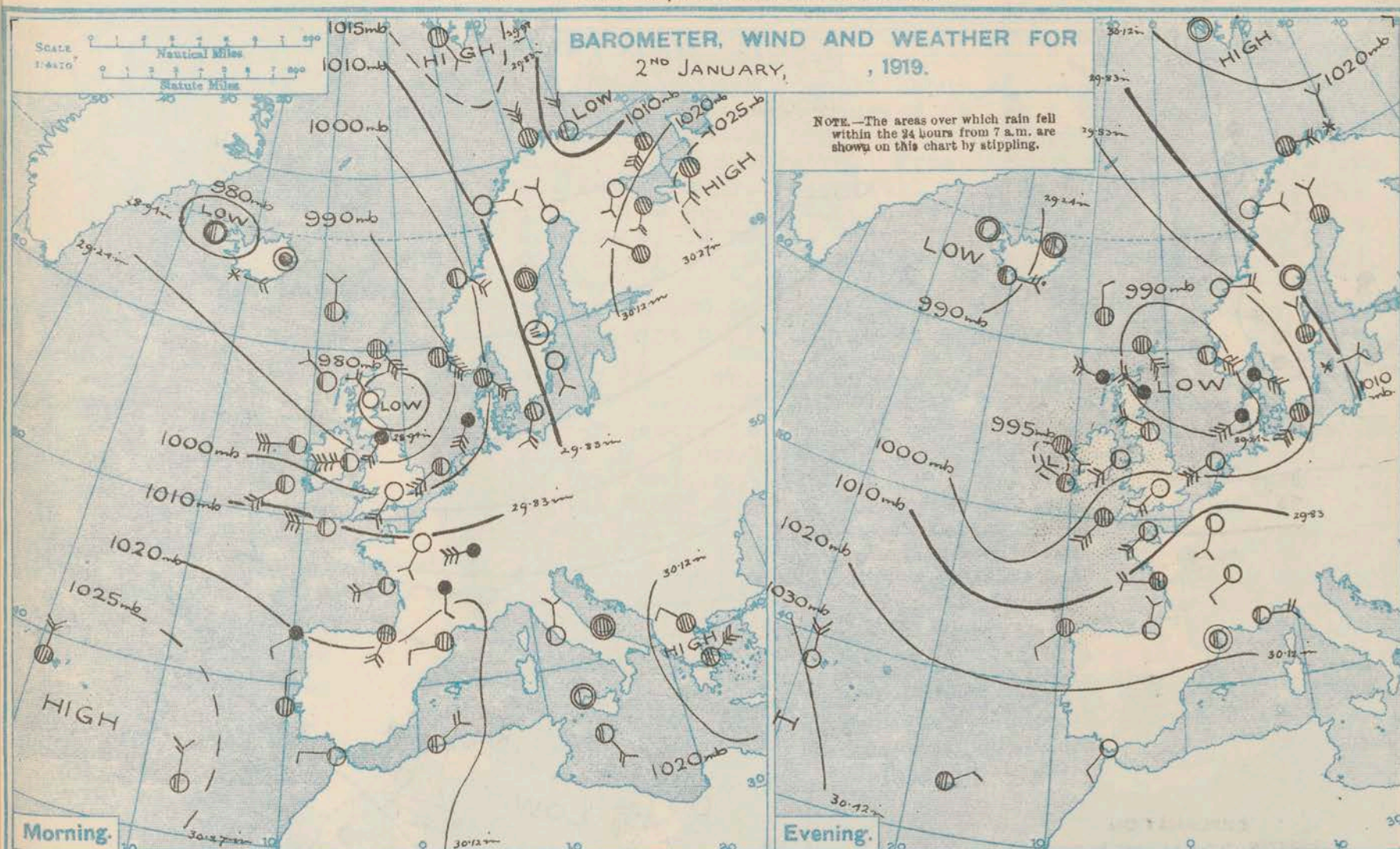
THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity.	
	Stat	

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20,861.

FRIDAY, 3RD JANUARY, 1919.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 2ND JANUARY.

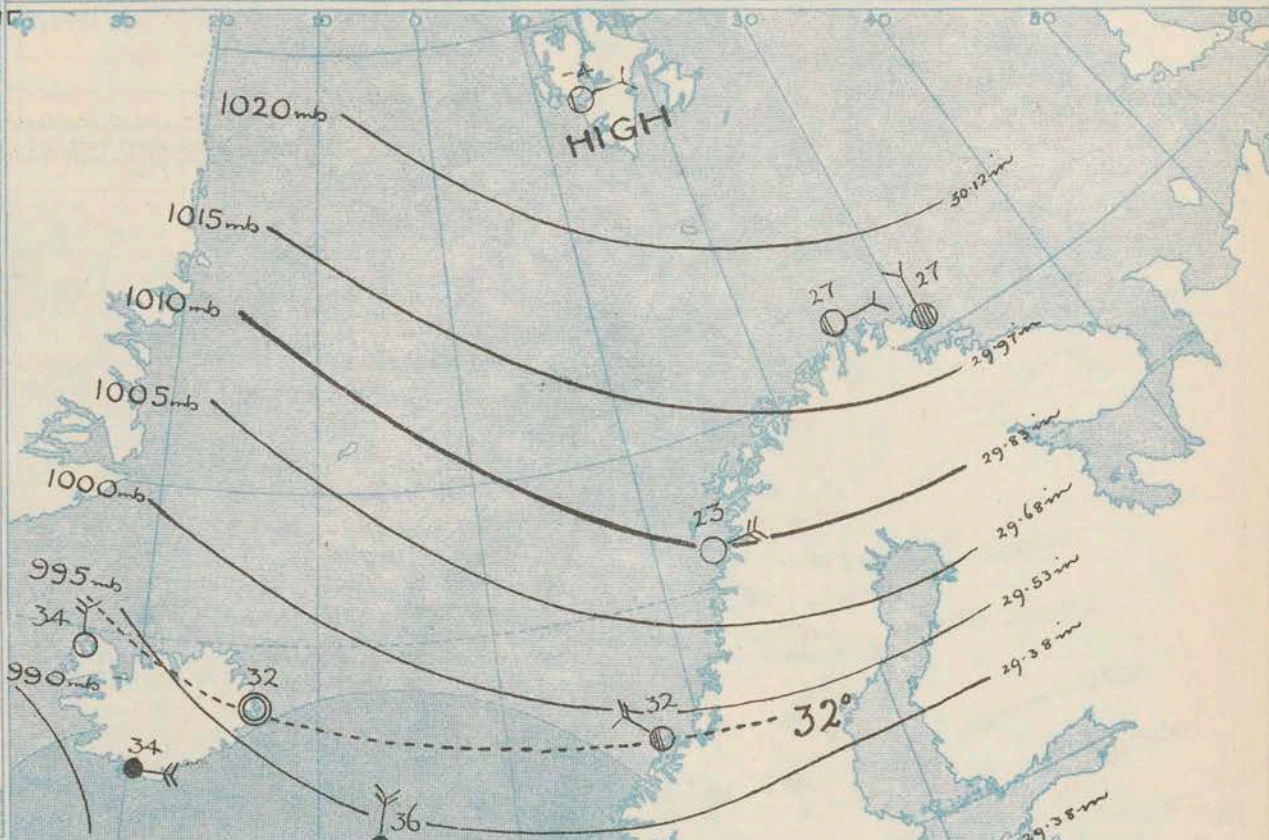
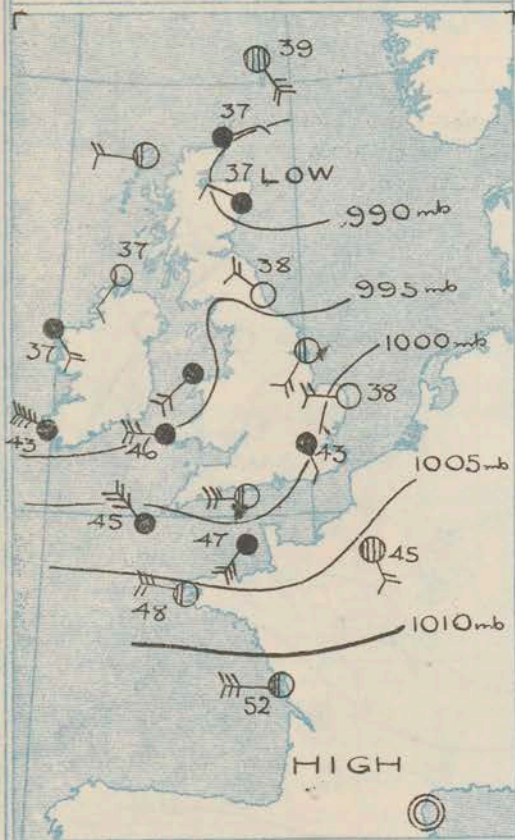
STATIONS.		EVENING OF 1 ST					MORNING OF 2 ND										MORNING OF 2 ND											
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.						
				Dir.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Dir.		Force 0-12.	Weather.				
		* F.							* F.	* F.					* F.	* F.		* F.	* F.									
RUSSIA.	Orlov ...	*	*	*	*	*	1017.6	?	37	+19	SW	6	c	-	*	*	Isafjord ...	978.6	34	-9	-	0	c					
	Kem ...	*	*	*	*	*	1022.1	?	39	+21	SW	2	o	-	*	*	Reykjavik	981.2	32	-5	E	4	s					
	Archangel	*	*	*	*	*	1025.5	0	36	+42	SW	3	o	1	*	*	Vestmanna	982.0	32	-5	W	2	r					
	Mesen...	*	*	*	*	*	1023.8	?	32		S	3	o	-	*	*	Seydisfjord	985.2	36	+2	-	0	r					
SWEDEN.	Haparanda						1010.3	*	9		NNW	2	b	*	*	*	Thorshavn	987.5	32	-2	N	2	c					
	Hernösand						1012.4	*	16			0	o	*	*	*												
	Stockholm						1012.4	*	18			0	f	*	*	*												
	Wisby ...						1012.6	*	27		S	2	b	*	*	*												
	Sordovalä						1002.6	*	21		NW	1	o	*	*	*												
	Hangö ...						1011.0	*	23			0	o	*	*	*												
TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM																												
ITALY.		3 RD AND 4 TH JAN. 1919.															Sunrise.			Noon.			Sunset.					
																	G.M.T.			G.M.T.			G.M.T.					
																	Yarmouth ...			8-6			11-58			3-49		
																	Greenwich ...			8-5			11-58			3-50		
																	Wick ...			8-8			12-5			4-1		
																	Valencia ...			8-8			12-5			4-2		
																				9-4			12-17			3-29		
																				9-3			12-17			3-30		
																				8-51			12-46			4-40		
																				8-50			12-46			4-41		

LONDON				24 HOURS ENDED 0 h. 3 RD									
3 RD JANUARY 9h. G.M.T.				Humidity.			Temperature.			Rain-fall.	Weather.		
				15 h.	9 h.	Sun-shine for 2 ND	Max.	Min.	Mn. on Grass		Morning.	Afternoon.	Night.
				%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)				73	85	6.0	46	38	30	7	b	b	cor.ckb
CITY (Bunhill Row)				*	*	1.2	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)				77	88	3.4	47	40	30	9	q	q	*
(Roof near Charing Cross)				75	85	5.0	46	41	*	9	bg	bg.	be. or. be
CAMDEN SQ. (British Rainfall)				75	89	2.6	46	39	30	10	c	c	*
KENSINGTON PALACE				*	86	*	46	40	29	10	b	b	*
RICHMOND PARK				*	*	5.6	*	*	*	*	*	*	*

SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 2 ND ...		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
242	8.6	19

3RD JAN, at 1h. G.M.T.

THE MORNING OF FRIDAY, 3RD JANUARY 1919 at 7h. G.M.T.



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.

TEMPERATURE.—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

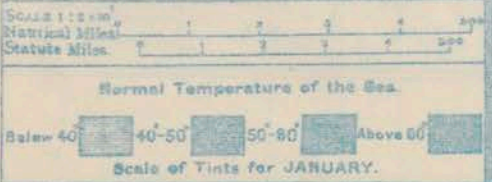
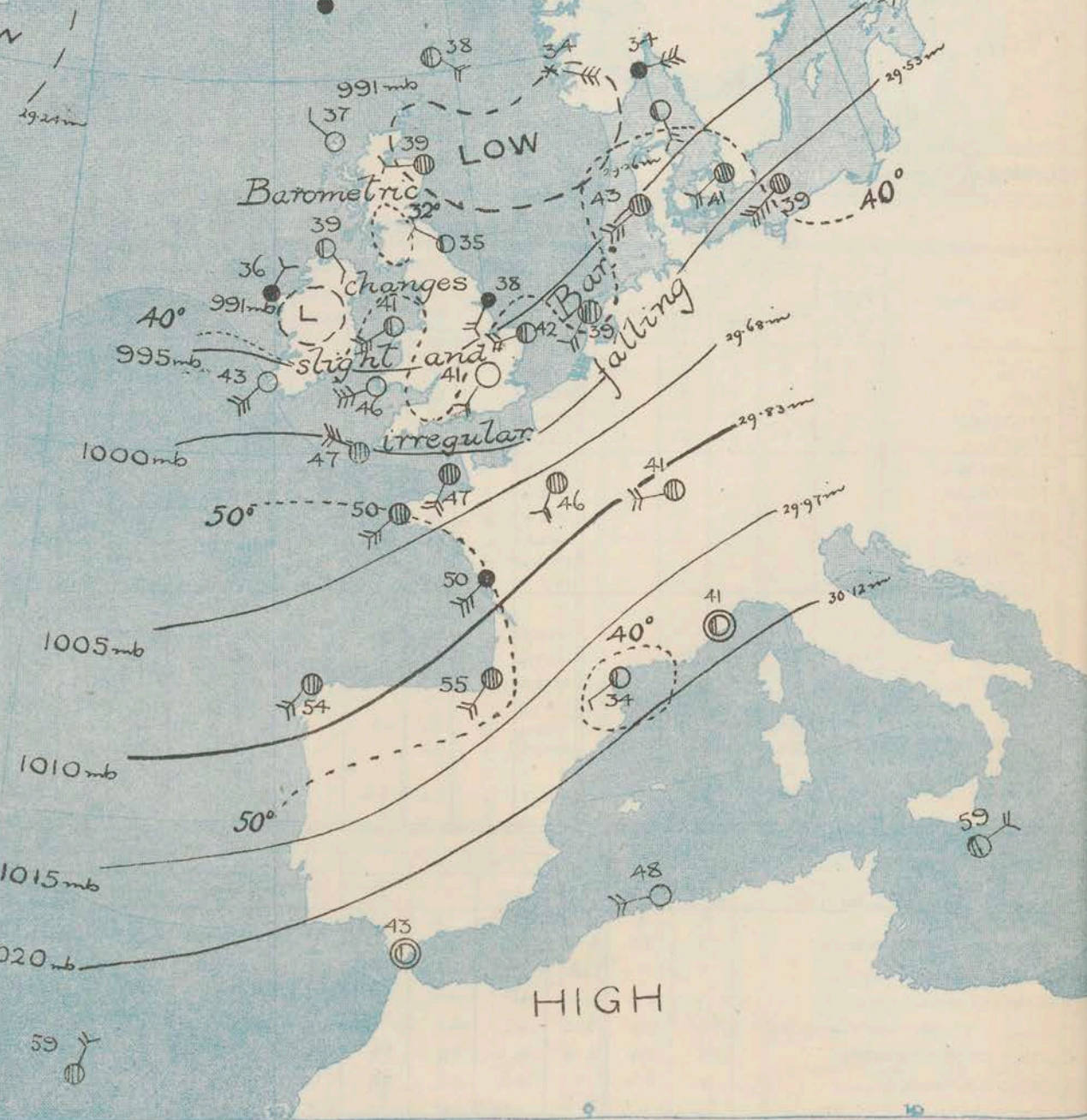
WEATHER.—Shown by the following symbols:—

○ clear sky. ○ sky 1/2 clouded. ○ sky 3/4 clouded.

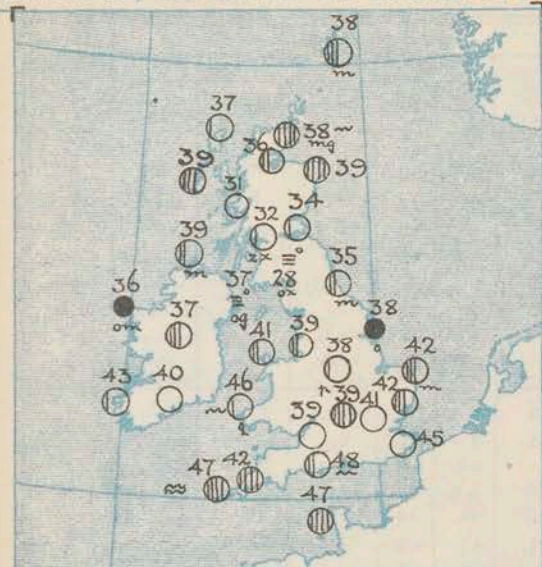
● sky 3/4 clouded. ● overcast sky. ● rain falling.

* snow. ▲ hail. ≡ fog. ≡ mist. T, thunder.

SEA DISTURBANCE.—Rough. High.



TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



NOTES.

Lerwick

E. 10h-12h (2nd)Ext. E g at 10h (2nd)

St. Ann's Head

W. 8 Midnight-8h (2nd)

Valencia.

Gust 23 mps at 4h (3rd)

Southport.

Gale 9h-12h, 14h+15h

Ext. force 9 at 9h.

Notes on the Weather of the 24 hours ended 7h. Today

Temperature rose to about 45° over the greater part of the Kingdom, but touched 50° on a few parts of the south-west coast, and rose no higher than 40° at Aberdeen, Houton Bay and Lerwick. Frost occurred at night at Glasgow and Eskdalemuir. Rain fell very generally. The largest quantities were 15 mm. at Aberdeen, 13 mm. at Wick and Stornoway, 12 mm. at Valencia, and 11 mm. in London (Kew Observatory). The day was bright in many western, central and south-eastern parts of the Kingdom. At Greenwich the sunshine record was six hours, at Richmond $5\frac{1}{2}$ hours, and at Liverpool $4\frac{1}{2}$ hours.

The Conditions at 7h. Today.

Pressure is high far to the northward and also to the south and south-westward of the British Isles, and relatively low over the intervening region. Over the Northern part of the North Sea a feeble depression is in course of dispersal, and a slight disturbance lies over the west of Ireland. To the south-westward of Iceland there is a large depression of unknown intensity. The South-Westerly to Westerly wind blows a moderate to fresh breeze over the southern halves of England and Ireland, but further north the direction is more variable and the force very light. Rain is falling at Houton Bay, Spurn Head, and Blacksed Point, but in most other parts of the British Isles the weather is fair.

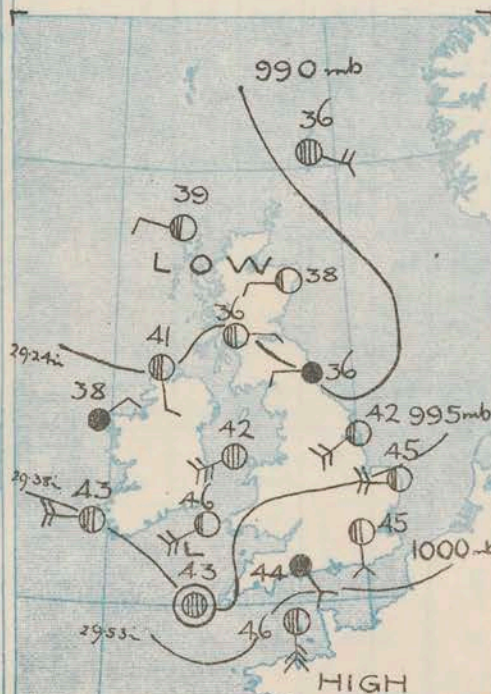
The Outlook

The general distribution of pressure continues very favourable for the passage of Atlantic depressions over the British Isles and their neighbourhood, and it is consequently expected that the weather will remain in an unsettled condition.

H. H.

FRIDAY, 3RD

JANUARY, 1919, at 13h. (1p.m.) G.M.T.



A small secondary depression has appeared over Cornwall and is moving eastward. Rain has already begun in its neighbourhood.

STATIONS.	EVENING OF 2 ND					MORNING OF 3 RD										24 HOURS ENDED 7 ³⁰					Sun- shine for 2 ND Hours.		
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.						
			Direc.	Force 0-12.				Dry Bulb.	Change in 24 hours.						Direc.	Force 0-12.	Max.	Min.	Morning.	Afternoon.		Night.	
BRITISH ISLANDS.	Lerwick ...	988.8	30	SE	5	om	992.6	-2	38	-2	ESE	4	-	cm	3	6	40	36	omf	omf	om	*	
	Houton B. (Orkney)	987.1	38	NNW	6	r	990.3	*	36	-3	ESE	3	*	d	3	40	36	of	hg.	d. r.	*		
	Stornoway ...	992.3	39	W	4	or	991.6	-2	37	-2	NW	1	-	b	1	13	41	36	c. of.	or	bc. b.	0.0	
	Castlebay (Barra Isd.)	993.8	42	WNW	3	bc	992.2	0	39	-4	NNW	3	-	c	3	6	43	37	of.	r. o. bc.	bc. of c.	0.5	
	Glasgow ...	994.2	38	WSW	3	bc2.	992.6	-3	32	-7	SSE	2	-	b2x	*	0.2	41	31	o. c. of.	o.	bc. b2x.	0.0	
	Eskdalemuir ...	993.8	37	W	6	o	992.6	-4	28	-10	-	o	-	omx	*	1	41	28	or. omx.	o. omx.	bc. b2x.	0.0	
	Malin Head ...	994.7	43	WNW	3	bc	990.9	-3	39	-3	SSE	1	S	bcn	3	1	45	36	bcg.	bcg.	bcn.	1.8	
	Blackod Point	995.8	39	SE	2	omg	991.6	0	36	-6	NE	2	-	omr	4	2	45	34	bcg.	bcg.	bcn.	*	
	Valencia (Cahirciveen)	995.8	41	NW	2	c	996.0	0	43	-2	SW	5	-	b	4	12	47	39	ch. o.	or.	bc. b. b.	1.3	
	Roche's Point	998.1	43	SSW	4	r	996.5	0	40	-2	W	3	-	b	3	8	45	38	b. bc. c.	c. or.	r. b.	*	
NORTHERN EUROPE.	Birr Castle ...	997.4	39	SE	1	o	991.4	*	37	-3	S	2	-	c	*	3	44	35	bc	bc. c. o.	or. ch.	3.1	
	Donaghadee ...	997.0	38	W	4	bc2.	991.6	-3	37	-4	E	2	-	ogm	2	-	44	34	bcg.	bcg.	bm. ogm	*	
	Liverpool (Bidston)	998.7	41	WSW	4	b	993.0	-1	39	-5	WSW	3	-	b	3	3	45	36	o. bcg.	b. bc.	or. bc.	4.5	
	Holyhead ...	999.0	43	WSW	4	b.	992.3	0	41	-3	WSW	5	W	bc	3	4	46	39	bcg.	c. bc. b.	og. or. c.	2.0	
	Penbroke (St. Ann's)	1001.6	47	SW	2	o	996.2	0	46	0	W	6	W	bg	6	7	47	43	bcg.	bc. c.	or. c. b.	2.6	
	Hartland Quay																					*	
	Scilly (St. Mary's)	1004.0	47	SW	5	o	1001.4	-1	47	+3	NW	5	NW	o	7	6	50	43	bc. c.	c. of.	ch. av. h.	1.3	
	Falmouth ...	1003.2	46	SSW	3	o	1000.7	0	42	-2	WSW	2	-	o	*	3	49	41	o. c.	ch. o.	o	1.1	
	Jersey (St. Aubin)	1007.9	48	SW	4	b	1003.4	0	47	-2	SW	4	-	o	4	7	50	46	b. d. b. o.	o. bc. b.	or. o.	1.0	
	Portland Bill ...	1004.7	48	WSW	4	bc	999.5	+2	48	+3	W	5	-	bc	5	8	52	45	bc	bc.	bcg.	*	
FRANCE, &c.	Dungeness ...	1004.1	45	WSW	4	b	998.5	+2	45	0	WSW	4	-	b	4	4	48	44	bcg.	c. b.	ch. or. b.	*	
	Wick ...	987.7	41	N	4	r	990.4	0	38	-4	W	1	-	omg	5	13	43	37	omr.	omr.	omr.	*	
	Nairn ...	990.0	39	NW	2	c	991.2	*	36	-5	W	1	-	bc	1	3	42	35	hg. c.	cg.	hg. c.	0.0	
	Aberdeen ...	988.1	39	WNW	4	omg	990.6	0	39	+1	W	2	-	o	3	15	40	37	bc. omg.	omg.	omg.	0.0	
	Leith ...	991.5	40	W	2	b	991.2	0	34	-8	W	1	-	b	2	0.2	44	34	of. c. d.	c. bc. b.	b2. b.	*	
	Tynemouth ...	990.9	41	NW	4	bcg.	991.9	-1	35	-6	NW	2	-	bcn	3	0.4	44	35	cg. b.	bcg.	bm.	*	
	Spurn Head ...	996.8	42	WSW	4	bg.	994.2	-1	38	-4	SSW	3	-	or	3	3	44	36	bcg.	bcg.	bc. or.	0.0	
	Yarmouth (Gorleston)	999.9	42	W	5	b	995.7	-7	42	+1	W	4	-	om	4	3	46	37	b. bcg.	bcg. b.	b. omr.	0.0	
	Clacton-on-Sea	1003.1	42	WSW	3	b2.	997.2	+3	42	+1	SW	3	SW	c	2	6	45	39	b. bc2.	bc. bc.	b2. or. c.	3.4	
	Nottingham ...	999.7	40	W	2	b	994.3	*	38	-5	SW	2	SW	b	*	3	46	34	c. b. d.	bc. b.	b	3.6	
IBERIA, &c.	Benson (Oxon.) ...	1003.0	39	WSW	3	b.	997.7	+3	39	-2	SW	3	-	o	*	4	45	38	b	b.	b. or. o.	*	
	Sth Farnborough	1004.1	39	W	5	b	999.0	+3	39	-1	SW	6	W	b	*	8	45	38	b. b. bc.	c. b.	or. b.	2.8	
	Salisbury Plain	1004.7	39	W	1	b	999.4	+3	39	+7	W	3	-	b	*	4	45	32	ch. bg.	c. b.	o. bc. b.	*	
	London (Kew Obsy.)	1003.7	41	SW	3	b	998.7	+3	41	0	SW	3	-	b	*	11	45	39	b. bc.	bc. b.	bc. or. b.	4.6	
	Spitsbergen ...	1020.6	10	-	0	b	1023.5	+1	-4	-13	E	2	*	b	*	10	-6						
	Vardö ...	1013.0	28	N	6	S	1016.7	+1	27	-5	N	2	-	o	3	*	32	27					
	Gjesvær ...	1014.0	30	E	4	o	1015.9	*	27	-7	E	2	-	bc	3	3	34	26					
	Bodö ...	1011.9	23	E	2	b	1010.7	0	23	0	E	4	-	b	2	-	23	19					
	Christiansund ...	999.1	34	NW	3	b	997.7	0	32	0	WNW	3	-	c	3	-	34	30					
	Skudesnaes ...	998.7	37	ESE	6	bc.	990.7	0	34	-3	E	7	-	S	4	-	39	34					
MEDITERRANEAN.	Færder (X'ianla Fjord)	998.3	30	E	7	S	993.3	-1	34	+4	E	6	-	r	3	1	34	28					
	The Scaw (Skagen)	993.5	36	ESE	6	r	991.1	+1	39	+2	S	3	-	bc	3	4	41	34					
	Blaavands Huk	1001.7	41	SW	6	r	995.5	+3	43	+7	WSW	5	-	o	*	6	45	32					
	Copenhagen ...	998.4	39	SSE	3	r	1000.3	+3	41	+5	WSW	3	-	o	*	5	41	34					
	Bornholm ...	999.0	37	SW	6	o	1002.0	+1	39	+5	WSW	7	-	o	1	8	39	32					
	The Helder ...	998.4	45	SW	7	b	997.1	-5	39	-6	SW	3	-	o	3	1	46	39					
	C. Gris Nez ...	1004.6	48	WSW	7	b	1000.0	-1	46	0	W	6	*	b	*	4	50	39					
	La Hève ...	1010.1	45	WSW	5	b	1004.4	+1	45	0	WSW	6	*	b	*	1	46	43					
	Brest (St. Mathieu)	1007.3	50	SW	4	c	1003.5	-3	50	+2	SW	5	*	o	*	4	54	45					
	Roche fort (Ile d'Aix)	1015.0	50	W	3	o	1009.1	-2	50	0	SW	5	*	r	*	6	52	48					
MEDITERRANEAN.	Biarritz ...	1017.1	53	NNE	2	b	1011.7	-3	55	+5	SSW	4	*	o	*	Trace	57	50					
	Paris ...	1012.0	43	SSW	2	b	1006.9	+1	46	+3	SW	3	*	o	*	1	50	39					
	Belfort ...	1016.6	?	W	5	o	1014.1	*	41	+5	W	4	*	c	*	1	41	36					
	Lyons ...	1018.4	41	-	0	b																	
	Nice ...	1017.9	45	E	3	bc	1019.0	+1	41	-4	-	0	*	bc	*	-	52	39					
	Perpignan ...	1019.1	46	-	0	bc	1016.8	-2	34	-5	SW	1	*	bc	*	-	55	32					
	Sanguinaire ...						1021.7	0	50		SE	3	*	o	*	-	55	46					
	Corunna ...	1018.1	55	SW	1	o	1007.8	-7	54	+2	SW	4	-	o	4	4	55	52					
	Madrid ...																						
	Lisbon ...																						
MEDITERRANEAN.	Azores (Horta) ...	1029.1	*	N	4	b																	
	" (P. Delgada)		*																				
	Madeira ...	1023.9	64	NE	1	c	1024.8	+1	59	0	NE	3	-	c	3	-	66	59					
	Gibraltar ...	1024.0	51	SW	1	b	1022.7	*	43	-	-	0	*	b	2	-	60	42					
	Algiers ...	1024.4	50	NW	1	b	1023.7	0	48	-4	W	4	-	b	4	-	57	46					
	Malta ...	*	*	*	*	*	1018.3	0	59														

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	1.6-8.2
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	28.5-33.6
12	Above 75	33.6 or above

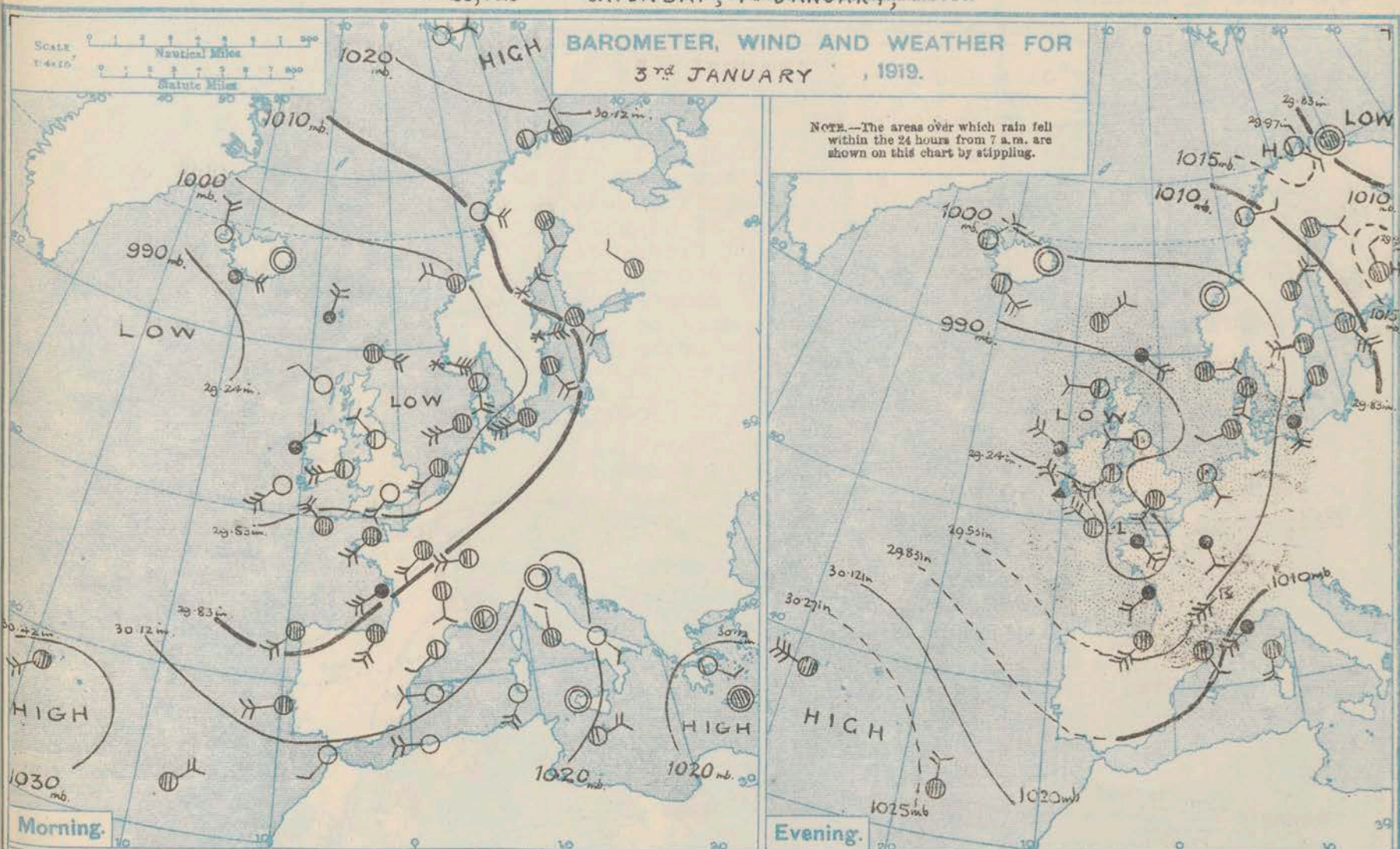
BEAUFORT NOTATION.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three quarters covered).
d drizzle, or fine rain.
e wet air without rain falling.
f fog.
g gloom.
h hail.
l lightning.
m mist.
o overcast sky.
p passing showers.
q squalls.
r rain.
rs sleet, i.e., rain and snow together.
s snow.
t thunder.
u

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20,862

SATURDAY, 4th JANUARY, 1919.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 3rd JANUARY.

STATIONS.		EVENING OF 2 ND					MORNING OF 3 RD										MORNING OF 3 RD					
		Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Barometer.		Temp.		WIND.		Rain- fall. Milli- metres.	Temp.		ICELAND.	Barom. Milli- bars at M.S.L.	Temp.		WIND.		Weather.
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Direc.	
		* F.	* F.				* F.	* F.						* F.	* F.			* F.	* F.			
RUSSIA.	Orlov ...	*	*	*	*	*								*	*							
	Kem ...	*	*	*	*	*	1014.1		5	-34	-	0	b	*	*					N	3	b
	Archangel	*	*	*	*	*	1011.8		16	-10	-	0	o	*	*					E	6	o
	Mesen...	*	*	*	*	*								*	*							
SWEDEN.	Haparanda	1011.8	16	N	2	o	1013.6	*	18	+9	S	2	o	*	*	*						
	Hernösand	1012.3	18	-	0	c	1011.8	*	18	+2	NE	4	S	*	*	*						
	Stockholm	1009.6	18	N	2	o	1004.8	*	32	+14	E	6	S	*	*	*						
	Wisby ...	1006.4	32	E	2	S	1001.3	*	36	+9	SSE	4	o	*	*	*						
	Sordovalä						1014.1	*	16	-6	NW	1	o	*	*	*						
	Hangö ...						1011.0	*	28	+5	SSE	3	o	*	*	*						
ITALY.	Venice ...	1019.5	34	-	0	b	1020.9	*	30		-	0	b	-	37	30						
	Turin ...							*														
	Pesaro ...							*														
	Leghorn							*														
	Rome ...	1020.5	52	-	0	c	1021.1	*	48		-	0	o	-	59	46						
	Viesti ...	1018.6	50	SE	2	b	1019.9	*	50	+2	-	0	b	-	55	39						
	Brindisi							*														
	Cagliari	1017.8	57	W	4	b	1021.9	*	50		SSW	4	b	-	63	45						
	Palermo	1019.0	55	-	0	b	1021.4	*	48	-4	-	0	b	-	68	45						
	Tripoli							*														
	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM																	4 TH AND 5 TH JANUARY 1919.	Sunrise.	Noon.	Sunset.	
																	G.M.T.	G.M.T.	G.M.T.			
Yarmouth ...																	8.5	11.58	3.50			
Greenwich ...																	8.5	11.58	3.51			
																	8.8	12.5	4.2			
																	8.7	12.5	4.3			
Wick ...																	9.3	12.17	3.30			
																	9.2	12.17	3.32			
Valencia ...																	8.50	12.46	4.41			
																	8.50					

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

STATIONS.	4 th JANUARY 1919.		
	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	8.5	11.58	3.50
Greenwich ...	8.5	11.58	3.51
Wick ...	8.7	12.5	4.3
Valencia ...	9.3	12.17	3.30
	9.2	12.17	3.32
	8.50	12.46	4.42

LONDON	HUMIDITY.		Sun-shine for 24 Hours ended 9 h. 4 th JANUARY.	TEMPERATURE.			Rain-fall.	WEATHER.		
	15 h.	9 h.		Max.	Min.	Min. on Grass.		Morning.	Afternoon.	Night.
4 th JANUARY, 9 h. G.M.T.	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	79	90	3.6	47	34	29	4	bc	bc.	cot. bc.
CITY (Bunhill Row)	*	*	1.8	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	79	91	2.9	48	35	32	5	*	*	*
(Roof near Charing Cross)	77	87	2.7	48	36	*	5	bc.m.	bc.	bc. cot. s.
CAMDEN SQ. (British Rainfall)	77	90	1.2	47	35	30	6	c.	bc.c.	*
KENSINGTON PALACE	*	88	*	48	35	31	7	b. bc.	o. or.	*
RICHMOND PARK	*	*	*	*	*	*	*	*	*	*

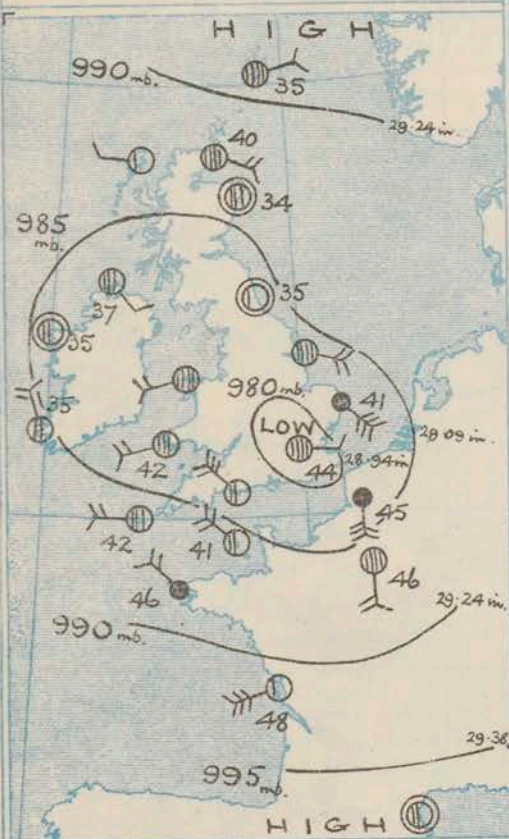
SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 3 rd JANUARY.		
Total.	Average Rate.	Max. Rate.
Jonins.	Milliwatts.	Milliwatts.
278	9.8	22

Printed at the Meteorological Office, South Kensington, London, S.W.7.
By WILMAN & SONS LTD., Fetter Lane, London, E.C.4, and Reading.

± The barometric change is expressed in half millibars.

4TH JAN, at 1h. G.M.T.

THE MORNING OF SATURDAY, 4TH JANUARY 1919 at 7h. G.M.T.



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. Calm.

TEMPERATURE.—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

WEATHER.—Shown by the following symbols:—

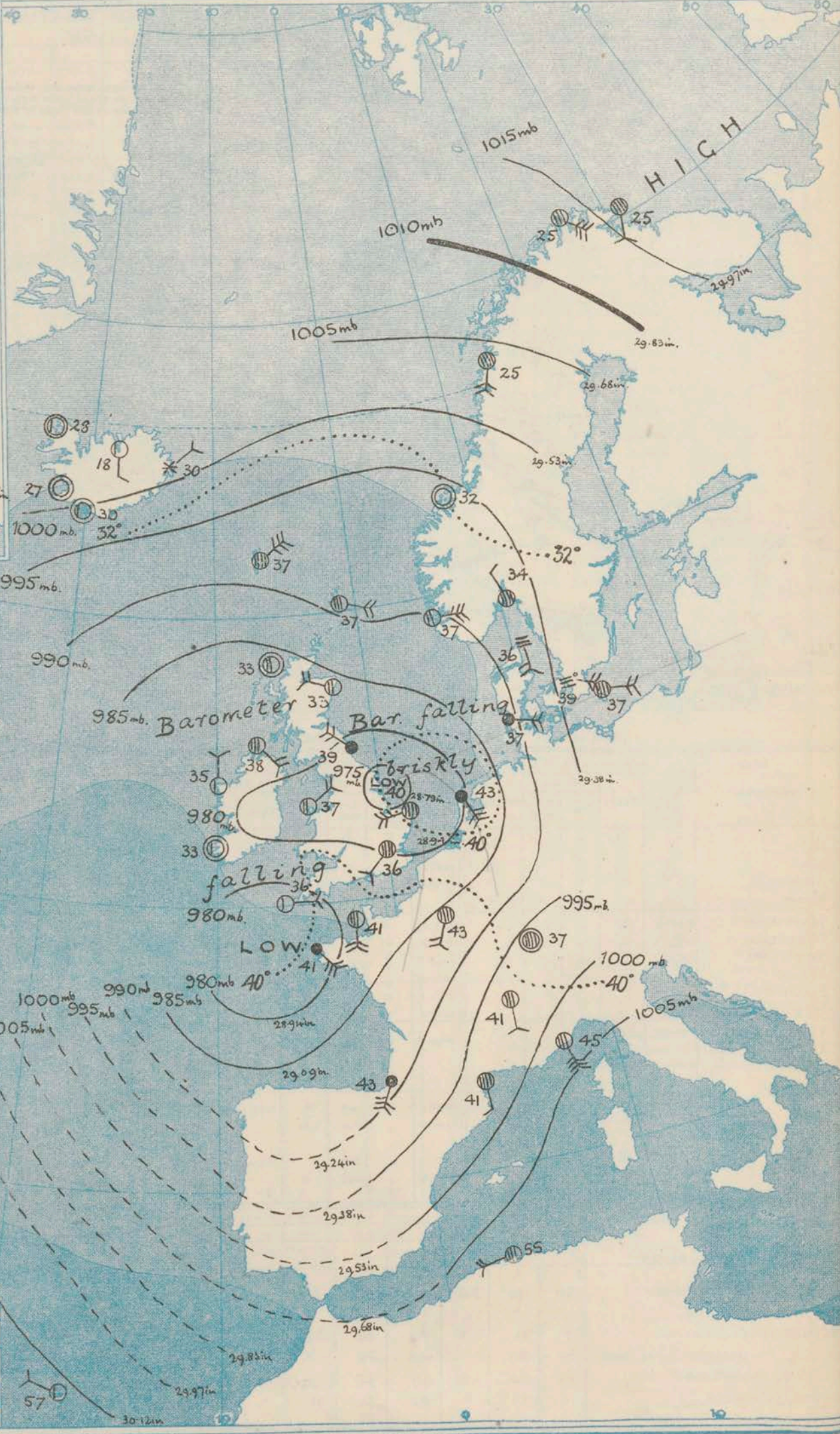
○ clear sky. ○ sky ½ clouded. ○ sky ¾ clouded.

○ sky ¾ clouded. ○ overcast sky. ● rain falling.

* snow. ▲ hail. ≡ fog. ≡ mist. T, thunder.

TS, thunderstorm.

SEA DISTURBANCE.—Rough. High.

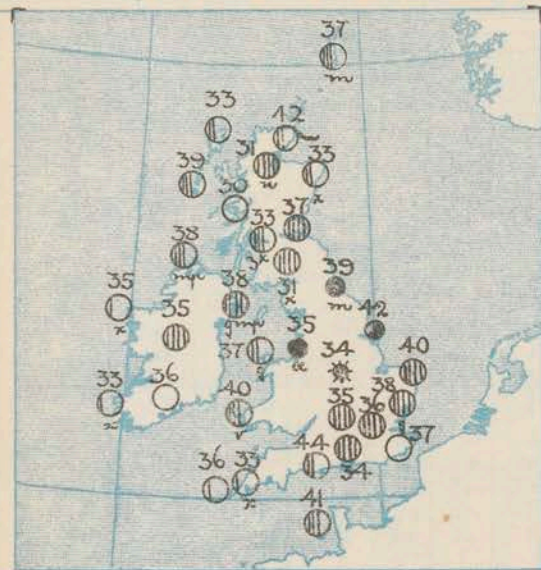


SCALE 1:250,000
Nautical Miles
Statute Miles

Normal Temperature of the Sea.

Below 40° 40°-50° 50°-60° Above 60°
Scale of Tints for JANUARY.

TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



NOTES.

Aurora observed at

Castlebay, Malin Head, Valencia, Roche's Point,
Naírn, Aberdeen, St. Ann's Head (brilliant at 21h)

Notes on the Weather of the 24 hours ended 7h. Today

Temperature remained below 40° in the north-east of England, the greater part of Scotland, and in central Ireland, and below 45° except locally in the south of England. Rain was again experienced at most stations - mostly during the evening or night. At Salisbury Plain the value was as much as 29 mm, at Nottingham 24 mm, Portland Bill 21 mm, and Benson 17 mm. In the north the fall was slight. Bright sunshine ranged from 6 hours at Liverpool and about 4.5 hours at Nottingham and Clacton to nil at various stations in the eastern, south-western and north-western parts of the Kingdom.

The Conditions at 7h. Today

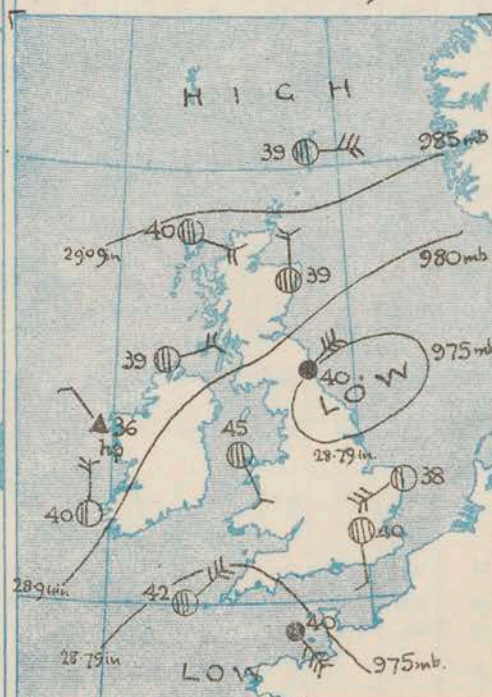
Pressure remains high both to the north and south and south-west of the British Isles. It is now very low in a depression over the Wash, and probably as low in another depression approaching the Mouth of the Channel. The barometer is at present falling briskly on the south-west coast of England and over a large portion of the North Sea, and slightly over the British Isles generally. The cyclonic circulation of the wind in the North Sea depression and also in a feeble secondary over the Irish Sea region is well marked, but the force is mostly light. Sleet is falling at Nottingham and rain on the north-east and north-west coasts of England. In many parts of the Kingdom, however, the sky has little cloud.

The Outlook

No change to a more stable condition is probable at present. The fresh fall of the barometer in the south-west indicates the approach of a depression which is likely to come directly over these Islands and cause further falls of rain or sleet in most localities.

Saturday, 4th

JANUARY, 1919, at 12h. (1p.m.) G.M.T.



The new depression in the south-west appears to be moving north-eastwards, and rain is extending quickly over England.

R. G. K. LEMPFT, C.B.E., Supt. Forecast Divn.

H. G. LYONS, Col., Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919. No. 4.

SATURDAY,
4TH JANUARY.

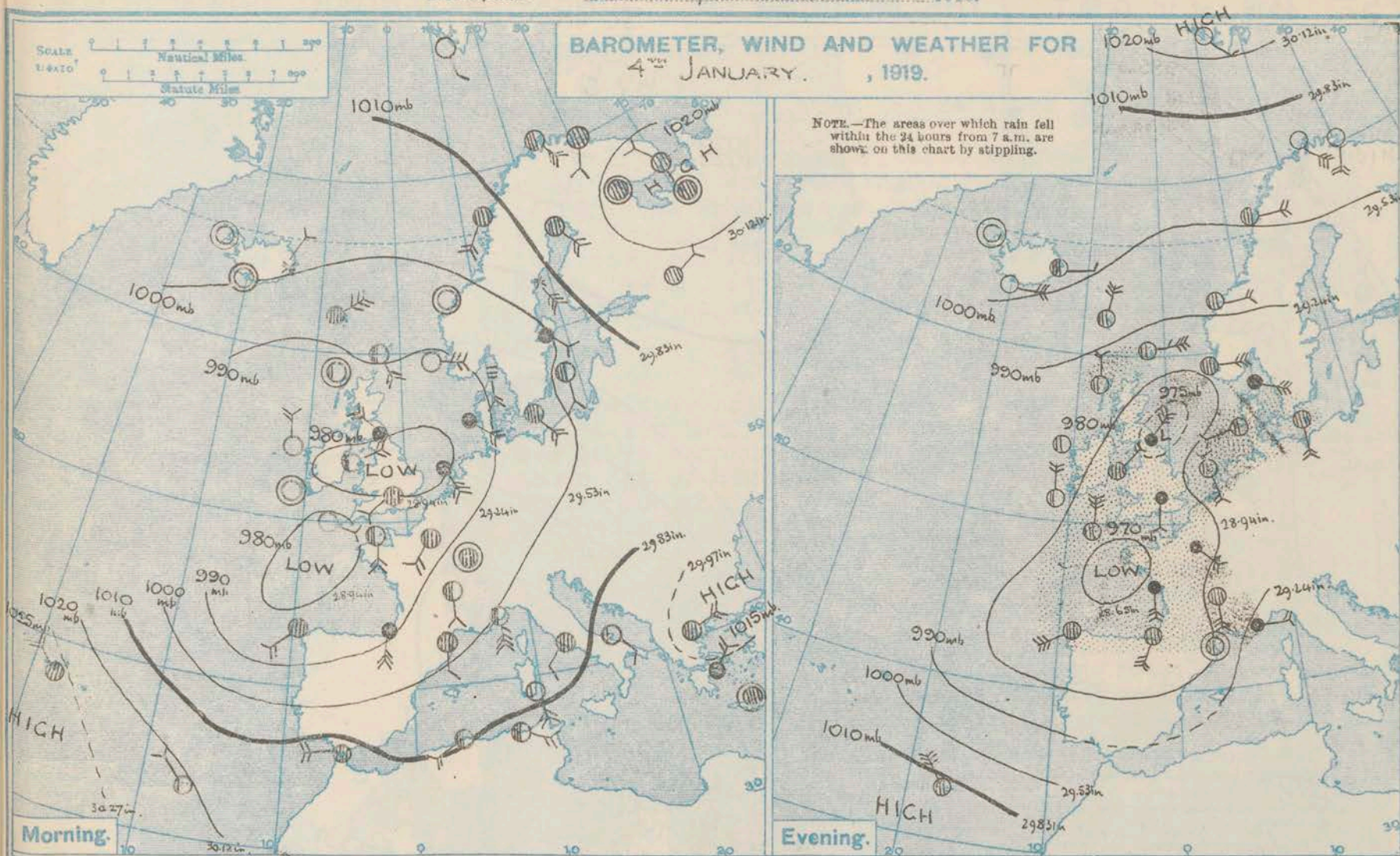
STATIONS.	EVENING OF 3 RD					MORNING OF 4 TH										24 HOURS ENDED 7 TH					Sun- shine for 3 RD Hours.
	Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.	Direc. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
			Dir.	Force 0-12.				Dry Bulb. °F.	Change in 24 hours. °F.							Max.	Min.	Morning.	Afternoon.	Night.	
BRITISH ISLANDS.	Lerwick ...	991.8	35	ESE 4	omr	990.5	0	37	-1	ESE 4	4	-	cm	3	2	38	33	om	omr	cm	*
	Houton B. (Orkney) ...	987.9	38	SE 4	rg	986.2	*	34	-2	ENE 5	5	*	b	4	*	39	34	of.	sof.	dh	*
	Stornoway ...	987.3	39	W 2	bc	984.4	0	33	-4	-	0	-	bc	0	1	40	32	bcp.	bcp.	bc	1.2
	Castlebay (Barra Isd.) ...	986.8	45	NNW 3	b	983.2	-1	39	0	N 2	2	-	c	2	1	44	37	c. b.	bc. b.	b. s. c.	3.3
	Glasgow ...	988.9	33	-	0	982.5	-3	33	+1	ENE 2	2	-	c2x	*	-	36	29	bz. ocm	om. fx.	f. om. cx	0.0
	Eskdalemuir ...	988.6	29	-	0	981.0	-4	31	+3	N 3	3	-	ox	*	0.1	33	24	omx. o.	os. o. b.	bc. ox	0.0
	Malin Head ...	987.2	36	SW 1	c	981.4	-3	38	-1	SE 3	3	SE	omr	3	3	43	38	bc	bcp.	omr.	0.0
	Blackrod Point ...	988.6	37	NW 4	omr	984.0	+2	35	-1	N 2	2	-	bxc	3	3	44	33	omr	omr	bcp.	*
	Valencia (Cabiriveen) ...	991.3	40	NNW 4	ch	981.3	-2	33	-10	-	0	-	bxc	4	2	44	29	b. bc. ch.	c. ofh.	bc. b. bz	1.7
	Roche's Point ...	990.6	38	W 3	b	980.8	-1	36	-4	N 2	2	-	b	2	-	44	33	r. bc.	b. bc. b.	bxc	*
	Birr Castle ...	987.5	36	W 1	r	979.5	*	35	-2	W 2	2	-	o	*	3	39	34	ch. o.	odp. or.	or. o.	0.0
	Donaghadee ...	987.7	36	SSE 1	omr	978.7	+2	38	+1	E 4	4	*	omr.	4	8	40	33	omr.	omr.	omr.	*
	Liverpool (Bidston) ...	990.4	38	SSE 1	o	978.9	-3	35	-4	NE 1	1	-	oe	1	0.4	43	38	bc	bc. o.	od	6.0
	Holyhead ...	987.6	41	WSW 4	cg	978.2	-2	37	-4	NE 3	3	NE	bcp.	1	1	42	36	chp.	c. og.	c. ofh.	0.6
	Pembroke (St. Ann's) ...	989.9	44	W 3	ov	980.1	-4	40	-6	WNW 3	3	-	cv	3	-	46	39	bcp.	bc. cv	ov. cv.	1.3
	Hartland Quay ...	989.9	44	W 3	ov	980.1	-4	40	-6	WNW 3	3	-	cv	3	-	46	39	bcp.	bc. cv	ov. cv.	1.3
	Scilly (St. Mary's) ...	991.8	44	NW 6	cv	979.7	-6	36	-11	E 2	2	-	b	4	3	47	33	a. cv.	cv. ch.	ch. b.	0.0
	Falmouth ...	989.6	39	NNW 4	omr	979.3	-7	33	-9	WNW 1	1	-	bx	*	5	43	32	ord.	ord. om.	dm. bx.	0.0
	Jersey (St. Aubin) ...	988.2	47	SSE 4	or	981.3	-3	41	-6	S 4	4	-	c	4	14	50	39	o. b.	b. or.	ofh. c.	2.3
	Portland Bill ...	988.1	43	WNW 3	or	980.7	-3	44	-4	W 2	2	-	bc	3	21	48	35	or.	or.	bc	*
	Dungeness ...	993.1	46	SSW 4	b	980.6	+5	37	-8	WSW 5	5	-	b	4	5	48	36	b. bc.	bc.	c. or. b.	*
Wick ...	987.7	39	SE 4	omr	985.3	-1	42	+4	ESE 4	4	-	bc	5	7	43	38	omr.	omr.	omr.	*	
Nairn ...	987.4	35	-	0	983.7	*	31	-5	-	0	-	ou	1	0.3	39	26	bc. cg.	cg. bc.	ch. h.	1.3	
Aberdeen ...	987.6	37	W 2	oz	983.7	-2	33	-6	WNW 3	3	-	bc	2	-	39	31	o. bc.	bc. o.	oz. bc.	1.9	
Leith ...	987.8	35	S 1	o	981.1	-2	37	+3	NE 3	3	-	o	3	-	37	32	bz. cm.	cm. c.	omr. ch.	*	
Tynemouth ...	988.0	36	W 2	bm	978.5	-6	39	+4	NW 4	4	-	omr	4	3	39	34	omr	omr	omr	*	
Spurn Head ...	991.8	40	S 3	c	973.5	-8	42	+4	ESE 3	3	-	or	3	9	44	38	bc.	bc.	or	0.0	
Yarmouth (Gorleston) ...	995.2	40	SW 3	b	976.3	-3	44	-2	WSW 5	5	-	og	5	6	46	39	cm. bc.	bc. c.	omr	0.0	
Clacton-on-Sea ...	993.9	44	SE 3	bc	978.3	-3	38	-4	W 4	4	W	og	3	3	45	36	c. bc.	bc.	c. og.	4.5	
Nottingham ...	991.3	39	S 1	o	975.8	*	34	-4	WNW 3	3	-	st	*	24	43	32	b	bc.	or. rs.	4.3	
Benson (Oxon.) ...	990.4	39	SW 1	r	979.0	+1	35	-4	WSW 3	3	-	o	*	17	43	33	bc. o.	or.	r. o.	*	
St. Farnborough ...	990.4	41	E 3	om	979.9	+2	34	-5	SW 5	5	-	om	*	11	46	33	b. o.	oz. om.	o. or. om.	2.7	
Salisbury Plain ...	989.7	37	N 2	or	981.0	-2	30	-9	WNW 1	1	-	b	*	29	44	29	bc. o.	or	or. bc.	*	
London (Kew Obs.) ...	991.1	43	SW 2	o	980.2	+3	36	-5	SW 2	2	-	o	*	6	46	35	b. om.	b. om.	om. om.	3.2	
NORTHERN EUROPE.	Spitsbergen ...	1005.9	27	-	0	1018.1	0	+13	SE 1	1	*	b	*	*	11	-18	THE BEAUFORT SCALE OF WIND FORCE.				No.
	Vardö ...	1005.9	27	-	0	1016.4	0	25	-2	SSW 2	2	-	o	1	*	28						25
	Gjesvær ...	1015.5	23	SE 1	b	1014.0	*	25	-2	SE 6	6	-	c	3	-	27	21	Limits of Velocity.		Statute miles per hour.	Metres per second.
	Bodö ...	1008.0	25	E 1	b	1004.8	-2	25	+2	E 4	4	-	o	2	-	25	19				
	Christiansund ...	993.6	34	-	0	993.2	0	32	0	-	0	-	b	2	-	34	30	Less than 1		Less than 0.3	0
	Skudesnaes ...	991.9	36	E 2	b	989.3	-3	37	+3	E 5	5	-	bc	4	-	37	32				
	Færder (X'ania Fjord) ...	993.0	37	SW 4	r	993.7	+1	34	0	NNW 1	1	-	o	2	14	39	34	1-3		1-3	1
	The Scaw (Skagen) ...	993.2	39	SSW 3	o	993.5	+1	36	-3	S 3	3	-	f	3	2	41	34				
	Blaavands Huk ...	992.6	39	WSW 4	o	988.2	-8	37	-6	ESE 4	4	-	r	*	4	45	32	4-7		4-7	2
	Copenhagen ...	996.8	37	SW 3	o	995.4	-3	39	-2	SE 4	4	-	m	*	1	41	37				
Bornholm ...	1000.6	39	S 4	r	998.4	-2	37	-2	ESE 4	4	-	o	1	2	41	36	8-12		8-12	3	
The Helder ...	996.2	36	SSE 2	b	978.4	-5	43	+4	SSE 5	5	-	r	3	8	45	34					
FRANCE, &c.	C. Gris Nez ...	993.3	41	SE 2	b	981.3	+7	41	-5	WSW 6	6	-	c	5	7	48	37	13-18		13-18	4
	La Hève ...	991.9	46	SSE 5	o	985.3	0	39	-6	SW 5	5	-	b	*	1	48	39				
	Brest (St. Mathieu) ...	989.3	45	NW 5	o	977.2	-11	41	-9	SE 5	5	-	r	*	14	50	39	19-24		19-24	5
	Rochefort (Ile d'Aix) ...	993.7	50	SW 7	r	977.2	-11	41	-9	SE 5	5	-	r	*	14	50	39				
	Biarritz ...	999.0	54	SSW 6	o	989.0	-1	48	-7	SSW 5	5	-	r	*	3	55	48	25-31		25-31	6
	Paris ...	995.5	45	SSE 2	r	987.7	+1	43	-3	SSW 3	3	-	o	*	6	48	43				
	Belfort ...	995.5	45	SSE 2	r	987.7	+1	43	-3	SSW 3	3	-	o	*	6	48	43	32-38		32-38	7
	Lyons ...	1000.2	52	SW 6	tlr	995.5	*	37	-4	-	0	-	o	*	14	50	37				
	Nice ...	1014.6	46	SW 4	r	996.6	+1	41	-	S 2	2	-	c	*	15	52	39	39-46		39-46	8
	Perpignan ...	1001.2	54	SSE 3	c	997.6	-5	41	+7	S 1	1	-	q	*	1	59	34				
Sanguinaire ...	1016.6	54	S 3	o	997.6	-5	41	+7	S 1	1	-	q	*	1	59	34	47-54		47-54	9	
Corunna ...	1029.1	*	W 6	o	1025.3	-1	62	+5	NW 4	4	-	o	3	-	63	57					
IBERIA, &c.	Madrid ...	1024.2	63	N 3	o	1021.0	-3	57	-2	WNW 2	2	SW	b	3	-	66	55	55-63		55-63	10
	Lisbon ...	1024.2	63	N 3	o	1021.0	-3	57	-2	WNW 2	2	SW	b	3	-	66	55				
	Azores (Horta) ...	1024.2	63	N 3	o	1021.0	-3	57	-2	WNW 2	2	SW	b	3	-	66	55	64-75		64-75	11
	„ (P. Delgada) ...	1024.2	63	N 3	o	1021.0	-3	57	-2	WNW 2	2	SW	b	3	-	66	55				
MEDITERRANEAN.	Madeira ...	1024.2	63	N 3	o	1021.0	-3	57	-2	WNW 2	2	SW	b	3	-	66	55	Above 75		Above 75	12
	Gibraltar ...	1024.2	63	N 3	o	1021.0	-3	57	-2	WNW 2	2	SW	b	3	-	66	55				
	Algiers ...	1016.7	80	-	0	1004.7	-15	55	+6	WSW 3	3	-	c	4	4	59	50	80-107		80-107	12
	Malta ...	1016.7	80	-	0	1004.7	-15	55	+6	WSW 3	3	-	c	4	4	59	50	80-107		80-107	12
	Salonica ...	1019.9	48	-	4	1016.3	?	48	?	ENE 4	4	SW	o	*	-	57	38	108-138		108-138	

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20,863

SUNDAY, 5TH JANUARY

1919.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 4TH JANUARY, 1919.

STATIONS.		EVENING OF 3 RD					MORNING OF 4 TH										MORNING OF 4 TH						
		BAROM. Millibars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain-fall. Millimetres.	TEMP.		ICELAND.	BAROM. Millibars at M.S.L.	TEMP.		WIND.		Weather.	
				Dirac.	Force 0-12.		Millibars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Dirac.		Force 0-12.	Weather.
RUSSIA.	Orlov ...	*	*F.	*	*	*	1020.3	*	F.	F.	-	0	0		*F.	*F.	Isafjord ...	1001.9	28	-6	-	0	b
	Kem ...	*	*	*	*	*	1021.9	*	0	-5	WNW	2	b	*	*	Reykjavik ...		1001.0	27	-5	-	0	b
	Archangel ...	*	*	*	*	*	1022.6	*	7	-9	-	0	b	*	*	Vestmanna ...		999.7	30	-4	-	0	b
	Mesen ...	*	*	*	*	*								*	*	Seydisfjord ...		1003.9	30	-2	NE	2	s
SWEDEN.	Haparanda ...	104.7	14	ESE	2	0	1015.0	*	19	+1	SE	4	0	*	*	Thorshavn ...	992.0	37	+1	ESE	6	0	
	Hernösand ...	1009.6	25	NE	4	0	1003.3	*	34	+16	SE	6	5	*	*								
	Stockholm ...	1001.2	36	SE	4	0	999.5	*	36	+4	SE	2	r	*	*								
	Wisby ...	1003.5	37	SW	2	0	1001.6	*	37	+1	S	2	c	*	*								
	Sordovala ...	1016.6	18	N	1	0	1019.4	*	12	-4	NE	2	0	*	*								
ITALY.	Hangö ...	1009.1	28	SSE	3	0	1007.0	*	32	+4	ESE	4	0	*	*								
	Venice ...							*									TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM						
	Turin ...						1003.5	*	34	-	0	5	14	39	30	5 TH 2 1/2 TH JANUARY 1919.	Sunrise.	Noon.	Sunset.				
	Pesaro ...	1015.5	48	-	0	bc	1006.9	*	46	SE	1	0	-	55	37		G.M.T.	G.M.T.	G.M.T.				
	Leghorn ...							*															
	Rome ...	1017.4	48	-	0	bc	1009.3	*	52	+4	SW	1	0	Trace	57	45	Yarmouth ...	8.5	11.55	3.51			
	Viesti ...	1018.9	50	-	0	b	1010.6	*	50	0	SE	1	b	-	54	43	Greenwich ...	8.5	11.59	3.52			
	Brindisi ...	1017.3	50	SE	1	b	1012.2	*	45	S	1	5	-	63	45		8.7	12.5	4.3				
	Cagliari ...	1016.5	54	NW	3	0	1008.6	*	52	+2	SE	4	b	-	61	48		8.6	12.6	4.5			
	Palermo ...							*										9.2	12.17	3.32			
	Tripoli ...							*										9.1	12.18	3.34			

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

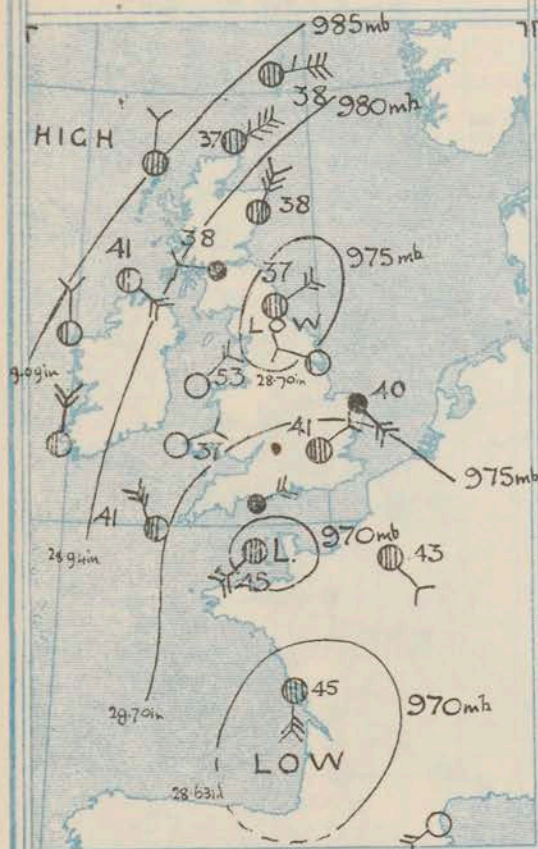
5 TH & 6 TH JANUARY, 1919.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	8.5	11.55	3.51
Greenwich ...	8.5	11.59	3.52
Wick ...	8.7	12.3	4.3
Valencia ...	8.6	12.6	4.5
	9.2	12.17	3.32
	9.1	12.18	3.34
	8.50	12.46	4.42
	8.50	12.47	4.43

LONDON 5 TH JANUARY, 9h. G.M.T.	HUMIDITY.		Sun- shine for Hours.	TEMPERATURE.			Rain- fall. mm.	WEATHER.		
	15 h.	9 h.		Max.	Min.	Mean on Grass.		Morning.	Afternoon.	Night.
GREENWICH (Royal Observatory) ..	88	100	2.1	40	38	35	2	bc	op.	op.
CITY (Bunhill Row) ..	*	*	0.7	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park) ..	85	92	1.3	41	35	32	2	*	*	*
" (Roof near Charing Cross) ..	81	87	0.0	42	36	*	2	ogm.	omf.	ogm.
CAMDEN SQ. (British Rainfall) ..	80	97	0.4	41	35	32	2	0	bcf. or.	*
KENSINGTON PALACE ..	*	92	*	42	38	33	2	bc.	bcf. or.	*
RICHMOND PARK ..	*	*	2.4	*	*	*	*	*	*	*

NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens

5TH JAN, at 1h. G.M.T.

THE MORNING OF SUNDAY, 5TH JANUARY 1919 at 7h. G.M.T.



EXPLANATION.

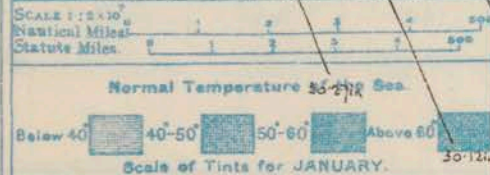
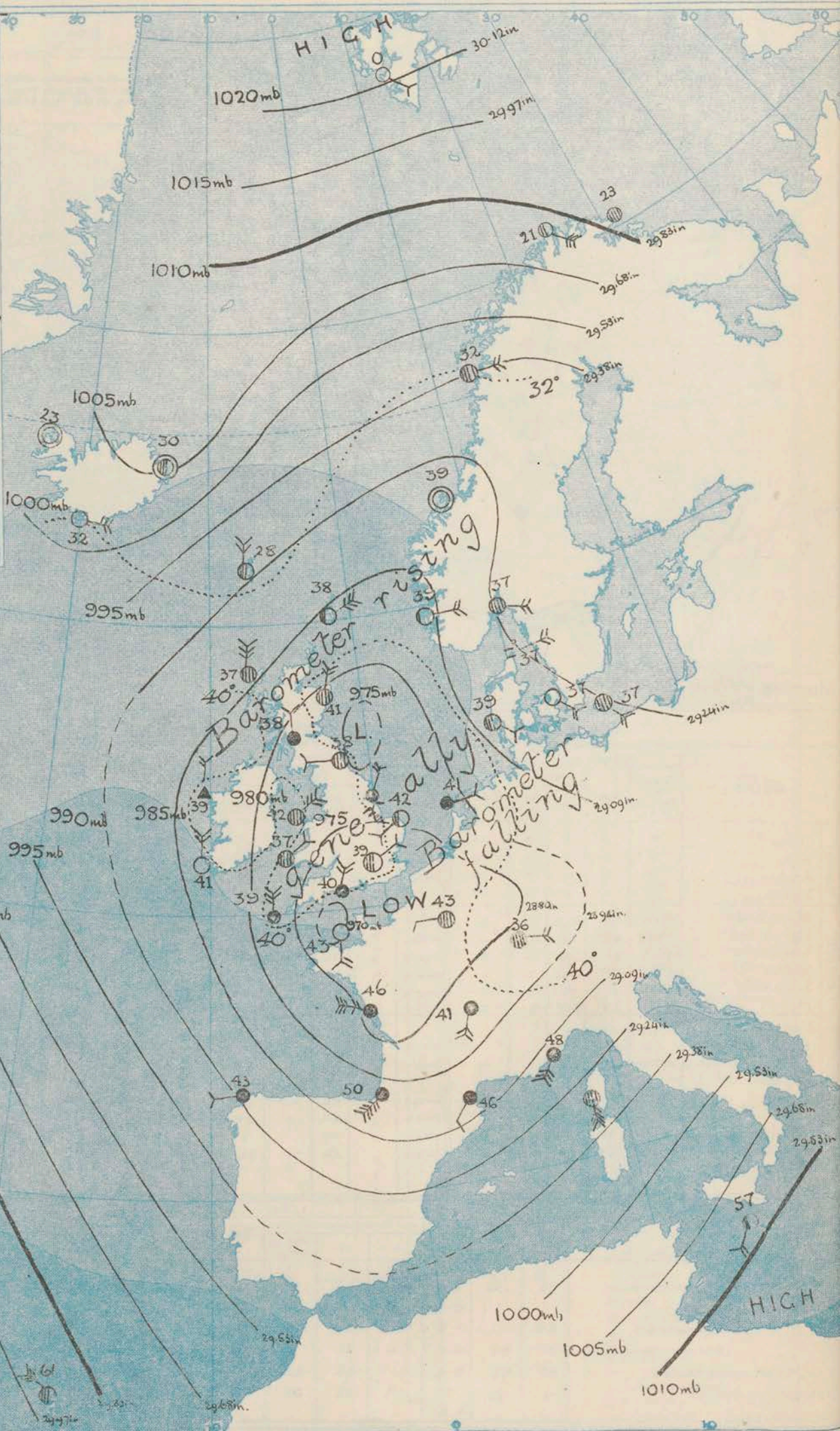
BAROMETER.—Isobars are drawn for intervals of five millibars.

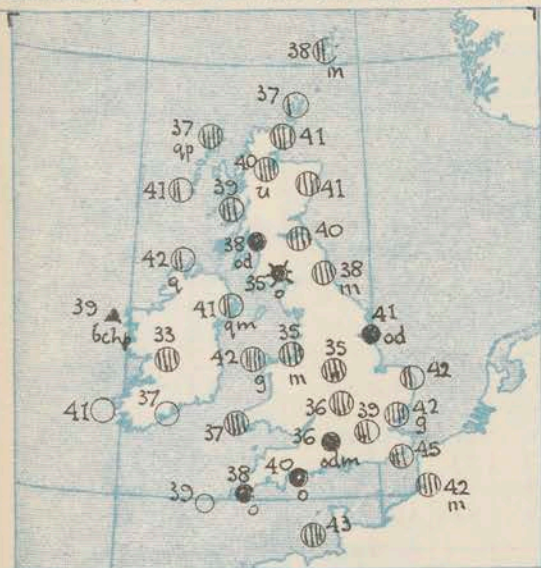
WIND.—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Calm.

TEMPERATURE.—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

WEATHER.—Shown by the following symbols:—
 ○ clear sky. ○ sky & clouded. ○ sky & clouded.
 ○ sky & clouded. ○ overcast sky. ○ rain falling.
 * snow. ▲ hail. ≡ fog. ≡ mist. T, thunder.
 K, thunderstorm.

SEA DISTURBANCE.—Rough. High.





NOTES.

Notes on the Weather of the 24 hours ended 7h. Today

The afternoon temperatures were about the normal, ranging round 40°. Nottingham had a night minimum of 25°, the frost elsewhere being very slight. Rain was general over Western Europe, unimportant in amount over this country, but very heavy over France and Northern Spain, 90 mm. at Biarritz. A few home stations had fair records of sunshine, but most places had none.

The Conditions prevailing at 7h.

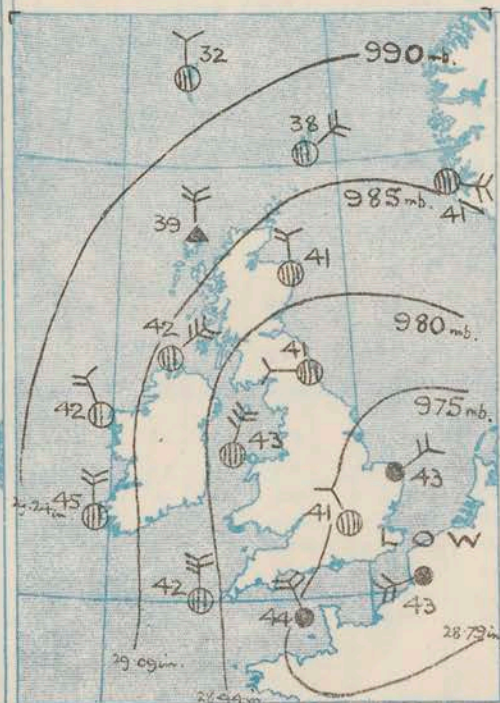
Pressure continues highest over Iceland and the Azores regions, and low over the British Isles and France. Secondary centres of minimum pressure are indicated off the coast of Northumberland, in the western part of the English Channel, and over the north-east of France. Another depression lies over the Grecian Archipelago. The barometer is rising slowly generally over these Islands and the Bay of Biscay, but falling slowly over Denmark, the Netherlands, and the north-east of France. The main wind current over the United Kingdom is between N. and NE; it has little force generally, but blows a fresh breeze on some parts of the western coasts, and a fresh to strong breeze in Scotland. Over the Bay of Biscay a North-Westerly to South-Westerly gale is reported. Temperature is uniform over the British Isles. Much cloud is general except in Ireland, with rain in places, and sleet at Eskdalemuir, rain is very prevalent in Holland and the Southern half of France.

Subsequent changes. According to the 13h. map the depression over France was drifting across Belgium for the North Sea region, rain being general along the Channel, North-east France and the east coast of England.

H.H.

SUNDAY 5th

JANUARY, 1919, at 13h. (1p.m.) G.M.T.



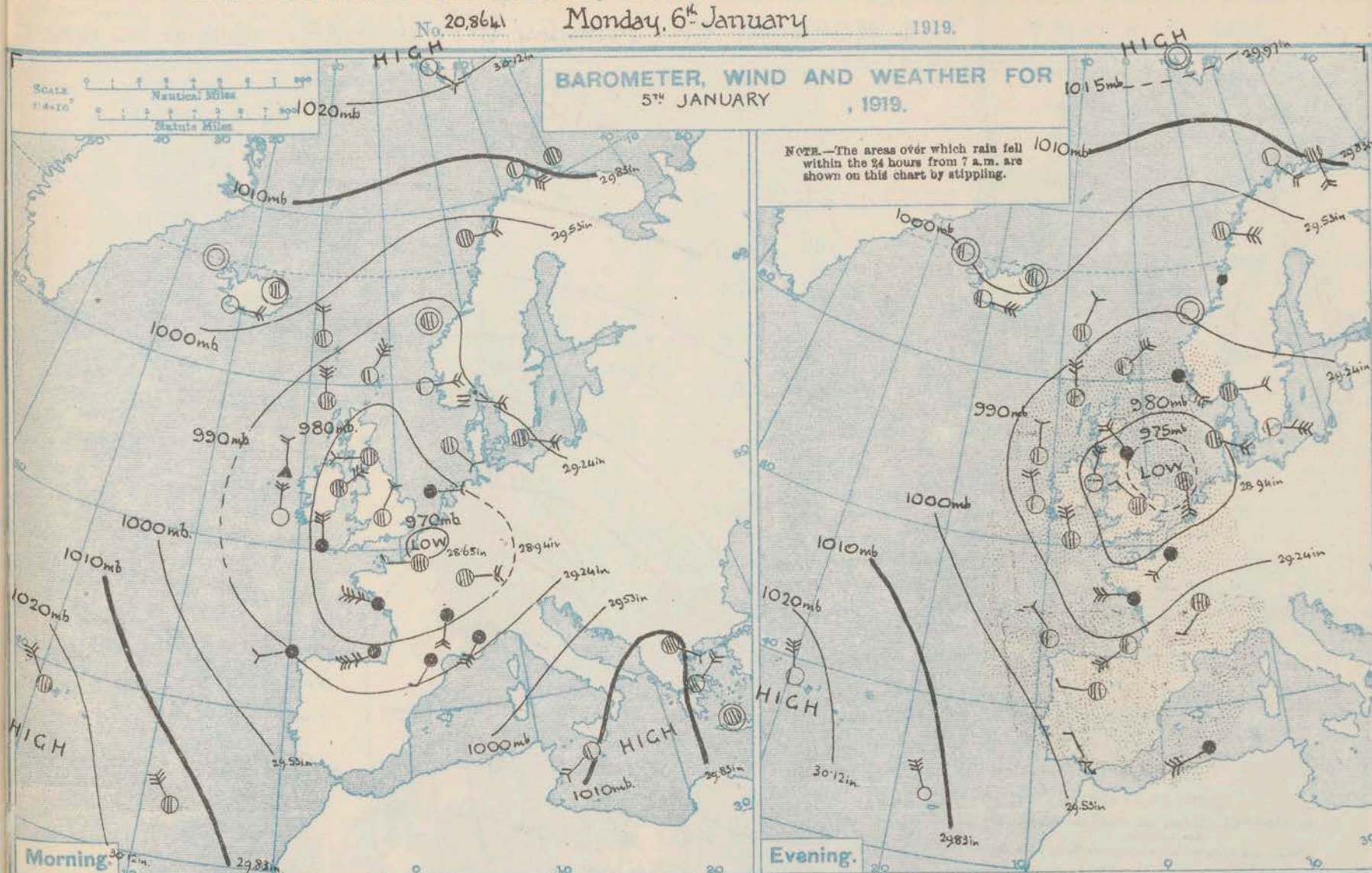
DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919. No. 5... SUNDAY, 5TH JANUARY

STATIONS.		EVENING OF 4 TH					MORNING OF 5 TH										24 HOURS ENDED 7 TH						Sun- shine for 4 TH Hours.
		Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	TEMP. °F.	Change in 24 hours.	WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
				Direc.	Force 0-12.						Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick ...	987.0	38	ENE	7	bc	984.1	+1	38	+1	NE	6	-	bcm	4	1	39	34	c	bc	cm	*	
	Houton B. (Orkney) ...	984.2	38	NE	6	bc	984.4	*	37	+3	NE	6	*	b	4	*	38	34	of	bc	bc	*	
	Stornoway ...	983.9	39	N	3	bc	988.5	+2	37	+4	N	6	-	bc	5	4	41	33	bcp.	bc	bc	0.7	
	Castlebay (Barra Isd.) ...	982.4	41	NNE	4	b	984.9	+1	41	+2	NNE	4	-	bc	4	-	42	39	c. bc	bc	bc	1.7	
	Glasgow ...	979.7	36	NNW	2	og	979.9	0	38	+5	N	2	-	od	*	4.4	38	32	c. o	og	og	0.0	
	Esdailemuir ...	976.7	34	N	4	or	977.1	0	35	+4	N	4	-	ors	*	2	36	30	ox. od	ors. or	ors. or	0.0	
	Malin Head ...	980.4	40	NE	3	cv	981.5	+2	42	+4	ENE	4	E	bcg	4	1	42	38	cph.	cv	bcg	0.0	
	Blacksod Point ...	982.3	37	-	0	beph	984.5	+2	39	+4	N	3	-	beph	3	6	40	34	bcp	bcp	bcp	*	
	Valencia (Cahirveen) ...	981.3	41	N	4	bc	983.3	+2	41	+8	N	4	-	b	3	2	41	32	b. bc	bc	b	4.7	
	Roche's Point ...	979.4	38	N	3	b	981.1	+1	37	+1	NNW	4	-	b	3	0.2	39	35	b. bc	bc	b	*	
	Birr Castle ...	979.7	34	NW	1	c	981.4	*	33	-2	NW	1	-	o	*	-	36	30	o	of	o	0.0	
	Donaghadee ...	977.2	41	NE	5	og	979.5	+1	41	+3	NE	5	NE	bcmg	4	2	41	37	og	cm	cm	*	
	Liverpool (Bidston) ...	976.5	36	-	0	c	976.9	0	35	0	NNE	1	-	om	1	3	37	34	ors.	p. o. c	c. ox	0.0	
	Holyhead ...	977.1	36	NE	3	og	977.5	+1	42	+5	NE	5	-	og	4	4	42	38	bc	eg	c. op	2.1	
	Pembroke (St. Ann's) ...	977.6	36	NE	2	cv	977.3	+2	37	-3	NE	2	-	o	2	1	47	35	cph	cv	cv	3.1	
	Hartland Quay ...	977.6	36	NE	2	cv	977.3	+2	37	-3	NE	2	-	o	2	1	47	35	cph	cv	cv	*	
	Scilly (St. Mary's) ...	973.9	42	N	6	c	976.4	0	39	+3	N	5	N	r	6	4	47	35	bc	c	c	0.0	
	Falmouth ...	972.8	35	NNE	7	og	974.7	+1	38	+5	N	4	-	or	*	6	39	32	og	d.	og	0.0	
	Jersey (St. Aubin) ...	969.8	45	ESE	5	b	970.2	0	43	+2	S	3	-	o	3	7	46	41	c. or	op	or	0.0	
	Portland Bill ...	971.7	40	SE	4	or	971.2	+1	40	-4	NNE	4	-	or	4	13	44	39	bc	or	or	*	
	Dungeness ...	975.9	43	S	4	rq	971.4	0	45	+8	E	2	E	c	2	5	45	37	bcp	c	c	*	
NORTHEN EUROPE.	Wick ...	982.3	42	ENE	5	o	982.7	+2	41	-1	NE	5	-	o	6	4	43	38	omp	omp	omp	*	
	Nairn ...	981.0	39	NE	3	ou	982.3	*	40	+9	NNW	4	-	o	3	5	41	30	dou	ohp	ohp	0.0	
	Aberdeen ...	978.5	39	NNE	5	or	979.2	+2	41	+8	NNE	4	-	o	4	6	41	33	bc	cop	op	0.0	
	Leith ...	977.3	39	NNE	5	r	977.1	0	40	+3	NNE	6	-	o	4	4	40	37	og	d.	r	*	
	Tynemouth ...	972.3	41	NE	6	tr	975.0	+1	38	-1	W	2	-	om	4	9	41	36	om	qr	om	*	
	Spurn Head ...	976.0	42	SW	4	og	976.2	0	41	-1	NNE	3	-	od	4	2	42	33	orp	og	bc	0.0	
	Yarmouth (Gorleston) ...	981.0	38	SW	3	c	975.1	-1	42	+2	SW	2	-	bc	2	4	43	36	o. bc	bc	om	0.0	
	Clacton-on-Sea ...	977.4	43	SSE	3	c	973.2	0	42	+4	N	3	-	og	2	1	43	36	og	bc	bc	2.5	
	Nottingham ...	977.2	31	SW	1	b	975.5	*	35	+1	NNE	2	-	of	*	0.2	35	25	om	om	bc	0.1	
	Benson (Oxon.) ...	976.7	37	E	2	o	973.7	+1	36	+1	NNE	2	-	o	*	1	38	33	b. bc	bc	no	*	
	Sth Farnborough ...	-	-	NE	3	om	972.4	+1	39	+5	ENE	2	-	o	*	3	39	33	o. bc	o. om	om	1.8	
	Salisbury Plain ...	974.6	37	ENE	2	or	973.3	+2	36	+6	NNE	3	-	od	*	3	37	29	bc	co	so	*	
	London (Kew Obs.) ...	976.5	40	S	2	r	973.0	+1	39	+3	NNE	2	E	c	*	2	40	36	o. bc	o. bc	o. bc	2.2	
FRANCE, &c.	Spitsbergen ...	1020.3	-8	SE	1	b	1020.4	+1	0	+13	SE	2	*	b	7	*	0	-18	THE BEAUFORT SCALE OF WIND FORCE.				
	Vardö ...	1016.3	21	SW	4	b	1014.6	0	23	-2	-	0	-	o	2	*	27	21					
	Gjesvær ...	1012.4	21	SE	6	b	1007.8	*	21	-4	SE	6	-	bc	3	-	25	18	Limits of Velocity.				
	Bodö ...	1001.0	28	E	4	c	995.5	-3	32	+7	ENE	4	-	o	2	-	32	23					
	Christiansund ...	990.6	30	E	3	c	987.1	+1	39	+7	-	0	-	c	3	-	39	30	No.		Statute miles per hour.		
	Skudesnaes ...	981.1	41	E	6	j	984.7	+2	39	+2	E	4	-	b	4	-	41	36			Metres per second.		
	Færder (Xlantia Fjord) ...	987.4	36	ENE	6	n	990.6	+2	37	+3	ESE	4	-	o	3	8	37	34	0		Less than 1		
	The Scaw (Skagen) ...	999.4	39	ESE	6	r	989.0	+1	37	+1	ESE	4	-	m	4	8	41	36	1		1-3		
	Blaavands Huk ...	984.4	39	WSW	2	bc	985.2	-3	39	+2	SE	2	-	c	*	5	41	32	2		4-7		
	Copenhagen ...	989.3	39	S	3	c	988.8	-2	37	-2	ESE	3	-	bc	*	2	39	34	3		8-12		
Bornholm ...	991.0	37	S	4	m	989.3	-2	37	0	SE	4	-	o	1	1	39	34	4		13-18			
IBERIA, &c.	The Helder ...	981.6	37	SSE	3	b	976.3	-2	41	-2	E	2	-	r	1	Trace	45	37	BEAUFORT NOTATION.				
	C. Gris Nez ...	977.6	41	ESE	2	r	971.5	-2	41	0	E	2	*	o	2	6	46	39					b blue sky (not more than a quarter covered).
	La Hève ...	974.1	39	SSE	6	c	971.9	0	43	+4	SSE	2	*	o	*	6	48	37	bc sky partly cloudy (one half covered).				
	Brest (St. Mathieu) ...	968.0	48	SE	4	c	975.4	+1	41	0	NNW	5	*	o	*	18	52	36	c generally cloudy (three quarters covered).				
	Rochefort (de l'Alx) ...	973.0	46	S	5	r	969.2	+4	46	+1	NW	9	*	r	*	19	52	41	d drizzle, or fine rain.				
	Biarritz ...	974.9	52	SSW	5	o	981.5	+5	50	+2	WSW	9	*	r	*	90	55	48	e wet air without rain falling.				
	Paris ...	977.9	43	SE	3	r	971.1	-1	43	0	W	1	*	o	*	10	46	41	f fog.				
	Belfort ...	987.1	41	ENE	4	o	975.3	*	36	-1	E	4	*	o	*	-	50	36	g gloom.				
	Lyons ...	981.0	48	S	5	o	977.3	+11	41	0	SSW	4	*	r	*	14	52	41	h hail.				
	Nice ...	996.8	45	E	3	r	986.6	0	48	0	SSW	7	*	r	*	19	52	41	i lightning.				
MEDITERRANEAN.	Perpignan ...	979.9	54	-	0	bc	982.0	+11	46	+5	SW	1	*	r	*	Trace	59	41	m mist.				
	Sanguinaire ...	979.9	54	-	0	bc	982.0	+11	46	+5	SW	1	*	r	*	Trace	59	41	o overcast sky.				
	Corunna ...	1004.9	46	W	5	o	981.8	-9	48	0	WSW	3	-	o	4	32	54	45	p passing showers.				
	Madrid ...	1004.9	46	W	5	o	981.8	-9	48	0	WSW	3	-	o	4	32	54	45	q squalls.				
MEDITERRANEAN.	Lisbon ...	1004.9	46	W	5	o	981.8	-9	48	0	WSW	3	-	o	4	32	54	45	r rain.				
	Azores (Horta) ...	1025.9	*	NNW	4	c	1024.6	-2	61	-1	NW	5	*	o	3	-	63	59	rs sleet, i.e., rain and snow together.				
	" (P. Delgada) ...	1025.9	*	NNW	4	c	1024.6	-2	61	-1	NW	5	*	o	3	-	63	59	s snow.				
	Madeira ...	1014.1	66	NW	6	c	1013.0	-1	61	+4	NW	6	-	c	6	-	68	53	t thunder.				
	Gibraltar ...	1014.1	66	NW	6	c	1013.0	-1	61	+4	NW	6	-	c	6	-	68	53	u ugly, threatening sky.				
	Algiers ...	1009.0	51	-	0	r	1009.0	0	57	0	SW	3	-	bc	3	-	59	54	v unusual visibility.				
	Malta ...	1009.0	51	-	0	r	1009.0	0	57	0	SW	3	-	bc	3	-	59	54	w dew.				
	Salonica ...	1006.9	56	NNE	3	r	1006.7	+3	55	0	NE	4	-	c	3	2.2	57	54	x hoar frost.				
	Athens ...	1006.9	56	NNE	3	r	1006.7	+3	55	0	NE	4	-	c	3	2.2	57	54	y dry air; humidity less than 60 per cent.				
	Candia ...	1006.9	56	NNE	3	r	1006.7	+3															

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

Monday, 6th January

1919.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 5th JANUARY

WEATHER OBSERVATIONS FROM FOREIGN STATIONS.																	MORNING OF 5 TH						
STATIONS.		EVENING OF 4 TH					MORNING OF 5 TH										MORNING OF 5 TH						
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Direc.		Force 0-12.
		* F.							* F.	* F.					* F.	* F.							
RUSSIA.	Orlov ...	*	*	*	*	*									*	*							
	Kem ..	*	*	*	*	*									*	*							
	Archangel ...	*	*	*	*	*									*	*							
	Mesen...	*	*	*	*	*									*	*							
SWEDEN.	Haparanda ...							*						*	*	*							
	Hernösand ...							*						*	*	*							
	Stockholm ...							*						*	*	*							
	Wisby ...							*						*	*	*							
	Sordovalä ...							*						*	*	*							
	Hangö ...							*						*	*	*							
ITALY.	Venice ...							*															
	Turin ...							*															
	Pesaro ...							*															
	Leghorn ...							*															
	Rome ...							*															
	Viesti ...							*															
	Brindisi ...							*															
	Cagliari ...							*															
	Palermo ...							*															
	Tripoli ...							*															
TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.																	6 TH AND 7 TH JAN. 1919.				Sunrise.	Noon.	Sunset.
																	G.M.T.				G.M.T.	G.M.T.	
Yarmouth ...																	8.5 8.4	11.59 11.59	3.52 3.54				
Greenwich ...																	8.6 8.6	12.6 12.6	4.5 4.6				
Wick ...																	9.1 9.0	12.18 12.18	3.34 3.36				
Valencia ...																	8.50 8.49	12.47 12.47	4.43 4.44				

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

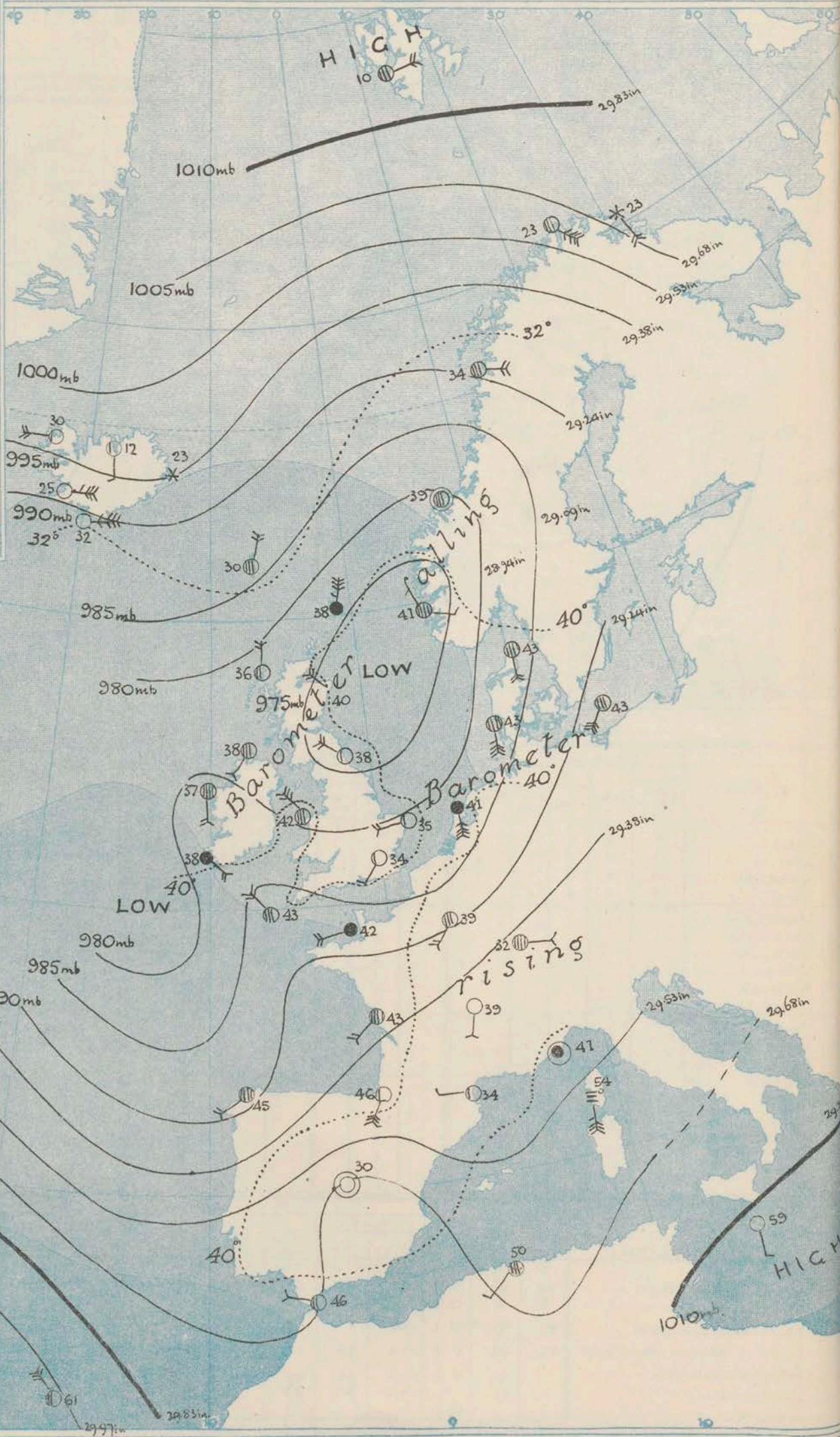
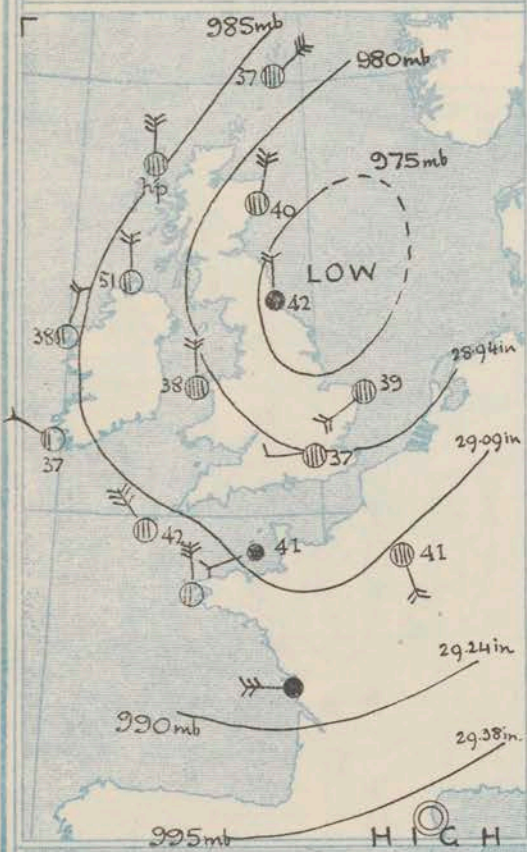
6 th JAN. 1919.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	8.5	11.59	3.52
Greenwich ...	8.6	12.6	4.5
Wick ...	9.1	12.18	3.34
Valencia ...	8.50	12.47	4.43

LONDON 6 th JANUARY 9h. G.M.T.	HUMIDITY.		Sun- shine for 5 th	TEMPERATURE.			Rain- fall. mm.	WEATHER.		
	15 h.	9 h.		Max.	Min.	Min. on Grass		Morning.	Afternoon.	Night.
	%	%		°F.	°F.	°F.				
GREENWICH (Royal Observatory)	94	96	0.0	41	31	22	1	of	of	of. b.c.c.
CITY (Banhill Row)	*	*	0.0	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	99	92	0.0	42	32	27	-	*	*	*
" (Roof near Charing Cross)	92	92	0.0	42	35	*	-	ogm	ogm	ogm d.
CAMDEN SQ. (British Rainfall)	-	94	0.0	42	32	26	0.3	-	-	*
KENSINGTON PALACE	*	91	*	42	33	23	-	o	o	*
RICHMOND PARK	*	*	0.0	*	*	*	*	*	*	*

SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 5 th		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts
111	3.9	12

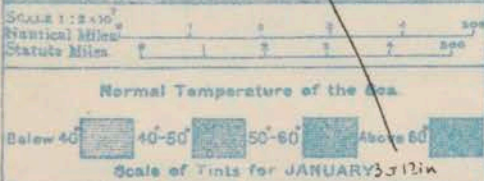
6th JAN, at 1h. G.M.T.

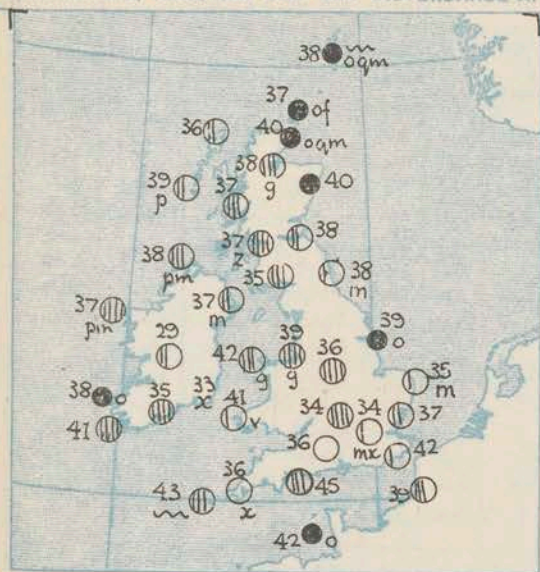
THE MORNING OF Monday, 6th JANUARY 1919 at 7h. G.M.T.



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. Calm
TEMPERATURE.—Given in degrees Fahrenheit.
 Isotherms shown by dotted lines.
WEATHER.—Shown by the following symbols:—
 ○ clear sky ○ sky & clouded. ○ sky & clouded.
 ○ sky & clouded. ○ overcast sky ● rain falling.
 * snow. ▲ hail. ≡ fog. ≡ mist. T, thunder.
SEA DISTURBANCE.—Rough High





NOTES

Notes on the Weather of the 24 hours ended 7h. Today

The day was overcast over most of the country but 3 hours of sunshine were recorded at Valencia and Falmouth, and 5 hours at Birr Castle. Precipitation in the form of showers or rain was measured in all districts, the heaviest fall being 15 mm. at Yarmouth. Temperature reached 40° or a little over generally; the daily range was small on the east coast.

The Conditions at 7h. Today

A depression lies over the Northern North Sea and another depression is approaching the west coast of Ireland, where the barometer is falling rather briskly. Winds over the eastern North Sea and the Low Countries are high from the south and fresh from W. over the English Channel. In the northern Islands and the extreme north of Scotland strong Northerly winds prevail. Over other parts of the British Isles winds are of moderate force. The sky is variable with some local rain.

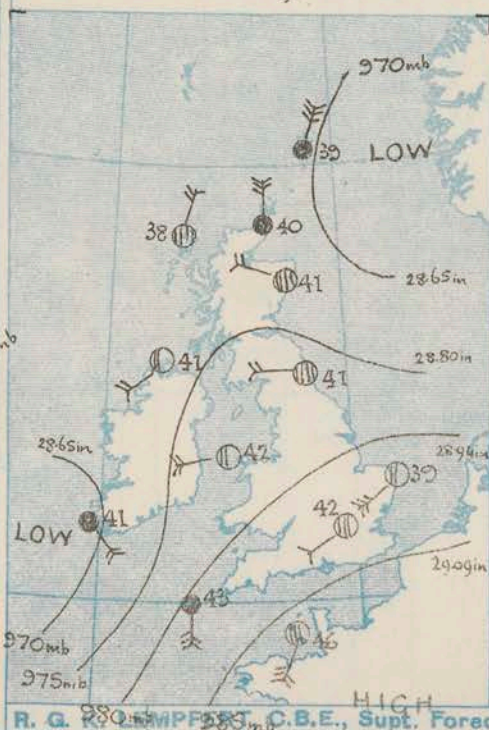
The Outlook

Depressions from the Atlantic are likely to maintain a very unsettled type of weather with winds from between S. and W. over England but more variable over Scotland.

H.H.

Monday, 6th

JANUARY, 1919, at 13h. (1p.m.) G.M.T.



The fall of pressure has become rapid in the SW. of Ireland at 1 p.m. The Southerly wind is likely to spread quickly over England with deteriorating weather.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919. No. 61. MONDAY, 6TH JANUARY.

STATIONS.	EVENING OF 5 TH					MORNING OF 6 TH										24 HOURS ENDED 7 A.M. 6 TH							Sun- shine for 5 TH Hours.
	Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 8 hours.	TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.					
			Direc.	Force 0-12.				Dry Bulb. °F.	Change in 24 hours. °F.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.			
BRITISH ISLANDS.	Lerwick ...	986.9	37	NE	5	bc.	975.8	-4	38	0	N	7	-	omgtr	5	2	40	35	bc.	cm.	omgtr	1.0	
	Houton B. (Orkney) ...	986.1	38	NE	7	bc.	975.8	-4	37	0	NE	8	-	rf	4	38	35	bc.	sh.	om.	0.5		
	Stornoway ...	997.6	36	N	5	bc.	979.4	-4	36	-1	N	3	-	bc	4	4	39	35	bc.	bc.	bc.	1.0	
	Castlebay (Barra Isd.) ...	997.0	39	NNE	4	b	978.4	-3	39	-2	N	4	-	bcf	4	4	41	36	bc.	c.b.	bcf.	0.0	
	Glasgow ...	982.3	40	NE	3	o	978.3	-2	37	-1	W	2	-	oz	0.2	40	36	og.	odfg.	og.	0.0		
	Eskdalemuir ...	976.9	37	N	3	o	976.7	-2	35	0	E	1	-	c	1	38	34	og.	od.	od.	0.0		
	Malin Head ...	984.0	41	NE	5	cg.	978.8	-3	38	-4	SW	2	E	cmf	3	2	43	37	bcg.	cg.	cmf.	0.7	
	Blackod Point ...	988.9	39	N	2	bcf	981.7	-7	37	-2	S	3	-	cmf	3	1	43	35	bcf.	bcf.	bc.omp.	3.0	
	Valencia (Cahirveen) ...	988.5	42	NNW	4	b	982.1	-8	38	-3	SE	3	-	om	4	1	45	33	b.b.c.	c.b.c.	b.b.c.	3.0	
	Roche's Point ...	986.3	41	NNW	4	b	984.1	-2	35	-2	E	1	-	o	1	42	33	b.b.c.	bc.	bc.	5.2		
	Birt Castle ...	984.5	37	NW	2	c	981.8	-2	29	-4	NW	1	-	bc	1	41	29	bc.	c.	bc.	1.1		
	Donaghadee ...	979.2	43	NNE	5	omgtr	979.2	-2	37	-4	NW	4	NW	bc	4	1	44	36	bc.	omgtr.	cgz.cm.	0.1	
	Liverpool (Bidston) ...	978.9	38	N	1	o	979.6	0	39	+4	W	3	-	og	2	-	42	35	bc.	om.	o	0.1	
	Holyhead ...	979.2	43	NNE	5	og	979.7	0	42	0	NW	5	-	cg	4	1	44	41	o.c.og.	o.c.og.	og.	0.1	
	Pembroke (St. Ann's) ...	982.1	42	NW	4	cv	983.8	+1	41	+4	NW	3	NW	bc	3	1	44	37	c.ch	ch.	ch.	2.2	
	Hartland Quay ...	982.1	42	NW	4	cv	983.8	+1	41	+4	NW	3	NW	bc	3	1	44	37	c.ch	ch.	ch.	2.2	
	Scilly (St. Mary's) ...	984.0	44	NNW	6	c	987.5	0	43	+4	NW	4	NW	c	5	5	45	35	ch.	ch.	c.b.b.	0.0	
	Falmouth ...	981.9	40	N	5	bcf.	985.9	+1	36	-2	WNW	2	-	bc	4	4	45	36	og.	og.	bcf.	3.2	
	Jersey (St. Aubin) ...	977.9	44	N	3	om	986.2	+1	42	-1	WSW	4	-	om	4	7	47	41	of.c.o.	o.c.om	of.	0.1	
	Portland Bill ...	978.7	37	N	3	bc	983.3	+3	45	+5	W	5	W	c	3	6	45	37	om.	c.b.c.	bc.c.	0.1	
	Dungeness ...	975.8	40	WNW	2	o	982.8	+2	42	-3	WSW	3	W	b	3	1	45	37	c.oi	oi.	oi.	0.1	
Wick ...	984.7	42	NE	5	o	975.6	-7	40	-1	NNE	6	-	omgtr	6	4	43	39	omgtr.	omgtr.	omgtr.	0.0		
Nairn ...	983.9	40	N	3	o	976.5	-2	38	-2	N	2	-	cg	2	6	40	37	og.	cg.	og.	0.0		
Aberdeen ...	981.9	41	N	3	of	973.2	-4	40	-1	NW	4	-	r	4	5	42	40	of.	o.c.og.	of.	0.0		
Leith ...	980.6	40	NE	4	o	975.8	-1	38	-2	SW	1	SW	bc	3	0.4	42	37	og.	o.	o.c.b.	0.0		
Tynemouth ...	977.2	43	NW	4	omr	974.6	0	38	0	NW	4	-	bm	4	5	44	36	om.	om.	bm	0.0		
Spurn Head ...	973.8	41	NW	2	oi	977.8	+3	39	-2	W	4	-	oi	3	9	43	38	oi.	oi.	oi.	0.0		
Yarmouth (Gorleston) ...	972.6	42	NW	2	r	980.5	+3	35	-7	WSW	3	-	bm	4	15	44	35	bc.	omr.	omr.	0.0		
Clacton-on-Sea ...	974.3	40	WNW	3	ogm	982.5	+2	37	-5	SW	3	-	bc	2	5	43	36	ogm.	ogm.	ogm.	0.0		
Nottingham ...	976.4	38	NW	2	om	979.3	0	36	+1	WSW	2	-	o	1	39	34	om.	om.	om.	0.0			
Benson (Oxon.) ...	977.7	37	NW	1	o	981.6	+2	34	-2	SW	2	-	o	0.3	38	33	om.	om.	b	0.0			
Sth Farnborough ...	-	-	WSW	3	o	982.7	+1	36	-3	WSW	3	-	b	Trace	39	29	om.	o.	o.b.	0.0			
Salisbury Plain ...	979.0	35	WNW	2	o	982.5	+2	36	0	WSW	3	W	b	Trace	36	27	om.	om.	om.	0.0			
London (Kew Obsy.) ...	977.1	39	NW	1	om	982.6	+2	34	-5	SW	1	W	bm	Trace	41	34	om.	om.	om.	0.0			
NORTHERN EUROPE.	Spitsbergen ...	1318.6	-9	-	o	b	1014.6	-1	10	+0	E	4	-	c	3	27	23	-	-	-	-		
	Vardö ...	1010.9	27	S	4	o	1006.3	-1	23	0	S	4	-	c	3	27	23	-	-	-	-		
	Gjesvær ...	1003.4	23	SE	4	b	994.6	0	23	+2	SE	8	-	c	3	23	19	-	-	-	-		
	Podö ...	993.5	34	ESE	6	c	991.7	-5	34	+2	ESE	4	-	c	2	34	30	-	-	-	-		
	Christiansund ...	990.9	32	-	o	b	980.0	-6	39	0	-	0	-	c	3	34	32	-	-	-	-		
	Skudesnaes ...	983.4	41	SE	5	r	973.1	-15	41	+2	ESE	1	-	o	4	6	41	36	-	-	-	-	
	Færder (X'lania Fjord) ...	989.2	37	ENE	6	o	981.5	-2	39	+2	SSE	6	-	o	3	39	37	-	-	-	-		
	The Scav (Skagen) ...	986.9	37	E	3	o	982.1	+1	43	+6	SSE	4	-	o	4	43	37	-	-	-	-		
	Blaavands Huk ...	979.4	39	ESE	4	o	980.7	+3	43	+4	S	7	-	o	4	45	36	-	-	-	-		
	Copenhagen ...	985.1	39	ESE	4	b	989.3	+5	41	+4	SW	4	-	c	4	41	36	-	-	-	-		
Bornholm ...	985.6	39	ESE	7	m	991.8	+4	43	+6	SW	6	SW	c	1	-	43	37	-	-	-	-		
FRANCE, &c.	The Helder ...	972.0	45	S	5	o	982.0	+4	41	0	S	8	-	r	4	4	45	41	-	-	-	-	
	C. Gris Nez ...	975.8	43	WNW	3	o	984.0	-3	44	+3	WSW	5	-	o	4	30	45	41	-	-	-	-	
	La Hève ...	978.6	41	SW	4	o	986.3	+2	41	-2	W	5	-	bc	Trace	45	39	-	-	-	-		
	Brest (St. Mathieu) ...	983.0	46	N	5	c	989.5	+1	46	+5	NW	5	-	bc	15	50	39	-	-	-	-		
	Rochefort (Ile d'Aix) ...	984.4	45	W	6	r	993.2	+3	43	-3	SW	3	-	o	16	50	43	-	-	-	-		
	Biarritz ...	991.4	48	SW	6	bc	997.6	+2	46	-4	SSW	6	-	b	Trace	50	45	-	-	-	-		
	Paris ...	981.9	41	SW	4	r	989.7	+6	39	-4	SSW	3	-	c	12	46	39	-	-	-	-		
	Belfort ...	-	-	-	-	-	997.2	0	32	-4	E	2	-	o	3	48	32	-	-	-	-		
	Lyons ...	992.2	45	SW	1	o	997.2	+3	39	-2	SSW	2	-	o	Trace	48	34	-	-	-	-		
	Nice ...	-	-	-	-	-	996.2	+1	41	-7	-	o	-	r	12	52	41	-	-	-	-		
IBERIA, &c.	Perpignan ...	993.2	46	NW	1	r	997.7	+3	34	-12	W	1	-	b	Trace	54	31	-	-	-	-		
	Sanguinaire ...	-	-	-	-	-	997.9	+2	54	-	S	7	-	m	2	55	50	-	-	-	-		
	Corunna ...	993.7	48	NW	2	c	998.9	-1	45	-3	SW	3	-	o	4	6	50	43	-	-	-	-	
	Madrid ...	996.7	36	W	1	c	1005.7	+6	30	-	-	o	-	b	1	43	30	-	-	-	-		
	Lisbon ...	-	-	-	-	-	1021.9	-2	61	0	NW	6	-	bc	4	-	63	61	-	-	-	-	
	Azores (Horta) ...	1023.3	0	NNW	6	b	1021.9	-2	61	0	NW	6	-	bc	4	-	63	61	-	-	-	-	
	" (P. Delgada) ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Madeira ...	1011.8	63	NW	6	r	1015.1	+3	61	0	NW	5	NE	bc	5	-	66	57	-	-	-	-	
	Gibraltar ...	997.3	47	NW	1	tr	1004.2	0	46	-	WNW	2	-	bc	2	5	55	44	-	-	-	-	
	MEDITERRANEAN.	Algiers ...	997.0																				

THE BEAUFORT SCALE OF WIND FORCE.

No.	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.3
1	1-3	0.3-1.5
2	4-7	1.6-3.3
3	8-12	3.4-5.4
4	13-18	5.5-7.9
5	19-24	8.0-10.7
6	25-31	10.8-13.8
7	32-38	13.9-17.1
8	39-46	17.2-20.7
9	47-54	20.8-24.4
10	5	

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

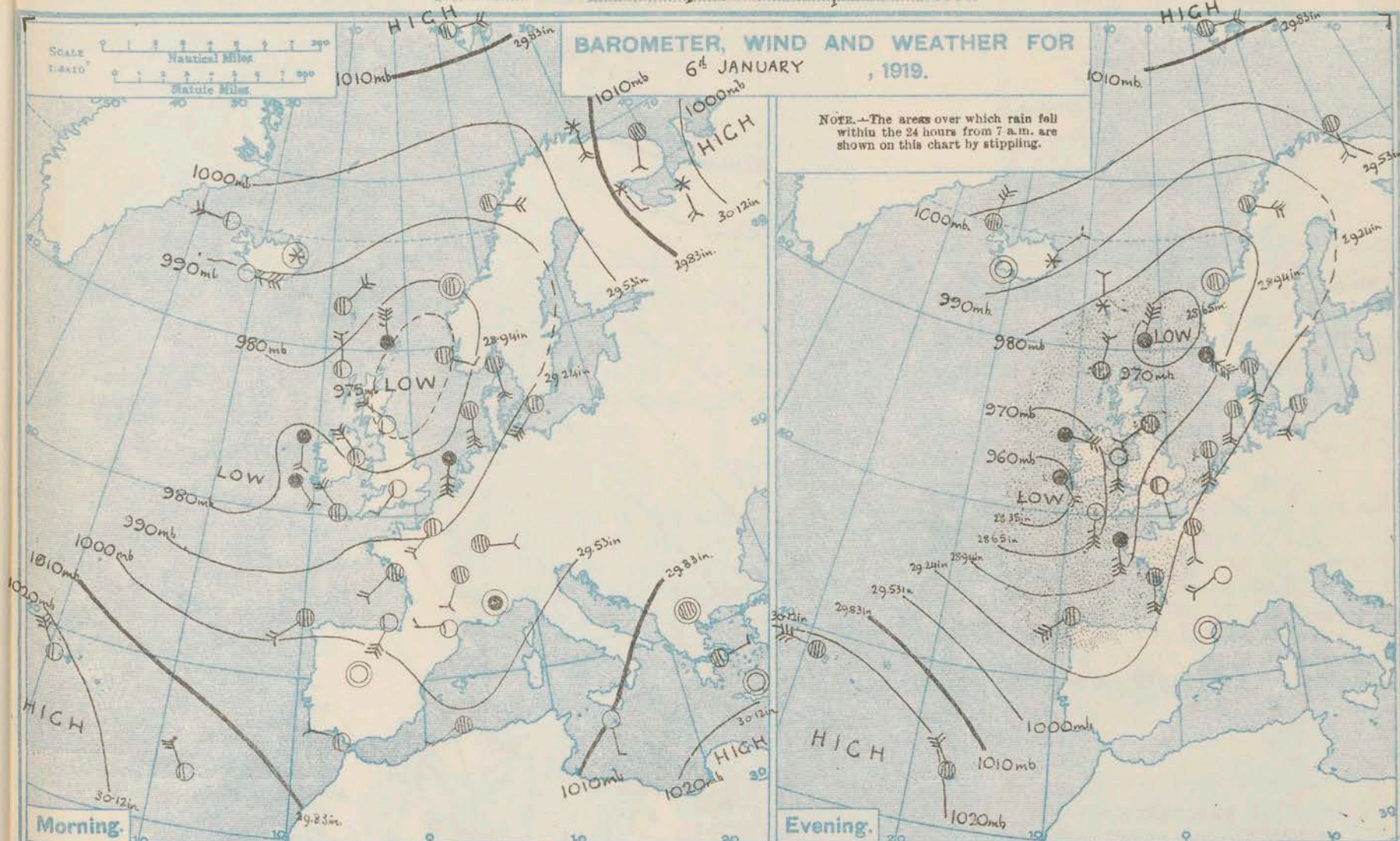
No. 20,865.

Tuesday, 7th January.

1919.

BAROMETER, WIND AND WEATHER FOR 6th JANUARY, 1919.

NOTE.—The areas over which rain fell within the 24 hours from 7 a.m. are shown on this chart by stippling.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 6th JANUARY.

STATIONS.		EVENING OF 5 TH					MORNING OF 6 TH										MORNING OF 6 TH						
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.			
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.	Weather.
		* F.	*	*	*	*	*	*	* F.	*	*	*	*	* F.	* F.			* F.	* F.				
RUSSIA.	Orlov ...	*	*	*	*	*	1017.7	-	14	-2	SSW	3	s		*	*	Isafjord ...	996.8	30	+7	W	4	b
	Kem ...	*	*	*	*	*	1013.3	-	18	+17	SE	1	a		*	*	Reykjavik	992.3	25	0	E	7	bc
	Archangel ...	*	*	*	*	*	1014.8	+3	14	+9	S	3	s	-	*	*	Vestmanna	989.7	32	0	E	8	b
	Mesen...	*	*	*	*	*									*	*	Seydisfjord	995.9	25	-7	-	0	s
SWEDEN.	Haparanda ...						*							*	*	*	Thorsbavn	985.5	30	+2	NNE	4	c
	Hernösand ...						*							*	*	*	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM						
	Stockholm ...						*							*	*	*	7 TH AND 8 TH JANUARY 1919.						
	Wisby ...						*							*	*	*	Sunrise. Noon. Sunset.						
	Sordovalä ...						*							*	*	*	G.M.T. G.M.T. G.M.T.						
ITALY.	Hangö ...						*							*	*	*	Yarmouth ...	...	8.4	11.59	3.54		
	Venice ...						*										Greenwich ...	...	8.4	12.0	3.56		
	Turin ...						*										Wick ...	...	8.6	12.6	4.6		
	Pesaro ...						*										Valencia ...	...	9.0	12.7	4.8		
	Leghorn ...						*												9.0	12.18	3.36		
	Rome ...						*												9.0	12.19	3.38		
	Viesti ...						*												8.49	12.47	4.49		
	Brindisi ...						*												8.49	12.48	4.46		
	Cagliari ...						*																
Palermo ...						*																	
Tripoli ...						*																	

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

7 th and 8 th JANUARY 1919.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	8.4	11.59	3.54
Greenwich ...	8.4	12.0	3.56
Wick ...	8.6	12.6	4.6
Valencia ...	9.0	12.18	3.36
	9.0	12.19	3.38
	8.49	12.47	4.44
	8.49	12.48	4.46

LONDON

7th JANUARY ... 9h. G.M.T.

	HUMIDITY.		Sunshine for 24 hours.	TEMPERATURE.			Rain-fall.	WEATHER.		
	7 th 7 th	7 th 7 th		Max.	Min.	Min. on Grass		Morning.	Afternoon.	Night.
GREENWICH (Royal Observatory)	79	91	2.5	47	35	27	1	bc	bc	a.b. ad.
CITY (Bunhill Row)	x	x	0.1	x	x	x	x	x	x	x
WESTMINSTER (St. James's Park)	83	90	1.3	45	37	31	0.3	x	x	x
(Roof near Charing Cross)	77	92	0.7	45	39	x	0.1	ogm	omg. bcm	bc. ogd.
CAMDEN SQ. (British Rainfall)	80	88	0.3	44	36	29	0.3	a.c.	c	x
KENSINGTON PALACE	x	90	x	48	37	30	0.3	bc	bc. a.	x
RICHMOND PARK	x	x	x	x	x	x	x	x	x	x

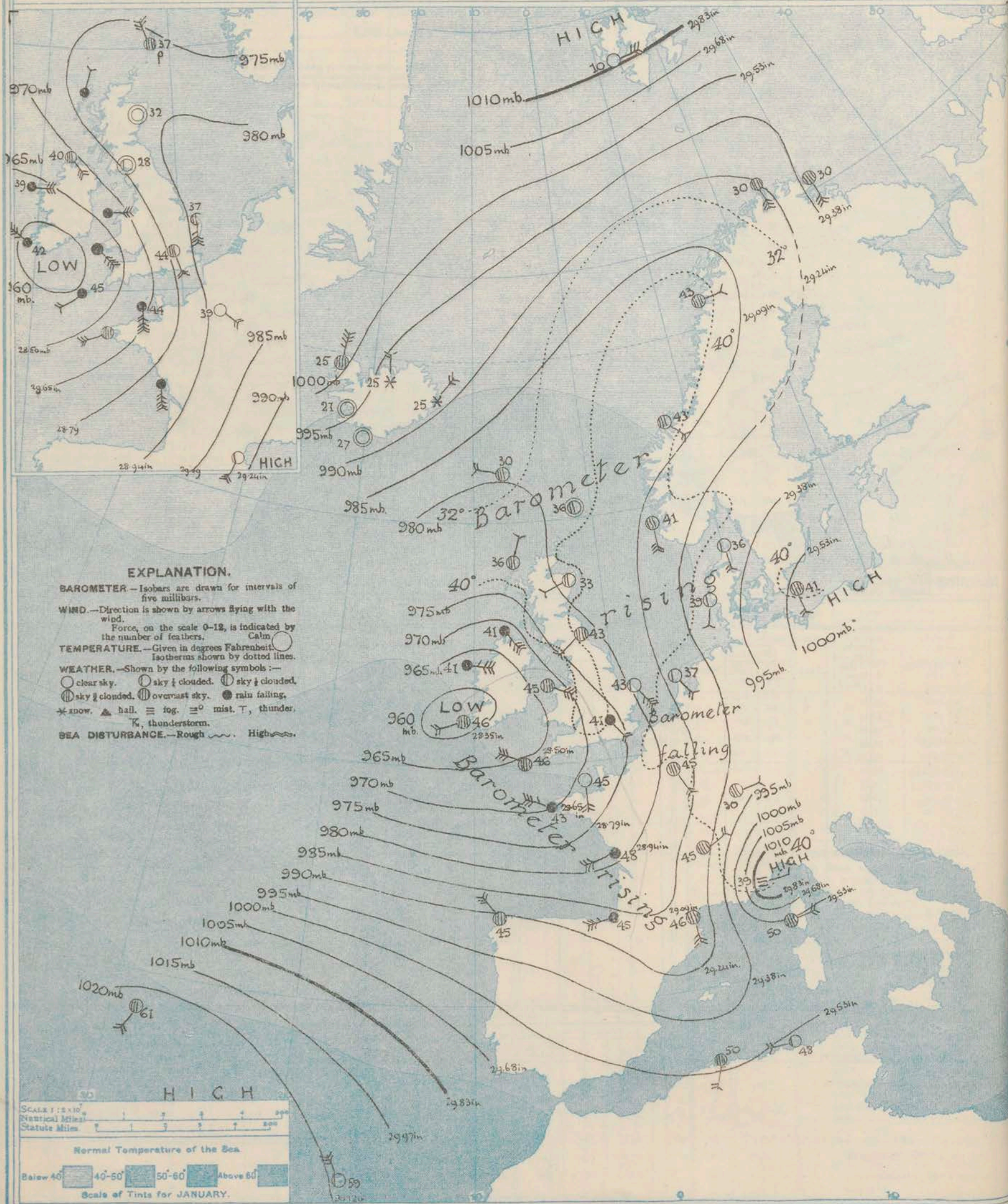
SOUTH KENSINGTON (M.O.)

Vertical Component of Solar Radiation per square Centimetre during 6th

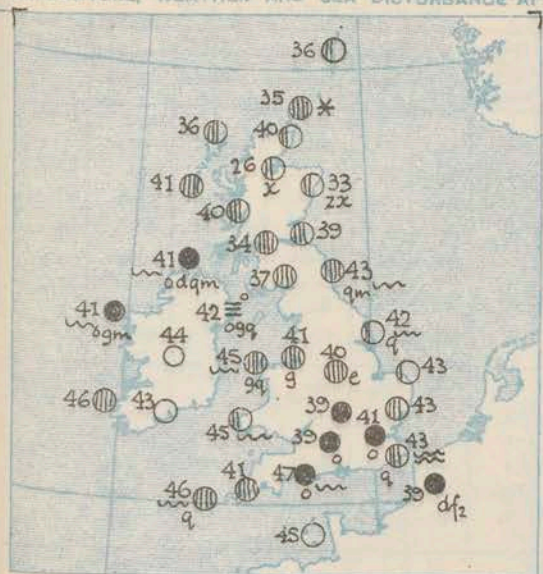
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
230	8.0	27

7th

JAN, at 1h. G.M.T.

THE MORNING OF Tuesday, 7th JANUARY 1919 at 7h. G.M.T.

TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



NOTES.

Notes on the Weather of the 24 hours ended 7h. Today

Very unsettled weather prevailed with rain in all districts and but little sunshine. At Valencia the fall was very heavy amounting to 48 mm. in the 24 hours; 21 mm. fell at Scilly. Temperature rose to 40° or 45° in most regions but to somewhat over 45° in the south-west.

Conditions at 7h. Today

A very deep depression lies over the south-west of Ireland and pressure is relatively high over the Baltic, NW. Iceland and Northern Italy. Winds are strong or high from S. over SE. England, from W. over the Mouth of the Channel and from SE. or E. over the north of Ireland. In Scotland light airs prevail. Rain is reported in a good many places and there is much low cloud over this country but in one or two localities the sky is clear.

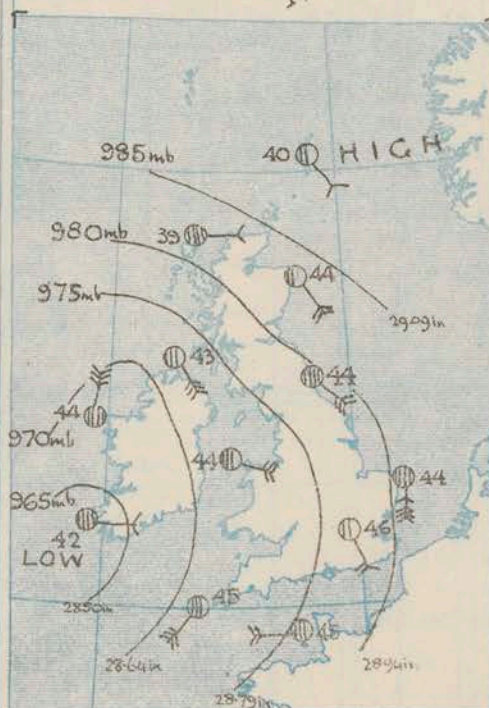
The Outlook

The present disturbed conditions seem likely to continue.

W. N.

Tuesday, 7h.

JANUARY, 1919, at 13h. (1p.m.) G.M.T.



The barometer is rising generally at 13h, more decidedly than this morning at 7h. The depression is remaining almost stationary off the south-west of Ireland but is growing less deep.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919. No. 7.....

TUESDAY,
7TH JANUARY.

STATIONS.		EVENING OF 6 TH					MORNING OF 7 TH										24 HOURS ENDED 7 TH									Sun- shine for 6 TH Hours.
		Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 8 hours.	TEMP.		WIND.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall: Milli- metres.	TEMP.		WEATHER.								
				Direc.	Force 0-12.				Dry Bulb. °F.	Change in 24 hours. °F.						Max.	Min.	Morning.	Afternoon.	Night.						
BRITISH ISLANDS.	Lerwick ...	969.0	38	NNE	7	omr	982.4	+7	36	-2	-	0	-	bc	2	6	39	33	omf	omr	om	*				
	Houton B. (Orkney) ...	973.6	37	N	5	r	977.8	*	37	0	NE	8	*	rf	4	4	38	35	or.	or	or	*				
	Stornoway ...	974.6	35	NNE	3	o	978.3	+2	36	0	NNE	2	-	c	2	3	39	34	c.o.	o	o.c.	0.0				
	Castlebay (Barra Isd.) ...	972.9	39	SE	3	of	976.1	+1	41	+2	NE	4	-	c	4	7	41	37	b.p.o.	ohp.o.	of.c.	0.0				
	Glasgow ...	975.9	36	SSW	2	bcz	977.1	0	34	-3	ENE	4	-	o	*	Trace	39	30	c.bcm	omf.c.	b.o.z.x	0.0				
	Eskdalemuir ...	976.7	32	SSW	2	bcx	976.7	0	37	+2	ESE	4	-	o	*	1	37	27	c.o.bc.	bc.c.	bc.c.o.	3.3				
	Malin Head ...	972.0	35	SE	3	bc	968.7	+1	41	+3	SE	7	-	omgd	6	1	42	35	bc.	bc.	omgd.	4.7				
	Blacksod Point ...	965.4	38	ESE	5	omgd	963.3	0	41	+4	E	7	-	omgr	6	2	42	35	og.u.	og.u.	og.orr	*				
	Valencia (Cahirciveen) ...	958.6	41	ESE	4	r	959.0	0	46	+8	WSW	4	-	b	6	48	46	37	or	or	r.o.b.	0.0				
	Roche's Point ...	962.0	45	SE	8	r	961.0	+2	43	+8	WSW	8	-	r	5	12	46	35	or	r	r.o.b.	*				
	Birr Castle ...	966.7	38	SE	2	r	960.6	*	44	+15	E	1	-	r	*	2	44	28	o	ord	or.od.	0.0				
	Donaghadee ...	974.3	37	SW	2	cgm	969.2	0	42	+5	SE	6	-	ogmq	5	1	42	36	bc.mf.	bm.f.	cgm	*				
	Liverpool (Bidston) ...	977.2	37	SE	3	bc	971.4	+1	41	+2	ESE	5	-	og	4	1	42	36	of.bc.	s.cm.	c.og.	2.5				
	Holyhead ...	973.3	41	S	6	bq	966.3	+1	45	+3	ESE	6	-	ogq	5	Trace	45	39	c.bc.c.	bc.c.b.	c.bfd.	1.4				
	Pembroke (St. Ann's) ...	970.8	44	SSE	6	og.r	964.7	+5	45	+4	S	5	-	bc	5	11	47	41	cv.	ogfhr.	og.r	0.5				
	Hartland Quay ...	970.8	44	SSE	6	og.r	964.7	+5	45	+4	S	5	-	bc	5	11	47	41	cv.	ogfhr.	og.r	0.5				
	Scilly (St. Mary's) ...	966.6	45	S	7	b	966.8	+3	46	+3	WNW	6	-	og	6	21	46	42	ogf.s.	c.ogm	ogf	0.0				
	Falmouth ...	969.5	44	SSE	8	ohrq	967.6	+5	41	+5	NW	1	-	o	*	17	46	34	c.og.	oghrq.	og.b.b.	0.7				
	Jersey (St. Aubin) ...	980.6	46	S	5	o	970.5	+1	45	+3	S	4	-	b	4	1	47	41	or.bc.	c.o.	of.b.	1.8				
	Portland Bill ...	977.7	47	SSE	6	cq	967.3	+1	47	+2	S	4	-	or	6	7	47	45	bc.c.	c	or	*				
	Dungeness ...	983.4	45	SW	5	bcq.	974.9	-3	43	+1	SSW	8	-	cq	7	5	46	41	cqf.c.	cqf.c.	cqf.cq.	*				
NORTHERN EUROPE.	Wick ...	973.3	40	N	4	cm	980.7	+3	40	0	SE	2	-	bc	4	8	40	35	omr.	c.ogm.	omr.bc.	*				
	Nairn ...	974.4	34	-	0	org	980.0	*	26	-12	-	0	-	bcx	0	9	38	25	cdg.	d.g.	h.p.c.	0.0				
	Aberdeen ...	974.6	39	W	2	oh	981.2	+3	33	-7	WSW	2	-	bcz	3	1	42	30	om.oh.	oh.	of.b.z.	0.0				
	Leith ...	975.5	35	SW	1	b	977.3	0	39	+1	SE	2	-	c	2	-	41	32	bc.c.c.	c.bc.b.	b.bc.	*				
	Tynemouth ...	976.1	39	SW	2	om	977.8	0	43	+5	SSW	5	-	omq	5	-	43	35	om	om	cm.	*				
	Spurn Head ...	980.4	39	SSW	3	bc	977.6	0	42	+3	SE	6	-	bcq	5	1	43	38	om	om	bcq.	0.0				
	Yarmouth (Gorleston) ...	983.8	40	SW	4	bm	980.6	+1	43	+8	SSE	7	-	b	5	-	43	34	bm.bc.	bc.c.	b.bq.	0.0				
	Clacton-on-Sea ...	984.1	41	SSE	3	bc	977.7	-3	43	+6	SE	6	-	c	5	-	42	37	bcz.	bcz.	bc.c.	1.5				
	Nottingham ...	980.3	36	S	2	b	974.9	*	40	+4	SE	4	-	oe	*	-	40	32	a.cm.	c.bc.	b	0.6				
	Benson (Oxon.) ...	980.7	35	SE	3	bc	971.9	0	39	+5	SE	5	-	r	*	2	43	34	c.o.	bc.	or	*				
FRANCE, &c.	St. Farnborough ...	981.9	39	S	4	c	973.4	0	40	+4	S	5	-	omn	*	5	44	35	b.o.b.o.	a.b.o.c.	c.borm	4.1				
	Salisbury Plain ...	981.0	39	SE	1	c	970.9	0	39	+3	SE	3	-	or	*	10	43	34	bc.	bc.	cory.or.	*				
	London (Kew Obs.) ...	982.4	38	SSE	1	bo	974.2	0	41	+7	SSE	4	-	or	*	1	44	34	bm.x.c.	c.bc.b.	bc.m.b.o.	2.4				
	Spitsbergen ...	1011.9	10	E	4	c	1010.4	0	10	0	E	5	-	b	*	10	7	30	21							
	Vardö ...	1003.4	25	S	3	o	997.7	-5	30	+7	S	5	-	o	3	*	30	23								
	Gjesvær ...	995.3	28	SE	5	c	990.0	*	30	+7	S	6	-	o	4	-	30	23								
	Bodö ...	981.3	39	ESE	4	c	981.3	0	43	+9	E	2	-	o	2	-	43	34								
	Christiansund ...	973.9	43	-	0	c	982.4	+8	43	+4	SE	3	-	c	3	-	43	25								
	Skudesnaes ...	971.9	43	SE	9	r	986.3	+4	41	0	S	5	-	c	5	20	43	39								
	Frieder (X'tania Fjord) ...	985.3	43	S	7	o	992.0	+3	41	+2	SSW	6	-	o	4	-	43	37								
IBERIA, &c.	The Scaw (Skagen) ...	987.4	41	S	5	o	993.9	+4	39	-4	S	3	-	b	3	-	43	39								
	Blauvands Huk ...	987.7	43	SSW	5	o	994.1	+3	39	-4	SSW	2	-	b	*	-	45	37								
	Copenhagen ...	993.7	41	SW	3	bc	998.4	+2	39	+2	SSW	3	-	bc	*	-	41	37								
	Bornholm ...	996.6	41	SSW	4	o	1000.6	+2	41	-2	S	3	-	o	0	-	45	39								
	The Helder ...	986.9	39	S	5	c	986.7	-1	37	-4	SE	3	-	b	2	1	43	36								
	C. Gris Nez ...	985.3	41	SSE	4	b	977.3	-3	41	+3	SE	5	-	r	*	12	46	37								
	La Hève ...	985.6	43	S	6	b	975.4	+1	41	0	S	7	-	o	*	-	45	39								
	Brest (St. Mathieu) ...	972.7	44	S	7	r	969.9	+2	43	-3	WNW	7	-	r	*	17	50	39								
	Roche fort (Ile d'Aix) ...	957.9	46	S	6	o	978.6	+3	48	+5	WSW	6	-	r	*	18	48	41								
	Biarritz ...	985.5	44	S	6	o	985.5	+4	48	-1	WSW	7	-	r	*	6	52	43								
MEDITERRANEAN.	Paris ...	991.7	43	S	3	o	981.3	-1	45	+6	SSE	4	-	a	*	-	45	39								
	Belfort ...	993.3	43	SW	3	b	993.3	*	30	-2	E	2	-	c	*	-	45	28								
	Lyons ...	999.5	43	SW	3	b	988.6	-1	45	+6	ENE	3	-	o	*	-	48	39								
	Nice ...	1011.4	43	S	3	b	1011.4	-3	39	-2	E	4	-	s	*	2	50	37								
	Perpignan ...	998.9	41	-	0	b	985.9	-1	46	+12	S	5	-	o	*	-	50	34								
	Sanguinaire ...	1004.7	54	E	2	m	999.4	-5	50	-4	E	4	-	o	*	-	57	50								
	Corunna ...	985.9	52	SW	6	c	992.9	-5	45	0	NW	5	-	o	6	8	52	41								
	Madrid ...	1021.6	*	W	4	c	1022.3	0	61	0	SSW	4	-	c	2	1	66	61								
	Lisbon ...	1017.3	64	NW	5	o	1019.7	+1	59	-2	NW	5	-	b	5	-	68	59								
	Azores (Horta) ...	1021.6	*	W	4	c	1022.3	0	61	0	SSW	4	-	c	2	1	66	61								
MEDITERRANEAN.	Madeira ...	1017.3	64	NW	5	o	1019.7	+1	59	-2	NW	5	-	b	5	-	68	59								
	Gibraltar ...	1017.3	64	NW	5	o	1019.7	+1	59	-2	NW	5	-	b	5	-	68	59								
	Algiers ...	1020.3	52	-	0	b	1020.3	0	52	-	-	0	-	b	3	6	64	46								
	Malta ...	1021.2	59	-	0	b	1021.2	0	59	+2	-	0	-	m	0	1	70	55								
	Salonica ...	1019.7	57	-	0	b	1019.7	+1	54	+4	NE	2	-	b	*	-	68	50								
	Athens ...	1019.7	57	-	0	b	1019.7	+1	54	+4	NE	2	-	b	*	-	68	50								
	Candia ...	1019.7	57	-	0	b	1019.7	+1	54	+4</																

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	24.5-28.1
11	64-75	28.2-33.5
12	Above 75	33.6 or above

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.

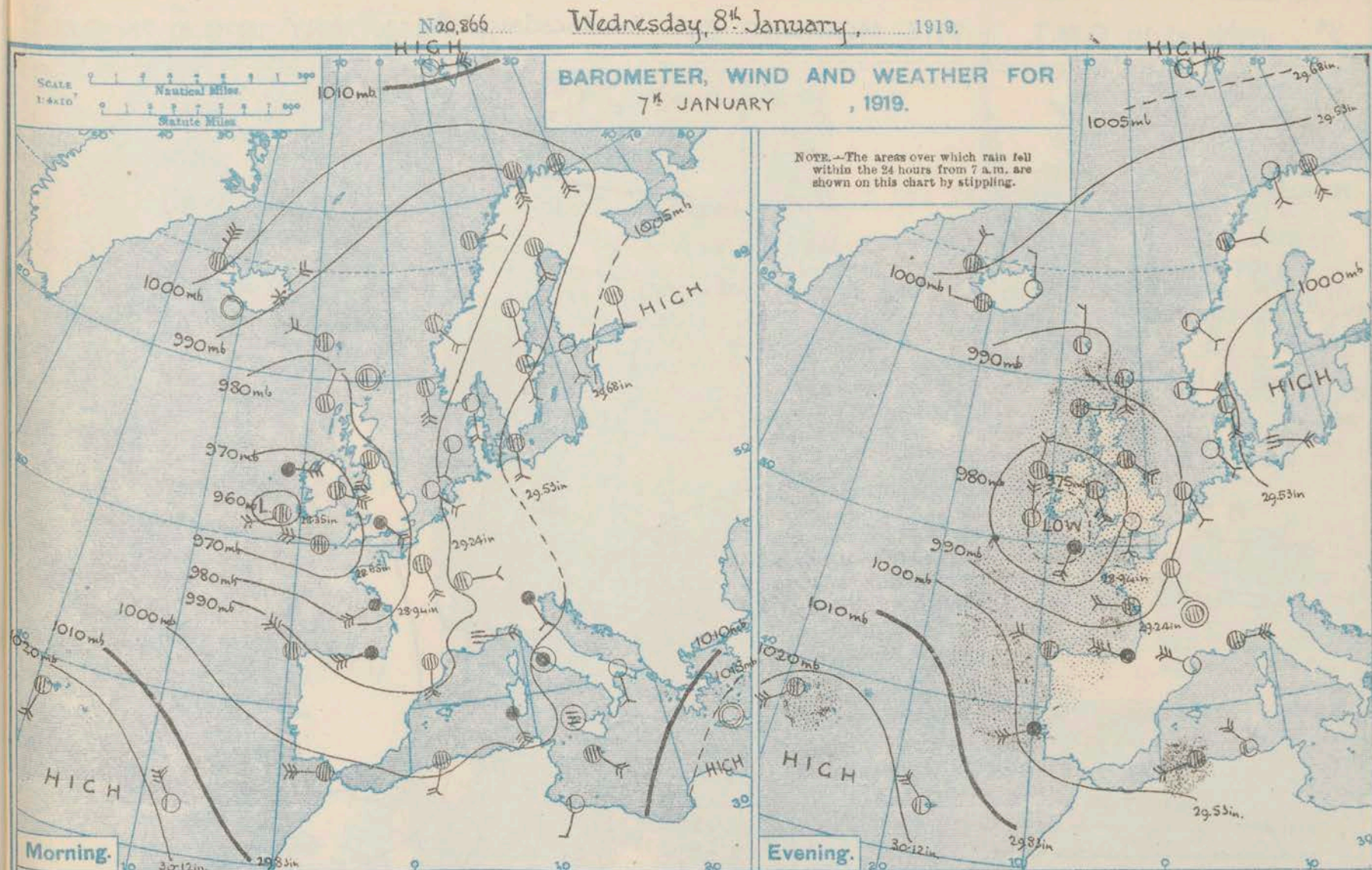
* Information for these columns not usually received.

+ Received too late for insertion in Charts

+ The barometric change is expressed in half-millibars

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

Wednesday, 8th January, 1919.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 7th JANUARY

STATIONS.	EVENING OF 6 TH						MORNING OF 7 TH										MORNING OF 7 TH						
	Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Barometer.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	Barom. Milli- bars at M.S.L.	TEMP.		WIND.				
			Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.	Weather.	
		*F.			*				*F.	*F.				*F.	*F.			*F.	*F.				
Orlov	x	x	x	x	*	1009.3		19	+5	ESE	5	s		x	x							
Kem	x	x	x	x	*									x	x							
Archangel	...	x	x	x	x	*	1013.6	+2	18	+4	S	3	o	-	x	x							
Mesen...	...	x	x	x	x	*									x	x							
Haparanda	...						997.6	*	34		S	4	o	x	x	x							
Hernösand	...						995.7	*	36		S	2	c	x	x	x							
Stockholm	...						999.5	*	36		S	2	c	x	x	x							
Wisby						1003.4	*	39		S	2	c	x	x	x							
Sordovals	...						1007.3	*	34		S	1	o	x	x	x							
Hangö						1000.4	*	36		S	2	b	x	x	x							
Venice	999.3	50	S	1	o	995.1	x	52		SSE	2	r	4	52	43							
Turin	998.6	36	NE	3	r	988.3	x	34		-	o	r	25	37	34							
Pesaro	1000.6	52	S	1	a	996.7	x	54		S	1	o	-	57	50							
Leghorn	...	999.9	48	S	7	r	992.2	x	55		S	8	r	16	59	48							
Rome	1003.9	54	S	1	c	1000.1	x	55		-	o	r	3	57	52							
Viesti	1007.8	50	NE	2	b	1003.7	x	48		S	1	b	-	54	39							
Brindisi	...	1007.9	44	-	o	b	1006.3	x	50		S	2	b	-	57	48							
Cagliari	...	1003.1	54	SE	4	a	993.8	x	50		SSE	6	r	8	63	50							
Palermo	...	1008.1	57	-	o	b	1002.2	x	59		-	o	f	-	66	43							
Tripoli	1011.1	52	SSW	2	b	1009.8	x	52		SSW	1	b	Trace	?	46							

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM				
8 TH AND 9 TH JANUARY 1919.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth	...	8.4 8.3	12.0 12.0	3.56 3.57
Greenwich	...	8.6 8.5	12.7 12.7	4.8 4.9
Wick	...	9.0 8.59	12.19 12.19	3.28 3.40
Valencia	...	8.49 8.48	12.48 12.48	4.46 4.48

LONDON				24 HOURS ENDED 9 a.m. 8 th									
8 th JANUARY. 9h. G.M.T.				TEMPERATURE.			Rain-fall.	WEATHER.					
HUMIDITY.		Sun-shine for		Max.	Min.	Min. on Grass		Morning.	Afternoon.	Night.			
15 h.	9 h.	7 th	8 th	7 th									
%	%	Hours.		° F.	° F.	° F.	mm.						
GREENWICH (Royal Observatory)	78	92	0.6	47	38	26	1	o.c.	o.c.	bc. b. c. o.			
CITY (Bunhill Row)	*	*	0.0	*	*	*	*	*	*	*			
WESTMINSTER (St. James's Park)	80	92	0.0	47	41	32	2	*	*	*			
" (Roof near Charing Cross)	-	-	0.0	48	42	*	0.3	omr. cm.	bc. m. bc.	bc. b.			
CAMDEN SQ. (British Rainfall)	77	89	0.0	47	39	31	1	ov. o.	o	*			
KENSINGTON PALACE	*	86	*	47	39	30	1	o.	o. of.	*			
RICHMOND PARK	*	*	*	*	*	*	*	*	*	*			

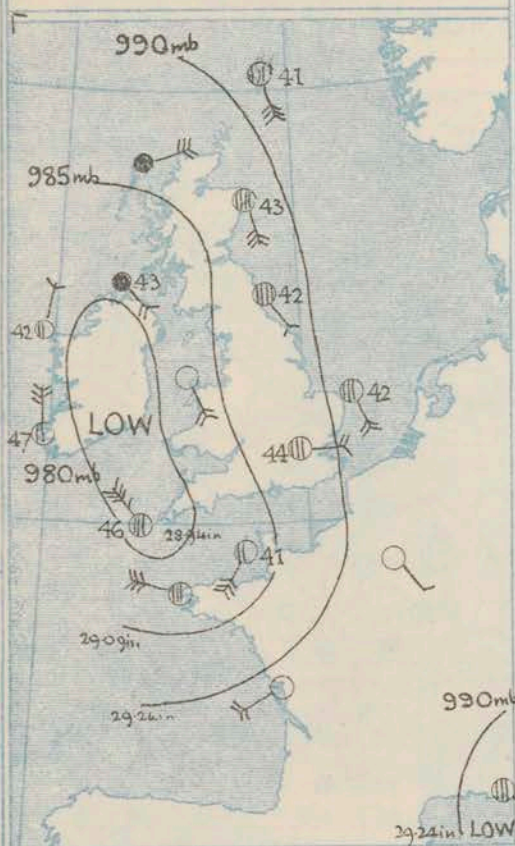
SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 7 th		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
151	5.2	22

NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.

± The barometric change is expressed in half-millibars.

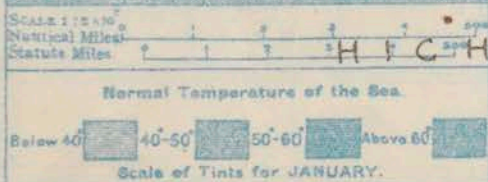
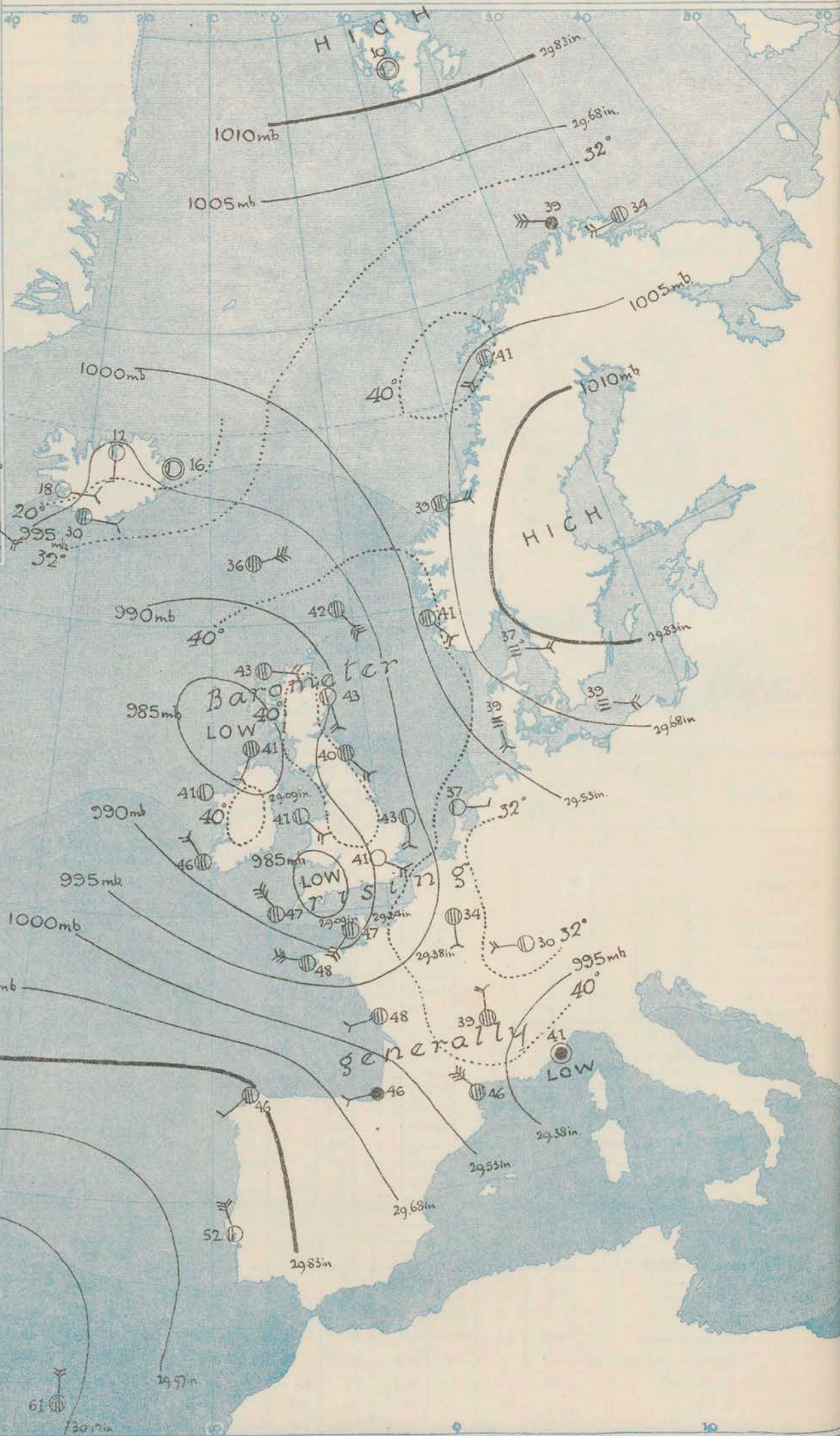
8th JAN, at 1h. G.M.T.

THE MORNING OF Wednesday, 8th JANUARY 1919 at 7h. G.M.T.

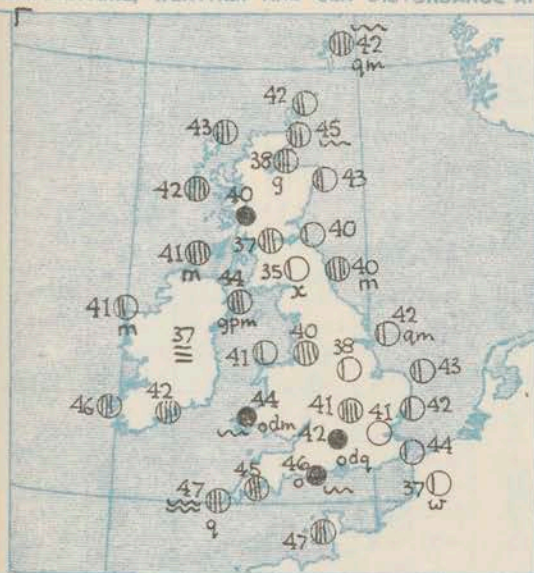


EXPLANATION.

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. Calm
TEMPERATURE.—Given in degrees Fahrenheit.
 Isotherms shown by dotted lines.
WEATHER.—Shown by the following symbols:—
 ☉ clear sky. ☁ sky & clouded. ☁ sky & clouded.
 ☁ sky & clouded. ☁ overcast sky. ☁ rain falling.
 * snow. ▲ hail. ☁ fog. ☁ mist. T, thunder.
 ⚡, thunderstorm.
SEA DISTURBANCE.—Rough High



TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



NOTES.

Notes on the Weather of the 24 hours ended 7h. Today

The weather yesterday was cloudy or overcast over the whole country, improving locally at night. Little bright sunshine was recorded, the maximum being 4.2 hours at Birr Castle, and 2.9 hours at Falmouth. Rain fell generally, but was heaviest at Donaghadee (15 mm); mist or fog occurred at many stations. Temperatures were moderate, no maxima exceeding 50° , but the minimum fell to 26° at Nairn.

The Conditions at 7h. Today

There is an irregular depression over the western part of the British Isles, with two centres, one near Malin Head and the other near Portland Bill. Pressure is high over the Baltic, and also south-east of the Azores. There is a depression near Nice.

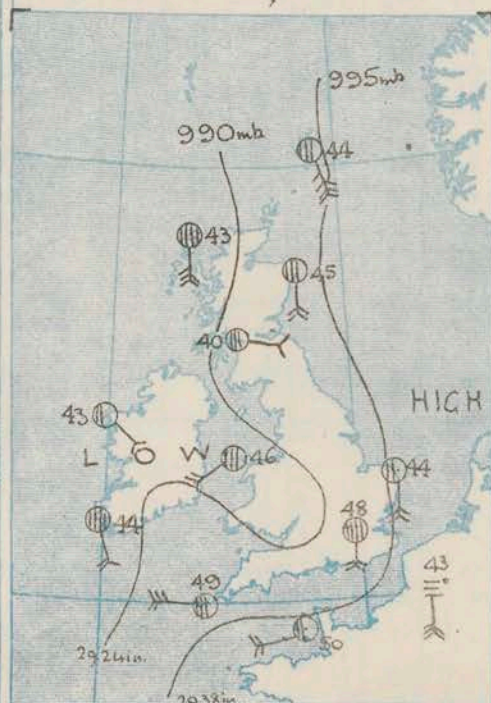
The Outlook

The depression over these Islands is moving eastwards slowly and filling up, so that the winds are likely to become Northerly generally, but the approach of further depressions from the Atlantic is anticipated.

A. J.

Wednesday, 8th

JANUARY, 1919, at 13h. (1p.m.) G.M.T.



The barometer has commenced to fall at Valencia indicating a new depression off our south-western coasts, as anticipated.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919. No.8....

WEDNESDAY,
8TH JANUARY.

STATIONS.		EVENING OF 7 TH					MORNING OF 8 TH										24 HOURS ENDED 7 TH					Sun- shine for 7 TH	
		Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barometer.		TEMP.		WIND.		Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
				Dir.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. °F.	Change in 24 hours.	Dir.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick ...	991.4	40	S	4	bc	992.7	-1	42	+6	SSE	6	-	omg	5	2	43	35	bc.	bc.	omg	Hours.	
	Houton B. (Orkney) ...	987.9	38	SE	3	a	989.6	*	42	+5	SE	6	*	bc	3	4	42	35	of	of	of	1	
	Stornoway ...	984.8	40	E	1	o	986.5	+1	43	+7	E	3	-	c	3	1	43	36	c.o.	o	bc.c.	0.0	
	Castlebay (Barra Isd.) ...	981.7	44	NNE	3	bc	984.8	+1	42	+1	ESE	4	-	o	4	4	44	41	c.o.	n.o. bc.	bc.o. o.	0.0	
	Glasgow ...	981.6	40	ENE	3	od	990.3	+5	37	+3	E	2	S	c	*	1	41	34	orsh.o	omg	a.b.c. bc.	0.0	
	Eskdalemuir ...	982.6	39	SE	5	o	991.4	+4	36	-2	SE	3	-	bc	*	2	39	33	og.	omg	a.b.c. bc.	0.0	
	Malin Head ...	977.1	41	SE	5	omg	984.6	+4	41	0	SSW	2	-	om	3	5	45	40	omg	omg	om	0.0	
	Blacksod Point ...	977.3	43	NNE	3	omg	986.6	+2	41	0	-	0	-	bc	4	4	44	39	omg	omg	omg	*	
	Valencia (Cahirciveen) ...	975.0	45	N	4	c	989.5	+3	46	0	NW	3	N	c	*	6	47	42	or.	o.c.	b.b.c.	0.7	
	Roche's Point ...	972.5	41	NNE	1	b	988.3	+3	42	-1	WNW	1	-	o	3	3	48	40	b.b.c.	b.b.c.	b.o.	*	
	Birr Castle ...	975.6	36	E	1	bc	986.7	*	37	-7	-	0	-	f	*	2	44	32	cl. bc.	cl. bc.	fe.	4.2	
	Donaghadee ...	977.2	41	SE	5	omg	985.1	+3	44	+2	S	4	S	omg	4	15	45	40	omg	omg	omg	*	
	Liverpool (Bidston) ...	976.8	41	SE	3	bc	989.0	+2	40	-1	SE	4	S	o	3	1	42	36	ofm.	c.o.	a	0.2	
	Holyhead ...	976.2	43	SSE	5	clg	987.8	+3	41	-4	SSE	3	-	bc	2	2	45	39	o.c.o.	or.a.c.	c.b. bc.	0.0	
	Pembroke (St. Ann's) ...	974.4	46	S	4	og	985.5	+5	44	-1	NE	2	-	odm	6	2	47	44	c	c.g.	c.g.	1.3	
	Hartland Quay ...																					*	
	Scilly (St. Mary's) ...	972.2	46	SSW	4	omg	989.8	+5	47	+1	NW	6	NW	c.g.	8	8	47	42	c.g.	ofm.	g.c.g.	1.6	
	Falmouth ...	974.9	46	S	7	ofg	987.3	+10	45	+4	W	5	-	c	*	7	48	39	or. bc.	bc.g.	h.o. bc.	2.9	
	Jersey (St. Aubin) ...	982.5	46	S	4	b	989.3	+2	47	+2	SW	5	SW	c	4	1	49	44	bm.c.	c.b.	b.b.c.	1.0	
	Portland Bill ...	980.3	47	SSW	5	bc	983.5	+2	46	-1	SSE	6	-	or	5	8	47	44	or	bc.c.	c.g.	*	
	Dungeness ...	983.3	46	SSW	7	c.g.	992.7	+2	44	+1	SSW	4	SW	b	4	1	47	42	c.g.	c.g.	c.g.	*	
Wick ...	987.4	44	SE	3	bc	989.6	+2	45	+5	SE	5	-	c	5	1	45	40	bc. omg.	or. bc.	omg.	*		
Nairn ...	984.7	38	E	2	cm	988.6	*	38	+12	-	0	-	c.g.	1	0.2	40	26	bc. om.	om.	cd.o.	0.0		
Aberdeen ...	985.8	44	SSE	5	a	991.1	+3	43	+10	S	3	-	bc	3	2	44	32	ofh. bc.	bc.c.	odf. bc.	0.0		
Leith ...	981.3	42	E	2	a	989.6	+2	40	+1	SSW	2	-	b	3	1	44	37	c.o. c.	or. a.	a.c. bc.	*		
Tynemouth ...	981.3	43	SE	5	og	991.2	+1	40	-3	SSE	3	-	om	4	-	44	39	og	og	om	*		
Spurn Head ...	982.3	42	SE	4	bcg	992.3	+2	42	0	SSE	3	-	bcg	4	0.2	43	39	og	of. bcg.	bcg.	0.0		
Yarmouth (Gorleston) ...	986.8	43	S	5	o	994.9	+1	43	0	S	3	-	bc	3	-	44	41	bc. og.	ogm.	bcg. bc.	0.0		
Clacton-on-Sea ...	984.6	44	SSE	6	bc	993.9	+2	42	-1	SSE	3	S	bc	3	0.4	44	41	c.og.	o.c. bc.	bc. chd.	0.0		
Nottingham ...	981.3	43	SE	3	o	991.7	*	38	-2	SE	2	SE	b	*	0.4	44	36	o	of. c.	ch. b.	0.2		
Benson (Oxon.) ...	980.8	42	SSW	3	b	988.9	+1	41	+2	SE	5	-	o	*	2	46	39	n.o.c.	bc.	bc. o.	*		
Sth Farnborough ...			SSE	4	-	990.1	0	42	+2	SE	5	-	o	*	3	46	39	or. a.	b. bc.	bc. b.o. a.	0.6		
Salisbury Plain ...	981.3	41	SE	2	bc	987.1	+1	38	-1	SE	6	-	odg	*	6	45	38	or. a.c.	ch. bc.	b.o. org.	*		
London (Kew Obs.) ...	982.4	44	SSW	2	b	991.5	+1	41	0	ESE	3	-	b	*	1	47	40	or. bc.	bc. od. b.	b. bc. b.	0.2		
NORTHERN EUROPE.	Spitsbergen ...	1009.7	16	E	5	b	1013.6	+3	10	0	-	0	*	b	*	16	7	THE BEAUFORT SCALE OF WIND FORCE.					
	Vardö ...	1010.7	34	S	5	a	1000.3	+3	34	+4	W	4	-	c	2	*	34	23					
	Gjesvær ...	991.5	34	S	3	b	1000.2	*	39	+9	NW	6	-	r	4	-	39	28					
	Bodö ...	992.0	41	E	2	c	1006.6	+8	41	-2	SW	4	-	c	2	-	45	37					
	Christiansund ...	997.3	41	SE	2	b	1004.8	+2	39	-4	E	3	-	c	2	-	45	34					
	Skudesnaes ...	996.7	41	ESE	3	b	1001.2	+8	41	0	SE	3	-	b	2	-	41	39					
	Færder (Xtania Fjord) ...	1002.9	39	SE	4	b	1010.1	+5	34	-7	NE	4	-	c	2	1	41	34					
	The Scaw (Skagen) ...	994.8	39	S	4	bc	1007.5	+3	37	-2	ESE	3	-	m	3	-	41	37					
	Blaavands Huk ...	996.4	36	SE	2	b	1002.9	+1	39	0	S	3	-	f	*	-	41	32					
	Copenhagen ...	1001.3	39	ESE	3	f	1006.7	+2	37	-2	E	3	-	f	*	-	39	37					
Bornholm ...	1000.6	39	ESE	4	f	1007.1	+2	39	-2	ESE	4	-	f	0	-	43	36						
FRANCE, &c.	The Helder ...	990.1	43	SE	2	c	997.9	+2	37	0	E	1	-	b	2	-	45	34					
	C. Gris Nez ...	986.7	41	SE	4	b	995.9	+4	37	-4	SSE	4	*	b	*	-	45	36					
	La Hève ...						993.6	+2	39	-2	SE	5	*	bc	*	-	45	39					
	Brest (St. Mathieu) ...	981.3	48	SW	6	bc	993.1	+6	48	+5	WNW	6	*	c	*	12	50	41					
	Rochefort (Ile d'Aix) ...	989.2	45	W	3	bc	996.8	+4	48	0	WSW	2	*	c	*	6	48	43					
	Biarritz ...	982.8	46	WNW	7	r	1001.0	+2	46	+1	W	8	*	r	*	9	50	45					
	Paris ...	990.0	41	SSE	2	c	997.7	+3	34	-11	S	2	*	o	*	1	46	34					
	Belfort ...						998.0	*	30	0	W	3	*	bc	*	-	39	28					
	Lyons ...	990.7	43	-	0	o	999.1	+4	39	-6	N	3	*	o	*	Trace	52	37					
	Nice ...	991.9	48	E	6	o	994.1	+5	41	+2	-	0	*	r	*	-	50	39					
IBERIA, &c.	Perpignan ...	988.6	43	NW	5	b	996.8	+5	46	0	NW	6	*	o	*	-	46	43					
	Sanguinaire ...	992.7	55	SE	3	m							*		*								
	Corunna ...	998.1	46	WNW	4	c	1010.6	+5	46	+1	SW	1	-	c	6	8	48	45					
	Madrid ...																						
	Lisbon ...	997.9	54	WSW	5	r	1002.6	+1	52		NNW	5	-	bc	9	9	57	50					
	Azores (Horta) ...	1021.7	*	SW	5	c	1017.0	+3	61	0	SW	8	*	o	6	2	64	59					
	" (P. Delgada) ...												*										
	Madeira ...	1019.5	66	NW	5	bc	1022.1	0	61	+2	N	4	N	o	4	-	70	59					
	Gibraltar ...												*										
	MEDITERRANEAN.	Algiers ...	998.4	54	WSW	4	o	1003.9	+2	52		WSW	8	-	o	7	7	57	50				
Malta ...																							
Salonica ...																							
Athens ...																							
Candia ...																							
Limassol ...							1017.2	0	59	+7</													

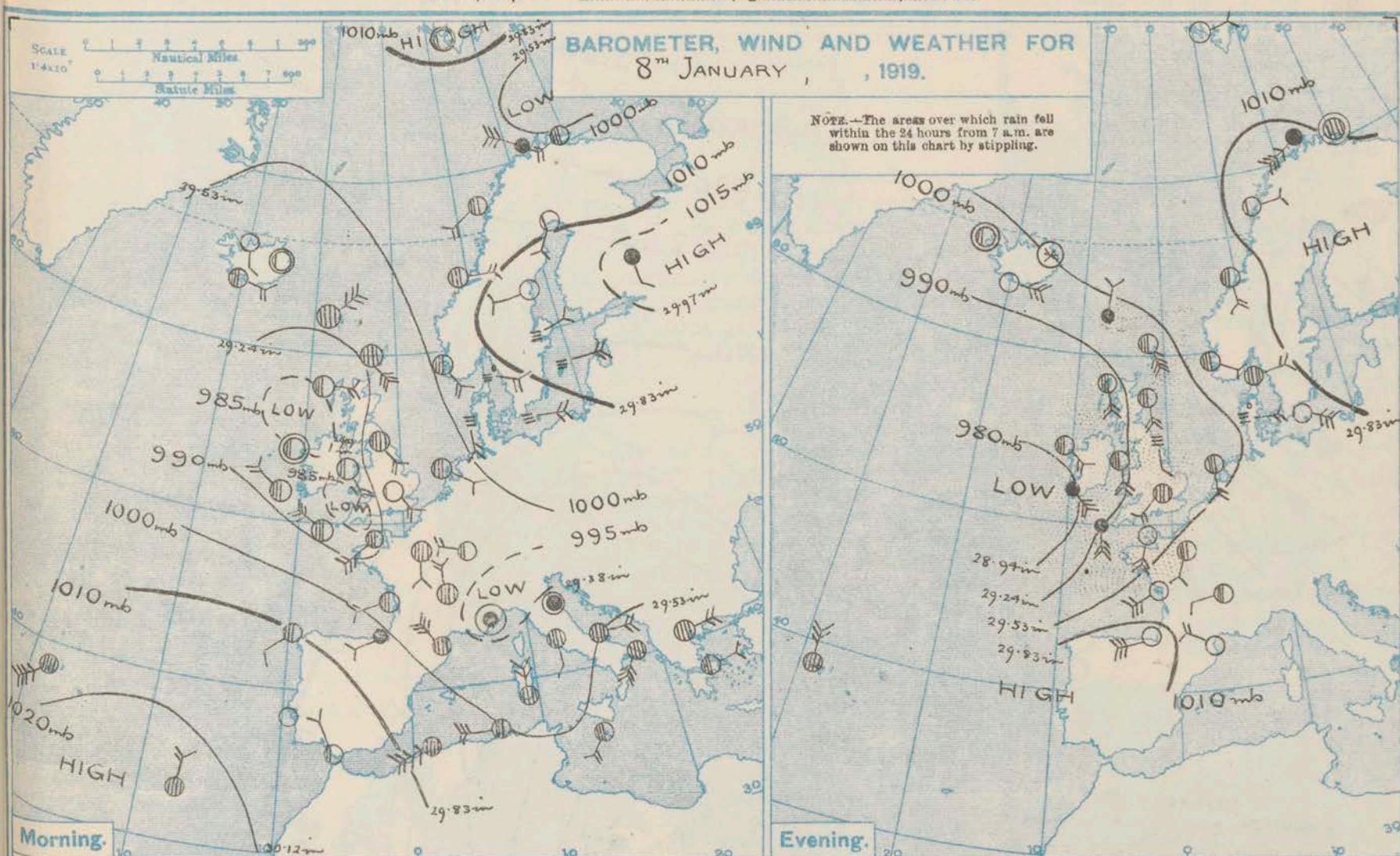
THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity.	
	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.3
1	1-8	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	24.5-28.1
11	64-75	28.2-33.6
12	Above 75	33.7 or above

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,867.

THURSDAY, 9TH JANUARY, 1919.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 8TH JANUARY.

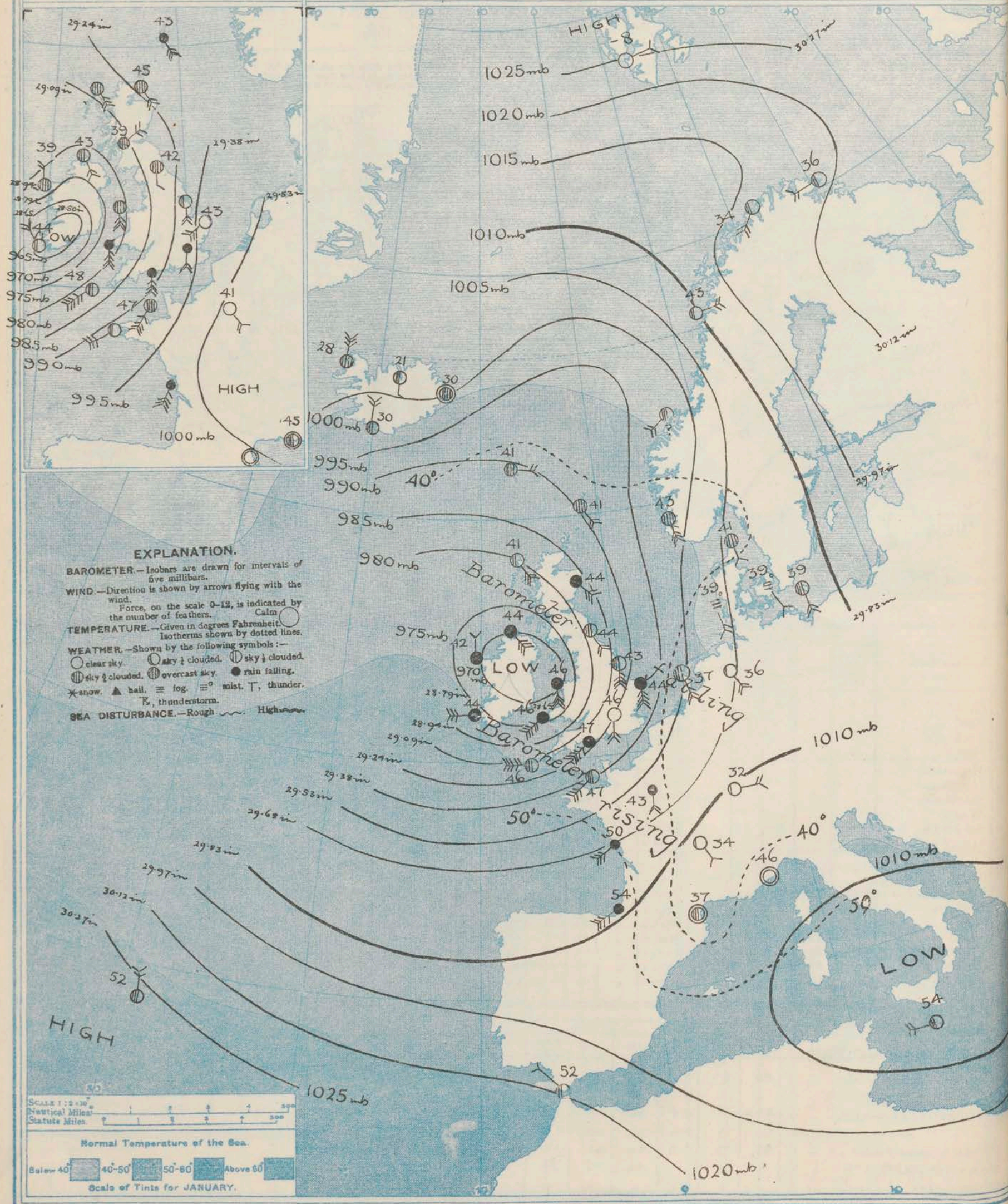
STATIONS.		EVENING OF 7 TH					MORNING OF 8 TH										MORNING OF 8 TH								
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.					
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.	Weather.		
		* F.	*	*	*			* F.	* F.					* F.	* F.			* F.	* F.						
RUSSIA.	Orlov ...	*	*	*	*	*	1006.0		25	+9	SSW	4	0	*	*			Isafjord ...	997.7	27	+2	-	0	c	
	Kem ...	*	*	*	*	*	1012.8		34		SSW	1	0	*	*			Reykjavik	995.9	18	-3	E	2	b	
	Archangel	*	*	*	*	*	1012.8	+4	32	+14	SW	3	0	4	*	*			Vestmanna	994.1	30	+3	E	2	c
	Mesen...	*	*	*	*	*									*	*			Seydisfjord	997.2	16	-9	-	0	b
SWEDEN.	Haparanda						1008.6	*	34	0	SW	2	b	*	*	*		Thorshavn	994.3	36	+6	ENE	6	0	
	Hernösand						1013.5	*	25	-11	W	2	b	*	*	*		TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM							
	Stockholm						1013.7	*	34	-2	ESE	2	f	*	*	*									
	Wisby ...						1011.5	*	39	0	E	4	f	*	*	*		9 TH AND 10 TH JANUARY, 1919.	Sunrise.	Noon.	Sunset.				
	Sordovalva						1016.4	*	34	0	S	1	f	*	*	*		G.M.T.	G.M.T.	G.M.T.					
ITALY.	Hangö ...						1013.0	*	26	0	-	0	0	*	*	*		Yarmouth ...	8.3	12.0	3.57				
	Venice ...	1	39	-	0	r	996.7	*	41	+7	-	0	r	35	41	34		Greenwich ...	8.3	12.1	3.59				
	Turin ...	?	54	ESE	1	a	997.7	*	54	0	-	0	r	1	63	52		Wick ...	8.5	12.7	4.9				
	Pesaro ...	1000.1	54	S	1	0	995.3	*	50	-5	-	0	0	47	54	48		Valencia ...	8.5	12.8	4.11				
	Leghorn	994.3	52	S	1	0	996.6	*	52	-3	SE	1	0	39	61	50									
	Rome ...	998.1	55	SE	3	0	1000.6	*	54	-1	ESE	4	0	4	55	43									
	Viesti ...	1002.7	52	SE	6	bc	1003.1	*	59	+11	SW	6	0	-	57	48									
	Brindisi ...	995.1	59	SE	4	0	995.3	*	52	+2	NNE	4	0	61	61	42									
Cagliari ...	991.1	52	SE	5	0	1000.1	*	50	-9	ESE	1	b	3	66	46										
Palermo	997.9	61	SSE	5	0																				
Tripoli ...																									

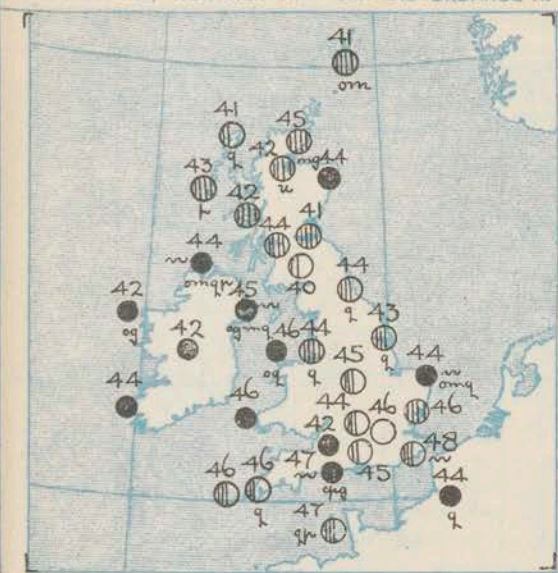
LONDON				Humidity.		Sun- shine for 8 TH	24 Hours ended 9 h. 9 TH			SOUTH KENSINGTON (M.O.)						
9 TH JANUARY ... 9h. G.M.T.				15 h.	9 h.		TEMPERATURE.			Rain- fall.	WEATHER.		Vertical Component of Solar Radiation per square Centimetre during 8 TH			
				8 TH	9 TH	8 TH	Max.	Min.	Min. on Grass		Morning.	Afternoon.	Night.	Total.	Average Rate.	Max. Rate.
				%	%	Hours.	° F.	° F.	° F.	mm.						
GREENWICH (Royal Observatory)				82	87	0.2	48	41	35	3	0	0	b.c. or c.			
CITY (Bunhill Row)				*	*	0.3	*	*	*	*	*	*	*			
WESTMINSTER (St. James's Park)				86	78	0.6	50	42	36	1	*	*	*			
" (Roof near Charing Cross)				82	77	0.5	49	43	*	1	0.05	0.05	b.c. or f.g.			
CAMDEN SQ. (British Rainfall)				85	73	0.0	49	42	35	2	0	0	*			
KENSINGTON PALACE				*	71	*	49	42	36	2	c	c. bc	*			
RICHMOND PARK				*	*	0.5	*	*	*	*	*	*	*			

NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.

9th JAN, at 1h. G.M.T.

THE MORNING OF THURSDAY, 9th JANUARY 1919 at 7h. G.M.T.





NOTES.

Roches Point SE. 18h - Midnight (8 th) Exf. SE 9 at 21h (8 th)	Portland Bill. SS. 22h (8 th) - 7h (9 th) Salisbury Plain SSE 8 at 1h (9 th)
Silly W 23h (8 th) - 7h (9 th) Exf. W 10 at 4h (9 th)	Yarmouth SSW 8 at 3h and S 8 at 7h (9 th)
Sf. Ann's Head. SSW 9 since 2h (9 th)	
Falmouth SW 8 21h (8 th) - 7h (9 th)	
Guernsey SSW 8 at 1h (9 th)	

Notes on the Weather of the 24 hours ended 7h. Today

Yesterday was cloudy and showery over the whole country, but the falls recorded were generally slight, 18 mm. was recorded at Valencia, mainly in the night. Hail fell at Salisbury this morning. The totals of bright sunshine were small, the maximum (4.0 hours) occurring at Eskdalemuir. The day and night temperatures continued above the normal; at Eskdalemuir the minimum was 30°.

The Conditions at 7h. Today

There is a deep depression centred north of Birr Castle, with a steep gradient causing strong winds or gales from between S. and W. over the south of the British Isles and the west of France. Northward the gradient is less marked. There is a large depression off the Norwegian coast, near Christiansund, and another over the Central Mediterranean. Pressure is high over Central Europe and the Baltic.

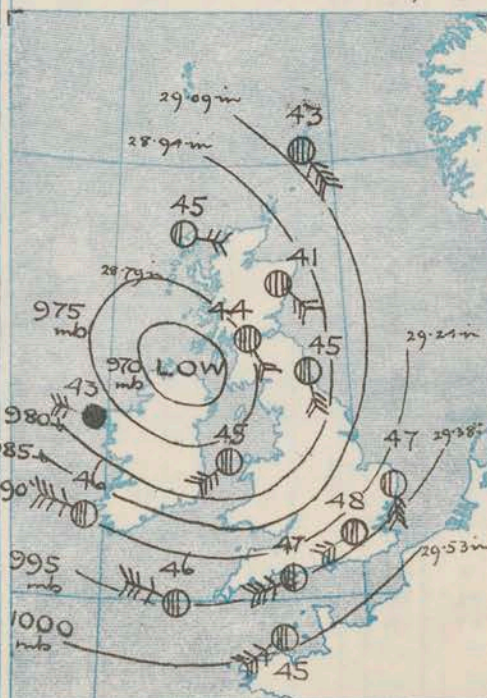
The Outlook

The barometer is falling over the northern and eastern parts of the British Isles and in Holland, so that the depression is moving north-eastward, and south-easterly gales are probable over the eastern coast of Great Britain and the North Sea. A brisk rise has set in at Valencia, and strong winds or gales from between W. and N. are likely to occur in the rear of the depression.

H.H.

THURSDAY, 9th

JANUARY, 1919, at 13h. (1p.m.) G.M.T.



The depression has moved slowly north-north-eastwards and is now centred north of Donaghadee.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919. No. 9. THURSDAY, 9TH JANUARY.

STATIONS.		EVENING OF 8 TH					MORNING OF 9 TH										24 HOURS ENDED 7 TH 9 TH							Sun- shine for 8 TH Hours.
		Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.					
				Direc.	Force 0-12.				Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.			
BRITISH ISLANDS.	Lerwick ...	996.5	44	SSE	7	cmq	990.9	-1	41	-1	SSE	4	-	om	4	6	44	37	cm	cmq	omd	*		
	Houton B. (Orkney)	993.1	41	SSE	8	of	985.7	-5	41	-1	ESE	5	*	b	3	4	42	41	b. bz.	caf.	cs. of.	*		
	Stornoway	988.5	45	S	4	c	981.1	-4	41	-2	SE	5	-	bcq	4	4	45	41	or.	of.	bcq.	0.0		
	Castlebary (Barraisd.)	987.1	44	SE	4	c	977.8	-7	43	+1	E	4	-	of	5	1	45	42	of.	of.	c. of.	0.0		
	Glasgow	992.2	37	ENE	2	og	978.9	-6	40	+3	ENE	4	-	o	0.4	41	36	c. cm	cm. og.	og. of.	0.1			
	Esksdalemuir	992.3	35	ENE	1	o	978.4	-8	40	+5	SE	5	-	bc	2	41	30	bx. b.	b. bc. c.	a. c. bc.	4.0			
	Main Head	986.0	38	SSW	3	bcm	969.9	-8	44	+3	SE	6	-	omq	5	1	44	38	cm.	bcm.	omq.	1.1		
	Blacksod Point	983.3	40	SE	3	cgm	970.5	-1	42	+1	N	2	-	og	4	3	44	36	bcm.	c. om.	og. omq.	1.1		
	Valencia (Cahirciveen)	976.0	43	ESE	6	r	977.6	+11	44	-2	W	6	-	r	18	47	42	bc. of.	of. og.	r. or.	0.4			
	Roche's Point	983.3	45	SE	7	r	974.9	+5	43	+1	W	6	-	r	11	47	41	om. c.	c. or.	r.	*			
	Birr Castle	986.5	38	SE	1	m	966.8	*	42	+5	W	2	-	r	3	43	36	z. o.	oz.	or.	0.0			
	Donaghadee	987.1	44	SSE	4	cgmq	970.5	-9	45	+1	SE	7	-	ogmq	5	6	47	43	cgmq	om. cmf.	cgmq	0.0		
	Liverpool (Bidston)	990.8	41	SE	3	o	975.5	-7	44	+4	SE	6	SE	bg	4	2	45	38	c. om.	r. og.	n. og.	*		
	Holyhead	989.1	43	S	4	cg	969.3	-4	46	+5	S	7	-	og	5	7	46	40	bc. of.	cf. c. s.	c. of. or.	0.3		
	Pembroke (St. Ann's)	990.5	47	SW	2	c	975.2	+3	46	+2	SSW	9	-	og	7	9	51	45	oe. c.	o. c.	og.	0.9		
	Hartland Quay																							
	Scilly (St. Mary's)	991.1	46	S	5	og	986.2	+3	46	-1	W	9	W	cg	8	4	50	43	c	cg. og.	cg.	2.0		
	Falmouth	991.9	46	S	4	og	987.6	+4	46	+1	SW	9	-	bcq	*	7	50	42	cg	bcq. cg.	og. of.	1.8		
	Jersey (St. Aubin)	998.7	49	SSW	4	b	995.5	+1	47	0	SW	7	SW	cg	4	6	51	46	c. bcq. b.	q. b.	or. cg.	2.8		
	Portland Bill	994.9	49	SW	4	b	989.0	+3	47	+1	SW	8	-	cg	6	4	51	45	c	c. bc.	cf.	*		
	Dungeness	996.3	48	SSW	5	cg	992.8	0	48	+4	SSW	7	SW	cg	6	4	49	43	c	cg. c.	cg. c.	*		
Wick	993.3	44	SSE	6	bc	985.2	-3	45	0	SE	5	-	omq	6	0.2	45	42	cmq.	c. bcmq.	bc. omq.	*			
Nairn	992.4	37	-	0	bc	981.9	*	42	+4	SE	1	-	ou	1	-	43	34	cg.	c. bc.	bc. cg.	0.9			
Aberdeen	994.3	43	SSE	3	b	984.5	-5	44	+1	SE	5	-	r	4	0.2	45	42	bm. bcq.	cg. bc. b.	b. or.	0.2			
Leith	991.8	38	SE	2	bc	979.6	-3	41	+1	SE	2	-	o	2	0.3	42	36	b. bz. c.	c. bz. bc.	bc. of.	*			
Tynemouth	992.3	42	SSE	1	f	982.1	-4	44	+4	SE	4	-	cg. m.	4	2	44	39	om	f	omq.	*			
Spurn Head	992.6	43	SE	4	cg	986.2	-2	43	+1	S	7	-	cg	6	2	43	40	bc	bcq.	bc. og.	1.7			
Yarmouth (Gorleston)	995.9	44	SSW	6	bc	993.4	-4	44	+1	S	8	-	omq	6	4	45	41	bc. c. bc.	bcq.	cg. og.	0.0			
Clacton-on-Sea	996.2	45	SSE	5	c	992.7	-2	46	+4	SSE	6	S	og	5	3	46	41	bc. c. og.	og. of. c.	c. b. og.	1.4			
Nottingham	991.0	44	S	2	o	984.9	*	45	+7	S	4	S.	c	*	2	46	37	bc. c. o.	of.	oe.	1.1			
Benson (Oxon.)	994.1	44	SW	2	bc	988.1	+2	44	+3	SSW	5	-	c	*	3	46	40	r. o.	c.	bc. of.	*			
Sth Farnborough	-	-	SSW	4	o	990.5	+1	45	+3	SSW	7	-	bc	*	5	48	42	or.	om. o.	ab. om. b.	0.8			
Salisbury Plain	995.6	42	SW	2	b	989.4	+1	42	+4	SW	7	W	bcq	*	7	47	38	of.	of. c.	bc. of.	*			
London (Kew Obsy.)	995.3	45	SSW	3	o	990.5	+1	46	+5	SSW	4	-	b	*	2	49	41	b. bc. om.	a. od. o.	a. bc. b.	0.5			
NORTHERN EUROPE.	Spitsbergen	1019.8	5	E	2	b	1025.9	+1	-8	-18	E	2	*	b	*	14	-9							
	Vardö	1009.2	37	-	0	o	1019.1	+5	36	+2	W	3	-	bc	3	*	37	32						
	Gjesvær	1011.8	39	WSW	8	r	1004.6	*	34	-5	SW	4	-	bc	5	7	39	34						
	Bodö	1012.8	41	E	2	b	1010.1	-4	43	+2	E	4	-	bc	2	?	41	36						
	Christiansund	1007.4	46	S	3	c	996.4	-4	50	+11	SW	4	-	c	3	-	50	39						
	Skudesnaes	1001.2	45	ESE	2	c	998.9	+3	43	+2	SSE	7	-	o	5	-	46	41						
	Færder (Xtaniafjord)	1010.9	34	NE	5	o	1007.3	0	39	+5	SE	4	-	o	3	-	39	34						
	The Scaw (Skagen)	1006.7	39	ENE	3	o	1005.9	+3	41	+4	SSE	2	-	o	2	-	41	36						
	Blaavands Huk	1000.3	39	ESE	3	m	1005.1	+4	39	0	SSW	3	-	m	*	-	41	36						
	Copenhagen	1006.1	41	ESE	4	bc	1008.2	+2	39	+2	SSE	2	-	m	*	-	43	37						
Bornholm	1008.0	41	ESE	6	b	1009.6	+1	39	0	S	4	-	c	1	-	48	37							
FRANCE, &c.	The Helder	998.4	41	S	3	c	1000.0	-2	37	0	SSE	5	-	c	2	*	43	34						
	C. Gris Nez	998.9	45	S	5	r	995.0	-2	45	+8	SSW	6	*	r	5	S	46	37						
	La Hève	1001.2	46	SSE	4	b	997.1	-3	46	+7	SW	5	*	bc	*	Trace	48	39						
	Brest (St. Mathieu)	997.5	48	SW	5	o	997.5	+4	45	-3	W	6	*	bc	*	52	45							
	Rochefort (Ile d'Aix)	1006.9	48	SW	5	b	1005.6	+3	50	+2	WSW	6	*	r	*	52	46							
	Biarritz	1011.1	54	W	6	c	1009.9	+5	54	+8	WSW	7	*	r	*	54	46							
	Paris	1004.8	41	SSW	2	c	1003.3	-2	43	+9	S	4	*	r	*	6	45	34						
Belfort	1007.4	37	W	4	o	1012.0	*	32	+2	E	3	*	b	*	-	37	30							
Lyons	1009.2	39	-	0	c	1011.5	+1	34	-5	SSE	2	*	b	*	-	45	32							
Nice	1003.6	45	E	5	c	1013.2	+6	46	+5	-	0	*	b	*	-	52	39							
Perpignan	1007.7	50	NW	3	b	1011.9	0	37	-9	-	0	*	c	*	-	52	36							
Sanguinaire						1011.7	+1	48		E	2	*	b	*	-	?	?							
IBERIA, &c.	Corunna																							
	Madrid																							
	Lisbon																							
	Azores (Horta)	1017.7	*	NNW	5	o	1028.3	+2	52	-9	NNW	4	*	c	3	3	63	52						
	" (P. Delgada)		*																					
	Madeira																							
Gibraltar	1020.3	52	W	2	b	1020.0	*	52		NW	2	*	bc	2	-	58	44							
MEDITERRANEAN.	Algiers																							
	Malta						1006.0	0	54	-3	W	4	-	bc	3	15	61	50						
	Salonica						1008.8	*	53	-3	E	6	SE	o	*	2	58	53						
	Athens	1011.5	57	E	4	o																		
	Candia						1016.6	0	61		ENE													

THE BEAUFORT SCALE OF WIND FORCE.

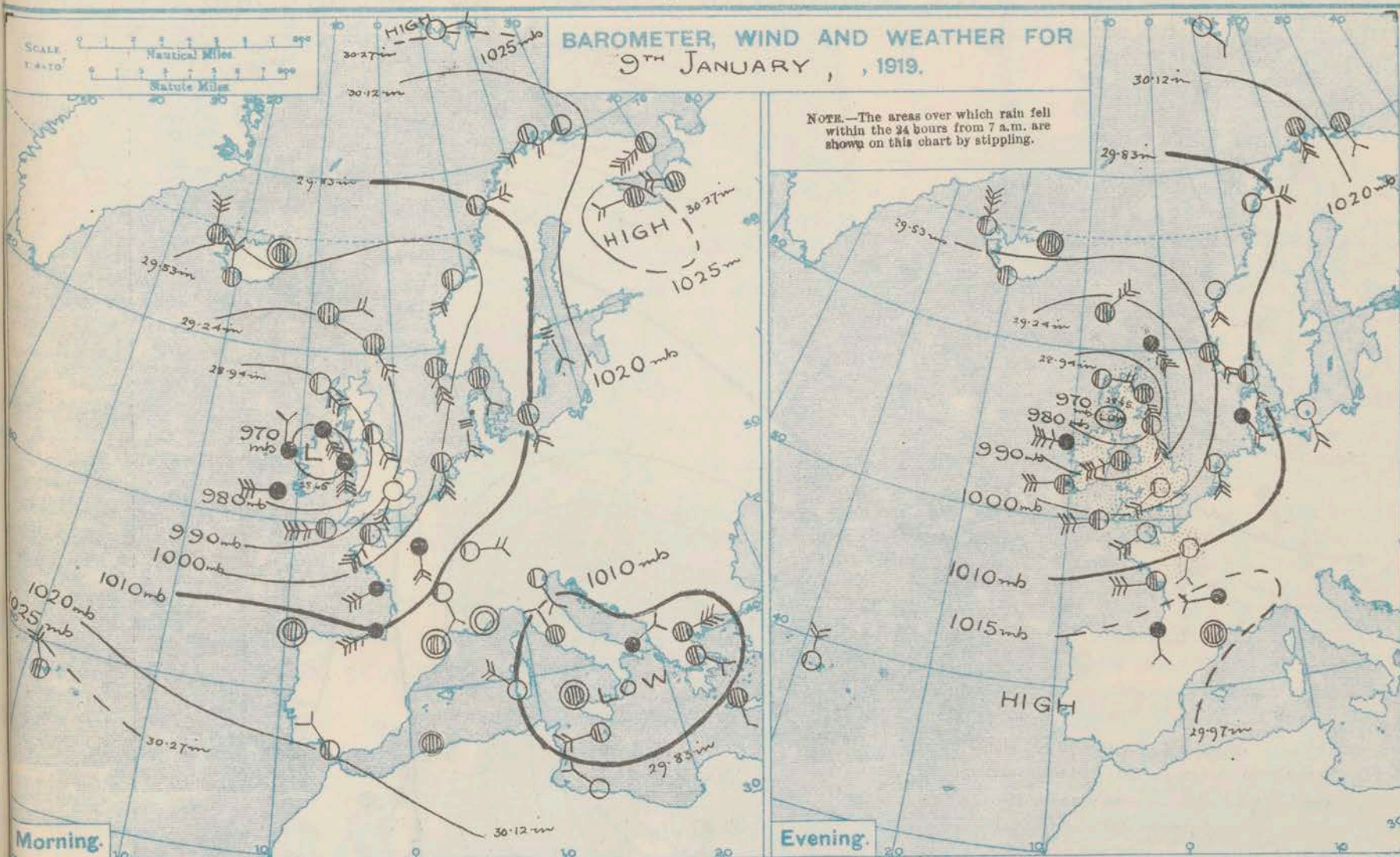
No.	Limits of Velocity.	
	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.3
1	1-3	0.3-1.5
2	4-7	1.6-3.3
3	8-12	3.4-5.4
4	13-18	5.5-7.9
5	19-24	8.0-10.7
6	25-31	10.8-13.8
7	32-38	13.9-17.1
8	39-46	17.2-20.7
9	47-54	20.8-24.4
10	55-63	24.5-28.4
11	64-75	28.5-33.5
12	Above 75	33.6 or above

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20,868.

FRIDAY, 10TH JANUARY, 1919.

BAROMETER, WIND AND WEATHER FOR 9TH JANUARY, 1919.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 9TH JANUARY.

STATIONS.	EVENING OF 8 TH						MORNING OF 9 TH										MORNING OF 9 TH						
	BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.		
			Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. ° F.	Change in 24 hours. ° F.	Dirac.	Force 0-12.		Max.	Min			Dry Bulb. ° F.	Change in 24 hours. ° F.	Dirac.	Force 0-12.			
RUSSIA.	Orlov ...	*	* F.	*	*	*	1023.4		34	+6	SW	9	c		* F.	* F.	Isafjord ...	1003.6	28	+1	N	6	o
SWEDEN.	Kem ...	*	*	*	*	*	1025.5		32	-2	W	2	o		*	*	Reykjavik	997.4	21	+3	-	o	b
	Archangel ...	*	*	*	*	*	1023.5	+4	32	o	WNW	4	o		*	*	Vestmanna	996.2	30	4	N	3	c
	Mesen...	*	*	*	*	*									*	*	Seydisfjord	1001.7	30	+14	-	o	o
	Haparanda ...						1025.0	*	28	-6	SE	2	o	*	*	*	Thorshavn	989.6	41	+5	E	3	o
	Hernösand ...						1019.5	*	34	+9	S	2	o	*	*	*	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM						
	Stockholm ...						1016.2	*	36	+2	SE	2	f	*	*	*							
	Wisby ...						1014.7	*	37	-2	SE	2	o	*	*	*							
	Sordovalä ...						1023.7	*	32	-2	NW	1	o	*	*	*							
	Hangö ...						1022.0	*	34	-2	ESE	4	o	*	*	*							
	ITALY.	Venice ...	1006.5	50	E	2	r	1011.3	*	50		SSE	1	bc	29	55	50	10 TH JANUARY 1919.	Sunrise.	Noon.	Sunset.	G.M.T.	G.M.T.
Turin ...		1007.3	43	W	6	o	1014.6	*	41	o	-	o	bc	5	43	37							
Pesaro ...		1005.8	50	-	4	b	1011.0	*	48	-6	W	1	r	2	59	43	Yarmouth ...	8.3 8.2	12.1 12.1	3.59 4.0			
Leghorn		1004.1	50	-	o	b	1010.5	*	45	-5	-	o	b	-	54	43							
Rome ...		1004.1	48	E	1	b	1006.7	*	46	-6	N	1	o	2	59	45	Greenwich ...	8.5 8.4	12.8 12.8	4.11 4.12			
Viesti ...		1003.8	48	-	o	c	1015.8	*	50	-4	SE	1	o	4	55	41							
Brindisi ...		1005.9	57	SE	3	r	1004.7	*	54	-5	ESE	2	r	30	59	52	Wick ...	8.58 8.51	12.20 12.20	3.42 3.43			
Cagliari ...		999.3	54	NE	4	r	1010.1	*	46	-6	NW	4	b	18	59	46							
Palermo ...		1002.6	50	SW	1	b	1004.9	*	45	-5	-	o	o	-	59	41	Valencia ...	8.48 8.47	12.49 12.49	4.50 4.51			
Tripoli ...		1013.3	48	WNW	4	o	1013.8	*	46		SW	2	b	Trace	?	45							

LONDON	HUMIDITY.		Sun-shine for 24 HOURS ENDED 9 h. 10 TH	TEMPERATURE.			Rain-fall.	WEATHER.		
	15 h.	9 h.		Max.	Min.	Min. on Grass		Morning.	Afternoon.	Night.
10 TH JANUARY 9h. G.M.T.	9 TH	10 TH	9 TH	° F.	° F.	° F.	mm.			
GREENWICH (Royal Observatory)	72	98	4.2	48	36	30	4	b.c.f.	b.c.f.	b.c.f. or
CITY (Bunhill Row)	*	*	1.7	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	73	95	2.9	50	39	30	1	*	*	*
(Roof near Charing Cross)	79	95	2.4	49	38	*	1	b.c.f. or	b.c.f. or	b.c.f. or
CAMDEN SQ. (British Rainfall)	66	92	1.0	48	37	29	4	o.f.h.	c.o.	*
KENSINGTON PALACE	*	92	*	49	37	29	2	c.f.	b.c.	*
RICHMOND PARK.	*	*	3.1	*	*	*	*	*	*	*

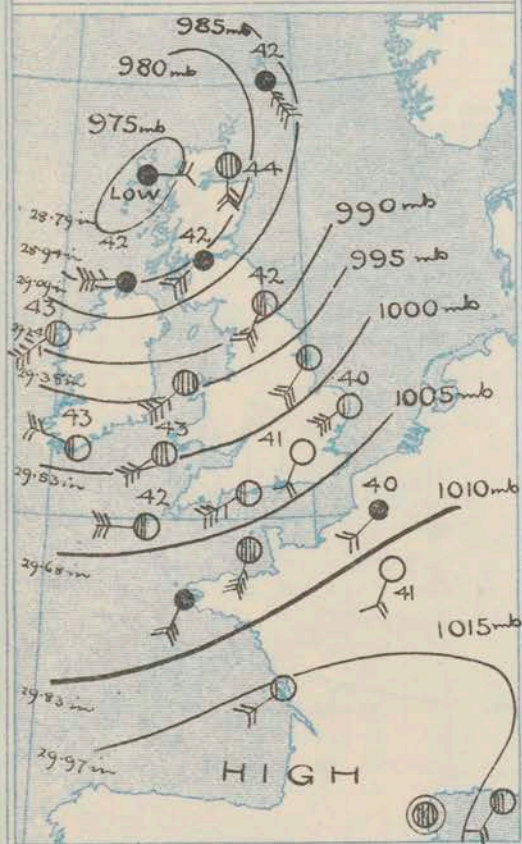
SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 9 TH		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
231	8.0	26

NOTE.—The thermometers at Greenwich and Camden Square are in Gaiher screens.

† The barometric change is expressed in half-millibars.

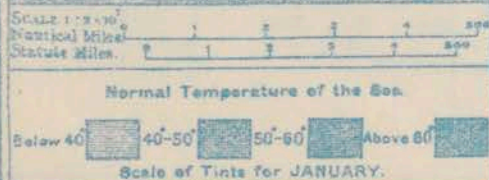
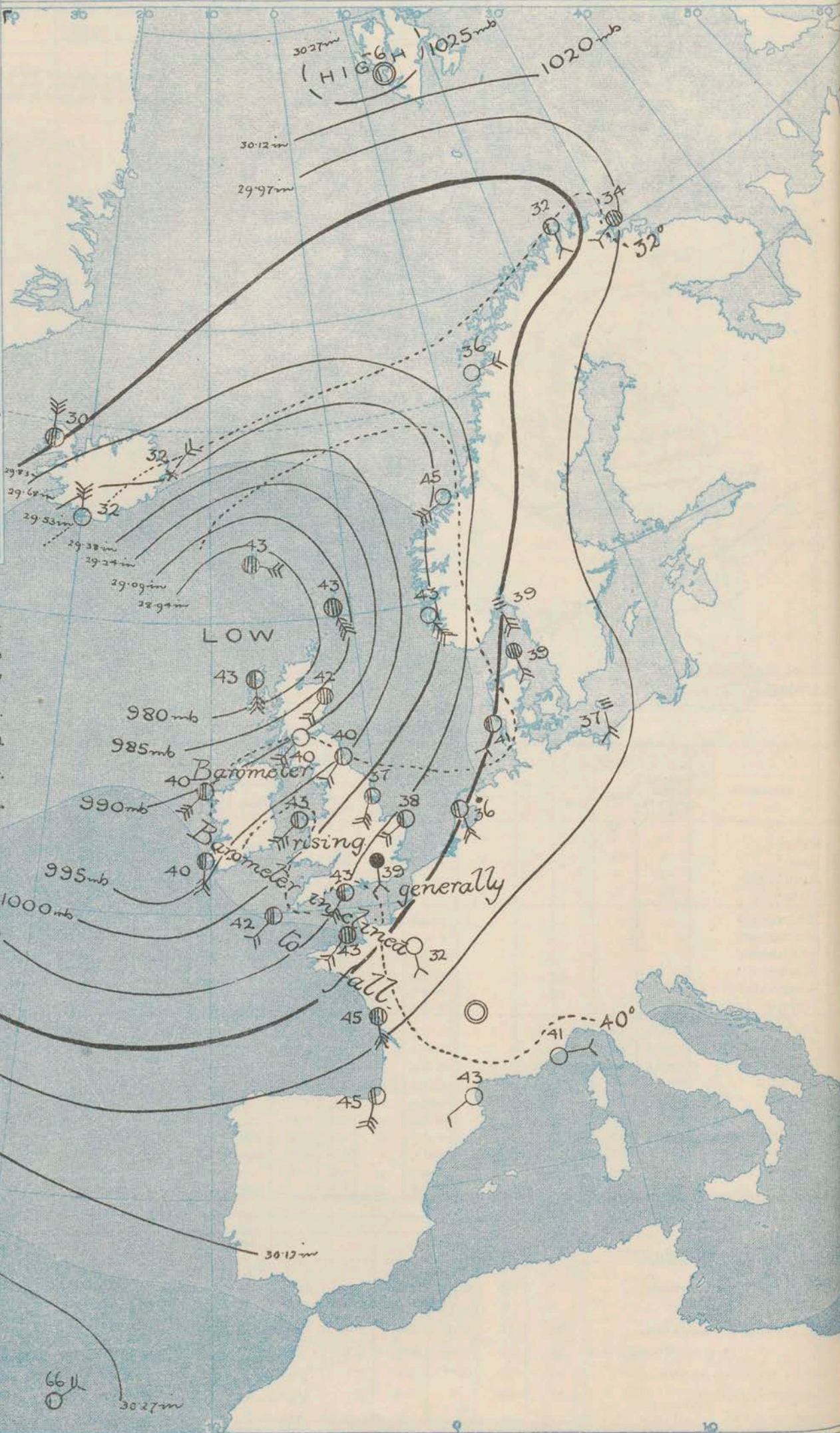
10th JAN, at 1h. G.M.T.

THE MORNING OF FRIDAY, 10th JANUARY 1919 at 7h. G.M.T.



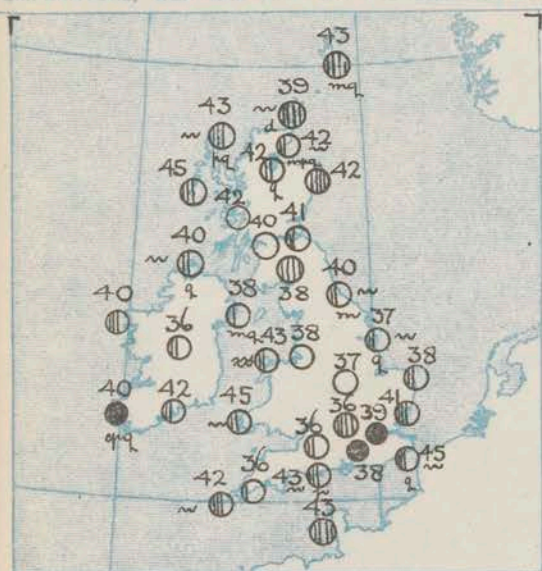
EXPLANATION.

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. Calm,
TEMPERATURE.—Given in degrees Fahrenheit.
 Isotherms shown by dotted lines.
WEATHER.—Shown by the following symbols:—
 ○ clear sky. ○ sky 1/2 clouded. ○ sky 3/4 clouded.
 ○ sky 2/3 clouded. ○ overcast sky. ● rain falling.
 * snow. ▲ hail. ≡ fog. ≡ mist. T, thunder.
 K, thunderstorm.
SEA DISTURBANCE.—Rough High



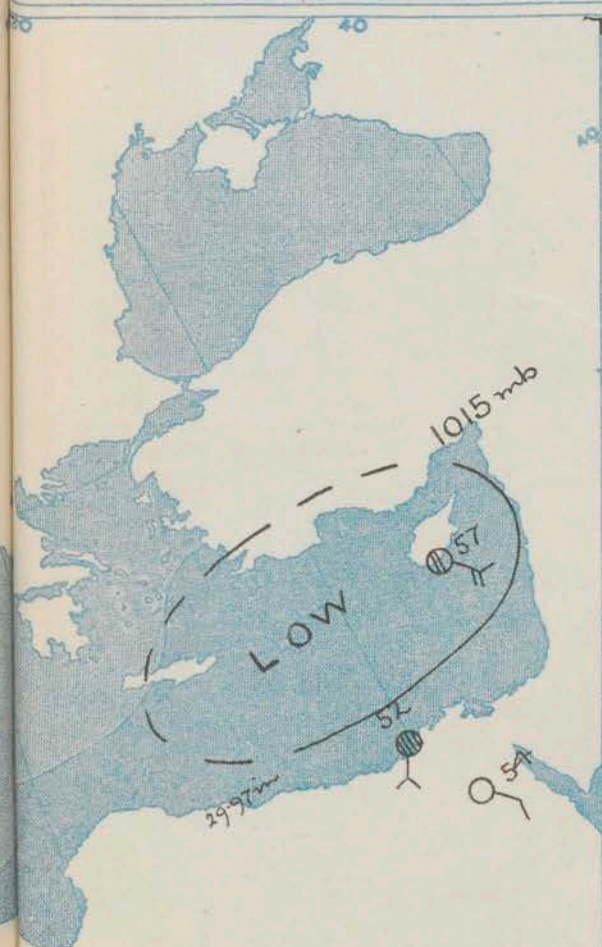
TEMPERATURE

Lerwick
 - 7
 Ext.
 St. Ann
 W
 Ext.
 Scilly
 Ext.
 Falmouth
 WSW



NOTES.

Lerwick. SE 13h (9 th)	Guernsey
- 7h (10 th).	SW 8 at 13h (9 th)
Ext. SE 10 at 4h (10 th).	Portland Bill
St. Ann's Head	WSW 8 at 13+18h (9 th)
W/g 2h -20h (9 th)	Aberdeen
Ext. W 10 at 14h (9 th)	Gusts SE 18 m/s (9 th)
Scilly W 8. 23h (8 th) - 17h (9 th)	Kew
Ext. WNW 10 at 12h (9 th)	Gust 18 m/s at 10h 10 (9 th).
Falmouth	
WSW 8. morning (9 th)	



Notes on the Weather of the 24 hours ended 7h. Today

Weather yesterday was cloudy or overcast over the whole country, the greatest amounts of bright sunshine recorded being 4.2 hours at Greenwich, and over three hours at Richmond and Clacton, while many northern and western stations were sunless. The weather was very squally, and rain or hail fell generally, but there were no large records. Temperatures were again moderate to mild, the highest maximum being 49° (Dungeness), and the lowest minimum 34° (Birr Castle and Benson).

The Conditions at 7h. Today

The depression whose centre crossed Ireland yesterday now lies north-west of the Hebrides; there are indications of another disturbance off our south-western coasts. A trough of low pressure extends north-eastward along the Norwegian coast, but pressure is high over the Greenland-Spitzbergen region, and over Eastern and Central Europe, and over the Azores. There is a shallow depression over the Levant.

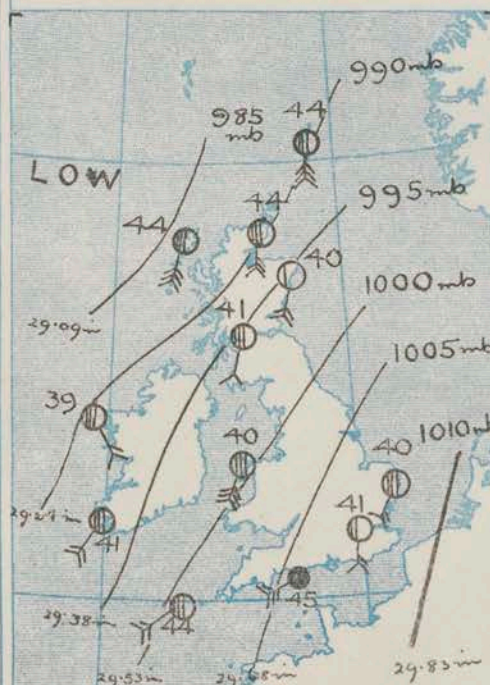
The Outlook

The barometer is rising generally in the north and east of these Islands, falling in the east of Iceland, so that the depression is moving away north-westward, but the wind on our south-west coasts has backed to SW. or S. again, with a fall of the barometer and rain at Valencia. This probably indicates the approach of a fresh disturbance.

H. H.

FRIDAY, 10th

JANUARY, 1919, at 13h. (1 p.m.) G.M.T.



The barometer is continuing to rise over Scotland, and the depression is still moving away. There is a tendency to fall over England and Ireland, but the fall at Valencia this morning did not indicate the immediate approach of a new depression. The winds over the west of Ireland, however, indicate the continued presence of a depression to the westward.

STATIONS.	EVENING OF 9 th					MORNING OF 10 th										24 HOURS ENDED 7 h. 10 th					Sun- shine for 9 th	
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. °F.	Change in 24 hours. °F.	WIND.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.					
			Dir.	Force 0-12.											Max.	Min.	Morning.	Afternoon.	Night.			
BRITISH ISLANDS.	Lerwick ...	985.9	43	SE	9	omq	980.6	+1	43	+2	SE	8	-	omq	7	5	43	40	omq.	omq.	omq.	Hours.
	Houton B. (Orkney) ...	978.3	43	SE	8	o	979.4	*	39	-2	S	5	*	d	5	*	43	39	of r.	od. s.	d	x.
	Stornoway ...	973.4	44	E	3	bc	977.8	+5	43	+2	S	6	-	chq	5	4	45	40	bcq.	bc.	bc. chq.	0.9
	Castlebay (Barraisd.) ...	972.6	35	-	0	r	983.3	+7	45	+2	WSW	6	SW	bc	6	15	45	41	of.	of. r.	r. of. bc.	0.0
	Glasgow ...	972.4	42	S	3	omq	991.9	+9	40	0	SW	4	W	b	6	44	39	of.	omq.	of. bc.	0.0	
	Eskdalemuir ...	974.7	40	S	6	omq	994.5	+6	38	-2	SW	5	-	o	10	42	37	com. m.	omq.	om. o.	0.0	
	Malin Head ...	972.9	43	NW	6	omq	988.2	+6	40	-4	SW	5	SW	bcq	5	6	45	40	omq.	omq.	bcq.	0.0
	Blacksod Point ...	984.3	40	WNW	8	omq	990.3	0	40	-2	SW	6	-	bcq. h.	7	12	43	35	omq.	omq.	bc. h.	0.0
	Valencia (Cahirveen) ...	994.7	42	W	6	c	994.6	-3	40	-4	S	5	-	chq.	7	7	45	38	of. h.	of. h. c.	chq.	0.0
	Roche's Point ...	993.8	41	W	4	o	998.0	0	42	-1	W	2	W	bc	4	2	44	38	r.	o.	act. bc.	*
	Birr Castle ...	986.9	39	W	5	r	995.1	*	36	-6	S	1	-	bc	6	44	34	or	or	on. bc.	0.6	
	Donaghadee ...	972.3	43	SW	5	cgmq	994.1	+6	38	-7	W	4	-	bmq	4	4	46	38	cgmq.	cgmq.	cgmq.	*
	Liverpool (Bidston) ...	984.0	42	SW	6	o	999.8	+3	38	-6	SSW	4	-	b	3	3	46	37	bc. o.	chq.	or. bc.	0.5
	Holyhead ...	982.2	43	WSW	8	of. h.	998.3	+2	43	-3	WSW	5	SW	bc	4	8	47	40	of. ch. o.	of. h. c.	of. o. bc.	0.0
	Pembroke (St. Ann's) ...	992.8	45	W	8	of.	1001.1	+2	45	-1	SW	4	-	cv	6	47	40	of. h. o.	of.	of. h. c.	0.0	
	Hartland Quay ...																					*
	Scilly (St. Mary's) ...	1000.9	43	W	6	chq	1004.0	0	42	-4	SW	3	SW	c	6	3	47	39	chq. m.	chq.	cq	1.2
	Falmouth ...	1001.4	38	WSW	6	omq	1004.2	-1	36	-10	WSW	2	-	bc	4	4	46	35	chq.	chq. of. h.	bc	1.2
	Jersey (St. Aubin) ...	1004.8	43	WSW	5	b	1006.6	-1	43	-4	SSW	4	-	o	4	4	49	40	of. bc.	chq. b.	b. of. of.	1.7
	Portland Bill ...	998.3	46	WSW	8	cq	1004.3	+1	43	-4	SSW	5	-	ch	5	3	48	43	chq. h.	chq.	ch	*
	Dungeness ...	999.6	44	WSW	7	cq	1006.6	0	45	-3	SSW	6	SW	cq	6	6	49	38	c. bcq.	chq.	chq. c.	*
NORTHERN EUROPE.	Wick ...	978.3	46	SE	6	omq	980.4	+6	42	-3	S	4	-	bc. h.	5	0.2	46	40	o. omq.	om. omq.	o. bc. h.	*
	Nairn ...	978.6	42	SE	3	cq	982.3	*	42	0	SW	4	-	bcq	3	1	44	37	o. c. q.	c. bcq.	chq.	1.4
	Aberdeen ...	977.6	45	SSE	6	of.	987.4	+10	42	-2	SSW	4	-	o	4	2	46	42	omq. c. o.	omq.	of. h.	0.1
	Leith ...	978.7	44	SE	3	o	991.0	+4	41	0	SW	4	SW	bc	3	2	46	40	of. h. c.	cq. cu. o.	od. h. c.	*
	Tynemouth ...	978.7	44	SSE	5	cq	995.2	+1	40	-4	SSW	3	-	bc. m.	5	0.3	46	39	cq.	chq.	omq.	*
	Spurn Head ...	998.2	44	S	7	cq	1001.7	+3	37	-6	SSW	5	-	bcq	5	-	46	35	cq.	cq.	bcq.	0.0
	Yarmouth (Gorleston) ...	997.8	43	SW	6	b	1006.7	+2	38	-6	SW	4	-	bc	4	3	48	37	bcq. of.	bcq. h.	bc. bc.	*
	Clacton-on-Sea ...	998.7	43	SSW	7	bc	1007.4	+1	41	-5	SW	4	NW	c	4	2	46	40	omq. bc.	bc. c. q.	?	3.3
	Nottingham ...	989.7	44	SW	6	c	1002.5	*	37	-8	SW	3	-	b	*	0.1	47	36	c. o.	c. of.	c	0.9
	Benson (Oxon.) ...	996.0	40	SW	4	b	1004.7	0	36	-8	S	2	-	o	*	0.4	47	34	h. bc.	bc.	bc. a.	*
FRANCE, &c.	Sth Farnborough ...					b	1005.6	0	38	-7	S	4	-	or	*	3	46	37	bc. h.	b.	b. o. or.	2.6
	Salisbury Plain ...	998.6	41	SW	5	b	1005.3	0	36	-6	S	2	SW	bc	*	1	46	35	q. bc.	a. bc.	bc. h. c.	*
	London (Kew Obs.) ...	998.4	44	SW	4	b	1006.5	+1	39	-7	S	2	-	or	*	5	47	38	c. h. c.	bc. ch. r.	h. bc. or.	2.5
	Spitsbergen ...	1028.0	-9	SE	1	b	1027.0	0	-6	+2	-	0	*	b	*	*	-6	-11				
	Vardö ...	1022.3	28	S	2	o	1015.0	-3	34	-2	WSW	2	-	o	2	*	36	28				
	Gjesvær ...	1015.0	32	S	6	o	1009.0	*	32	-2	S	2	-	b	4	-	37	30				
	Bodö ...	1007.9	39	E	4	b	1006.9	0	36	-7	E	4	-	b	2	-	45	34				
	Christiansund ...	1001.9	45	S	4	b	1001.0	0	45	-5	SW	6	-	b	5	-	50	37				
	Skudesnaes ...	998.1	43	SE	9	o	999.8	+3	43	0	SE	8	-	c	5	-	45	41				
	Færder (Xianla Fjord) ...	1010.4	37	ESE	2	o	1010.1	+2	39	0	SSE	5	-	f	3	-	39	37				
IBERIA, &c.	The Scaw (Skagen) ...	1007.1	39	SSE	3	c	1010.0	+2	39	-2	S	3	-	o	3	-	41	37				
	Blaavands Huk ...	1006.3	39	SSE	3	r	1011.0	+3	41	+2	SSW	2	-	c	*	1	41	36				
	Copenhagen ...	1010.1	39	SSE	2	f	1013.9	+3	36	-3	SW	1	-	f	*	-	39	36				
	Bornholm ...	1011.7	41	S	3	b	1014.3	+2	37	-2	SSW	3	-	f	0	-	43	36				
	The Helder ...	1002.3	41	S	5	b	1009.5	+2	36	-1	S	4	-	bc	4	4	43	34				
	C. Gris Nez ...	1002.9	45	WSW	7	r	1008.4	+2	39	-6	S	5	*	c	4	7	45	36				
	La Hève ...	1005.3	46	WSW	6	o	1010.0	0	41	-5	S	6	*	o	*	Trace	48	41				
	Brest (St. Mathieu) ...	1007.1	43	W	5	bc	1006.3	0	45	0	SW	4	*	o	5	3	50	41				
	Rochefort (Ile d'Aix) ...	1004.6	48	W	6	c	1013.5	-1	45	-5	S	5	*	o	*	-	52	41				
	Biarritz ...	1016.8	48	SSW	2	r	1016.3	0	45	-9	SSW	3	*	bc	*	13	54	43				
MEDITERRANEAN.	Paris ...	1009.9	43	SSW	2	b	1014.9	0	32	-11	S	2	*	b	*	1	50	32				
	Belfort ...	1014.1	41	W	4	o	1017.7	*	37	+5	W	3	*	o	*	3	43	32				
	Lyons ...	1016.7	43	W	2	r	1017.9	+1	34	0	NNW	2	*	o	*	8	48	34				
	Nice ...	1014.3	46	E	2	bc	1015.1	+2	41	-5	E	2	*	b	*	-	55	39				
	Perpignan ...	1015.3	48	-	0	o	1017.1	-1	43	+6	SW	1	*	o	*	Trace	52	43				
	Sanguinaire ...	1012.6	54	NW	3	b							*		*							
	Corunna ...																					
	Madrid ...																					
	Lisbon ...																					
	Azores (Horta) ...	1030.7	*	N	4	b	1032.6	+1	52	0	NNW	4	*	o	2	-	57	50				
MEDITERRANEAN.	„ (P. Delgada) ...		*									*										
	Madeira ...	1023.4	64	N	3	o	1025.7	+1	66		NE	3	-	b	3	-	66	57				
	Gibraltar ...																					
	Algiers ...																					
	Malta ...																					
	Salonica ...						</															

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	1.6-8.3
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.

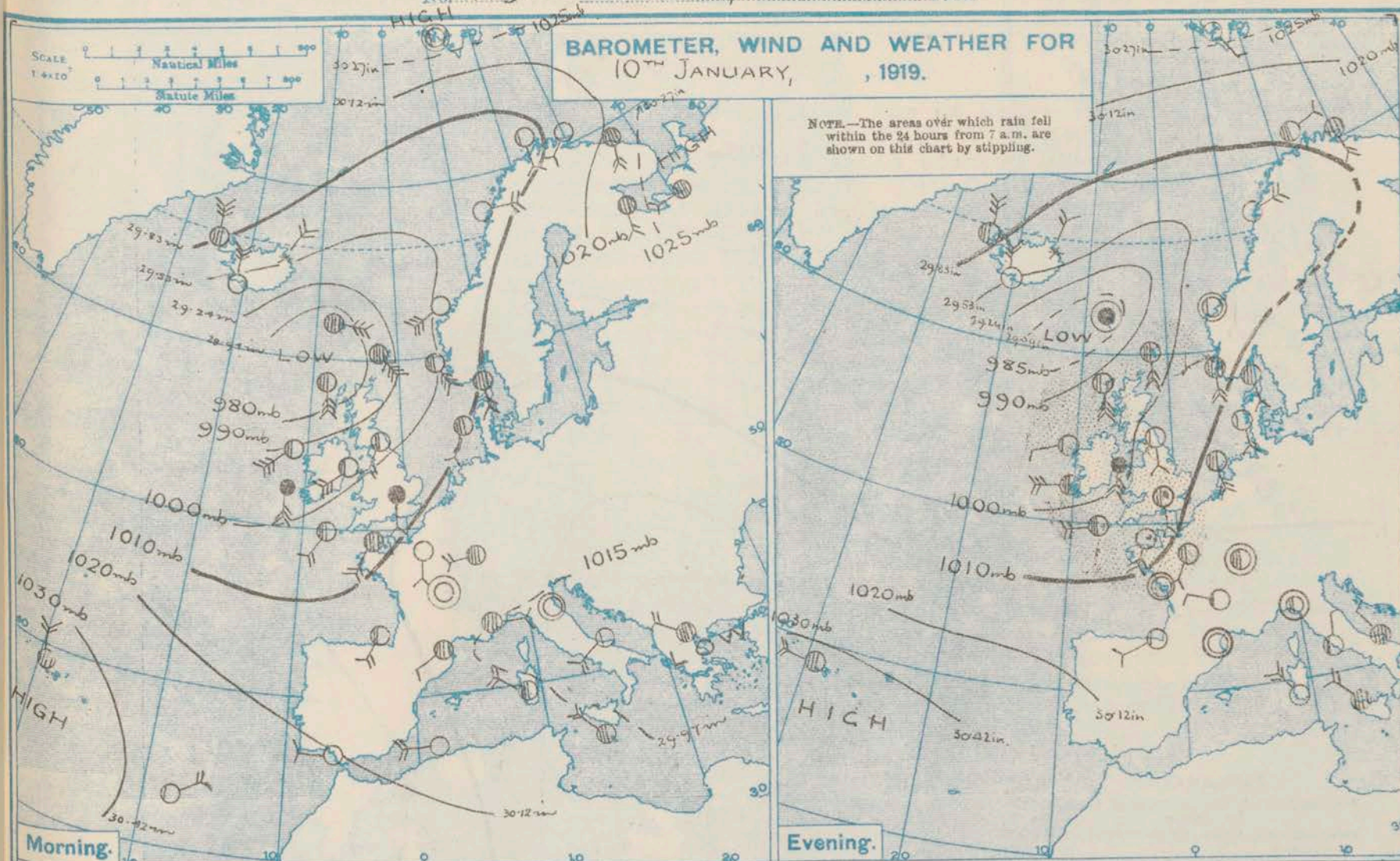
METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20869.

SATURDAY, 11TH JANUARY 1919.

BAROMETER, WIND AND WEATHER FOR 10TH JANUARY, 1919.

NOTE.—The areas over which rain fell within the 24 hours from 7 a.m. are shown on this chart by stippling.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 10TH JANUARY.

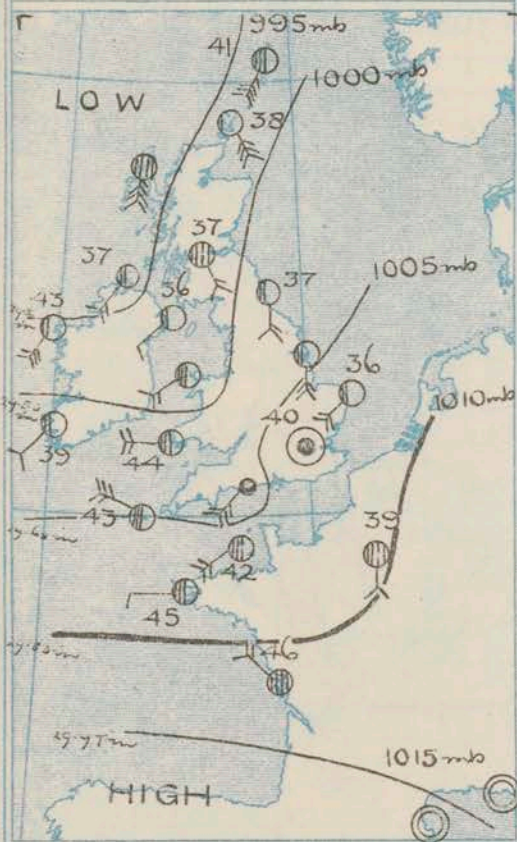
STATIONS.	EVENING OF 9 TH					MORNING OF 10 TH										MORNING OF 10 TH									
	BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.				
			Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Dirac.		Force 0-12.			
																						°F.	°F.	°F.	°F.
RUSSIA.	Orlov ...	*	*	*	*	*	1027.3	*	F.	-16	ESE	4	0	*	*	Isafjord ...	1011.7	30	+2	N	6	c			
	Kem ...	*	*	*	*	*	1023.8	*	18	-14	SSW	3	0	*	*	Reykjavik ...	1004.0	21	0	-	0	b			
	Archangel ...	*	*	*	*	*	1026.4	+2	28	-4	WNW	2	0	1	*	*	Vestmanna ...	997.5	32	+2	N	6	b		
	Mesen ...	*	*	*	*	*									*	*	Seydisfjord ...	1002.6	32	+2	NE	4	s		
SWEDEN.	Haparanda ...						*							*	*	Thorshavn ...	979.5	43	+2	E	5	0			
	Hernösand ...						*							*	*	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM									
	Stockholm ...						*							*	*										
	Wisby ...						*							*	*	11 TH AND 12 TH JAN. 1919.									
Sordovalva ...						*							*	*	Sunrise.							Noon.	Sunset.		
Hangö ...						*								*	*	G.M.T.	G.M.T.	G.M.T.							
ITALY.	Venice ...						1015.0	*	37	-4	S	3	b	-	50	37	Yarmouth ...	8.2	12.1	4.0					
	Turin ...	1014.6	45	-	0	c	1014.2	*	39	-9	-	0	b	2	54	37	Greenwich ...	8.2	12.1	4.1					
	Pesaro ...	1013.4	46	NE	1	b	1014.6	*	54	+9	-	0	c	-	55	45	Wick ...	8.4	12.8	4.12					
	Leghorn ...	1013.7	54	-	0	b	1015.5	*	43	-3	-	0	c	-	53	43	Valencia ...	8.3	12.8	4.13					
	Rome ...	1011.8	52	N	1	b	1012.1	*	54	+4	WSW	3	b	-	57	43									
	Viesti ...	1009.9	54	NW	1	0		*																	
	Brindisi ...							*																	
	Cagliari ...	1013.9	50	NW	4	b	1018.1	*	45	-1	NW	4	c	-	59	39									
	Palermo ...	1009.7	54	NW	3	0	1017.4	*	55	+10	WNW	1	0	1	59	45									
	Tripoli ...							*																	

LONDON	HUMIDITY.		Sun-shine for 10 TH	TEMPERATURE.			Rain-fall.	WEATHER.		
	10 TH	11 TH		Max.	Min.	Min. on Grass		Morning.	Afternoon.	Night.
	%	%		°F.	°F.	°F.				
11 TH JANUARY...9h. G.M.T.										
GREENWICH (Royal Observatory)	93	96	1.2	43	36	29	4	o. cr.	o. cr.	o. cr.
CITY (Bunhill Row) ..	*	*	0.2	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	85	92	1.1	43	38	30	9	*	*	*
" (Roof near Charing Cross).	84	91	0.6	43	38	*	9	cm	bc	c. cr.
CAMDEN SQ. (British Rainfall) ..	83	93	0.3	42	36	29	9	no.	o	*
KENSINGTON PALACE ..	*	96	*	42	37	28	10	bc	bc	*
RICHMOND PARK ..	*	*	*	*	*	*	*	*	*	*

SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 10 TH ...		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
212	72	17

11th JAN, at 1h. G.M.T.

THE MORNING OF SATURDAY, 11 JANUARY 1919 at 7h. G.M.T.



EXPLANATION.

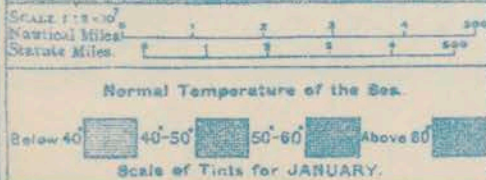
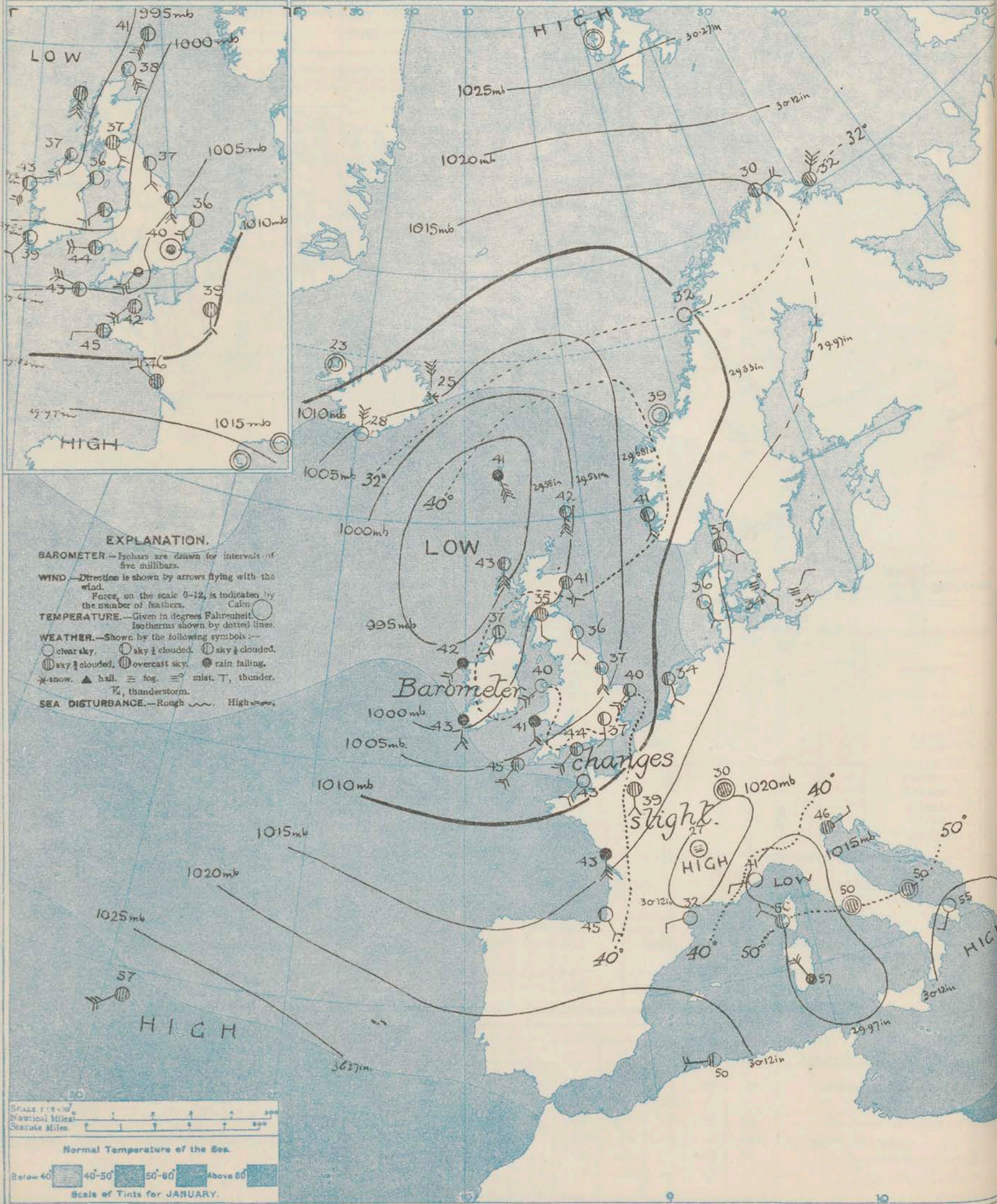
BAROMETER.—Isobars are drawn for intervals of five millibars.

WIND.—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Calm.

TEMPERATURE.—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

WEATHER.—Shown by the following symbols:—
 ○ clear sky. ○ sky 1/2 clouded. ○ sky 3/4 clouded.
 ○ sky 1/2 clouded, ○ overcast sky. ● rain falling.
 * snow. ▲ hail. ≡ fog. ≡ mist. T, thunder.
 K, thunderstorm.

SEA DISTURBANCE.—Rough wavy line. High wavy line.





Lerwick.

0 40



Weather over the whole country yesterday was changeable, with fair to very fine intervals, as much as 6.0 hours of bright sunshine being recorded at Jersey, and 5.7 hours at Nottingham. Eastern Scotland and North-eastern England had no rain, but showers were general elsewhere, the total reaching 18 mm, at Richmond (Kew Observatory). Hail showers fell at a few places in the south-west, and snow fell at Eskdalemuir in the morning and afternoon, and was lying this morning. Temperatures, however, remained moderate, ranging from a maximum of 47° at Portland Bill and Dungeness to a minimum of 31° at Donaghadee.

There is a depression situated between Scotland and Iceland, with a fairly steep gradient causing strong Southerly winds in the north of Scotland and at Thorshavn. Shallow secondary disturbances lie over Scotland and south-east England, and another is indicated off the west of Ireland. Pressure is high in the Arctic region and in the south-east of France, near Lyons, but there is a shallow depression over the Gulf of Genoa.

The barometer is changing little over these Islands, but the depression is tending to fill up, and the strong winds over the north of Scotland will moderate. The conditions, however, continue favourable for the development of secondary disturbances, which will cause unsettled weather and occasional squalls.

44

JANUARY, 1919, at 13h. (1 p.m.) G.M.T.



Changes in pressure since this morning are slight, but the wind has veered at Castlebay, Blacksod Point and Valencia, so that the centre of the depression now lies near the Hebrides, with a shallow secondary over Ireland moving eastward.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919. No.11... SATURDAY, 11th JANUARY.

STATIONS.	EVENING OF 10 th						MORNING OF 11 th										24 HOURS ENDED 7 th 11 th						Sun- shine for 10 th Hours.
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 8 hours.	TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.					
			Direc.	Force 0-12.				°F.	°F.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.			
BRITISH ISLANDS.	Lerwick	995.4	42	SSW	6	cmq.	999.4	0	42	-1	S	7	S	cmq.	6	1	43	39	cmq.	cmq.	cmq.	*	
	Houton B. (Orkney)	993.9	38	SSW	6	b	997.7	+1	38	-1	SSE	7	*	bc	4	*	40	37	c.o.	b.b.v.	b.b.v.	*	
	Stornoway	990.1	44	S	6	cg	993.6	0	43	0	S	6	-	ofu	5	S	44	40	of.c.	bc.	c.of.c.	0.0	
	Castlebay (Barra Isd.)	991.3	44	S	6	of	994.6	0	45	0	S	5	-	of	6	+	46	41	bc.	bc.of.	of.c.of.	2.4	
	Glasgow	998.7	37	SSE	2	c	1000.2	+2	35	-5	SSE	1	-	o	*	1	42	34	bc.c.	cz.	c.of.c.	1.1	
	Eskdalemuir	1000.0	33	S	3	o	1000.6	+1	34	-4	SSE	3	-	o	*	6	40	32	bc.of.	bc.of.	c.of.c.	1.7	
	Malin Head	992.7	39	SSW	4	cg	995.1	+1	37	-3	SSW	3	SW	bc	3	*	41	36	bc.	bc.	bc.	4.8	
	Blackod Point	995.0	38	WSW	1	bc	996.6	0	42	+2	SW	4	-	cmf	5	3	43	38	ch.	bc.	bc.of.	*	
	Valencia (Cahirciveen)	997.5	43	W	5	c	999.1	-1	43	+3	S	3	-	of	5	S	44	38	c.of.c.	c.of.c.	c.of.c.	0.3	
	Roche's Point	996.3	40	W	3	c	1001.6	0	40	-2	S	-	-	b	3	1	46	36	ch. o.	c.o.b.c.	bc.o.	*	
	Birr Castle	994.4	36	S	1	c	999.6	*	33	-3	SE	1	-	bc	*	*	42	32	c	c	c.o.b.c.	3.8	
	Donaghadee	996.1	40	SSW	2	bcmf	1000.0	+2	33	-5	SW	2	-	bm	2	Trace	44	31	bm	bczq.	bc.	*	
	Liverpool (Bidston)	1000.9	38	SE	3	o	1002.8	+2	37	-1	S	2	-	o	2	-	41	36	of.b.c.	bc.	c.o.	4.8	
	Holyhead	997.5	41	SSW	5	ofu.c.	1001.4	+2	40	-3	WSW	4	-	b	2	9	44	38	bc.ofu.	ch.ofu.	ch.b.c.	0.5	
	Pembroke (St. Ann's)	999.3	45	SW	5	cg	1003.8	+2	41	-4	S	3	-	ch	5	3	46	41	ch.c.	cg.	cg.c.	2.9	
Hartland Quay	999.3	45	SW	5	cg	1003.8	+2	41	-4	S	3	-	ch	5	3	46	41	ch.c.	cg.	cg.c.	2.9		
NORTHERN EUROPE.	Scilly (St. Mary's)	1003.4	42	W	4	c	1005.5	0	45	+3	SW	4	SW	c	6	3	46	41	cg.	gg.	cg.	2.0	
	Falmouth	1013.3	42	SW	5	bc.	1005.3	+1	39	+3	WSW	3	-	bc	*	5	46	35	bc.	c.ofu.	bc.	2.9	
	Jersey (St. Aubin)	1007.8	44	SSW	4	b	1007.0	0	43	0	SSW	3	-	b	3	-	47	42	o.b.	b.b.c.	b.	6.0	
	Portland Bill	1004.7	46	SW	5	c	1005.2	0	44	+1	SW	4	-	c	4	6	47	43	ch	ch	ch	*	
	Dungeness	1007.2	44	SSW	6	cg.	1007.1	-1	44	-1	WSW	5	SW	bc	5	1	45	40	cg.c.	q.c.	cg.b.c.	*	
	Wick	994.9	42	SSW	5	b	997.9	+1	40	-2	SSE	6	-	b	6	-	44	39	bc.	cg.	bc.	*	
	Nairn	994.6	37	WSW	2	bc	997.9	*	36	-6	WSW	1	-	bc	1	-	44	34	bc.c.	cg.b.c.	bc.x.	3.5	
	Aberdeen	997.9	40	SSW	4	b	1000.4	0	41	-1	SSE	3	-	o	3	-	43	39	c.b.c.	bc.	b.b.c.	1.9	
	Leith	998.4	39	SW	2	b	999.3	0	37	-4	SE	1	-	bc	2	-	43	36	b.b.c.	cu.b.c.	bc.b.c.	*	
	Tynemouth	1000.5	38	S	2	bm	1000.9	0	36	-4	S	2	-	bm	3	-	42	35	bm	bm	bm	*	
	Spurn Head	1004.8	39	SSW	3	bc.	1004.6	0	37	0	S	4	-	bc	4	-	41	35	cg.	bc.	bc.	0.5	
	Yarmouth (Gorleston)	1008.6	37	SW	2	b	1008.1	-1	40	+2	SSW	4	-	bc.	4	2	41	35	bc.of.c.	c.b.c.	b.b.c.	*	
	Clacton-on-Sea	1008.1	41	SSW	4	bc	1008.0	0	39	-2	SSW	3	-	ofu	2	7	42	37	c.of.	of.b.c.	bc.of.	0.7	
	Nottingham	1004.3	36	S	1	b	1004.7	*	35	-2	S	1	8	bc	*	*	42	34	b	b	b	5.7	
	Benson (Oxon.)	1005.4	37	SSW	3	b	1005.8	+1	33	-3	S	2	-	b	*	0.2	42	32	bc.	b.	bc.	*	
Sth Farnborough	-	-	S	5	of	1006.7	0	36	-2	SE	3	-	cm	*	9	42	36	c	of.	of.b.c.	3.3		
Salisbury Plain	1006.2	37	S	2	of	1006.6	0	35	-1	SSE	1	-	bc	*	0.4	45	33	bc.c.	of.c.b.c.	of.c.b.c.	*		
London (Kew Obs.)	1007.2	39	S	2	bc	1007.0	0	37	-2	S	1	-	bc.	*	18	42	36	of.c.b.c.	bc.	bc.of.b.c.	2.0		
FRANCE, &c.	Spitsbergen	1028.3	0	SE	1	b	1027.3	0	7	+13	-	0	*	b	*	*	7	-9					
	Vardø	1014.4	30	S	3	o	1012.1	+4	32	-2	NE	6	-	o	4	*	34	30					
	Gjesvær	1011.1	34	E	2	c	1014.4	*	30	-2	E	3	-	c	3	-	34	28					
	Bodø	1008.2	37	E	4	b	1010.0	+1	32	-4	E	1	-	b	1	-	37	30					
	Christiansund	1004.6	43	-	0	b	1008.8	+1	39	-6	-	0	-	b	2	-	45	37					
	Skudesnaes	1007.0	41	S	4	o	1008.8	+1	41	-2	S	5	-	c	5	9	43	28					
	Færder (X'ianta Fjord)	1013.6	39	SSE	1	o	1016.2	+1	37	-2	SSE	4	-	o	3	-	41	37					
	The Scaw (Skagen)	1013.5	39	S	2	c	1015.9	+1	37	-2	SE	2	-	o	2	-	41	36					
	Blavands Huk	1013.9	39	S	3	b	1014.3	0	36	-5	SSE	2	-	b	*	*	41	34					
	Copenhagen	1016.3	37	W	1	f.	1017.3	0	34	-2	SE	1	-	m	*	*	41	30					
	Bornholm	1017.6	37	-	0	f.	1017.3	-1	34	-3	NE	1	-	f	0	-	39	32					
	The Helder	1011.7	37	SSE	4	c	1011.5	0	34	-2	SSE	2	-	bc	2	-	41	34					
	C. Gris Nez	1009.9	39	SSE	4	bc	1008.8	-1	39	0	SSE	4	*	o	3	1	43	36					
	La Hève	1010.7	41	SSE	5	b	1010.0	0	39	-2	S	5	*	b	*	Trace	46	37					
	Brest (St. Mathieu)	1009.9	46	WSW	4	c	1008.6	+1	43	-2	-	0	*	c	*	2	50	41					
Rochefort (Ile d'Aix)	1012.3	37	-	0	b	1013.2	0	43	-2	S	5	*	o	*	14	50	41						
Biarritz	1017.2	46	WSW	2	b	1017.1	0	45	0	SSE	2	*	b	*	*	52	43						
IBERIA, &c.	Paris	1013.9	41	SSW	2	bc	1013.2	0	39	+7	S	2	*	o	*	1	46	32					
	Belfort	1016.4	39	-	0	c	1019.4	*	30	-7	-	0	*	o	*	*	40	30					
	Lyons	1017.9	37	-	0	b	1020.3	+1	27	-7	-	0	*	f	*	*	46	25					
	Nice	1013.5	52	SW	2	c	1014.7	0	41	0	W	1	*	b	*	*	54	39					
	Perpignan	1017.2	46	-	0	b	1019.5	+1	32	-11	W	1	*	b	*	*	52	39					
	Sanguinaire	1015.9	0	50			1015.9	0	50		NW	2	*	c	*	*	54	50					
	Corunna	1019.3	57	WSW	2	c	1024.3	+1	50	-4	W	3	-	bc	2	2	63	50					
	Madrid	1015.3	49	-	0	b	1017.5	*	46	-5	NNE	3	-	b	*	-	61	45					
	Lisbon	1012.8	0	50			1012.8	0	50		-	0	W	bc	0	8	68	46					
	Azores (Horta)	1031.4	*	WSW	4	c	1029.3	-2	59	+7	WSW	5	*	o	3	1	61	55					
	" (P. Delgada)	1031.4	*	WSW	4	c	1029.3	-2	59	+7	WSW	5	*	o	3	1	61	55					
	Madeira	1019.3	57	WSW	2	c	1024.3	+1	50	-4	W	3	-	bc	2	2	63	50					
	Gibraltar	1015.3	49	-	0	b	1017.5	*	46	-5	NNE	3	-	b	*	-	61	45					
	MEDITERRANEAN.	Algiers	1019.3	57	WSW	2	c	1024.3	+1	50	-4	W	3	-	bc	2	2	63	50				
		Malta	1015.3	49	-	0	b	1017.5	*	46	-5	NNE	3	-	b	*	-	61	45				
Salonica		1012.8	0	50			1012.8	0	50		-	0	W	bc	0	8	68	46					
Athens		1014.3	-1	57	+6	WSW	4	-	72	46													
Candia		1017.2	48	-6	SE	2																	
Limassol		1016.0	57	WSW	3	b	1014.3	-1	57	+6	WSW	4	-	72	46								
Alexandria		1017.6	55	-	0	b	1017.2	+1	48	-6	SE	2	-	b	*	-	72	46					
Cairo (Helwan)		1017.6	55	-	0	b	1017.2	+1	48	-6	SE	2	-	b	*	-	72	46					

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	3.4-6.4
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

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.

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

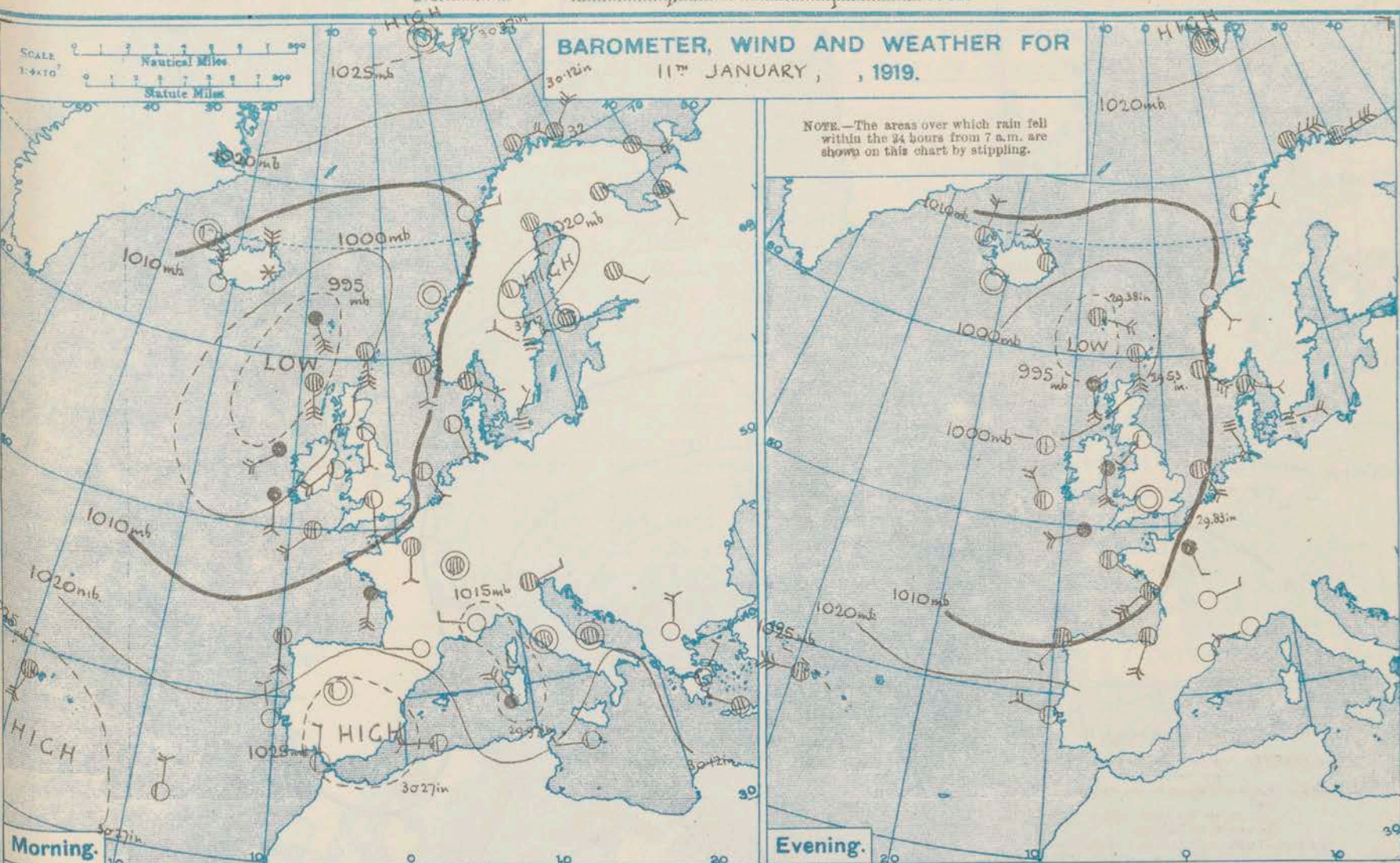
No. 2870

Sunday, 12th January

1919.

BAROMETER, WIND AND WEATHER FOR 11th JANUARY, 1919.

NOTE.—The areas over which rain fell within the 24 hours from 7 a.m. are shown on this chart by stippling.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 11th JANUARY

STATIONS.	EVENING OF 10 TH					MORNING OF 11 TH									MORNING OF 11 TH								
	BAROM. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.		
			Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Dirac.		Force 0-12.	
RUSSIA.		°F.						°F.	°F.				°F.	°F.			°F.	°F.					
Orlov ...	*	*	*	*	*	1018.7	*	14	-4	SE	4	0	*	*		Isafjord ...	1012.2	23	-7	-	0	b	
Kem ...	*	*	*	*	*	1018.0	*	21	+3	SW	1	0	*	*		Reykjavik	1008.2	14	-7	-	0	b	
Archangel ...	*	*	*	*	*	1017.9	+3	21	-7	S	2	0	-	*	*		Vestmanna	1004.7	28	-4	N	6	b
Mesen ...	*	*	*	*	*									*	*		Seydisfjord	1006.6	25	-7	N	6	S
SWEDEN.																	Thorshavn	991.8	41	-2	SSE	7	o
Haparanda ...						1014.6	*	32	?	S	2	0	*	*	*	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM							
Hernösand ...						1020.7	*	32	?	-	0	bc	*	*	*	12 TH & 13 TH JAN. 1919.							
Stockholm ...						1016.6	*	34	?	NW	2	f	*	*	*		G.M.T.	G.M.T.	G.M.T.				
Wisby ...						1016.6	*	37	?	NNW	2	o	*	*	*	Yarmouth ...	8.2	12.1	4.1				
Sordovalä ...						1017.1	*	28	?	SSE	1	o	*	*	*	Greenwich ...	8.1	12.2	4.3				
Hangö ...						1016.4	*	30	?	-	0	o	*	*	*		8.3	12.9	4.15				
ITALY.																	8.3	12.9	4.15				
Venice ...	1015.8	48	ENE	1	c	1015.1	*	46	?	ENE	1	o	trace	54	45		8.56	12.20	3.44				
Turin ...	1015.3	45	-	0	o	1015.7	*	39	?	-	0	f	-	48	37		8.55	12.21	3.46				
Pesaro ...	1016.3	48	-	0	c	1015.4	*	48	+11	-	0	o	-	55	43		8.47	12.49	4.52				
Leghorn ...																	8.46	12.50	4.53				
Rome ...	1018.2	52	-	0	o	1017.9	*	50	-4	-	0	o	trace	57	50								
Viesti ...	1018.2	52	-	0	o	1017.9	*	50	+7	-	0	o	trace	57	50								
Brindisi ...	1017.5	55	S	1	b	1020.1	*	55	?	SW	1	b	-	55	48								
Cagliari ...	1016.6	50	NW	3	c	1012.7	*	46	+1	NW	4	r	2.0	57	46								
Palermo ...																							
Tripoli ...																							

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

12 th & 13 th JAN. 1919.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	8.2	12.1	4.1
Greenwich ...	8.1	12.2	4.3
Wick ...	8.3	12.9	4.15
Valencia ...	8.56	12.20	3.44
	8.55	12.21	3.46
	8.47	12.49	4.52
	8.46	12.50	4.54

LONDON 12 th JANUARY, 9h. G.M.T.	HUMIDITY.		Sun- shine for Hours.	TEMPERATURE.			Rain- fall. mm.	WEATHER.		
	11 th	12 th		Max.	Min.	Min. on Gauss.		Morning.	Afternoon.	Night.
GREENWICH (Royal Observatory) ...	94	94	0.8	44	31	24	0.3	c. or	or	
CITY (Bunhill Row) ...	*	*	0.2	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park) ...	91	94	0.7	43	32	27	0.4	*	*	*
" (Roof near Charing Cross) ...	91	92	0.5	44	37	*	0.2	cm	cm	bc m
CAMDEN SQ. (British Rainfall) ...	84	100	0.2	42	31	26	1	-	-	*
KENSINGTON PALACE ...	-	92	*	41	31	22	1	od	or	*
RICHMOND PARK ...	*	*	*	*	*	*	*	*	*	*

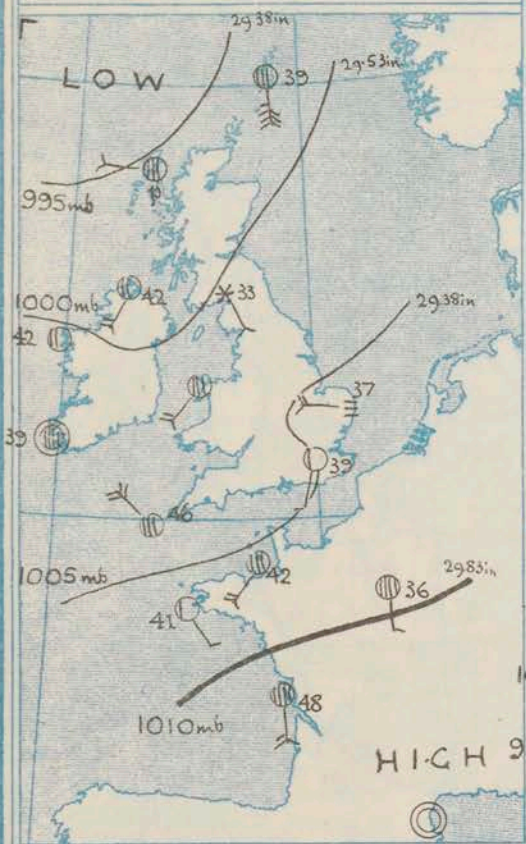
SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 11 th ...		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
185	6.4	27

NOTE.—The barometers at Greenwich and Camden Square are in Graham's scales.

* The barometric change is expressed in half millibars.

12TH JAN, at 1h. G.M.T.

THE MORNING OF Sunday, 12TH JANUARY 1919 at 7h. G.M.T.



EXPLANATION.

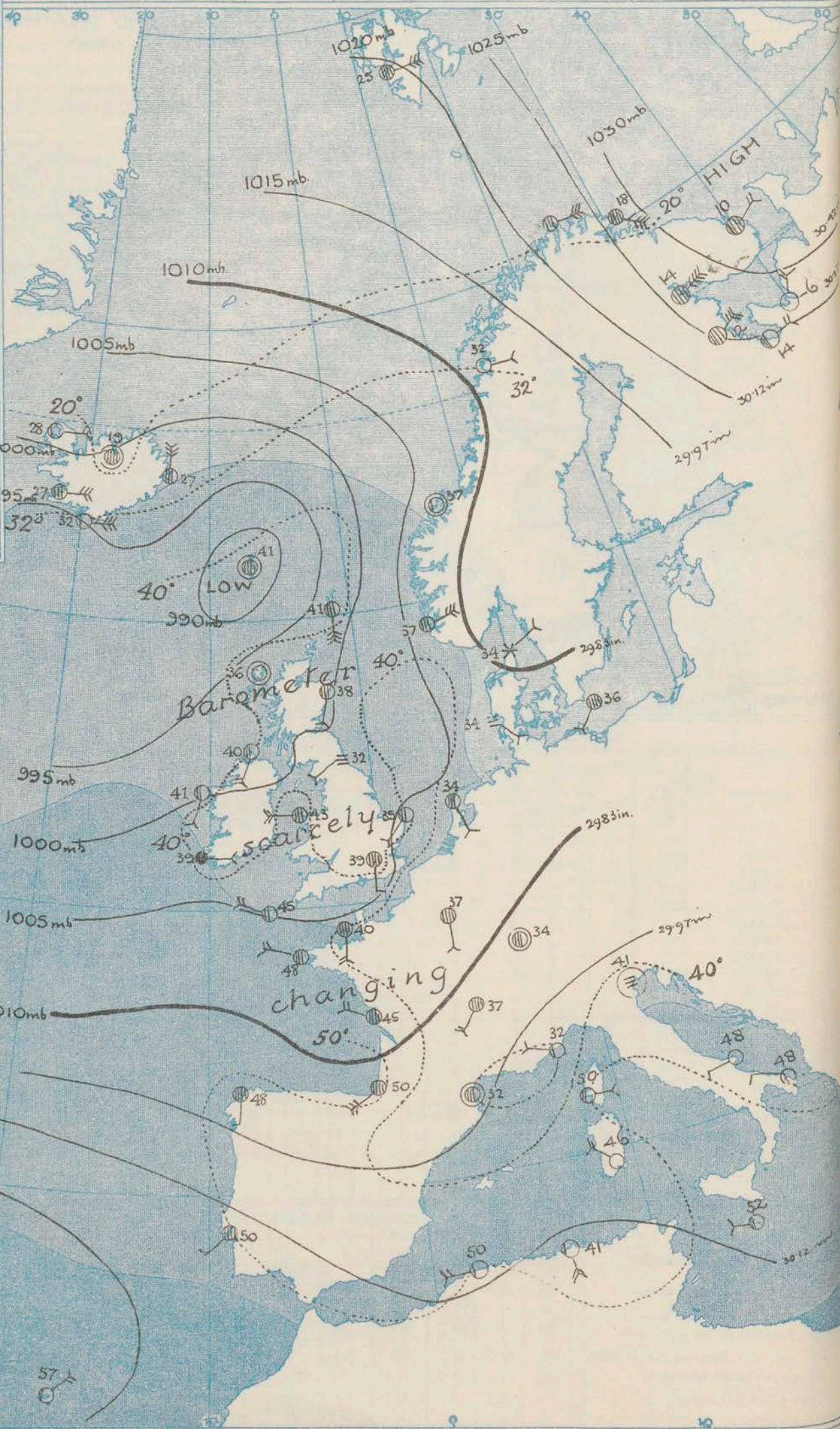
BAROMETER.—Isobars are drawn for intervals of five millibars.

WIND.—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Calm (circle with dot).

TEMPERATURE.—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

WEATHER.—Shown by the following symbols:—
 ○ clear sky. ○ sky & clouded. ○ sky & clouded.
 ○ sky & clouded. ○ overcast sky. ● rain falling.
 * snow. ▲ hail. ≡ fog. ≡ mist. T, thunder.
 K, thunderstorm.

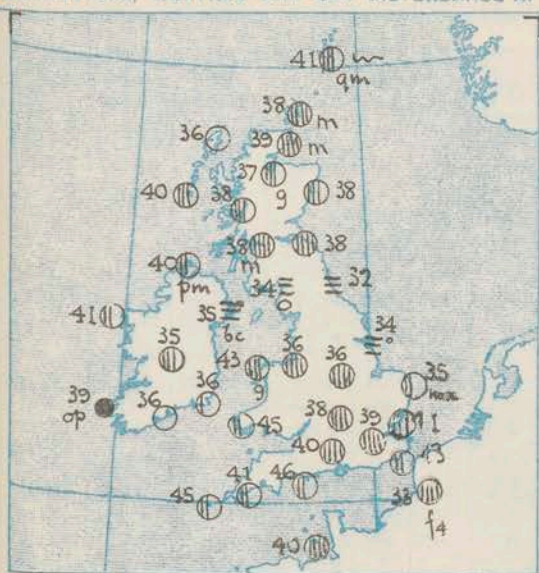
SEA DISTURBANCE.—Rough ~~~~~ High ~~~~~



SCALE 1" = 100 Nautical Miles
 1" = 80 Statute Miles

Normal Temperature of the Sea.

Below 40° 40°-50° 50°-60° Above 60°
 Scale of Tints for JANUARY.



NOTES.

Notes on the Weather of the 24 hours ended 7h. today

The day temperatures were within a few degrees on either side of the normal, while the night minima generally were well above the normal, a slight frost being felt locally. In the Hebrides, 13 mm of rain fell, other regions receiving much smaller amounts. Bright sunshine was very variable, from none in places to six hours at Bidston (Liverpool). In the night the atmosphere became foggy on the north-east coasts of England and Ireland.

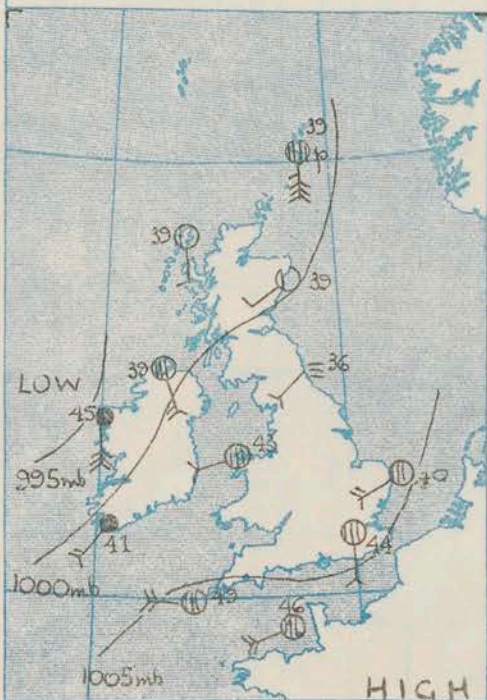
The Conditions prevailing at 7h.

The recent cyclonic system still occupies the north-eastern part of the Atlantic, with its central space between Scotland and Iceland, and the barometer below 990 mb. In the Azores Madeira anticyclone pressure exceeds 1025 mb; and in the Arctic anticyclone it exceeds 1030 mb along the Murman coast. Pressure is at a moderate level along the Mediterranean. Over Western Europe and the Western Mediterranean the South easterly to Westerly wind is mostly light in force, but in the Iceland and White Sea regions the East wind is strong to a gale in places. For the most part the weather is cloudy to overcast and dull, but at the time of observation a rain shower was falling only at Valencia and snow at Skagen.

Subsequent Changes. The observations taken at 13h. showed the Atlantic depression to be surging eastward again, the barometer giving way at a moderate rate in Ireland, accompanied by an increasing southerly wind and rain.

H.H.

JANUARY, 1919, at 13h. (1p.m.) G.M.T.



DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919. No. 12...

SUNDAY
12th JANUARY.

STATIONS.		EVENING OF 11th					MORNING OF 12th								24 HOURS ENDED 7th 12th					Sun- shine for 11th		
		Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 8 hours.	TEMP. °F.	Change in 24 hours.	WIND.		Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
				Dir.	Force 0-12.						Dir.	Force 0-12.					Max.	Min.	Morning		Afternoon.	Night.
BRITISH ISLANDS.	Lerwick	998.9	41	S	6	cmg	997.2	-1	41	-1	S	6	S	cmg	6	1	42	38	cm	cmg	cmg	*
	Houton B. (Orkney)	998.9	41	S	4	or	996.9	+2	38	0	SSW	3	-	om	2	13	39	37	or	or	om	0.0
	Stornoway	995.0	41	S	4	or	996.9	+1	36	-7	-	0	-	b	0	13	43	24	or	or	or	0.0
	Castlebay (Barra Isd.)	995.6	41	NW	2	c	997.8	0	40	-6	-	0	-	c	1	13	46	38	of	r.b.o.c	c.of.b	1.0
	Glasgow	1000.4	38	SSE	2	cg	1000.3	+1	38	+3	SW	1	-	om	*	1	42	35	a.cm	c.b.c	c.of.om	2.6
	Esksdalemuir	1002.0	35	SSW	2	om	1001.1	0	34	0	-	0	-	of	2	38	32	og.of.m	om.c	om.c	0.2	
	Malin Head	996.8	42	W	2	cg	998.0	0	40	+3	SSW	3	-	b.c.m	3	1	43	37	cg	cg	bc	0.4
	Blackrod Point	1000.1	42	-	0	b.c.m	999.9	0	41	-1	SSW	2	S	bc	4	4	42	37	b.c.m	b.c.m	om.b	*
	Valencia (Cahirciveen)	1002.3	44	NNW	3	c	1003.0	0	34	-4	E	2	-	of	3	5	43	37	c.c.r	c.b.c	b.c.b	2.8
	Roche's Point	1001.2	44	WNW	1	c	1003.0	0	36	-4	-	0	-	b	3	0.2	49	36	a.b	bc.o	bc.b	*
	Birr Castle	999.8	41	S	1	o	1001.6	*	35	+2	-	0	-	c	*	0.3	42	32	b.c.c	o.c	a.c	1.5
	Donaghadee	999.7	38	SSW	2	og.m	998.3	+2	35	+2	W	2	-	b.c.f	1	0.2	41	31	b.m	b.m	om.c	*
	Liverpool (Bidston)	1003.4	36	SE	3	b	1001.3	0	36	-1	S	1	-	o	1	41	35	b	b.m	bc.o	6.1	
	Holyhead	1001.0	41	S	5	og.f	1001.1	+1	43	+3	W	4	-	cg	3	1	45	40	b.b.c	b.b.c	ch.of.c	3.0
	Pembroke (St. Ann's)	1001.7	44	SSW	4	cg	1002.8	+1	45	+4	NW	2	NW	bc	3	4	48	40	c.c	c	c.b	2.4
	Hartland Quay	1001.7	44	SSW	4	cg	1002.8	+1	45	+4	NW	2	NW	bc	3	4	48	40	c.c	c	c.b	*
	Scilly (St. Mary's)	1004.4	47	WSW	4	of	1005.0	+1	45	0	WNW	4	W	bc	5	3	49	43	c	c	c.b	3.3
	Falmouth	1004.6	44	SW	4	o	1004.2	0	41	+2	W	2	-	bc	4	48	36	b.c	bc.c	ch.of.c	3.2	
	Jersey (St. Aubin)	1006.8	44	SSW	3	c	1005.4	0	40	-3	S	3	-	o	3	48	39	b	bc	c.o	3.7	
	Portland Bill	1005.4	47	S	1	bc	1003.4	0	46	+2	SW	4	-	bc	4	3	47	44	ch	b.c	b.c	*
	Dungeness	1006.6	42	SW	3	c	1005.0	0	43	-1	SW	4	SW	bc	3	3	45	38	b.c	ch.c	ch.c	*
Wick	997.9	41	S	5	b	997.5	+2	39	-1	SW	2	-	om	3	0.1	41	39	b.c	om.b	b.b.c	*	
Nairn	996.5	37	SW	1	b.c	997.7	*	37	+1	-	0	-	cg	1	40	30	bc	bc	bc.c	8.4		
Aberdeen	1000.8	38	S	3	b	999.4	+1	38	-3	SSW	2	-	c	2	0.2	41	37	om.b	c.b.c	b.b.c	0.1	
Leith	1000.6	36	SW	1	c	999.6	0	38	+1	WSW	1	-	o	1	41	32	bc	bc	bc	*		
Tynemouth	1002.5	37	SW	1	b.c	1001.0	0	32	-4	SW	2	-	f	3	41	32	b.c	b.c	f	*		
Spurn Head	1004.9	37	SSW	1	bc	1002.7	-1	34	-3	S	2	-	m	3	Trace	39	32	bc	bc	b.b.c	0.0	
Yarmouth (Gorleston)	1007.0	36	SW	3	om	1005.6	-2	35	-5	WSW	2	-	b.c.m	2	44	35	b.c	bc.c	om.b	*		
Clacton-on-Sea	1006.5	40	SW	3	c	1005.8	-1	41	+2	SSW	3	-	c	2	1	41	35	og.r	c.b.c	c.b.c	0.0	
Nottingham	1004.9	34	S	1	c	1002.2	*	36	+1	SW	1	-	o	1	40	31	c	b.m	b.m	3.0		
Benson (Oxon.)	1005.2	37	SSW	1	bc	1003.3	0	38	+5	S	1	-	o	1	43	32	b	b	b.o	*		
Sth Farnborough	1006.1	35	-	0	c	1003.9	-1	39	+3	S	4	-	o	1	42	36	r.c	c.b.c	c.b.c	1.6		
Salisbury Plain	1006.1	35	-	0	c	1003.7	0	40	+5	SW	1	W	o	1	44	33	b.c	b.c	b.c	*		
London (Kew Obs.)	1006.4	35	-	0	b.f	1004.3	0	39	+2	S	1	-	o	1	41	30	b.c	b.c	b.c	1.5		
NORTHERN EUROPE.	Spitsbergen	1022.6	23	-	0	o	1019.4	-1	25	+13	E	6	*	o	3	25	5					
	Vardö	1025.1	27	E	8	o	1024.7	+4	18	-14	SE	7	-	o	5	32	18					
	Gjesvær	1018.6	23	E	7	o	1023.1	*	19	-11	E	6	-	c	3	32	19					
	Bodö	1012.6	32	E	2	b	1011.8	0	32	0	E	2	-	b	2	32	28					
	Christiansund	1010.0	34	SE	2	b	1008.7	+2	37	-2	-	0	-	b	3	34	21					
	Skudesnaes	1009.5	36	SE	6	o	1006.7	-4	37	-4	ESE	5	-	c	4	38	36					
	Færder (Xlantiafjord)	1015.9	34	SE	3	o	1011.7	-2	34	-3	E	4	-	o	2	37	32					
	The Scaw (Skagen)	1014.9	34	ESE	2	o	1010.1	-1	34	-3	ENE	2	-	s	2	37	34					
	Blaavands Huk	1013.0	34	SSE	3	f	1009.1	-2	34	-2	SE	2	-	f	1	37	30					
	Copenhagen	1015.2	32	ESE	2	o	1009.1	-3	36	+2	E	1	-	m	9	36	32					
	Bornholm	1014.9	37	E	3	f	1008.6	-2	36	+2	SW	2	-	o	0	37	32					
	The Helder	1009.2	37	SSE	3	o	1005.5	-1	34	0	SSE	2	-	c	1	37	34					
FRANCE, &c.	C. Gris Nez	1007.7	39	S	5	*	1006.0	-1	39	0	S	4	*	bc	5	43	36					
	La Hève	1007.7	39	SSW	4	c	1005.7	0	36	-3	S	3	*	o	1	41	36					
	Brest (St. Mathieu)	1007.1	45	SE	1	c	1007.3	+1	48	+5	W	3	*	c	1	48	43					
	Roche fort (Ile d'Als)	1006.8	50	SW	6	o	1007.9	+2	45	+2	WNW	5	*	bc	20	50	45					
	Biarritz	1005.7	50	SSW	4	c	1012.8	+3	50	+5	SW	5	*	o	1	52	45					
	Paris	1011.0	41	S	3	Y	1008.0	-1	37	-2	S	2	*	o	6	41	36					
	Belfort	1012.8	*	S	3	Y	1012.8	*	34	+4	-	0	*	c	1	45	30					
	Lyons	1016.3	37	ENE	1	b	1013.0	+1	37	+10	SSW	3	*	o	Trace	46	27					
	Nice	1015.3	44	WSW	2	b	1016.8	+2	41	0	WNW	2	*	b	1	54	34					
	Perpignan	1016.4	44	-	0	b	1013.5	+1	32	0	-	0	*	c	1	50	28					
	Sanguinaire	1017.9	44	-	0	b	1017.9	-1	50	0	E	2	*	bc	3	55	50					
	Corunna	1009.4	48	SW	2	o	1015.0	+1	46	-	S	1	-	o	21	52	45					
IBERIA, &c.	Madrid	1025.1	52	WNW	3	b	1022.9	0	50	-	SW	1	-	o	1	55	48					
	Lisbon	1026.9	*	WSW	6	o	1026.9	*	57	-	SW	3	N	b	3	64	57					
	Azores (Horta)	1026.9	*	WSW	6	o	1026.9	*	57	-	SW	3	N	b	3	64	57					
	„ (P. Delgada)	1025.3	63	N	3	o	1026.4	0	57	-	SW	3	N	b	3	64	57					
	Madeira	1025.3	63	N	3	o	1026.4	0	57	-	SW	3	N	b	3	64	57					
	Gibraltar	1023.1	50	WNW	1	b	1018.1	0	50	0	W	3	-	b	1	59	46					
	Algiers	1019.8	47	N	1	b	1016.1	-1	46	0	WNW	1	-	bc	2	60	45					
	Salonica	1017.7	52	-	0	c	1017.6	+1	60	-	E	1	SW	bc	0	61	48					
	Athens	1018.5	57	-	0	o	1017.6	0	52	-	-	0	SE	bc	0	63	50					
	Candia	1012.6	46	-	0	o	1012.6	0	46	-4	N	1	-	b	0	64	46					
	Limassol	1017.1	61																			

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

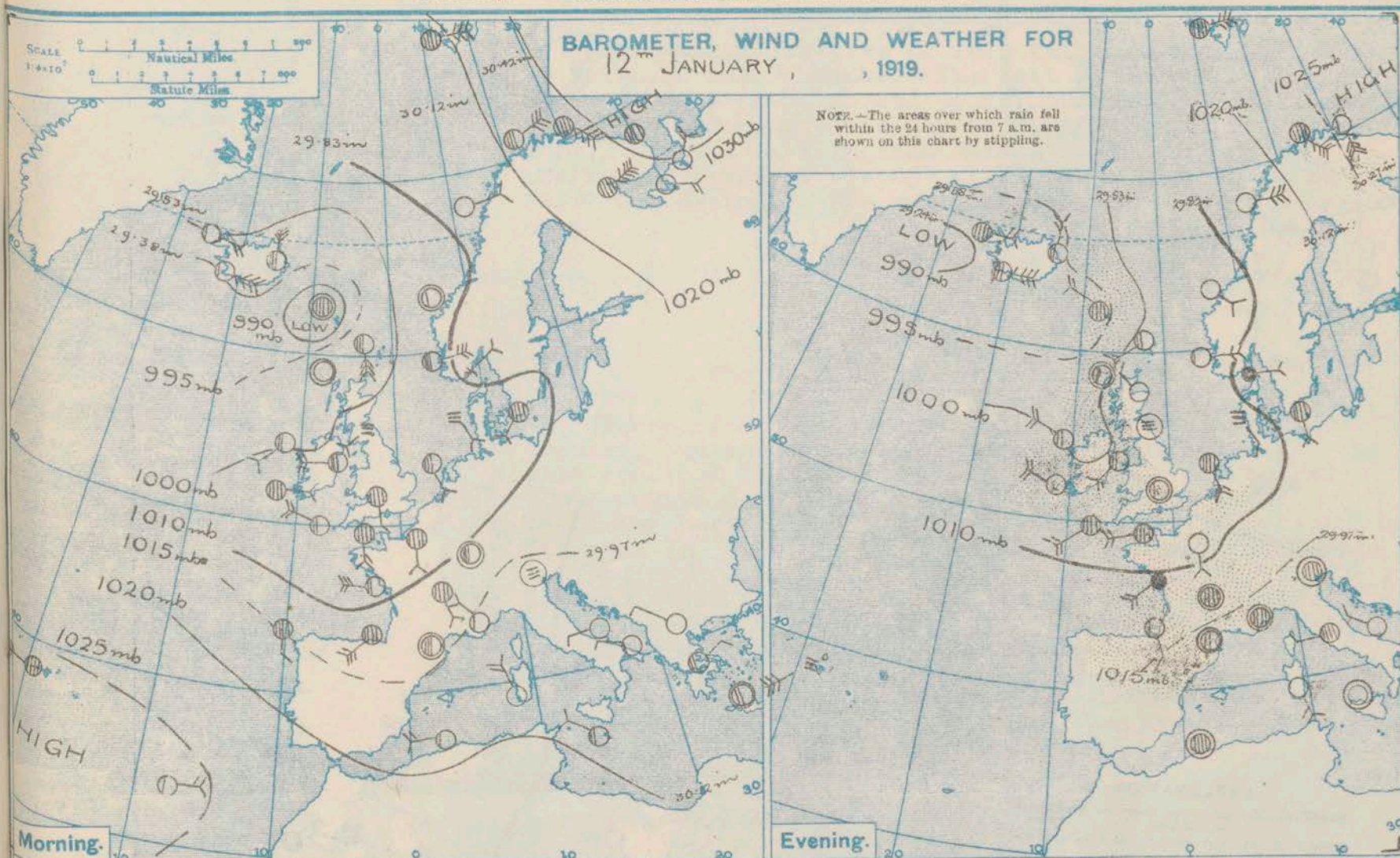
BEAUFORT NOTATION.

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.
h hail.

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,871. MONDAY, 13TH JANUARY, 1919.

BAROMETER, WIND AND WEATHER FOR 12TH JANUARY, 1919.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 12TH JANUARY.

STATIONS.	EVENING OF 11 TH					MORNING OF 12 TH										MORNING OF 12 TH						
	Barom. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	Barom. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
			Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Dirac.		Force 0-12.
		°F.	°	°	°			°F.	°F.					°F.	°F.			°F.	°F.			
Orlov ...	*	*	*	*	*	1032.4	+	10	-4	NE	3	0	*	*	*	Isafjord ...	1001.6	28	+5	E	3	b
Kem ...	*	*	*	*	*	1024.3	+	12	-9	ENE	5	0	*	*	*	Reykjavik	995.3	27	+12	E	5	c
Archangel	*	*	*	*	*	1026.7	+5	-6	-27	NE	3	b	-	*	*	Vestmanna	994.3	32	+4	E	7	b
Mesen...	*	*	*	*	*									*	*	Seydisfjord	998.6	27	+2	N	6	c
Haparanda							*						*	*	*	Thorshavn	999.9	41	0	-	0	0
Hernösand							*						*	*	*	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM						
Stockholm							*						*	*	*	13 TH & 14 TH JAN. 1919.						
Wisby ...							*						*	*	*	Sunrise.		Noon.		Sunset.		
Sordovals							*						*	*	*	G.M.T.		G.M.T.		G.M.T.		
Hangö ...							*						*	*	*	Yarmouth ...	8.1	12.2	4.3			
Venice ...	1013.1	45	W	2	c	1015.3	*	41	-5	-	0	f	2	48	41	Greenwich ...	8.0	12.2	4.4			
Turin ...	1016.6	37	SW	5	0	1016.9	*	30	-9	-	0	b	-	43	27	Wick ...	8.3	12.4	4.15			
Pesaro ...	1015.3	46	-	0	c	1016.7	*	45	-3	-	0	b	6	55	39	Valencia ...	8.2	12.9	4.16			
Leghorn							*										8.55	12.21	3.46			
Rome ...	1019.0	46	-	0	b	1019.0	*	39	-11	?	1	bc	16	55	37		8.54	12.21	3.48			
Viesti ...	1014.3	50	SE	1	0	1017.4	*	48	-2	W	1	b	-	54	41		8.46	12.50	4.5			
Brindisi	1016.5	52	-	0	c	1018.2	*	48	-7	NW	1	b	-	50	48		8.43	12.50	4.5			
Cagliari	1020.6	46	NW	5	b	1019.4	*	46	0	NW	3	b	-	57	46							
Palermo							*															
Tripoli ...							*															

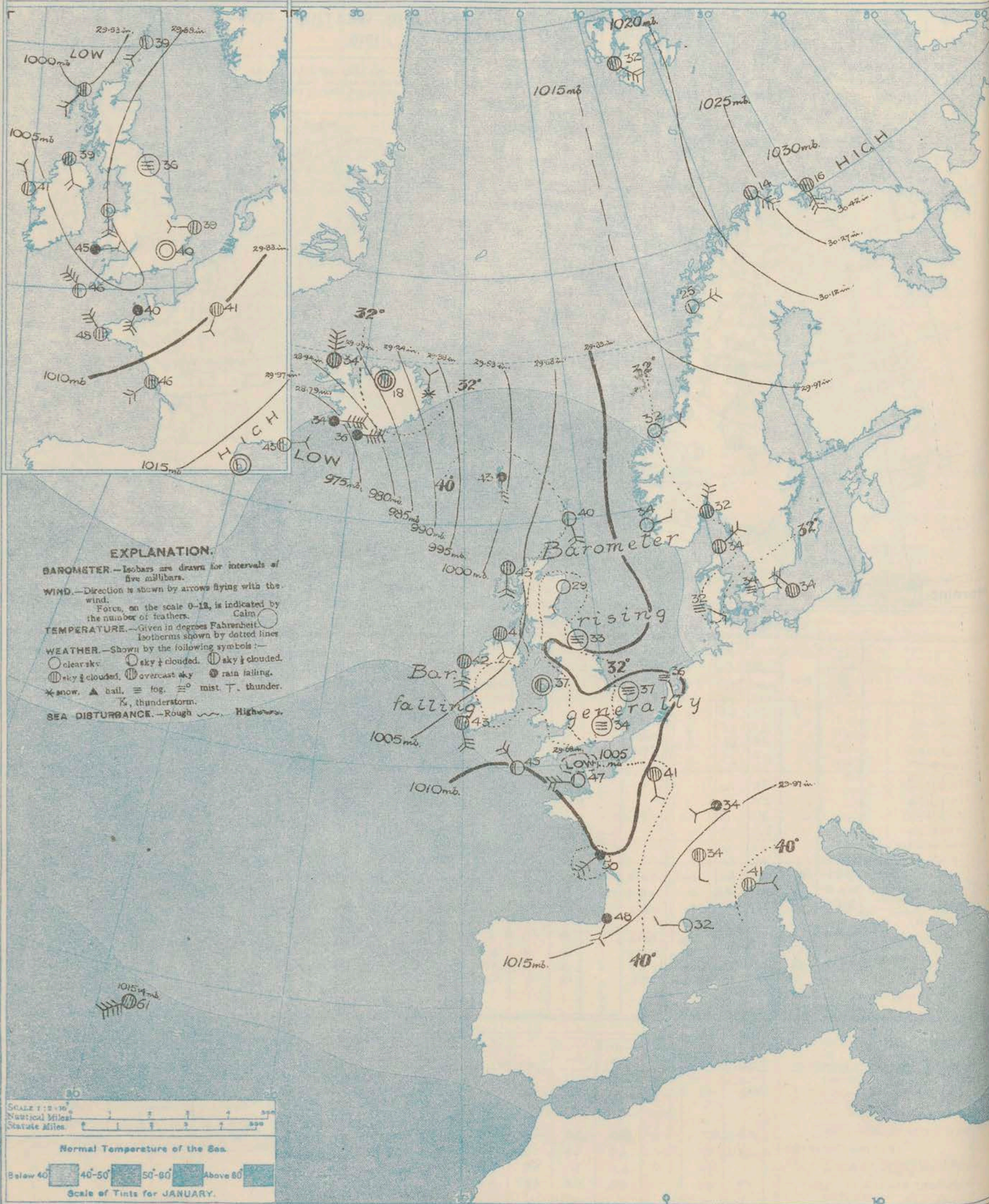
LONDON										SOUTH KENSINGTON (M.O.)									
13 TH JANUARY 9h. G.M.T.										Vertical Component of Solar Radiation per square Centimetre during 12 TH									
Humidity.		Sunshine for		TEMPERATURE.			Rain-fall.		WEATHER.			Total.		Average Rate.		Max. Rate.		Joules.	
15 h.	9 h.	12 TH	13 TH	Max. °F.	Min. °F.	Min. on Grass °F.	mm.		Morning.	Afternoon.	Night.			Milliwatts.		Milliwatts.			
92	100	0.9	44	30	24	1	0	0	0	0	0	163	5.6	15					
*	*	0.0	*	*	*	*	*	*	*	*	*								
88	100	0.2	45	30	27	0.4	*	*	*	*	*								
89	100	0.1	45	34	*	0.3	0pm	0m	0m	0m	0m								
-	100	0.0	45	31	27	0.2	-	-	-	-	-								
97	96	*	42	40	21	0.2	bc	0.0f	*	*	*								
*	*	*	*	*	*	*	*	*	*	*	*								

NOTE.—The thermometers at Greenwich and Camden Square are in Celsius scales.

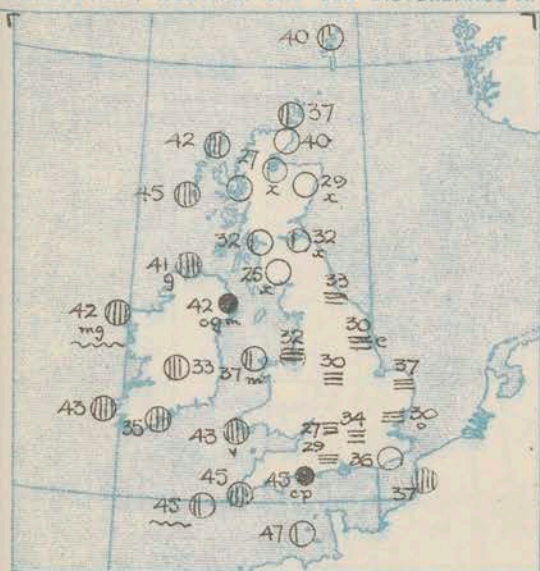
The barometric change is expressed in half millibars.

13TH JAN, at 1h. G.M.T.

THE MORNING OF MONDAY, 13TH JANUARY 1919 at 7h. G.M.T.



TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



NOTES.

Aberdeen: Lunar Halo at night.

Notes on the Weather of the 24 hours ended 7h Today.

Fourteen millimetres of rain fell at Jersey, and nine at Valencia and Pembroke. The best records of sunshine were 4½ hours at Nairn and 3½ at Liverpool. Fog continued throughout the day at Tynemouth, and became fairly general over England during the night. The minimum temperature was 25° at Eskdalemuir, and 26° at Nairn and Benson. The maximum reached 50° at Scilly only.

The Conditions at 7h Today.

There is a shallow depression over the English Channel, and indications of a fresh disturbance off the west coast of Ireland. A deep depression is centred south-westwards of Iceland, and in this region the barometer has fallen considerably since yesterday evening. The wind is light over England and Scotland, mainly from the south in Scotland, but variable in direction in England. In the west of Ireland the wind is southerly, and has become fresh in force at Blacksod Point. There is a moderate to fresh NW wind at the mouth of the Channel.

Rain is falling in NE Ireland and in the Channel. In Scotland the weather is fine, but fog prevails generally over England, except in the south-west.

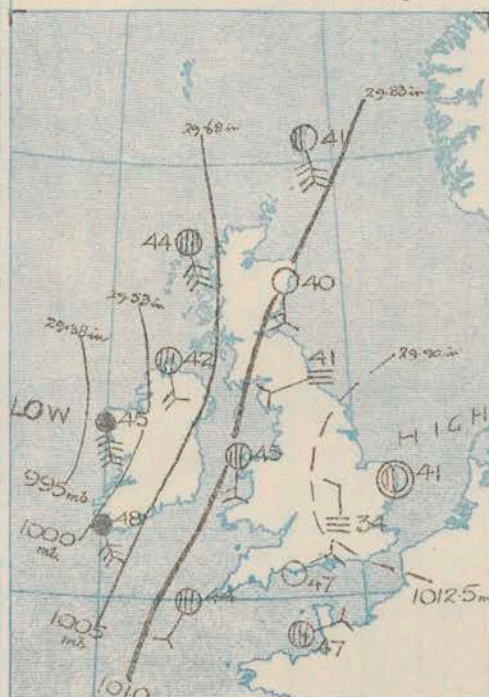
The temperature is below the freezing point in many parts of England and Scotland, but is up to 45° at Castlebay and Scilly.

The Outlook.

The Atlantic depression will cause unsettled weather over the western half of the United Kingdom, with moderate southerly breezes. It is not likely to affect the Eastern districts within the next 24 hours, where fair to dull, and foggy weather will continue, with a rather low temperature.

MONDAY, 13th

JANUARY, 1919, at 13h. (1p.m.) G.M.T.



The 13h reports from Ireland and belated 7 a.m. reports from Iceland and the Azores indicate that the depression to the west of Ireland is of much greater size and depth than appeared likely from the 7 hr chart. A considerable increase in the strength of the Southerly wind over the western half of the Kingdom may be expected, extending gradually eastwards, with gales from the Hebrides down to the mouth of the Channel, the weather becoming gradually milder and showery in all districts.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919. No.13.

Monday
13th January.

STATIONS.		EVENING OF 12 TH					MORNING OF 13 TH								24 HOURS ENDED 7 h. 13 TH					Sun- shine for 12 TH Hours.		
		Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
				Direc.	Force 0-12.				Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.	
BRITISH ISLANDS.	Lerwick ...	1000.5	39	WSW	3	bc	1008.7	+2	40	-1	SSE	4	-	bc	2	5	41	36	cmg	omab	bc	*
	Houton B. (Orkney) ...	1001.2	36	S	2	bc	1007.1	*	37	-1	SSE	4	-	b	1	*	40	34	omsg	b.bw	bca	*
	Stornoway ...	999.1	35	-	0	b3	1003.0	0	42	+6	S	4	-	c	3	1	42	33	b3	b3	bc.c	1.7
	Castlebay (Barra Isd.) ...	999.0	45	S	4	0	1003.1	0	45	+11	SSE	4	-	0	5	0.2	45	43	c.p.c	c.o	c.b.c	1.2
	Glasgow ...	1002.7	37	ESE	1	b3	1008.3	+2	32	-6	E	1	-	b	*	0.3	41	32	omab	ome	bc.b3	0.1
	Eskdalemuir ...	1003.1	35	-	0	om	1010.1	+2	25	-9	-	0	-	bx	*	0.2	37	25	og.ome	om.o.ome	om.c.b.c	0.0
	Malin Head ...	997.9	38	SSE	3	om	1003.9	+1	41	+1	SSE	3	-	og	3	-	42	37	c	c	c	1.4
	Blacksod Point ...	1000.0	42	WNW	4	bcp	1003.0	-5	42	+1	S	5	-	omg	5	2	46	38	c.p.	bcp	bcp.b.c	0.1
	Valencia (Cahirciveen) ...	1004.3	46	NW	4	b	1006.4	-4	43	+4	SSE	3	-	bc.c	3	9	46	35	c.o.c	c.b.c	bc.c	0.1
	Roche's Point ...	1001.4	44	WNW	4	c	1008.8	?	35	-1	E	1	-	0	2	6	47	34	b.ome	to.c	bx.o	*
	Birr Castle ...	1000.8	41	-	0	r	1007.3	*	33	-2	-	0	-	c	*	4	42	33	3og	or	or.c	0.0
	Donaghadee ...	998.8	37	SW	2	of	1006.6	+2	42	+7	S	2	-	ogmr	2	1	43	32	befm	bem.c	ofe.or	*
	Liverpool (Bidston) ...	1003.5	41	SSW	1	0	1007.8	+2	32	-4	SE	2	-	f	1	-	44	31	b	bem	ofx	3.5
	Holyhead ...	1002.2	42	SW	3	bc	997.7	+1	37	-6	-	0	-	bcmx	0	2	44	36	c.b.c	cg.b.c	bema	0.6
	Pembroke (St. Ann's) ...	1002.9	47	S	3	cp	1008.9	+5	43	-2	-	0	-	or	2	9	47	42	bc.w	bc.c.c	op.or	1.4
	Hartland Quay ...																					*
	Scilly (St. Mary's) ...	1004.4	49	SW	4	of	1010.3	+1	45	0	NW	4	NW	bc	5	1	50	44	b.c.c	c.p	cp.b.c	2.4
	Falmouth ...	1004.9	46	SSW	3	0	1009.3	+3	45	-4	NW	3	-	0	*	6	49	39	b.c.p.o	bu.c.o	op.og	2.2
	Jersey (St. Aubin) ...	1007.2	47	W	4	0	1005.6	0	47	-7	W	5	W	b	4	14	49	39	a.c.b.o	op.c.o	p.b.or.b	0.7
	Portland Bill ...	1004.9	47	W	3	c	1005.4	+2	45	-1	E	4	-	cp	3	6	49	45	b.c.c	c	cp	*
	Dungeness ...	1004.9	43	SSW	3	c	1008.2	+2	36	-7	N	2	-	b	2	1	44	33	c	cp.c	c.b.c	*
Wick ...	1000.9	35	SSW	2	bem	1007.1	+3	40	+1	S	2	-	b	3	-	41	33	om.b.c	bem	bemx	*	
Nairn ...	1000.6	30	-	0	bc	1006.4	*	27	-10	-	0	-	bx	0	-	38	26	cg.b.c	bc	bca	4.5	
Aberdeen ...	1001.7	33	WNW	1	b	1008.9	+3	29	-9	SSW	1	-	b3	2	-	39	27	bc.b3	bc.b3	b3	2.4	
Leith ...	1001.4	39	W	1	c	1008.7	+1	32	-6	SW	1	-	b3	1	-	41	32	ou.c.o	a.c.b.c	cg.og.b	*	
Tynemouth ...	1002.0	37	-	0	f	1009.0	+2	33	+1	-	0	-	f	2	-	39	32	f	f	f	*	
Spurn Head ...	1004.3	38	WSW	1	om	1010.5	+2	30	-4	-	0	-	fe	2	0.3	38	29	om	om	fe	0.0	
Yarmouth (Gorleston) ...	1005.0	40	SW	3	0	1009.0	+2	37	+2	-	0	-	f	1	2	43	34	bem.c	cp.ome	c.o	*	
Clacton-on-Sea ...	1005.2	41	SSW	3	c	1009.6	+3	30	-11	NW	2	-	f	1	0.3	42	29	c.op	og.c	bme.og	0.0	
Nottingham ...	1004.0	38	W	1	0	1010.2	*	30	-6	E	1	-	fe	*	0.3	39	29	adm	fmo	o.c	0.0	
Benson (Oxon.) ...	1004.1	36	SW	1	bc	1008.8	+2	27	-11	-	0	-	m	*	0.1	43	26	bc	bc	bmx	*	
St. Farnborough ...						1009.8	+3	29	-10	SE	2	-	fga	*	0.2	45	27	to.c.ome	-	obmfg	0.8	
Salisbury Plain ...	1005.5	39	W	1	0	1008.7	+1	37	-3	WNW	1	-	0	*	Trace	46	34	a.c.p.b.c	b.c.o	cp.o	*	
London (Kew Obs.) ...	1005.3	40	-	0	b	1004.7	+2	34	-5	-	0	-	fgw	*	Trace	45	31	or.c	c.b.c.bm	bmfw	0.2	
NORTHERN EUROPE.	Spitsbergen ...	1013.2	28	E	6	0	1016.2	+1	32	+7	SE	5	*	0	*	*	32	23				
	Vardö ...	1013.5	12	SSE	7	b	1031.3	0	16	-2	S	6	-	0	4	*	18	12				
	Gjesvær ...	1024.3	16	SE	7	0	1021.9	*	14	-6	SE	6	-	0	3	-	19	12				
	Bodö ...	1013.1	32	E	6	b	1018.1	+1	25	-7	E	4	-	bc	2	-	32	25				
	Christiansund ...	1008.4	36	SE	2	b	1012.8	+3	32	-5	E	2	-	b	2	-	37	28				
	Skudesnaes ...	1008.0	37	E	4	b	1013.1	+3	34	-3	E	1	-	b	2	-	39	34				
	Færder (X. Lanta Fjord) ...	1010.7	32	ENE	2	0	1013.3	+2	32	-2	NNE	5	-	0	2	3	34	30				
	The Scaw (Slagen) ...	1008.2	36	E	2	r	1010.9	+2	34	0	NE	3	-	c	3	3	37	32				
	Blaavands Huk ...	1008.6	34	SE	1	f	1012.7	+4	32	-2	SE	1	-	c	*	*	36	28				
	Copenhagen ...	1007.8	34	E	1	r	1011.0	+3	34	-2	E	2	-	f	*	2	36	32				
Bornholm ...	1008.2	34	S	2	0	1010.7	+3	34	-2	NW	3	-	0	1	Trace	37	32					
FRANCE, &c.	The Helder ...	1006.9	36	SSE	4	0	1009.5	+2	36	+2	SSE	2	-	m	1	*	41	34				
	C. Gris Nez ...	1006.4	39	S	3	r	1009.1	+1	39	0	SSE	2	*	0	*	2	43	34				
	La Hève ...	1009.6	45	SW	2	0	1008.4	0	43	+7	SSE	3	*	0	*	6	45	36				
	Brest (St. Mathieu) ...	1009.4	50	WSW	4	c	1010.4	+2	48	0	NW	5	*	0	*	2	50	41				
	Roche fort (Ile d'Aix) ...	1012.0	45	SW	4	r	1010.0	-2	50	+5	SW	6	*	0	*	4	52	43				
	Biarritz ...	1014.6	48	SSE	1	b	1014.4	+1	48	-2	SSW	3	*	0	*	3	52	45				
	Paris ...	1009.7	36	SSW	2	b	1011.4	+1	41	+4	S	2	*	0	*	-	41	36				
	Belfort ...						1016.2	*	34	0	WSW	2	*	0	*	5	39	34				
	Lyons ...	1013.9	43	-	0	0	1016.4	+1	34	-3	-	0	*	0	*	Trace	46	34				
	Nice ...	1015.3	45	-	0	0	1015.1	+1	41	0	E	2	*	0	*	-	52	39				
Perpignan ...	1015.3	43	-	0	bc	1016.0	+1	32	0	W	1	*	0	*	-	50	30					
Sanguinaire ...																						
IBERIA, &c.	Corunna ...																					
	Madrid ...																					
	Lisbon ...																					
	Azores (Horta) ...	1023.4	*	SW	6	m	1015.4	-4	61	?	SW	9	*	0	b	1	64	61				
	" (P. Delgada) ...		*																			
	Madeira ...																					
Gibraltar ...																						
MEDITERRANEAN.	Algiers ...	1016.6	52	-	0	0	1018.4	+2	48	-2	WSW	2	-	b	1	-	50	41				
	Malta ...	*	*	*	*	*	1017.7	+1	52	0	-	0	-	0	0	-	57	50				
	Salonica ...																					
	Athens ...																					

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- 3.3
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	24.5-28.1
11	64-75	28.5-33.5
12	Above 75	32.6 or above

BEAUFORT NOTATION.

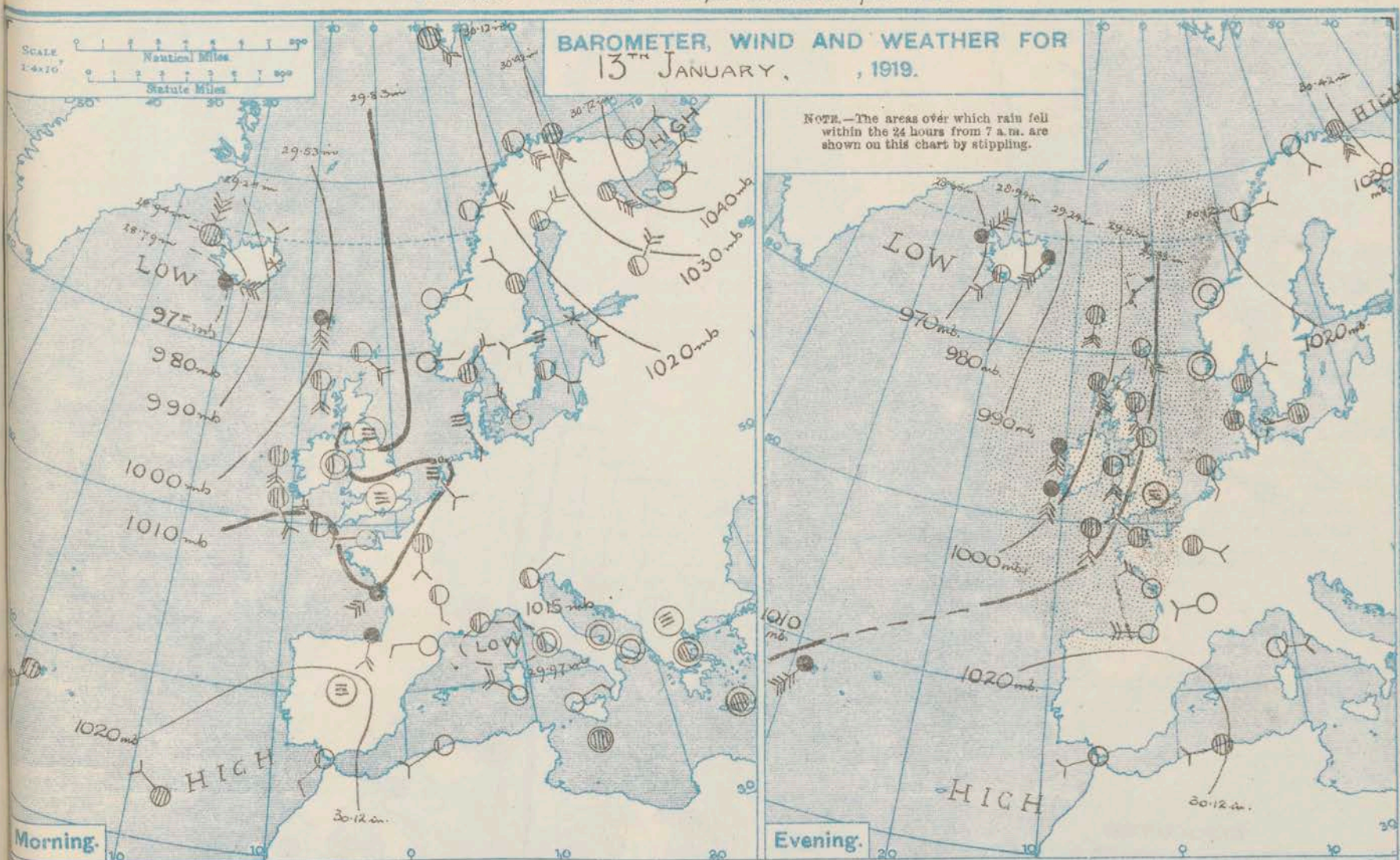
b blue sky (not more than a quarter covered),
bc sky partly cloudy - (one half covered),
c generally cloudy (three quarters covered),
d drizzle, or fine rain.
e wet air without rain falling.
f fog. g gloom.
h hail. i lightning.
m mist.
o overcast sky.
p passing showers.
q squalls.
r rain.
rs sleet, i.e., 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.

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20,872.

TUESDAY, 14TH JANUARY, 1919.

BAROMETER, WIND AND WEATHER FOR 13TH JANUARY, 1919.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 13TH JANUARY.

STATIONS.	EVENING OF 12 TH					MORNING OF 13 TH										MORNING OF 13 TH						
	BAROM. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
			Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Dirac.		Force 0-12.	Weather.
Orlov ...	*	*F. *	*	*	*	1042.6	-	*F. 5	*F. -5	-	0	c	-	*F. *	*F. *							
Kem ...	*	*	*	*	*	1036.3	-	1	-11	ENE	2	b	-	*	*							
Archangel ...	*	*	*	*	*	1042.1	+2	-26	-20	E	3	b	-	*	*							
Mesen...	*	*	*	*	*									*	*							
Haparanda ...						1036.3	*	9	-	NE	4	c	*	*	*							
Hernösand ...						1017.1	*	30	-	NW	2	o	*	*	*							
Stockholm ...						1011.7	*	36	-	E	2	f	*	*	*							
Wisby ...						1011.8	*	34	-	SE	2	c	*	*	*							
Sordovals ...						1025.3	*	12	-	NE	4	c	*	*	*							
Hangö ...						1014.9	*	28	-	SE	3	s	*	*	*							
TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM																						
14 TH & 15 TH JAN 1918.																Sunrise.	Noon.	Sunset.				
																G.M.T.	G.M.T.	G.M.T.				
Yarmouth ...																8.0	12.2	4.4				
																7.59	12.2	4.5				
Greenwich ...																8.2	12.9	4.16				
																8.1	12.9	4.17				
Wick ...																8.54	12.21	3.48				
																8.53	12.26	3.50				
Valencia ...																8.45	12.50	4.55				
																8.44	12.50	4.55				

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

14 TH & 15 TH JAN 1919.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth ...		8.0	12.2	4.4
Greenwich ...		7.59	12.2	4.5
Wick ...		8.2	12.9	4.16
Valencia ...		8.54	12.21	3.48
		8.53	12.36	3.50
		8.45	12.50	4.55
		8.44	12.50	4.56

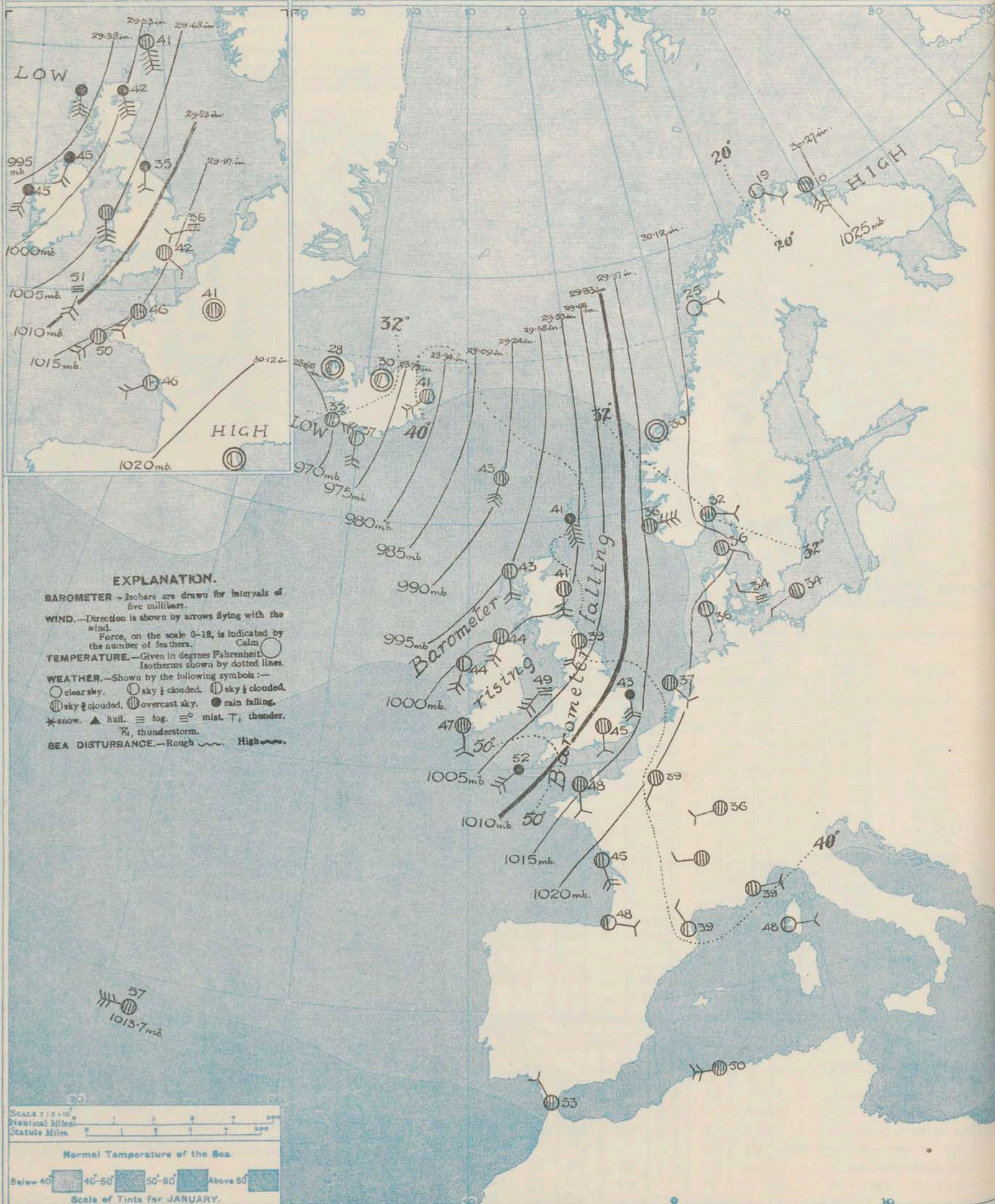
LONDON	HUMIDITY.		Sun-shine for 13 TH	TEMPERATURE.				Rain-fall.	WEATHER.		
	15 h.	9 h.		Max.	Min.	Min. on Grass	mm.		Morning.	Afternoon.	Night.
14 JANUARY 9h. G.M.T.	13 TH	14 TH	13 TH	°F.	°F.	°F.					
GREENWICH (Royal Observatory)	100	97	0.0	45	32	32	Trace		of	of	of od
CITY (Bunhill Row)	*	*	0.0	*	*	*	*		*	*	*
WESTMINSTER (St. James's Park)	93	93	0.0	47	34	33	-		*	*	*
" (Roof near Charing Cross)	93	95	0.0	46	35	*	Trace		ofe	ofe	ofe mod
CAMDEN SQ. (British Rainfall)	100	94	0.0	46	32	31	-		f	f	*
KENSINGTON PALACE	-	91	*	47	34	33	0.2		f	f	*
RICHMOND PARK	*	*	*	*	*	*	*		*	*	*

SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 13 TH		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
0	0	0

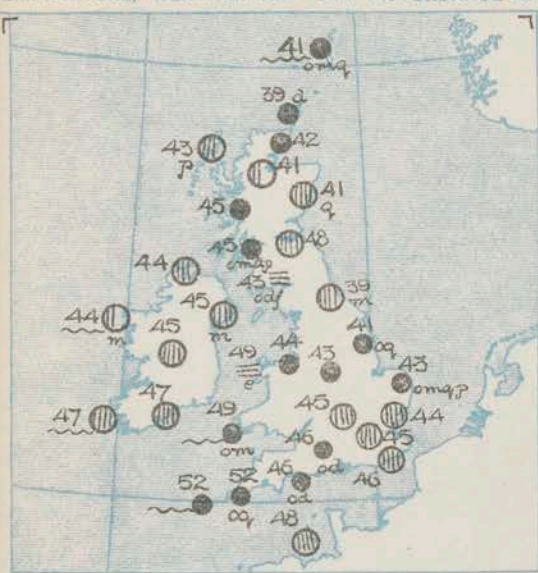
NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.

14th JAN, at 1h. G.M.T.

THE MORNING OF TUESDAY, 14th JANUARY 1919 at 7h. G.M.T.



GALES:
Lerwi
-7h
Houte
Wick
-5
Black
197



NOTES.

GALES:

Lerwick - SSE - 19h (13°)
- 7h (14°) Force 10 from 22h.

Houston - SSE, 9.

Wick - SSE, 8 - 19h (13°)
- 5h (14°).

Blackpool - SSE - 11h -
19h (13°).

LUNAR HALO at Portland
Bill at 1h.

Notes on the Weather of the 24 hours ended 7h. Today

The only station that did not experience rain was Dungeness. At Valencia the fall amounted to 20 mm; and at Eskdalemuir to 17 mm. In the south-east and east of England the fall was quite light, and in these regions fog continued throughout the day inland. The total of bright sunshine was nearly 6 hours at Jersey and 4½ hours at Eskdalemuir. The temperature was as low as 32° in the evening at Spurn Head and Nottingham, but became higher during the night.

The Conditions at 7h. Today

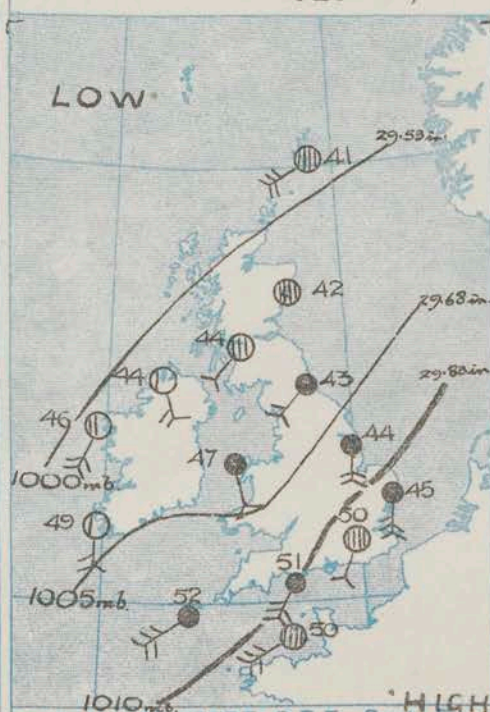
There is still a deep depression to the south-west of Iceland; the barometer is now rising slowly in Ireland and the west of Scotland, and is falling slowly over the eastern half of Great Britain. There is a tendency for the formation of secondary disturbances over the British Isles. The wind is everywhere Southerly, moderate or fresh in force, but strong to a gale in north-east Scotland and the Shetlands. The weather is dull, with rain at a large number of stations. There is fog at Holyhead and Eskdalemuir. The temperature is considerably higher than of late in England and Scotland.

The Outlook

The wind will moderate for a time generally and will blow from S. or SW. The weather will continue mild and dull, with rain at times.

J.H.

TUESDAY, 14th JANUARY, 1919, at 13h. (1p.m.) G.M.T.



There is no important development indicated on the 13h. chart, and the outlook is similar to what it was at 7h.

STATIONS.	EVENING OF... 13 TH ...					MORNING OF... 14 TH ...										24 HOURS ENDED 7 A.M. 14 TH ...							Sun- shine for 13 TH Hours.
	Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	TEMP.		WIND.	Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.							
			Dir.	Force 0-12.			Dry Bulb.	Change in 24 hours.						Dir.	Force 0-12.	Max.	Min.	Morning.	Afternoon.	Night.			
BRITISH ISLANDS.	Lerwick ...	1008.8	41	SSE	7	bcy	997.0	-3	41	+1	SSE	10	-	omr	6	2	42	38	bc	bcy	omg	*	
	Houton B. (Orkney) ...	1003.7	40	SSE	9	o	998.0	*	39	+2	S	5	-	d	*	*	*	*	c	z	r	*	
	Stornoway ...	997.7	45	SSE	7	oq	995.9	+4	43	+1	S	4	-	op	3	13	47	40	c.oq	oq	orq	0.0	
	Castlebay (Barra) ...																						
	Glasgow ...	1007.2	39	SE	2	om	1000.8	+2	45	+13	WSW	2	-	omdp	*	7	45	31	b.bc.cm	c.om	or.omp	1.0	
	Eskdalemuir ...	1009.4	35	SSE	3	om	1001.9	0	43	+18	SSW	5	-	odf	*	17	44	24	bx.o.bc	b.bc.om	omorm	4.5	
	Malin Head ...	995.9	42	SSE	4	orq	999.7	+3	44	+3	SSW	4	SW	c	4	4	45	41	cmg	orq	bcp	0.0	
	Blacksod Point ...	992.9	49	S	8	omr	1000.4	+2	44	+2	SSW	4	SW	bcm	6	10	50	36	omgr	omgr	om.bcm	0.0	
	Valencia (Cahirveen) ...	998.5	52	S	6	r	1003.8	+1	47	+4	S	3	-	o	5	20	53	42	or	or	r.o	0.0	
	Roche's Point ...	1004.3	48	S	6	dm	1004.2	0	47	+12	S	1	-	o	4	10	49	35	or	rdm	dfom	*	
	Birr Castle ...	1000.7	46	SSE	4	o	1002.5	*	45	+12	S	1	-	o	*	9	51	32	og	oro	oro	0.0	
	Donaghadee ...	1002.2	44	S	4	ogm	1002.0	+5	45	+3	SW	3	-	om	3	10	48	41	ogmr	ogm	omrqp	*	
	Liverpool (Bidston) ...	1010.8	35	SE	4	f	1004.8	-1	44	+12	SSE	4	-	r	3	6	45	32	bmf	f.bm	orq	0.3	
	Holyhead ...	1008.0	45	S	5	cq	1003.3	+1	49	+12	SW	5	-	fe	4	6	49	36	c.cq	bcm.c	c.orp	0.8	
	Pembroke (St. Ann's) ...	1010.6	46	S	4	or	1005.9	+1	49	+6	SSW	4	-	orm	5	12	51	43	cv	ov.or	ogr.or	0.5	
	Hartland Quay ...																						
	Scilly (St. Mary's) ...	1011.8	48	S	4	o	1008.4	-1	52	+7	SW	5	-	omr	6	2	52	44	bc.c	g.op	f.dmr	2.2	
	Falmouth ...	1013.2	46	S	4	or	1009.0	-1	52	+7	SSW	5	-	orq	*	3	52	44	cm	cv.o	dq.orq	1.8	
	Jersey (St. Aubin) ...	1014.1	48	WNW	2	o	1014.9	0	48	+1	S	3	-	o	3	0.4	51	47	b	bc.o	o.b.o.p	5.8	
	Portland Bill ...	1013.2	46	ESE	2	c	1011.0	-3	46	+1	SSW	5	-	od	4	1	48	45	bc.b	bc.c	c.od	*	
	Dungeness ...	1015.0	43	SE	2	o	1014.4	-1	46	+10	SW	4	SW	c	3	-	47	35	bc.c	c.o	o.c.o.c	*	
Wick ...	1004.7	42	SSE	6	bc	998.1	0	42	+2	S	5	-	r	6	3	44	39	bm.bcm	bcm	omrqp	*		
Nairn ...	1003.3	42	S	3	oz	998.2	*	41	+14	WSW	1	-	bc	1	1	44	27	b.bc	bc.cx	og.p	0.0		
Aberdeen ...	1008.6	42	SSE	4	o	999.9	-3	41	+12	S	5	-	oq	4	5	43	28	bx.x	b.bc.o	orq	3.2		
Leith ...	1007.8	38	E	1	o	999.4	-1	48	+16	SW	4	-	o	3	2	48	32	bm.c	c.bc.o	orq	*		
Tynemouth ...	1011.2	37	WSW	2	cm	1003.8	-2	39	+6	S	3	-	om	3	5	42	32	f	f	om	*		
Spurn Head ...	1014.1	32	S	2	f	1008.5	-3	41	+11	S	5	-	orq	3	2	41	30	fe	fe	om	0.0		
Yarmouth (Gorleston) ...	1015.3	38	-	0	f	1014.3	-5	43	+6	S	5	-	omyp	4	0.2	44	35	f.bcm	bcm.f	f.om	*		
Clacton-on-Sea ...	1015.6	37	NW	1	of	1014.7	-2	44	+14	SSE	4	-	o	3	0.3	44	29	of	of	o.fog	0.0		
Nottingham ...	1014.0	32	SSE	1	f	1008.9	*	43	+13	S	3	S	or	*	6	43	29	fe	fe	fe.mo	0.0		
Benson (Oxon.) ...	1014.6	33	S	1	f	1010.8	-4	45	+18	S	5	-	o	*	0.1	45	26	f	f	f.o	*		
Sth Farnborough ...					fe	1013.0	-2	44	+15	SSE	4	-	orm	*	1	45	27			feorm	0.0		
Salisbury Plain ...	1014.5	39	SE	1	o	1011.9	-2	46	+9	SSE	2	-	od	*	0.1	47	35	o.cm.bc	bm.co	o.od	*		
London (Kew Obs.) ...	1015.2	35	-	0	f	1012.9	2	45	+11	S	2	-	o	*	0.2	45	33	fe	fe	f.fe.to	0.0		
NORTHERN EUROPE.	Spitsbergen ...																						
	Vardö ...	1029.6	16	S	6	o	1024.8	-3	16	0	S	5	-	o	3	*	16	9					
	Gjesvær ...	1023.4	19	SE	2	b	1021.5	*	19	+5	SE	2	-	b	2	-	19	12					
	Bodö ...	1021.1	27	E	2	b	1020.2	-1	25	0	E	2	-	b	2	-	27	23					
	Christiansund ...	1018.3	34	-	0	b	1015.7	-0	30	-2	-	0	-	b	2	-	34	28					
	Skudesnaes ...	1017.5	32	-	0	b	1015.3	-3	36	+2	E	7	-	o	3	-	36	30					
	Færder (X'launfjord) ...	1017.9	32	NNE	4	o	1020.6	+1	32	0	ESE	1	-	o	1	-	32	32					
	The Scaw (Skagen) ...	1015.7	34	NE	2	o	1019.5	+1	36	+2	ESE	1	-	c	1	1	36	32					
	Blaavands Huk ...	1019.4	32	ESE	1	o	1022.0	+1	36	+4	S	1	-	c	*	-	36	28					
	Copenhagen ...	1015.8	36	WNW	2	o	1021.3	+3	34	0	WNW	1	-	f	*	1	36	32					
Bornholm ...	1016.3	36	W	3	b	1020.6	+2	34	0	WSW	1	W	c	-	2	36	32						
FRANCE, &c.	The Helder ...	1016.2	36	SSE	1	o	1018.7	0	37	+1	SE	2	-	o	*	-	37	34					
	C. Gris Nez ...	1023.8	39	SE	2	m	1016.4	-1	42	+3	S	4	-	o	*	-	43	36					
	La Hève ...	1014.6	43	ESE	2	o	1016.6	-1	43	0	S	4	-	o	*	3	?	?					
	Brest (St. Mathieu) ...	1016.3	46	SW	3	bc	1014.6	0	52	+4	SSW	5	-	o	*	-	52	46					
	Rochefort (Ile d'Aix) ...	1017.3	48	NW	3	b	1021.5	0	45	-5	SSE	4	-	c	*	4	50	45					
	Biarritz ...	1019.8	52	WNW	4	b	1022.0	+0	48	0	ESE	2	-	bc	*	2	52	46					
	Paris ...	1015.3	43	ESE	2	o	1020.7	+2	39	-2	SSW	1	-	o	*	2	46	39					
	Belfort ...						1024.3	*	36	+2	WSW	2	-	o	*	1	41	34					
	Lyons ...	1017.5	39	-	0	b	1024.3	+2	37	+3	-	0	-	o	*	TRACE	45	37					
	Nice ...						1023.1	+4	39	-2	E	2	-	c	*	-	50	39					
Perpignan ...						1023.8	+3	39	+7	NW	1	-	bc	*	-	52	37						
Sanguinaire ...	1017.1	48	E	2	b	1022.0	+1	48	?	E	2	-	b	*	-	54	50						
IBERIA, &c.	Corunna ...																						
	Madrid ...																						
	Lisbon ...																						
	Azores (Horta) ...	1011.4	*	SW	9	r	1013.7	0	57	-4	WSW	7	-	o	6	7	63	55					
	" (P. Delgada) ...		*																				
Madeira ...																							
Gibraltar ...	1021.7	57	WSW	2	bc	1022.7	*	53	?	NW	2	-	c	2	4	58	51						
MEDITERRANEAN.	Algiers ...	1020.0	50	WSW	2	o	1022.7	+2	50	+2	W	4	-	o	4	6	5	46					
	Malta ...		*	*	*	*																	
	Salonica ...																						
	Athens ...																						
	Candia ...																						
	Limassol ...		*	*	*																		

THE BEAUFORT SCALE OF WIND FORCE.

No.	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.3
1	1-3	0.3-1.5
2	4-7	1.6-3.8
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	32-39	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

BEAUFORT NOTATION.

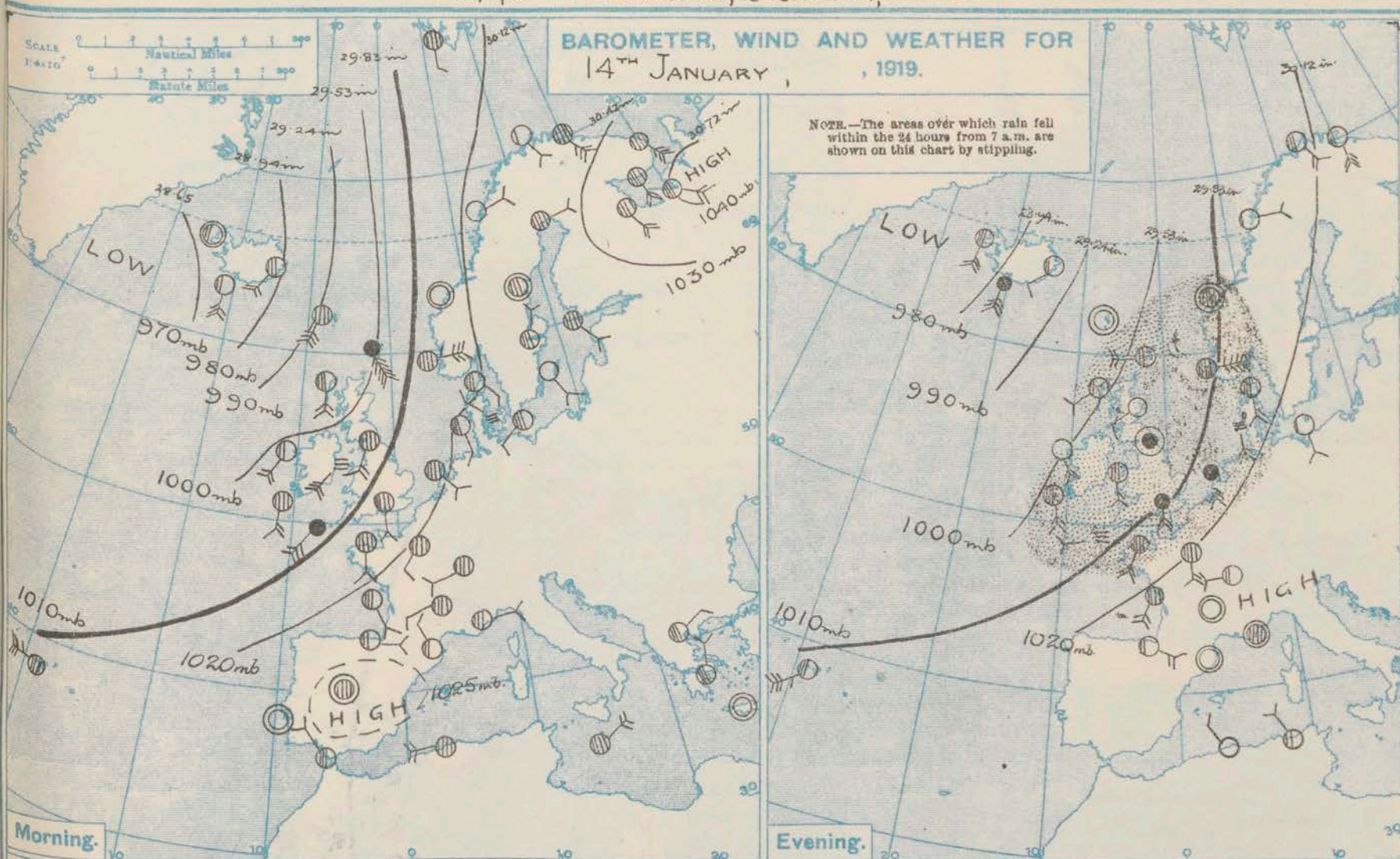
b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three quarters covered).
d drizzle, or fine rain.
e wet air without rain falling.
f fog.
g gloom.
h hail.
i lightning.
m mist.
o overcast sky.
p passing showers.
q squalls.
r rain.
rs sleet, i.e., rain and snow together.
s snow.
t thunder.
u ugly

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,873

WEDNESDAY, 15TH JANUARY, 1919.

BAROMETER, WIND AND WEATHER FOR 14TH JANUARY, 1919.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 14TH JANUARY.

STATIONS.	EVENING OF 13 TH					MORNING OF 14 TH										MORNING OF 14 TH					
	Barom. Millibars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain-fall. Millimetres.	TEMP.		ICELAND.	Barom. Millibars at M.S.L.	TEMP.		WIND.		Weather.
			Dirac.	Force 0-12.		Millibars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.		Weather.	Max.		Min.			Dry Bulb.	Change in 24 hours.		Dirac.	Force 0-12.
RUSSIA.		* F.						* F.					* F.	* F.			* F.	* F.			
Orlov ...	*	*	*	*	*	1035.9	?	?	SSE	6	a		*	*	Isafjord ...	973.7	28	-6	-	0	bc
Kem ...	*	*	*	*	*	1033.2		3	+2	SE	2	o		*	Reykjavik	970.3	32	-2	ESE	5	c
Archangel ...	*	*	*	*	*	1040.8		-11	+15	E	4	c		*	Vestmanna	973.1	37	+1	S	5	bc
Mesen ...	*	*	*	*	*									*	Seydisfjord	977.2	41	+16	SW	4	c
SWEDEN.															Thorshavn	989.9	43	-5	SSW	6	o
Haparanda ...						1027.5	*	5	-4	E	2	a	*	*							
Hernösand ...						1024.8	*	19	-11	-	0	c	*	*							
Stockholm ...						1021.5	*	28	-8	NNE	2	c	*	*							
Wisby ...						1020.8	*	30	-4	SSE	2	b	*	*							
Sordovalva ...						1027.9	*	10	-2	ENE	2	s	*	*							
Hangö ...						1022.3	*	27	-1	SE	2	o	*	*							
ITALY.															TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.						
Venice ...							*								15 TH and 16 TH JAN. 1919.	Sunrise.	Noon.	Sunset.			
Turin ...							*									G.M.T.	G.M.T.	G.M.T.			
Pesaro ...							*								Yarmouth ...	7.59	12.2	4.5			
Leghorn ...							*									7.58	12.3	4.7			
Rome ...							*								Greenwich ...	8.1	12.9	4.17			
Viesti ...							*									8.1	12.10	4.19			
Brindisi ...							*								Wick ...	8.53	12.21	3.50			
Cagliari ...							*									8.52	12.22	3.52			
Palermo ...							*								Valencia ...	8.42	12.50	4.56			
Tripoli ...							*									8.43	12.51	4.57			

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

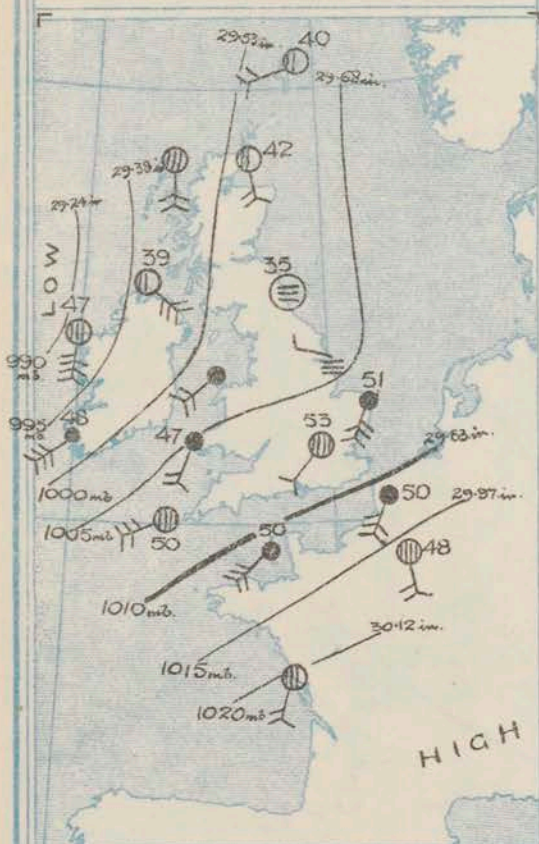
15 TH JAN 1919.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.59	12.2	4.5
Greenwich ...	7.58	12.3	4.7
Wick ...	8.1	12.9	4.17
Valencia ...	8.53	12.21	3.50
	8.52	12.22	3.52
	8.44	12.50	4.56
	8.43	12.51	4.57

LONDON		HUMIDITY.		Sun-shine for 14 TH Hours.	TEMPERATURE.				Rain-fall. mm.	WEATHER.		
15 TH JANUARY. 9h. G.M.T.	14 TH	15 TH	14 TH	Max. °F.	Min. °F.	Min. on Grass °F.				Morning.	Afternoon.	Night.
GREENWICH (Royal Observatory)	97	94	0.0	52	45	44	6	o	a.c. or.	or.o.		
CITY (Bunhill Row)	*	*	0.0	*	*	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	93	90	0.0	54	47	43	5	*	*	*	*	*
" (Roof near Charing Cross)	97	92	0.0	53	46	*	5	omd	or.g.	or.od.		
CAMDEN SQ. (British Rainfall)	100	92	0.0	52	45	39	6	a.or.	or.	*		
KENSINGTON PALACE	*	91	*	53	47	35	5	or.	or.	*		
RICHMOND PARK	*	*	0.0	*	*	*	*	*	*	*	*	*

SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 14 TH ...		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
70	2.4	9

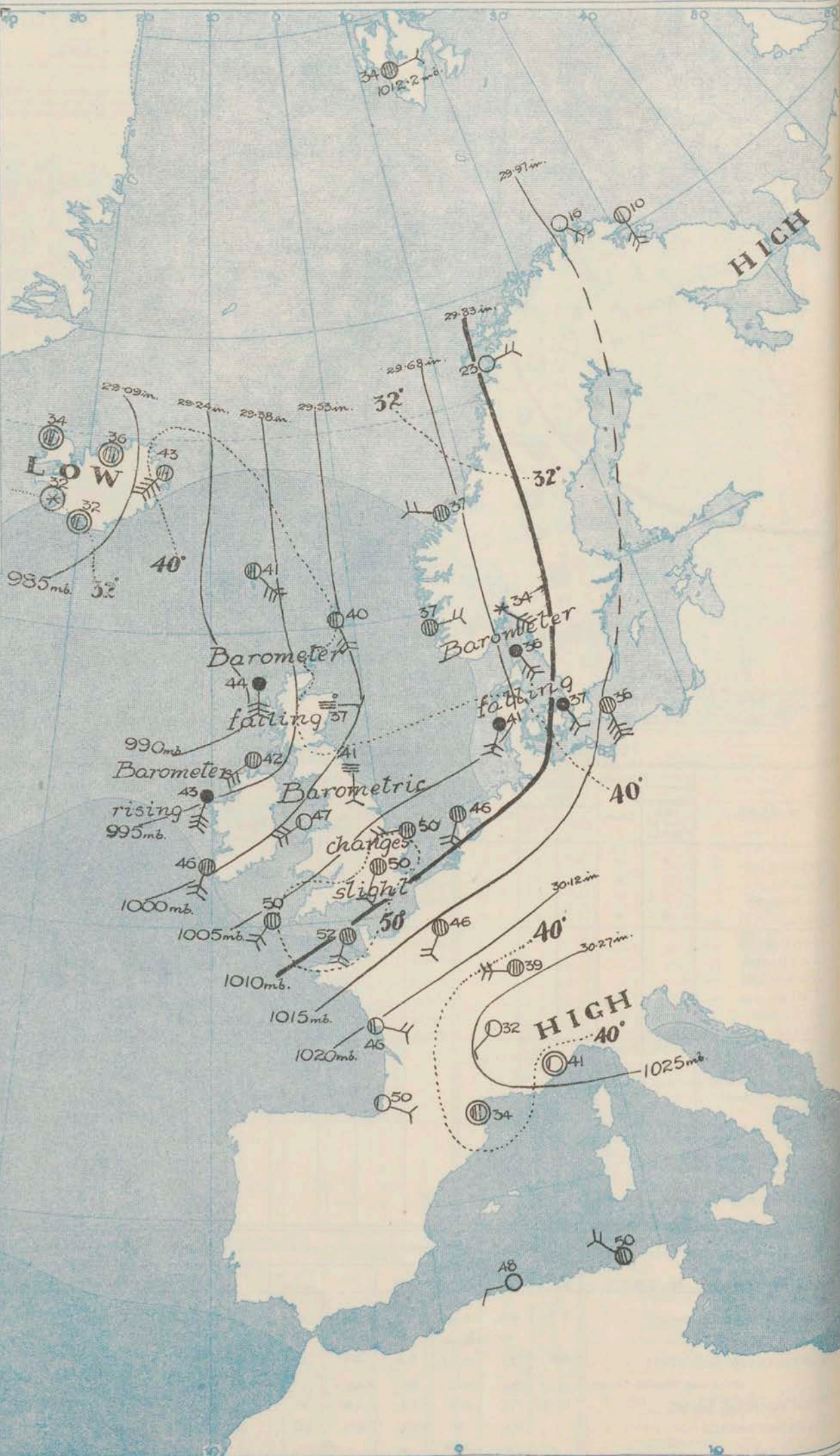
15TH JAN, at 1h. G.M.T.

THE MORNING OF WEDNESDAY, 15TH JANUARY 1919 at 7h. G.M.T.

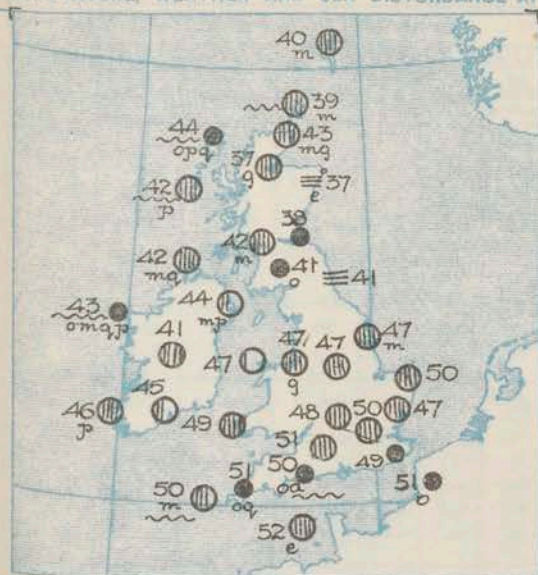


EXPLANATION.

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.
TEMPERATURE.—Given in degrees Fahrenheit.
 Isotherms shown by dotted lines.
WEATHER.—Shown by the following symbols:—
 ○ clear sky. ○ sky & clouded. ○ sky & clouded.
 ⊕ sky & clouded. ⊕ overcast sky. ● rain falling.
 * snow. ▲ hail. ≡ fog. ≡ mist. T, thunder.
 T, thunderstorm.
SEA DISTURBANCE.—Rough wavy line. High wavy line.



TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



NOTES.

Notes on the Weather of the 24 hours ended 7h. Today

Rain fell generally, 22 mm. at Falmouth, 14 mm. at Spurn Head, and 10 mm. or more at some other English stations. Sunshine amounted to $5\frac{1}{2}$ hours at Malin Head, and to $3\frac{1}{2}$ hours at Nairn; in many places there was none. There was fog throughout the day at Pembroke and Tynemouth. The temperature remained mild.

The Conditions at 7h. Today

There is still a depression in the neighbourhood of Iceland. A secondary disturbance is indicated off the Hebrides, which is causing a fall of the barometer in Scotland. The wind is from S. or SW, fresh in force locally in the United Kingdom. The weather is fine in parts of Ireland and at Holyhead, but is dull elsewhere, with local rain. There is some mist or fog in Scotland and the north of England. The temperature is between 40° and 50° generally, but is only about 37° in E. Scotland.

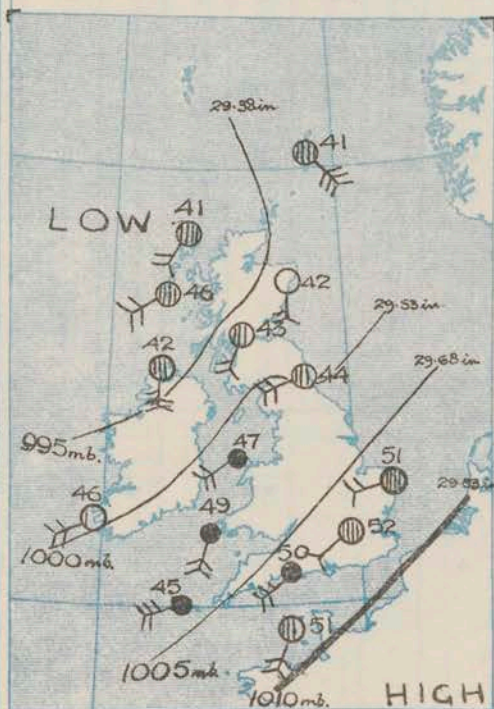
The Outlook

Secondary depressions will maintain showery weather generally, the wind continuing to blow from S. or SW, fresh or strong in force at times over the northern half of the Kingdom, but mainly moderate in the south. The temperature will continue to be mild.

H. J.

WEDNESDAY, 15th

JANUARY, 1919, at 13h. (1p.m.) G.M.T.



The 13h map indicates little change since this morning, and the outlook is similar to what it was at 7h..

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919. No.15...

WEDNESDAY,
15TH JANUARY.

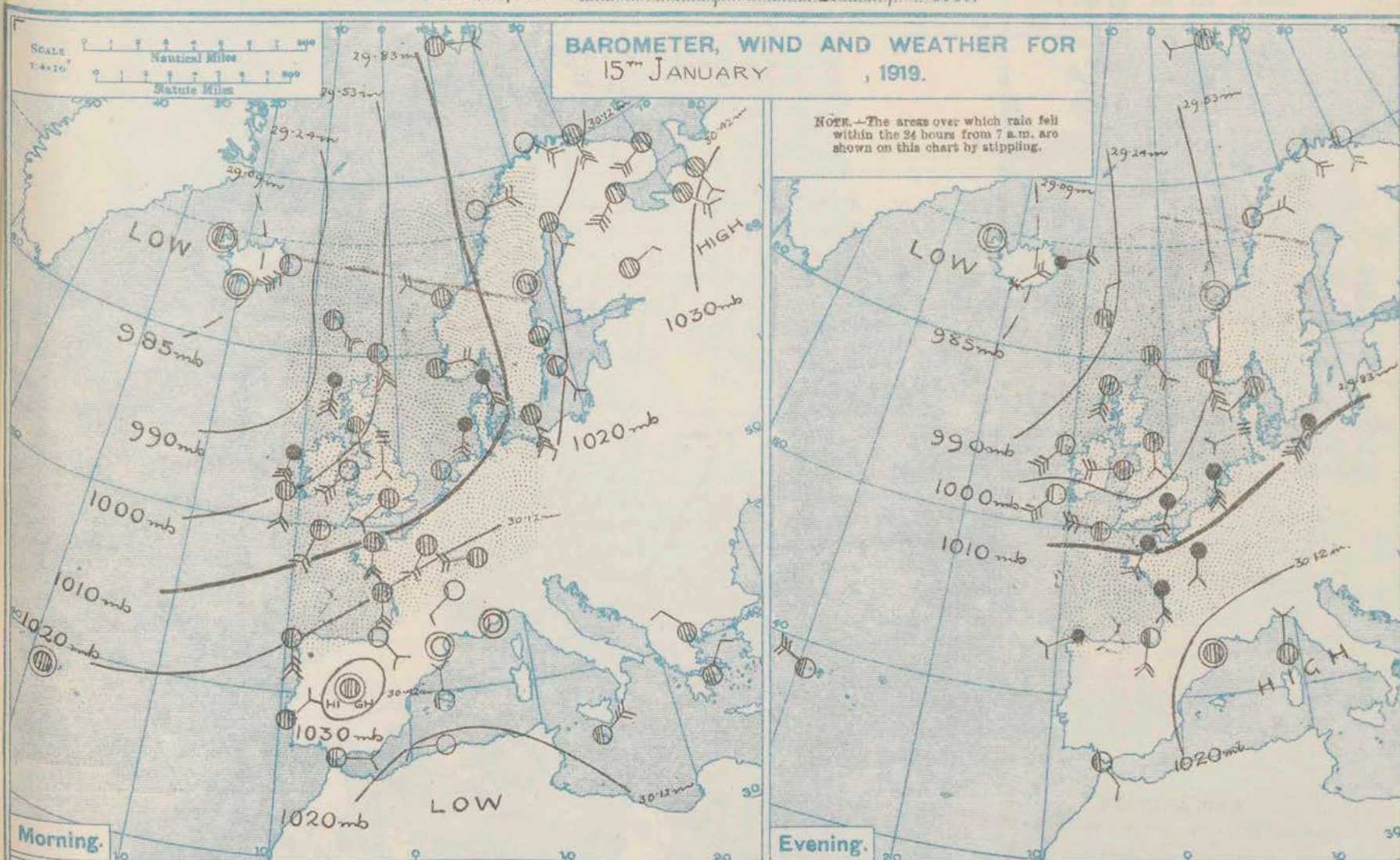
STATIONS.		EVENING OF...14 TH ...					MORNING OF...15 TH ...								24 HOURS ENDED 7 h.15 TH ...							Sun- shine for 14 TH Hours.
		Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barometer.		TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.	
BRITISH ISLANDS.	Lerwick ...	1001.3	40	W	4	bcm	1000.1	-2	40	-1	SSE	5	-	cm	2	4	42	37	omr	cm	cm	*
	Houton B. (Orkney) ...	1002.2	39	W	3	bc	996.3	-7	39	0	SE	7	+	of	5	4	42	36	omr	bz	c.og.	*
	Stornoway ...	999.6	44	SW	2	bc	990.4	-7	44	+1	S	6	-	of	5	1	45	39	b	bc	b. of	2.8
	Castlebay (Barra Isd.) ...	1000.3	41	SSW	4	ch	990.1	-1	42	?	WSW	4	-	of	5	6	46	41	b. of.	of. bch.	ch. of.	0.2
	Glasgow ...	1004.2	42	W	1	om	997.3	-4	42	-3	SSE	1	-	om	1	45	33	a. cm.	c. om.	c. of.	0.0	
	Esksdalemuir ...	1004.2	38	-	0	om	999.1	-6	41	-2	SSW	5	-	or	4	44	34	od. f. c.	o. om.	om. of.	0.0	
	Malin Head ...	1001.4	42	SSE	3	bm	991.7	0	42	-2	SW	5	-	omg	4	44	37	bm	bm	cmg.	5.4	
	Elacksod Point ...	999.5	45	SSE	4	bz	994.8	+5	43	-1	SSW	6	-	omg	6	2	48	39	bz	bz	gh. of.	1.6
	Valencia (Cahirciveen) ...	1001.7	47	S	4	c	999.2	0	46	-1	SSW	4	-	of	1	50	44	o. b	b. b. c.	gh. of.	1.6	
	Roche's Point ...	1003.8	47	SW	2	o	1001.7	0	45	-2	S	3	-	b	3	5	48	44	om. a.	a. c. d.	of. d. b.	*
	Birr Castle ...	1002.5	41	S	1	c	999.0	*	41	-4	S	1	-	c	*	47	38	a. c.	z. c.	c	1.0	
	Donaghadee ...	1003.6	41	SSW	1	bmw	997.2	0	44	-1	SSW	4	S	bcmf	3	2	47	34	om.	om. bcm.	of. omf.	*
	Liverpool (Bidston) ...	1003.5	45	ENE	1	o	1002.5	-1	47	+3	S	3	-	og	2	10	49	42	r.	or.	n. og.	0.0
	Holyhead ...	1003.7	46	S	3	c	1001.2	+1	47	-2	SW	5	-	b	4	8	49	46	fr. or	om. a. c.	of. d. f.	0.0
	Pembroke (St. Ann's) ...	1004.6	47	-	0	of	1004.4	+1	49	0	SSW	3	-	o	4	4	47	47	om. fr.	fr. f.	of. d. a.	0.0
	Hartland Quay ...	1004.6	47	-	0	of	1004.4	+1	49	0	SSW	3	-	o	4	4	47	47	om. fr.	fr. f.	of. d. a.	0.0
	Scilly (St. Mary's) ...	1005.9	50	W	2	f	1007.1	0	50	-2	SW	4	SW	cm	5	8	52	48	omr.	fd.	o. cm.	0.0
	Falmouth ...	1005.7	52	SW	7	r	1007.7	+1	51	-1	SW	4	-	org	*	22	52	48	rg.	rg.	eg. d. o.	0.0
	Jersey (St. Aubin) ...	1013.4	52	SSW	4	oe	1011.2	-1	52	+4	SSW	4	-	oe	4	2	52	48	oe	oe. d. oe.	oe. d. oe.	0.0
	Portland Bill ...	1007.6	50	SSW	6	or	1008.0	0	50	+4	WSW	5	-	od	5	11	51	46	od.	or.	or	*
	Dungeness ...	1010.4	49	SW	5	r	1009.8	+2	49	+3	SW	5	-	or	5	8	50	45	ch. a.	or.	or	*
Wick ...	1002.1	37	SSW	2	bm	998.0	-5	43	+1	SSE	5	-	omg	5	0.4	43	34	omf. k.	bc. bm.	bm. omg.	*	
Nairn ...	1002.2	36	-	0	bc	995.2	*	37	-4	-	0	-	og	1	0	43	30	bc	bc	bc. c.	3.6	
Aberdeen ...	1003.2	36	WSW	1	bz	999.1	-4	37	-4	E	1	-	ome	2	0.1	43	30	om. bc. a.	o. c. bc.	bx. c.	1.0	
Leith ...	1003.1	42	SW	1	b	997.9	-2	38	-10	SSE	1	-	r	1	0.4	49	32	ocm. o. c.	c. o. c. b.	bm. od.	*	
Tynemouth ...	1003.8	45	-	0	f	1000.8	-2	41	+2	S	2	-	rg	3	2	45	35	fr.	fr.	f.	*	
Spurn Head ...	1004.4	45	S	4	or	1004.8	0	44	+3	SW	4	-	om	4	14	46	40	om.	or.	fr. om.	0.0	
Yarmouth (Gorleston) ...	1008.6	48	SSW	6	omf	1007.7	+2	50	+7	WSW	3	-	o	4	7	51	42	omf.	omf.	omf. o.	*	
Clacton-on-Sea ...	1009.7	46	SSE	4	omg	1009.0	+2	47	+3	SSW	3	SW	c	2	4	48	43	ogm	ogm. d.	ogm. c.	0.0	
Nottingham ...	1004.1	51	S	2	or	1005.1	*	47	+4	SW	2	SW	o	*	12	51	43	r.	r.	r. d.	0.0	
Benson (Oxon.) ...	1006.5	50	S	4	r	1007.2	+1	48	+3	SSW	3	-	o	*	5	51	44	od.	or.	r. h.	*	
Sth Farnborough ...	-	-	S	4	o	1008.6	0	50	+6	SW	5	-	o	*	5	51	44	-	-	or. a.	0.0	
Salisbury Plain ...	1007.8	52	SSE	3	r	1008.1	0	51	+5	WSW	4	-	o	*	10	52	43	od. rd.	or.	od. o.	*	
London (Kew Obs.) ...	1008.1	51	S	4	or	1008.5	+1	50	+5	SSW	2	-	o	*	5	51	45	od. rd.	or.	or. a.	0.0	
NORTHERN EUROPE.	Spitsbergen ...	1010.6	34	SSE	5	c	1012.2	0	34	+6	E	2	*	o	*	34	28	*	*	*	*	
	Vardö ...	1020.8	14	S	5	bc	1018.9	-1	10	-6	S	5	-	b	?	?	?	?	*	*	*	*
	Gjesvær ...	1019.4	19	SE	3	c	1015.8	*	16	-3	SE	4	-	b	1	-	21	16	*	*	*	*
	Bodö ...	1015.5	25	E	2	b	1010.4	-3	23	-2	E	4	-	b	2	-	25	19	*	*	*	*
	Christiansund ...	1008.4	37	-	0	o	1008.4	-3	37	+7	WNW	3	-	o	3	-	37	30	*	*	*	*
	Skudesnaes ...	1009.1	37	E	8	o	1001.1	-3	37	+1	E	3	-	o	2	10	37	36	*	*	*	*
	Færder (K'aula Fjord) ...	1019.1	36	SSE	4	o	1006.6	-7	34	+2	SE	6	-	s	3	?	36	32	*	*	*	*
	The Scaw (Skagen) ...	1019.8	36	S	3	c	1005.5	-5	36	0	SSE	5	-	r	5	5	37	34	*	*	*	*
	Blaavands Huk ...	1016.4	36	S	4	m	1004.3	-3	41	+5	SSW	4	-	r	*	9	37	32	*	*	*	*
	Copenhagen ...	1023.1	34	S	1	o	1012.7	-3	37	+3	SSE	3	-	r	*	Trace	37	32	*	*	*	*
Bornholm ...	1023.7	32	S	2	b	1016.3	-7	36	+2	S	7	-	o	1	-	36	30	*	*	*	*	
FRANCE, &c.	The Helder ...	1011.9	41	S	5	r	1007.0	+1	46	+9	SSW	4	-	o	4	10	46	37	*	*	*	*
	C. Gris Nez ...	1012.2	46	S	5	o	1011.3	+1	?	?	SW	?	-	?	*	5	48	45	*	*	*	*
	La Hève ...	-	-	-	-	-	-	-	-	-	-	-	-	-	*	-	-	-	*	*	*	*
	Brest (St. Mathien) ...	1011.7	52	SW	5	r	1010.7	+1	52	0	SW	4	-	c	*	2	54	45	*	*	*	*
	Rochefort (Ile d'Aix) ...	1021.6	50	SSW	4	o	1020.4	0	46	+1	S	4	-	o	*	-	54	43	*	*	*	*
	Biarritz ...	1021.3	52	ESE	3	bc	1021.0	-1	50	+2	SE	2	-	b	*	-	59	48	*	*	*	*
	Paris ...	1019.9	46	S	3	o	1017.7	0	46	+7	SSW	3	-	o	*	1	48	39	*	*	*	*
	Belfort ...	1025.9	37	W	2	bc	1024.7	*	39	+3	W	4	-	o	*	-	44	34	*	*	*	*
	Lyons ...	1025.3	41	-	0	b	1026.1	+1	32	-5	-	0	-	b	*	-	46	32	*	*	*	*
	Nice ...	1024.8	43	-	0	o	1027.1	+2	41	+2	-	0	-	b	*	-	50	39	*	*	*	*
Perpignan ...	1024.7	43	-	0	b	1013.2	+1	34	-5	-	0	-	c	*	-	54	32	*	*	*	*	
Sanguinaire ...	-	-	-	-	-	-	-	-	-	-	-	-	-	*	-	-	-	*	*	*	*	
IBERIA, &c.	Corunna ...	-	-	-	-	-	-	-	-	-	-	-	-	-	*	-	-	-	*	*	*	*
	Madrid ...	-	-	-	-	-	-	-	-	-	-	-	-	-	*	-	-	-	*	*	*	*
	Lisbon ...	-	-	-	-	-	-	-	-	-	-	-	-	-	*	-	-	-	*	*	*	*
	Azores (Horta) ...	1015.9	*	WSW	7	c	1024.2	+3	52	-5	-	0	-	o	2	1	61	52	*	*	*	*
	„ (P. Delgada) ...	-	-	-	-	-	-	-	-	-	-	-	-	-	*	-	-	-	*	*	*	*
Madeira ...	-	-	-	-	-	-	-	-	-	-	-	-	-	*	-	-	-	*	*	*	*	
Gibraltar ...	-	-	-	-	-	-	-	-	-	-	-	-	-	*	-	-	-	*	*	*	*	

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

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,874. THURSDAY, 16th JANUARY, 1919.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 15th January

STATIONS.	EVENING OF... 14 th ...					MORNING OF... 15 th ...										MORNING OF... 15 th ...							
	BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.		
			Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Direc.		Force 0-12.	
		°F.						°F.	°F.					°F.	°F.			°F.	°F.				
RUSSIA.																							
Orlov ...	*	*	*	*	*	1022.4	-	12	-	SW	5	0	-	*	*		Isafjord ...	982.6	34	+6	-	0	c
Kem ...	*	*	*	*	*	1026.6	-	10	+7	SW	7	0		*	*		Reykjavik ...	981.2	32	0	-	0	s
Archangel ...	*	*	*	*	*	1029.1	+1	7	+13	SSW	2	0	1	*	*		Vestmanna ...	981.0	32	-5	-	0	bc
Mesen...	*	*	*	*	*									*	*		Seydisfjord ...	987.9	43	+2	SW	8	c
SWEDEN.																	Thorshavn ...	994.6	41	-2	SE	5	c
Haparanda ...						1020.0	*	13	+13	SSE	2	0	*	*	*								
Hernösand ...						1015.9	*	30	+11	-	0	0	*	*	*								
Stockholm ...						1019.7	*	30	+2	SSE	2	0	*	*	*								
Wisby ...						1020.7	*	30	0	SSE	2	0	*	*	*								
Söderåkra ...						1026.7	*	14	+4	E	1	0	*	*	*								
Hangö ...						1023.5	*	30	+3	S	2	0	*	*	*								
ITALY.																	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM						
Venice ...							*										16 th and 17 th Jan 1919.		Sunrise.	Noon.	Sunset.		
Turin ...							*											G.M.T.	G.M.T.	G.M.T.			
Pesaro ...							*																
Leghorn ...							*																
Rome ...							*																
Viesti ...							*																
Brindisi ...							*																
Cagliari ...							*																
Palermo ...							*																
Tripoli ...							*																
Yarmouth ...																							
Greenwich ...																							
Wick ...																							
Valencia ...																							

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

16 th and 17 th Jan 1919.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	...	7.58	12.3	4.7
Greenwich ...	...	7.57	12.3	4.9
Wick ...	...	8.0	12.10	4.21
Valencia ...	...	8.52	12.22	3.52
		8.50	12.22	3.54
		8.43	12.51	4.58
		8.42	12.51	5.0

LONDON		Humidity.		Sunshine for		TEMPERATURE.			WEATHER.		
16 th January 9h. G.M.T.		15h.	9h.	15h.	16h.	Max.	Min.	Min. on Grass.	Morning.	Afternoon.	Night.
GREENWICH (Royal Observatory)	...	87	84	0.5	54	39	32	4.0	0.5	cd	or
CITY (Bunhill Row)	...	*	*	0.2	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	...	85	83	0.0	55	40	33	6.0	*	*	*
" (Roof near Charing Cross)	...	86	86	0.2	54	41	*	6.0	omd	od, c	or, od
CAMDEN SQ. (British Rainfall)	...	87	82	0.1	54	39	32	5.0	0	0, or	*
KENSINGTON PALACE	...	-	84	*	54	37	29	6.0	0	of	*
RICHMOND PARK	...	*	*	*	*	*	*	*	*	*	*

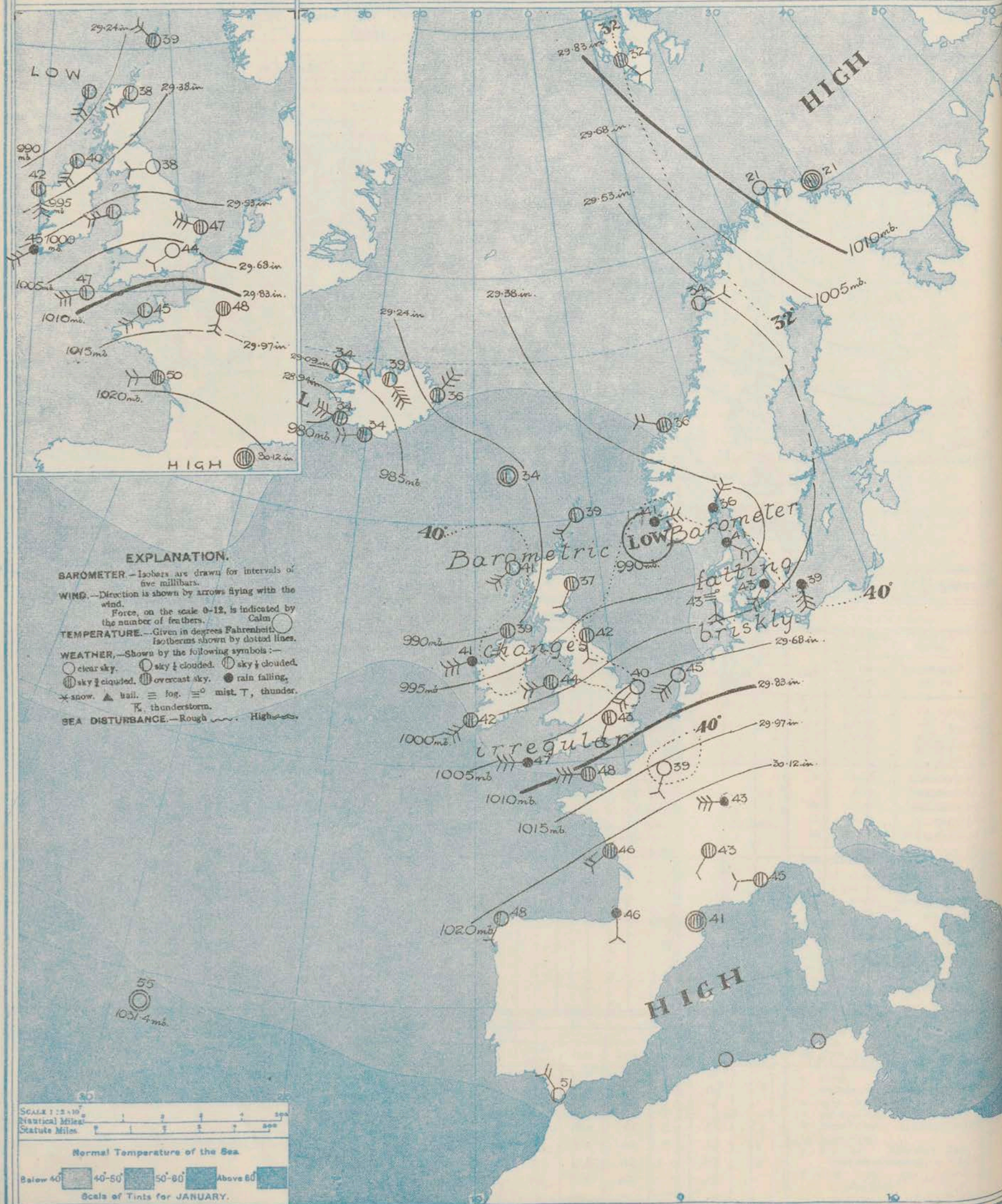
SOUTH KENSINGTON (M.O.)

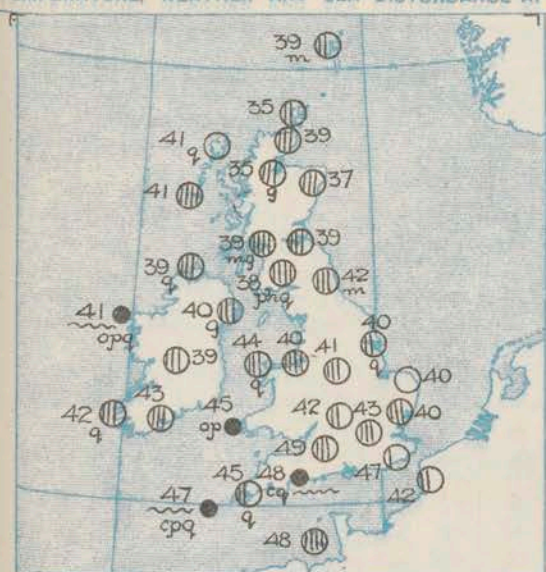
Vertical Component of Solar Radiation per square Centimetre during 15th...

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
170	5.7	18

16th JAN, at 1h. G.M.T.

THE MORNING OF THURSDAY, 16th JANUARY 1919 at 7h. G.M.T.





NOTES.

ESKDALEMUIR: Lunar Halo
at 22h. (15°)
EDINBURGH: --- 23h.
SPURN HEAD: --- 2h.
BENSON: Line Squall
at 20h. 5m.
(15°)

Notes on the Weather of the 24 hours ended 7h. Today

Rain fell generally, 15 mm. at Pembroke, and 10 mm. or more at some other stations. There were hail showers locally in the north and west. Sunshine records were rather poor, nearly 4 hours at Nairn, and 3 hours at Valencia and Liverpool being the best. The maximum temperature was everywhere above 40°, and over 50° at most English stations.

The Conditions prevailing at 7h.

There is still a depression over Iceland, and there is a secondary to the south of Norway, which is travelling towards the east or north-east. The changes of the barometer over the United Kingdom are irregular. The wind is from about SW, moderate or fresh in force generally, but strong in the Channel and Southern North Sea. Cloudy to showery weather prevails, precipitation being mainly in the form of hail in the west of Ireland and in parts of Scotland. The temperature is nearly everywhere several degrees lower than it was yesterday morning.

The Outlook

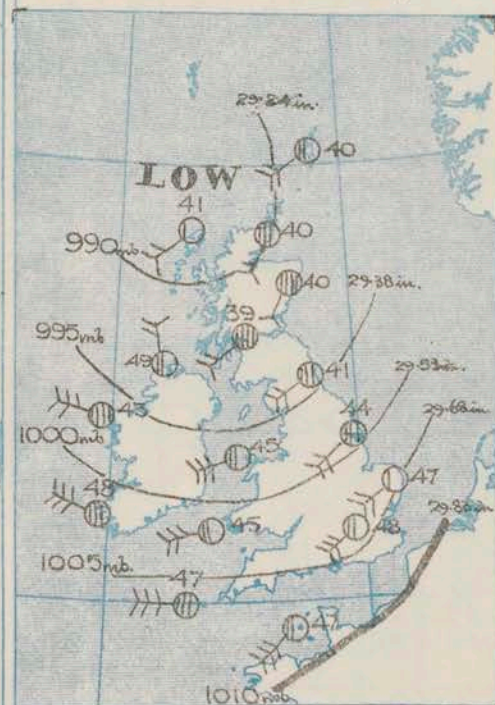
Conditions still favour unsettled weather, with fresh or strong squally winds from about SW., and a moderate temperature.

H. H.



THURSDAY, 16th

JANUARY, 1919, at 13h. (1p.m.) G.M.T.



The 13h. map shows a secondary depression crossing the British Isles, which will cause a temporary veering of the wind to NW. in the west, and to W. over the eastern counties. The wind will become somewhat less strong than was anticipated this morning, but the outlook for weather is the same.

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

THURS. DAY.
16th JANUARY.

STATIONS.		EVENING OF 15th.					MORNING OF 16th.										24 HOURS ENDED 7 a.m. 16th.					Sun- shine for 15th Hours.
		Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barometer.		Temp.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	Temp.		Weather.			
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. °F.	Change in 24 hours.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.	
BRITISH ISLANDS.	Lerwick	992.4	40	SE	3	om	991.9	-1	39	-1	SW	3	-	bcm	3	3	41	37	om	omr	cm	*
	Houton B. (Orkney)	992.8	37	WSW	4	c	991.2	*	35	-4	E	2	-	bc	2	*	40	35		rhq	b. bc	*
	Stornoway	990.3	42	SSW	6	opq	988.4	0	41	-3	SW	5	-	bq	4	6	44	38	op	opq	op. bq	0.9
	Castletown (Barra Isd.)	990.4	42	SW	5	op	989.6	-1	41	-1	S	3	-	o	4	6	46	39	ophro	ohpob	tp. bcp	0.2
	Glasgow	996.7	38	SW	3	omr	993.4	-5	39	-3	S	3	-	omg	*	5	45	37	o.c. bc	omr	rc. bcm	0.9
	Eskdalemuir	996.5	40	S	5	or	995.0	-4	38	-3	S	5	-	opq	*	5	45	34	oro. cp	o. or	oro. cp. hq	2.3
	Malin Head	992.5	41	SSW	4	bq	989.9	-3	39	-3	SSW	4	SW	ca	4	0.3	44	38	ca	bcq	ca	2.0
	Blackrod Point	995.4	38	SSW	6	bcq. ph	991.3	-1	41	-2	WSW	6	-	opq	6	4	43	36	bcq. ph	ca. ph	ca. ph	*
	Valencia (Cahirveen)	1001.0	44	SW	5	bc	999.9	+1	42	-4	SW	5	-	ca	*	5	48	39	op. ph	b. bc	ca. ph	2.9
	Roche's Point	1002.6	44	W	2	b	1000.9	0	43	-2	W	3	W	c	3	10	48	42	ph. tr	op. o. c	ca. ph	*
	Birr Castle	999.2	39	S	1	c	997.1	*	39	-2	S	2	-	c	*	1	43	38	op. c	c	c. pc	0.6
	Donaghadee	996.8	41	SW	4	ogm	993.3	-2	40	-4	SW	4	SW	ca	3	1	47	36	bc. m. c	ca. mp	bc. m. c	3.0
	Liverpool (Bidston)	997.9	41	WSW	5	r	999.9	-2	40	-7	SSW	3	-	o	3	5	50	39	opq	bc	c. op	0.5
	Holyhead	999.1	44	W	5	opq. g	998.3	0	44	-3	WSW	5	W	ca	4	15	48	42	b. bc. c	or	o. c. b. p. z	1.9
	Pembroke (St. Ann's)	1002.0	44	W	4	op	1002.7	+2	45	-4	WSW	4	-	op	4	2	49	43	o. or. op	o	bc. ca. p	*
	Hartland Quay																					
	Scilly (St. Mary's)	1006.0	44	WNW	6	ca. p	1007.1	-1	47	-3	W	6	W	ca. p	6	5	50	43	cm. or. m	opq	bc. ca. p	0.1
	Falmouth	1005.9	45	WSW	6	opq	1007.4	-2	45	-6	SW	4	-	bcq	*	6	51	42	opq	op. ca. p	bq. bc	0.0
	Jersey (St. Aubin)	1006.6	52	SSW	3	or	1012.9	0	48	-4	W	6	-	o	4	9	53	46	oe	oe. b. or	ca. p. o	0.2
	Portland Bill	1002.7	50	SW	5	or	1007.0	-3	48	-2	SW	6	SW	ca. r	5	7	50	48	op	or	bc. q. r	*
	Dungeness	1005.5	50	SW	4	c	1009.7	-1	47	-2	SW	4	SW	b	4	6	50	42	oro	o. c. p. c	or. c. bc	*
Wick	993.4	37	SW	3	cm	990.8	-2	39	-4	SSW	4	-	c	4	2	45	35	og. cm	cm	o. bc. mp	*	
Nairn	992.4	40	WSW	1	bc	991.0	*	35	-2	-	0	-	ca	-	0.3	43	30	o. pc	c. bc	bex. c	3.8	
Aberdeen	995.0	38	SSW	2	o	993.6	-1	37	0	SSW	2	-	c	2	4	43	34	orm. g	b. bc. o	op. o. c	2.3	
Leith	995.6	42	SW	1	o	993.8	-1	39	+1	SW	1	SW	c	2	1	47	37	d. ca. bc	bc. c. o	oro. u. c	*	
Tynemouth	995.9	45	S	2	om	996.6	?	42	+1	S	2	-	cm	3	10	49	37	f	om	cmp	0.7	
Spurn Head	999.1	46	SW	1	or	1001.3	+1	40	-4	SW	4	-	bcq	3	11	48	38	c	c. or	bcq	*	
Yarmouth (Gorleston)	1004.9	49	SW	5	bc	1007.0	+3	40	-10	SW	4	-	b	4	3	52	39	o	o. c. bcq	bcq. op	*	
Clacton-on-Sea	1004.2	45	SSE	4	bc.	1008.6	+1	40	-7	SSW	3	SW	c	2	4	48	39	cm	cm. c. bc	c. og. r. c	0.2	
Nottingham	998.8	49	SSW	3	c	1002.6	*	41	-6	SW	4	SW	c	*	4	51	38	o. c	cr. o	c. op	0.1	
Benson (Oxon.)	1001.0	47	SSW	3	o	1005.9	-5	42	-6	S	4	-	bc	*	5	53	37	od	or	og. r. bc	*	
Sth Farnborough			SW	6	orm	1008.0	-3	44	-6	SSW	6	-	r. op	*	7	52	38	od. c. od	or. orm	or. b. op	0.5	
Salisbury Plain	1002.7	48	SW	4	odq	1007.9	-1	49	-2	WSW	4	-	c	*	5	51	34	od. c. o	ord. q	bc. c. r. c	*	
London (Kew Obsy.)	1002.7	51	SSW	4	or	1008.0	-2	43	-7	SSW	3	-	c	*	6	53	40	o. ed. o	o. od. or	oro. b	0.0	
NORTHERN EUROPE.	Spitsbergen	?	30	W	2	o	1012.2	0	32	-2	SE	2	*	o	*	34	32					
	Vardö	1016.0	19	S	4	bc	1014.3	0	21	+11	-	0	-	o	2	*	21	9				
	Gjesvær	1012.7	21	SE	4	b	1011.3	*	21	+5	SE	1	-	b	2	-	21	16				
	Bodö	1004.6	27	E	4	b	999.0	-3	34	+11	E	2	-	b	2	-	34	19				
	Christiansund	999.7	32	-	0	b	996.0	-1	36	-1	WNW	3	-	c	3	5	37	32				
	Skudesnaes	998.1	41	SE	7	o	988.4	-4	41	+4	E	4	-	r	4	6	41	36				
	Færder (X'ania Fjord)	1002.7	34	NNW	4	f	994.4	-9	36	+2	NE	5	-	r	4	2	3	39	34			
	The Scaw (Skagen)	1003.1	37	WSW	2	o	992.3	-8	41	+5	SE	4	-	r	4	17	41	36				
	Blaavands Huk	1005.7	41	WSW	2	f	994.1	-3	43	+2	S	4	-	m	*	5	43	37				
	Copenhagen	1007.4	43	WSW	3	m	997.5	-8	43	+6	SW	4	-	r	*	11	43	36				
Bornholm	1008.7	37	SW	8	r	1001.2	-8	39	+3	S	7	-	r	1	17	41	34					
FRANCE, &c.	The Helder	1006.0	46	S	5	r	1006.6	+5	45	-1	SW	6	-	b	5	5	50	43				
	C. Gris Nez	1006.0	50	S	5	r	1010.9	+3	47	?	WSW	6	-	o	*	27	50	43				
	La Hève	1007.9	48	SW	6	r	1013.9	+5	43	?	SW	5	-	b	*	5	50	41				
	Brest (St. Mathieu)	1008.8	50	W	5	bc	1013.3	-1	50	-2	SW	5	-	bc	*	2	52	45				
	Rochefort (Ile d'Aix)	1017.0	48	S	4	r	1021.2	0	46	0	SW	3	-	o	*	3	50	43				
	Biarritz	1018.1	55	SSW	4	c	1022.7	+0	46	-4	S	2	-	r	*	2	63	48				
	Paris	1014.9	48	SSW	3	r	1018.0	+2	39	-7	SSW	2	*	b	*	4	50	39				
	Belfort						1020.6	*	43	+4	W	6	*	r	*	1	48	37				
	Lyons	1020.7	45	S	2	c	1022.9	+1	43	+11	SW	1	*	o	*	4	50	32				
	Nice						1023.4	-1	45	+4	W	2	*	c	*	-	50	39				
Perpignan	1022.6	46	-	0	o	1023.3	0	41	+7	-	0	*	o	*	-	48	39					
Sanguinaire	1029.2	50	N	2	o							*		*								
IBERIA, &c.	Corunna	1021.0	54	WSW	2	r	1024.2	0	48	?	SSW	2	NW	bc	3	4	59	45				
	Madrid																					
	Lisbon																					
	Azores (Horta)	1026.7	*	WNW	5	c	1031.4	0	55	+3	-	0	*	b	2	-	61	54				
	Madeira (P. Delgada)		*										*		*							
Gibraltar	1027.1	53	-	0	c	1025.7	*	51	?	NW	3	*	b	1	-	58	47					
MEDITERRANEAN.	Algiers																					
	Malta																					
	Salonica																					
	Athens																					
	Candia																					

THE BEAUFORT SCALE OF WIND FORCE.

Limits of Velocity.

No.	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.3
1	1-3	0.3-1.6
2	4-7	1.6-3.3
3	8-12	3.4-5.4
4	13-18	5.5-7.9
5	19-24	8.0-10.7
6	25-31	10.8-13.8
7	32-38	13.9-17.1
8	39-46	17.2-20.7
9	47-54	20.8-24.4
10	55-63	24.5-28.4
11	64-75	28.5-33.5
12	Above 75	33.6 or above

BEAUFORT NOTATION.

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

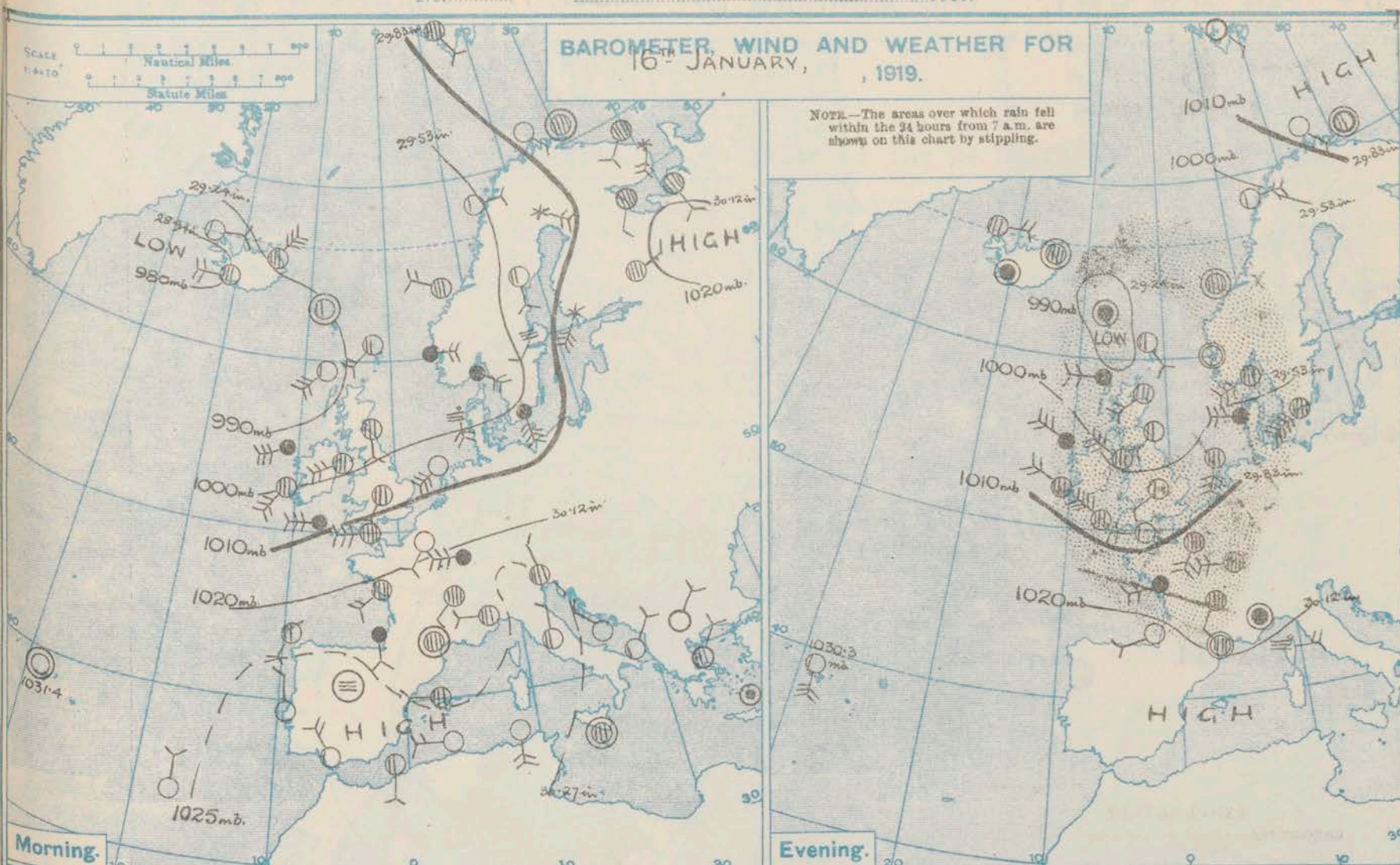
No. 20875

FRIDAY, 17TH JANUARY,

1919.

BAROMETER, WIND AND WEATHER FOR 16TH JANUARY, 1919.

NOTE.—The areas over which rain fell within the 24 hours from 7 a.m. are shown on this chart by stippling.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 16TH JANUARY

STATIONS.	EVENING OF...15 TH					MORNING OF...16 TH										MORNING OF...16 TH								
	Barom. Milli- bars at M.S.L.	Temp.	WIND		Weather.	Barometer.		Temp.		WIND.		Weather.	Rain- fall. Milli- metres.	Temp.		ICELAND.	Barom. Milli- bars at M.S.L.	Temp.		WIND.		Weather		
			Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	°F.	°F.	Direc.	Force 0-12.			Max.	Min.			Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.			
RUSSIA.	Orlov ...	*	*F.	*	*	*	1016.2	-	10	-2	S	4	0	-	*	*F.	Isafjord ...	987.1	34	0	E	2	b	
	Kem ...	*	*	*	*	*	1017.6	-	16	+6	SW	1	0	-	*	*		Reykjavik	980.2	34	+2	WNW	6	c
	Archangel ...	*	*	*	*	*	1019.3	+3	9	+2	S	2	0	1	*	*		Vestmanna	983.3	34	+2	W	4	c
	Mesen ...	*	*	*	*	*									*	*		Seydisfjord	993.7	36	-7	NE	6	c
SWEDEN.	Haparanda ...						1009.1	*	23	+5	SSE	4	5	*	*	*	Thorshavn	994.1	34	-7	-	0	bc	
	Hernösand ...						1001.2	*	21	-9	S	2	bc	*	*	*	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM							
	Stockholm ...						1002.7	*	34	+4	SSW	2	f	*	*	*								
	Wisby ...						1004.3	*	32	+2	SW	2	3	*	*	*	17 TH & 18 TH JAN 1919.							
	Sordovalä ...						1013.6	*	23	+9	E	1	0	*	*	*		G.M.T.	G.M.T.	G.M.T.				
	Hangö ...						1008.4	*	?	-	SSW	6	6	*	*	*		Yarmouth ...	7.57	12.3	4.9			
ITALY.	Venice ...	1026.1	39	WNW	1	b	1024.9	*	37	-	NNW	1	0	-	45	36	Greenwich ...	7.55	12.3	4.11				
	Turin ...	1027.3	34	-	0	b	1025.2	*	34	-	-	0	0	-	37	32		8.0	12.10	4.21				
	Pesaro ...	1027.3	36	-	0	b	1025.6	*	34	-	-	0	bc	-	45	30		7.59	12.10	4.23				
	Leghorn ...							*										8.50	12.22	3.54				
	Rome ...	1027.5	45	N	1	b	1026.6	*	36	-	N	1	bc	-	52	36		8.48	12.22	3.57				
	Viesti ...	1024.6	46	NW	2	b	1024.2	*	43	-	NW	1	b	2	50	41		8.42	12.51	5.0				
	Brindisi ...	1024.1	43	NW	2	b	1024.4	*	52	-	NE	2	b	-	54	46		9.41	12.51	5.2				
	Cagliari ...							*																
	Palermo ...							*																
Tripoli ...							*																	

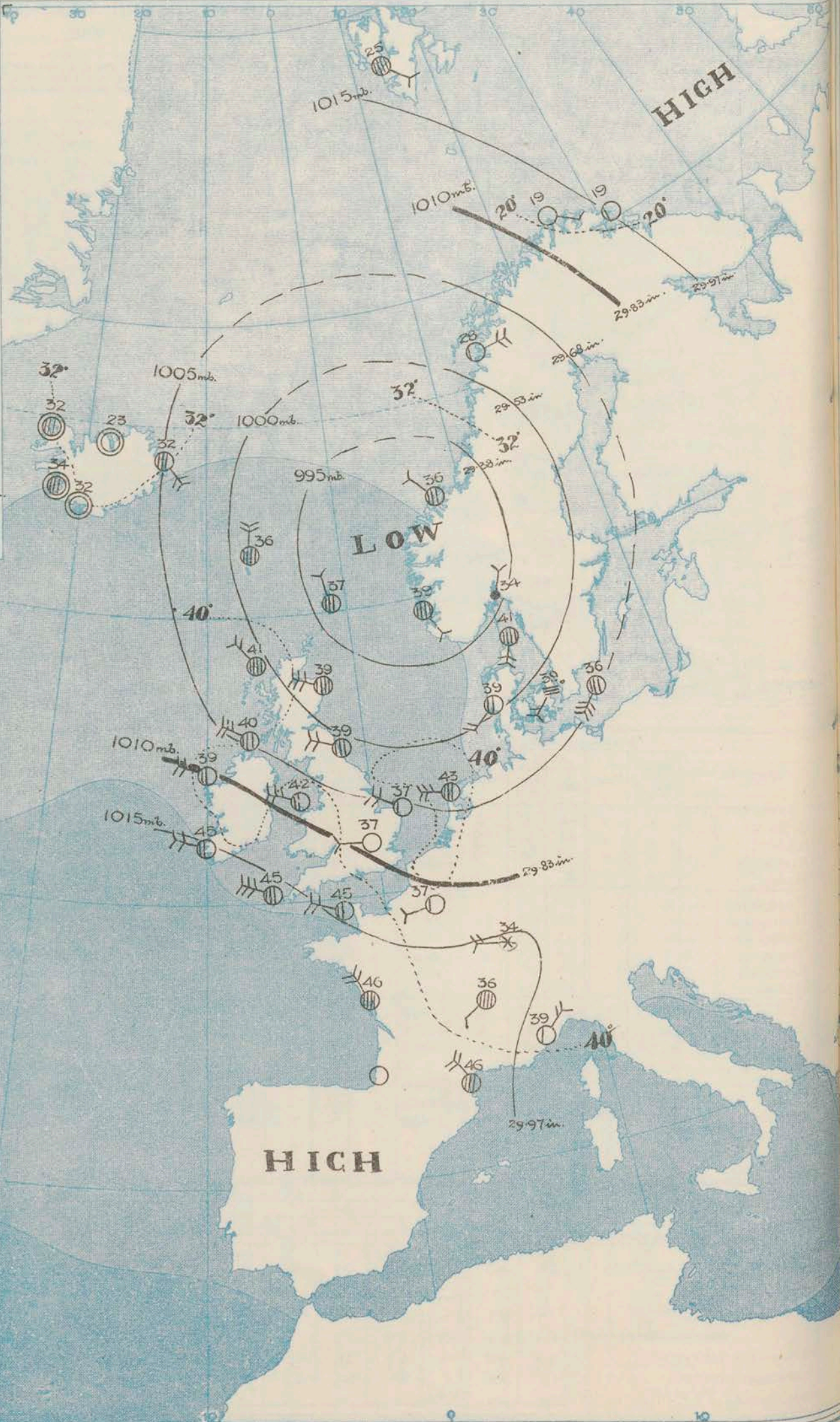
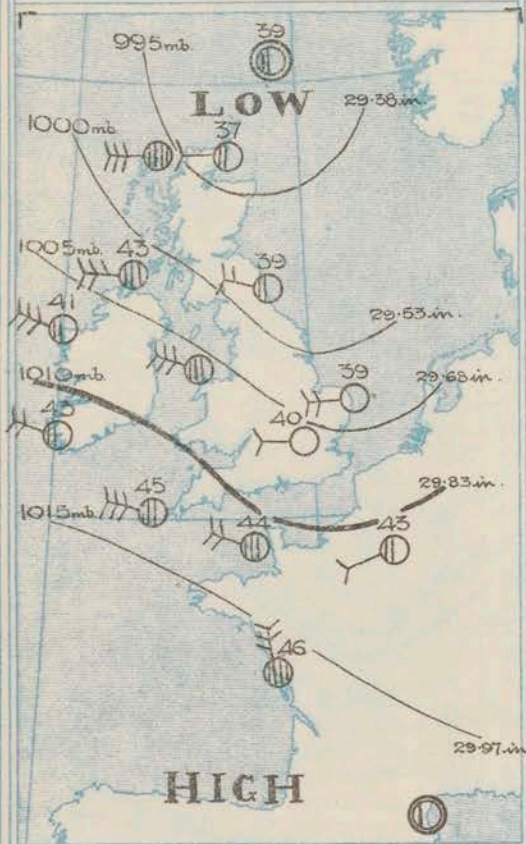
LONDON	HUMIDITY.		Sun-shine for 12 hours.	TEMPERATURE.			Rain-fall.	WEATHER.		
	15 h.	9 h.		Max.	Min.	Min. on Grass.		Morning.	Afternoon.	Night.
17 TH JANUARY 9h. G.M.T.	16 TH	17 TH	16 TH	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	88	87	5.0	49	35	30	1	b, bc	or	b, bcw
CITY (Bunhill Row)	*	*	2.5	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	79	91	3.6	50	36	29	1	*	*	*
(Roof near Charing Cross)	80	87	3.6	50	37	*	1	bc, bcw	bc, bcw	bc, bcw, f
CAMDEN SQ. (British Rainfall)	79	90	1.6	49	34	26	1	0	bc, or	*
KENSINGTON PALACE	*	84	*	51	37	28	1	c, b	bcw	*
RICHMOND PARK	*	*	3.6	*	*	*	*	*	*	*

SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 16 TH		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
282	9.4	27

17th JAN, at 1h. G.M.T.

THE MORNING OF FRIDAY, 17th

JANUARY 1919 at 7h. G.M.T.



EXPLANATION.

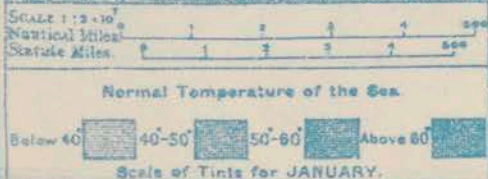
BAROMETER.—Isobars are drawn for intervals of five millibars.

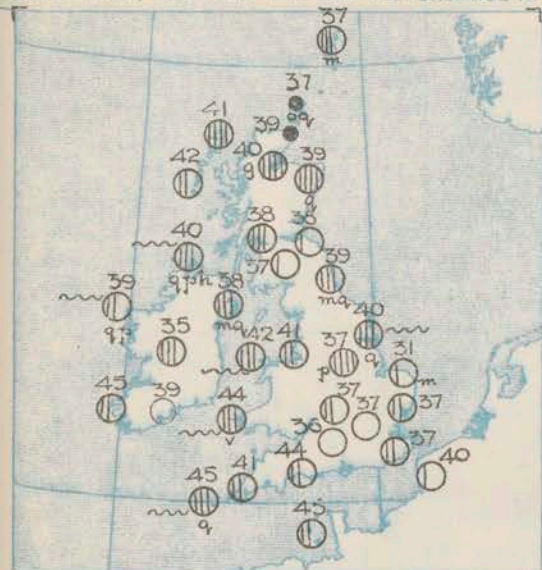
WIND.—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Calm.

TEMPERATURE.—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

WEATHER.—Shown by the following symbols:—
 ○ clear sky. ○ sky & clouded. ○ sky & clouded.
 ○ sky & clouded, ○ overcast sky. ● rain falling.
 ✕ snow. ▲ hail. ≡ fog. ≡ mist. T, thunder.
 ⚡, thunderstorm.

SEA DISTURBANCE.—Rough wavy. High waves.





NOTES.

ESKDALEMUIR: Wind
W.N.W. 8 at 23h. (6°)
ABERDEEN: Bright
Aurora at night.

Notes on the Weather of the 24 hours ended 7h. Today

Some rain fell everywhere except at a few east coast stations, the total of 13 mm. at Jersey being the largest. Hail showers occurred in various parts of the country, and there was some wet snow at Eskdalemuir and Liverpool. Sunshine records were better than of late except in Scotland, 5½ hours at Falmouth, and over 4 hours at Scilly, Jersey and Clacton. There was a brilliant display of aurora at Aberdeen during the night.

The Conditions at 7h. Today

There is a depression over Southern Norway and the Northern part of the North Sea. The barometer is rising over the British Isles. The wind is from W. or NW., fresh or strong at most coast stations, but moderate inland. The weather is fair to showery except in the north of Scotland, where it is dull, with some rain. The temperature is below 40° generally inland, but is 45° at Valencia and Scilly.

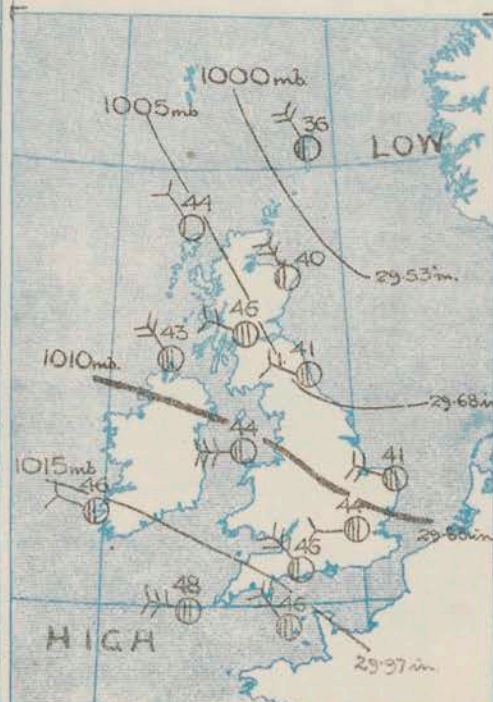
The Outlook

A spell of somewhat fairer and colder weather, with local showers, may be expected, but before long the wind is likely to back to the south-west, with a return to mild and unsettled weather.

H. H.

FRIDAY, 17th

JANUARY, 1919, at 13h. (1 p.m.) G.M.T.



The map for 13h. shows no important change since 7h, the rise of the barometer over the British Isles continuing.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919. No. 17... FRIDAY 17TH JANUARY

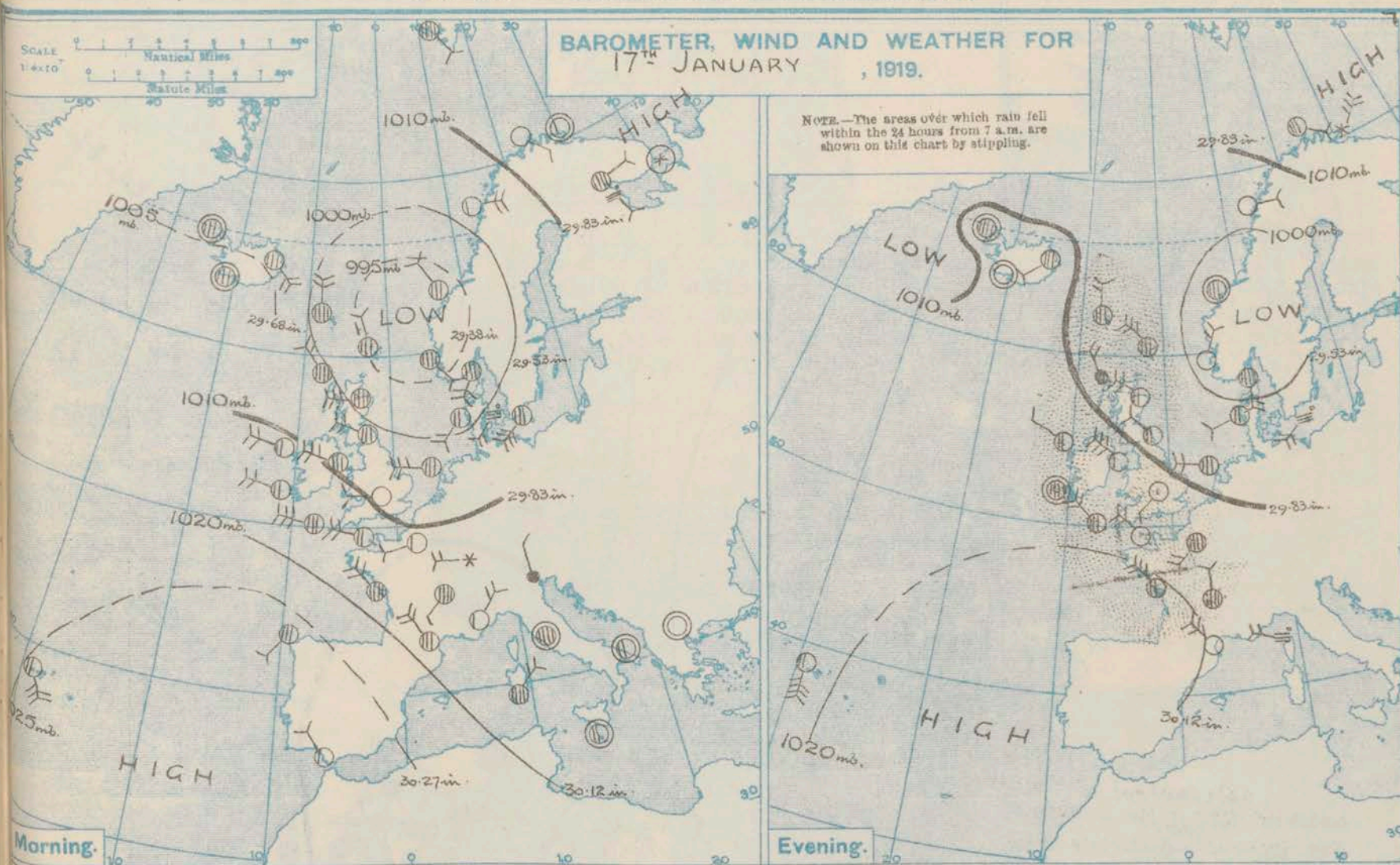
STATIONS.	EVENING OF 16TH					MORNING OF 17TH										24 HOURS ENDED 7 h 17TH					Sun- shine for 16TH Hours.	
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 8 hours.	TEMP.		WIND.	Direc. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
			Dirac.	Force 0-12.				Dry Bulb. °F.	Change in 24 hours.							Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick ...	991.0	40	SE	2	bc	994.6	+2	37	-2	NNW	2	-	cm	1	-	40	32	bc	bc	bcm	*
	Houton B. (Orkney) ...	989.6	36	SW	3	x	995.5	*	37	+2	NW	5	-	rg	3	*	39	35	bc.c	o	bc.c.p	*
	Stornoway ...	991.7	41	W	4	cp	1000.7	+3	41	0	NW	3	-	o	2	4	42	38	b.d.p	g.p	c.op	0.3
	Castlebay (Barra Isd.) ...	996.0	41	NW	5	op	1003.2	+3	42	+1	NW	4	-	bc	4	3	45	38	op	op	op.obc	0.1
	Glasgow ...	994.2	38	W	3	c	1002.5	+2	38	-1	WSW	4	-	c	*	3	40	37	omp	om	c.op.bc	0.0
	Eskdalemuir ...	994.1	35	SW	4	odm	1003.2	+2	37	-1	WSW	4	-	-	*	4	39	34	q.s.r.so	q.p.s.bc	opg.bc	0.3
	Malin Head ...	997.8	43	NW	4	cqp	1003.5	+2	40	+1	WNW	5	-	caph	5	4	43	39	cp	cqp	cqp	0.1
	Blacksod Point ...	1003.0	43	WNW	5	bc.p	1011.0	+2	39	-2	WNW	4	-	bcap	6	3	44	36	bc.op	bc.op	qpc.qp	*
	Valencia (Cahirciveen) ...	1009.2	44	WNW	4	c	1015.3	+2	45	+3	WNW	4	-	bc	*	4	45	40	c.op.oh	cph	ch.bsq	1.8
	Roche's Point ...	1006.7	41	WNW	4	bc	1014.5	+1	39	-4	WNW	3	-	b	3	2	45	38	cpq	cpq	bc.b	*
	Birr Castle ...	1003.3	40	W	2	c	1011.7	*	35	-4	SW	1	-	c	*	1	42	35	cp.op	cp	cx	0.0
	Donaghadee ...	997.0	40	NW	5	cmqp	1005.9	+3	38	-2	WNW	5	-	cmq	4	1	41	38	cmqp	omp.cq	bcm.cq	*
	Liverpool (Bidston) ...	997.3	39	WSW	4	r	1006.4	+2	41	+1	W	6	-	bc	5	5	44	38	bc.ps	b.op	bc.opq	2.9
	Holyhead ...	999.3	42	WNW	6	cpqc	1008.8	+1	42	-2	WNW	5	-	c	5	1	45	41	cq	bc.cq	cq.q	2.1
	Pembroke (St. Ann's) ...	1003.8	44	W	5	bcqp	1012.6	+3	44	-1	NW	4	-	cv	5	2	46	42	cqp	bcqp	bcq.p.c	2.7
	Hartland Quay ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
NORTHERN EUROPE.	Scilly (St. Mary's) ...	1009.1	46	WNW	7	c	1016.2	+1	45	-2	WNW	6	-	cq	6	2	48	43	cqp	cqp	c.cq	4.3
	Falmouth ...	1008.0	43	W	5	bcq	1015.3	+1	41	-4	W	3	-	bc	*	2	49	40	bcq	bc.bq	bcq.ph	5.6
	Jersey (St. Aubin) ...	1009.1	47	W	4	b.qp	1014.8	+2	45	-3	WNW	4	-	bc	3	13	51	42	b.qp	ogh.r.b	bcq.bc	4.3
	Portland Bill ...	1004.9	46	W	6	bc	1011.4	+2	44	-4	WNW	5	-	bc	4	3	49	43	cqr	bcqr	bc	*
	Dungeness ...	1004.8	46	SW	4	cq	1009.0	+3	37	-10	WSW	3	-	bc	3	5	48	36	cq.rc	cq.rc	c.b.b	*
	Wick ...	989.8	35	W	2	c	996.3	+6	39	0	WNW	3	-	r	2	4	41	34	cm	cm	bc.orab	*
	Nairn ...	989.8	35	WSW	1	bc	999.3	*	40	+5	W	1	-	og	1	1	40	33	cg	c.bc	cp.go	0.1
	Aberdeen ...	990.5	37	WSW	3	c	997.1	+3	39	+2	WNW	6	-	og	3	-	40	35	c.om	om.c	c.bc.og	0.0
	Leith ...	992.5	39	WSW	2	c	1000.6	+2	38	-1	W	3	-	b	2	1	42	37	c.op.o.c	o	cu.c.b	*
	Tynemouth ...	994.1	39	WSW	2	bcm	1000.8	+3	39	-3	WNW	4	-	cmq	3	-	44	37	cmq	cm	bcm.q	*
	Spurn Head ...	998.3	42	SW	4	bq	1003.7	+3	40	0	W	5	-	cq	5	0.1	44	37	cq	bq	bcq	0.4
	Yarmouth (Gorleston) ...	1002.0	42	SW	3	b	1005.8	+2	37	-3	WNW	4	-	bm	4	5	47	35	b.bc.b	c.omp	bqm	*
	Clacton-on-Sea ...	1003.6	42	WSW	3	bc	1008.0	+3	37	-3	W	4	-	c	2	2	47	37	c.bc	bc.cvr	bc.c	4.2
	Nottingham ...	1000.0	40	SSW	3	bc	1007.0	*	37	-4	WSW	3	-	op	*	2	44	37	o.pc	o.c	cp	0.3
	Benson (Oxon.) ...	1003.4	40	WSW	2	c	1009.7	+3	37	-5	W	2	-	bc	*	1	48	34	bc	pr.h.b	b.bc	*
	Sth Farnborough ...	1010.3	39	SW	3	b	1010.3	+2	35	-9	W	5	-	bx	*	2	48	34	p.c.p.bc	cp.b	b.bc.bx	2.6
Salisbury Plain ...	1005.6	39	SSW	3	bc	1011.3	+3	36	-13	WSW	2	-	b	*	0.2	49	33	o.bc.rq	bc.c	b.bc	*	
London (Kew Obsy.) ...	1004.0	43	SW	1	b	1009.9	+2	37	-6	W	2	-	b	*	1	48	36	c.op.bc	c.op.bc.b	b.bc.b	3.2	
FRANCE, &c.	Spitsbergen ...	1014.0	27	SE	1	o	1017.3	+2	25	-7	SE	2	*	o	*	*	32	25	*	*	*	*
	Vardö ...	1014.7	30	-	0	bc	1015.0	0	19	-2	-	0	-	b	2	*	25	9	*	*	*	*
	Gjesvær ...	1012.0	21	SE	2	b	1014.9	*	19	-2	SE	1	-	b	1	-	21	18	*	*	*	*
	Bodö ...	999.0	32	E	4	b	1003.0	+0	28	-6	E	4	-	b	2	-	34	27	*	*	*	*
	Christiansund ...	991.4	37	-	0	o	993.1	+2	36	0	NW	2	-	c	2	4	37	27	*	*	*	*
	Skudesnaes ...	991.9	39	-	0	b	992.4	0	39	-2	SE	2	-	o	2	14	41	34	*	*	*	*
	Færder (Xiania Fjord) ...	991.9	34	W	4	c	995.7	0	34	-2	NNE	2	-	r	3	14	37	34	*	*	*	*
	The Scaw (Skagen) ...	994.0	41	WSW	6	c	996.2	+1	41	0	SSW	4	-	o	4	16	43	36	*	*	*	*
	Blaavands Huk ...	1001.0	43	W	5	r	999.4	0	39	-4	SW	3	-	bc	*	2	43	37	*	*	*	*
	Copenhagen ...	1003.1	43	WSW	5	o	1003.0	-1	39	-4	SW	3	-	m	*	3	45	39	*	*	*	*
	Bornholm ...	1004.2	39	WSW	9	m	1005.0	-1	36	-3	SW	6	-	c	1	9	41	36	*	*	*	*
	The Helder ...	1003.3	45	S	6	c	1003.1	+1	43	-2	W	5	-	c	4	5	46	41	*	*	*	*
	C. Gris Nez ...	1006.0	45	SW	6	r	1009.3	+3	42	-5	WNW	5	-	bc	*	10	50	41	*	*	*	*
	La Hève ...	1009.9	45	SW	6	r	1013.3	-1	44	+1	WSW	6	-	r	*	10	52	39	*	*	*	*
	Brest (St. Mathieu) ...	1012.2	45	WNW	5	bc	1018.3	+2	46	-4	NNW	5	-	c	*	2	54	45	*	*	*	*
	Roche fort (Île d'Aix) ...	1014.1	46	WSW	5	r	1018.9	+1	46	0	NW	4	-	o	*	7	54	41	*	*	*	*
Biarritz ...	1021.1	50	WSW	3	b	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
IBERIA, &c.	Paris ...	1013.2	46	S	4	b	1013.3	+2	37	-2	WSW	2	*	b	*	TRACE	50	37	*	*	*	*
	Belfort ...	1014.9	41	WSW	4	o	1015.5	*	34	-9	W	3	*	s	*	2	47	34	*	*	*	*
	Lyons ...	1019.5	43	-	0	o	1014.5	-0	36	-7	-	0	*	o	*	3	46	34	*	*	*	*
	Nice ...	1019.0	45	-	0	r	1011.8	-1	39	-6	E	3	*	b	*	-	52	39	*	*	*	*
	Perpignan ...	1019.7	48	-	0	o	1018.9	+1	46	+5	NW	4	*	c	*	1	55	41	*	*	*	*
Sanguinaire ...	1024.2	52	E	3	m	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MEDITERRANEAN.	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Madrid ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lisbon ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Azores (Horta) ...	1029.7	*	S	5	b	1025.7	-2	58	+3	SE	5	*	bc	3	-	63	55	*	*	*	*
	„ (P. Delgada) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Madeira ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Gibraltar ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MEDITERRANEAN.	Algiers ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Malta ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Salonica ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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	24.5-23.4
11	64-75	28.5-33.5
12	Above 75	33.5 or above

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,876. SATURDAY, 18TH JANUARY, 1919.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 17TH JANUARY

STATIONS.	EVENING OF 16 TH					MORNING OF 17 TH										MORNING OF 17 TH						
	BAROM. Millibars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Weather.	Rain-fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.
			Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.			Max.	Min.			Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.	
Orlov ...	*	* F.	*	*	*	1015.5	?	* F.	* F.	SW	2	b	?	* F.	* F.	Isafjord ...	1004.7	* F.	* F.	-	0	c
Kem ...	*	*	*	*	*	1013.9	?	12	-4	NNW	1	f	?	*	*	Reykjavik	1007.1	34	0	-	0	c
Archangel	*	*	*	*	*	1015.9	-1	12	+3	SSW	2	o	1	*	*	Vestmanna	1005.6	32	-2	-	0	b
Mesen...	*	*	*	*	*									*	*	Seydisfjord	1005.0	32	-4	SE	4	c
Haparanda							*						*	*	*	Thorshavn	999.0	36	+2	N	4	o
Hernösand							*						*	*	*	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM						
Stockholm							*						*	*	*	18 TH & 19 TH JAN 1919.						
Wisby ...							*						*	*	*	Sunrise. Noon. Sunset.						
Sordovala							*						*	*	*	G.M.T. G.M.T. G.M.T.						
Hangö ...							*						*	*	*	Yarmouth ...		7.55	12.3	4.11		
Venice ...	1017.9	41	ENE	1	r	1011.3	x	41	+4	N	1	r	9	41	37			7.54	12.4	4.13		
Turin ...	1019.7	36	NE	3	o	1014.5	x	36	+2	-	0	o	2	37	34							
Pesaro ...	1019.9	45	-	0	o	1013.0	x	46	+12	-	0	c	-	54	34?							
Leghorn							*															
Rome ...	1022.2	48	N	1	o	1015.9	x	48	+12	-	0	o	TRACE	52	36?							
Viesti ...	1021.3	48	-	0	c	1015.5	x	50	+7	S	1	c	-	52	43							
Brindisi	1021.7	48	-	0	b	1018.2	x	45	-7	-	0	bc	-	54	45							
Cagliari	1022.1	52	NE	2	b	1016.7	x	45	?	NE	3	o	-	63	39							
Palermo	1025.0	48	-	0	b	1018.7	x	46	?	-	0	o	-	55	41							
Tripoli							*															

LONDON	Humidity.		Sun-shine for	TEMPERATURE.			Rain-fall.	WEATHER.		
	15 h.	9 h.		Max.	Min.	Min. on Grass.		Morning.	Afternoon.	Night.
18 TH JANUARY 9h. G.M.T.	72	95	3.7	44	30	21	-	c.b	bc.c	bx.z
GREENWICH (Royal Observatory)	*	*	1.5	*	*	*	*	*	*	*
CITY (Bunhill Row)	79	97	2.9	46	31	25	-	*	*	*
WESTMINSTER (St. James's Park)	77	91	2.9	46	34	*	-	bcm	bcm	bcm.bmx
(Roof near Charing Cross)	73	89	1.9	46	30	24	-	bc	bc	*
CAMDEN SQ. (British Rainfall)	*	96	*	45	31	?	-	bc	b	*
PARLIAMENT PALACE	*	*	*	*	*	*	*	*	*	*
RICHMOND PARK	*	*	*	*	*	*	*	*	*	*

SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 17 TH ...		
Total.	Average Rate.	Max. Rate.
231	7.7	22

NOTE.—The thermometers at Greenwich and Camden Square are in Glaston screens.

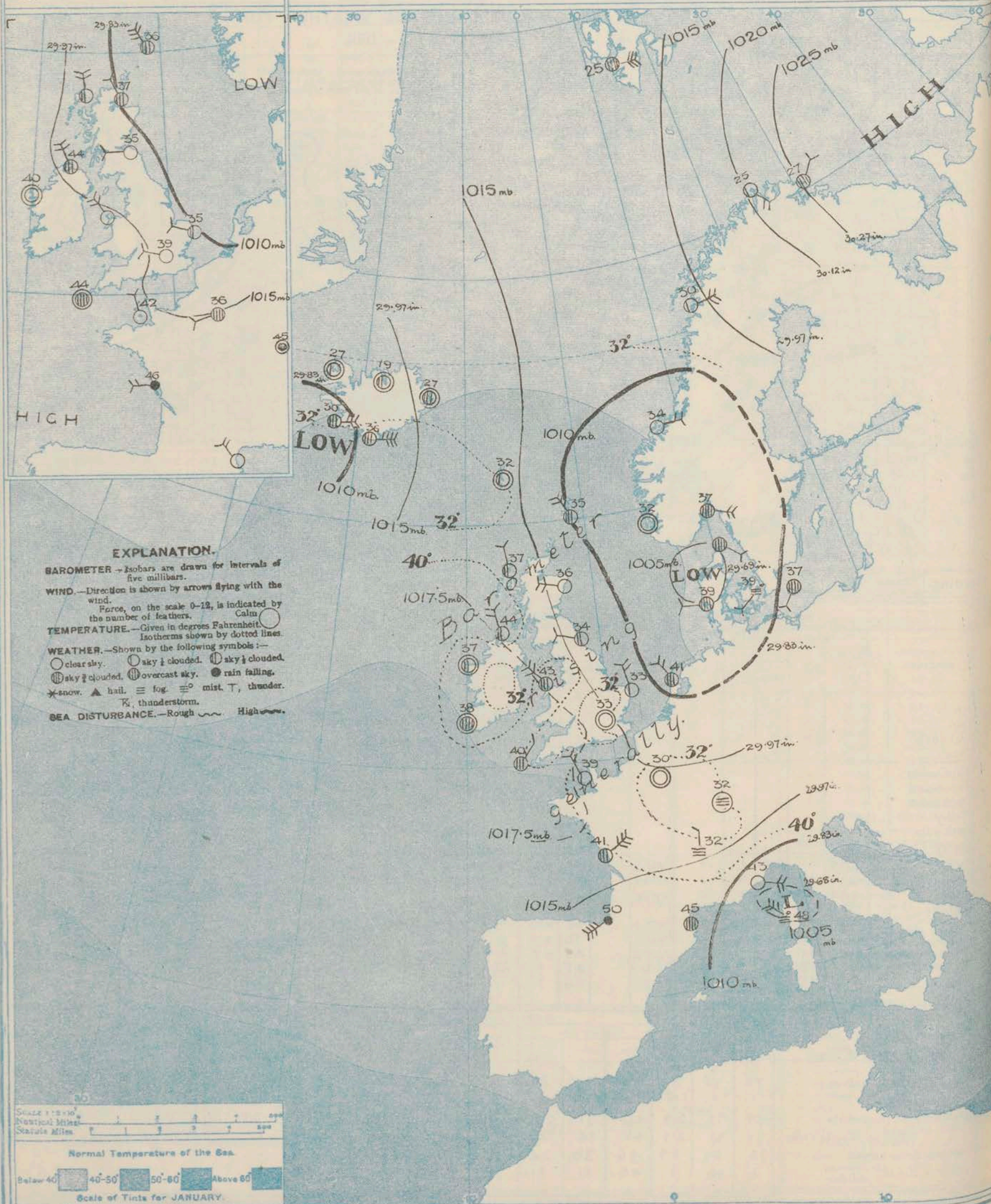
Printed at the Meteorological Office, South Kensington, London, S.W.7.

WYMAN & BROS LTD., Futaba Lane, London, E.C., and Reading.

The barometric change is expressed in half-millibars.

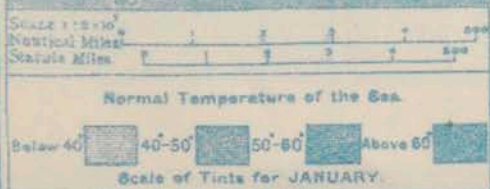
18TH JAN, at 1h. G.M.T.

THE MORNING OF SATURDAY, 18TH JANUARY 1919 at 7h. G.M.T.



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. Calm.
- TEMPERATURE.**—Given in degrees Fahrenheit.
Isotherms shown by dotted lines.
- WEATHER.**—Shown by the following symbols:—
○ clear sky. ○ sky & clouded. ○ sky & clouded.
○ sky & clouded. ○ overcast sky. ● rain falling.
✱ snow. ▲ hail. ≡ fog. ≡ mist. T, thunder.
K, thunderstorm.
- SEA DISTURBANCE.**—Rough ~~~~~ High ~~~~~.





DONAGHADEE :
Aurora at 1h.

CASTLEBAY :
Lunar Corona

Many stations reported no rain, but Jersey had 8 and Wick 6 millimetres. Sunshine records were good, 6½ hours at South Farnborough, 6 at Birr Castle and Pembroke and 5 at Scilly and London (Kew Observatory). The minimum temperature was as low as 24° on Salisbury Plain and 26° at Birr Castle.

There is a small anticyclone over Ireland and a shallow depression over Denmark. The barometer is rising generally. The wind is from between West and North over the United Kingdom, light or moderate in force. The weather is mainly fair or fine, with mist at a few places only. The temperature is below the freezing point locally inland.

Conditions are favourable for light NW. or N. winds and fine and cold weather with mist or fog inland at night.

H. H.



JANUARY, 1919, at 13h. (1 p.m.) G.M.T.



The 13h. map shows that the barometer is still rising generally over the British Isles. The anticyclone is extending eastwards, and the outlook remains the same as it was this morning.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919. No. 18.

SATURDAY
18TH JANUARY

STATIONS.		EVENING OF 17 TH					MORNING OF 18 TH										24 HOURS ENDED 7 h. 18 TH					Sun- shine for 17 TH Hours.
		Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barom. Milli- bars at M.S.L.	Change in 3 hours.	TEMP. °F.	Change in 24 hours.	WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
				Direc.	Force 0-12.						Direc.	Force 0-12.					Max.	Min.	Morning	Afternoon.	Night.	
BRITISH ISLANDS.	Lerwick	1001.6	36	NW	5	cnp	1009.8	+2	35	-2	NW	5	NW	cm	4	2	38	33	bcm	bcm	cp	*
	Houton B. (Orkney)	1005.8	37	NNW	7	sq	1013.9	*	35	-2	N	5	-	sq	4	*	38	35	cp	pg	bcc.s	*
	Stornoway	1009.4	38	NNW	3	cp	1016.4	+3	37	-4	NNW	2	-	bc	1	1	44	36	cp	pg	bcc.s	3.7
	Castletown (Barrisd.)	1010.0	43	NW	4	op	1017.0	+2	40	-2	NNE	2	-	b	3	3	45	38	b	b.bcp	b.bcp	2.0
	Glasgow	1009.6	40	W	3	b	1017.0	+4	33	-5	W	2	-	b	*	-	43	32	bc.c	c.o.c.bc	b.o.c.b	2.7
	Eskdalemuir	1008.9	37	NW	5	b	1016.9	+4	29	-8	-	0	-	bx	*	0.3	40	29	b.op.bc	bcp.b	b.bcp.b	1.7
	Malin Head	1011.1	41	WNW	3	cnp	1017.4	+2	44	+4	NNW	3	NW	bc	4	3	44	39	bcp	cnp	bc	2.1
	Blackod Point	1014.3	38	WNW	1	bcp	1018.7	0	37	-2	-	0	-	bcp	3	1	45	35	bcp	bcp	b.bcp	3.5
	Valencia (Cahirciveen)	1016.1	42	-	0	o	1019.0	+2	38	-7	-	0	-	o	3	0.4	46	35	bcp	bcp	b.c.o	*
	Roche's Point	1016.6	42	W	1	b	1019.5	+1	33	-6	NNW	1	-	b	1	0.1	46	32	b.b.c.b	b	bx	*
	Birr Castle	1014.9	39	W	1	c	1019.7	*	27	-8	-	0	-	c	*	-	45	26	c	c	cx	6.1
	Donaghadee	1010.3	40	NW	3	bz	1016.8	+4	38	0	NW	3	-	bm	3	1	42	37	cnp	bcm	bm	*
	Liverpool (Bidston)	1011.6	41	WNW	4	bc	1016.0	+2	41	0	WNW	3	W	c	3	2	44	39	c.bcp	c.op	b.c.o.c	2.0
	Holyhead	1012.5	43	WNW	6	b	1017.4	+1	43	+1	NW	4	NW	c	3	-	44	41	c.b.c	b.c.b	b.b.c.c	2.8
	Pembroke (St. Ann's)	1015.5	44	NW	3	bv	1018.8	+3	40	-4	NNW	2	NW	bxv	2	-	53	39	bcp	bcp	b.bcp	6.1
	Hartland Quay	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Scilly (St. Mary's)	1017.4	45	NW	4	c	1018.9	+2	40	-5	NE	1	-	c	3	2	47	39	cnp	cp	c	4.8
	Falmouth	1016.1	41	WNW	3	bcp	1019.2	+3	36	-5	N	1	-	bx	*	1	47	34	bcp	bcp	bx	4.5
	Jersey (St. Aubin)	1016.4	44	NW	4	b	1017.0	+1	39	-6	NW	3	NW	b	3	8	50	35	bcp	bcp	b	3.3
	Portland Bill	1013.9	45	NW	5	bc	1016.3	+2	39	-5	NW	3	-	bw	3	-	47	39	bc	bc	b	*
	Dungeness	1011.9	39	WSW	3	b	1014.0	+2	32	-5	N	3	-	b	2	-	46	31	bc	bc	b.c.b	*
NORTHERN EUROPE.	Wick	1006.2	37	WNW	3	bc	1013.6	+3	37	-2	NW	3	-	bcmp	2	6	41	34	omp	op	c.bcmp	*
	Nairn	1008.2	36	-	0	bc	1015.2	*	33	-7	-	0	-	bc	1	0.1	42	31	d.c	c.b.c	b.c	1.7
	Aberdeen	1006.4	38	WNW	4	bc	1013.7	+3	36	-3	WNW	4	-	b	3	1	41	35	obcnp	c.bcp	b.b.c	0.9
	Leith	1008.3	38	SW	2	bc	1015.4	+1	34	-4	W	1	-	b	2	-	43	33	b.b.c	c.b.c	b.c.b	*
	Tynemouth	1007.0	40	WNW	2	bcm	1013.2	0	34	-5	WNW	2	-	bcm	3	-	42	33	bcm	bcm	b.c.b	*
	Spurn Head	1008.0	42	W	3	bc	1013.3	+2	38	-2	NW	4	-	bqx	3	-	42	35	bcp	bc	bqx	0.0
	Yarmouth (Gorleston)	1009.8	38	WNW	4	b	1012.7	+2	33	-4	NNW	3	-	bmx	3	-	43	33	bmc	c.bm	bm	*
	Clacton-on-Sea	1011.2	39	W	3	bc	1014.4	+2	33	-4	WNW	3	-	bmx	1	-	44	33	c.b.c	c.b.c	bcmx	3.4
	Nottingham	1010.3	39	W	2	b	1015.2	*	36	-1	WNW	1	NW	c	*	1	43	32	ofp	c.op	b	2.3
	Benson (Oxon.)	1012.6	36	W	1	b	1015.9	+2	28	-9	-	0	-	cx	*	0.1	44	27	b	b	b.b.c	*
	St. Farnborough	1014.5	35	WSW	1	b	1016.7	+2	32	-3	W	3	-	cx	*	TRACE	45	27	b.b.c	b.c.b	b.o.c.b	6.5
	Salisbury Plain	1014.5	35	W	2	b	1017.5	+2	30	-6	NW	1	-	bx	*	-	43	24	bm	bq	b.bx	*
London (Kew Obs.)	1012.8	40	SW	1	b	1016.0	+2	33	-4	-	0	-	bmx	*	0.2	45	33	b.b.c	c.b.c	b.bmx	5.2	
FRANCE, &c.	Spitsbergen	1016.8	27	NW	4	o	1013.5	-1	25	0	E	6	-	o	*	*	28	19	*	*	*	*
	Vardø	1018.4	28	NE	5	s	1026.0	0	27	+8	NE	3	-	o	3	*	28	16	*	*	*	*
	Gjesvær	1017.9	25	SE	2	c	1023.0	*	25	+6	SE	3	-	b	2	-	25	18	*	*	*	*
	Bodø	1002.6	27	E	2	b	1015.0	+3	30	+2	E	4	-	b	2	-	30	25	*	*	*	*
	Christiansund	1000.3	36	-	0	c	1007.5	+3	34	-2	E	3	-	b	2	-	37	32	*	*	*	*
	Skudesnaes	998.6	36	NNE	2	b	1006.3	+3	32	-7	-	0	-	b	2	-	39	30	*	*	*	*
	Færder (Xeniafjord)	1000.7	34	N	5	r	1007.7	+5	37	+3	ESE	4	-	o	2	7	37	30	*	*	*	*
	The Scaw (Skagen)	999.5	41	S	3	o	1005.0	+3	41	0	SE	2	-	o	2	-	41	37	*	*	*	*
	Blavands Huk	1001.3	39	WSW	2	bc	1005.9	+4	39	0	W	2	-	o	*	2	41	36	*	*	*	*
	Copenhagen	1004.0	39	SW	3	o	1008.7	+3	39	0	SW	2	-	o	*	-	41	37	*	*	*	*
	Bornholm	1006.6	37	SSW	4	m	1010.4	+3	37	+1	SW	2	-	o	-	-	37	36	*	*	*	*
	The Helder	1007.7	43	W	4	c	1009.5	+1	41	-2	NW	3	-	c	2	2	43	41	*	*	*	*
IBERIA, &c.	C. Gris Nez	1012.0	43	WNW	5	b	1014.7	+1	39	-3	N	5	-	b	*	-	43	37	*	*	*	*
	La Hève	1015.3	43	NW	6	c	1015.8	0	41	-3	N	3	-	bc	*	7	45	39	*	*	*	*
	Brest (St. Mathieu)	1019.5	48	NW	5	bc	1019.4	+2	43	-3	NE	2	-	c	*	3	50	41	*	*	*	*
	Rochefort (d'Als)	1021.0	46	NW	5	bc	1015.8	-1	41	-5	NE	5	-	c	*	7	50	41	*	*	*	*
	Biarritz	*	*	*	*	*	1012.2	-6	50	?	SW	7	-	r	*	17	50	46	*	*	*	*
	Paris	1016.2	39	W	3	r	1015.3	+1	30	-7	-	0	-	b	*	1	45	30	*	*	*	*
	Belfort	*	*	*	*	*	1015.7	*	32	-2	-	0	-	f	*	7	41	32	*	*	*	*
	Lyons	1019.5	34	NNW	2	o	1015.4	-3	32	-4	-	0	-	f	*	3	46	32	*	*	*	*
	Nice	*	*	*	*	*	1005.9	-1	43	+4	ESE	4	-	b	*	-	52	37	*	*	*	*
	Perpignan	1019.0	32	NW	4	b	1013.7	-6	45	-1	?	?	-	o	*	-	52	32	*	*	*	*
	Sanguinaire	1010.3	50	NW	3	tr	1005.0	-4	48	?	NW	5	-	m	*	-	55	46	*	*	*	*
	MEDITERRANEAN.	Corunna	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Madrid		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lisbon		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Azores (Horta)		1023.5	*	S	7	bc	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
" (P. Delgada)		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Madeira		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Gibraltar		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MEDITERRANEAN.	Algiers	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Malta	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Salonica	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Athens	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Candia	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Limassol	*	*	*	*	*	1008.7	0	52	+2	ENE	1	W	o	6	-	64	46	*	*	*	*
	Alexandria	1005.2	57	-	0	c	1004.6	+1	55													

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	1-8	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	24.5-28.1
11	64-75	28.2-33.5
12	Above 76	33.6 or above

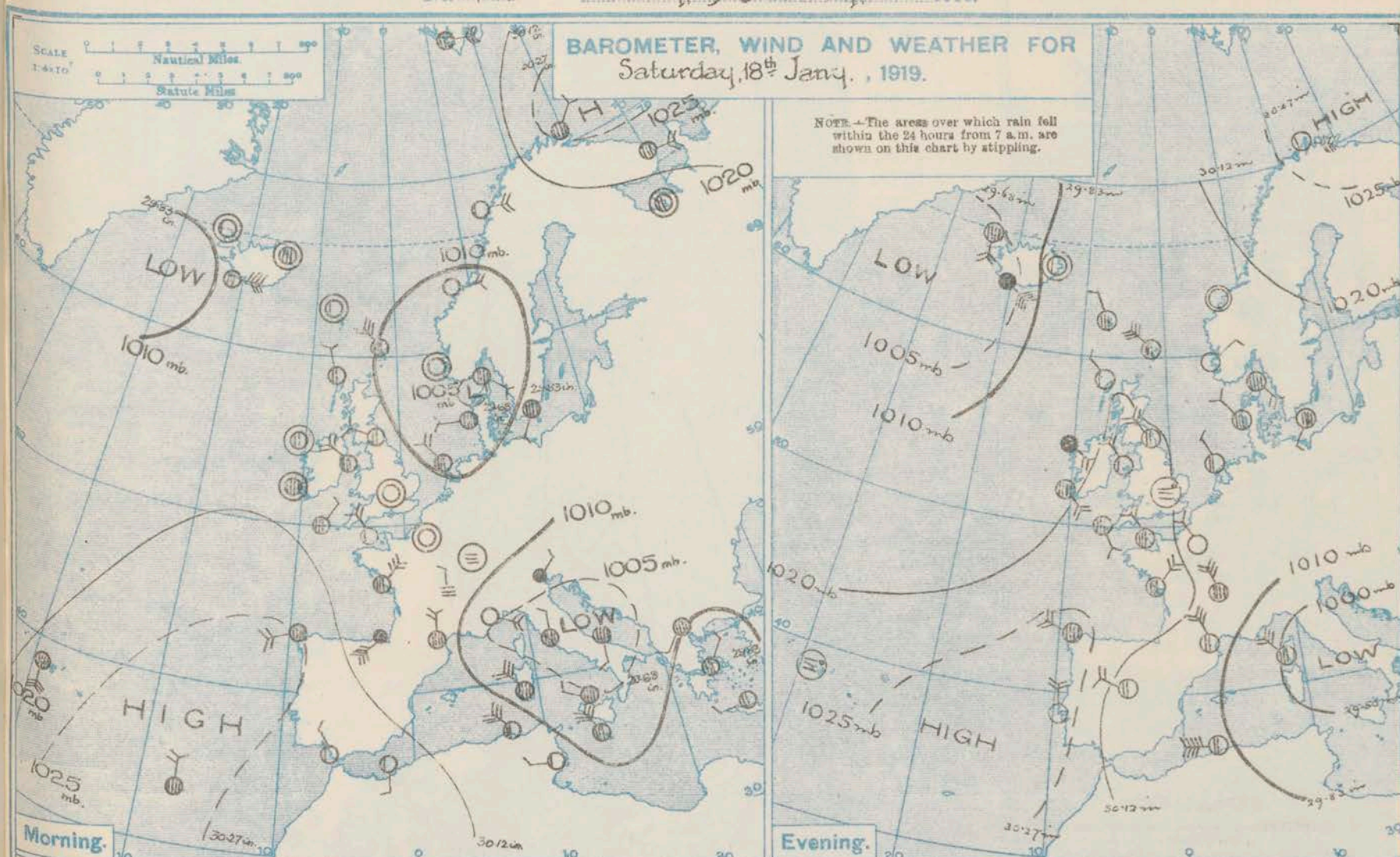
BEAUFORT NOTATION.

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.<

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20877

Sunday, 19th January, 1919.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 18th JANUARY

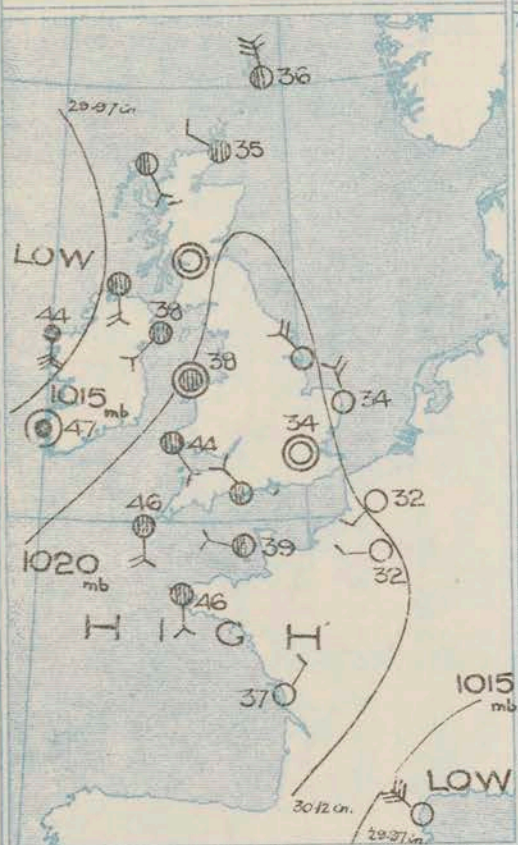
STATIONS.	EVENING OF 17 TH					MORNING OF 18 TH										MORNING OF 18 TH						
	Barom. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Weather.	Rain- fall. Milli- metres.	TEMP.		ICELAND.	Barom. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.
			Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.			Max.	Min.			Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.	
		° F.						° F.	° F.					° F.	° F.			° F.	° F.			
Orlov ...	*	*	*	*	*	1022.9	+	12	+2.1	E	4	C	*	*	*	Isafjord ...	1011.3	27	-3	-	0	b
Kem ...	*	*	*	*	*	1019.7	*	16	+2.0	SE	4	O	*	*	*	Reykjavik	1008.8	30	-5	E	5	c
Archangel ...	*	*	*	*	*	1018.9	+4	10	+7	E	2	O	*	*	*	Vestmanna	101.3	36	-3	E	7	c
Mesen...	*	*	*	*	*								*	*	*	Seydisfjord	1018.6	27	+2	-	0	c
Haparanda ...							*						*	*	*	Thorshavn	1015.1	32	+2	-	0	b
Hernösand ...							*						*	*	*	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.						
Stockholm ...							*						*	*	*	19 TH & 20 TH JAN, 1919.						
Wisby ...							*						*	*	*	G.M.T. G.M.T. G.M.T.						
Sofrövala ...							*						*	*	*	Yarmouth ...	7.54	12.4	4.13			
Hangö ...							*						*	*	*	Greenwich ...	7.53	12.4	4.15			
Venice ...	1008.9	43	NW	1	O	1008.2	*	41	0	NE	1	r	13	45	41	Wick ...	7.56	12.11	4.26			
Turin ...	1011.5	34	-	0	C	1008.1	*	32	-4	-	0	b	-	37	32	Valencia ...	8.46	12.23	4.0			
Pesaro ...							*															
Leghorn ...							*															
Rome ...	1009.8	48	SE	1	O	1000.9	*	45	-3	N	1	O	2	54	45							
Viesti ...	1010.6	50	SE	1	r	1001.3	*	48	-2	S	1	O	3	52	39							
Brindisi ...							*															
Cagliari ...	1011.4	48	SSW	5	r	1007.4	*	43	-2	NW	5	O	6	57	37							
Palermo ...	1011.9	50	-	0	O	1005.3	*	48	+2	WNW	4	O	5	54	43							
Tripoli ...							*															

LONDON	HUMIDITY.		Sunshine for 24 Hours ended 6 h., 19 th	TEMPERATURE.			Rain-fall.	WEATHER.		
	15 h.	9 h.		Max.	Min.	Min. on Grass		Morning	Afternoon	Night
	18 th	19 th		°F.	°F.	°F.				
19 th JANUARY, 9h. G.M.T.	%	%	Hours.				mm.			
GREENWICH (Royal Observatory)	82	96	1.7	41	25	17	0.0	bz	bcz	ox
CITY (Bunhill Row)	*	*	0.6	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	85	85	1.0	43	29	25	0.0	*	*	*
" (Roof near Charing Cross)	83	94	1.8	43	30	*	0.0	bmx. bcm	cm. bf	bm. bmx
CAMDEN SQ. (Beirish Rainfall)	87	87	1.9	41	26	23	0.0	bc. c	c	*
KENSINGTON PALACE	*	91	*	39	28	30	1.2	bc. o	o	*
RICHMOND PARK	*	*	2.1	*	*	*	*	*	*	*

SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 18 th		
Total.	Average Rate.	Max. Rate.
Ionies.	Milliwatts.	Milliwatts.
181	6.0	19

19TH JAN, at 1h. G.M.T.

THE MORNING OF SUNDAY, 19TH JANUARY 1919 at 7h. G.M.T.



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.

TEMPERATURE.—Given in degrees Fahrenheit.

Isotherms shown by dotted lines.

WEATHER.—Shown by the following symbols:—

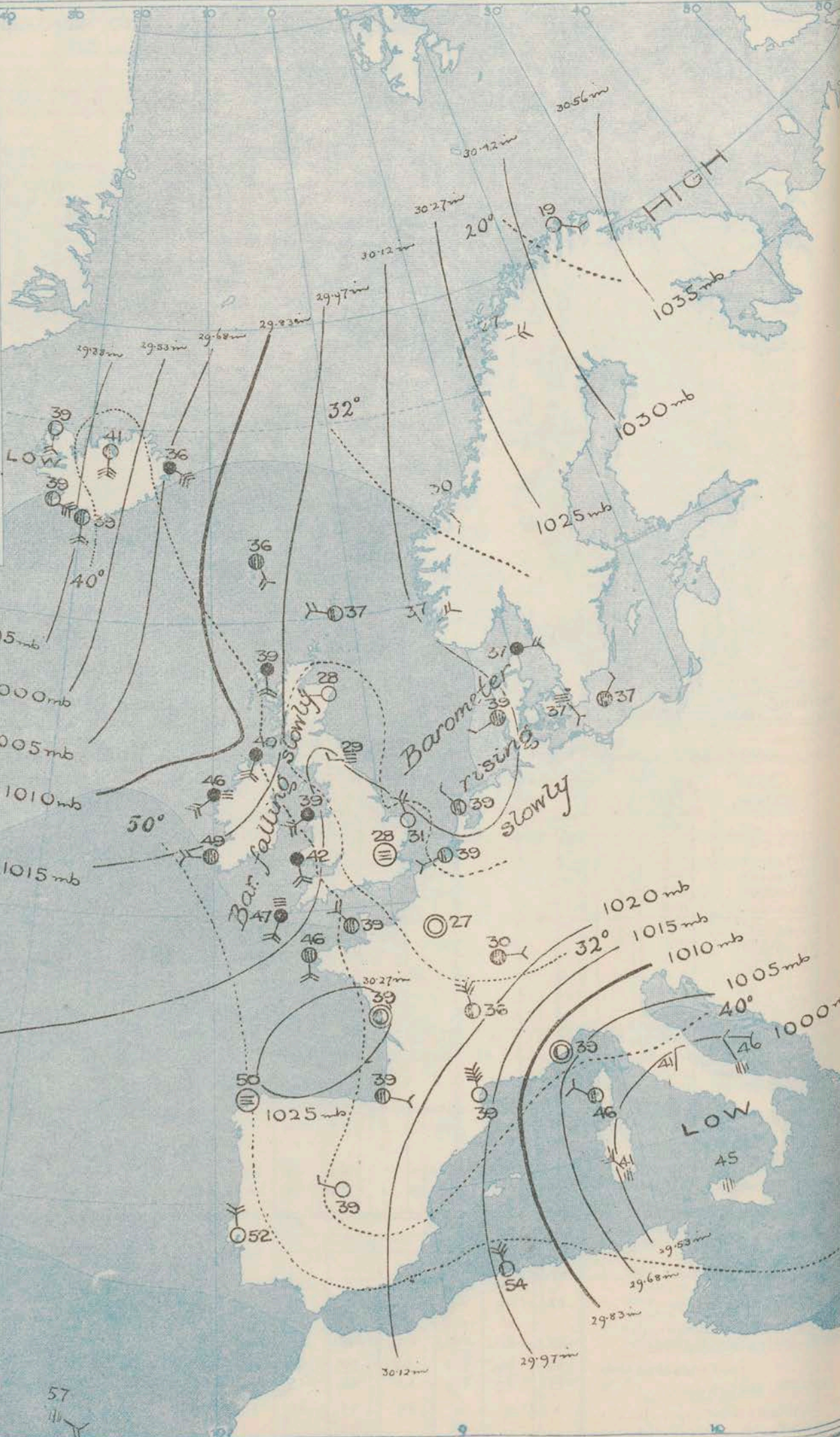
○ clear sky ○ sky & clouded. ○ sky & clouded.

○ sky & clouded. ○ overcast sky. ● rain falling.

* snow. ▲ hail. ≡ fog. ≡ mist. T. thunder.

⚡, thunderstorm.

SEA DISTURBANCE.—Rough wavy. High wavy.

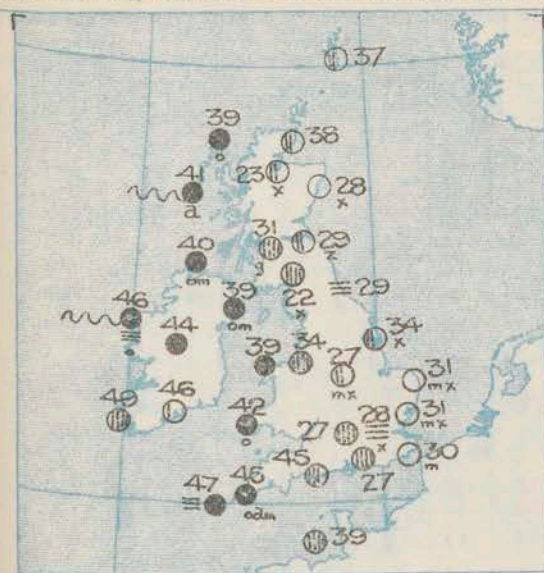


SCALE 1:2.5
Nautical Miles
Statute Miles

Normal Temperature of the Sea.

Below 40 40-50 50-60 Above 60

Scale of Tints for JANUARY.



NOTES.

ABERDEEN.

Aurora night.

Notes on the Weather of the 24 hours ended 7h. Today

The afternoon temperature did not differ much from the normal, but in the night frost occurred at many stations, the shade minima ranging down to 22° at South Farnborough, 21° at Salisbury Plain, and 17° at Eskdalemuir. Generally the day was dry, but towards evening rain was spreading in from the Atlantic, and by this morning had reached most stations in the western half of the Kingdom, no large amounts being registered. Nearly all places had good sunshine records, in several instances from six to seven hours.

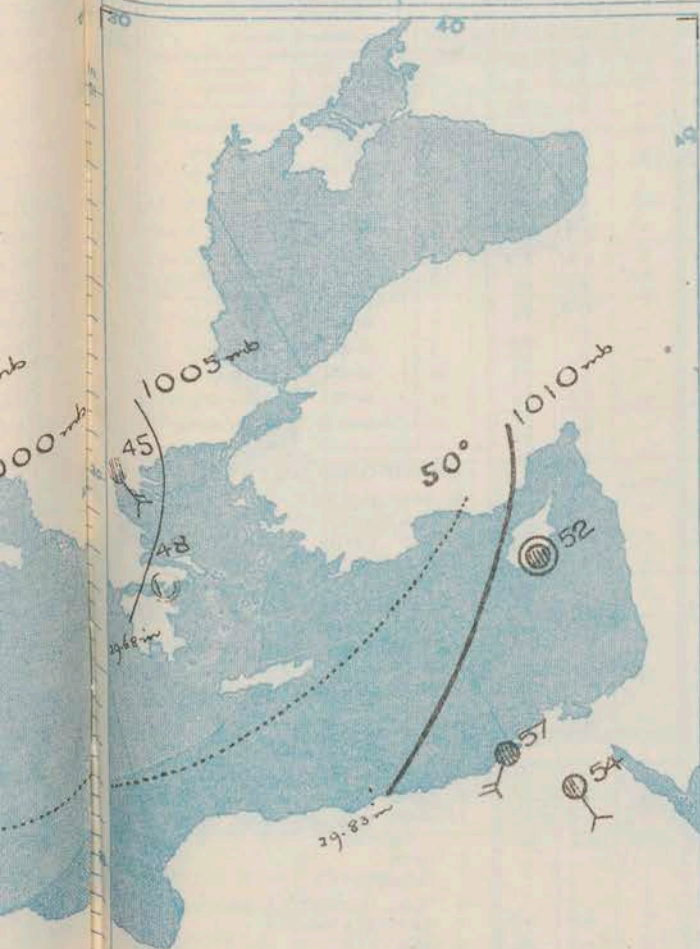
The Conditions at 7h.

A depression occupying the northern part of the Atlantic is causing a fall of the barometer on our western coasts. The wind is light and indefinite over the eastern half of Great Britain with fine to foggy weather, but moderate Southerly or South-Westerly breezes have sprung up in the west, fresh in force at Blacksod Point and Castlebay, with rainy and misty weather. The temperature is down to 22° at Eskdalemuir, 23° at Nairn and 27° at Nottingham, Benson and South Farnborough. Pressure is high over Northern Europe and on the Bay of Biscay, and a great part of the Mediterranean is covered by a cyclonic system.

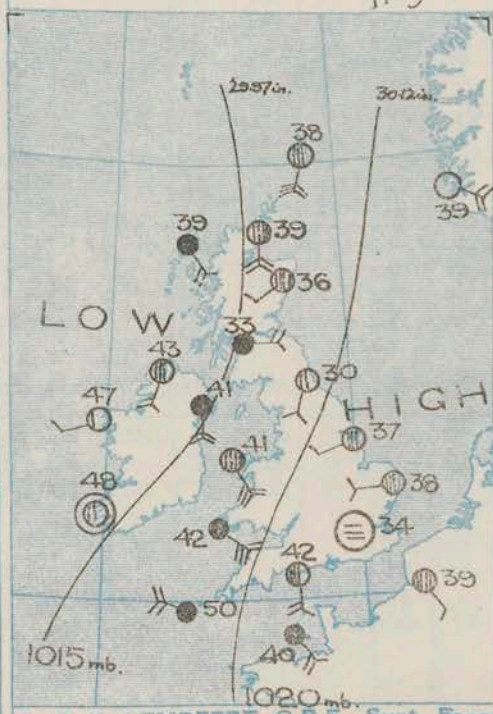
Subsequent Developments

The map for 13h. shows no decided fall of the barometer, but the influence of the Atlantic depression was gradually spreading in all directions bringing the Southerly current and rain further east as the day advanced.

H.H.

Sunday, 19th

JANUARY, 1919, at 13h. (1 p.m.) G.M.T.



DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919. No.19...

SUNDAY,
19TH JANUARY

STATIONS.		EVENING OF 18 TH ...					MORNING OF 19 TH ...										24 HOURS ENDED 7 A.M. 19 TH ...					Sun- shine for 18 TH	
		Barom. Milli- bars at M.S.L.	Temp.	Wind.		Weather.	Barometer.		Temp.		Wind.		Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	Temp.		Weather.				
				Force 0-12.	Dir.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick ...	1015.5	37	WNW	6	cm	1016.4	0	37	+2	WNW	3	-	bc	2	-	38	35	cmp	cmp	cm	Hours.	
	Houton B. (Orkney)						1018.0	*	35	0	SSE	2	-	bc	1	*	37	34	-	-	b.bc	*	
	Stornoway ...	1019.7	33	NW	1	bz	1018.2	-3	39	+2	S	4	-	or	3	1	42	30	bc	bz	b.or	3.7	
	Castellary (Barra Isd.)	1019.4	41	SE	2	o	1013.6	-1	41	+1	SE	5	-	dr	6	0.4	48	39	b	b.o	od.r	6.0	
	Glasgow ...	1021.3	33	WSW	1	b	1018.5	-3	31	-2	ENE	2	-	og	*	-	39	26	bv.bs	b	bfcx	5.6	
	Esksdalemuir ...	1021.8	47	-	0	bc	1020.4	-2	22	-7	-	0	-	ox	*	-	39	17	bx.bry	bry.b	bx.ox	0.7	
	Malin Head ...	1018.9	40	S	2	cm	1010.7	-6	40	-4	SSW	5	-	omr	4	1	45	38	bc.	bcm	omr	4.0	
	Blackod Point ...	1016.7	40	ESE	3	op	1013.1	0	46	+9	SW	5	-	ofr	5	4	48	35	bcr	og'u	opofr	*	
	Valencia (Cahirciveen)	1018.5	47	SE	4	o	1015.7	0	49	+11	W	3	-	o	4	6	50	36	c.o	od.o	od.oro	0.4	
	Roche's Point ...	1021.0	45	SSE	2	r	1015.1	-1	46	+15	NNW	3	NW	b	3	8	48	33	c.o2	or	rd.b	*	
	Birr Castle ...	1020.2	38	SSE	1	o	1013.7	*	44	+17	SE	1	-	*	*	7	44	27	bc	cog	or	3.2	
	Donaghadee ...	1020.4	38	WSW	2	b.f	1016.2	-2	39	+1	SW	3	-	omr	2	2	44	35	bcm	bcm	bfcgm	*	
	Liverpool (Bidston)	1021.3	39	NW	1	b	1020.1	-2	34	-7	SE	2	-	o	2	-	42	32	b	b	b.ox	6.5	
	Holyhead ...	1022.2	43	NW	3	b	1018.8	-3	39	-4	SW	4	-	or	3	2	47	38	c.b.bc	bc.c.b	bbc.or	5.3	
	Pemlroke (St Ann's)	1022.2	42	W	1	bcr	1018.8	-1	42	+2	SSE	4	-	or	4	4	47	39	bcr	bcr	ov.or	6.0	
Hardland Quay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*		
NORTHERN EUROPE.	Scilly (St Mary's)	1022.3	45	SSE	2	c	1018.1	-2	47	+7	SSW	4	-	rf	4	1	51	39	c.bc	c.bc	odf	3.6	
	Falmouth ...	1022.1	39	-	0	bcm	1019.0	-3	45	+9	S	3	-	odm	*	2	47	34	bcm.c	bcm	om.odm	2.8	
	Jersey (St. Aubin)	1021.9	41	NW	3	c	1021.1	-1	39	0	NW	3	-	o	3	-	48	37	b	b.bc.c	c.o	7.0	
	Portland Bill ...	1020.8	42	NW	3	bc	1020.9	-1	45	+6	SSE	3	-	c	3	-	46	39	b	b	c	*	
	Dungeness ...	1019.2	38	N	3	b	1021.2	0	30	-2	NNW	3	-	bmr	2	-	42	27	b	bmr	bmr.bmr	*	
	Wick ...	1019.1	36	WNW	2	bcmp	1016.6	-2	38	-9	SE	4	-	bc	4	0.3	40	32	bcmp	bcm	om.bc	*	
	Nairn ...	1019.8	34	-	0	bc	1016.2	*	23	-10	-	0	-	bcr	0	-	39	22	bc	c.bc	bcr	3.2	
	Aberdeen ...	1019.4	35	WNW	3	b	1018.8	-1	28	-8	W	1	-	bx	2	-	39	28	b	b	bc.bx	5.8	
	Leith ...	1020.3	36	SW	1	b	1019.1	0	29	-5	E	1	-	bcy	1	-	40	27	b.b.c.b	b	b.b.c.bx	*	
	Tynemouth ...	1020.6	37	NW	2	bcm	1019.8	0	29	-5	W	1	-	f.bcr	3	-	42	28	bcm	bcm	bcm	*	
	Spurn Head ...	1019.2	40	NW	4	bcr	1020.7	0	34	-4	NW	1	-	f.bcr	3	-	40	30	bcr	bcr	bcr	3.0	
	Yarmouth (Gorleston)	1017.6	38	NNW	3	om	1020.2	+1	31	-2	NNW	2	-	bmr	2	1	43	30	bmr.bc	bc.om	bmr.bmr	*	
	Clacton-on-Sea	1019.1	35	WNW	2	bmr	1021.8	0	31	-2	NW	2	-	bmr	2	-	42	30	bc.bmr	bmr	bmr	7.0	
	Nottingham ...	1020.7	34	N	1	b	1021.3	*	27	-9	SW	1	SW	bcxm	*	-	43	24	bcm	bmr	bxf	0.5	
	Benson (Oxon.) ...	1021.0	33	-	0	b	1021.4	0	27	-1	-	0	-	o	*	-	43	25	b	b	b	*	
Sth Farnborough	-	-	SSE	1	b	1022.2	-1	27	-5	E	1	-	om	*	-	43	22	o	c.o.b	bom	*		
Salisbury Plain	1021.9	32	-	0	b	1023.1	0	30	0	ESE	1	-	o	*	-	41	21	bmx.	b	bcm.bco	*		
London (Kew Obs.)	1020.7	38	-	0	m	1022.5	0	28	-5	-	0	-	fx	*	0.1	42	27	bmx.c.omd.omb	bmx.fx	bmx.fx	2.4		
FRANCE, &c.	Spitsbergen ...																	THE BEAUFORT SCALE OF WIND FORCE.					
	Vardö ...	1030.4	27	E	2	o	1037.6	0	21	-6	S	6	-	bc	3	*	27	19	Limits of Velocity.				
	Gjesvær ...	1026.6	23	SE	8	b	1030.7	*	19	-6	SE	2	-	b	1	-	25	18	No. Statute miles per hour. Metres per second.				
	Bodö ...	1022.0	28	E	2	bc	1026.4	+2	27	-3	E	4	-	b	2	39	30	25					
	Christiansund ...	1016.7	30	-	0	b	1021.6	+3	30	-4	SE	1	-	b	2	-	34	30					
	Skudesnaes ...	1016.0	34	NE	1	bc	1020.3	+1	37	+5	NE	3	-	b	2	-	36	30					
	Færder (Thania Fjord)	1017.6	36	E	5	o	1024.2	?	30	-7	NE	4	-	S	*	2	45	30					
	The Scaw (Skagen)	1012.4	39	SE	3	o	1020.2	+3	37	-4	E	3	-	r	6	2	41	36					
	Blaavands Huk	1012.2	39	NW	2	c	1018.6	+2	39	0	WSW	1	-	o	*	1	41	37					
	Copenhagen ...	1015.3	39	SSW	3	o	1021.7	+3	37	-2	SSE	2	-	m	*	-	39	37					
	Bornholm ...	1016.0	37	SSW	1	m	1021.6	+2	37	0	NE	1	-	o	0	-	39	34					
	The Helder ...	1015.5	44	NNW	1	bc	1019.4	+1	39	-2	NW	1	-	c	2	2	46	39					
	C. Gris Nez ...	1019.8	48	NNW	3	b	1023.1	0	37	-2	NNW	1	*	b	*	-	45	37					
	La Hève ...	1021.1	43	N	2	bc	1022.6	+1	39	-2	NE	2	-	c	*	-	46	37					
	Brest (St. Mathieu)	1023.0	46	W	1	c	1021.1	-2	46	+3	S	4	*	o	*	-	50	43					
Rochefort (Ile d'Aix)	1022.4	43	NE	4	c	1025.6	0	39	-2	-	0	*	c	*	-	50	37						
Biarritz ...	1023.4	43	E	2	c	1022.9	+1	39	-11	ESE	2	*	c	*	4	52	37						
Paris ...	1019.9	37	NNW	1	b	1022.9	+1	27	-3	-	0	*	b	*	-	43	27						
Belfort ...						1021.1	*	30	-2	E	2	*	o	*	-	37	30						
Lyons ...	1016.2	36	NNW	5	o	1019.3	0	36	+4	NNW	5	*	bc	*	brace	41	32						
Nice ...	1012.2	45	E	3	bc	1005.1	+3	39	-4	-	0	*	b	*	-	52	36						
Perpignan ...	1019.3	43	NW	6	b	1015.4	+2	39	-6	NNW	8	*	b	*	-	45	37						
Sanguinaire ...	998.6	48	NW	5	c	1001.0	+5	46	-2	NW	2	*	bc	*	-	54	43						
IBERIA, &c.	Corunna ...	1025.3	55	WNW	4	o	1024.9	0	54	0	-	0	-	f	2	1	55	54					
	Madrid ...	1018.6	50	WNW	3	bc	1022.9	+3	39	-	WNW	1	-	b	*	-	52	36					
	Lisbon ...	1026.0	54	N	4	b	1022.7	+2	52	-	N	4	-	b	*	-	57	52					
	Azores (Horta)	1022.7	*	-	0	m	1022.1	-1	57	-4	SSW	4	*	bc	2	12	61	57					
	„ (P. Delgada)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*					
Madeira ...	1026.7	63	N	3	o	1029.0	+1	57	-	E	3	N	o	*	-	64	57						
Gibraltar ...						*	*	*	*	*	*	*	*	*	*	*	*						
MEDITERRANEAN.	Algiers ...	1011.1	55	W	9	bc	1014.7	+2	54	+2	NNW	5	-	b	7	6	57	46					
	Malta ...	*	*	*	*	*	996.4	?	48	+7	WSW	4	-	o	1	7	59	37					
	Salonica ...	1005.3	+7	SE	4	o	1002.4	*	45	+2	SSE	3	SE	bc	*	13	52	41					
	Athens ...																						
	Candia ...																						
	Limassol ...	*	*	*	*	*	1010.4	+1	52	0	-	0	W	o	5	-	63	45					
	Alexandria ...	1008.8	61	-	0	bc	1013.1	+3	57	+2	SW	3	-	o	2	4	70	54					
Cairo (Helwan)	1009.5	57	-	0	o	1014.7	+3	54	0	S	6	-	c	*	2	63	54						

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.

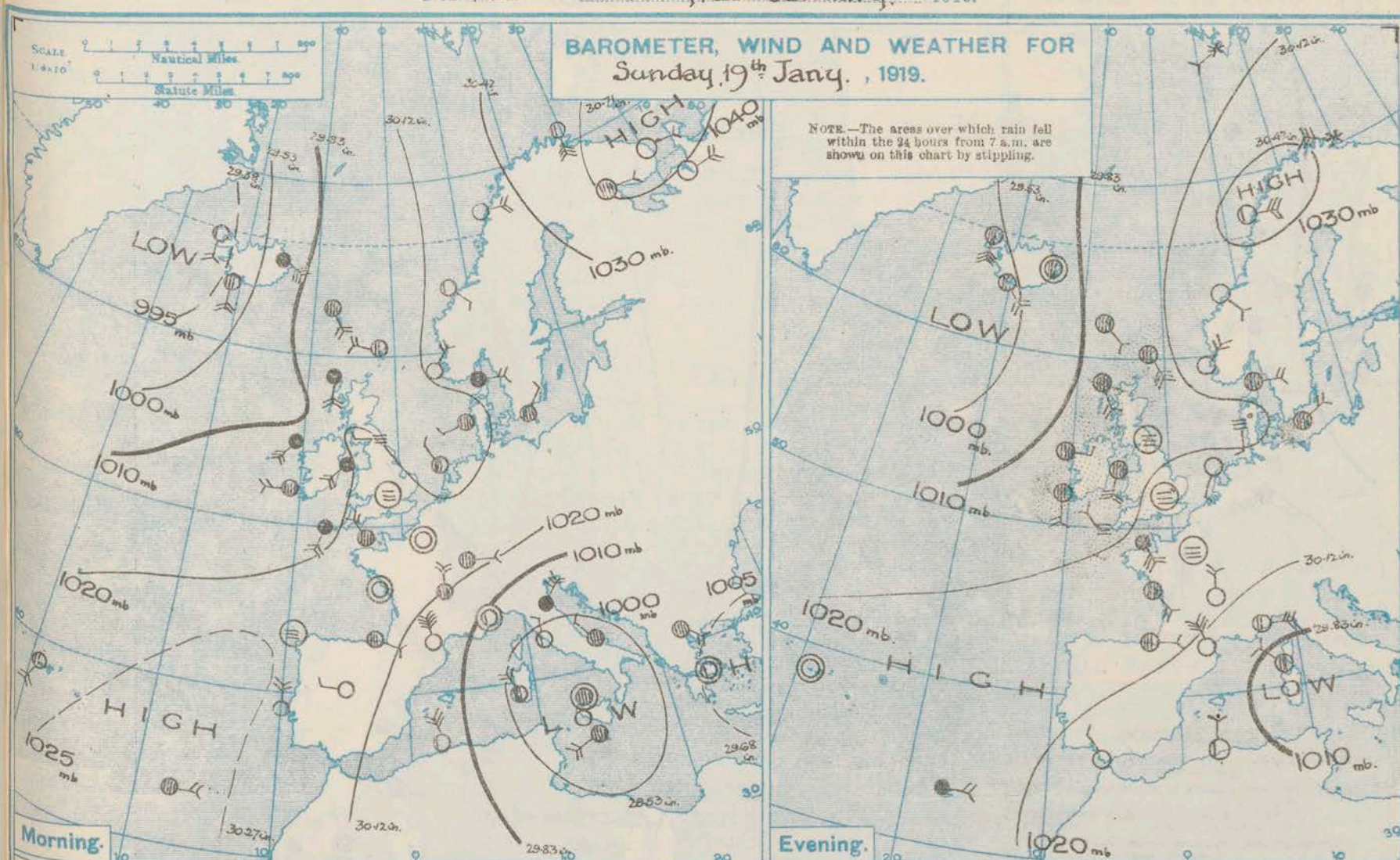
* Information for these columns not usually received

+ Received too late for insertion in Charts

The barometric change is expressed in half-millibars

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20878. Monday, 20th January, 1919.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 19TH JANUARY.

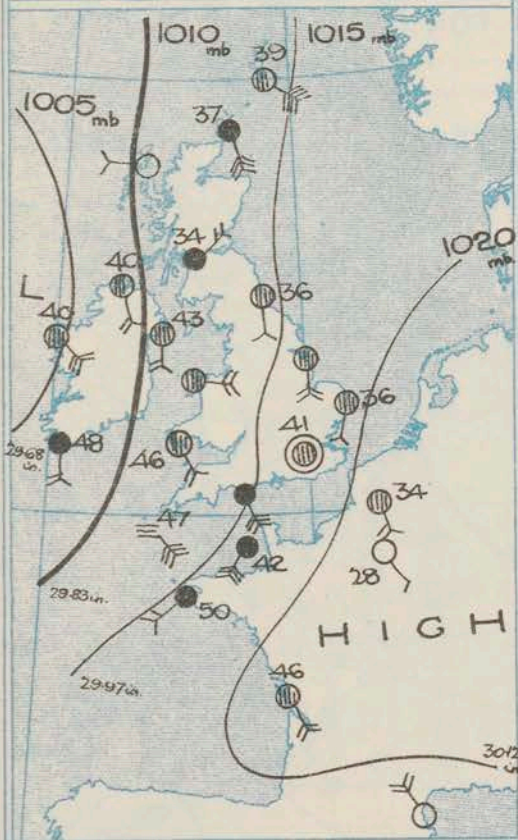
STATIONS.	EVENING OF... 18 TH					MORNING OF... 19 TH										MORNING OF... 19 TH						
	BAROM. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
			Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Dirac.		Force 0-12.	Weather.
RUSSIA.		*F.												*F.	*F.		*F.	*F.				
Orlov ...	*	*	*	*	*	1044.7	*	1	-11	E	2	b	*	*	*	Isafjord ...	991.9	39	+12	SSW	3	b
Kem ...	*	*	*	*	*	1038.9	*	3	-13	ENE	2	0	*	*	*	Reykjavik	991.5	39	+9	ESE	6	bc
Archangel	*	*	*	*	*	1039.9	*	-11	-21	E	4	b	*	*	*	Vestmanna	995.5	39	+3	S	4	c
Mesen...	*	*	*	*	*								*	*	*	Seydisfjord	1005.2	36	+9	SE	6	r
SWEDEN.							*						*	*	*	Thorshavn	1014.3	36	+4	SSE	4	o
Haparanda							*						*	*	*	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM						
Hernösand							*						*	*	*	20 TH & 21 ST JAN, 1919.						
Stockholm							*						*	*	*		Sunrise.	Noon.	Sunset.			
Wisby							*						*	*	*		G.M.T.	G.M.T.	G.M.T.			
Sordovalä							*						*	*	*	Yarmouth ...	7.53	12.4	4.15			
Hangö							*						*	*	*		7.52	12.4	4.16			
ITALY.																Greenwich ...	7.56	12.11	4.26			
Venice ...						1010.7	*	34	-2	-	0	b	-	41	30		7.55	12.11	4.27			
Turin ...	1009.1	36	-	0	c	1003.7	*	43	-	NE	5	r	27	46	41	Wick ...	8.44	12.23	4.3			
Pesaro ...	1000.3	43	N	3	r												8.42	12.23	4.5			
Leghorn						998.6	*	41	-4	N	1	b	-	48	41	Valencia ...	8.39	12.52	5.5			
Rome ...	996.7	41	N	3	c	997.9	*	46	-2	NW	1	0	3	50	34		8.38	12.52	5.6			
Viesti ...	996.6	48	-	0	o																	
Brindisi						998.5	*	41	-2	NNW	4	c	7	55	36							
Cagliari	1003.4	46	WNW	5	o	995.3	*	45	-3	-	0	o	15	52	37							
Palermo	1002.6	46	WNW	4	o																	
Tripoli																						

LONDON		HUMIDITY.		Sun- shine loc	TEMPERATURE.			Rain- fall.	WEATHER.		
		15 h.	9 h.		Max.	Min.	Min. on Grass		Morning.	Afternoon.	Night.
20 TH JAN., 9h. G.M.T.		19 TH	20 TH	19 TH	° F.	° F.	° F.	mm.			
GREENWICH (Royal Observatory)		87	95	0.1	40	29	33	1	od	o	or
CITY (Bunhill Row) ..		*	*	0.0	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)		90	98	0.0	42	30	27	0.8	*	*	*
" (Roof near Charing Cross)		76	92	0.0	42	34	*	1	fxm	om	om
CAMDEN SQ. (British Rainfall) ..		-	97	0.0	41	29	25	1	-	-	*
KENSINGTON PALACE		-	93	*	40	30	?	1.2	fx	o	*
RICHMOND PARK.		*	*	0.0	*	*	*	*	*	*	*

SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 19 TH .		
Total.	Average Rate.	Max. Rate.
131	4.3	14

20TH JAN, at 1h. G.M.T.

THE MORNING OF MONDAY, 20TH JANUARY 1919 at 7h. G.M.T.



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. Calm.

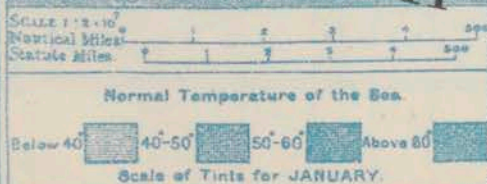
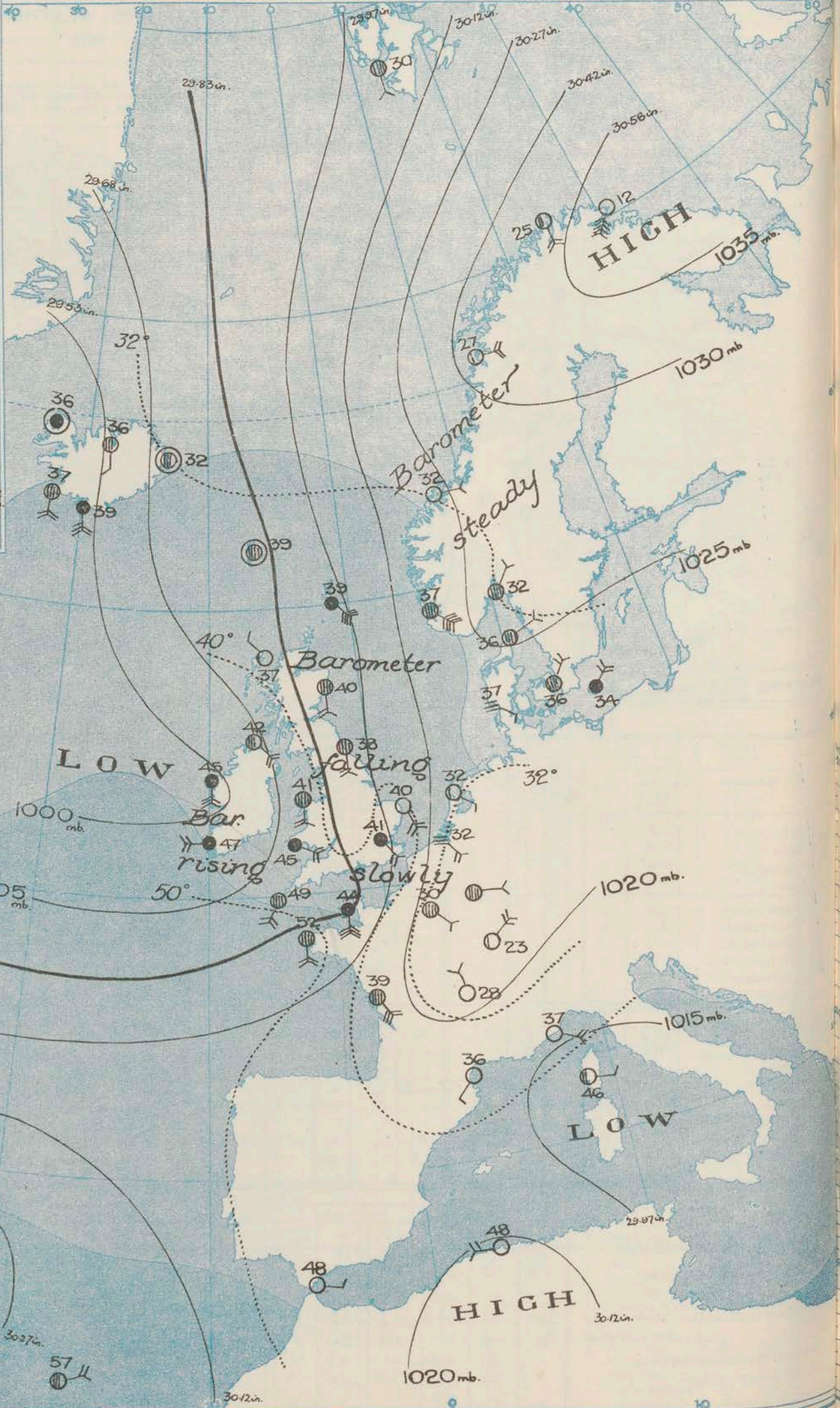
TEMPERATURE.—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

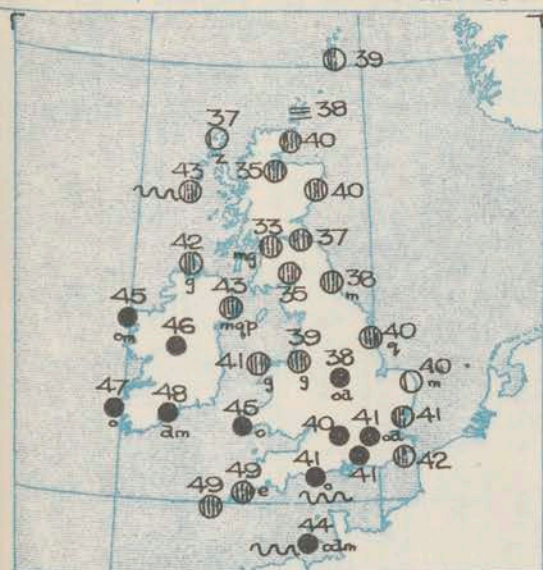
WEATHER.—Shown by the following symbols:—

○ clear sky. ○ sky ½ clouded. ○ sky ¾ clouded. ○ sky 100% clouded. ○ overcast sky. ● rain falling.

✕ snow. ▲ hail. ≡ fog. ≡° mist. T, thunder. K, thunderstorm.

SEA DISTURBANCE.—Rough ~~~~~ High~~~~~





NOTES.

STORNOWAY.

Aurora last night.

LERWICK.

S.E. 8. 01-07 h.

WICK.

S.E. 8. 19-22 h.

Notes on the Weather of the 24 hours ended 7h. Today

Rain fell in all districts, but except at Falmouth, where 23 mm. was measured, the amounts were small. More than 4 hours of sunshine were recorded in SW. Ireland, but elsewhere little or none, Clacton being the only station outside Ireland to record more than an hour. Temperature was rather low, the maximum failing to reach 40° at many stations.

The Conditions at 7h. Today

A large area of low pressure extends from our Atlantic coasts to the west of Iceland, a centre being apparently located off the west coast of Ireland. An anticyclone in which pressure exceeds 1035 mb. lies over the region of the North Cape, stretching south-westward to Denmark. Winds are mainly Southerly, moderate to fresh in force over the British Isles, but a high wind from SE. is blowing between the north of Scotland and the Norwegian coast. Rain is falling at many of the British Stations, more especially in the south and west. Fog prevails over an area including Flanders, Holland and Western Denmark.

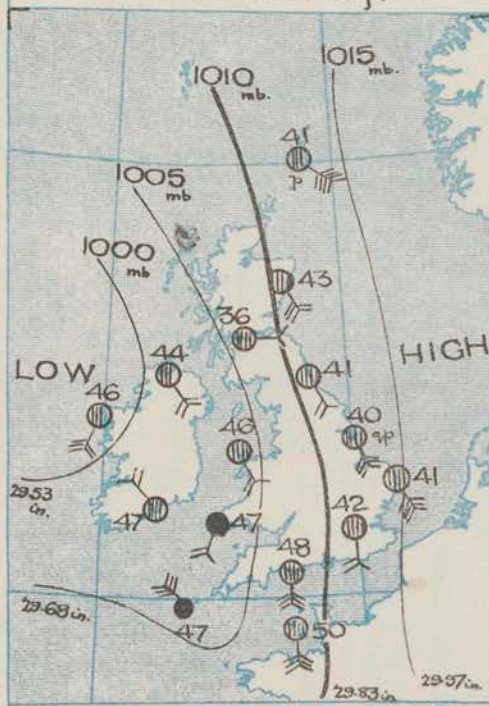
The Outlook

The distribution favours the passage of secondaries over the British Isles. Weather is, therefore, likely to remain unsettled, with winds chiefly from the south-west quadrant.

H.H.

Monday, 20th

JANUARY, 1919, at 13h. (1p.m.) G.M.T.



The depression off the west of Ireland has not much changed its position but a V-shaped secondary has developed over south-west England and is moving eastward.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919. No. 20

MONDAY
20TH JANUARY

STATIONS.		EVENING OF...19 TH ...					MORNING OF...20 TH ...										24 HOURS ENDED 7 h...20 TH ...					Sun- shine for 19 TH Hours.							
		Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.										
				Force 0-12.	Dir.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.								
BRITISH ISLANDS.	Lerwick ...	1016.8	38	SSE	6	cm	1014.3	-2	39	+2	SE	7	-	cmgp	4	3	39	36	cm	cm	cmgp	*							
	Houton B. (Orkney) ...	1014.0	36	SSE	8	rf	1011.3	-1	38	+3	S	7	-	om	5	*	38	35	b.ber	c.or	omr.of	*							
	Stornoway ...	1010.5	41	SSE	3	op	1007.9	-1	37	-2	NW	1	-	bz	1	4	41	32	or	or.op	bz	0.0							
	Castlebay (Barra Isd.) ...	1011.8	44	NNE	2	b	1005.6	-4	43	+2	ESE	5	-	op	6	3	47	40	d.ro	a.cb	b.op	0.6							
	Glasgow ...	1016.1	34	ENE	2	omd.	1010.5	-4	33	+2	ENE	3	-	omg	*	6	35	30	osdm	omd.	oropm	0.0							
	Eskdalemuir ...	1017.3	33	SW	2	o	1011.1	-4	35	+13	-	0	-	o	*	2	35	22	ox.o.s.o	o.omo	osm.om	0.0							
	Malin Head ...	1011.2	43	SW	1	cm	1003.3	-3	42	-2	SE	4	SW	eg	3	0.2	45	37	c	cm	eg	0.1							
	Blacksod Point ...	1011.6	44	E	1	og'z	999.8	-4	45	-1	S	5	-	omr	4	1	47	35	bz	cz	oz.ogm	0.1							
	Valencia (Cahirciveen) ...	1015.1	45	S	3	c	1002.7	+3	47	-2	W	4	-	or	4	3	50	43	a.c.b.c	b.c.c	b.c.c.or	4.1							
	Roche's Point ...	1014.5	46	SW	1	f	1001.9	-3	48	+2	S	3	-	d.m	3	5	51	44	b.b.c	c.of	f.odm	*							
	Birr Castle ...	1013.5	42	SE	1	c	1001.6	*	46	+2	E	2	-	r	*	2	49	36	or.c	c	o.c.or	1.7							
	Donaghadee ...	1013.7	42	S	3	omd.	1005.2	-4	43	+4	SSE	5	-	omgp	4	5	44	39	omr	omr	ompg	*							
	Liverpool (Bidston) ...	1016.2	36	SE	4	o	1009.5	-4	39	+5	ESE	3	-	og	3	1	40	34	om	og	omp	0.0							
	Holyhead ...	1015.0	42	SSW	5	oem	1006.7	-3	41	+2	S	3	-	og	2	2	44	38	or.c.o	opdm	pdc	0.0							
	Pembroke (St. Ann's) ...	1014.7	45	ENE	4	o	1005.7	-4	45	+3	ESE	4	-	or	4	6	47	42	oro	odrf	o.or	0.0							
Hartland Quay ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*								
NORTHERN EUROPE.	Scilly (St. Mary's) ...	1016.3	51	WNW	2	f	1006.4	-3	49	+2	SSW	4	-	o	4	6	51	45	omdf	omdf	omfro	0.0							
	Falmouth ...	1015.7	47	SSW	2	oem	1007.3	-4	49	+4	SW	4	-	oe	*	23	49	44	odmrq	orqem	feor	0.0							
	Jersey (St. Aubin) ...	1020.1	41	SSE	5	od	1013.1	-3	44	+5	S	6	-	odm	5	8	44	38	or	or.od	odm	0.0							
	Portland Bill ...	1017.8	42	S	5	or	1009.5	-6	41	-4	S	6	-	or	5	8	45	40	or.c	c.or	or	*							
	Dungeness ...	1021.1	42	SSW	3	b	1016.2	-3	42	+12	S	4	S	c	3	-	43	27	bm.c	c.b.c	b.c.c	*							
	Wick ...	1013.8	38	S	7	r	1010.5	-2	40	+2	SSE	6	-	o	6	2	40	38	b.c.o	omr	omp	*							
	Nairn ...	1013.3	36	-	0	r	1010.2	*	35	+12	-	0	-	og	0	1	36	23	b.c.eg	odg	od.c	0.0							
	Aberdeen ...	1017.0	38	SSW	2	op	1012.6	-2	40	+12	S	3	-	o	2	1	40	27	bz.c.c	ozp	o.c	0.8							
	Leith ...	1016.4	37	SE	1	o	1011.2	-1	36	+7	ESE	1	-	o	1	1	38	29	b.c.2.o	om.o	odo	*							
	Tynemouth ...	1018.4	30	-	0	f	1012.9	-1	38	+9	S	3	-	om	3	1	38	22	f	f	ompom	*							
	Spurn Head ...	1020.1	37	S	2	bcm	1015.2	-2	40	+6	SSE	4	-	og	3	-	40	34	cm	c.bcm	c.ogm	0.7							
	Yarmouth (Gorleston) ...	1020.6	33	-	0	b	1017.6	-4	40	+9	SSE	4	-	bm	3	-	40	23	bm.c	c.f.b	bm.om	*							
	Clacton-on-Sea ...	1021.8	39	SE	2	bcm	1017.7	-3	41	+10	SE	4	S	c	3	-	42	29	b.b.c.m	c.bcm	bcm.oc	1.6							
	Nottingham ...	1019.8	35	SW	1	o	1013.3	*	38	+11	SE	2	SE	od	*	0.4	38	26	c.f.c	f.m.o	oe	0.0							
	Benson (Oxon.) ...	1020.0	35	E	2	o	1012.1	-5	40	+13	SW	5	-	r	*	0.4	40	27	o	o	or	*							
Sth Farnborough ...	*	*	SSE	2	om	1014.0	-2	41	+14	SSE	5	-	r	*	0.2	41	27	x.omr	bm	o.od	0.0								
Salisbury Plain ...	1019.7	37	SE	2	od.	1012.4	-5	41	+11	SE	4	-	or	*	3	41	30	om	omdod	odr	*								
London (Kew Obsy.) ...	1020.5	37	-	0	om	1014.6	-3	41	+13	SSE	3	-	od.	*	0.1	41	28	f.x.fe	feom	om.od	0.0								
FRANCE, &c.	Spitsbergen ...	1013.6	28	WSW	2	S	1016.3	0	30	S	2	*	o	*	*	30	25	THE BEAUFORT SCALE OF WIND FORCE. Limits of Velocity. No. Statute miles per hour. Metres per second. 0 Less than 1 Less than 0.3 1 1-3 0.3-1.5 2 4-7 1.6-3.3 3 8-12 3.4-5.4 4 13-18 5.5-7.9 5 19-24 8.0-10.7 6 25-31 10.8-13.8 7 32-38 13.9-17.1 8 39-46 17.2-20.7 9 47-54 20.8-24.4 10 55-63 24.5-28.1 11 64-75 28.5-32.5 12 Above 75 33.6 or above											
	Vardö ...	1028.6	18	?	6	S	1037.0	0	12	-9	SW	9	-	b	4	*	21					12							
	Gjesvær ...	1032.8	19	S	4	b	1033.6	*	25	+6	S	4	-	bc	2	-	25					18							
	Bodö ...	1031.8	27	E	5	b	1031.3	0	27	0	E	4	-	b	2	-	27					23							
	Christiansund ...	1025.5	34	SE	2	b	1024.6	0	32	+2	E	2	-	b	2	-	34					23							
	Skudesnaes ...	1023.5	34	NE	4	b	1023.0	0	37	0	ESE	8	-	o	4	-	39					30							
	Færder (Xiania Fjord) ...	1028.3	32	NNE	4	o	1027.9	0	32	+2	NE	2	-	o	1	*	32					30							
	The Scaw (Skagen) ...	1024.7	37	E	3	o	1025.7	0	36	-1	ENE	2	-	o	2	9	39					230							
	Blaavands Huk ...	1017.7	37	S	1	m	1024.0	+1	37	-2	SE	4	-	f	*	-	41					28							
	Copenhagen ...	1024.7	37	ESE	2	o	1024.3	+0	36	-1	NE	3	-	o	*	-	39					34							
	Bornholm ...	1023.1	37	NE	3	m	1021.6	-1	34	-3	NE	4	-	r	1	1	39					32							
	The Helder ...	1021.7	37	SSW	1	b	1021.5	0	32	-7	SE	1	-	b	2	-	45					30							
	C. Gris Nez ...	1019.1	37	SSE	2	b	1018.1	-4	36	-1	SSE	4	*	o	*	-	43	34											
	La Hève ...	1021.6	39	SSW	2	o	1016.2	-5	37	-6	SSE	5	*	r	*	1	39	37											
	Brest (St. Mathieu) ...	1019.0	50	SSW	3	o	1011.5	-3	52	+6	S	4	*	o	*	16	52	45											
Roche fort (Ile d'Aix) ...	1023.4	45	SE	3	o	1018.9	-3	39	0	SSE	5	*	o	*	-	46	39												
Biarritz ...	1023.4	43	E	2	c	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
IBERIA, &c.	Paris ...	1024.3	32	-	0	f	1021.6	-2	30	+3	SSE	2	*	o	*	-	37	25	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 50 per cent. z dust haze; the turbid atmosphere of dry weather.										
	Belfort ...	-	-	-	-	-	1023.9	*	23	-7	ENE	4	*	b	*	-	39	21											
	Lyons ...	1022.6	34	NNW	3	b	1021.5	-3	28	-8	NW	2	*	b	*	-	41	28											
	Nice ...	1012.2	45	E	3	bc	1015.5	+3	37	-2	ESE	3	*	b	*	-	54	37											
	Perpignan ...	1019.3	43	NW	6	b	1019.0	+1	36	-3	SW	1	*	b	*	-	45	34											
MEDITERRANEAN.	Sanguinaire ...	1008.0	48	NW	2	c	1012.6	+6	46	0	E	1	*	bc	*	-	52	246											
	Corunna ...	1022.9	55	-	0	o	1016.1	-16	52	-2	SW	3	-	o	3	trace	57	52											
	Madrid ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									-	-	-
	Lisbon ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									-	-	-
	Azores (Horta) ...	1023.1	*	-	0	b	1025.2	+0	55	-2	-	0	*	b	2	-	66	55											
	„ (P. Delgada) ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-				
	Madeira ...	1023.1	61	E	3	r	1023.9	0	57	0	NE	3	N	c	3	-	66	55											
	Gibraltar ...	1018.6	55	NW	1	b	1018.6	*	48	-	E	1	*	bc	1	-	61	46											
	Algiers ...	1018.1	52	N	2	b	1020.3	+1	48	-6	W	3	-	b	6	-	55	45											
	Malta ...	*	*	*	*	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
	Salonica ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
	Athens ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
	Candia ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
	Limassol ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
	Alexandria ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
Cairo (Helwan) ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									

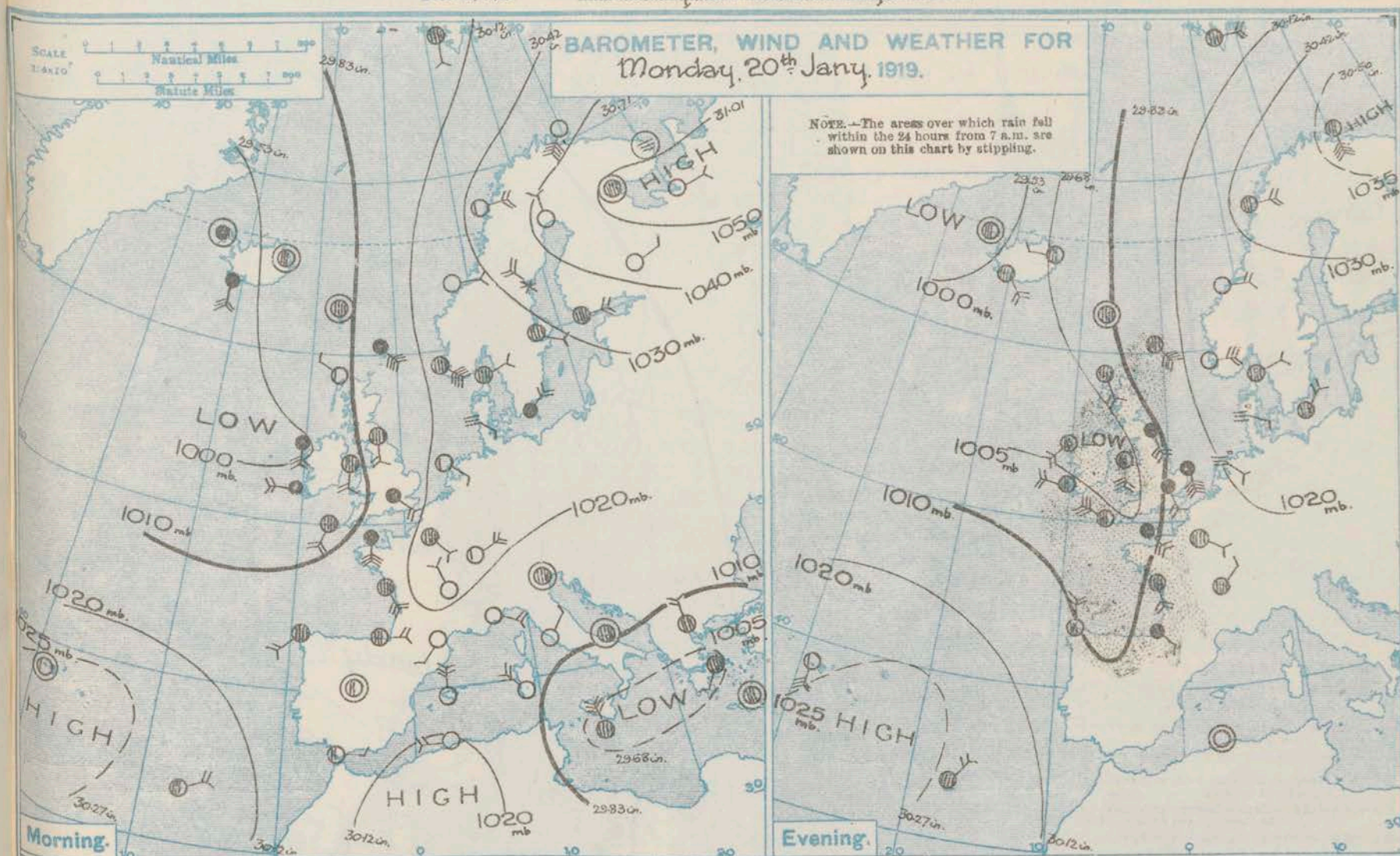
* Information for these columns not usually received.

* Received too late for insertion in Charts

+ The barometric change is expressed in half-millibars

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20879. Tuesday, 21st January, 1919.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 20th JANUARY

WEATHER

STATIONS.	EVENING OF... 19 th ...					MORNING OF... 20 th ...										MORNING OF... 20 th ...						
	BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
			Dir.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Dir.		Force 0-12.
		°F.						°F.	°F.				°F.	°F.			°F.	°F.				
Orlov ...	*	*	*	*	*	1044.1	-	-17	-18	-	0	f	-	*	*	Isafjord ...	998.1	36	-3	-	0	r
Kem ...	*	*	*	*	*	1050.3	-	-11	-14	-	0	f	-	*	*	Reykjavik	996.7	37	-2	s	5	o
Archangel ...	*	*	*	*	*	1052.8	0	-24	-13	E	2	b	-	*	*	Vestmanna	999.4	39	0	s	5	r
Mesen...	*	*	*	*	*									*	*	Seydisfjord	1006.0	32	-4	-	0	c
Haparanda ...						1045.4	*	-13	-	N	2	b	*	*	*	Thorshavn	1009.0	39	+3	-	0	o
Hernösand ...						1031.4	*	21	-	NW	4	s	*	*	*	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM						
Stockholm ...						1029.1	*	32	-	ESE	2	o	*	*	*							
Wisby ...						1022.1	*	32	-	ESE	2	o	*	*	*	21 st and 22 nd Jan 1919.	Sunrise.	Noon.	Sunset.			
Sordovala ...						1043.5	*	-9	-	ENE	1	b	*	*	*	Yarmouth ...	7.52	12.4	4.16			
Hangö ...						1032.6	*	19	-	E	4	o	*	*	*	Greenwich ...	7.55	12.11	4.27			
Venice ...	1013.4	45	NE	1	o	1015.3	*	43	-	-	0	o	-	43	43	Wick ...	8.42	12.23	4.5			
Turin ...	1015.5	37	-	0	b	1018.3	*	32	-2	-	0	b	-	45	30	Valencia ...	8.38	12.52	5.6			
Pesaro ...	1011.5	48	N	3	o	1014.5	*	43	0	NW	2	o	3	50	41							
Leghorn ...	1010.9	45	-	0	b	1013.0	*	45	-	-	0	c	-	50	41							
Rome ...	1005.9	45	N	1	c	1010.3	*	43	+2	NE	1	b	-	50	41							
Viesti ...	1008.2	46	SSW	1	b	1010.5	*	48	+2	-	0	o	2	50	41							
Brindisi ...							*															
Cagliari ...	1012.7	48	NW	5	b	1011.8	*	43	+2	NW	4	b	-	54	39							
Palermo ...							*															
Tripoli ...							*															

LONDON		HUMIDITY.		Sun-shine for.	TEMPERATURE.			Rain-fall.	WEATHER.		
		7.5 h.	9 h.		Max.	Min.	Min. on Grass.		Morning.	Afternoon.	Night.
21 st January, 9h. G.M.T.		20 th	21 st	20 th	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)		93	89	0.0	42	37	34	3	od. or	or	or, 0
CITY (Bunhill Row)		*	*	0.0	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)		92	89	0.0	43	39	35	4	*	*	*
(Roof near Charing Cross)		92	86	0.0	44	39	*	4	orm	ormy	opdy
CAMDEN SQ. (British Rainfall)		100	87	0.0	42	39	33	6	0, or	or	*
KENSINGTON PALACE		-	81	*	42	38	?	6	or	ro	*
ST. JAMES'S PARK		*	*	0.0	*	*	*	*	*	*	*

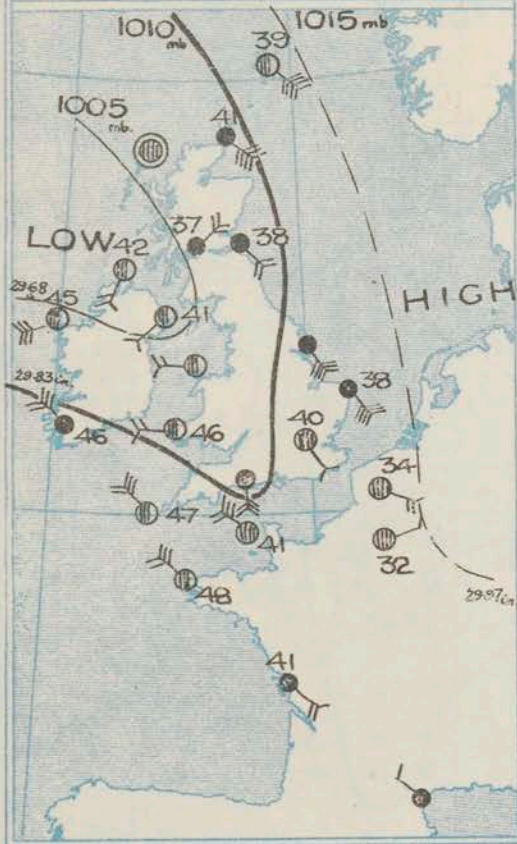
SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 2.0 th		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
61	2.0	5

NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.

† The barometric change is expressed in half-millibars.

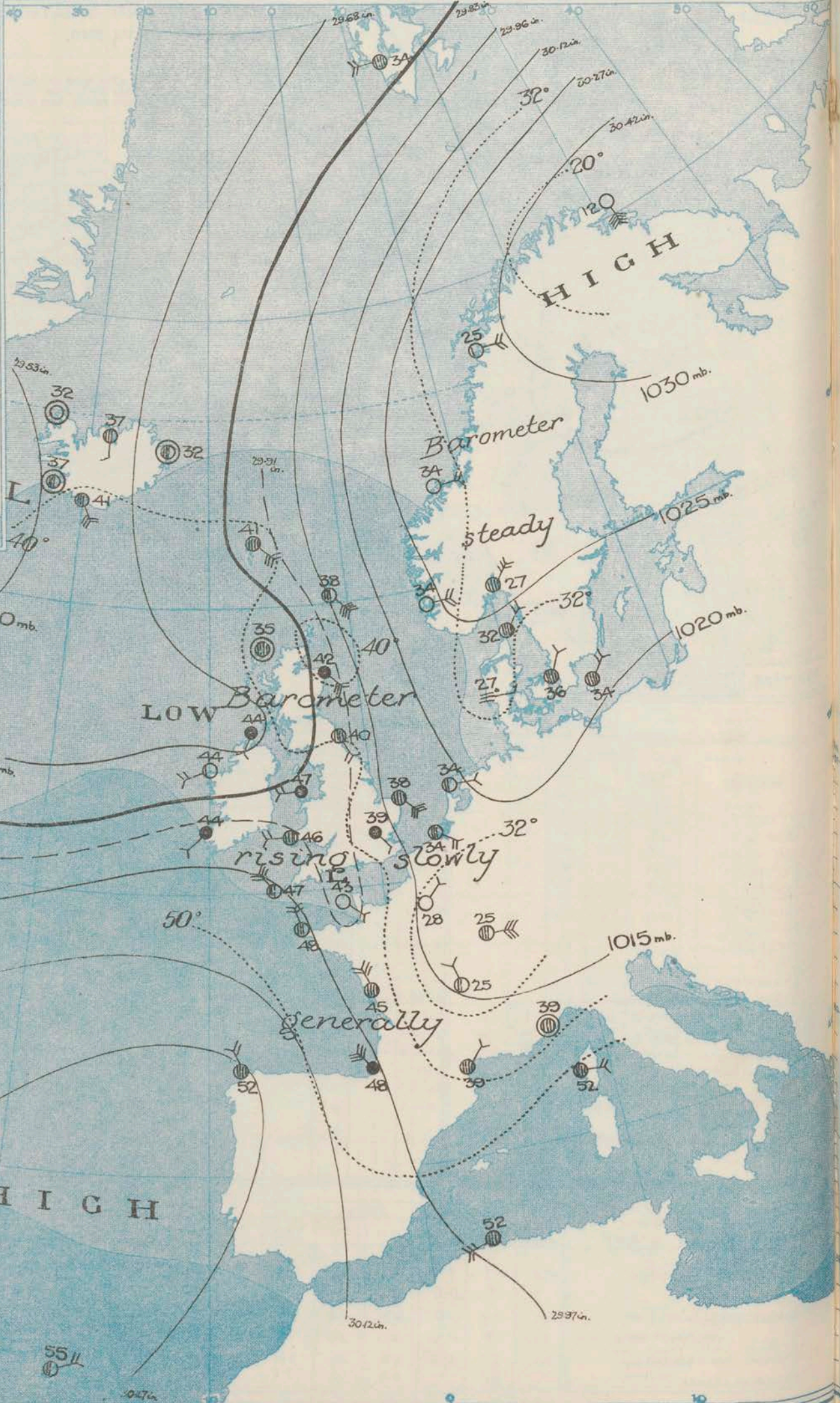
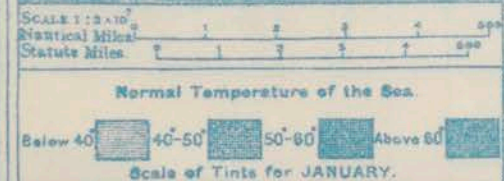
21ST JAN, at 1h. G.M.T.

THE MORNING OF TUESDAY, 21ST JANUARY 1919 at 7h. G.M.T.

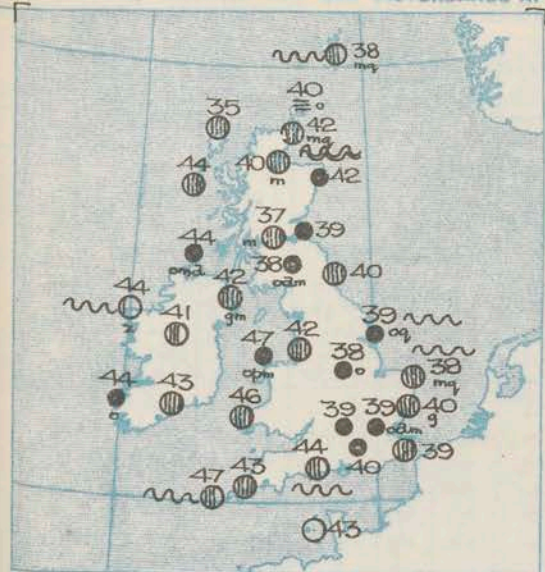


EXPLANATION.

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. *Calm*
TEMPERATURE.—Given in degrees Fahrenheit.
 Isotherms shown by dotted lines.
WEATHER.—Shown by the following 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



TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



NOTES.

LERWICK.

SE. 8. 1h. 20h to 7h. 21st.

GORLESTON.

S. 8. 17-18h.

Notes on the Weather of the 24 hours ended 7h. Today

Rain again fell in all districts, the largest measurements occurring in Eastern Scotland (Leith 19 mm.) and Southern England (Jersey and Salisbury Plain 14 mm.). Except in the west of Ireland the day was entirely sunless. Air temperature rose to 50° at Pembroke and Scilly, but failed to reach 40° at some stations in Southern Scotland.

The Conditions at 7h. Today

Pressure remains low over an area extending from west of Iceland to North Ireland, and a large anticyclone continues to cover North Russia and Scandinavia. Anticyclonic conditions also prevail south-westward from the Bay of Biscay. These high pressure areas are separated by a trough of relatively low pressure extending from Southern England over Western France. Winds are very complex over the British Isles, the main currents being a strong SE-S. wind over the eastern districts and a light to moderate Westerly breeze over Ireland and our South-western areas. A strong NW. wind is found over the Bay of Biscay and at the Mouth of the Channel. Weather continues very unsettled, and rain is falling at many of the British stations.

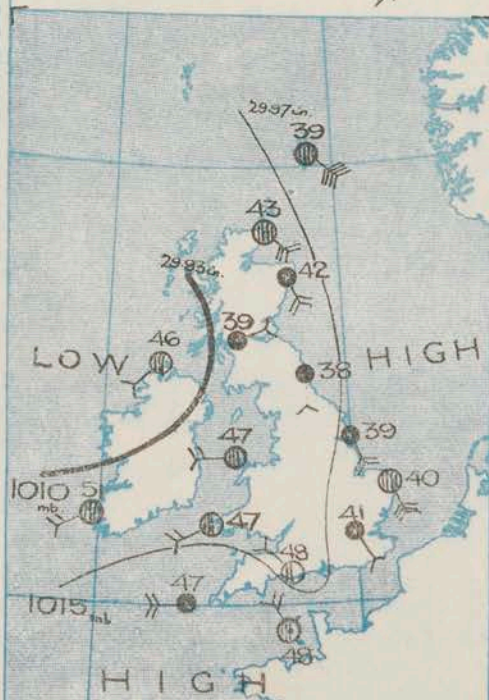
The Outlook

The meteorological situation is one of much complexity, and the direction which subsequent developments will take is very doubtful. While the western and northern districts are likely to suffer from unsettled conditions due to the development of secondaries from the low pressure system in the north-west, it is not improbable that the anticyclone in the south-west will control the conditions in the south by extending north-eastward.

HA

Tuesday, 21st

JANUARY, 1919, at 13h. (1p.m.) G.M.T.



Pressure has risen generally, otherwise little change in the distribution has occurred since this morning.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919, No. 21.

TUESDAY
21st JANUARY.

STATIONS.		EVENING OF.....					MORNING OF.....										24 HOURS ENDED 7 h.....					Sun shine for Hours.
		Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barometer.		TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. °F.	Change in 24 hours. °F.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.	
BRITISH ISLANDS.	Lerwick	1013.2	41	SE	8	omf	1015.4	+1	38	-1	SE	8	-	cmg	5	2	41	37	cmf	cmf	cmg	
	Houton B. (Orkney)	1009.7	40	SSE	9	om	1009.4	0	40	+2	SE	9	-	om	6	*	41	37	d	om	omd	
	Stornoway	1005.4	43	SSE	3	o	1007.1	+2	35	-2	-	0	-	o	0	1	43	34	b.o	o,c,o	o	0.0
	Castlebay (Barra Isd.)	1003.0	43	SE	4	o	1006.4	+2	44	+1	E	3	-	o	3	2	44	41	ofr	ro	or,o	0.0
	Glasgow	1007.1	36	ENE	3	omd	1008.8	+3	37	+4	ENE	2	-	om	*	7	37	33	omg	omg	od,om	0.0
	Eskdalemuir	1007.2	34	SE	2	od	1009.8	+2	38	+3	SSE	2	-	odm	*	8	39	34	omg	omg	or,odm	0.0
	Malin Head	1001.7	43	SSE	3	omd	1003.1	+2	44	+2	SSW	2	-	omd	3	3	45	42	cm	omd	omd	0.0
	Blacksod Point	1001.2	44	SW	4	bcmf	1003.5	+2	44	-1	WSW	3	-	by	5	3	47	38	bcmf	bcmf	ch,bch	
	Valencia (Cahirveen)	1006.8	46	WNW	4	ch	1013.2	0	44	-3	SW	2	-	or	4	4	48	44	or,bc	bch,c	bch,or	4.4
	Roche's Point	1006.5	45	WNW	3	bc	1013.2	+1	43	-5	WSW	2	-	o	2	3	49	42	do	o,c,bc	b,bc,o	
	Birr Castle	1004.2	43	S	1	c	1010.5	*	41	-5	SW	1	-	c	*	4	46	39	or,od	od,c	e	0.1
	Donaghadee	1002.4	44	SE	4	ogmf	1007.8	+3	42	-1	SW	3	-	ogm	2	3	45	40	ogmf	ogmf	ogmf	
	Liverpool (Bidston)	1004.8	44	SE	3	o	1010.5	+2	42	+3	SSE	1	-	o	1	4	45	39	om	ch	or	0.0
	Holyhead	1002.6	47	S	5	c	1010.2	+1	47	+6	W	3	-	ofm	2	5	47	41	ofd,o	ofd,om	ofd,c	0.0?
	Pembroke (St. Ann's)	1003.8	45	WNW	4	or	1012.6	+3	46	+1	W	3	-	o	4	6	52	45	omrph	ch,or	o,c,o	0.0
	Hartland Quay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Scilly (St. Mary's)	1007.3	47	WNW	6	c	1015.0	+3	47	-2	NW	6	-	c	6	10	50	46	omdr	or,c	c	0.0
	Falmouth	1005.3	45	NW	6	ch	1014.6	+3	43	-6	NW	4	-	c	*	9	49	41	dmr	rdmg	b,bc	0.0
	Jersey (St. Aubin)	1009.0	42	SE	5	or	1012.2	+1	43	-1	SE	2	-	b	4	14	46	40	odm,og	og,or	or,b	0.0
	Portland Bill	1006.2	46	S	6	or	1012.0	+5	44	+3	N	3	N	c	5	6	48	43	or	of	o,c	*
	Dungeness	1012.1	42	S	5	r	1014.7	+2	39	-3	S	3	-	o	3	3	42	38	ch,c	c,or	or,or,o	*
Wick	1009.3	44	SSE	6	o	1009.5	0	42	+2	SSE	7	-	omg	7	1	44	40	omf	omg	omf	*	
Nairn	1006.9	38	S	1	bc	1008.0	*	40	+5	-	0	-	om	0	1	40	34	cgm	cm	bc,cf	0.0	
Aberdeen	1011.0	42	SE	6	ogf	1011.3	0	42	+2	SE	5	-	r	5	15	43	40	om,o	ogf	ogf	0.0	
Leith	1007.6	37	ESE	2	r	1008.7	0	39	+3	ESE	2	-	r	2	19	39	34	a	o,do	r	*	
Tynemouth	1009.2	40	SSE	5	rg	1011.0	+1	40	+2	SSE	3	-	o	4	6	41	38	omf	omf	omf	*	
Spurn Head	1010.2	39	SSE	7	ogf	1013.2	+1	39	-1	SSE	6	-	ogf	6	8	40	35	ogf	ogf	ogf	0.0	
Yarmouth (Gorleston)	1014.0	38	S	8	omg	1015.4	+1	38	-2	SSE	6	-	omg	6	5	41	37	em,om	om,cg	omg	*	
Clacton-on-Sea	1013.8	39	SE	6	ogf	1015.4	+1	40	-1	SE	4	-	og	3	7	41	37	c,og	ogf	ogf,og	0.0	
Nottingham	1008.8	41	SE	3	or	1012.5	*	38	0	SSE	2	-	or	*	8	41	38	or	r	ro,c	0.0	
Benson (Oxon.)	1009.3	42	SE	4	o	1012.6	+2	39	-1	SE	4	-	r	*	10	43	38	or	ro	or	*	
St. Farnborough	-	-	SSE	4	odm	1013.9	+2	40	-	SE	4	-	om	*	7	43	38	odm	odm	odm	0.0	
Salisbury Plain	1008.4	42	SE	3	or	1007.5	+3	40	-1	SE	2	-	od	*	14	44	38	or	or,or	odrd	*	
London (Kew Obsy.)	1011.1	41	SSE	3	od	1014.5	+2	39	-2	SE	1	-	omd	*	6	42	38	od,or,o	o,of,od	od,od,omd	0.0	
NORTHERN EUROPE.	Spitsbergen	1015.7	34	E	4	o	1007.5	-1	34	+4	W	4	*	o	*	*	36	27	THE BEAUFORT SCALE OF WIND FORCE.			
	Vardö	1037.1	9	S	8	c	1032.7	-1	12	0	S	8	-	b	5	*	12	9				
	Gjesvær	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Limits of Velocity.			
	Bodö	1032.0	25	E	4	c	1029.3	-1	25	-2	E	4	-	b	2	-	27	21	No.	Statute miles per hour.		Metres per second.
	Christiansund	1025.7	34	E	3	b	1027.8	0	34	+2	E	3	-	b	2	-	36	30				
	Skudesnaes	1023.9	36	E	5	b	1024.4	0	34	-3	E	4	-	b	2	-	39	34				
	Færder (Xlantiafjord)	1026.9	34	NE	4	o	1028.4	0	27	-5	NE	5	-	o	2	Trace	34	27				
	The Scaw (Skagen)	1024.2	36	ENE	2	o	1023.8	-1	32	-4	NE	3	-	o	3	-	37	32				
	Blaavands Huk	1023.4	34	ESE	1	m	1023.4	-1	27	-10	E	1	-	m	*	-	39	25				
	Copenhagen	1022.6	36	N	3	o	1021.9	+1	36	0	NNE	2	-	o	*	-	36	34				
Bornholm	1020.6	34	NE	3	o	1020.2	+1	34	0	NE	3	-	o	1	2	34	28					
FRANCE, &c.	The Helder	1020.0	34	SE	2	m	1019.5	+1	34	+2	E	2	-	bc	1	-	36	30				
	C. Gris Nez	1014.3	36	SSE	5	r	1016.3	+1	32	-4	SE	3	*	b	*	6	43	32				
	La Hève	1013.2	39	SE	5	r	1014.9	+2	34	-3	E	3	*	o	*	4	46	34				
	Brest (St. Mathieu)	1008.8	43	NW	6	o	1016.6	+3	48	-4	NNW	4	*	c	*	4	?	?				
	Rochefort (Ile d'Als)	1012.0	41	SSE	4	o	1013.5	+4	45	+6	NNW	5	*	o	*	3	46	39				
	Biarritz	1012.8	50	ESE	1	r	1015.5	+2	48	?	WNW	6	-	r	14	52	45					
	Paris	1017.2	32	ESE	2	o	1015.8	+1	28	-2	ENE	2	*	b	*	-	36	28				
	Belfort	1020.7	25	E	6	f	1018.3	*	25	+2	E	6	*	c	*	-	32	23				
	Lyons	1017.9	30	NE	1	o	1016.4	0	25	-3	NNW	2	*	bc	*	-	37	25				
	Nice	-	-	-	-	-	1014.0	0	39	+2	-	0	*	o	*	-	54	37				
IBERIA, &c.	Perpignan	-	-	-	-	-	1012.8	-1	39	+3	NE	2	*	o	*	4	50	36				
	Sanguinaire	-	-	-	-	-	1014.7	-1	52	+6	E	3	*	o	*	-	57	48				
	Corunna	1010.0	52	N	4	c	1015.4	+2	52	0	NNW	3	-	o	4	5	55	48				
	Madrid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	Lisbon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	Azores (Horta)	1024.7	*	S	5	b	1023.1	-2	61	+6	SSE	5	*	o	3	1	64	55				
	„ (P. Delgada)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	Madeira	1024.3	63	NE	3	o	1026.6	0	55	-2	NE	3	NE	bc	3	-	66	54				
	Gibraltar	1020.0	56	NW	2	b	1020.0	*	49	+1	NW	3	*	bc	4	-	62	48				
	MEDITERRANEAN.	Algiers	1017.9	52	-	0	b	1014.1	0	52	+4	WSW	5	-	o	4	-	59	48			
Malta		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Salonica		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Athens		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Candia		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Limassol		-	-	-	-	-	1015.5	0	54	0	-	0	-	b	4	-	66	50				
Alexandria		1015.8	59	S	6	b	1016.4	0	54	-	SW	3	-	b	2	-	68	50				
Cairo (Helwan)	1017.7	59	SE	2	b	1017.7	+2	52	-	SE	3	-	b	-	-	66	50					

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.

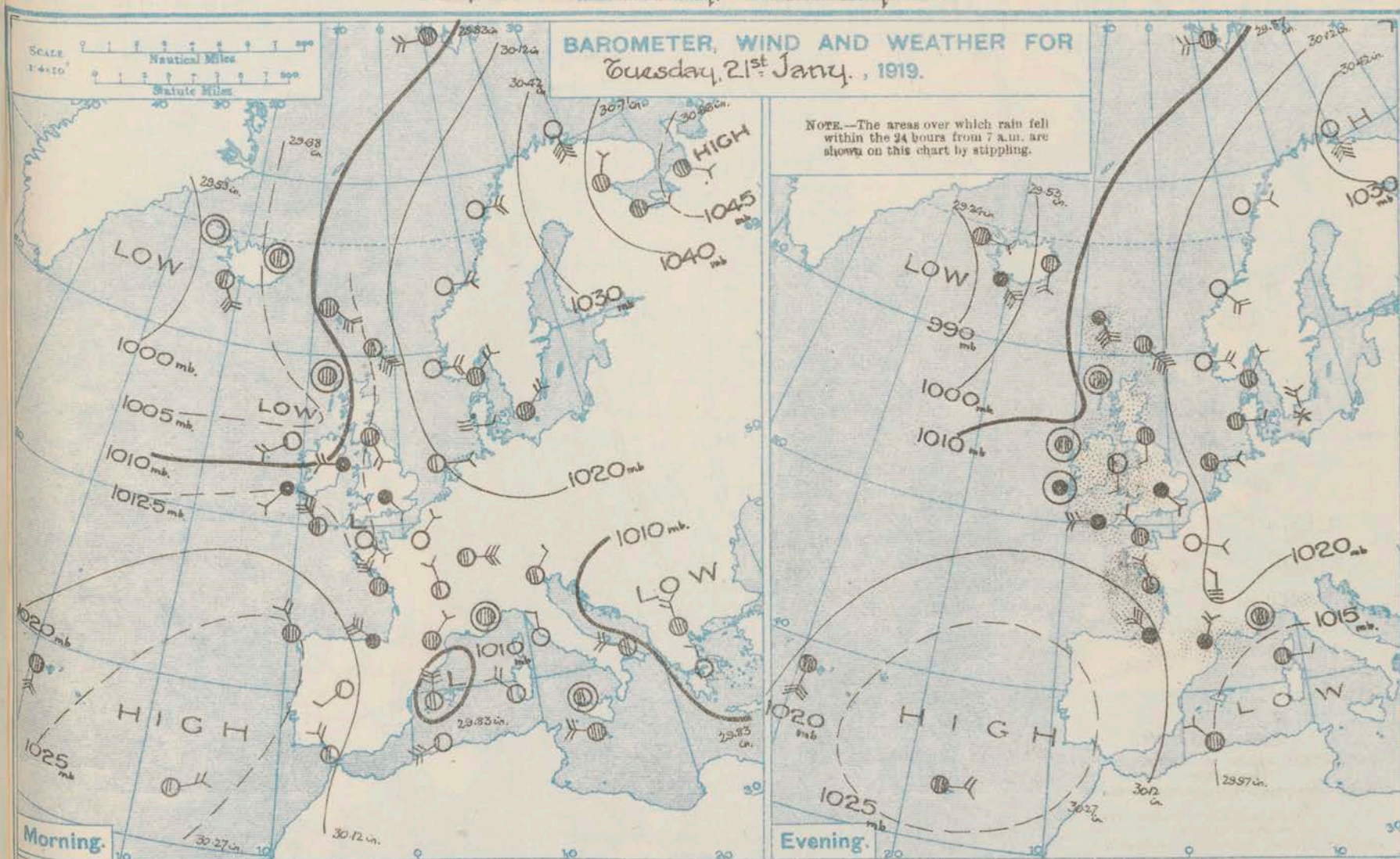
x hoar frost.

y dry air; humidity less than 60 per cent.

z dust haze; the turbid atmosphere of dry weather.

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

N20880. Wednesday, 22nd January 1919.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 21ST JANUARY.

STATIONS.	EVENING OF 20 TH					MORNING OF 21 ST										MORNING OF 21 ST								
	BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Weather.	Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.		
			Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.			Max.	Min.			Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.			
		°F.						°F.	°F.					°F.	°F.			°F.	°F.					
RUSSIA.																								
Orlov ...	...	*	*	*	*	*	1043.8	*	5	+22	W	1	f	*	*	*	Isafjord ...	1000.8	32	-4	-	0	b
Kem ...	...	*	*	*	*	*	1044.4	*	5	+16	ESE	1	o	*	*	*	Reykjavik	1000.8	37	0	-	0	c
Archangel ...	...	*	*	*	*	*	1048.4	-2	-9	+15	SE	3	o	-	*	*	Vestmanna						
Mesen...	...	*	*	*	*	*									*	*	Seydisfjord	1007.0	32	0	-	0	c	
SWEDEN.																	Thorshavn	1011.0	41	+2	SE	5	o	
Haparanda ...	...						*							*	*	*	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM						
Hernösand						*							*	*	*	22 ND & 23 RD JAN. 1913.		Sunrise.		Noon.		Sunset.	
Stockholm						*							*	*	*			G.M.T.		G.M.T.		G.M.T.	
Wisby						*							*	*	*	Yarmouth	7.51	12.5	4.18			
Sordovalva						*							*	*	*	Greenwich	7.50	12.5	4.20			
Hangö						*							*	*	*	Wick	7.54	12.12	4.29			
ITALY.																	Valencia	7.53	12.12	4.31			
Venice ...	1015.9	43	ENE	1	o	1015.9	*	39	-4	NE	1	c	-	45	39			8.40	12.24	4.7				
Turin ...							*											8.39	12.24	4.9				
Pesaro ...	1015.7	45	WNW	2	o	1015.7	*	41	-2	NW	1	o	-	48	39			8.37	12.53	5.0				
Leghorn ...							*											8.36	12.53	5.0				
Rome ...	1012.2	45	N	1	b	1013.0	*	37	-6	-	0	b	-	55	37									
Viesti ...	1010.6	48	NW	2	b	1010.9	*	46	-2	NW	2	b	-	52	39									
Brindisi ...	1008.3	54	NW	4	b	1011.1	*	50		NW	4	c	-	55	50									
Cagliari ...	1014.3	48	NW	4	b	1014.3	*	46	+3	NW	3	b	-	57	45									
Palermo ...	1011.5	50	-	0	o	1013.8	*	46		-	0	c	-	55	41									
Tripoli ...							*																	

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

22 ND & 23 RD JAN. 1919.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.51	12.5	4.18
Greenwich ...	7.50	12.5	4.20
Wick ...	7.54	12.12	4.29
Valencia ...	7.53	12.12	4.31
	8.40	12.24	4.7
	8.39	12.24	4.9
	8.37	12.53	5.8
	8.36	12.53	5.10

LONDON				24 HOURS ENDED 9 h. 22 ND				WEATHER.		
22 ND JANUARY 9h. G.M.T.				TEMPERATURE.				Morning.		
	Humidity.	Sunshine for		Max.	Min.	Min. on Grass.	Rain-fall.			
	15 h.	9 h.	21 ST							
GREENWICH (Royal Observatory)	90	87	0.0	41	32	27	6	o.c.x.o	or	o.r.os.
CITY (Bunhill Row)	*	*	0.0	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	85	83	0.0	43	35	29	4.5	*	*	*
" (Roof near Charing Cross)	88	84	0.0	44	35	*	4	omd.omr	omrd	omr
CAMDEN SQ. (British Rainfall)	92	87	0.0	42	31	26	5	o	o.r.o	*
KENSINGTON PALACE	-	82	*	40	33	27	4.5	or	ro	*
RICHMOND PARK	*	*	0.0	*	*	*	*	*	*	*

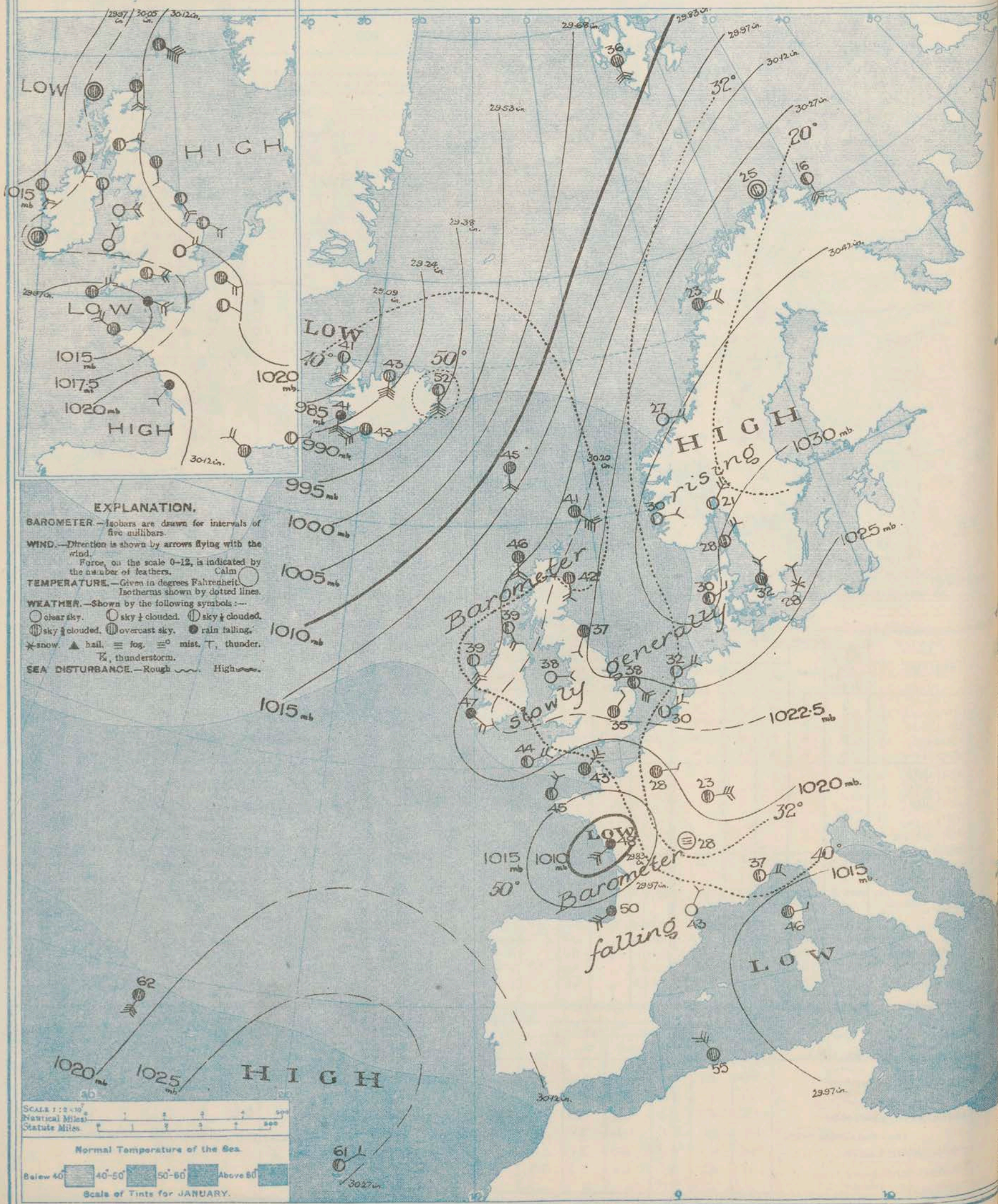
SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 21 ST		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
126	4.1	13

NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.

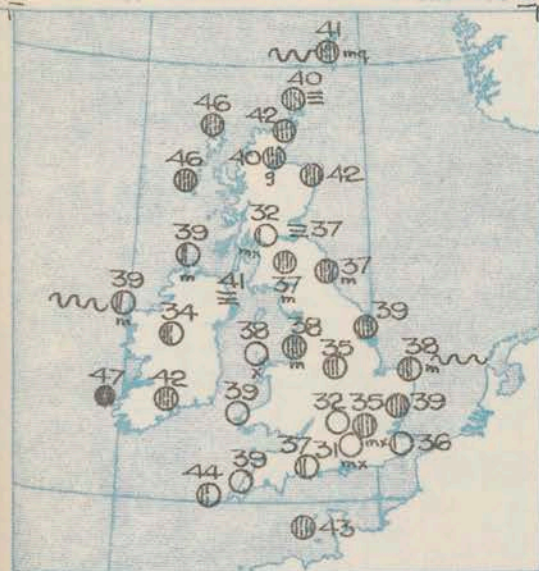
± The barometric change is expressed in half-millibars.

22ND JAN, at 1h. G.M.T.

THE MORNING OF WEDNESDAY, 22ND JANUARY 1919 at 7h. G.M.T.



TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



NOTES.

LERWICK

Extreme SE. 9. 10h. 21st - 1h. 22nd
Gale 1h. 20th to 5h. 22nd
from SE.

Notes on the Weather of the 24 hours ended 7h. Today

Precipitation was heaviest in the south-west, 18 mm. being measured at Valencia and 16 mm. at Falmouth. A little snow fell during the night in the Midlands and SE. England. Sunshine was again almost everywhere nil, Pembroke and Jersey being the only stations to record so much as an hour. Temperature differed little from the normal for the season.

The Conditions at 7h. Today

The anticyclone which was over North Russia and Scandinavia yesterday has spread south-westward and now extends over the North Sea and the eastern parts of the British Isles. Pressure has fallen considerably to NW. of Ireland. A new depression which appeared early this morning at the Mouth of the Channel has moved south-eastward and is now centred near Rochefort. The development of an Easterly wind current over our Southern districts is accompanied by a marked fall of temperature. Moderate Southerly winds are blowing over Ireland and Scotland.

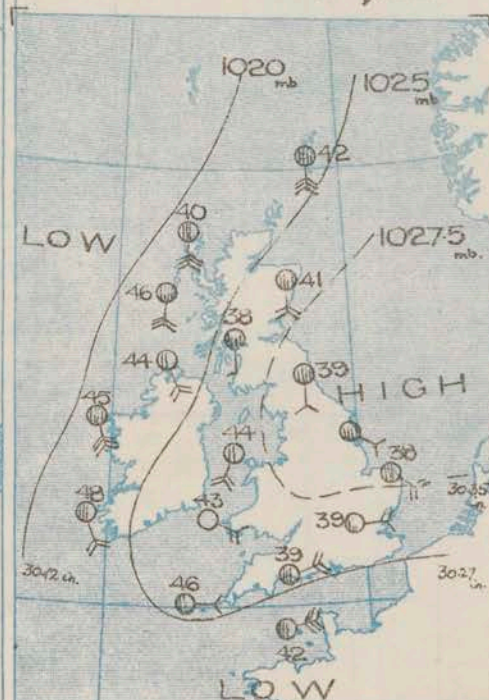
The Outlook

The depression over Western France appears to be moving south-eastward and is not likely to directly affect our area. Snow showers are, however, not improbable in the south. In the north and west the Southerly wind is likely to be maintained. On the whole prospects are more favourable for a spell of fair weather than has been the case of late.

H. H.

Wednesday, 22nd

JANUARY, 1919, at 13h. (1 p.m.) G.M.T.



The anticyclone continues to expand south-westward. Pressure now exceeds 1025 mb. over the greater part of the British Isles.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919. No. 22.

WEDNESDAY

MONDAY

22ND JANUARY

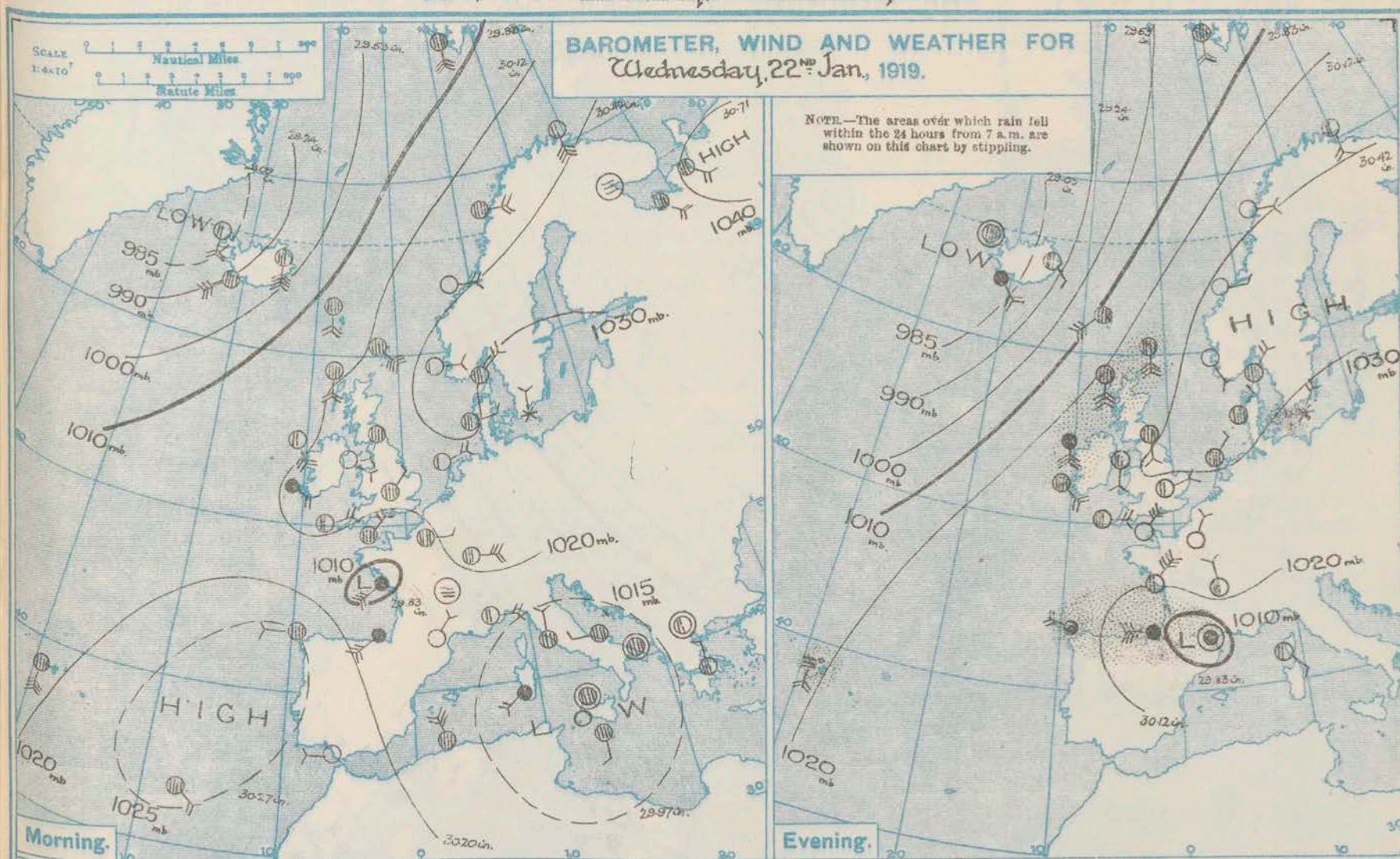
STATIONS.		EVENING OF 21 ST					MORNING OF 22 ND										24 HOURS ENDED 7 h. 23 RD							Sun- shine for 21 ST Hours.
		Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 9-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.					
				Direc.	Force 0-12.				Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.			
BRITISH ISLANDS.	Lerwick ...	1017.4	40	SE	9	omq	1020.6	+2	41	+3	SE	7	-	omq	6	2	41	37	cmqp	omqp	omq			
	Houton B. (Orkney) ...	1015.3	40	SSE	7	om	1021.9	+1	40	0	S	5	*	om	3	*	40	38	om	d	ome			
	Stornoway ...	1013.5	37	-	0	oz	1019.4	+2	46	+11	S	4	-	o	3	-	46	34	oz	oz	om.o	0.0		
	Castlebay (Barra Isd.) ...	1012.7	45	E	3	o	1020.1	+4	46	+2	SSE	4	-	o	4	0.2	47	44	o	o	op.o	0.0		
	Glasgow ...	1015.5	39	ENE	2	om	1024.7	+4	32	-5	-	0	-	bme	*	1	39	31	omp	dom	omd.p.t	0.0		
	Eskdalemuir ...	1015.9	39	-	0	odm	1025.1	+5	37	-1	-	0	-	om	*	3	40	37	or.odm	odm	odm.om	0.0		
	Malin Head ...	1010.1	44	SW	2	om	1020.1	+2	39	-5	SSE	3	S	bcm	2	0.1	47	37	cm	cm	bcm	0.0		
	Blackod Point ...	1012.1	41	-	0	omp	1018.7	+4	39	-5	SSE	5	-	bcm	5	-	44	36	om	omp	cm.bcm	*		
	Valencia (Cahireveen) ...	1012.2	50	-	0	dm	1020.8	+5	47	+3	SE	3	-	r	4	18	51	44	or	ordm	md.o.d.o	0.0		
	Roche's Point ...	1013.2	45	E	3	o	1022.8	+2	42	-1	E	1	-	o	3	8	45	40	or	mdom	odm.o	*		
	Birr Castle ...	1012.4	42	SE	1	o	1022.1	*	34	-7	E	1	-	c	*	-	43	32	o	o	ex	0.0		
	Donaghadee ...	1013.8	42	S	2	cm	1021.9	+5	41	-1	S	2	-	of	2	-	47	41	ogm.cm	cm	ogm.bc	*		
	Liverpool (Bidston) ...	1015.7	43	SSE	1	o	1024.0	+3	38	-4	ESE	3	-	om	2	3	45	38	v.bc	cr	p.om	0.7		
	Holyhead ...	1014.9	48	S	1	b	1023.2	+3	38	-9	E	2	-	bx	0	2	48	36	op.o.c	c.o.bc	bx	0.3		
	Pembroke (St. Ann's) ...	1014.9	45	-	0	op	1022.6	+7	39	-7	NE	2	-	b	3	1	47	39	u.c	o.op	ode.b	1.3		
	Hartland Quay ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*		
	Scilly (St. Mary's) ...	1014.6	50	W	5	omp	1020.7	+4	44	-3	ENE	3	NE	bc	4	6	50	42	c.om	omp	c.bc	0.0		
	Falmouth ...	1014.9	45	SSW	3	or	1021.0	+5	39	-4	NE	3	-	b	*	16	47	37	c.o	o.or	rde.bc	0.0		
	Jersey (St. Aubin) ...	1017.1	45	NW	2	om	1016.4	+1	43	0	NE	3	-	o	3	15	50	41	bc	copom	omr.o	1.3		
	Portland Bill ...	1015.1	46	WSW	1	bc	1019.3	+6	37	-7	NE	5	NE	bc	4	0.3	48	37	bc	bc.c	bc.c	*		
	Dungeness ...	1017.3	40	S	3	c	1021.4	+3	36	-3	SE	4	SE	b	4	-	40	35	ac	c	c.o.c	*		
Wick ...	1015.7	42	S	5	omq	1022.1	+2	42	0	S	4	-	o	5	0.2	43	41	ompq	ompq	omg	*			
Nairn ...	1014.8	37	-	0	cm	1021.9	*	40	0	-	0	-	og	0	1	43	36	po.cm	cm	cg	0.0			
Aberdeen ...	1016.9	42	SE	4	od	1024.0	+2	42	0	S	3	-	o	3	2	42	41	orq.or	odp	od.o	0.0			
Leith ...	1015.5	40	SSE	1	m	1023.2	+2	37	-2	SW	1	-	f	2	2	42	35	r	om.o	m.op	*			
Tynemouth ...	1016.5	39	S	1	om	1024.8	+4	37	-2	SSW	2	-	o	3	4	41	37	omr	omp	om	*			
Spurn Head ...	1017.3	38	SSE	4	ogr	1025.1	+3	39	0	ESE	3	-	o	4	5	39	36	ogr	ogr	c.o	0.0			
Yarmouth (Gorleston) ...	1018.5	39	SE	4	o	1024.2	+2	38	0	SE	5	-	cm	5	-	40	37	omq	omq	omq.cm	*			
Clacton-on-Sea ...	1018.6	40	SE	4	om	1023.8	+4	39	-1	ENE	4	E	o	3	-	41	38	ogrom	om	om.o	0.0			
Nottingham ...	1016.6	39	E	1	o	1024.8	*	35	-3	E	2	E	c	*	7	39	33	rm	rmo	or	0.0			
Benson (Oxon.) ...	1016.3	41	S	3	o	1022.8	+5	32	-7	N	3	-	b	*	0.3	42	31	om	om	o.bx	*			
Sth Farnborough ...	*	*	SE	2	orm	1023.2	+5	31	-9	ENE	2	-	bm	*	3	41	30	orm	orm	mo.bmx	0.0			
Salisbury Plain ...	1016.4	41	SSE	1	c	1022.6	+4	33	-7	ENE	3	-	bxm	*	1	43	31	ord.o	o	ome.bc	*			
London (Kew Obs.) ...	1017.6	39	ESE	3	omr	1023.3	+5	35	-4	NE	1	-	omx	*	6	42	34	omd.omr	omd.omr	omr.omd	0.0			
NORTHERN EUROPE.	Spitsbergen ...	1007.9	34	W	4	o	1007.9	-0	36	+2	S	6	*	o	*	36	30							
	Vardö ...	1030.4	16	S	8	b	1028.8	0	16	+4	S	6	-	bc	4	*	16	5						
	Gjesvæ ...	1027.9	21	S	2	b	1026.4	*	25	-	-	0	-	bc	3	-	25	18						
	Bodö ...	1029.1	21	E	2	b	1028.8	0	23	-2	E	4	-	o	2	-	25	18						
	Christiansund ...	1028.7	28	SE	4	b	1029.6	+1	27	-7	E	3	-	b	2	-	25	18						
	Skudesnaes ...	1027.0	30	E	3	b	1031.0	+4	30	+3	E	2	-	b	2	-	36	30						
	Færder (Nanndafjord) ...	1029.0	25	NNE	4	o	1032.4	+3	21	-11	NE	4	-	b	2	-	27	21						
	The Scaw (Skagen) ...	1025.7	30	NE	2	o	1029.1	+2	28	+1	NE	3	-	c	3	-	32	27						
	Blaavands Huk ...	1026.9	32	E	1	o	1031.4	+3	30	-6	ENE	1	-	c	*	-	34	23						
	Copenhagen ...	1024.6	34	NNE	2	o	1027.7	+2	32	-4	N	3	-	o	*	-	36	32						
	Bornholm ...	1022.4	34	N	3	s	1026.0	+2	28	-6	N	2	-	s	1	1	34	27						
FRANCE, &c.	The Helder ...	1022.1	32	E	2	o	1027.4	+3	32	-2	ENE	3	-	b	1	-	36	32						
	C. Gris Nez ...	1018.3	2	SE	3	o	1021.9	+3	32	0	E	4	*	b	2	-	39	30						
	La Hève ...	1017.3	37	SE	2	o	1017.3	0	36	+2	ESE	4	*	o	*	7	39	34						
	Brest (St. Mathieu) ...	1018.6	48	W	4	r	1017.7	-7	45	-3	NNE	3	*	c	*	7	52	45						
	Rochefort (Ile d'Aix) ...	1019.8	48	NNW	3	bc	1006.9	-11	48	+3	WSW	6	*	r	*	10	50	45						
	Biarritz ...	1021.7	48	NW	5	r	1016.4	-5	50	+2	SW	5	*	r	*	17	52	46						
	Paris ...	1019.7	30	ESE	2	b	1019.7	+0	28	0	E	1	*	o	*	-	39	27						
	Belfort ...	1020.0	27	ENE	5	b	1022.4	*	23	-2	E	5	*	c	*	-	30	21						
	Lyons ...	1020.2	28	N	1	f	1013.2	+1	28	+3	-	0	*	f	*	-	30	25						
	Nice ...	1015.1	41	-	0	o	1017.1	+1	37	-2	E	3	*	bc	*	-	46	34						
Perpignan ...	1015.8	46	NNE	3	r	1018.1	-1	43	+4	NE	2	*	b	*	trace	48	39							
Sanguinaire ...	1011.5	48	E	1	o	1013.6	+3	46	-6	E	1	*	o	*	-	52	45							
IBERIA, &c.	Corunna ...	1026.6	54	W	1	o	1026.5	+0	54	+2	W	2	-	o	*	trace	55	50						
	Madrid ...																							
	Lisbon ...																							
	Azores (Horta) ...	1020.3	*	S	6	o	1019.0	0	65	+4	S	6	*	o	4	1	63	61						
	" (P. Delgado) ...	*	*																					
	Madeira ...	1024.8	63	NE	3	b	1025.1	-0	61	+6	ESE	3	NE	bc	3	-	68	55						
Gibraltar ...																								
MEDITERRANEAN.	Algiers ...	1015.0	48	NW	2	o	1018.7	+3	55	+3	NNW	5	-	o	7	16	55	46						
	Malta ...	*	*	*	*	*			</															

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	1.6-5.3
3	8-12	2.4-5.4
4	13-18	3.5-7.9
5	19-24	5.0-10.7
6	25-31	10.8-13.8
7	32-33	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

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20981.

Thursday, 23rd January, 1919.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 22ND JANUARY, 1919.

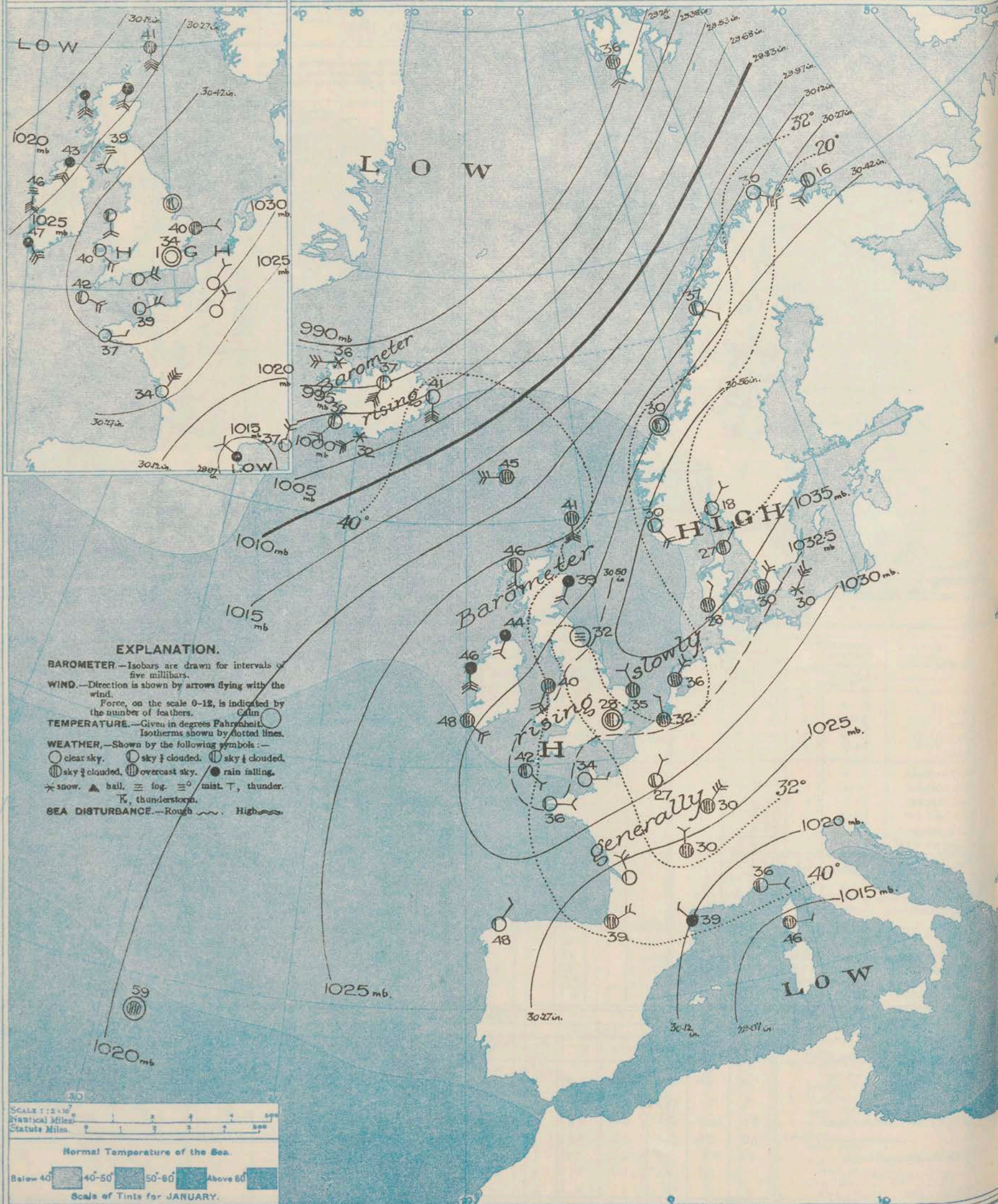
STATIONS.		EVENING OF... 21 ST					MORNING OF... 22 ND										MORNING OF... 22 ND							
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Weather.	Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.			Max.	Min.			Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.		
RUSSIA.	Orlov ...	×	* F. ×	×	×	×	1038.0	+	* F. ×	+9	SW	4	0	*	* F. ×	* F. ×	Isafjord ...	981.2	41	+9	S	5	bc	
	Kem ...	×	×	×	×	×	1036.3	*	-4	-9	—	0	c	*	×	×		Reykjavik	989.2	41	+4	S	6	r
	Archangel	×	×	×	×	×	1040.2	-2	-15	-6	SE	3	c	—	×	×		Vestmanna	993.1	43	—	SW	6	o
	Mesen...	×	×	×	×	×									×	×		Seydisfjord	993.2	52	+20	S	8	c
SWEDEN.	Haparanda						×							×	×	×	Thorshavn	1013.3	45	+4	S	4	o	
	Hernösand						*							×	×	×								
	Stockholm						×							×	×	×								
	Wisby ...						×							×	×	×								
	Sordovalä						×							×	×	×								
	Hangö ...						×							×	×	×								
ITALY.	Venice ...	1015.9	43	ENE	1	o	×										TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM	23 RD & 24 TH JAN, 1919.	Sunrise.	Noon.	Sunset.			
	Turin ...					×										G.M.T.						G.M.T.	G.M.T.	
	Pesaro ...	1015.7	45	WNW	2	o	×																	
	Leghorn						×																	
	Rome ...	1012.2	45	N	1	b	1014.1	×	39	+2	N	2	o	—	50	39		Yarmouth ...	7.50	12.5	4.20			
	Viesti ...	1010.6	48	NW	2	b	1014.7	×	46	0	W	1	o	—	50	41		Greenwich ...	7.49	12.5	4.21			
	Brindisi ...	1008.7	54	NW	4	b	1014.3	×	54	+4	—	0	o	—	54	48			7.53	12.12	4.31			
	Cagliari ...	1014.3	48	NW	4	b	1011.7	×	45	-1	SW	4	r	—	57	39		Wick ...	7.52	12.12	4.32			
	Palermo ...	1011.5	50	—	0	o	1011.0	×	46	0	—	0	o	—	55	43			8.39	12.24	4.9			
	Tripoli ...						×												8.38	12.24	4.11			
						×												8.36	12.25	5.10				
						×												8.35	12.53	5.11				

LONDON	Humidity.		Sunshine for	TEMPERATURE.			Rain-fall.	WEATHER.		
	15 h.	9 h.		Max.	Min.	Min. on Grass		Morning.	Afternoon.	Night.
23 RD JANUARY, 9h. G.M.T.	22 ND	23 RD	22 ND	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	75	86	0.3	39	25	19	0.0	o	o.b	c.b.ckf
CITY (Bunhill Row)	*	*	0.1	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	81	100	0.1	40	28	24	0.0	*	*	*
" (Roof near Charing Cross)	80	89	0.1	40	32	*	0.0	o.cm	cm.bcm	bmfx
CAMDEN SQ. (British Rainfall)	82	96	0.0	40	25	23	0.0	o	c.o	*
KENSINGTON PALACE	—	87	*	40	27	18	0.0	o	o.b	*
RICHMOND PARK	*	*	0.1	*	*	*	*	*	*	*

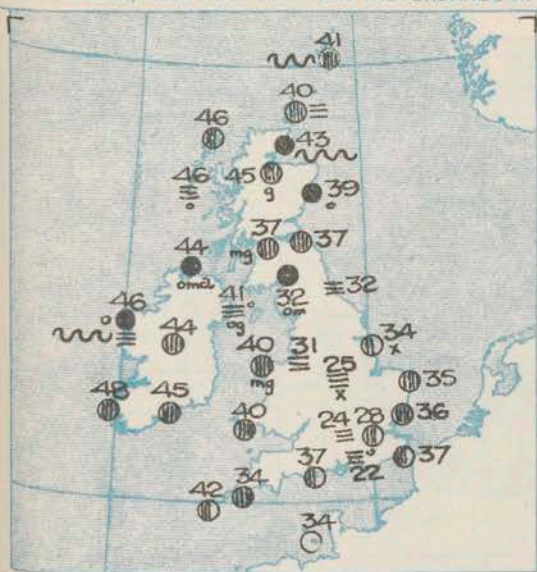
SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 22 ND .		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
149	4.8	15

23RD JAN, at 1h. G.M.T.

THE MORNING OF THURSDAY, 23RD JANUARY 1919 at 7h. G.M.T.



TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



NOTES.

LERWICK.

S.B. 0-6h. (23rd)Notes on the Weather of the 24 hours ended 7h. Today

Slight falls of rain occurred at some of the Northern and Western stations, but on the whole the weather was in marked contrast to the rainy conditions which have prevailed through many weeks. As much as 7 hours of bright sunshine was registered at Scilly. The maximum air temperature failed to reach 40° at many English stations, and at night minimum temperature fell to 21° at South Farnborough and Salisbury.

The Conditions at 7h. Today

A large anticyclone extends south-westward from Scandinavia across the British Isles, the pressure approaching 1040 mb. in the central regions. A light NELY. wind current is blowing over the Netherlands, France, the English Channel and the south coast of England. Winds are Southerly to South-Westerly over the North and West of Scotland and Ireland, this flow being associated with a low pressure system centred northward of Iceland. Rain is falling at many of the western and northern stations, and fog prevails over the Midlands and at several coast stations.

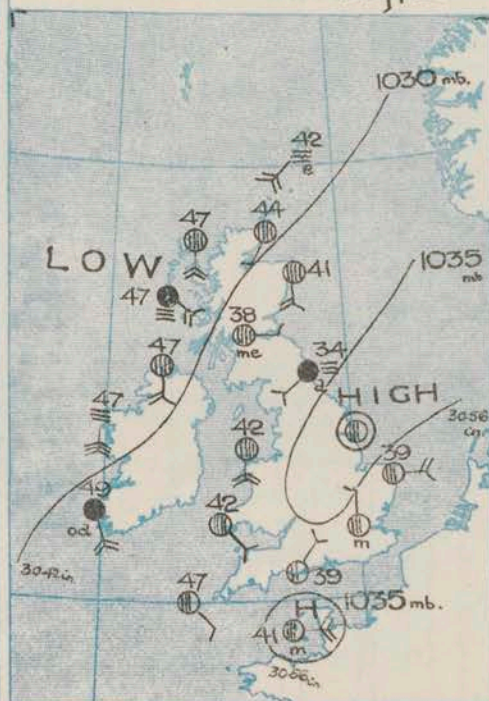
The Outlook

The anticyclone is continuing to expand, and the barometer is now rising over the whole area between Iceland and the south of France. We may, therefore, anticipate some improvement in the weather in the north and west. The existing anticyclonic conditions over England are likely to persist beyond tomorrow.

H.H.

Thursday, 23rd

JANUARY, 1919, at 13h. (1p.m.) G.M.T.



The anticyclone has expanded westward and north-westward somewhat; and pressure now exceeds 1035 mb. over Midlands and eastern England.

THURSDAY,
23RD JANUARY.

ITALY.	SWEDEN.	RUSSIA.
Ve	H	On
Tu	H	Ke
Pe	St	Ar
Le	W	Mo
Ra	So	
Vi		
Br		
Ca		
Pa		
Tr		

GREEN
CITY
WEST

LAND
KENS
RICHM

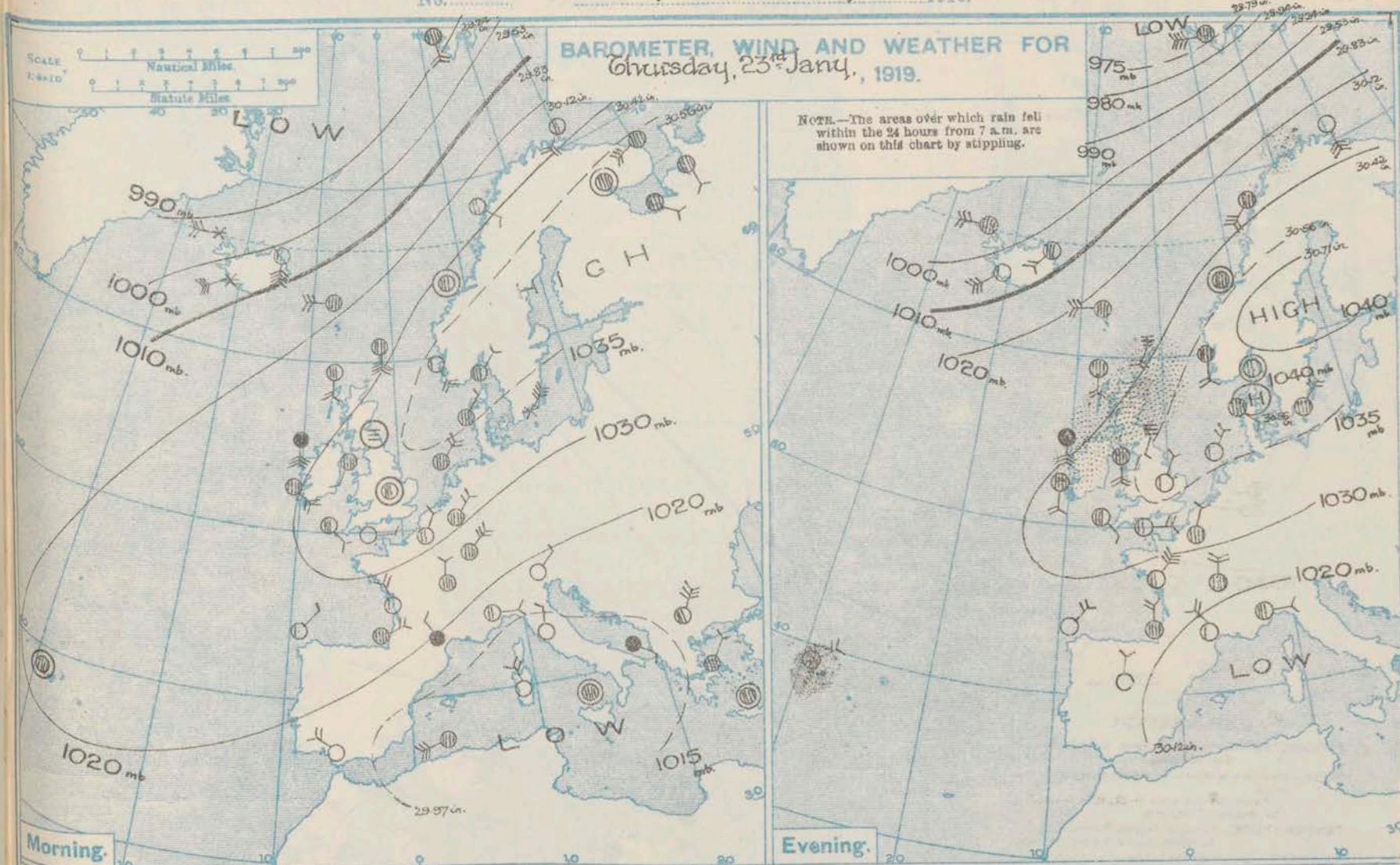
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METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20882.

Friday, 24th January.

1919.



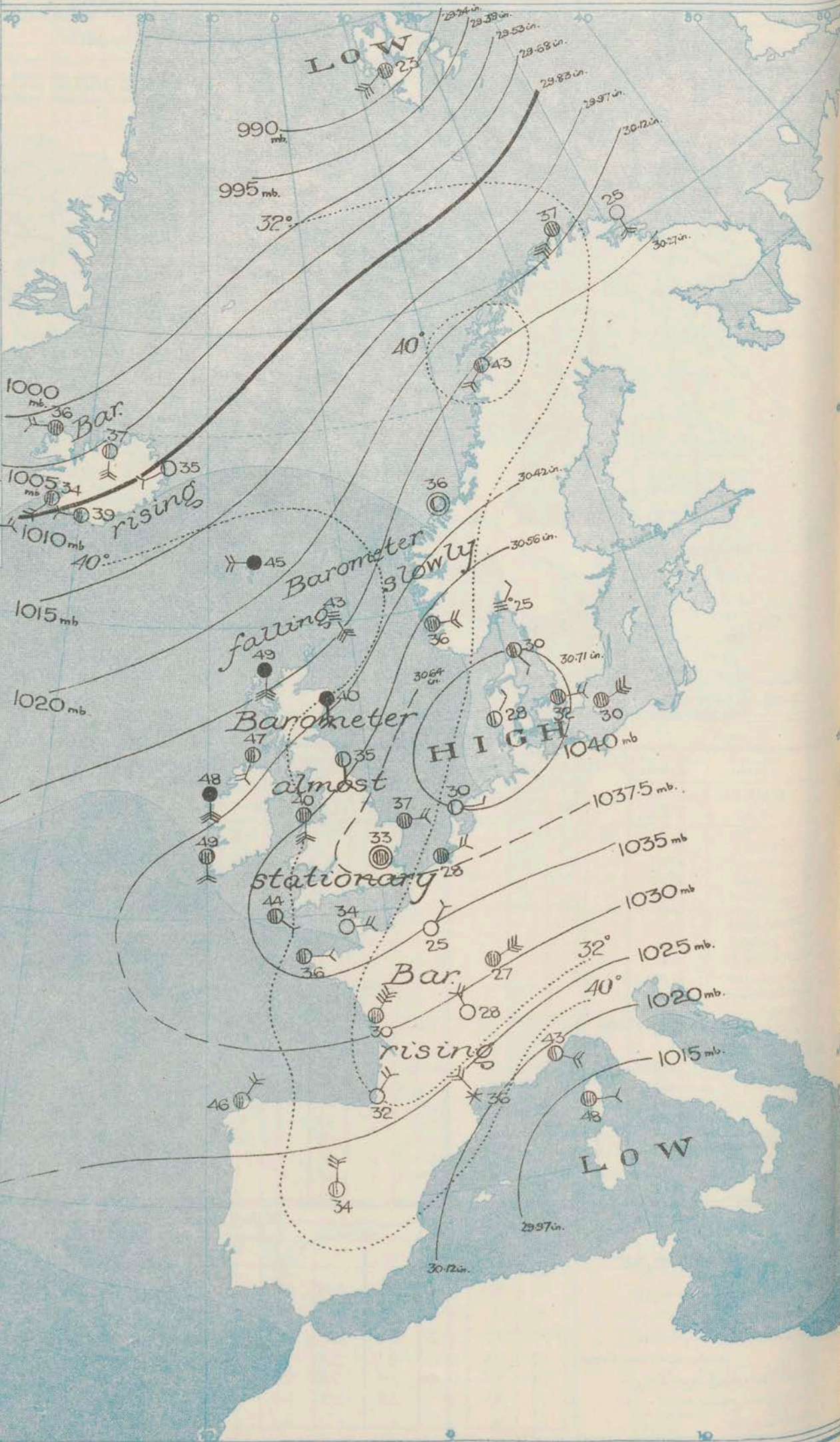
WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 23RD JANUARY.

STATIONS.		EVENING OF... 22 ND					MORNING OF... 23 RD										MORNING OF... 23 RD						
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather	
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Direc.		Force 0-12.
		°F.	°F.				°F.	°F.					°F.	°F.			°F.	°F.					
RUSSIA.	Orlov ...	x	x	x	x	x	10370	x	9	-5	WSW	5	0	x	x	x	Isafjord ...	991.1	32	-9	W	5	S
	Kem ...	x	x	x	x	x	10375	+1	9	+13	SW	1	0	-	x	x	Reykjavik	1000.2	32	-9	SSW	4	bc
	Archangel	x	x	x	x	x	10387	x	10	+25	S	2	0	x	x	x	Vestmanna	1003.0	33	-10	WSW	6	S
	Mesen...	x	x	x	x	x								x	x	x	Seydisfjord	1000.7	42	-10	S	8	b
															x	x	x	Thorshavn	1017.9	45	0	W	5	0
SWEDEN.	Haparanda						x							x	x	x	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM						
	Hernösand						x							x	x	x							
	Stockholm						x							x	x	x	24 TH AND 25 TH JAN, 1919.	Sunrise.	Noon.	Sunset.			
	Wisby ...						x							x	x	x	G.M.T.	G.M.T.	G.M.T.				
	Sordovalä						x							x	x	x	Yarmouth ...	7.49	12.5	4.21			
ITALY.	Hangö ...						x							x	x	x	Greenwich ...	7.52	12.12	4.32			
	Venice ...	1018.7	37	NE	1	b	1019.8	x	32		NE	1	b	-	35	32	Wick ...	7.51	12.12	4.33			
	Turin ...						x										Valencia ...	8.38	12.24	4.11			
	Pesaro ...	1018.3	38	W	1	o	1019.1	x	36		-	0	o	-	43	36		8.36	12.24	4.13			
	Leghorn	1014.7	45	-	0	b	1014.7	x	37		-	0	bc	-	46	36		8.34	12.53	5.12			
	Rome ...	1012.9	45	-	0	bc	1014.1	x	37	-2	N	1	b	-	48	37							
	Viesti ...	1014.6	46	W	1	o	1012.1	x	48	+2	S	2	o	19	52	46							
	Brindisi ...	1010.3	48	SE	2	r	1011.4	x	50	-4	SE	1	r	30	55	46							
	Cagliari	1011.7	48	NW	3	b	1014.3	x	41	-4	NNW	3	b	-	57	36							
	Palermo ...	1009.5	48	-	0	o	1011.5	x	46	0	-	0	o	2	50	41							
Tripoli						x																	

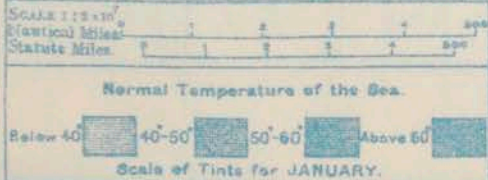
LONDON	Humidity.		Sun-shine for 24 hours.	TEMPERATURE.			Rain-fall.	WEATHER.		
	15 h.	9 h.		Max.	Min.	Min. on Grass.		Morning.	Afternoon.	Night.
21 ST JANUARY, 9h. G.M.T.	23 RD	24 TH	23 RD	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	70	77	0.0	37	30	25	0.0	af	o	CX
CITY (Bunhill Row)	x	x	0.2	x	x	x	x	x	x	x
WESTMINSTER (St. James's Park)	75	78	0.0	40	28	28	0.0	x	x	x
(Roof near Charing Cross)	65	82	0.0	39	34	x	0.0	cm x	cm .0m	cm .0
CAMDEN SQ. (British Rainfall)	73	85	0.0	38	30	23	0.0	o	o	x
KENSINGTON PALACE	-	87	x	38	29	25	0.0	c	o	x
RICHMOND PARK	x	x	0.0	x	x	x	x	x	x	x

SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 23 RD		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
129	4.2	12

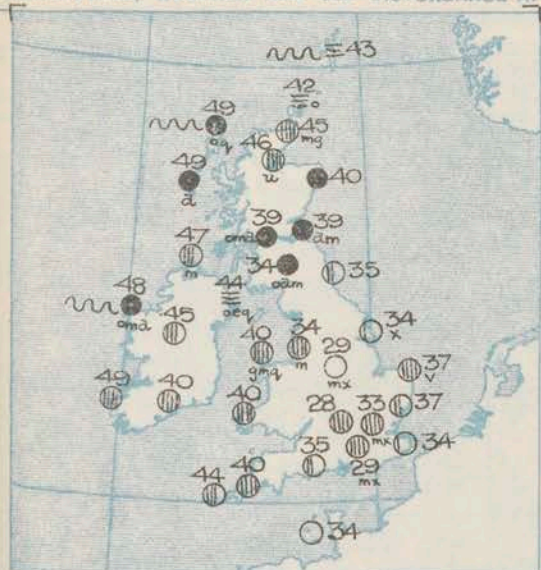
THE MORNING OF FRIDAY, 24TH JANUARY 1919 at 7h. G.M.T.



SEA DISTURBANCE.—Rough ~~~~~ High~~~~~



TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



NOTES.

LERWICK.

Extreme 5.9 at 24h. (23rd)
Gale from S. 21h (23rd) to 06h (24th)

Notes on the Weather of the 24 hours ended 7h. Today

Falls of rain up to 10 mm. occurred at Scottish and Irish stations, and there were some passing showers, in which snow fell locally, in the south of England. The day was sunless in the west and north, but two to three hours of sunshine were registered at English stations. Temperature remained rather low in the south, the maximum at Benson (Oxon) being 33°F. In the north and west maxima reached 45°-50° at most stations.

The Conditions at 7h. Today

Pressure has risen to above 1040 mb. in the central regions of the anticyclone, which lies over Southern Scandinavia, Denmark, the Low Countries and England. A depression lies to northward of Iceland and its influence over our northern and western areas is shown by fresh Southerly to South-Westerly winds and rainy weather. Winds are NEly. to Ely. over France and SE England, strong in places, and weather is for the most part fair or cloudy.

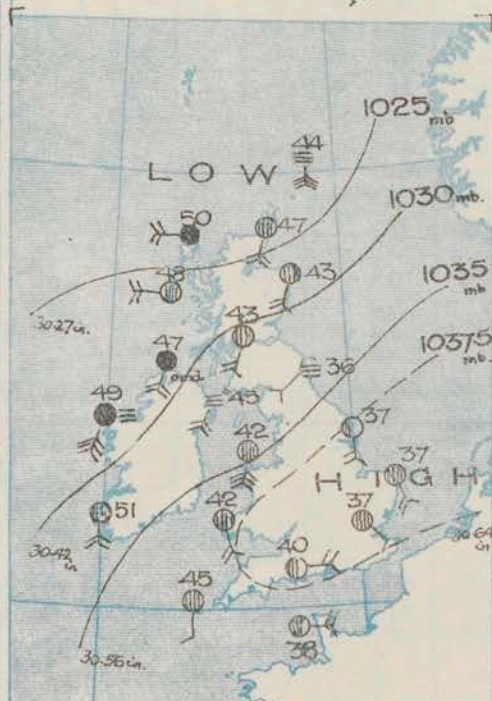
The Outlook

It is probable that the anticyclone will continue to be predominant over England, and rather cold, fair or cloudy, weather accompanied by light winds from between E. and S. may be anticipated. In the north and west prospects are less favourable owing to the presence of the depression to the north-west, which will probably continue to maintain SWly. winds and rather mild unsettled weather.

H. H.

Friday, 24th

JANUARY, 1919, at 13h. (1p.m.) G.M.T.



No change calling for special comment has occurred.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919. No. 24. FRIDAY, 21st JANUARY.

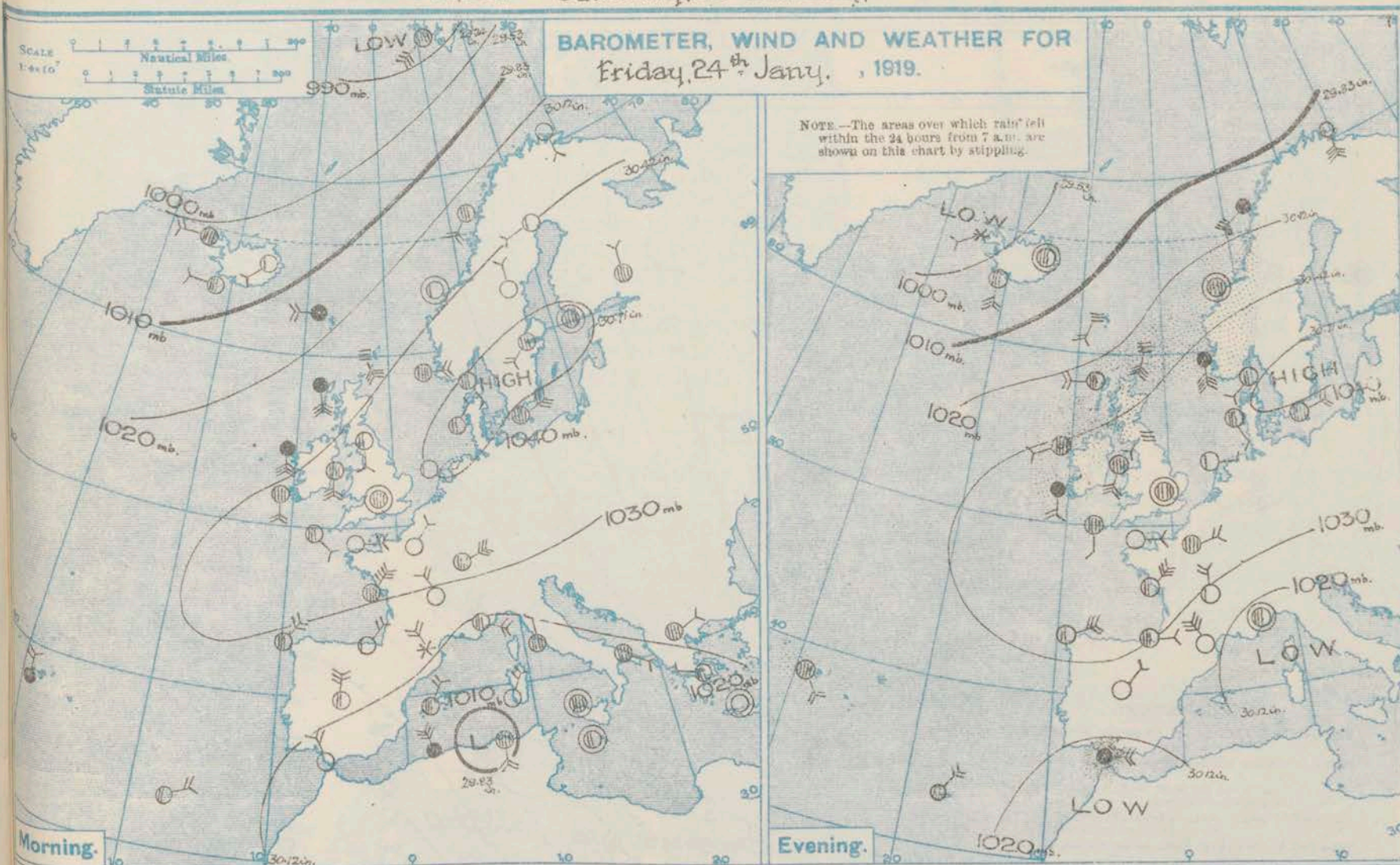
STATIONS.		EVENING OF...23 rd ...					MORNING OF...24 th ...										24 HOURS ENDED 7 h. 24 th ...					Sun- shine for 23 rd Hours.	
		Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barometer.		Temp.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
				Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 24 hours.	Dry °F.	Change in 24 hours.	Direc.	Force 0-12.					Max.	Min.	Morning	Afternoon	Night.		
BRITISH ISLANDS.	Lerwick	1029.3	42	SSW	4	fe	1023.3	0	43	+2	SSE	6	-	f	5	44	43	30	fe	fe	fe	*	
	Houton B. (Orkney)	1029.7	42	SSE	4	oz	1025.7	-1	42	+1	S	2	*	of	2	*	44	40	om.pd	o	prs	*	
	Stornoway	1026.4	47	S	3	o	1022.4	0	49	+3	S	6	-	org	5	8	49	45	c.o	c.o	org	0.0	
	Castlebay (Barrisd.)	1026.6	46	SSE	4	r	1025.0	0	49	-3	SW	4	-	d	4	5	49	43	ofd	f.dr	rd	0.0	
	Glasgow	1032.5	38	SE	1	mr	1032.0	-1	39	+2	S	1	-	omd	*	5	40	36	omg.pd	omd.	rod.pn	0.0	
	Eskdalemuir	1034.4	35	S	2	odf	1034.8	0	34	+2	S	1	-	adm	*	4	35	31	orm.ofe	odf	ofe.ond	0.0	
	Malin Head	1026.5	48	SSW	3	omd	1027.6	0	47	+3	SSW	3	S	cm	3	1	48	43	om	omd	cm	0.0	
	Blackrod Point	1026.8	48	S	6	ofd	1027.4	0	48	+2	S	6	-	omd	6	1	49	43	of	ofd	flamp	*	
	Valencia (Cahireveen)	1030.9	50	S	3	o	1032.1	0	49	+1	S	4	-	o	3	1	50	48	md	adm	odg	0.0	
	Roche's Point	1032.6	47	-	0	d	1034.2	0	40	-5	S	4	-	o	4	1	49	40	oz	oz.adm	od.o	*	
Birr Castle	1030.6	48	S	1	o	1031.8	*	45	+1	SE	1	-	c	*	-	48	43	og	og	o.c	0.0		
Donaghadee	1030.9	44	SSW	3	ofd	1030.6	0	44	+3	SW	4	-	afeg	4	1	45	41	om.ofd	ofd	ofd	*		
Liverpool (Bidston)	1035.0	34	SE	3	o	1036.5	0	34	+3	SE	3	-	om	2	-	36	31	om	om	bc.o	0.0		
Holyhead	1033.0	43	S	4	omg	1034.9	+1	40	0	S	5	-	omg	4	trace	43	39	o.opm	omg	omg	0.0		
Pembroke (St. Ann's)	1034.2	41	SSE	2	oz	1036.5	+1	40	0	SE	3	-	o	3	-	42	40	oz	oz	o	0.0		
Hartland Quay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*		
WICK, &c.	Scilly (St. Mary's)	1034.1	43	SE	1	c	1035.8	0	44	+2	SE	2	SE	c	3	-	48	39	c	c	c	2.2	
	Falmouth	1034.2	39	NNE	1	bm	1036.6	+1	40	+6	ESE	3	-	o	*	-	43	33	bcm.om	om.cm	cm.o	2.8	
	Jersey (St. Aubin)	1033.6	38	E	3	bc	1036.2	+1	34	0	E	3	-	b	2	-	42	32	bc.o.bc	bc.o.bc	a.b	2.0	
	Portland Bill	1034.0	37	NE	2	bc	1036.5	+1	35	-2	E	4	-	bc	3	-	39	34	c.bc	bc	bc.c	*	
	Dungeness	1034.1	33	N	2	c	1037.2	0	34	-3	ESE	3	SE	b	2	0.2	37	32	cps	c	c	*	
	Wick	1029.0	43	SSE	4	o	1024.6	-2	45	+2	SSW	4	-	omg	4	4	45	42	omrg	omrg	o.bc.or	*	
	Nairn	1028.7	39	-	0	cm	1025.8	*	46	+1	W	1	-	ow	1	1	47	38	og	ogm.c	cp.go	0.0	
	Aberdeen	1031.6	42	S	3	om	1029.4	-2	40	+1	S	2	-	r	3	10	42	39	omd.gm	omg	omr	0.0	
	Leith	1031.8	40	W	1	o	1031.5	0	39	+2	E	1	-	dm	1	3	41	37	om.o	oe.o	od.ond	*	
	Tynemouth	1034.4	35	SW	1	f	1034.9	0	35	-3	S	2	-	bc	3	1	36	31	fd	f	bcm	*	
Spurn Head	1037.0	38	-	0	ov	1038.4	0	34	0	S	2	-	bx	2	-	39	31	c	c.o	bcx	*		
YARMOUTH, &c.	Yarmouth (Gorleston)	1035.8	37	E	4	o	1038.3	0	37	+2	E	3	-	ov	3	0.4	40	34	omds	c.od	o	*	
	Clacton-on-Sea	1035.6	36	NW	2	ogm	1039.0	0	37	+1	ESE	4	E	bc	3	1	39	35	om	ogmp	om.bc	0.0	
	Nottingham	1036.3	33	SE	1	b	1038.7	*	29	+4	WSW	1	-	bm	*	-	37	23	f.m.b	bc.b	b	2.2	
	Benson (Oxon.)	1036.0	29	-	0	b	1038.5	+2	28	+4	-	0	-	o	*	0.1	33	23	ex.bm	b.bc	bx.om	*	
	St. Farnborough	1036.0	33	N	2	c	1038.7	+1	29	+7	NW	2	-	omx	*	0.2	38	21	bc.o	bc.cm	c.bmx	2.3	
	Salisbury Plain	1036.3	33	NE	2	b	1038.7	+1	25	+2	ESE	1	-	bm	*	-	37	21	bc.ez	bc.bz	bm.bz	*	
	London (Kew Obs.)	1036.0	36	NNE	2	bm	1038.7	0	33	+5	-	0	-	omx	*	0.1	38	27	cm.sx.bm	cm.bm	bm.sx.bm	0.0	
	NORTH-EAST EUROPE.	Spitsbergen	974.6	36	W	8	o	988.6	+1	23	-13	SW	6	*	o	*	*	37	21	-	-	-	-
		Vardö	1020.4	18	S	6	b	1021.1	+1	25	+9	S	4	-	b	3	*	22.5	10	-	-	-	-
		Gjesvær	1014.3	41	SW	6	o	1016.2	*	37	+7	SW	6	-	o	5	6	24.1	13.0	-	-	-	-
Bodö		1023.9	41	SW	5	o	1025.1	-0	43	+6	SW	4	-	c	2	-	24.3	3.2	-	-	-	-	
Christiansund		1033.2	41	-	0	o	1028.2	-3	36	+6	-	0	-	b	2	-	41	30	-	-	-	-	
Skudesnaes		1039.8	32	S	3	o	1036.7	-3	36	+6	E	4	-	o	3	-	23.6	2.8	-	-	-	-	
Færder (X'aniafjord)		1040.7	25	SSW	1	o	1039.4	-0	25	+7	NNE	1	-	m	1	-	22.5	1.8	-	-	-	-	
The Schaw (Skogon)		1038.4	28	-	0	bc	1040.0	0	30	+3	SSE	1	-	c	1	-	30	25	-	-	-	-	
Blaavands Huk		1040.3	32	NE	1	o	1041.5	+2	28	0	NE	1	-	bc	1	-	36	21	-	-	-	-	
Copenhagen		1038.7	32	ENE	3	o	1040.8	+1	32	+3	E	3	-	o	*	trace	34	30	-	-	-	-	
Bornholm	1036.0	30	NE	5	o	1038.6	+1	30	0	ENE	6	-	o	2	-	34	28	-	-	-	-		
FRANCE, &c.	The Helder	1037.5	34	NE	3	b	1040.0	+1	30	-6	E	1	-	b	0	-	36	30	-	-	-	-	
	C. Gris Nez	1034.1	32	E	1	o	1038.3	+1	27	-5	E	2	-	b	*	-	32	27	-	-	-	-	
	La Hève	1039.7	34	NE	3	o	1035.7	+1	28	-2	NE	4	-	b	*	-	36	27	-	-	-	-	
	Brest (St. Mathieu)	1033.9	41	ENE	2	b	1037.1	+1	36	0	E	2	-	c	*	-	46	36	-	-	-	-	
	Rochefort (Ile d'Aix)	1028.6	36	NE	6	bc	1031.9	+1	30	-	NE	7	-	o	*	-	41	28	-	-	-	-	
	Biarritz	1026.5	41	N	3	o	1027.3	+3	32	-7	NE	3	-	b	*	-	43	30	-	-	-	-	
	Paris	1032.2	30	NNE	2	o	1034.9	+1	25	-2	NE	2	-	b	*	-	34	25	-	-	-	-	
	Belfort	-	-	-	-	-	1031.5	*	27	-3	ENE	6	-	o	*	-	32	27	-	-	-	-	
	Lyoas	1023.5	30	N	4	o	1028.6	+4	28	-2	NNW	3	-	b	*	-	34	27	-	-	-	-	
	Nice	1016.8	39	E	2	c	1019.5	+2	43	+7	ESE	4	-	c	*	-	48	13.6	-	-	-	-	
Perpignan	1018.9	37	NW	3	b	1025.7	+3	36	-3	NW	4	-	s	*	-	45	34	-	-	-	-		
Sanguinaire	-	-	-	-	-	1013.2	-0	48	+2	E	2	-	o	*	-	50	45	-	-	-	-		
IBERIA, &c.	Corunna	1028.6	52	NE	3	b	1029.9	+1	46	-2	NE	4	-	c	3	-	52	39	-	-	-	-	
	Madrid	1020.6	48	N	2	b	1022.1	-1	34	-	N	5	-	bc	*	-	50	30	-	-	-	-	
	Lisbon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Azores (Horta)	1023.0	*	NE	3	o	1025.3	0	57	-2	N	3	-	r	2	54	61	57	-	-	-	-	
	" (P. Delgada)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Madeira	-	-	-	-	-	-	-	-														

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	1·6-8·3
3	8-12	3·4-5·4
4	13-18	5·5-7·9
5	19-24	8·0-10·7
6	25-31	10·8-12·8
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

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

N20883. Saturday, 25th January, 1919.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 24th January.

STATIONS.	EVENING OF 23 rd					MORNING OF 24 th										MORNING OF 24 th						
	Barom. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Fain- fall. Milli- metres.	TEMP.		ICELAND.	Barom. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
			Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Dirac.		Force 0-12.
		°F.						°F.	°F.					°F.	°F.		°F.	°F.				
Orlov ...	*	*	*	*	*	1028.0	+	12	+2	SW	7	b	*	*	*	Isafjord ...	1000.7	36	+4	W	3	o
Kem ...	*	*	*	*	*	1035.8	-2	7	-3	S	2	bc	-	*	*	Reykjavik	1008.7	34	+2	SSW	3	c
Archangel	*	*	*	*	*									*	*	Vestmanna	1010.6	39	+6	W	2	c
Mesen...	*	*	*	*	*									*	*	Seydisfjord	1010.6	35	-7	SW	2	b
Haparanda ...						1030.0	*	12	-	WSW	2	b	*	*	*	Thorshavn	1017.1	45	0	W	4	r
Hernösand ...						1036.6	*	1	-	N	2	b	*	*	*	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM						
Stockholm ...						1040.7	*	16	-	SW	3	c	*	*	*							
Wishby ...						1040.8	*	30	-	ESE	2	o	*	*	*	25 th & 26 th JAN., 1919.						
Sordovalva ...						1038.7	*	12	-	N	2	o	*	*	*							
Hangö ...						1040.0	*	21	-	-	0	o	*	*	*							
Venice ...							*															
Turin ...						1024.1	*	41	-	NW	3	+	7	43	37							
Pesaro ...	1020.6	39	W	1	o	1017.8	*	43	-	NE	1	c	-	46	39							
Leghorn ...	1015.7	41	NE	1	o	1017.0	*	43	+6	N	1	o	-	54	43							
Rome ...	1015.4	46	N	2	Y	1018.2	*	46	-2	WNW	1	o	21	48	39							
Viesti ...	1014.5	48	W	2	Y	1018.3	*	52	+2	SE	2	o	12	54	50							
Brindisi ...	1015.0	50	SE	1	Y	1011.8	*	45	+4	NNE	3	b	-	57	46							
Cagliari ...	1011.7	48	SW	4	o	1014.1	*	46	0	-	0	o	-	54	45							
Palermo ...	1012.6	48	-	0	o		*															
Tripoli ...							*															

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

25 th & 26 th JAN., 1919.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth ...		7.48	12.5	4.22
Greenwich ...		7.47	12.6	4.21
Wick ...		7.51	12.12	4.33
Valencia ...		7.50	12.13	4.35
		8.36	12.24	4.13
		8.34	12.25	4.15
		8.34	12.53	5.12
		8.33	12.54	5.14

LONDON		HUMIDITY.		TEMPERATURE.		WIND.		WEATHER.	
		15 h.	9 h.	Max.	Min.	Dir.	Force	Morning.	Night.
25 th JANUARY 9h. G.M.T.		24 th	25 th	24 th	25 th				
GREENWICH (Royal Observatory)		74	78	0.4	36	28	22	o	o
CITY (Bunhill Row)		*	*	0.0	*	*	*	*	*
WESTMINSTER (St. James's Park)		76	71	0.0	37	27	24	*	*
(Roof near Charing Cross)		77	73	0.0	38	32	*	om	om
LONDON SQ. (British Rainfall)		75	68	0.0	36	26	21	o	o
KENSINGTON PALACE		*	69	*	37	27	17	og	o
KENSINGTON PARK				0.8	*	*	*	*	*

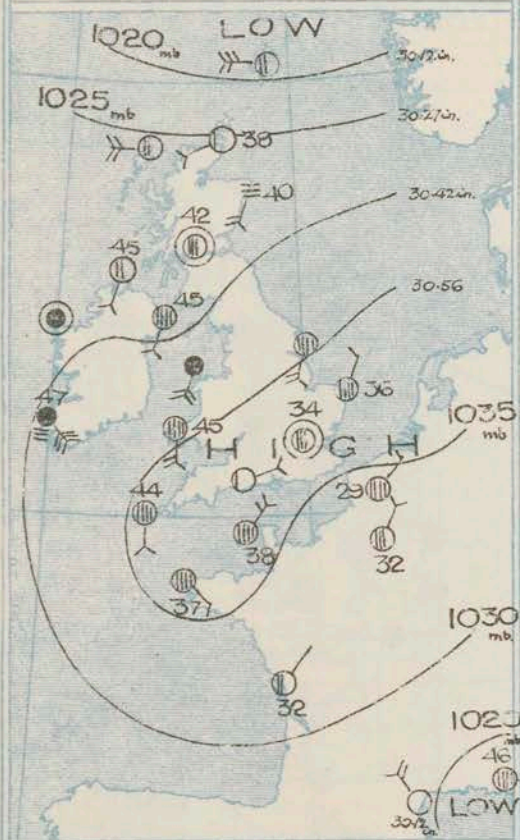
SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 24 th		
Total.	Average Rate.	Max. Rate.
Calcs.	Milliwatts.	Milliwatts.
115	3.7	14

NOTE.—The thermometers at Greenwich and Camden Square are in Glaisher screens.

—The barometric change is expressed in half millibars.

25TH JAN, at 1h. G.M.T.

THE MORNING OF SATURDAY, 25TH JANUARY 1919 at 7h. G.M.T.



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. Calm

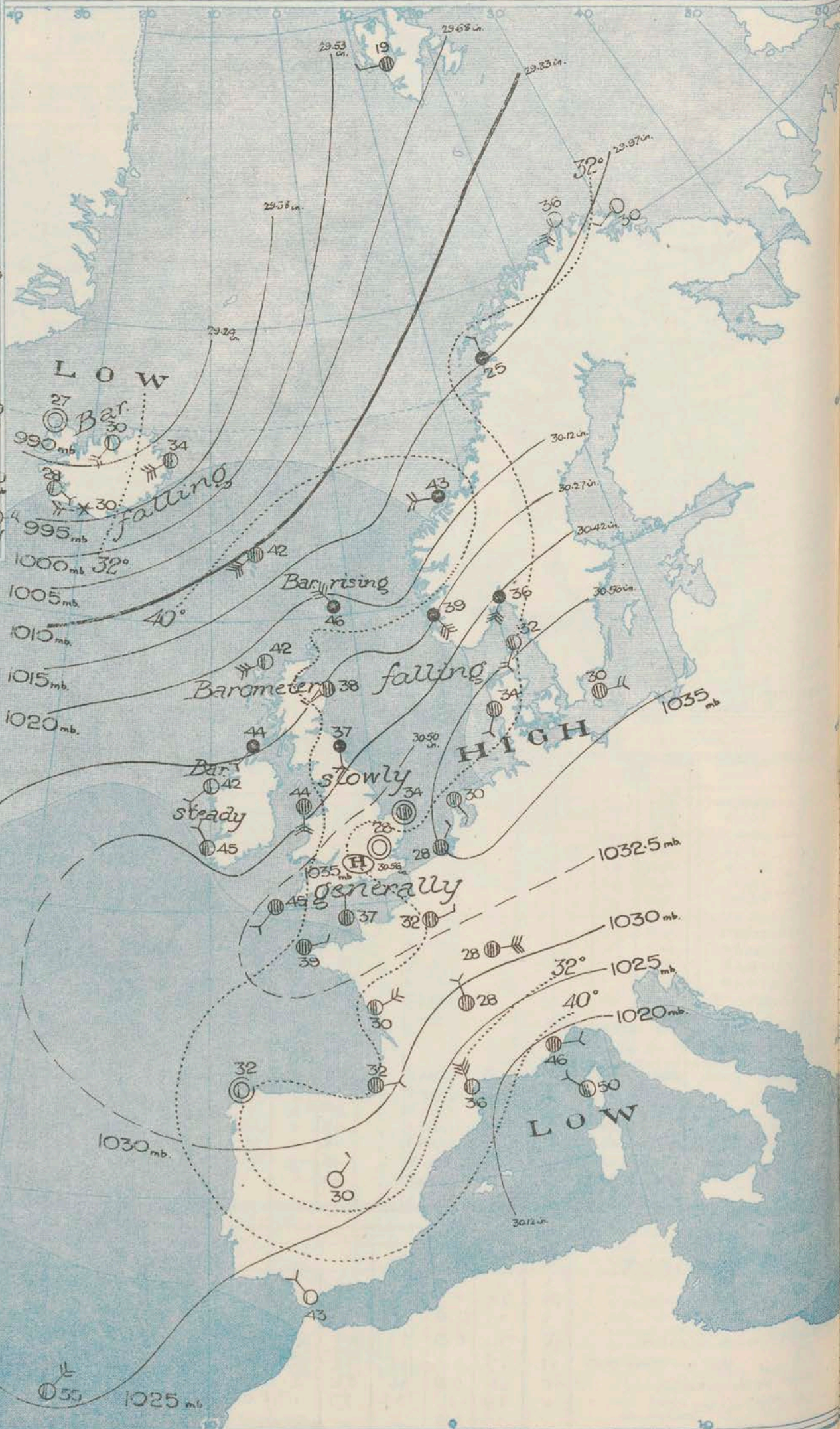
TEMPERATURE.—Given in degrees Fahrenheit.
Isotherms shown by dotted lines.

WEATHER.—Shown by the following symbols:—

☐ clear sky. ☐ sky $\frac{1}{2}$ clouded. ☐ sky $\frac{1}{2}$ clouded.
☐ sky $\frac{3}{4}$ clouded. ☐ overcast sky. ☒ rain falling.

*snow. ▲ hail. ≡ log. ≡^o mist. T, thunder.

SEA DISTURBANCE.—Rough High .



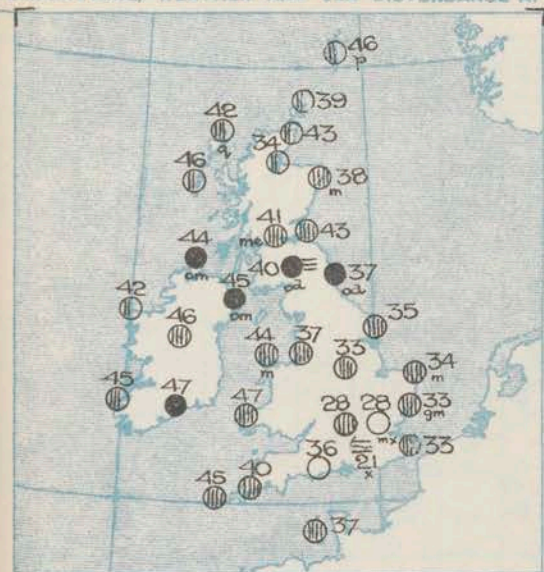
SCALE 1:250,000
Vertical Miles 0 1 2 3 4 5 6
Statute Miles 0 1 2 3 4 5 6

Normal Temperature of the Sea

	Below 40°	40°-50°	50°-60°	Above 60°
1960-69	100	100	100	100
1970-79	100	100	100	100
1980-89	100	100	100	100
1990-99	100	100	100	100
2000-09	100	100	100	100
2010-19	100	100	100	100
2020-29	100	100	100	100
2030-39	100	100	100	100
2040-49	100	100	100	100
2050-59	100	100	100	100
2060-69	100	100	100	100
2070-79	100	100	100	100
2080-89	100	100	100	100
2090-99	100	100	100	100
2100-09	100	100	100	100
2110-19	100	100	100	100
2120-29	100	100	100	100
2130-39	100	100	100	100
2140-49	100	100	100	100
2150-59	100	100	100	100
2160-69	100	100	100	100
2170-79	100	100	100	100
2180-89	100	100	100	100
2190-99	100	100	100	100
2200-09	100	100	100	100
2210-19	100	100	100	100
2220-29	100	100	100	100
2230-39	100	100	100	100
2240-49	100	100	100	100
2250-59	100	100	100	100
2260-69	100	100	100	100
2270-79	100	100	100	100
2280-89	100	100	100	100
2290-99	100	100	100	100
2300-09	100	100	100	100
2310-19	100	100	100	100
2320-29	100	100	100	100
2330-39	100	100	100	100
2340-49	100	100	100	100
2350-59	100	100	100	100
2360-69	100	100	100	100
2370-79	100	100	100	100
2380-89	100	100	100	100
2390-99	100	100	100	100
2400-09	100	100	100	100
2410-19	100	100	100	100
2420-29	100	100	100	100
2430-39	100	100	100	100
2440-49	100	100	100	100
2450-59	100	100	100	100
2460-69	100	100	100	100
2470-79	100	100	100	100
2480-89	100	100	100	100
2490-99	100	100	100	100
2500-09	100	100	100	100
2510-19	100	100	100	100
2520-29	100	100	100	100
2530-39	100	100	100	100
2540-49	100	100	100	100
2550-59	100	100	100	100
2560-69	100	100	100	100
2570-79	100	100	100	100
2580-89	100	100	100	100
2590-99	100	100	100	100
2600-09	100	100	100	100
2610-19	100	100	100	100
2620-29	100	100	100	100
2630-39	100	100	100	100
2640-49	100	100	100	100
2650-59	100	100	100	100
2660-69	100	100	100	100
2670-79	100	100	100	

Scale of Tints for JANUARY.

TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



NOTES.

Notes on the Weather of the 24 hours ended 7h. Today

The day was again without rain in south and south-east England, but moderate amounts were measured in the northern and western parts of the British Isles (11 mm. at Blacksed Point), where sunshine was again almost nil. 5 hours of bright sunshine were recorded at Jersey, and from 2 to 2½ hours at most of the English stations in the south and east. Temperature generally failed to reach 40° in SE. England and the Midlands, and the minimum in the screen was as low as 18°F. at South Farnborough and Salisbury Plain.

The Conditions at 7h.

Pressure continues high over an area extending from Southern Scandinavia to Western France and including the greater part of England. A deep depression is centred to northward of Iceland, with a shallow V-shaped secondary over Ireland. Winds are light and indefinite over SE. England, but the remainder of the British Isles lies under a South-Westerly current of moderate strength. In South-West Ireland a veer to North-West (probably temporary) has occurred in the rear of the V-shaped depression. Rain is falling in Ireland, and drizzling rain in Northern England.

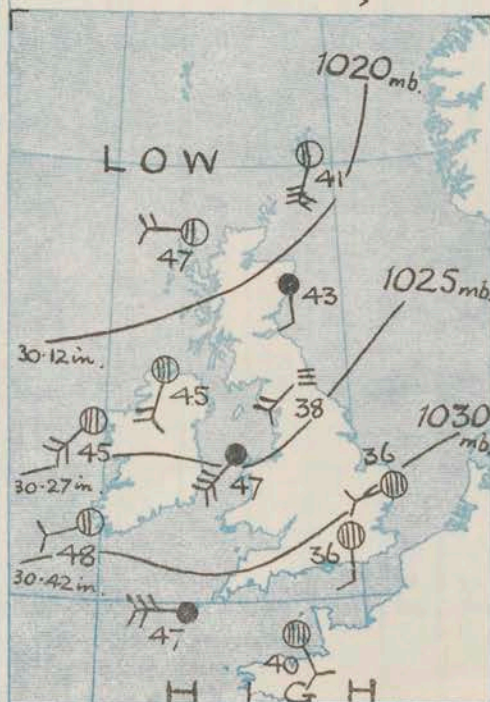
The Outlook

By tomorrow it is probable that these Islands will lie entirely under the mild South-Westerly wind-current forming part of the circulation round the Icelandic low-pressure centre. Under these circumstances weather will be generally milder, while the passage of small secondaries eastward or north-eastward is likely to maintain unsettled weather.

A.H.

Saturday, 25th

JANUARY, 1919, at 13h. (1 p.m.) G.M.T.



This morning's inference is confirmed.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919. No. 25

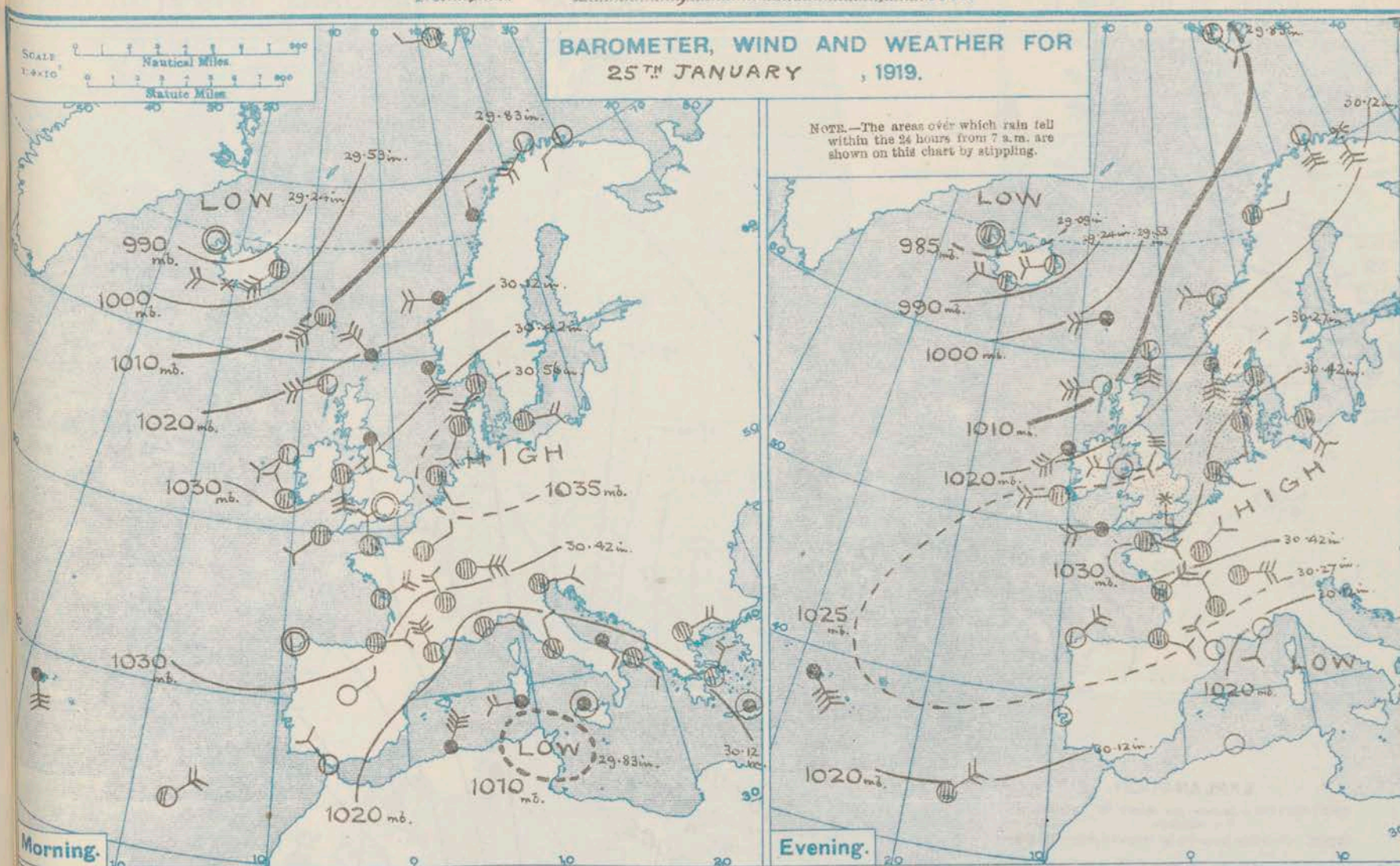
SATURDAY,
25TH JANUARY.

STATIONS		EVENING OF 24 TH					MORNING OF 25 TH										24 HOURS ENDED 7 A.M. 25 TH					Sun- shine for 24 TH Hours.		
		Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.	Direc. of Upper Cloud.	Weather.	Sea 9-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.						
				Dir.	Force 0-12.				Dry Bulb.	Change in 24 hours.						Dir.	Force 0-12.	Max.	Min.	Morning.	Afternoon.		Night.	
BRITISH ISLANDS.	Lerwick ...	1021.1	45	SSW	6	fe	1020.5	+2	46	+3	NW	5	-	bcp	3	3	46	40	fe	fe	bcp	*		
	Houton B. (Orkney) ...	1023.7	46	SW	4	of	1023.5	-1	39	-3	WSW	4	*	bc	3	*	46	39	p	o	b.b.c	*		
	Stornoway ...	1023.4	47	W	4	c	1022.0	-3	42	-7	WSW	5	-	cq	4	2	50	39	cvg	cq	b.cq	0.6		
	Castlebay (Barra Isd.) ...	1026.2	48	W	4	o	1023.6	-1	46	-3	SSW	4	SW	bc	4	0.2	49	42	do	o	o.b.c	0.0		
	Glasgow ...	1029.3	44	SSW	3	omr	1026.7	-3	41	+2	-	0	-	ome	*	6	45	39	omp	omp	or.ome	0.0		
	Esksdalemuir ...	1032.8	37	SSW	4	odm	1027.6	-4	40	+6	SSW	3	-	odf	*	3	40	33	odm	odm.om	odm.ome	0.0		
	Malin Head ...	1028.2	47	SSW	3	omr	1024.7	-3	44	-3	SW	2	-	omr	2	6	48	43	cq	omr	omr	0.0		
	Blacksod Point ...	1030.0	47	WSW	2	om	1027.1	-2	42	-6	SW	2	-	bc	4	11	49	41	omp	om	of.ofr	*		
	Valencia (Cahirciveen) ...	1032.6	50	S	3	od	1029.8	0	45	-4	NNW	2	-	c	3	8	50	44	ord	od	or.c	0.0		
	Roche's Point ...	1034.5	46	SW	4	ome	1029.5	-2	47	+7	SW	4	-	r	4	2	48	40	od.ome	ome	od.or	*		
NORTHEN EUROPE.	Birr Castle ...	1051.5	48	S	1	o	1026.5	*	46	+1	W	1	-	o	*	7	48	43	c.o	c.p.o	or.o	0.0		
	Donaghadee ...	1030.2	45	SSW	4	omq	1025.8	-3	45	+1	SW	2	-	omr	2	4	46	42	ofeq	ofq.p	omr.og	*		
	Liverpool (Bidston) ...	1035.4	36	SE	2	o	1030.7	-3	37	+3	SE	2	SE	o	2	-	38	33	om	om	om	0.0		
	Holyhead ...	1034.2	42	SSW	5	oem	1028.9	-2	44	+4	S	5	-	om	4	1	45	39	ogmg	oem	dep.dm	0.0		
	Pembroke (St. Ann's) ...	1036.0	43	S	2	o	1031.7	-3	47	+7	SSW	3	-	o	3	0.2	47	40	o	o.opd	o	0.0		
	Hartland Quay ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*		
	Scilly (St. Mary's) ...	1036.6	44	S	1	o	1033.7	-2	45	+1	SW	2	SW	o	3	-	46	42	c.o	o	o	0.0		
	Falmouth ...	1036.7	38	SE	3	b	1033.3	-3	40	0	S	3	-	o	*	-	45	34	o.b.c.m	o.b.c.b	b.o	2.5		
	Jersey (St. Aubin) ...	1036.0	37	E	2	b	1033.3	-1	37	+3	N	2	-	o	2	-	39	33	b	b	b.o	5.0		
	Portland Bill ...	1037.1	35	NE	2	b	1034.0	-1	36	+1	ENE	3	-	c	3	-	40	35	bc	bc	bc.c	*		
FRANCE, &c.	Dungeness ...	1036.6	35	E	3	bc	1033.8	-2	35	+1	ESE	3	SE	c	3	-	36	33	c	c	c.o.c	*		
	Wick ...	1023.8	46	SSW	2	omg	1023.8	-2	43	-2	WSW	2	-	bc	0	-	47	35	omg	omg	o.b.c.m	*		
	Nairn ...	1024.7	47	W	2	dgo	1024.3	*	34	-12	-	0	-	bc	0	1	51	33	og.c	cdq	ocx	0.4		
	Aberdeen ...	1027.4	45	SW	3	omr	1023.8	-1	38	-2	WSW	1	-	om	3	3	45	38	opm	opm	orm	0.0		
	Leith ...	1028.8	45	SW	4	o	1026.4	-1	43	+4	NE	4	-	o	1	0.3	46	39	dmo	c.og.o	og.o.c.o	*		
	Tynemouth ...	1032.8	37	SW	2	f	1028.1	?	37	+2	S	2	-	od	3	2	37	34	f	f	om. omr	*		
	Spurn Head ...	1036.8	35	SSE	3	c	1031.8	-2	35	+1	SSW	4	-	o	4	-	38	33	ev	c	o	2.5		
	Yarmouth (Gorleston) ...	1037.2	36	-	0	o	1033.9	-1	34	-3	-	0	-	om	1	-	37	33	o	om	om	*		
	Clacton-on-Sea ...	1038.0	36	E	3	bc	1034.8	0	33	-4	NW	2	-	ogm	2	-	39	32	c.b.c.v	b.c.v.c	b.c.c.m	2.0		
	Nottingham ...	1037.1	34	SW	1	o	1032.5	*	33	+4	SSW	1	-	o	*	-	37	28	bm	bmc	o	2.4		
IBERIA, &c.	Benson (Oxon.) ...	1037.6	26	-	0	b	1033.7	-2	28	0	-	0	-	o	*	-	35	21	om	bc	v.c.s.o	*		
	Sth Farnborough ...	-	-	S	1	cm	1035.2	-2	21	-8	NW	1	-	bfx	*	-	38	18	o.b.m.b.c	c.b.c.m	cm.b.c.x	5.5		
	Salisbury Plain ...	1038.4	29	-	0	b	1035.5	-2	27	+2	-	0	-	bm.x	*	-	36	18	bc	bc.b	bm.x	*		
	London (Kew Obs.) ...	1037.9	35	-	0	o	1034.7	-1	28	-5	-	0	-	bm.x	*	-	37	27	om.x.c.m.x	o	o.m.b.m.x	0.4		
	Spitsbergen ...	994.7	21	SW	2	o	1002.9	+4	19	-4	W	1	*	o	7	*	23	16	THE BEAUFORT SCALE OF WIND FORCE.					
	Vardö ...	1015.8	27	S	7	b	1015.8	+4	30	+5	WSW	1	-	b	4	*	230	16						
	Gjesvår ...	1008.7	43	S	6	f	1014.6	*	36	-1	SW	5	-	b	5	2	43	30	Limits of Velocity.					
	Bodö ...	1018.6	25	SW	7	r	1015.0	-3	25	-18	N	1	-	r	1	7	43	25						
	Christiansund ...	1023.9	41	-	0	o	1018.9	0	43	+7	W	4	-	r	2	9	243	36	No.		Statute miles per hour.		Metres per second.	
	Skudesnaes ...	1031.7	39	S	7	r	1025.9	-3	39	+3	SSE	6	-	r	5	22	39	36						
MEDITERRANEAN.	Færder (Xantla Fjord) ...	1035.7	36	SW	4	o	1030.9	-2	36	+11	SSW	6	-	r	3	7	36	25	Less than 1		Less than 0.3		Less than 1.5	
	The Scaw (Skagen) ...	1038.4	32	SW	2	bc	1034.9	-1	32	+2	SSW	3	-	c	3	-	34	30						
	Blaavands Huk ...	1039.7	34	SSE	1	c	1035.1	-3	34	+6	SSW	2	-	o	*	-	34	25	1		4-7		1.6-8.3	
	Copenhagen ...	1040.6	32	E	3	o	1037.6	-1	32	0	-	0	-	o	*	-	32	30						
	Bornholm ...	1038.3	34	ENE	4	o	1036.6	-1	30	0	E	3	-	o	1	4	32	28	2		8-12		3.4-5.4	
	The Helder ...	1039.0	32	E	1	b	1035.8	0	30	0	SSE	1	-	o	0	-	34	28						
	C. Gris Nez ...	1036.8	30	ENE	2	b	1034.0	-4	32	+5	ENE	1	*	b	*	-	34	27	3		32-38		13.9-17.1	
	La Hève ...	1036.6	30	NE	2	b	1034.3	-1	30	+2	NE	1	*	o	*	-	39	28						
	Brest (St. Mathieu) ...	1036.8	36	ENE	3	b	1034.7	-1	39	+3	E	1	*	o	*	-	39	34	4		39-46		17.5-20.7	
	Rochefort (Ile d'Aix) ...	1033.0	34	NE	6	bc	1032.0	0	30	0	ENE	4	*	c	*	-	37	30						
Biarritz ...	1030.6	36	E	2	c	1030.3	0	32	0	E	2	*	o	*	-	41	32	5		64-75		28.5-33.5		
Paris ...	1035.3	30	NE	2	o	1032.8	-1	32	+7	ENE	1	*	o	*	-	36	25							
	Belfort ...	1032.3	28	ENE	6	o	1031.0	*	28	+1	E	6	*	o	*	-	30	26	BEAUFORT NOTATION.					
	Lyons ...	1029.5	32	N	3	b	1029.5	0	28	0	NNW	3	*	o	*	-	36	27						
	Nice ...	1018.1	46	-	0	c	1019.5	+1	46	+3	E	2	*	o	*	-	54	43	b blue sky (not more than a quarter covered).					
	Perpignan ...	1023.1	37	NW	6	b	1022.0	-1	36	0	NNW	6	*	c	*	-	43	34						
	Sanguinaire ...	-	-	-	-	-	1014.0	0	50	+2	NW	2	*	c	*	-	55	43	bc sky partly cloudy (one half covered).					
	Corunna ...	1030.6	45	ENE	5	bc	1032.2	+1	32	-14	-	0	-	b	2	-	46	30						
	Madrid ...	1023.7	37	NE	2	b	1027.0	+2	30	-4	NE	1	-	b	*	-	39	25	c generally cloudy (three quarters covered).					
	Lisbon ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
	Azores (Horta) ...	1025.7	*	ESE	4	o	1023.0	-2	60	+3	SE	5	*	r	3	24	63	257	d drizzle, or fine rain.					
	" (P. Delgada) ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
Madeira ...	1024.6	63	NE	4	c	1025.9	-1	55	-	NE	4	N	bc	4	-	64	55	e wet air without rain falling: fog, gloom.						
Gibraltar ...	1018.9	44	E	4	r	1022.0	*	43	-	NW	2	*	b	1	1	58	40							
	Algiers ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	h hail, lightning.					
	Malta ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
	Salonica ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	m mist.					
	Athens ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
	Candia ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	o overcast sky.					
	Limassol ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
	Alexandria ...	1018.7	57	WNW	1	b	1019.8	+2	55	-2	-	0	NW	c	0	1	64	52	p passing showers.					
	Cairo (Helwan) ...	1019.1	54	-	0</																			

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20,884

SUNDAY, 26th JANUARY, 1919.



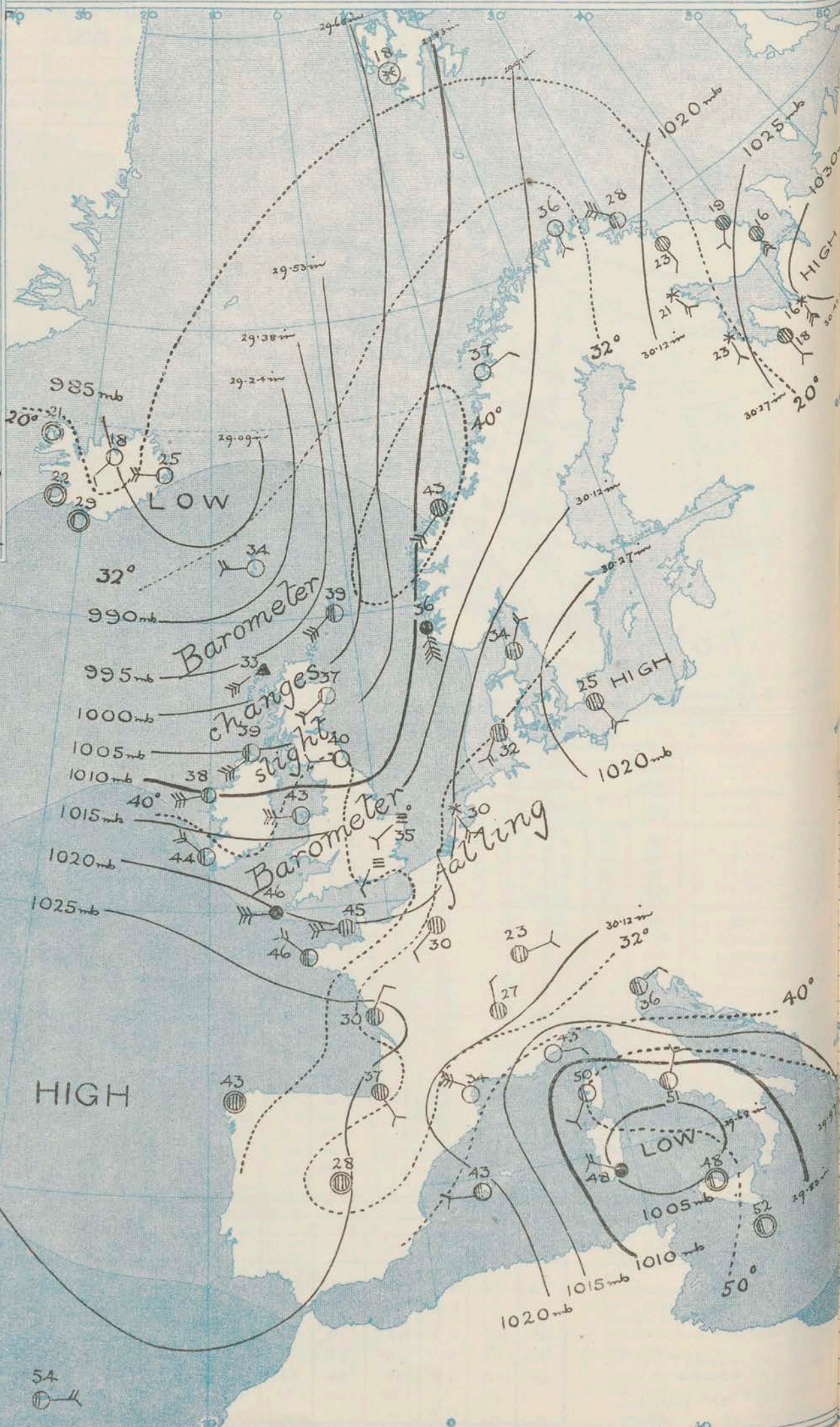
WEATHER TELEGRAMS FROM FOREIGN STATIONS OF January 25th

STATIONS.	EVENING OF 24 th					MORNING OF 25 th										MORNING OF 25 th						
	BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
			Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Dirac.		Force 0-12.
		*F.						*F.	*F.					*F.	*F.		*F.	*F.				
Orlov ...	*	*	*	*	*	1023.3	-	12	0	SW	2	m	-	*	*	Isafjord ...	987.4	27	-9	-	0	b
Kem ...	*	*	*	*	*	1027.7	-	16	-	SW	2	o	-	*	*	Reykjavik	990.3	25	-6	SE	2	bc
Archangel ...	*	*	*	*	*	1031.4	-1	5	-2	SSE	2	b	-	*	*	Vestmanna	992.6	30	-9	W	4	s
Mesen...	*	*	*	*	*									*	*	Seydisfjord	991.9	34	-1	SW	6	c
Haparanda ...							*						*	*	*	Thorshavn	1010.4	42	-3	SW	7	o
Hernösand ...							*						*	*	*	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.						
Stockholm ...							*						*	*	*	Jan. 26 th & 27 th 1919.						
Wisby ...							*						*	*	*	Sunrise. Noon. Sunset.						
Sordovalä ...							*						*	*	*	G.M.T. G.M.T. G.M.T.						
Hangö ...							*						*	*	*	Yarmouth ...	7.47	12.6	4.24			
Venice ...	1025.3	39	E	2	0	1025.3	*	37	-	NE	2	c	-	43	37	Greenwich ...	7.46	12.6	4.26			
Turin ...							*						*	*	*	Wick ...	7.50	12.13	4.35			
Pesaro ...							*						*	*	*	Valencia ...	7.49	12.13	4.37			
Leghorn ...							*						*	*	*		8.34	12.25	4.15			
Rome ...	1017.8	46	NE	1	r	1015.5	*	45	+2	N	1	o	2	54	43		8.32	12.25	4.17			
Viesti ...	1017.5	48	NW	2	o	1018.9	*	48	+2	SE	2	r	19	48	41		8.33	12.54	5.14			
Brindisi ...	1019.1	55	ENE	1	o	1018.9	*	54	+2	SE	1	o	10	55	52		8.32	12.54	5.16			
Cagliari ...	1011.7	48	NE	4	r	1010.3	*	46	+1	W	4	t	23	57	39							
Palermo ...	1013.6	52	-	0	o	1010.5	*	58	+12	-	0	r	9	59	45							
Tripoli ...							*															

LONDON January 26 th 9h. G.M.T.	HUMIDITY		Sun- shine for 25 th	TEMPERATURE			Rain- fall. mm.	WEATHER		
	15h.	9h.		Max.	Min.	Min. on Grass		Morning	Afternoon	Night
	25 th	26 th		°F.	°F.	°F.				
GREENWICH (Royal Observatory)	73	98	2.9	34	32	29	Trace	bc, o	o	od, r, s
CITY (Bunhill Row)	*	*	0.0	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	76	100	0.0	40	34	29	1	*	*	*
" (Roof near Charing Cross)	73	98	0.0	39	35	*	0.2	bc, o	bc, o	od, o, m
GARDEN SQ. (British Rainfall)	65	100	0.0	38	34	30	1	o	o	*
KENSINGTON PALACE	-	95	*	39	34	31	1	o	o	*
RICHTON PARK	-	*	0.0	*	*	*	*	*	*	*

SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 25 th		
Total.	Average Rate.	Max. Rate.
201	6.4	17

THE MORNING OF SUNDAY, 26TH JANUARY 1919 at 7h. G.M.T.



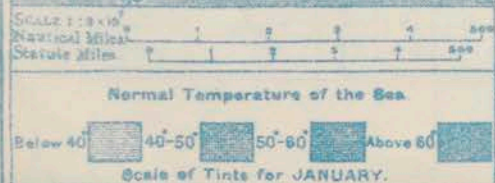
BAROMETER.—Isobars are drawn for intervals of five millibars.

WIND.—Direction is shown by arrows flying with the wind.
Force, on the scale 0-12, is indicated by the number of feathers. Calm

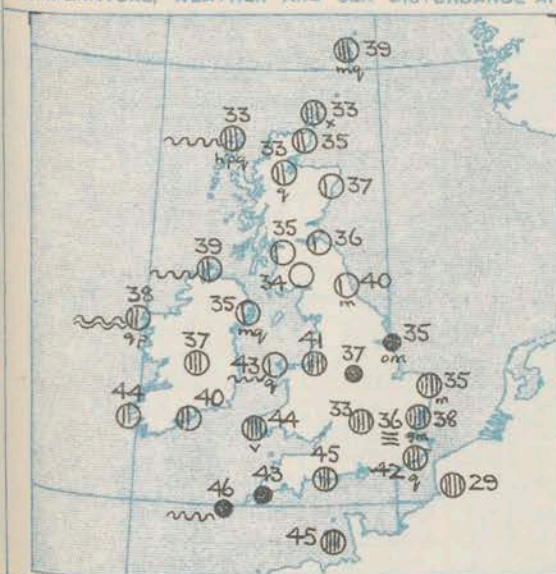
TEMPERATURE.—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

WEATHER.—Shown by the following symbols:—
☉ clear sky. ☁ sky $\frac{1}{2}$ clouded. ☁ sky $\frac{3}{4}$ clouded.
☁ sky $\frac{3}{4}$ clouded. ☁ overcast sky. ☔ rain falling.
❄ snow. ▲ hail. ≡ fog. ☁ mist. ⚡ thunder.
☁ thunderstorm.

SEA DISTURBANCE.—Rough High



TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



NOTES.

Notes on the Weather of the 24 hours ended 7h. Today

The afternoon temperature exceeded 45° at most of the western and northern stations, but remained below 40° in the south-east. At night the minima ranged from 44° at Pembroke to 20° at South Farnborough. Rain, hail, sleet or snow fell generally, the yield of water at Eskdalemuir amounting to 15 mm. Lightning was seen at some northern and north-western stations. Most stations had no sunshine, but Birr Castle registered $4\frac{1}{2}$ hours.

The Conditions at 7h.

A deep depression lies to eastward of Iceland. Westerly winds are blowing strongly on our western and northern coasts and fresh or moderate SW. winds over the remainder of our area. The anticyclone which has covered a large portion of western Europe of late has broken up but areas in which pressure exceeds 1025 mb. are still seen over the Baltic and Western France. Rain is falling at some English stations, but over Ireland and Scotland weather is fair for the most part. Snow is falling in Holland.

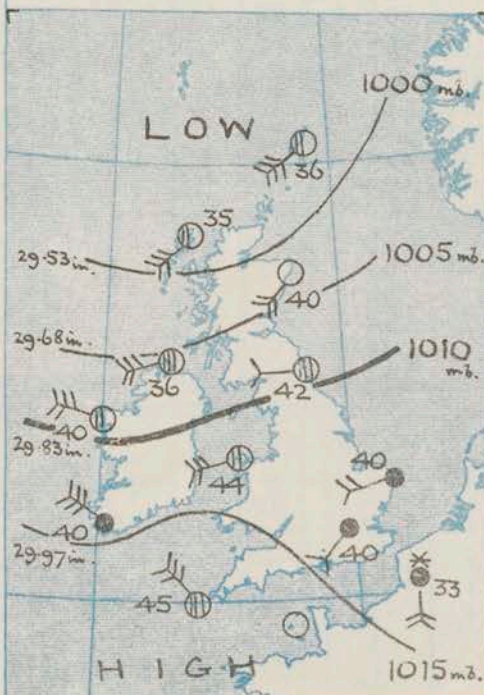
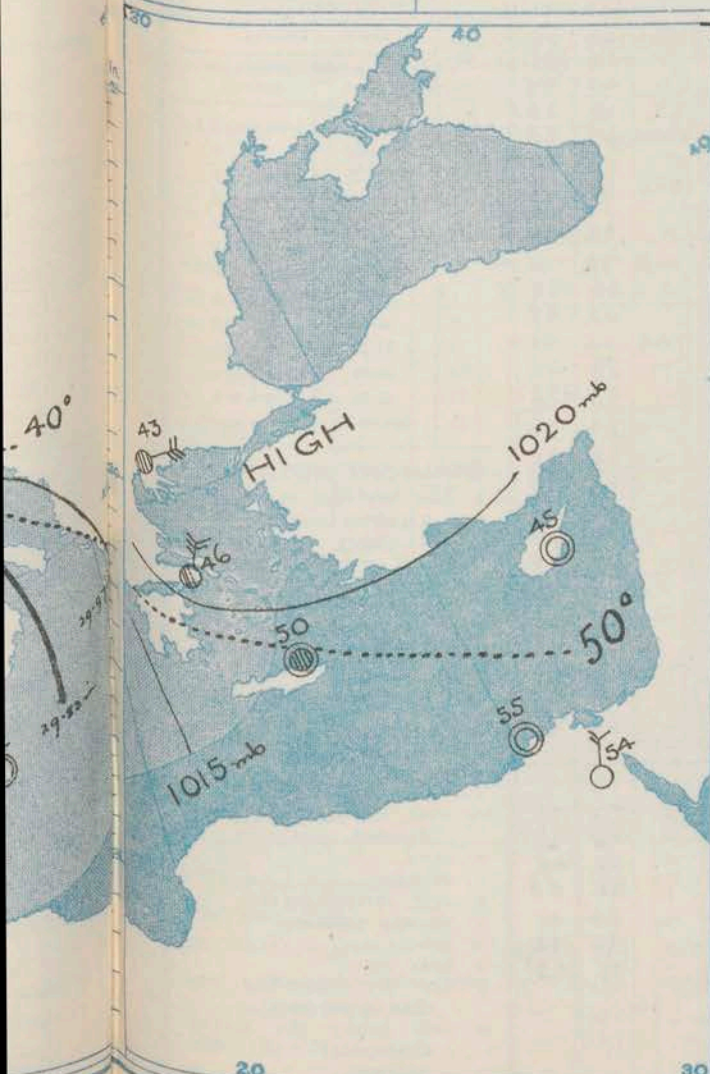
Subsequent Developments.

The 13h. map shows a well-marked secondary depression over south-east England, where rain is falling generally. Winds have veered to north-west in the west and south-west.

N.H.

SUNDAY, 26TH

JANUARY, 1919, at 13h. (1p.m.) G.M.T.



DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919. No. 26. Sunday January 26th

STATIONS.		EVENING OF 25 th					MORNING OF 26 th										24 HOURS ENDED 7 h. 26 th							Sun- shine for 25 th Hours.
		Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.					
				Direc.	Force 0-12.				Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.					Max.	Min.	Morning	Afternoon.	Night.			
BRITISH ISLANDS.	Lerwick ...	1013.3	42	S	6	bcm	996.6	-1	39	-7	SW	6	sw	cmq	4	3	46	36	bc	bcm	omgr	*		
	Houton B. (Orkney) ...	1013.2	38	S	5	z	998.1	*	33	-6	SSW	6	-	x	3	45	33	b.bcz	b.bcz	p.c.o	*			
	Stornoway ...	1009.2	42	WSW	6	oq	998.3	0	33	-7	SW	6	-	cphq	5	9	47	33	bcq	bcq	onphq	2.4		
	Castlebay (Barra Isd.) ...	1012.4	46	SSW	5	op												bc.b	b.op					
	Glasgow ...	1019.2	42	SW	2	oz	1007.3	-1	35	-6	SW	3	W	b	*	7	43	34	ogmr	mr.acz	op.bap	0.0		
	Eskdalemuir ...	1020.1	40	W	3	o	1009.7	-1	34	-6	WSW	4	-	b	*	15	41	34	odf.orm	orm.omo	o.orsq	0.0		
	Malin Head ...	1017.3	43	SSW	4	c	1004.3	0	39	-5	WSW	6	SW	bcq	6	9	48	36	bc	bc	bcq.ph	3.2		
	Blacksod Point ...	1018.6	44	SW	6	omp	1011.6	-4	38	-4	W	6	W	bcq	7	4	44	36	bc	bcp	cmq	*		
	Valencia (Cahirciveen) ...	1026.4	47	WSW	4	c	1018.4	-3	44	-1	NW	4	-	bc	2	48	40	c.b.bc	bc.c	bc.r.bq	4.1			
	Roche's Point ...	1026.9	45	WNW	3	bc	1018.5	-1	40	-7	WNW	2	W	bc	2	6	50	39	roc.b	b.bc	bc.o.bc	*		
	Birr Castle ...	1023.8	42	WSW	1	c	1014.6	*	37	-9	SW	2	-	c	2	47	36	cp	cp	c.or.c	4.4			
	Donaghadee ...	1020.7	41	SW	3	b.m	1011.3	-1	35	-10	SW	4	-	bmq	4	3	46	34	omp	bm	bc.op	*		
	Liverpool (Bidston) ...	1023.2	42	WSW	4	r	1013.4	-4	41	+4	WSW	4	SE	o	3	4	43	37	ord	omr	op	0.0		
	Holyhead ...	1023.7	44	W	3	b	1013.8	-1	43	-1	W	6	-	bq	5	10	47	41	orm	rc.bc	b.or.b	1.9		
	Pembroke (St. Ann's) ...	1026.6	45	WNW	2	bc.o	1016.6	+1	44	-3	WNW	3	-	ov	4	6	47	44	o.or	or.c	cv.op	0.5		
	Hartland Quay ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Scilly (St. Mary's) ...	1029.5	45	WSW	4	omr	1020.0	-4	46	+1	W	6	-	or	5	3	47	43	o	omr	bcp.or	0.0		
	Falmouth ...	1028.0	42	WSW	4	oem	1019.4	-4	43	+3	WSW	3	-	or	*	1	45	40	omdm	dmorm	ora	0.0		
	Jersey (St. Aubin) ...	1029.7	38	ESE	2	o	1020.3	-2	45	+8	W	5	-	o	3	3	45	36	abc.o	o.c.o	oro	1.8		
	Portland Bill ...	1028.2	42	SSW	3	or	1018.3	-5	45	+9	W	3	-	c	3	3	45	36	c.o	od	cp	*		
	Dungeness ...	1029.2	35	SSW	2	o	1017.8	-5	42	+7	SW	5	SW	cq	4	2	42	34	c	c.o	o.cno.c	*		
Wick ...	1012.6	43	SSW	4	bcm	999.9	-1	35	-8	SSW	4	-	bc	4	-	43	34	bcm	bcm	omg.bc	*			
Nairn ...	1013.9	41	SW	1	bc	1001.4	*	33	-1	W	3	-	bcq	2	1	45	33	bc	bc	cq.p.rs	1.8			
Aberdeen ...	1017.1	42	S	3	bcm	1004.0	0	37	-1	SW	3	-	b	2	0.1	44	37	omp	ombcm	bcm.b	0.0			
Leith ...	1018.9	43	SW	1	bc	1006.6	-1	36	-7	SW	3	SW	b	2	3	46	35	od.o	og.c.bc	bcq.b	*			
Tynemouth ...	1021.2	38	SW	2	f	1009.7	-2	40	+3	W	2	-	bm	3	5	42	37	fr	fr	cm	*			
Spurn Head ...	1024.9	34	S	4	od	1014.1	-3	35	0	SW	3	-	orm	4	0.3	35	32	om	om	osmr	0.0			
Yarmouth (Gorleston) ...	1027.5	35	SSW	2	o	1015.9	-4	35	+1	SW	2	-	om	2	1	37	33	om	om	ompsr	*			
Clacton-on-Sea ...	1029.6	36	SSE	3	ogm	1017.7	-5	38	+5	W	3	-	ogm	2	1	38	32	ogm	ogm	ogmr	0.0			
Nottingham ...	1025.8	34	SW	2	od	1014.6	*	37	+4	SW	2	-	or	*	1	37	32	ome	omd	a.oe	0.0			
Benson (Oxon.) ...	1028.1	33	S	1	r	1017.3	-6	33	+5	SSW	2	-	o	*	1	37	27	o	r	o	*			
Sth Farnborough ...	1028.1	33	SSE	3	o	1018.0	-4	32	+11	S	2	S	cm	*	1	38	20	bc.om	omh.so	ogm.svm	0.0			
Salisbury Plain ...	1029.6	33	SE	1	od	1018.5	-5	33	+6	-	0	-	om	*	2	39	37	ox	oxo.bsq	b.bcc	*			
London (Kew Obsy.) ...	1028.7	35	S	1	S	1017.6	-3	36	+8	SSW	1	-	f	*	1	38	27	bm.f.c.o	oxo.bsq	b.bcc	0.0			
NORTHERN EUROPE.	Spitsbergen ...	1009.0	18	SE	2	bc	1005.6	-4	18	-1	-	0	*	S	*	19	18							
	Vardö ...	1017.9	27	S	5	S	1018.4	*	28	-2	NNW	6	-	C	4	*	30	21						
	Gjesvær ...	1011.9	37	S	6	b	1015.4	*	36	0	S	2	-	b	3	1	36	30						
	Bodö ...	1015.9	39	E	1	o	1011.7	-3	37	+12	E	1	-	b	2	1	43	35						
	Christiansund ...	1014.0	41	W	3	b	1011.1	-4	43	0	SW	4	-	o	4	*	45	39						
	Skudesnaes ...	1021.6	39	S	6	r	1012.4	-13	36	-3	S	9	-	r	5	22	39	34						
	Færder (X'tania Fjord) ...	1027.7	37	SW	5	o	1022.6	-2	34	-2	SSW	6	-	o	4	TRACE	37	34						
	The Scaw (Skagen) ...	1030.4	34	SSW	3	o	1023.7	-3	34	+2	NE	3	-	o	3	TRACE	34	32						
	Blaavands Huk ...	1033.1	34	S	1	o	1023.8	-5	32	-2	SSW	3	NE	o	*	TRACE	36	28						
	Copenhagen ...	1033.6	32	ESE	3	o	1027.1	-3	28	-4	S	3	-	o	*	-	34	28						
Bornholm ...	1034.0	27	SSE	3	m	1027.7	-4	25	-5	SSE	3	-	o	0	-	32	23							
FRANCE, &c.	The Helder ...	1030.4	30	SE	1	o	1019.1	-6	30	0	SSE	3	-	S	1	TRACE	32	30						
	C. Gris Nez ...	1029.2	32	SE	1	o	1018.9	-3	36	+4	SSW	5	*	T	*	2	34	30						
	La Hève ...	1029.6	32	E	2	o	1021.3	-6	30	0	S	4	*	o	*	?	32	28						
	Brest (St. Mathlen) ...	1030.9	45	NW	2	o	1023.1	-1	46	+7	NNW	3	*	C	*	TRACE	46	41						
	Rochefort (Ile d'Aix) ...	1029.9	30	NE	4	o	1026.3	-1	30	0	NE	1	*	o	*	-	36	30						
	Biarritz ...	1028.8	36	ESE	2	o	1024.3	-2	37	+5	ESE	2	*	o	*	-	37	32						
	Paris ...	1030.3	32	NE	2	o	1023.4	-3	30	-2	WSW	1	*	o	*	-	34	30						
	Belfort ...	1029.2	32	SE	1	o	1024.6	*	23	-5	E	2	*	o	*	-	28	23						
	Lyons ...	1028.0	30	NNW	2	o	1023.8	-1	27	-1	N	1	*	o	*	-	32	27						
	Nice ...	1016.7	46	SW	2	b	1012.2	-2	43	-3	E	1	*	b	*	-	57	39						
Perpignan ...	1021.2	36	NW	3	b	1017.2	-2	34	-2	WNW	6	*	b	*	-	41	34							
Sanguinaire ...	1021.2	36	NW	3	b	1017.2	-2	34	-2	WNW	6	*	b	*	-	41	34							
IBERIA, &c.	Corunna ...	1029.4	48	NE	4	b	1027.9	0	43	+11	-	0	-	o	2	-	48	39						
	Madrid ...	1023.1	43	N	1	b	1025.5	+1	28	-2	-	0	-	o	*	-	46	25						
	Lisbon ...	1022.6	*	SE	7	r	1021.6	-2	61	+1	SE	6	*	o	6	7	61	59						
	Azores (Horta) ...	1022.6	*	SE	7	r	1021.6	-2	61	+1	SE	6	*	o	6	7	61	59						
	„ (P. Delgada) ...	1022.6	*	SE	7	r	1021.6	-2	61	+1	SE	6	*	o	6	7	61	59						
	Madeira ...	1019.9																						

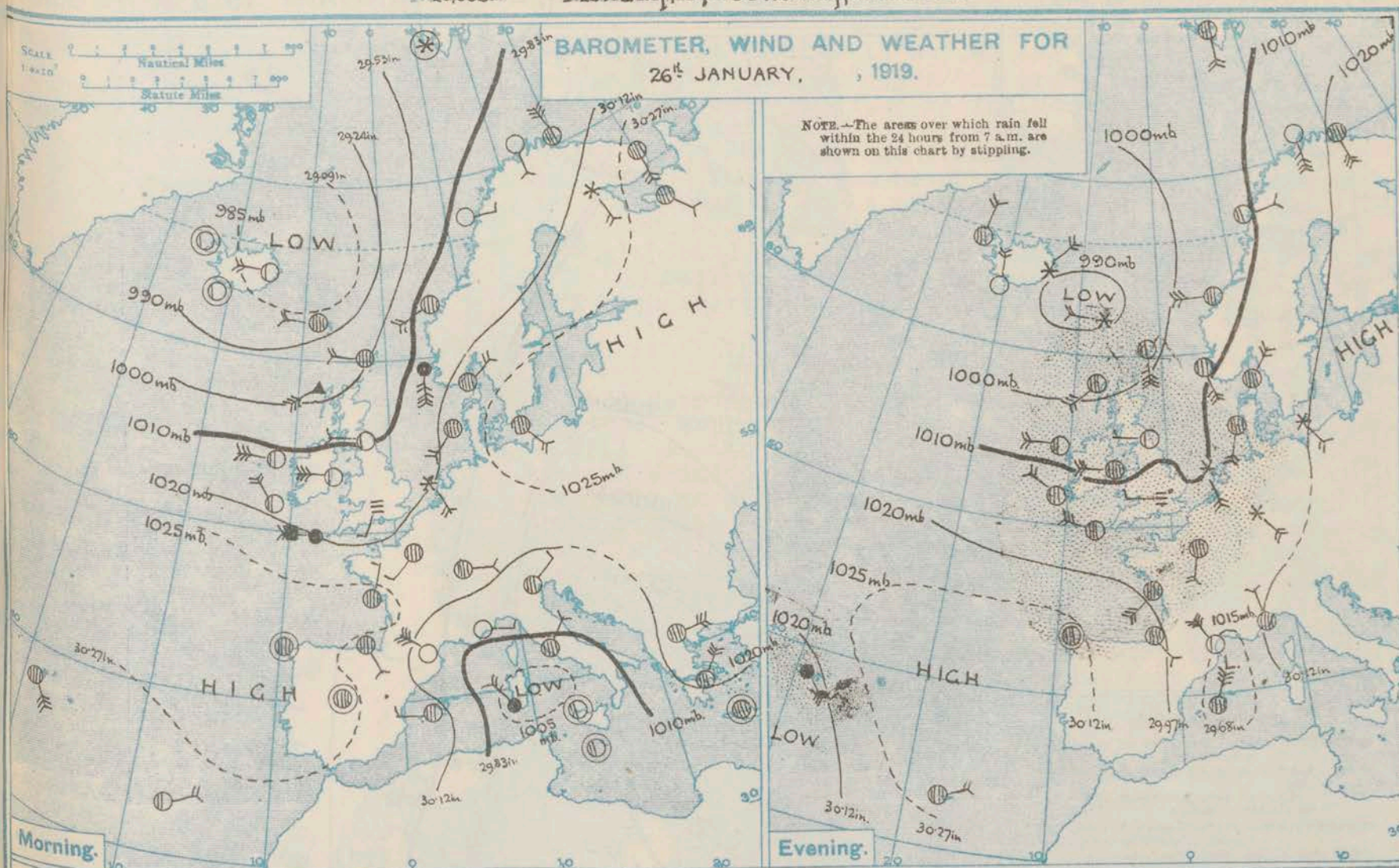
THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity.	
	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.3

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,885.

Monday, 27th January, 1919.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 26th JANUARY

STATIONS.	EVENING OF 25th...					MORNING OF 26th...										MORNING OF 26th...									
	BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.				
			Direc.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Direc.		Force 0-12.			
																						*F.	*F.	*F.	*F.
RUSSIA.	Orlov ...	x	x	x	x	1026.9	-	16	+4	SSW	5	0	-	x	x	Isafjord ...	988.6	21	-6	-	0	b			
	Kem ...	x	x	x	x	1023.9	-	23	+7	S	2	S	-	x	x	Reykjavik	985.9	22	-6	-	0	b			
	Archangel	x	x	x	x	1023.0	-	16	+11	SSW	5	S	-	x	x	Vestmanna	985.7	29	-1	-	0	b			
	Mesen...	x	x	x	x									x	x	Seydisfjord	983.9	25	-9	W	4	b			
SWEDEN.	Haparanda						x						x	x	x	Thorshavn	986.7	34	-8	W	3	0			
	Hernösand						x						x	x	x	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM									
	Stockholm						x						x	x	x	27th and 28th Jan. 1919.									
	Wisby ...						x						x	x	x	Sunrise. Noon. Sunset.									
	Sordovalä						x						x	x	x	G.M.T. G.M.T. G.M.T.									
ITALY.	Hangö ...						x						x	x	x	Yarmouth ...	7.46	12.6	4.26						
	Venice ...	1022.1	37	E	1	b	1017.7	x	36	-1	ENE	1	c	-	45	34	Greenwich ...	7.44	12.6	4.28					
	Turin ...						x										7.49	12.13	4.37						
	Pesaro ...	1021.3	41	NW	2	0	1016.9	x	37	-	NW	2	r	2	43	36		7.47	12.13	4.39					
	Leghorn	1015.0	46	NE	1	b	1011.5	x	43	-	-	0	b	-	50	41		8.32	12.25	4.17					
	Rome ...	1011.8	48	N	1	0	1006.5	x	51	+6	NE	2	0	-	57	46		8.30	12.25	4.19					
	Viesti ...						x										8.32	12.25	4.17						
	Brindisi						x										8.30	12.25	4.19						
Cagliari	1005.0	46	W	3	r	1003.7	x	48	+2	WNW	3	r	62	57	41		8.32	12.25	4.17						
Palermo	1005.5	46	-	0	r	1005.8	x	46	-10	-	0	b	10	63	43		8.30	12.25	4.19						
	Tripoli						x										8.32	12.25	4.17						

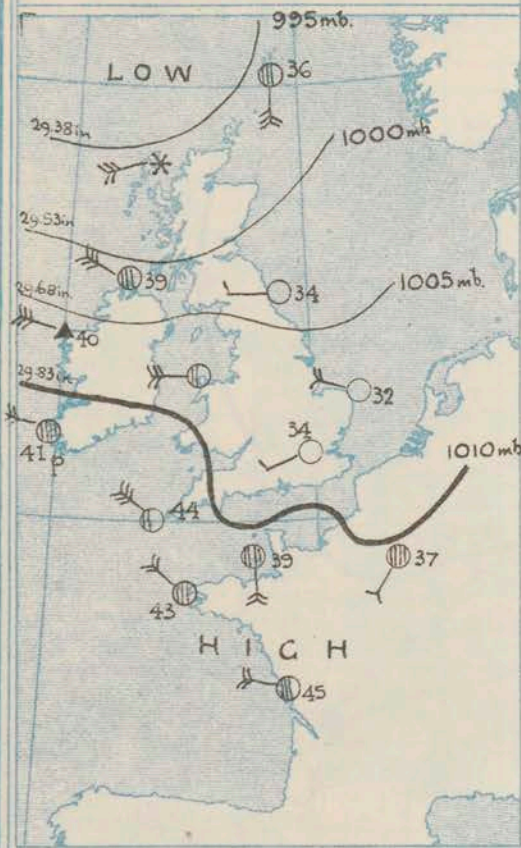
LONDON	Humidity.		Sun-shine for 24 hours.	TEMPERATURE.			Rain-fall.	WEATHER.		
	15 h.	9 h.		Max.	Min.	Min. on Grass.		Morning.	Afternoon.	Night.
27th January... 9h. G.M.T.	26th.	27th.	26th.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	93	99	0.0	41	28	18	1	or	or	or
CITY (Bunhill Row)	x	x	0.0	x	x	x	x	x	x	x
WESTMINSTER (St. James's Park)	93	99	0.0	41	28	24	2	x	x	x
(Roof near Charing Cross)	93	100	0.0	41	30	x	1	ofc	omro	e, bc, ofc
CAMDEN SQ. (British Rainfall)	-	100	0.0	40	30	25	2	-	-	-
KENSINGTON PALACE	-	91	0.0	40	29	20	1	dr	0	x
RICHMOND PARK	x	x	0.0	x	x	x	x	x	x	x

SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 26th.		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
95	3.0	7

27th JAN, at 1h. G.M.T.

THE MORNING OF Monday, 27th

JANUARY 1919 at 7h. G.M.T.



EXPLANATION.

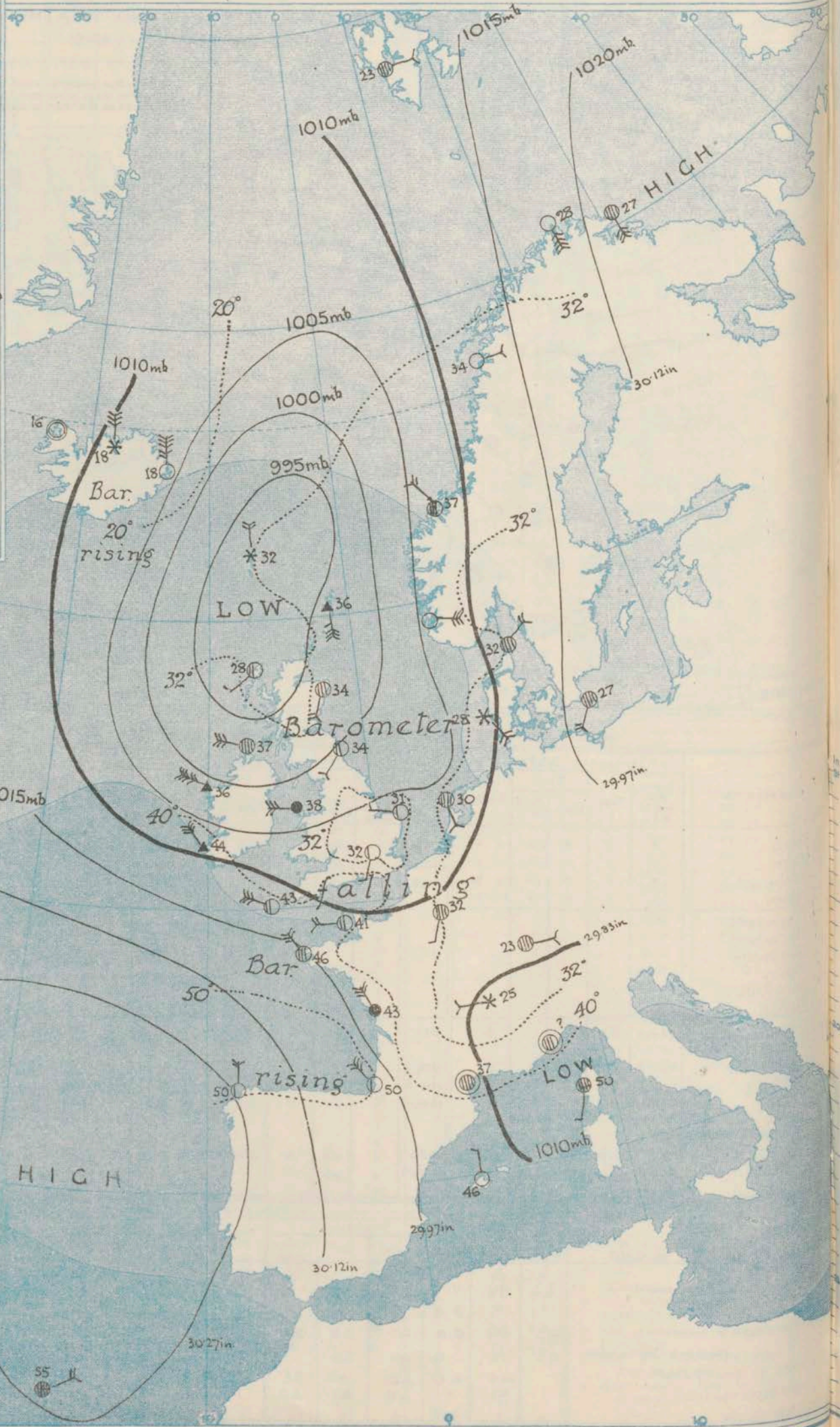
BAROMETER.—Isobars are drawn for intervals of five millibars.

WIND.—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Calm.

TEMPERATURE.—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

WEATHER.—Shown by the following symbols:—
 ○ clear sky. ○ sky ½ clouded. ○ sky ¾ clouded.
 ○ sky ¾ clouded. ○ overcast sky. ● rain falling.
 * snow. ▲ hail. ≡ fog. ≡ mist. T, thunder.
 K, thunderstorm.

SEA DISTURBANCE.—Rough. High.

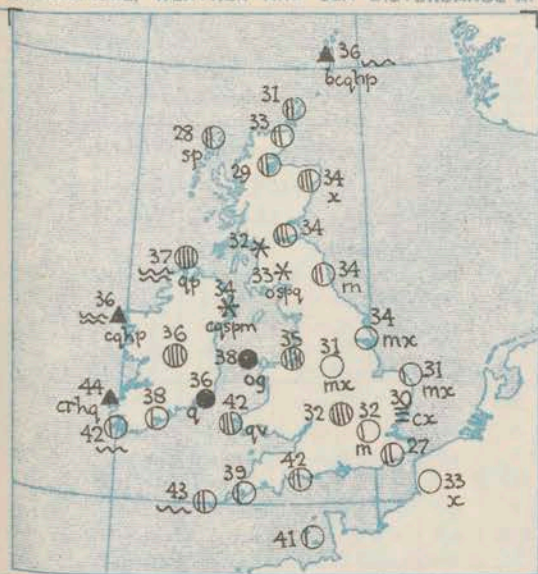


SCALE 1:100,000
 Nautical Miles
 Statute Miles

Normal Temperature of the Sea

Below 40° 40°-50° 50°-60° Above 60°

Scale of Tints for JANUARY.



NOTES.

Scilly. Extreme WNW 8 at 16h 26h.

Glasgow. 3cm. of snow lying.

Notes on the Weather of the 24 hours ended 7h. Today

Temperature rose to 49° at the Mouth of the Channel, but no higher than 40° over the greater part of the Kingdom; at many stations it failed to reach that value. Frost occurred at night in most districts, the lowest minima being 26° in London (Kew Observatory), and 25° at Dungeness. The day was bright in Wales and the western and north-western parts of England; at Liverpool the bright sunshine record was $6\frac{1}{2}$ hours. In the south-east of England and at Jersey there was no sunshine. Showers of rain, hail or snow were experienced generally, the largest measurement being 7 mm. at Malin Head.

The Conditions at 7h. Today

A depression is centred to the northward of the Hebrides, while a secondary is shown to the northward of Holland, and a fall of the barometer in Wales and Ireland seems to indicate the formation of another secondary in that region. Pressure is highest in the north of Russia and over Madeira. The North-Westerly to Westerly winds which are prevalent over Ireland and England have little strength generally, but blow a fresh to strong breeze on exposed parts of the western coasts, and a strong gale at Blacksod Point. They are accompanied by a rather low temperature and by variable weather. At several Irish stations hail or snow showers are reported. Over the eastern half of England there is little cloud, but a good deal of mist, and at Clacton fog. The SWly. wind in Scotland is also accompanied by a low temperature and variable weather; at Glasgow and Eskdalemuir snow is falling.

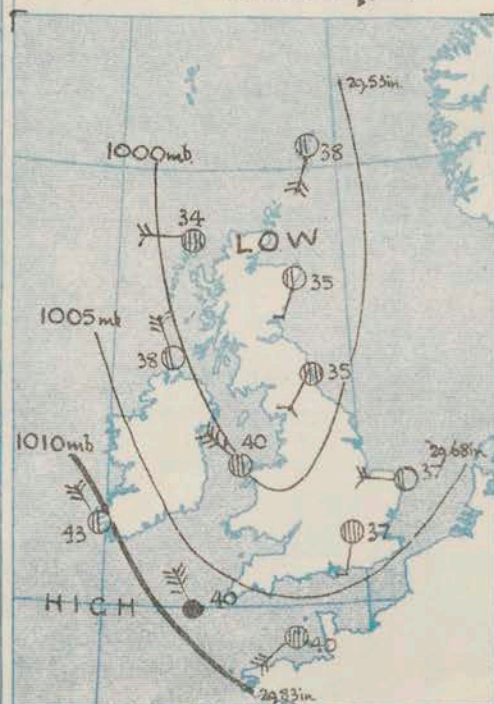
The Outlook

The Northern depression will probably move in a south-easterly or easterly direction and cause more or less snow in most parts of the British Isles. The general distribution of pressure appears likely to continue favourable for the passage of further depressions from the Atlantic over these Islands.

H.H.

Monday, 27th

JANUARY, 1919, at 13h. (1p.m.) G.M.T.



The main depression appears to be extending south-eastward. Within the greater part of its area the barometer is rising, while to the southward and south-eastward it is falling.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919. No. 27..

MONDAY.
27th JANUARY

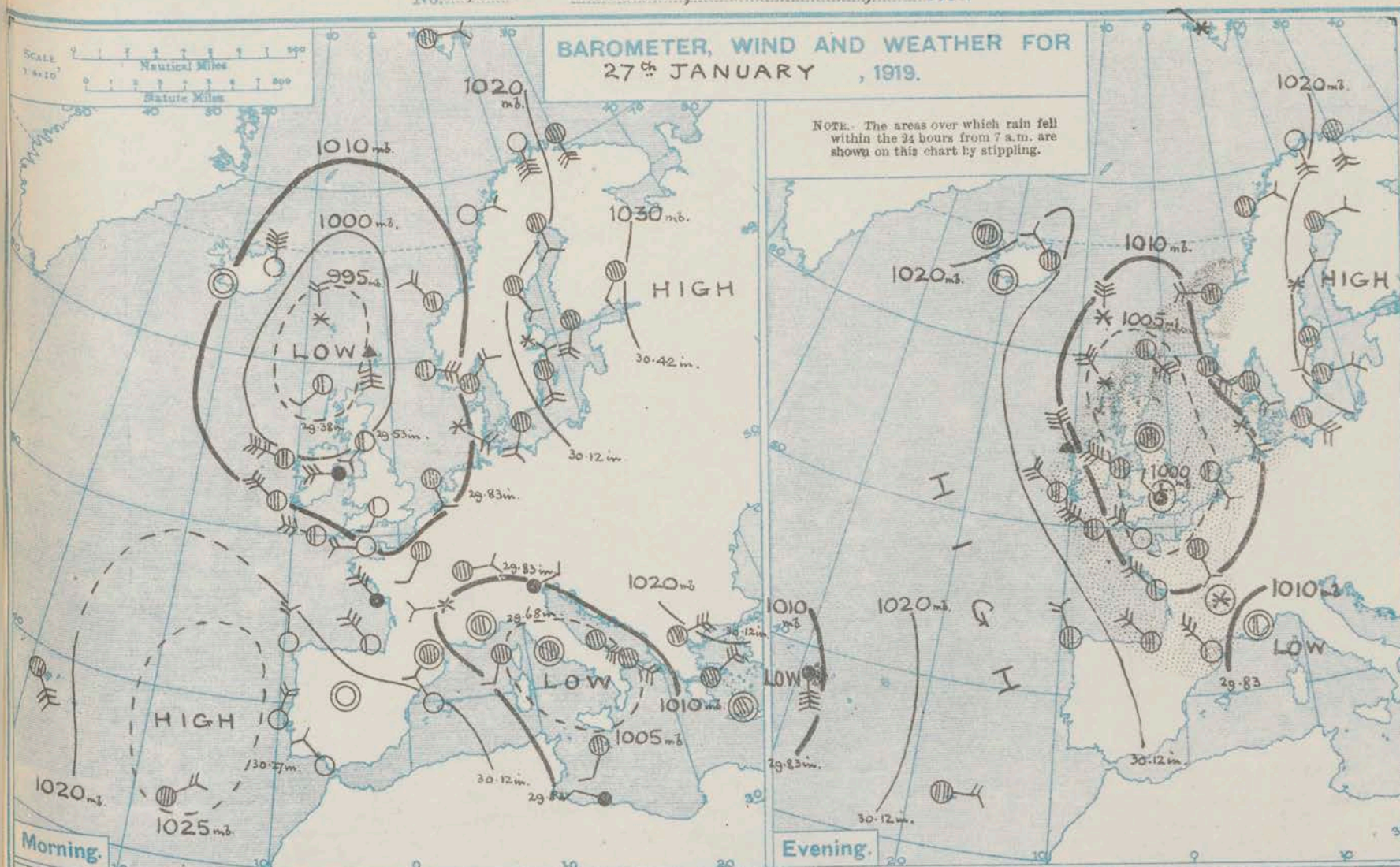
STATIONS.		EVENING OF... 26th.					MORNING OF... 27th.										24 HOURS ENDED 7th 27th.					Sun- shine for 26th
		Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
				Direc.	Force 0-12.				Dry Bulb.	Change in 24 hours.						Max.	Min.	Morning.	Afternoon.	Night.		
		°F.	°F.			°F.	°F.													Hours.		
BRITISH ISLANDS.	Lerwick	997.2	36	S	7	bem	995.2	-2	36	-3	S	7	-	begph	5	1	39	32	bey	em	emph	*
	Houton B. (Orkney)	997.4	34	SSW	7	b	994.9	*	31	-2	SSW	2	-	bc	2	2	39	31	b, bchs	b, bex	bce	*
	Stornoway	996.7	34	SW	5	chs	993.4	+1	28	-5	?	?	-	bchs	0	2	37	28	bchsq	bc, chs	bchs	1.7
	Castlebay (Barra Isd.)																					
	Glasgow	1005.5	35	W	2	o	998.4	-5	32	-3	SW	2	-	s	*	6	40	32	osf, bc	c, oaf	b, bhs	2.9
	Eskdalemuir	1006.0	34	SW	5	b	999.0	-6	33	-1	SSW	5	-	osf	*	1	37	30	b, oaf	c, bc	b, bex	3.2
	Malin Head	1004.6	37	WSW	5	bchqs	996.8	-2	37	-2	WNW	6	-	osf	7	39	34	cqhs	bchqs	osfhs	1.7	
	Blacksod Point	1008.3	39	W	4	bchq	1002.8	-4	36	-2	WNW	9	-	cqhs	7	42	33	bchq	bchq	qfhs	*	
	Valencia (Cabrillo Is.)	1013.7	41	NW	3	c	1010.1	-5	44	0	NW	6	-	ergh	0	6	46	36	chq	chq	chq	1.2
	Roche's Point	1013.3	39	NW	2	b	1009.1	-3	38	-2	WNW	3	NW	b	2	2	44	37	bc, c	c, of, b	b, bch	*
	Birr Castle	1010.6	36	WSW	1	c	1004.4	*	36	-1	W	2	-	o	*	5	39	32	ch	ch	c, o, b	1.3
	Donaghadee	1007.1	37	SW	4	bmq	999.3	-5	34	-1	SW	4	-	omqhs	4	1	43	32	bmq	bmq	bq, omq	*
	Liverpool (Bidston)	1009.2	38	SW	2	b	1003.6	-4	35	-6	WSW	2	W	o	2	1	43	34	c, b	b, bc	bc, oaf	6.6
	Holyhead	1008.7	42	W	5	of	1003.1	-5	38	-5	W	5	-	org	4	2	45	37	b, bc, c	bc, b	c, oaf	6.0
	Pembroke (St. Ann's)	1011.5	43	W	4	of	1007.3	-5	42	-2	W	5	-	org	4	0.2	45	41	c, b, c	bc, c	b, bex	5.5
	Hartland Quay																					*
	Scilly (St. Mary's)	1016.2	43	WNW	5	c	1013.0	0	43	-3	WNW	6	NW	bc	6	1	49	41	o, bch	ch	bc	2.7
	Falmouth	1013.9	39	W	3	b, v	1011.3	-1	39	-4	WNW	3	-	b	*	4	49	38	or, bch	bch, ch	bchh	4.0
	Jersey (St. Aubin)	1014.0	40	WNW	4	b	1010.6	0	41	-4	W	3	W	b	3	5	47	37	of	of, b	b	0.0
	Portland Bill	1012.8	44	WNW	4	b	1008.7	0	42	-3	NW	4	NW	bc	3	2	47	40	ch, bc	bch	bc	*
Dungeness	1010.6	40	NW	3	o	1007.3	-1	27	-15	NW	3	NW	bc	2	4	43	25	cr	cr, c, o	c, b, bex	*	
Wick	994.8	34	SW	4	bc	995.3	-1	33	-2	WSW	2	-	bc	3	0.2	38	32	bchs	bcmhs	bchsh	*	
Nairn	1000.1	33	SW	1	bc	994.7	*	29	-4	-	0	-	bc	1	1	38	28	b, o	b, bc	b, bex	3.7	
Aberdeen	1002.4	37	SSW	4	b	996.9	-2	34	-3	SSW	3	-	ex	2	-	40	32	b, v	b, v, b	b, bc, c	6.1	
Leith	1004.3	36	SW	2	b	997.3	-1	34	-2	SW	2	SW	c	2	2	40	34	b, bc, b	bch, b	bch, c	*	
Tynemouth	1007.0	37	W	1	b, m	1000.4	-3	34	-6	SW	2	-	b, m	3	-	42	33	b, m	b, m	b, m	*	
Spurn Head	1009.9	37	WSW	1	b, m	1004.0	-2	34	-1	WSW	2	-	b, m	2	3	41	33	b, m	b, m	b, m	1.6	
Yarmouth (Gorleston)	1010.4	36	WSW	2	om	1006.6	-2	31	-4	W	1	-	b, m, c	1	4	38	29	om	omr	om, b, m	*	
Clacton-on-Sea	1011.2	37	WNW	2	ogm	1007.1	-1	30	-8	WNW	2	NW	fxe	1	-	40	28	ogm	ogmd	b, m, c	0.0	
Nottingham	1010.4	35	SW	1	bc	1005.0	*	31	-6	WSW	1	-	b, m, c	*	0.3	42	30	o, cm	b, m	bc, b	0.6	
Benson (Oxon.)	1011.6	30	-	0	b	1006.9	-2	32	-1	SW	1	-	o	*	4	40	29	r	bc	b, b, bex	*	
St. Farnborough	-	-	W	1	b, m	1007.9	-1	32	0	WNW	2	-	omx	*	2	40	27	om, omr	to, b, m	b, o, m	0.0	
Salisbury Plain	1013.3	32	W	1	b	1008.8	-2	30	-3	WNW	3	NW	b, m, c	*	2	40	29	cb	c, b	b, bc, c	*	
London (Kew Obsy.)	1011.6	36	W	1	m	1007.3	-2	32	-4	SSW	1	-	b, m	*	1	40	26	m, omr	omr, b, m	b, m, c, oaf	0.0	
NORTHERN EUROPE.	Spitsbergen	1006.9	27	S	4	c	1012.7	0	23	+5	E	2	*	o	*	27	18	THE BEAUFORT SCALE OF WIND FORCE.				
	Vardö	1022.7	28	S	6	o	1023.3	0	27	-1	S	6	-	o	3	30	23	Limits of Velocity.				
	Gjesvær	1014.6	34	S	7	b	1016.3	*	28	-8	S	8	-	b	3	36	27	No.				
	Bodö	1009.0	36	E	2	bc	1012.8	+1	34	-3	E	2	-	b	2	37	30	Statute miles per hour.				
	Christiansund	1006.0	37	W	5	c	1007.1	0	37	-6	NW	3	-	c	4	43	36	Metres per second.				
	Skudesnaes	1008.2	34	SSE	5	o	1006.1	-3	34	-2	ESE	6	-	b	4	36	34	0				
	Færder (Xianiafjord)	1018.3	30	SSE	6	o	1013.0	-1	28	-6	ESE	5	-	o	3	34	28	1				
	The Scau (Skagen)	1018.6	32	SSE	4	o	1011.0	-2	32	-2	NE	3	-	o	3	36	30	2				
	Blaavands Huk	1019.7	30	SSE	4	o	1008.7	-2	28	-4	SE	4	-	s	*	32	25	3				
	Copenhagen	1018.7	28	SE	3	o	1013.7	0	28	0	S	3	-	m	*	Trace	30	27	4			
Bornholm	1019.7	26	SE	3	s	1015.4	0	27	+2	SSW	3	-	o	0	Trace	27	23	5				
FRANCE, &c.	The Helder	1009.6	30	SSE	4	s	1005.3	-3	30	0	SSE	2	-	o	1	4	30	27	6			
	C. Gris Nez	1010.6	36	SSE	3	o	1077.7	0	37	+1	NW	2	*	bc	*	4	41	36	7			
	La Hève	1013.6	37	SW	5	r	1009.7	-3	36	+6	SW	4	*	r	*	5	-	-	8			
	Brest (St. Mathieu)	1017.0	46	NW	4	c	1015.5	+1	46	0	NW	5	*	c	*	5	50	39	9			
	Rochefort (Ile d'Aix)	1019.7	37	SW	5	o	1012.8	0	43	+13	NW	5	*	rh	*	43	37	10				
	Biarritz	1022.7	41	SE	2	o	1015.5	+2	50	+13	NW	5	*	b	*	50	37	11				
	Paris	1016.4	32	SSW	3	o	1010.4	0	32	+2	SSW	1	*	o	*	6	34	30	12			
	Belfort	1013.0	*	*	*	*	1013.0	*	23	0	E	2	*	o	*	?	27	23	Above 75			
	Lyons	1021.6	27	NNW	2	o	1012.0	+5	25	-2	SW	1	*	s	*	Trace	-	-	BEAUFORT NOTATION.			
	Nice	1011.3	43	-	0	b	1006.4	-4	?	-	-	0	*	c	*	-	54	37	b blue sky (not more than a quarter covered).			
IBERIA, &c.	Perpignan	1015.5	39	NW	6	b	1011.3	-9	37	+3	-	0	*	o	*	-	45	34	bc sky partly cloudy (one half covered).			
	Sanguinaire	1005.2	-2	50	0	SSW	1	*	o	*	o	*	-	55	46	c generally cloudy (three quarters covered).						
	Corunna	1026.5	50	-	0	c	1024.6	+1	50	+7	N	3	-	b	4	52	43	d drizzle, or fine rain.				
	Madrid	1019.1	*	SE	6	r	1015.4	-3	61	0	SE	6	*	o	6	10	63	59	e wet air without rain falling.			
	Lisbon	1025.1	59	ENE	3	o	1025.1	-2	55	+1	ENE	3	N	o	3	-	63	54	f fog.			
	Azores (Horta)	1019.1	*	SE	6	r	1015.4	-3	61	0	SE	6	*	o	6	10	63	59	g gloom.			
	" (P. Delgada)	1019.1	*	SE	6	r	1015.4	-3	61	0	SE	6	*	o	6	10	63	59	h hail.			
	Madeira	1025.1	59	ENE	3	o	1025.1	-2	55	+1	ENE	3	N	o	3	-	63	54	i lightning.			
	Gibraltar	1017.9	0	46	+1	-	0	-	0	-	b	0	-	64	41	m mist.						
	Algiers	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	o overcast sky.			
MEDITERRANEAN.	Malta	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	p passing showers.			
	Salonica	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	q squalls.			
	Athens	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	rs sleet, i.e., rain and snow together.			
	Candia	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	s snow.			
	Limassol	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	t thunder.			
	Alexandria	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	u ugly, threatening sky.			
	Cairo (Helwan)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	v unusual visibility.			
		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	w dew.			
		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	x hoar frost.			
		*	*	*	*	*																

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,886

TUESDAY, 28th JANUARY, 1919.

BAROMETER, WIND AND WEATHER FOR 27th JANUARY, 1919.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 27th JANUARY

WEATHER TELEGRAMS FROM FOREIGN STATIONS OF

STATIONS.	EVENING OF... 26th...					MORNING OF... 27th...										MORNING OF... 27th...						
	BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.		Weather.	Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.
			Direc.	Force 0-12.				Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.			Max.	Min.			Dry Bulb.	Change in 24 hours.	Direc.	Force 0-12.	
		°F.						°F.	°F.					°F.	°F.			°F.	°F.			
RUSSIA.																						
Orlov ...	x	x	x	x	x	1030.7	-	16	0	S	4	0	-	x	x							
Kem ...	x	x	x	x	x									x	x							
Archangel ...	x	x	x	x	x	1033.1	0	12	-4	SE	3	0	-	x	x							
Mesen...	x	x	x	x	x									x	x							
SWEDEN.																						
Haparanda ...						1024.2	x	28	-	S	4	0	x	x	x							
Hernösand ...						1020.8	x	30	-	SE	2	0	x	x	x							
Stockholm ...						1017.0	x	19	-	SE	2	0	x	x	x							
Wisby ...						1017.1	x	27	-	S	2	0	x	x	x							
Sordövala ...						1029.6	x	28	-	SW	1	0	x	x	x							
Hangö ...						1023.7	x	19	-	SW	5	0	x	x	x							
ITALY.																						
Venice ...	1013.1	37	ENE	1	0	1007.3	x	39	+3	ENE	1	Y	?	45	35							
Turin ...							x															
Pesaro ...	1004.3	37	W	3	Y	1007.8	x	36	-1	N	4	Y	11	41	36							
Leghorn ...							x															
Rome ...	1007.9	45	N	1	Y	1002.6	x	43	-8	-	0	0	-	52	41							
Viesti ...	1009.3	50	SE	6	0	1001.8	x	50	-	SE	6	0	82	52	46							
Brindisi ...	1008.5	50	SE	2	Y	1002.3	x	54	-	SE	4	0	21	55	50							
Cagliari ...							x															
Palermo ...							x															
Tripoli ...	1004.9	?	WNW	1	Y	1008.2	x	46	-	WNW	1	Y	2	?	46							

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

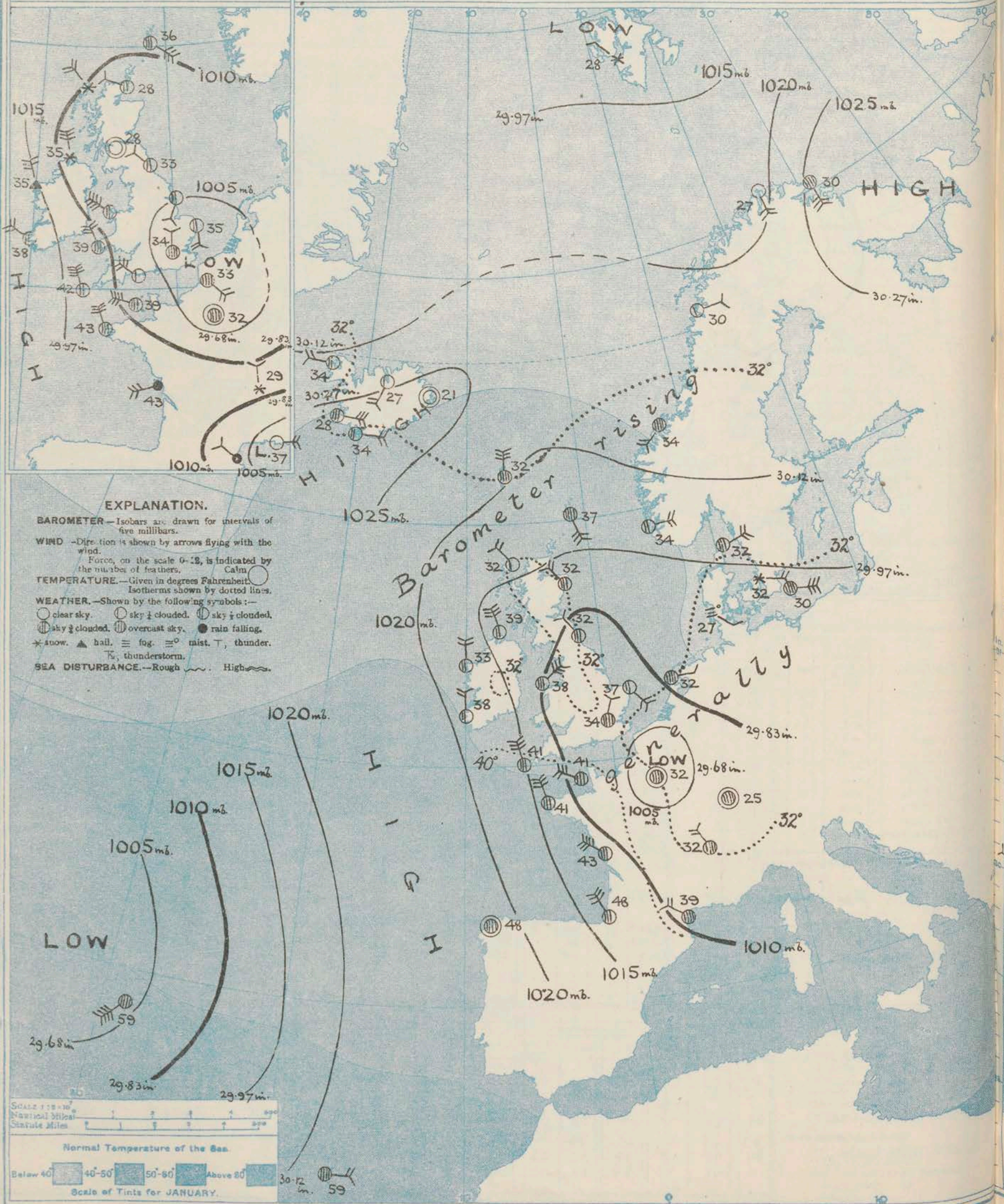
Station	Sunrise	Noon	Sunset
28 th and 29 th Jan 1919.	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.44	12.6	4.28
Greenwich ...	7.42	12.6	4.30
Wick ...	7.47	12.13	4.39
Valencia ...	7.46	12.13	4.41
	8.30	12.25	4.19
	8.28	12.25	4.22
	8.30	12.54	5.18
	8.28	12.54	5.20

LONDON	Humidity		Sun-shine for	TEMPERATURE.			Rain-fall.	WEATHER.		
	25 h.	0 h.		Max.	Min.	Mtn. on Grass		Morning.	Afternoon.	Night.
28 th January 28 th G.M.T.	27 th	28 th	27 th	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	87	95	1.1	38	32	32	7	0.0	0.0 or	0.0 or
CITY (Banhill Row)	x	x	0.0	x	x	x	x	x	x	x
WESTMINSTER (St. James's Park)	89	95	0.5	40	32	30	8	x	x	x
" (Roof near Charing Cross)	87	95	0.1	39	33	x	6	0.0	0.0 or	0.0 or
CAMDEN SQ. (British Rainfall)	89	96	0.0	39	32	28	10	0	0.0 or	0.0 or
KENSINGTON PALACE	-	91	x	39	32	32	9	0	Y	x
RICHMOND PARK	x	x	0.0	x	x	x	x	x	x	x

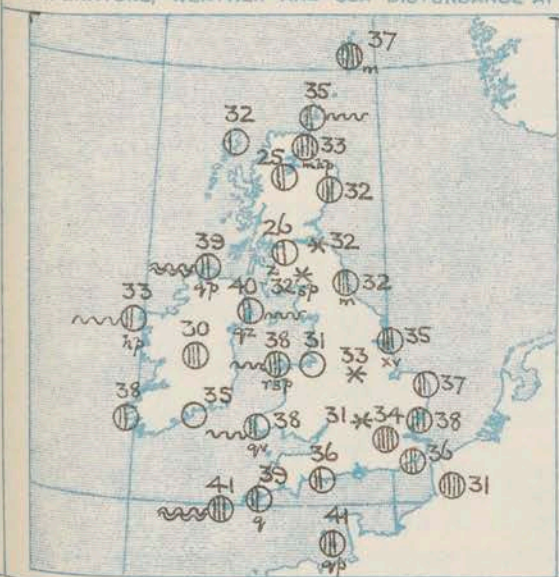
SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 27 th		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
224	7.1	26

28th JAN, at 1h. G.M.T.

THE MORNING OF TUESDAY, 28th JANUARY 1919 at 7h. G.M.T.



TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



NOTES.

Notes on the Weather of the 24 hours ended 7h. Today

Temperature remained below 40° except on the south and south-west coasts and at one or two stations elsewhere; below 35° in some Scottish localities. Frost occurred over a large area at night; at Glasgow and Nairn the minimum was as low as 21° . Hail, sleet, or snow fell very generally, the largest measurements being 12 and 13 mm. in London (Kew Observatory) and Dungeness respectively and 20 mm. at South Farnborough. At some stations in Ireland, the south-west of Scotland, and at Pembroke the sun shone for more than $3\frac{1}{2}$ hours, but as a rule the records were much smaller.

The Conditions at 7h. Today

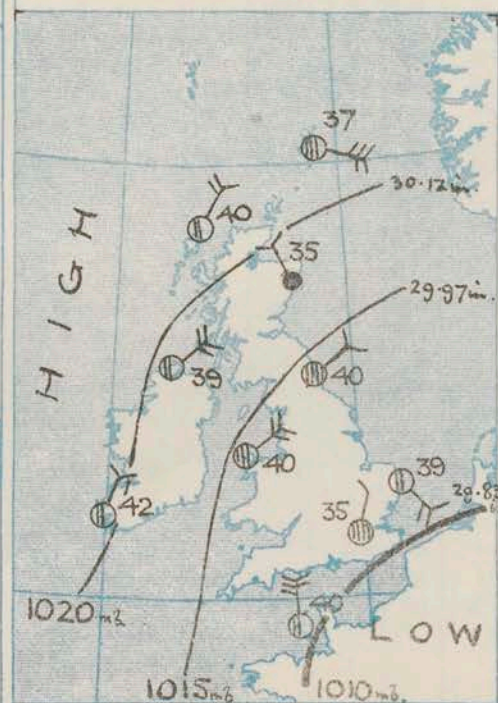
A large depression having its centre to the northward of Paris covers nearly the whole of the United Kingdom and France. Another depression, which is causing SWly. gale in the Azores is indicated to the westward or north-westward of that region. Pressure is high over the south of Iceland and thence in a band extending to Madeira, while a high pressure area still exists over the Kola Peninsula. The Northerly wind blows a fresh to strong breeze on the west coasts of the British Isles and the west and north coasts of France, but has little force elsewhere. Snow continues in various parts of these Islands and the sky is mostly very cloudy or overcast. Temperature has changed rather irregularly - risen somewhat in the south-east and east of England. The lowest readings are 25° at Nairn and 26° at Glasgow.

The Outlook

There are no indications of the immediate approach of any important depression from the westward, but it is probable that local disturbances will develop within the United Kingdom and maintain the weather in a generally unstable condition.

TUESDAY, 28th

JANUARY, 1919, at 13h. (1p.m.) G.M.T.



The barometer has risen in the British Isles since 7h, the change being rather decided in the north and east, but very slight in the south-west of England.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1919. No. 28.

TUESDAY.
28th JANUARY

STATIONS.		EVENING OF...27th.					MORNING OF...28th.										24 HOURS ENDED 7 a.m. 28th.					Sun- shine for 27th Hours.
		Barom. Milli- bars at M.S.L.	Temp. °F.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 24 hours.	Temp. Dry Bulb. °F.	Change in 24 hours.	WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.			
				Direc.	Force 0-12.						Direc.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.	
BRITISH ISLANDS.	Lerwick	1002.2	35	SE	6	c	1016.1	+4	37	+1	SSE	5	-	om	4	4	39	34	bc	c	om	0.1
	Houton B. (Orkney)	1002.9	34	N	1	bc	1015.1	*	35	+4	NE	4	-	bc	2	*	37	31	b, bc	b, bc	b, bc	*
	Stornoway	1002.7	36	NW	6	ofrsq	1015.4	+6	32	+4	NW	3	-	b	2	10	35	27	o, c, ofrs	ofrsq	ofrs, b	0.1
	Castlebay (Barra Isd.)	1004.1	30	NW	2	bc	1013.5	+5	26	-6	WNW	1	-	bc	*	2	34	21	sc, bc	bc, b	b, bc	3.7
	Eskdalemuir	1003.1	29	NNE	1	bc	1011.5	+4	32	-1	N	4	-	os	*	Trace	36	25	os, q, o	bc, bc, b	bc, bc	3.5
	Malin Head	1005.0	33	NW	5	cqr	1012.8	+3	39	+2	NNW	6	-	bc	7	8	39	33	cqr	cqr	bc, bc	0.4
	Blacksod Point	1012.2	39	NNW	7	cqr	1017.2	+4	33	-3	N	4	-	bc	6	1	42	32	cqr	cqr	bc, bc	0.4
	Valencia (Cahirciveen)	1016.0	41	NW	5	c	1019.1	+1	38	-6	N	3	-	bc	0	2	45	37	cqr	bc	bc	3.5
	Roche's Point	1013.3	39	NW	4	b	1017.2	0	35	-3	NW	3	-	b	2	2	43	35	ofrs, o	ch, b	b	*
	Birr Castle	1011.2	36	NNW	2	c	1016.3	*	30	-6	NW	1	-	c	*	2	40	30	ch, r	ch, r	ch, r	4.1
NORTHERN EUROPE.	Donaghadee	1004.2	36	NNW	5	cqr	1011.7	+4	40	+6	NNE	5	-	bc	5	11	40	34	cqr	cqr	bc, bc	0.0
	Liverpool (Bidston)	1002.7	37	NNW	3	b	1008.9	+2	31	-4	NNW	1	-	b	1	2	38	31	ofrs	ofrs	bc, b	0.0
	Holyhead	1003.6	40	NNW	7	cqr	1010.0	+2	38	0	NE	6	-	ch, r	6	4	40	35	ofrs, cqr	cqr	cqr	1.9
	Pembroke (St. Ann's)	1006.0	40	NW?	6	ofrs	1012.5	+1	38	-4	NW	6	-	bc	5	2	43	36	cqr	cqr	cqr	3.7
	Hartland Quay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*
	Scilly (St. Mary's)	1011.1	42	NW	8	c	1015.1	+1	41	-2	NNW	6	-	c	7	4	45	39	ofrs	bq	bc, c	1.2
	Falmouth	1008.7	41	NW	6	bc	1013.2	+1	39	0	NNW	6	-	bc	*	4	43	37	bc, bc	bc, bc	bc, bc	1.9
	Jersey (St. Aubin)	1004.3	41	WNW	5	b	1008.3	0	41	0	WNW	5	-	cqr	4	9	45	37	b, ofrs	ofrs, b	bc, bc	1.8
	Portland Bill	1002.3	37	NW	5	bc	1008.0	+3	36	-6	NNW	4	-	bc	3	1	42	36	ch	bc, bc	bc, b	*
	Dungeness	1000.1	37	SW	4	r	1005.2	+4	36	+9	E	4	-	c	4	13	42	26	bc	bc, or	q, or, c	*
FRANCE, &c.	Wick	1002.8	27	NW	2	bc	1014.5	+5	33	0	WNW	3	-	om	2	0.3	34	25	bc	bc	bc	*
	Nairn	1002.0	29	W	1	bc	1014.8	*	25	-4	-	0	-	bc	0	-	33	21	bc	bc	bc	1.9
	Aberdeen	1002.8	33	WNW	3	b	1013.4	+4	32	-2	NW	3	-	c	2	0.1	37	31	bc, bc	bc, bc	bc, bc	1.2
	Leith	1002.5	35	NW	2	o	1012.2	+2	32	-2	WNW	2	-	s	2	3	36	29	ofrs, o	ofrs, o	ofrs, o	*
	Tynemouth	1000.7	34	-	0	om	1009.0	-	32	-2	NW	2	-	om	3	-	36	30	ofrs	om	om, cm	*
	Spurn Head	1001.0	33	SSE	3	om	1008.3	+2	35	+1	N	2	-	cqr	2	1	36	30	bc	cqr	cqr	2.9
	Yarmouth (Gorleston)	1002.4	33	SW	2	f	1008.2	+4	37	+6	SE	4	-	bc	4	2	38	30	bc	bc	bc, ch	2.3
	Clacton-on-Sea	1001.1	37	S	3	om	1007.5	+4	38	+8	E	4	-	c	3	2	40	29	c, ofrs	ofrs, c, om	om, r	0.0
	Nottingham	1000.9	35	SW	1	dm	1009.2	*	33	+2	N	1	-	s	*	5	37	30	c, ofrs	ofrs	ofrs	0.0
	Benson (Oxon.)	1000.5	33	WSW	3	s	1008.0	+5	31	-1	N	2	-	s	*	4	35	30	ofrs	ofrs	ofrs	0.0
IBERIA, &c.	Sth Farnborough	1000.1	36	NW	4	om	1007.8	+4	33	+1	NNW	3	-	s	*	20	39	31	ofrs	ofrs	ofrs	0.6
	Salisbury Plain	1002.4	34	NW	3	b	1009.4	+3	31	+1	NNW	5	-	ofrs	*	3	36	28	cqr	ofrs, bc	bc, ofrs	*
	London (Kew Obs.)	1000.0	34	NW	1	ofrs	1007.4	+5	34	+2	NNE	2	-	o	*	12	38	32	bc, bc	bc, bc	ofrs, ofrs	0.7
	Spitsbergen	1013.0	30	NW	1	s	1012.3	-2	28	+5	NW	1	-	s	*	*	30	21	-	-	-	-
	Vardö	1024.7	28	S	5	o	1026.1	0	30	+3	S	5	-	o	4	*	30	27	-	-	-	-
	Gjesvær	1019.5	27	S	5	b	1019.1	*	27	-1	S	4	-	b	3	-	28	25	-	-	-	-
	Bodö	1016.4	30	ENE	2	o	1021.5	+1	30	-4	E	2	-	b	2	-	34	27	-	-	-	-
	Christiansund	1012.3	37	W	4	o	1021.5	+3	36	-	SW	3	-	o	3	-	37	34	-	-	-	-
	Skudesnaes	1010.3	34	SE	5	b	1018.3	+10	34	0	E	4	-	bc	4	-	34	30	-	-	-	-
	Færder (Xantia Fjord)	1014.0	30	SSE	3	o	1016.7	+1	32	0	ENE	4	-	c	4	-	34	30	-	-	-	-
MEDITERRANEAN.	The Scaw (Skagen)	1008.8	28	SE	4	s	1013.0	+3	27	-1	SE	1	-	om	*	Trace	30	25	-	-	-	-
	Blaavands Huk	1013.7	30	SE	3	o	1014.0	+2	32	+4	ESE	3	-	s	*	3	34	27	-	-	-	-
	Copenhagen	1014.0	30	SE	5	o	1014.1	+1	30	+3	ESE	6	-	o	5	2	32	25	-	-	-	-
	Bornholm	1004.8	28	SE	2	bc	1010.7	+3	32	+2	E	1	-	o	*	-	32	27	-	-	-	-
	The Helder	1001.0	36	SE	4	o	1005.9	+1	32	-5	E	4	-	bc	4	4	39	30	-	-	-	-
	C. Gris Nez	1002.7	39	SW	6	r	1002.4	0	36	0	NNW	6	-	r	*	11	43	34	-	-	-	-
	La Hève	1009.9	45	NW	6	c	1013.5	+1	41	-5	NNW	6	-	c	*	3	46	39	-	-	-	-
	Brest (St. Mathieu)	1010.6	43	WSW	5	r	1011.5	0	43	0	NW	7	-	c	*	6	48	41	-	-	-	-
	Rochefort (le d'Aix)	1015.8	43	WSW	6	r	1014.0	0	48	-2	NNW	6	-	c	*	5	50	48	-	-	-	-
	Biarritz	1006.6	34	SSE	2	o	1004.3	+2	32	0	-	0	-	o	*	7	36	32	-	-	-	-
MEDITERRANEAN.	Belfort	1008.2	*	*	*	*	1008.2	*	25	+2	-	0	-	o	*	?	30	23	-	-	-	-
	Lyons	1012.3	30	N	1	s	1007.5	+1	32	+7	NW	3	-	c	*	6	36	23	-	-	-	-
	Nice	1001.2	41	-	0	bc	1004.9	0	39	+2	NW	3	-	o	*	3	48	37	-	-	-	-
	Perpignan	1011.5	45	NW	6	b	1004.9	0	39	+2	NW	3	-	o	*	3	48	37	-	-	-	-
	Sanguinaire	1024.1	52	NNW	3	c	1022.3	-1	48	-2	-	0	-	o	3	2	54	45	-	-	-	-
	Corunna	1007.3	*	SSE	8	r	1004.8	0	59	-2	SW	8	-	o	7	20	61	57	-	-	-	-
	Madrid	1024.7	61	E	3	o	1023.3	-2	59	+4	E	3	-	o	3	-	61	55	-	-	-	-
	Lisbon	1006.1	41	E	4	r	1006.7	-	38	-	NW	2	-	r	*	24	44	38	-	-	-	-
	Athens	1009.5	*	*	*	*	1009.5	-1	55	+9	?	?	-	b	6	-	63	45	-	-	-	-
	Candia	1010.7	61	-	0	b	1010.7	+1	63	-	WNW	4	-	b	3	-	72	54	-	-	-	-
MEDITERRANEAN.	Limassol	1010.4	64	-	0	b	1011.7	+3	54	-	SE	1	-	b	*	-	75	52	-	-	-	-
	Alexandria	1009.9	61	-	0	b	1010.7	+1	63	-	WNW	4	-	b	3	-	72	54	-	-	-	-
	Cairo (Helwan)	1010.4	64	-	0	b	1011.7	+3	54	-	SE	1	-	b	*	-	75	52	-	-	-	-

THE BEAUFORT SCALE OF WIND FORCE.

No.	Limits of Velocity.	
	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.3
1	1-3	0.3-1.6
2	4-7	1.6-3.3
3	8-12	3.4-5.4
4	13-18	5.5-7.9
5	19-24	8.0-10.7
6	25-31	10.8-13.8
7	32-38	13.9-17.1
8	39-46	17.2-20.7
9	47-54	20.8-24.4
10	55-63	24.5-28.1
11	64-75	28.5-33.5
12	Above 76	33.6 or above

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 50 per cent.
z dust haze; the turbid atmosphere of dry weather.

THE BEAUFORT SCALE OF WIND FORCE.

No.	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.3
1	1-3	0.3-1.6
2	4-7	1.6-3.3
3	8-12	3.4-5.4
4	13-18	5.5-7.9
5	19-24	8.0-10.7
6	25-31	10.8-13.8
7	32-38	13.9-17.1
8	39-46	17.2-20.7
9	47-54	20.8-24.4
10	55-63	24.5-28.4
11	64-75	28.5-33.5
12	Above 75	33.6 or above

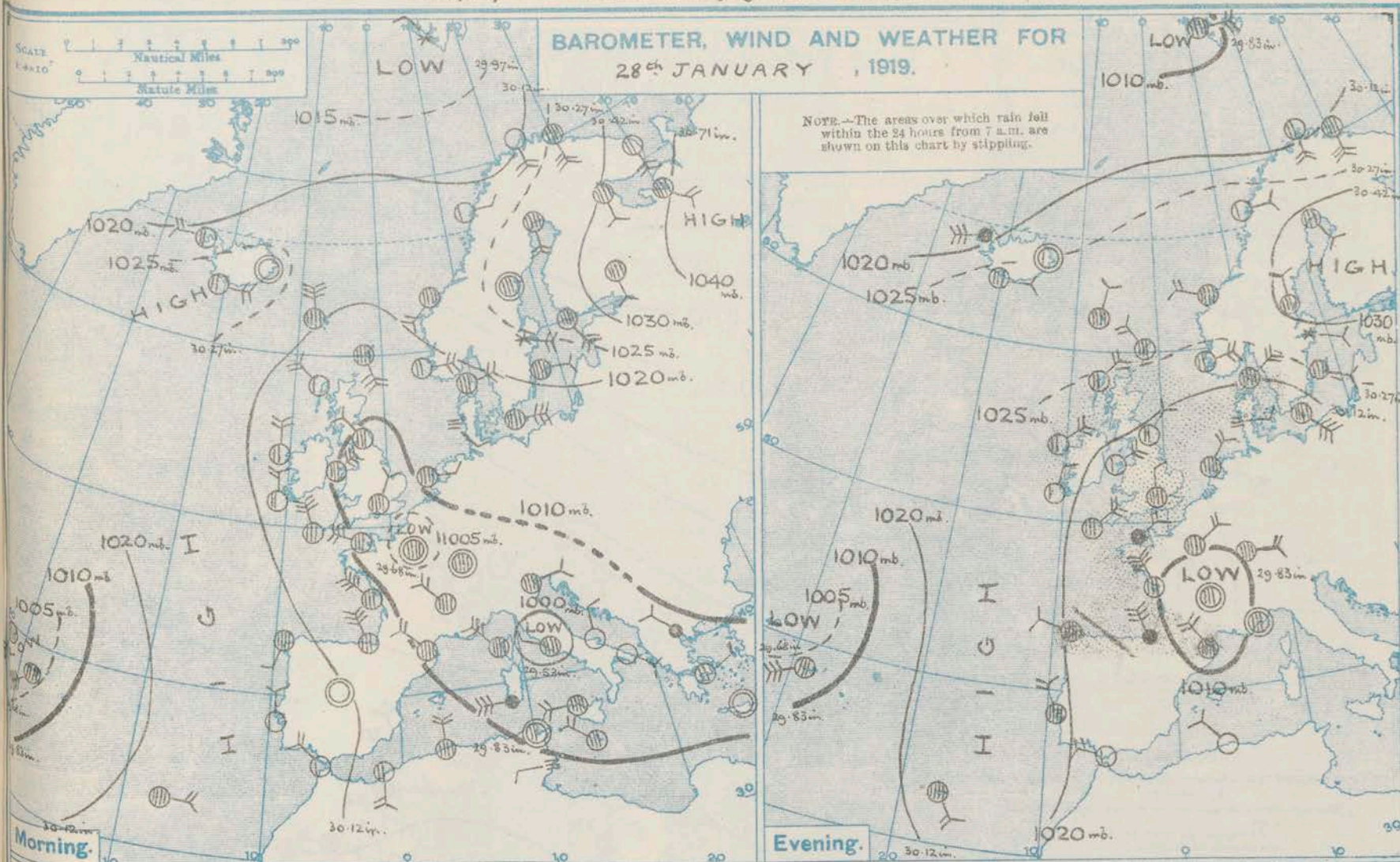
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s snow.
t thunder.
u ugly, threatening sky.
v unusual visibility.
w dew.
x hoar frost.
y dry air, humidity less than 60 per cent.
z dust haze; the turbid atmosphere of dry weather.

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No 20,887

WEDNESDAY, 29th JANUARY, 1919.

BAROMETER, WIND AND WEATHER FOR 28th JANUARY, 1919.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 28th JANUARY

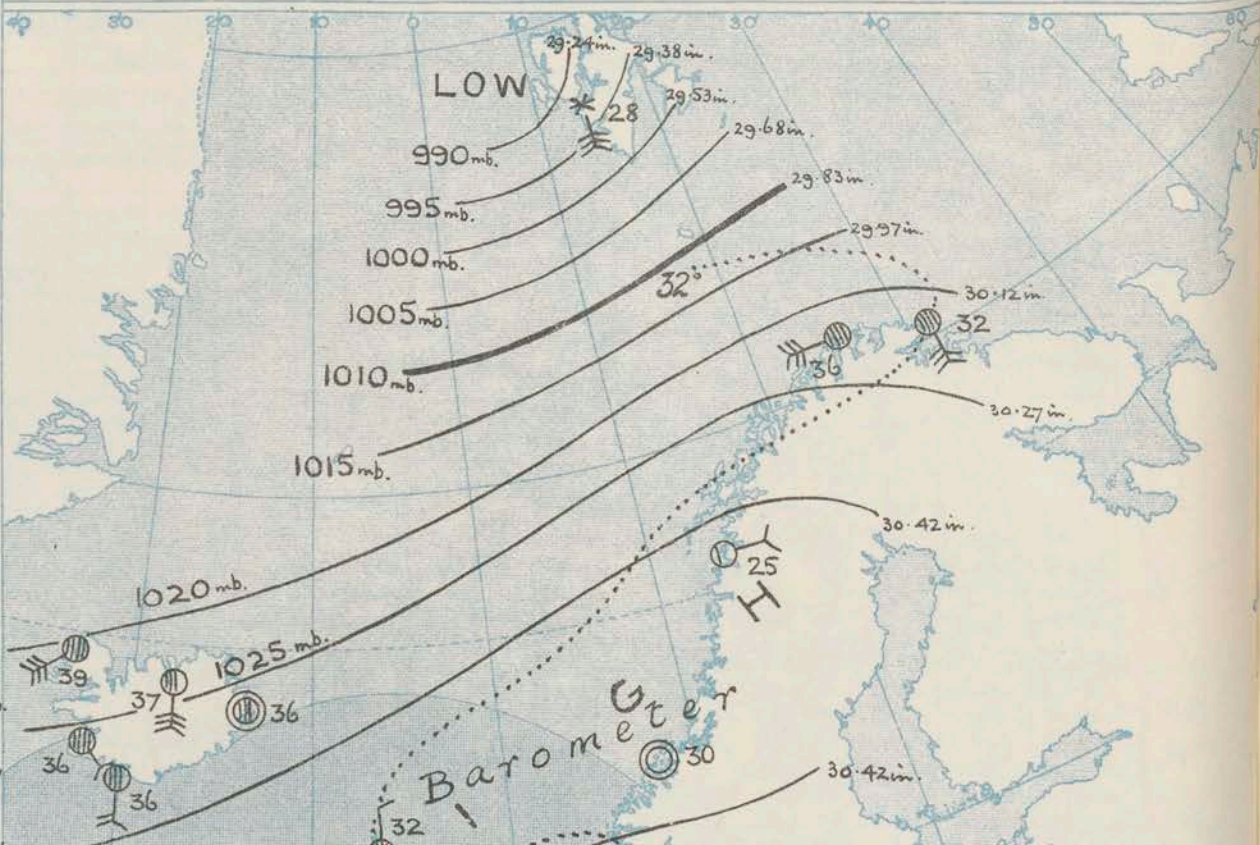
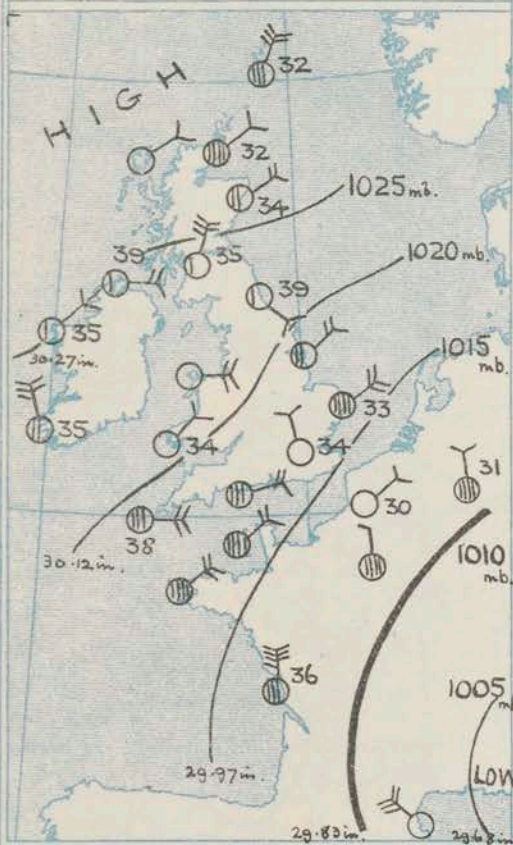
STATIONS.	EVENING OF... 27 th ...					MORNING OF... 28 th ...										MORNING OF... 28 th ...															
	BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	TEMP.		WIND.		Weather.	Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.									
			Dir.	Force 0-12.				Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.			Max.	Min.			Dry Bulb.	Change in 24 hours.	Dir.	Force 0-12.										
																								* F.	* F.	* F.	* F.				
RUSSIA.	Orlov ...	...	...	...	...	1035.1	*	14	-2	SSE	4	bc	*	...	...	Isafjord ...	1020.2	34	+13	W	3	bc			
	Kem ...	...	...	...	...	1033.2	*	23	0	SW	2	o	...	...	...	Reykjavik	1026.1	28	+6	E	5	c		
	Archangel ...	...	...	...	...	1038.0	*	10	-6	SE	3	o	...	...	...	Vestmanna	1026.7	32	+3	E	4	bc		
	Mesen ...	...	...	...	...								...	...	...	Seydisfjord	1026.6	21	-4	-	0	b	
SWEDEN.	Haparanda ...	1024.3	27	E	2	o	1028.3	*	18		S	4	o	*	...	...	Thorshavn	1020.4	32	-2	N	6	o						
	Hernösand ...	1020.3	25	NE	2	s	1028.7	*	14		-	3	c	*	...	...	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM												
	Stockholm ...	1020.7	28	SSW	2	a	1023.4	*	30		ESE	4	s	*	...	...													
	Wisby ...	1020.7	28	E	2	o	1021.0	*	27		E	2	o	*	...	...	29 th and 30 th Jan 1919.												
	Sordovala ...						1035.0	*	16		S	2	o	*	...	...	G.M.T.	G.M.T.	G.M.T.										
	Hangö ...					1027.8	*	23		SSE	4	o	*	...	...	Yarmouth ...	...	7.42	12.6	4.30								
ITALY.	Venice ...	1000.7	37	ENE	3	o	1003.0	*	37	+1	ENE	2	o	13	4.1	36	Greenwich	7.41	12.6	4.32										
	Turin ...	1002.2	36	S	3	b	1002.0	*	32		-	0	o	-	4.3	30		...	7.46	12.13	4.41										
	Pesaro ...	1001.5	37	W	2	o	1002.3	*	36	-1	-	0	o	S	39	32	...	7.44	12.13	4.43											
	Leghorn ...							*									Wick	8.28	12.25	4.22										
	Rome ...	1002.5	39	N	1	o	999.7	*	43	-8	E	1	o	4	5.1	39	Valencia	8.26	12.25	4.25										
	Viesti ...	1001.8	48	SE	2	o	1001.4	*	46		N	1	b	-	?	?	...	8.27	12.54	5.20											
	Brindisi ...	1003.7	50	S	2	b	1002.7	*	46		SE	2	b	-	54	46	...	8.27	12.54	5.21											
	Cagliari ...	1003.7	46	W	5	?	1005.0	*	45	-3	?	6	?	54	57	37															
	Palermo ...	1004.7	48	-	0	o	1004.5	*	36	-12	WSW	4	o	S	54	36															
	Tripoli ...						*																								

LONDON	Humidity.		Sun-shine for 24 hours.	TEMPERATURE.			Rain-fall.	WEATHER.		
	28 th	29 th		Max.	Min.	Min. on Grass.		Morning.	Afternoon.	Night.
	%	%		°F.	°F.	°F.				
29 th January 9h G.M.T.										
GREENWICH (Royal Observatory)	82	91	0.0	36	32	26	-	o	o	a.c.o.
CITY (Banhill Row)	...	...	0.0	...	...	...	...	...	...	...
WESTMINSTER (St. James's Park)	85	90	0.0	38	33	28	-	...	...	...
(Roof near Charing Cross)	86	91	0.0	38	33	...	-	cm	cm	max. cm
CAMDEN SQ. (British Rainfall)	91	94	0.0	38	31	24	-	o	o	...
KENSINGTON PALACE	...	91	...	37	31	26	-	o	o	...
RICHMOND PARK	...	...	0.0	...	...	...	...	...	...	...

SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 28 th		
Total.	Average Rate.	Max. Rate.
183	5.7	14

29th JAN, at 1h. G.M.T.

THE MORNING OF WEDNESDAY, 29th JANUARY 1919 at 7h. G.M.T.



EXPLANATION.

BAROMETER.—Isobars are drawn for intervals of five millibars.

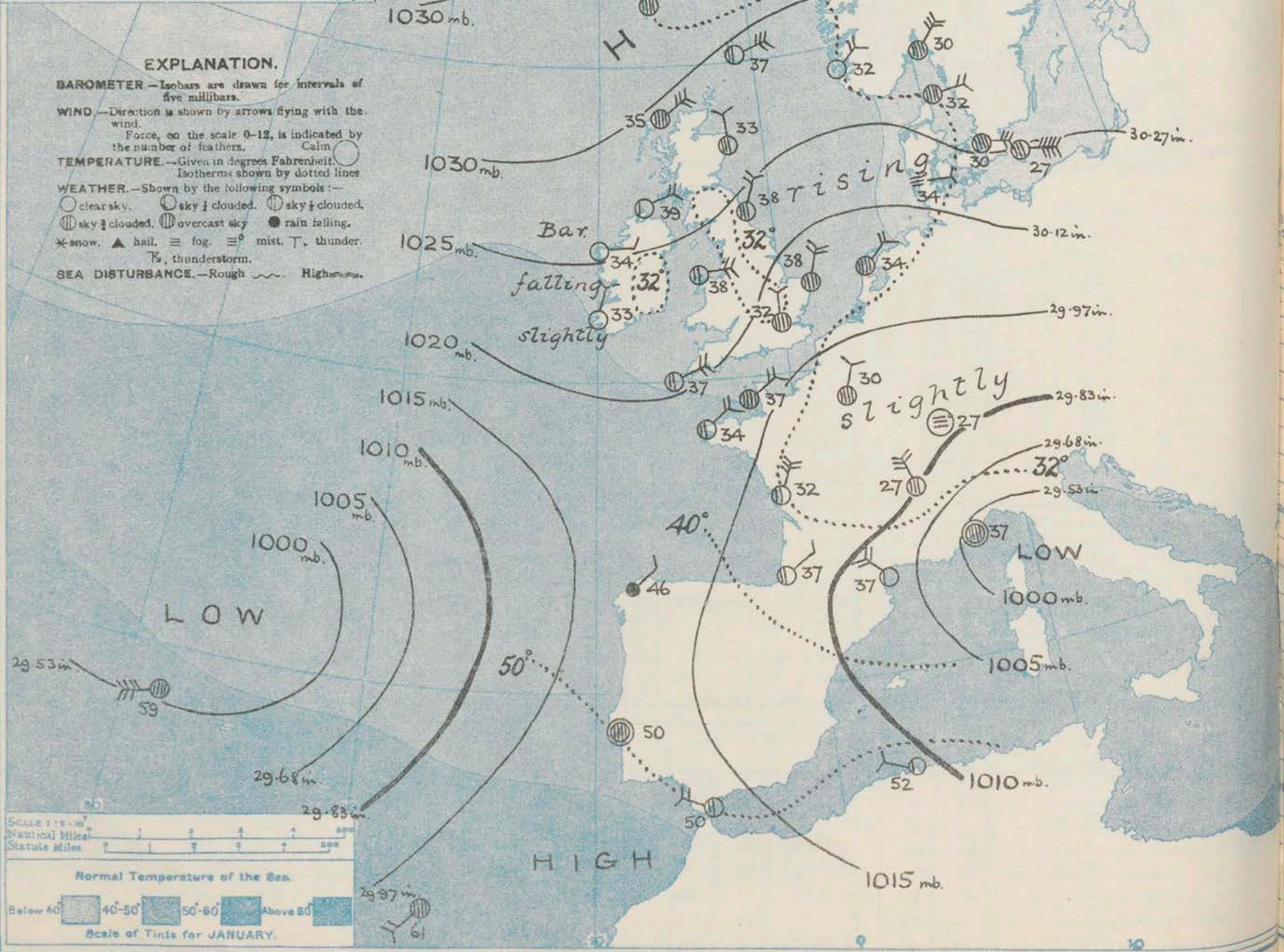
WIND.—Direction is shown by arrows flying with the wind. Force, on the scale 0-12, is indicated by the number of feathers. Calm.

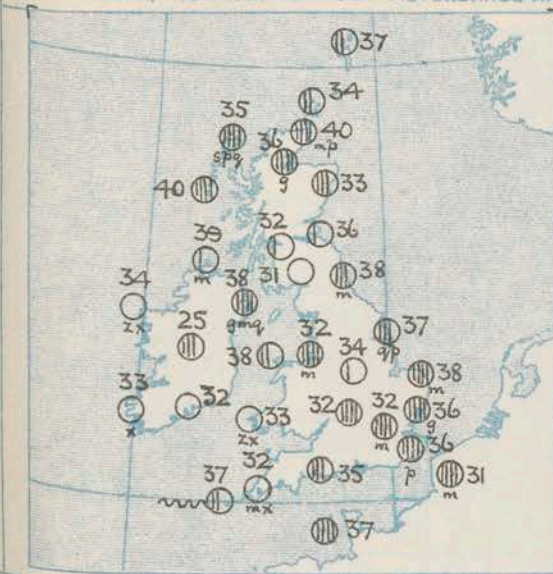
TEMPERATURE.—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

WEATHER.—Shown by the following symbols:—

○ clear sky. ○ sky & cloudy. ○ sky & cloudy. ○ sky & cloudy. ○ overcast sky. ● rain falling. * snow. ▲ hail. ≡ fog. ≡ mist. T. thunder. T. thunderstorm.

SEA DISTURBANCE.—Rough. High.





NOTES.

Notes on the Weather of the 24 hours ended 7h. Today

Temperature continued low in most regions. In many parts of England the maxima were below 40° , and in some below 35° ; frost occurred at night. Showers of hail, sleet or snow were experienced in nearly all places. As a rule the quantity was slight or very moderate, the greatest being 6 or 7 mm. at some Scottish stations. The day was bright in most parts of Ireland, the Hebrides, and the extreme south-west of England, but dull elsewhere; at Birr Castle and in central and south-eastern England there was no sunshine.

The Conditions at 7h. Today

Pressure is highest in an anticyclonic zone having its maximum readings to the northward and north-eastward of Scotland, and lowest in a depression centred to the westward of Spitzbergen. Another depression lies to the northward of the Azores, and a third over the Gulf of Genoa. The North-Easterly wind which continues over the British Isles has little force generally, but blows a moderate or fresh breeze on some exposed parts of the coast. Temperature is as low as 25° in central Ireland, and about 32° over a large area in Britain; at Wick and Castlebay, however, the reading is 40° - the highest in the British Isles. Cloudy or overcast weather is general except in some parts of Ireland, Wales and the south-west of England; snow or rain showers are falling in the far north of Scotland and at Spurn Head.

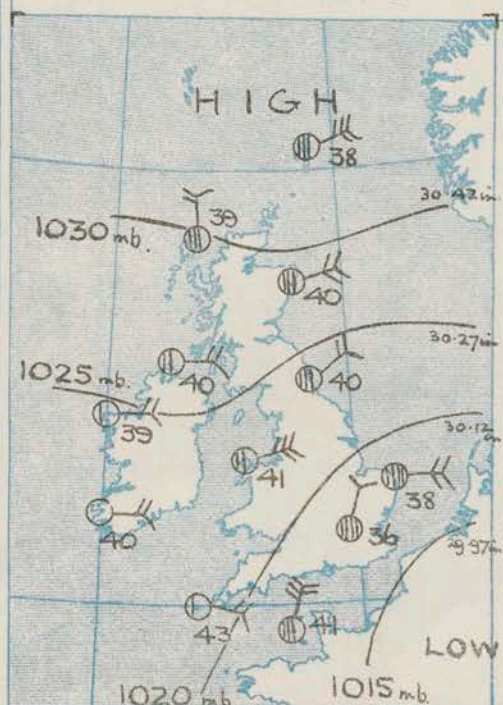
The Outlook

It is probable that the high pressure will move or extend in a South-Easterly direction, and the wind direction over the United Kingdom is, therefore, likely to continue to come from some Easterly point. It is anticipated that the Azores depression will move eastwards to the Peninsula.

H.A.

WEDNESDAY, 29th

JANUARY, 1919, at 13h. (1p.m.) G.M.T.



No important change has occurred since 7h. In most places the barometer has risen slightly.

STATIONS.		EVENING OF... 28th.					MORNING OF... 29th.										24 HOURS ENDED 7 h... 29th.						Sun- shine for 28th
		Barom. Milli- bars at M.S.L.	Temp.	WIND.		Weather.	Barometer. Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb. °F.	Change in 24 hours.	WIND.		Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
				Direc.	Force 0-12						Direc.	Force 0-12.					Max.	Min.	Morning	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick ...	1026.6	36	NW	3	c	1024.7	+2	37	ENE	5	-	bc	3	2	38	32	c	c	bc	Hours.		
	Houston B. (Orkney) ...	1025.6	35	E	2	rf	1029.3	*	34	ENE	5	*	bc	3	*	38	34	bc.c	c, of us	rh	*		
	Stornoway ...	1024.4	35	NE	3	bc	1024.4	+1	35	NE	5	-	of us	4	4	40	29	b, bc	bc	c, of us	4.3		
	Castletown (Barrisd.) ...	1028.8	36	NE	3	c	1028.8	+1	40	NE	3	-	o	3	-	43	32	b, o	b, o	c, of us	6.4		
	Glasgow ...	1021.7	36	NE	3	c	1026.6	+2	32	NE	2	NE	b	*	0.1	37	26	c, bc	c, o, c, o	c, b, bc	2.9		
	Eskaudemuir ...	1020.5	34	NNE	3	o	1025.1	+1	31	NE	4	-	b	*	4	34	30	o, of us	o, of us	o, of us	0.3		
	Malin Head ...	1021.4	39	NE	4	bc	1025.6	+1	39	ENE	3	-	bm	3	1	40	38	bc	bc	bc	5.2		
	Blacksod Point ...	1022.2	39	NE	4	bc	1025.2	-1	34	E	1	-	bc	3	0.2	43	32	bc	bc	bc	6.2		
	Valencia (Chilwell) ...	1021.2	41	NNE	1	b	1022.7	-1	33	NNE	2	-	bc	*	0.3	44	32	bc	bc	bc	6.2		
	Poche's Point ...	1019.1	39	NW	3	b	1022.6	0	32	N	1	-	b	1	0.1	43	32	b	b	bc	*		
	Birr Castle ...	1019.3	37	N	1	c	1024.5	*	25	NNW	1	-	c	*	-	40	25	bc	bc.c	c, of us	0.0		
	Donaghadee ...	1010.8	40	NE	4	bc	1023.7	+1	38	ENE	5	-	o, of us	4	-	40	37	bc	bc	bc	*		
	Liverpool (Bldson) ...	1018.2	34	NNE	1	m	1022.1	0	32	N	1	-	o	1	-	36	31	os. bc	bc	bc	1.2		
	Holyhead ...	1018.1	39	ENE	4	b	1021.8	+1	38	E	4	-	bc	3	Trace	42	38	cg	c, bc, b	bc, bc	0.9		
	Pembroke (St. Ann's) ...	1016.8	37	NE	3	b	1021.9	0	33	NNE	1	-	bc	2	1	42	32	cg	bc	bc	4.0		
	Hartland Quay ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*		
	Scilly (St. Mary's) ...	1016.3	40	NE	4	c	1020.2	+1	37	ENE	4	E	bc	5	1	46	35	ch	bc	ch, bc	5.7		
	Falmouth ...	1015.5	35	N	3	b	1020.2	+1	32	NNE	2	-	bm	*	1	43	30	bc	bc	bc	5.6		
	Jersey (St. Aubin) ...	1012.8	38	NE	3	odm	1017.0	0	37	NE	3	-	o	3	4	42	33	ch, bc	bc, bc	bc, bc	4.1		
	Portland Bill ...	1013.0	36	NNE	4	cm	1018.2	+1	35	NE	4	-	c	3	-	39	35	bc	bc	c	*		
	Dungeness ...	1012.9	37	E	4	c	1015.3	0	36	N	4	-	of	4	1	41	35	c	c	c, of us	*		
NORTHERN EUROPE.	Wick ...	1024.3	40	E	3	bc	1028.1	+1	40	E	4	-	om	4	5	41	32	om	om	om	*		
	Nairn ...	1023.6	32	-	0	c	1027.2	*	36	NNW	1	-	og	1	6	36	24	bc	bc	bc	0.1		
	Aberdeen ...	1022.5	38	NE	5	b	1027.2	+1	33	NNW	2	-	c	2	1	39	32	ch	bc	bc	1.3		
	Leith ...	1020.6	38	NE	4	c	1025.6	+1	36	NE	4	-	b	4	7	39	31	sr, s, o	acg, ac	crs, c, b	*		
	Tynemouth ...	1018.1	35	NE	2	bc	1022.4	*	38	NNE	3	-	cm	3	2	42	32	ch	bc	bc	*		
	Spurn Head ...	1016.6	38	ESE	2	c	1019.7	0	37	NE	4	-	cg	4	2	41	34	ch	bc	bc	1.0		
	Yarmouth (Gorleston) ...	1014.5	37	NNE	3	bc	1016.5	0	38	NNE	4	-	om	3	0.2	40	32	bc	bc	bc	*		
	Clacton-on-Sea ...	1014.7	36	NNW	3	ogm	1016.8	+1	36	NNW	3	-	og	2	-	38	34	c, o	ogm	ogm	0.0		
	Nottingham ...	1017.1	36	NE	2	o	1020.4	*	34	N	3	N	b	*	0.2	37	32	o, cm	o, cm	o, cm	0.0		
	Benson (Oxon.) ...	1015.5	33	NNE	1	o	1019.0	+1	32	NNE	2	-	o	*	1	34	29	o	o	o	*		
	St. Farnborough ...	-	-	E	2	om	1018.7	0	31	N	2	-	oma	*	3	35	26	s, om	ogm	om	0.0		
	Salisbury Plain ...	1015.8	33	NE	4	om	1019.4	0	33	N	3	-	om	*	0.2	33	28	oxam	om	om	*		
	London (Kew Obs.) ...	1015.5	36	N	1	o	1018.2	0	32	N	2	-	om	*	1	37	32	o, om	om	om	0.0		
FRANCE, &c.	Spitsbergen ...	1009.3	28	E	4	o	991.5	-10	28	S	6	*	s	*	*	30	19	-	-	-	-		
	Vardö ...	1021.7	23	S	5	o	1022.4	0	32	S	5	-	o	3	*	32	23	-	-	-	-		
	Gjesvæ ...	1014.4	28	S	4	bc	1023.1	*	36	W	6	-	o	4	*	36	25	-	-	-	-		
	Bodö ...	1028.2	25	E	2	b	1032.7	+1	25	E	2	-	b	2	-	30	21	-	-	-	-		
	Christiansund ...	1026.3	36	NNW	3	o	1033.5	+2	30	-	0	-	b	3	-	37	30	-	-	-	-		
	Skudesnaes ...	1023.4	32	ENE	4	bc	1028.6	+3	32	NE	3	-	b	2	-	34	30	-	-	-	-		
	Færder (Xiania Fjord) ...	1024.6	30	NNE	6	s	1031.8	+3	30	NE	5	-	o	2	?	30	28	-	-	-	-		
	The Scaw (Skagen) ...	1020.4	32	ENE	4	o	1027.4	+4	32	E	3	-	o	3	3	34	32	-	-	-	-		
	Blaavands Huk ...	1021.6	32	E	1	m	1022.3	+3	34	E	2	-	m	*	3	34	27	-	-	-	-		
	Copenhagen ...	1018.3	34	ESE	3	o	1025.5	+4	30	ESE	6	-	o	1	1	34	28	-	-	-	-		
	Bornholm ...	1017.2	32	SE	6	m	1024.8	+5	27	ESE	9	-	c	2	-	32	25	-	-	-	-		
	The Helder ...	1014.3	36	NE	3	o	1017.1	+2	34	NE	3	-	o	1	-	36	32	-	-	-	-		
FRANCE, &c.	C. Gris Nez ...	1013.9	34	E	2	o	1015.3	+1	36	ENE	3	-	o	*	?	37	27	-	-	-	-		
	La Hève ...	1013.5	36	ENE	3	o	1016.6	0	34	E	2	-	o	*	1	36	32	-	-	-	-		
	Brest (St. Mathieu) ...	1014.9	43	NNW	4	c	1018.4	+1	34	NE	3	-	bc	*	1	48	34	-	-	-	-		
	Rocheport (le d'Aix) ...	1010.0	43	NNW	7	c	1013.5	0	32	NNE	5	-	bc	*	-	45	32	-	-	-	-		
	Biarritz ...	1013.0	45	NNW	6	y	1013.0	-1	37	NE	1	-	bc	*	5	50	37	-	-	-	-		
	Paris ...	1010.1	32	NE	3	o	1014.9	+1	30	NNE	2	-	o	*	-	34	27	-	-	-	-		
	Belfort ...	1011.7	27	-	0	m	1011.7	*	27	-	0	-	m	*	-	34	23	-	-	-	-		
FRANCE, &c.	Lyons ...	1009.2	30	NNW	1	c	1010.0	-0	27	NNW	5	-	c	*	-	37	25	-	-	-	-		
	Nice ...	1012.8	41	-	0	c	997.9	+1	37	-	0	-	o	*	-	43	36	-	-	-	-		
	Perpignan ...	1008.8	37	NW	4	o	1008.4	+1	37	NW	4	-	b	*	1	45	36	-	-	-	-		
	Sanguinaire ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Corunna ...	1019.8	48	NNW	2	o	1018.9	-2	46	NE	1	-	r	4	11	50	46	-	-	-	-		
	Madrid ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Lisbon ...	1020.4	52	NNW	3	o	1016.3	-3	50	-	0	-	o	5	-	55	48	-	-	-	-		
IBERIA, &c.	Azores (Horta) ...	1005.1	*	WSW	6	c	999.7	+4	59	WSW	7	-	o	5	3	63	59	-	-	-	-		
	" (P. Delgada) ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Madeira ...	1021.1	61	SE	3	o	1016.6	-1	61	SW	3	NW	o	3	-	63	59	-	-	-	-		
	Gibraltar ...	1018.9	54	NNW	3	b	1016.9	*	50	NNW	3	-	bc	1	-	57	47	-	-	-	-		
	Algiers ...	1013.1	52	NW	2	b	1011.7	0	52	NNW	2	NW	b	2	-	57	50	-	-	-	-		
	Malta ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Salonica ...	1004.4	45	-	0	o	1002.1	*	45	ESE	3	SE	o	*	8	50	38	-	-	-	-		
MEDITERRANEAN.	Athens ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-								

THE BEAUFORT SCALE OF WIND FORCE.

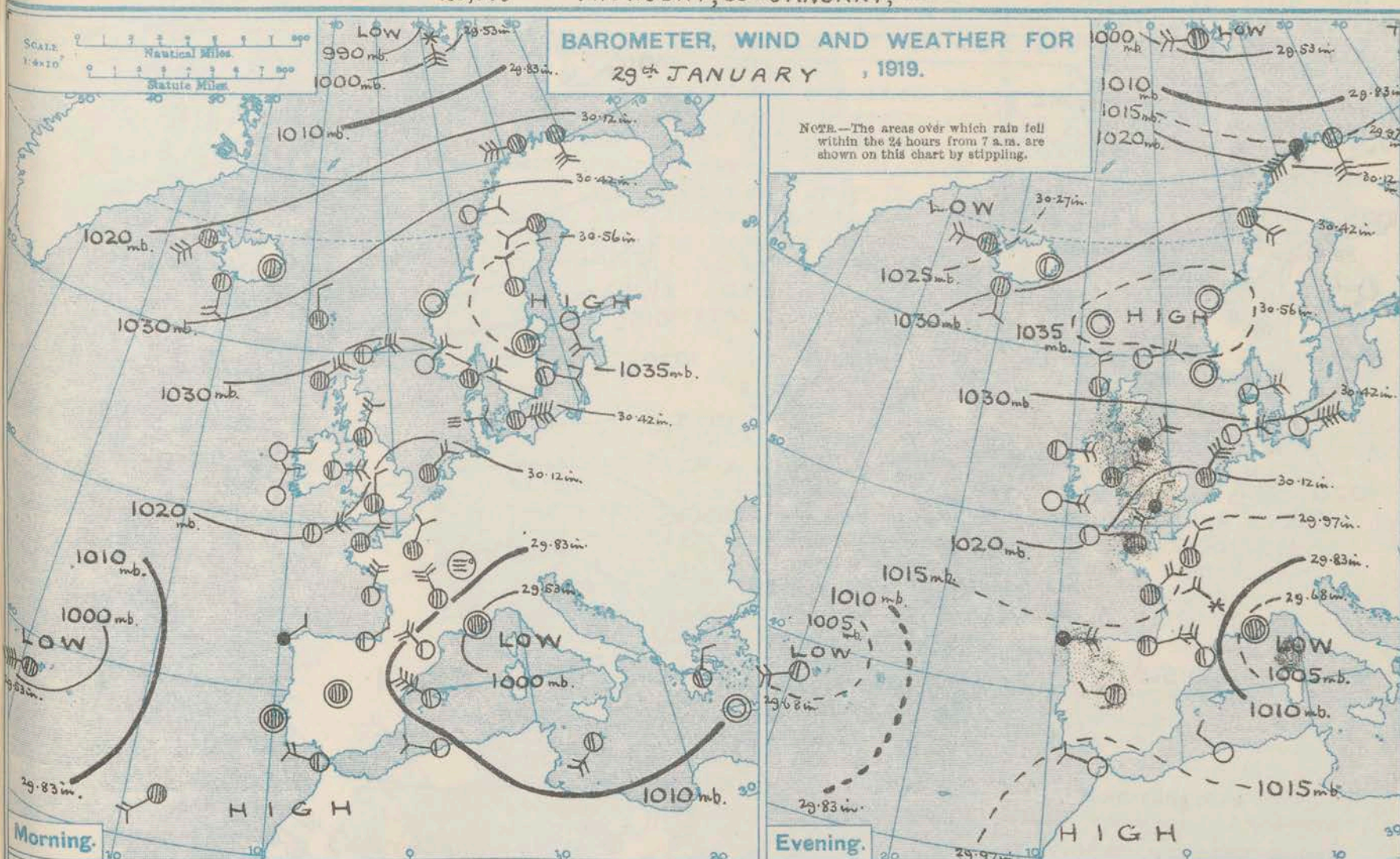
No.	Statute miles per hour.	Metres per second.
0	Less than 1	Less than 0.3
1	1-3	0.3-1.5
2	4-7	1.6-3.3
3	8-12	3.4-5.4
4	13-18	5.5-7.9
5	19-24	8.0-10.7
6	25-31	10.8-13.8
7	32-38	13.9-17.1
8	39-46	17.2-20.7
9	47-54	20.8-24.4
10	55-63	24.5-28.4
11	64-75	28.5-33.5

METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

No. 20,888

THURSDAY, 30th JANUARY, 1919.

BAROMETER, WIND AND WEATHER FOR 29th JANUARY, 1919.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 29th JANUARY.

STATIONS.	EVENING OF 28 TH					MORNING OF 29 TH										MORNING OF 29 TH						
	BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		Weather.	
			Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Dirac.		Force 0-12.
		° F.						° F.	° F.					° F.	° F.		° F.	° F.				
Orlov ...	x	x	x	x	x	1031.4		19	+5	-	0	0		x	x	Isafjord ...	1020.7	39	+5	SW	6	0
Kem ...	x	x	x	x	x	1035.9		16	-7	SW	1	0		x	x	Reykjavik	1028.0	36	+8	ESE	2	0
Archangel	x	x	x	x	x	1037.9		14	+4	SSW	3	0		x	x	Vestmanna	1029.0	36	+4	S	3	C
Mesen...	x	x	x	x	x									x	x	Seydisfjord	1026.6	36	+15	-	0	C
Haparanda ...	1031.3	21	SSE	2	C	1033.6	x	19	+1	WSW	2	0	x	x	x	Thorshavn	1033.3	32	0	N	1	0
Hernösand ...	1031.7	19	N	2	0	1036.6	x	21	+7	N	2	C	x	x	x	TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM						
Stockholm ...	1027.0	30	ESE	2	S	1036.1	x	30	0	-	0	0	x	x	x	30 TH AND 31 ST JAN. 1919.		Sunrise.	Noon.	Sunset.		
Wisby ...	1025.0	30	ESE	2	0	1033.5	x	28	+1	SE	2	b	x	x	x			G.M.T.	G.M.T.	G.M.T.		
Sordoval ...																Yarmouth ...	7.41	12.6	4.32			
Hangö ...						1037.9	x	21	-2	S	3	b	x	x	x		7.40	12.7	4.34			
Venice ...							x										7.44	12.13	4.43			
Turin ...							x										7.43	12.14	4.45			
Pesaro ...							x										8.26	12.25	4.25			
Leghorn ...							x										8.24	12.26	4.28			
Rome ...							x										8.27	12.54	5.22			
Viesti ...							x										8.25	12.55	5.22			
Brindisi ...							x															
Cagliari ...							x															
Palermo ...							x															
Tripoli ...							x															

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

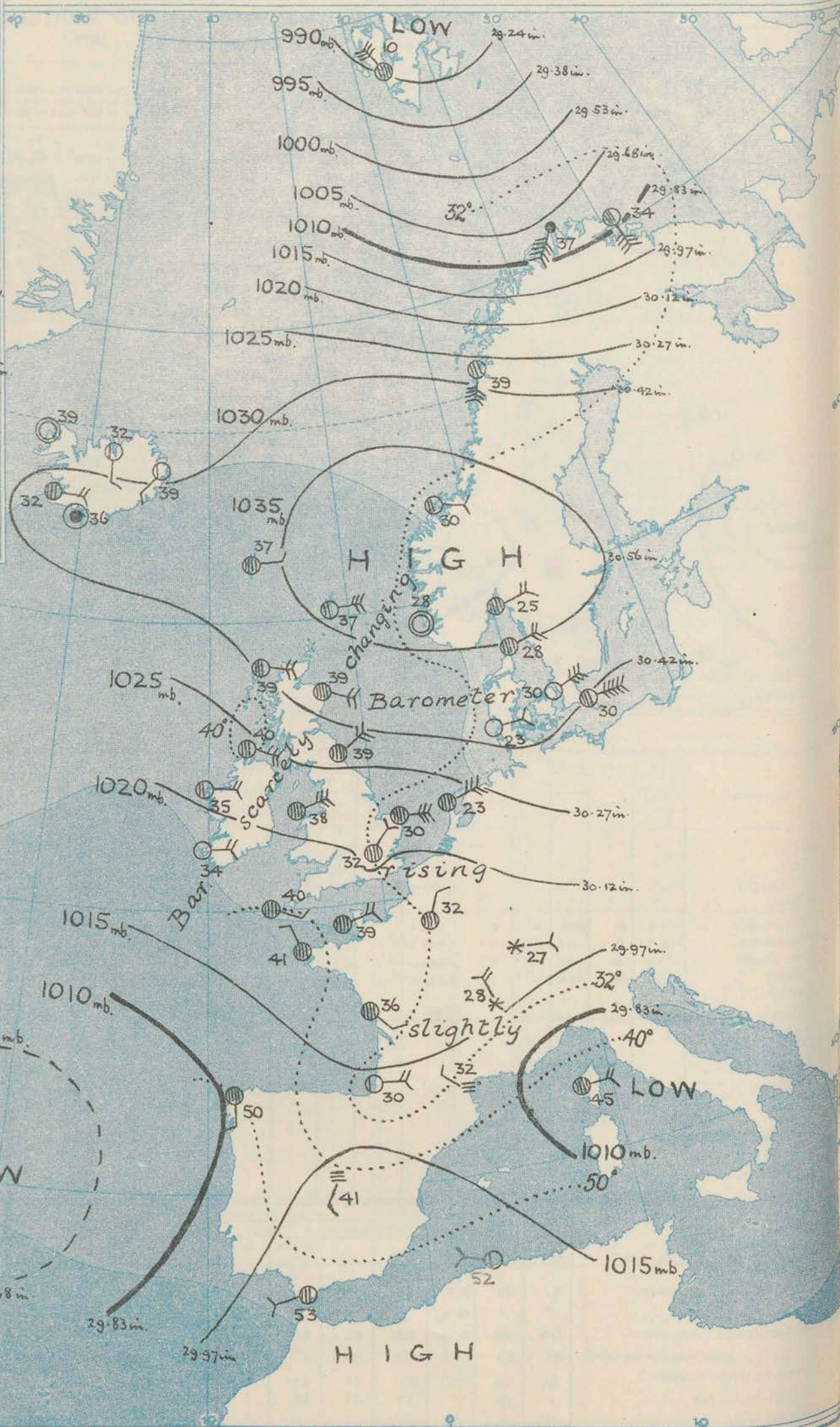
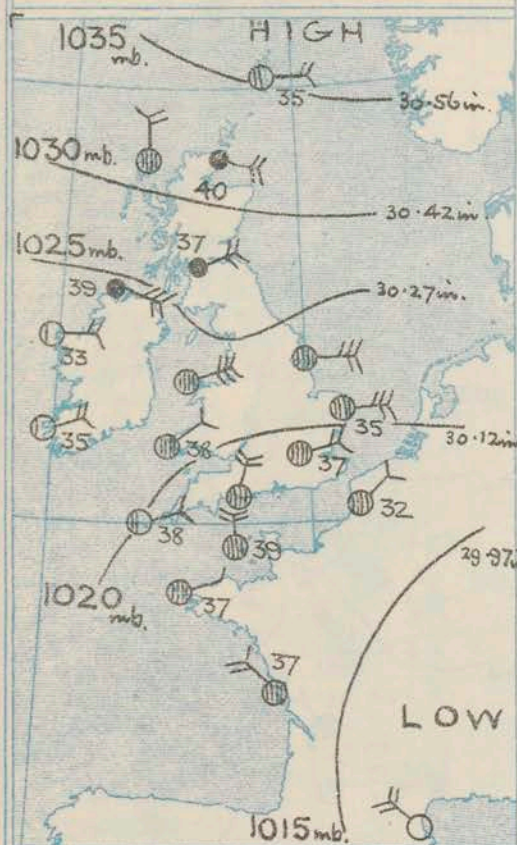
30 th AND 31 st JAN. 1919.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth	...	7.41	12.6	4.32
Greenwich	...	7.40	12.7	4.34
Wick	...	7.44	12.13	4.43
Valencia	...	7.43	12.14	4.45
	...	8.26	12.25	4.25
	...	8.24	12.26	4.28
	...	8.27	12.54	5.22
	...	8.26	12.55	5.24

LONDON		Humidity.		Sun-shine for 24 h.	TEMPERATURE.				Rain-fall.	WEATHER.		
30 th JANUARY 9h. G.M.T.		7.5 h.	9 h.		Max.	Min.	Min. on Grass.			Morning.	Afternoon.	Night.
GREENWICH (Royal Observatory)	...	91	82	0.0	36	31	30		1	0	0.0t.	0t.
CITY (Bunhill Row)	...	x	x	0.0	x	x	x		x	x	x	x
WESTMINSTER (St. James's Park)	...	94	84	0.0	38	32	30		1	x	x	x
(Roof near Charing Cross)	...	91	83	0.0	38	32	x		1	cm	om. od.	od. om.
CAMDEN SQ. (British Rainfall)	...	91	82	0.0	37	31	27		1	c.0.	0.	x
KENSINGTON PALACE	...	x	79	x	37	31	30		1	0.	0.0t.	x
RICHMOND PARK	...	x	x	x	x	x	x		x	x	x	x

SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 29 th ...		
Total.	Average Rate.	Max. Rate.
143	4.5	11

30th JAN, at 1h. G.M.T.

THE MORNING OF THURSDAY, 30th JANUARY 1919 at 7h. G.M.T.



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.

TEMPERATURE.—Given in degrees Fahrenheit.

Isotherms shown by dotted lines.

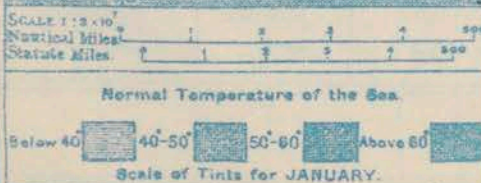
WEATHER.—Shows by the following symbols:—

○ clear sky. ○ sky & cloudy. ○ sky & cloudy.

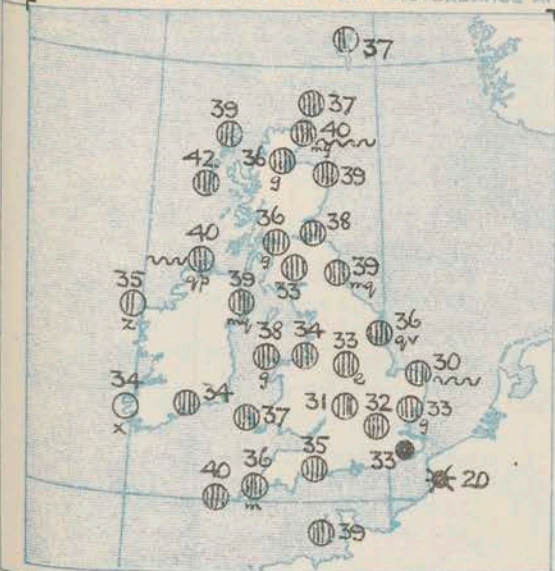
○ sky & cloudy. ○ overcast sky. ○ rain falling.

* snow. ▲ hail. ≡ fog. ≡ mist. T, thunder.

SEA DISTURBANCE.—Rough ~~~~~ High ~~~~~



TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



NOTES.

Notes on the Weather of the 24 hours ended 7h. Today

Temperature remained below 40° in most parts of the Kingdom, the highest maximum reading being 44° at Seilly, and the lowest 35° at Benson. Frost occurred at night, but was not severe, no station reporting a lower minimum than 30° . Showers of rain or sleet were experienced in most localities, but the measurements were slight. Bright sunshine was very prevalent in the south-west, west and north-west: at Seilly the record was 8 hours, and at Pembroke 7 $\frac{1}{2}$ hours. In the eastern districts the day was cloudy or overcast.

The Conditions at 7h. Today

Pressure is highest in an anticyclone centred over Southern Norway, and lowest in a depression near Spitzbergen. It is also relatively low over the Gulf of Genoa and between Portugal and the Azores. The changes in progress over the British Isles and their vicinity are very slight. Over this country there is a moderate to slight gradient for Easterly winds, and a light to moderate or fresh breeze from between NE. and SE. is reported. Further to the southward, over France - pressure is very uniform, and the wind in consequence is light and variable. Temperature has fallen very decidedly in Holland and the NE. of France, and the change has already affected Norfolk; the lowest reading in the United Kingdom at 7h. being 30° at Great Yarmouth. The sky is overcast except on the west coast of Ireland. The atmosphere is misty locally, and rain is falling at Dungeness.

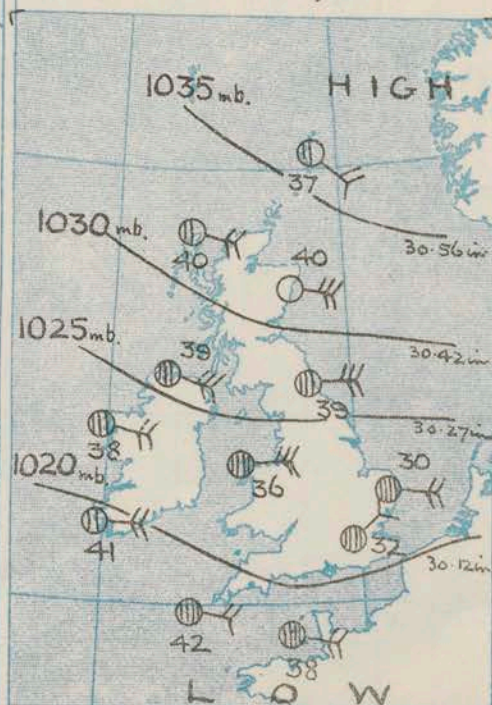
The Outlook

Little change in the general situation is probable at present, but the anticyclonic centre is likely to continue to move slowly eastward or south-eastward. The prolongation of the easterly current over these Islands will be accompanied by an appreciable fall of temperature.

H.J.H.

THURSDAY, 30th

JANUARY, 1919, at 13h. (1p.m.) G.M.T.



Pressure has increased slowly since 7h., but the general conditions continue unaltered.

STATIONS.		EVENING OF 29 TH					MORNING OF 30 TH										24 HOURS ENDED 7 h. 30 TH					Sun- shine for 29 TH Hours.
		Barom. Milli- bars at M.S.L.	TEMP.	WIND.		Weather.	Barometer. Change in 3 hours.	TEMP. Dry Bulb.	Change in 24 hours.	WIND.		Dir. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.				
				Dir.	Force 0-12.					Dir.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.		
BRITISH ISLANDS.	Lerwick	1033.8	36	ENE	3	b	1035.4	0	37	E	5	-	bc	3	-	40	35	c	bc	bc		
	Houton B. (Orkney)	1032.7	33	E	5	d	1033.6	0	37	ESE	6	*	o	3	*	37	34	bc.c	c.o	o		
	Stornoway	1030.7	37	N	3	c	1030.5	+1	39	E	4	-	cq	3	-	40	34	o.c	c	bc.cq	1.2	
	Castlebay (Barra Isd.)	1028.6	39	E	4	b	1027.9	0	42	SE	4	-	o	4	-	42	38	o.c.b	b	bc.o	5.0	
	Glasgow	1026.7	36	NE	3	od	1027.4	0	36	ENE	4	-	og	*	1	37	30	bc, bc.c	bc.c.od	od.og	5.4	
	Eskdalemuir	1025.2	34	NNE	4	or	1027.1	+1	33	NE	3	-	o	*	1	36	30	bc.aspd	ops.o.or	or.cdo	3.0	
	Malin Head	1026.6	39	E	4	bc	1021.8	-3	40	ESE	5	SE	cq.p	5	0.4	41	38	bc	bc	cq.p	4.1	
	Blacksod Point	1024.1	35	E	4	bcm	1021.1	0	35	E	3	E	bcz	3	-	38	32	bc	bcm	bcz.bcz	*	
	Valencia (Cahirleeven)	1021.4	36	E	4	b	1019.1	-1	34	E	3	-	bc	*	-	41	31	b	bcz	b.bcz	7.2	
	Roche's Point	1022.4	36	ENE	2	b	1019.7	-1	34	N	1	-	o	1	0.1	40	31	b	b	bc.o		
	Birr Castle																					
	Donaghadee	1024.3	39	ENE	4	cmq	1023.4	+1	39	E	5	-	omq	4	1	41	37	omq.b	bm	om.p.om	4.5	
	Liverpool (Bidston)	1021.5	37	NNE	2	o	1022.1	+1	34	ENE	2	-	o	2	1	39	32	b	bcm	op		
	Holyhead	1021.9	41	ENE	4	og	1021.2	+1	38	ENE	5	-	og	4	0.1	42	36	bc.c.bc	bc.c.o	oprs.o	3.8	
	Pembroke (St. Ann's)	1021.5	36	NNE	2	b	1019.8	+1	37	ENE	3	-	o	2	-	39	36	bc	bc	bc.o	7.5	
Hartland Quay																						
NORTHERN EUROPE.	Scilly (St. Mary's)	1020.7	39	E	2	b	1018.0	-1	40	ESE	1	-	o	3	-	44	36	b	b	bc.co	8.1	
	Falmouth	1019.8	35	ENE	2	bm.x	1018.1	-1	36	N	1	-	om	*	Trace	43	30	bm	bm.bm	bc.o	7.2	
	Jersey (St. Aubin)	1016.7	41	NNE	3	o	1016.4	0	39	ENE	3	-	o	3	-	43	35	o.bc.c	c.o	o	2.6	
	Portland Bill	1017.9	37	NNE	3	og	1017.5	0	35	ENE	5	-	o	4	0.3	39	35	c.bc	og	o.c	*	
	Dungeness	1016.0	36	E	2	o	1018.3	+2	33	NE	4	-	r	4	4	39	32	or.c	c.or.o	omr.or	*	
	Wick	1031.5	40	SE	4	omq	1032.7	0	40	ESE	4	-	omq	5	1	41	37	omp	omq	opr.og	*	
	Nairn	1030.4	34	-	0	c	1030.9	*	36	E	1	-	og	1	1	36	33	o.pe	cm	cgo	0.7	
	Aberdeen	1029.7	40	ENE	5	op	1031.3	0	39	ESE	4	-	o	4	2	40	36	bc.chp	c.op	op	0.1	
	Leith	1026.1	39	NE	4	r	1027.4	0	38	E	3	-	o	3	3	41	35	bc.ugo	r	rqdo	*	
	Tynemouth	1023.1	40	NE	4	omqd	1025.2	*	39	NE	4	-	omq	4	3	41	37	cpq	ompq	omq	*	
	Spurn Head	1020.0	40	E	4	ogp	1022.0	0	36	E	5	-	ogv	4	1	40	33	cqp	cqp	ogv	0.0	
	Yarmouth (Gorleston)	1017.7	39	ENE	4	om	1020.8	+1	30	E	6	-	o	5	0.4	39	30	omp	omp	o	0.0	
	Clacton-on-Sea	1016.8	37	NNW	2	ogm	1020.0	+1	33	ENE	3	-	og	2	1	40	32	ogm	ogmd	ogm	0.0	
	Nottingham	1019.8	37	NE	2	od	1021.8	*	33	E	2	E	oe	*	1	38	32	c.om	opm	op	1.9	
	Benson (Oxon.)	1018.2	34	NNE	2	r	1020.0	+3	31	NE	4	-	o	*	1	35	31	osm	om	rso	*	
Sth Farnborough		-	N	3	or.sm	1020.4	+2	31	NNE	4	-	om	*	1	36	30	o.c.om	omr.sm	rsod.om	0.5		
Salisbury Plain	1019.0	35	N	2	od								*				ox.cm.o	orhm				
London (Kew Obsy.)	1017.8	35	NNE	1	omr	1020.7	+2	32	NE	2	-	o	*	1	37	32	om.cm.bm	omr.omr	omr.omr	0.1		
FRANCE, &c.	Spitsbergen	997.3	18	W	4	o	990.0	0	10	NW	6	*	o	*	*	123	10					
	Vardö	1018.0	27	S	6	c	1009.1	-5	34	S	7	-	c	5	*	134	19					
	Gjesvær	1015.0	37	SW	9	r	1005.9	*	37	SW	9	-	r	6	15	137	36					
	Bodö	1034.5	37	SE	4	o	1029.1	-2	39	SSW	7	-	c	4	-	129	21					
	Christiansund	1035.5	30	-	0	b	1038.3	0	30	E	2	-	bc	2	-	32	27					
	Skudesnaes	1034.7	32	-	0	b	1036.3	0	28	-	0	-	b	1	-	37	27					
	Færder (Xania Fjord)	?	30	ENE	4	o	1039.9	+0	25	ENE	3	-	o	1	-	32	25					
	The Scaw (Skagen)	1033.5	32	E	4	b	1034.6	0	28	ENE	4	-	o	4	-	34	26					
	Blaavands Huk	1028.0	30	E	3	b	1031.7	+2	23	E	2	-	b	*	-	34	21					
	Copenhagen	1030.5	32	E	7	b	1032.0	+0	30	ENE	6	-	b	*	-	34	28					
	Bornholm	1029.1	32	E	10	b	1029.5	+2	30	E	10	-	c	2	-	32	28					
	The Helder	1019.8	25	NE	6	o	1021.6	+2	23	ENE	5	-	o	3	-	34	23					
	C. Gris Nez	1015.7	34	S	1	r	1019.1	+4	28	ENE	4	*	o	*	-	36	28					
	La Hève	1015.8	36	ENE	3	o	1016.8	+1	32	ENE	2	*	o	*	?	37	32					
	Brest (St. Mathieu)	1018.9	37	NNE	2	c	1017.3	-1	41	E	2	*	o	*	Trace	46	37					
Roche fort (Ile d'Atx)	1015.7	36	NE	3	o	1016.4	0	36	SE	1	*	o	*	-	41	34						
Biarritz	1014.7	39	ENE	2	c	1014.9	-1	30	E	3	*	b	*	2	43	30						
IBERIA, &c.	Paris	1015.0	30	NNE	2	o	1017.1	+2	32	NNE	1	*	o	*	-	32	30					
	Belfort						1016.8	*	27	E	2	*	S	*	1	30	25					
	Lyons	1012.6	28	NW	3	S	1016.2	+1	28	NNW	3	*	S	*	Trace	30	28					
	Nice	1002.9	41	-	0	o				*	*	*	*	*	*							
	Perpignan	1016.4	37	NW	4	bc	1014.7	+2	37	NW	1	*	m	*	-	41	30					
	Sanguinaire						1005.9	-7	45	E	3	*	o	*	24	46	41					
	Corunna	1013.3	48	E	4	r	1010.1	+2	50	S	1	-	o	3	2	50	45					
	Madrid	1012.1	46	W	1	o	1015.3	+1	41	SW	1	-	f	*	4	48	39					
	Lisbon																					
	Azores (Horta)	1003.8	*	WSW	4	bc	1006.9	+3	54	NW	4	*	b	2	6	64	52					
	" (P. Delgada)		*																			
	Madeira																					
	Gibraltar	1016.9	51	WNW	2	b	1016.9	*	53	WSW	2	*	c	1	-	57	49					
	MEDITERRANEAN.	Algiers	1013.0	52	NW	1	b	1015.3	+2	52	WNW	2	NW	b	3	-	59	48				
		Malta		*	*	*	*															
Salonica							1016.8	+1	48	NW	1	W	o	2	2	61	45					
Athens							1018.7	+2	50	SW	1	-	b	1	-	66	46					
Candia							1019.8	+2	46	E	1	-	b	*	-	66	43					
Limassol			*	*	*	*																
Alexandria		1017.3	57	WNW	2	b	1018.7	+2	50	SW	1	-	b	1	-	66	46					
Cairo (Helwan)		1017.7	55	-	0	b	1019.8	+2	46	E	1	-	b	*	-	66	43					
THE BEAUFORT SCALE OF WIND FORCE.																						
Limits of Velocity.																						
No. Statute miles per hour. Metres per second.																						
0 Less than 1 Less than 0.3																						
1 1-8 0.3-1.5																						
2 4-7 1.6-8.8																						
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																						
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																						

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	1-8	0.3-1.5
2	4-7	1.6-8.3
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	24.5-28.1
11	64-75	28.5-33.5
12	Above 75	33.6 or above

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.

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.

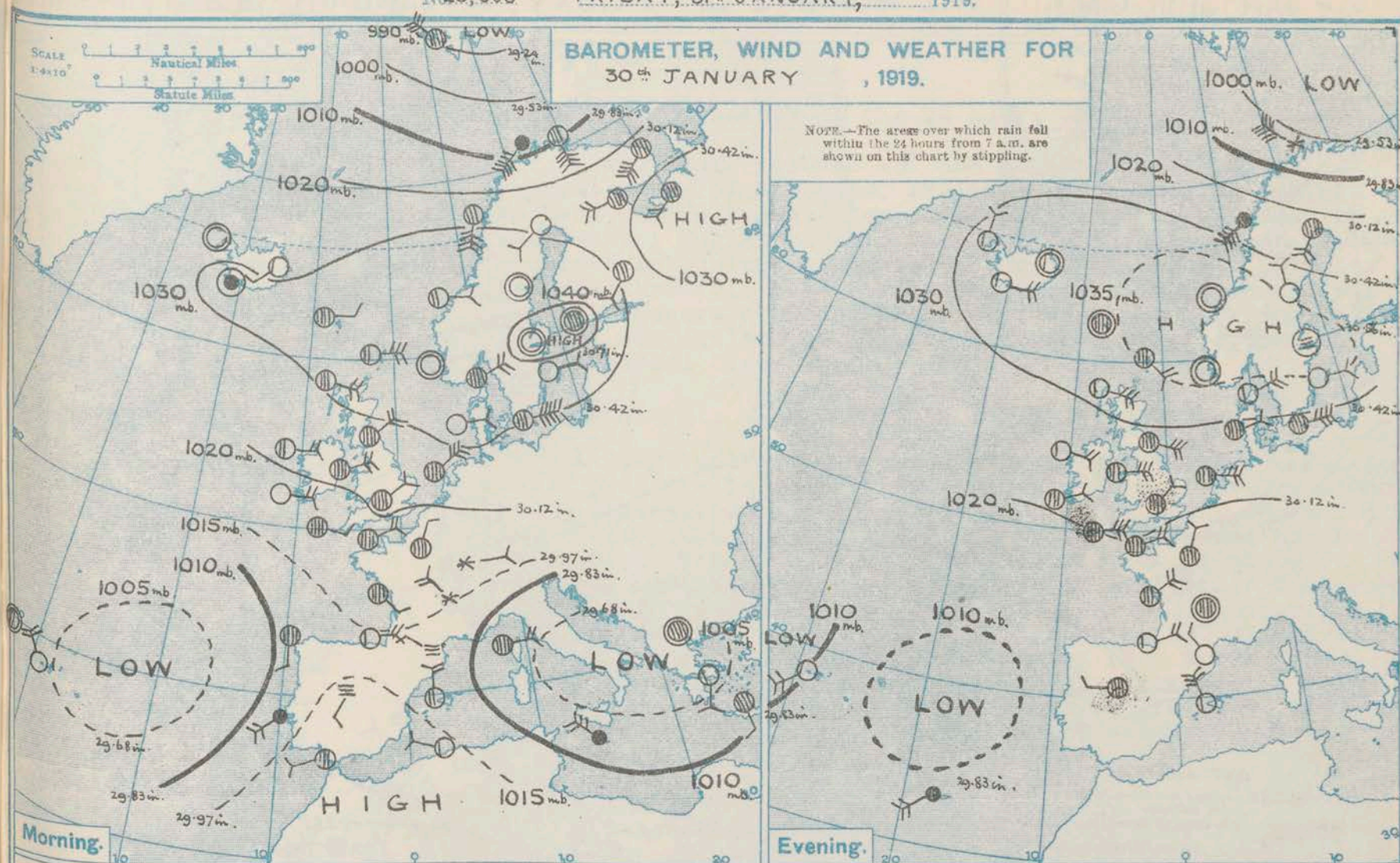
METEOROLOGICAL OFFICE, LONDON: DAILY WEATHER REPORT.

N20,889

FRIDAY, 31st JANUARY, 1919.

BAROMETER, WIND AND WEATHER FOR 30th JANUARY, 1919.

NOTE.—The areas over which rain fell within the 24 hours from 7 a.m. are shown on this chart by stippling.



WEATHER TELEGRAMS FROM FOREIGN STATIONS OF 30th JANUARY

STATIONS.		EVENING OF 29 TH					MORNING OF 30 TH										MORNING OF 30 TH					
		BAROM. Milli- bars at M.S.L.	TEMP.	WIND		Weather.	BAROMETER.		TEMP.		WIND.		Rain- fall. Milli- metres.	TEMP.		ICELAND.	BAROM. Milli- bars at M.S.L.	TEMP.		WIND.		
				Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 3 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.		Weather.	Max.			Min.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.	Weather.
		* F.	* F.	* F.	* F.	* F.	* F.	* F.	* F.	* F.	* F.	* F.	* F.	* F.	* F.	* F.	* F.	* F.	* F.	* F.		
RUSSIA.	Orlov ...	*	*	*	*	*	1021.1	*	19	0	SW	7	0	*	*	*						
	Kem ...	*	*	*	*	*	1031.7	*	23	+7	WNW	4	0	*	*	*						
	Archangel	*	*	*	*	*	1031.4	*	19	+5	WSW	3	0	3	*	*	*					
	Mesen...	*	*	*	*	*									*	*						
SWEDEN.	Haparanda ...						1029.2	*	18	-1	SW	2	b	*	*	*						
	Hernösand ...						1038.4	*	5	-16	-	0	b	*	*	*						
	Stockholm ...						1040.3	*	23	-7	-	0	f	*	*	*						
	Wisby ...						1038.7	*	25	-3	E	2	b	*	*	*						
	Sordovalä ...						1027.7	*	19		SW	2	c	*	*	*						
	Hangö ...						1041.0	*	27	+6	-	0	0	*	*	*						
ITALY.	Venice ...							*														
	Turin ...							*														
	Pesaro ...	1003.9	43	N	3	0		*														
	Leghorn ...	1001.4	41	-	0	b		*														
	Rome ...	999.5	43	N	2	0		*														
	Viesti ...	999.9	45	NW	4	r		*														
	Brindisi ...	999.1	58	-	0	r		*														
	Cagliari ...							*														
	Palermo ...	1000.3	45	W	4	r		*														
	Tripoli ...							*														

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM					
31 ST JAN. & 1 ST FEB. 1919.		Sunrise.	Noon.	Sunset.	
		G.M.T.	G.M.T.	G.M.T.	
Yarmouth ...	...	7.40	12.7	4.34	
		7.38	12.7	4.36	
Greenwich ...	...	7.43	12.14	4.45	
		7.41	12.14	4.47	
Wick ...	...	8.24	12.26	4.28	
		8.21	12.26	4.31	
Valencia ...	...	8.26	12.55	5.24	
		8.25	12.55	5.25	

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

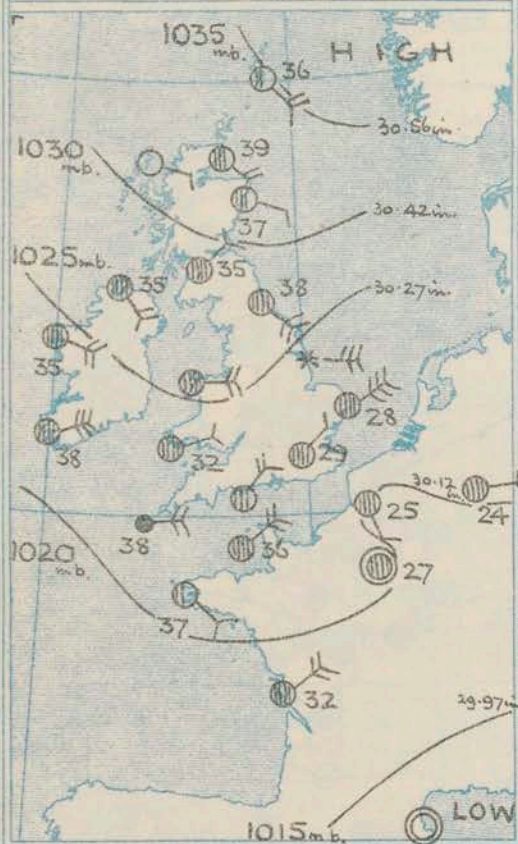
31 st JAN. & 1 st FEB. 1919.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.40	12.7	4.34
Greenwich ...	7.38	12.7	4.36
Wick ...	7.43	12.14	4.45
Valencia ...	7.41	12.14	4.47
	8.24	12.26	4.28
	8.21	12.26	4.31
	8.26	12.55	5.24
	9.25	12.55	5.25

LONDON		HUMIDITY.		Sun-shine for 30 th	TEMPERATURE.			Rain-fall.	WEATHER.		
31 st JANUARY 9h. G.M.T.		15 h.	9 h.		Max.	Min.	Min. on Grass		Morning.	Afternoon.	Night.
GREENWICH (Royal Observatory)		90	94	0.0	32	27	26	0.0	od	os	os
CITY (Bunhill Row)		*	*	0.0	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)		87	100	0.0	34	28	28	0.0	*	*	*
" (Roof near Charing Cross)		82	77	0.0	33	28	*	0.0	om.b.rm.	of.b	osp
CAMDEN SQ. (British Rainfall)		80	100	0.0	32	27	24	0.0	0	0	*
KENSINGTON PALACE		*	96	*	28	27	26	0.0	0	0	*
RICHMOND PARK		*	*	0.0	*	*	*	*	*	*	*

SOUTH KENSINGTON (M.O.)		
Vertical Component of Solar Radiation per square Centimetre during 30 th		
Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
0	0	0

31ST JAN, at 1h. G.M.T.

THE MORNING OF FRIDAY, 31ST JANUARY 1919 at 7h. G.M.T.



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.

TEMPERATURE.—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

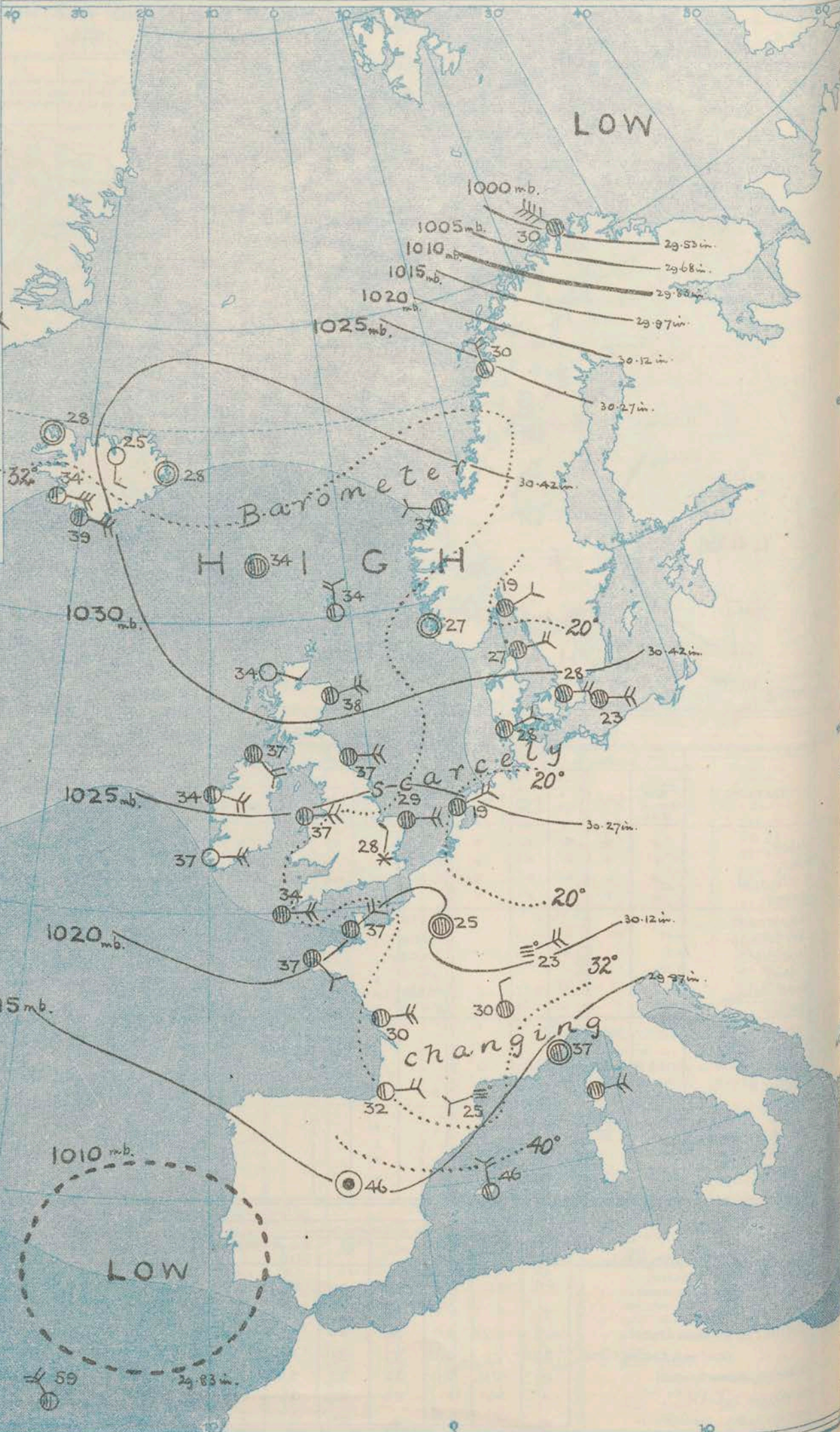
WEATHER.—Shown by the following symbols:—

○ clear sky. ☁ sky & cloudy. ☁ sky & cloudy.

☁ sky & cloudy. ☁ overcast sky. ☁ rain falling.

* snow. ▲ hail. ☁ fog. ☁ mist. T. thunder.

SEA DISTURBANCE.—Rough. High.



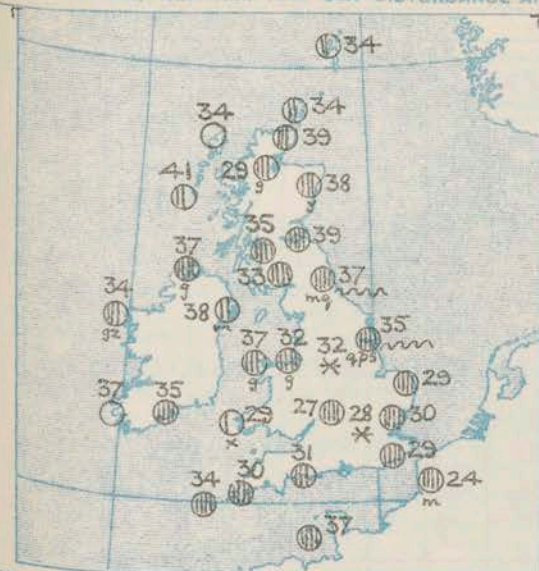
SCALE 1:100,000
Nautical Miles
Statute Miles

Normal Temperature of the Sea.

Below 40° 40°-50° 50°-60° Above 60°

Scale of Tints for JANUARY.

TEMPERATURE, WEATHER AND SEA DISTURBANCE AT 7h.



NOTES.

Notes on the Weather of the 24 hours ended 7h. Today

Temperature rose to 40° and a little higher in various parts of Scotland, Ireland and the south-west of England, but no higher than about 32° in south-eastern and Central England, where the frost at night was of moderate intensity; at Benson the minimum was 25° . Slight snow showers fell over the eastern half of England and rain or hail showers at Roches Point and Scilly. Over England the day was sunless, but slight measurements of sunshine were recorded elsewhere.

The Conditions at 7h. Today

A large anticyclone extends from Iceland to the Baltic, while pressure is relatively low over the Gulf of Genoa, and in a depression approaching the Azores from the westward; and lowest in a large disturbance to the northward of the White Sea. The wind over the British Isles and their vicinity remains Easterly and of little strength. Temperature has fallen and is now below 32° over a large portion of Great Britain, the lowest readings being 27° at Benson and South Farnborough and 28° in London (Kew Observatory). Severe frost still prevails in Holland. Except at a few stations in the west and far north the sky is overcast, with slight snow locally in central and eastern England.

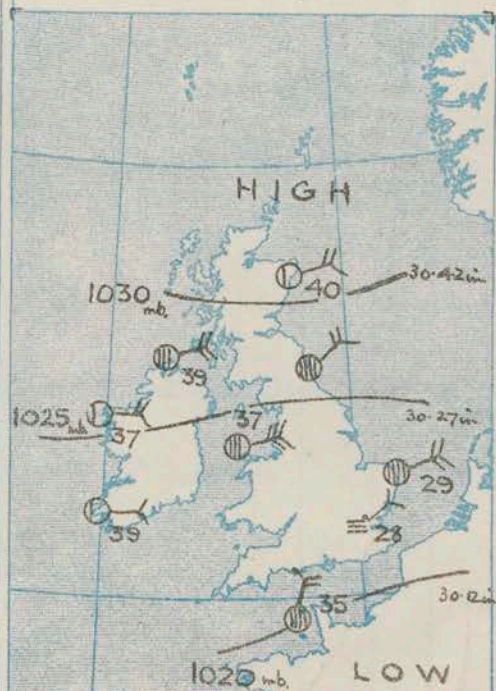
The Outlook

The barometrical changes in progress are very slight, and no important alteration in the general distribution is probable at present. The prolongation of the Easterly wind is likely to be accompanied by a further reduction of temperature in most parts of the United Kingdom.

H.H.

FRIDAY, 31ST

JANUARY, 1919, at 13h. (1p.m.) G.M.T.



No important change in pressure has occurred. Frost is general throughout central and south-eastern England.

STATIONS.	EVENING OF 30 TH					MORNING OF 31 ST										24 HOURS ENDED 7 TH 31 ST					Sun- shine for 30 TH Hours.		
	Barom. Milli- bars at M.S.L.	TEMP. °F.	WIND.		Weather.	Barometer.		TEMP.		WIND.		Dirac. of Upper Cloud.	Weather.	Sea 0-9.	Rain- fall. Milli- metres.	TEMP.		WEATHER.					
			Dirac.	Force 0-12.		Milli- bars at M.S.L.	Change in 8 hours.	Dry Bulb.	Change in 24 hours.	Dirac.	Force 0-12.					Max.	Min.	Morning.	Afternoon.	Night.			
BRITISH ISLANDS.	Lerwick ...	1035.9	36	SE	3	c	1033.5	-2	34	-3	NNW	3	-	bc	2	-	38	32	bc	bc	bc		
	Houton B. (Orkney) ...	1034.1	36	ESE	5	o	1033.7	0	34	-3	E	2	*	bc	-	*	38	33	o	z	b. bc		
	Stornoway ...	1031.2	37	ESE	5	b	1031.9	0	34	-5	ESE	1	-	b	-	-	40	32	c bc	bc b	bc b	1.2	
	Castlebay (Barra Isd.) ...	1029.2	41	ESE	4	c	1030.7	0	41	-1	E	3	E	bc	3	-	42	36	o c	c o c	c bc	2.0	
	Glasgow ...	1029.6	35	E	2	o	1029.2	0	35	-1	NE	3	-	o	*	-	38	33	o c bc	c o	o c	1.7	
	Eskdalemuir ...	1028.8	33	ENE	4	og	1027.9	0	33	0	NNE	4	-	o	*	-	35	31	o c bc	o c bc	o c o	0.9	
	Malin Head ...	1024.7	37	SE	4	c	1027.7	0	37	-3	SE	3	-	og	3	-	40	35	c q m	c q m	og	1.7	
	Blackrod Point ...	1023.0	35	ESE	3	bc	1026.1	0	34	-1	ESE	4	-	og	4	-	38	33	c g	bc z	bc g z		
	Valencia (Cahirciveen) ...	1020.4	41	ENE	2	c	1022.6	+1	37	+3	E	4	-	b	*	-	42	34	b bc	bc cz	oz bc b	1.5	
	Roche's Point ...	1021.7	39	ENE	3	r	1023.8	0	35	+1	ENE	3	-	o	3	-	42	34	op ogm	op h ot	ro bo	*	
	Birr Castle ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Donaghadee ...	1025.4	38	E	5	cmq	1026.9	0	38	+1	E	4	E	bc m	4	-	41	35	om p q	emp q s	og m q	*	
	Liverpool (Bidston) ...	1025.2	34	E	4	o	1025.0	-1	32	-2	NE	2	-	og	2	-	36	32	om	o	oz	0.0	
	Holyhead ...	1023.5	36	E	5	cmq	1024.7	-1	37	-1	E	4	-	og	3	-	38	32	om g	om cm	ob acm	0.0	
	Pembroke (St. Ann's) ...	1021.8	33	ENE	3	b	1024.3	-1	29	-8	ENE	2	-	bc	2	-	38	29	o	c bc	c b g z	0.0	
	Hartland Quay ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Scilly (St. Mary's) ...	1019.4	41	E	5	o	1022.2	+1	34	-6	E	4	-	o	4	-	43	33	c o	c op	o	0.0	
	Falmouth ...	1020.6	38	ENE	3	o	1022.8	+1	30	-6	NE	3	-	o	*	-	40	29	om	og o	o	0.0	
	Jersey (St. Aubin) ...	1019.7	39	ENE	3	o	1019.9	0	37	-2	NE	3	-	o	3	-	41	36	o c o	o b o	o	2.3	
	Portland Bill ...	1021.0	33	NE	4	o	1021.2	0	31	-4	ENE	5	-	c	4	-	37	31	o c	o	c	*	
	Dungeness ...	1019.7	32	NE	4	c	1020.1	0	29	-4	ESE	3	-	o	3	-	33	28	o c	c p s c	c o p s o	*	
Wick ...	1033.2	41	SE	4	o	1032.6	0	39	-1	E	2	-	c	4	-	42	37	om g bc	bc om	cm	*		
Nairn ...	1032.0	34	E	1	bc	1032.0	*	29	-7	-	0	-	og	1	-	37	28	og c	c bc	bc c	1.3		
Aberdeen ...	1032.6	39	E	4	og	1031.2	0	38	-1	ENE	4	-	cy	3	-	42	38	o c by	bcy oy	o cy	2.2		
Leith ...	1029.0	38	E	2	o	1028.4	0	39	+1	NE	4	-	o	4	-	40	37	o c uc	o	og o	*		
Tynemouth ...	1027.0	38	SE	5	og	1026.1	*	37	-2	E	4	-	om q	5	-	39	36	c q	og	om q	*		
Spurn Head ...	1024.7	35	E	4	c q v	1023.4	0	35	-1	E	5	-	og p s	5	-	36	30	og v	o c q v	og p s	0.0		
Yarmouth (Gorleston) ...	1022.5	29	ENE	6	og	1022.0	0	29	-1	E	4	-	o	4	-	33	29	o	og p s	og p s	0.0		
Clacton-on-Sea ...	1021.4	31	NNE	4	og	1021.9	0	30	-3	ENE	2	-	o	2	-	33	28	og d s	og p d s	og p d s	0.0		
Nottingham ...	1024.7	31	NE	3	o	1023.2	*	32	-1	NE	2	NE	s	*	-	33	31	s o	o p s	o	0.0		
Benson (Oxon.) ...	1022.6	30	NNE	4	o	1021.9	-1	27	-4	NE	1	-	o	*	-	32	25	o	o	o s	*		
Sth Farnborough ...	-	-	-	-	-	1022.4	0	-27	-4	NE	3	-	o	*	-	31	26	od om	om	om o	0.0		
Salisbury Plain ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
London (Kew Obsv.) ...	1022.7	30	NE	2	o	1022.1	0	28	-4	NNE	2	-	os	*	-	32	27	o om o	o of o	o o s	0.0		
NORTHERN EUROPE.	Spitsbergen ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Vardö ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Gjesvær ...	1002.3	30	NW	9	s	998.6	*	30	-7	NW	8	-	o	5	-	37	25	-	-	-	-	
	Bodö ...	1022.3	37	SW	8	r	1025.1	0	30	-9	N	3	-	c	2	-	39	28	-	-	-	-	
	Christiansund ...	1035.7	30	-	0	b	1031.9	-1	37	+7	WNW	2	-	c	2	-	37	28	-	-	-	-	
	Skudesnaes ...	1034.1	27	-	0	o	1031.7	-1	27	-1	-	0	-	b	1	-	36	25	-	-	-	-	
	Færder (X'ania Fjord) ...	1036.0	23	NE	3	c	1033.7	-1	19	-6	ENE	2	-	o	1	-	25	19	-	-	-	-	
	The Scaw (Skagen) ...	1033.2	30	ENE	4	b	1031.3	+1	27	-1	E	3	-	o	3	-	32	27	-	-	-	-	
	Blaavands Huk ...	1029.5	27	ENE	2	o	1027.9	-1	28	+5	ENE	2	-	o	*	-	32	19	-	-	-	-	
	Copenhagen ...	1031.1	30	SE	7	o	1029.1	+1	28	-2	ESE	3	-	o	*	-	34	28	-	-	-	-	
Bornholm ...	1029.9	28	E	7	o	1029.0	+1	23	-7	ESE	4	-	o	1	-	30	21	-	-	-	-		
FRANCE, &c.	The Helder ...	1024.2	21	E	5	o	1024.2	+1	19	-4	ENE	3	-	o	3	-	23	19	-	-	-	-	
	C. Gris Nez ...	1020.2	27	ENE	2	o	1021.1	+0	27	-1	E	3	*	o	*	-	36	25	-	-	-	-	
	La Hève ...	1020.6	30	E	3	o	1020.4	+1	28	-4	E	2	*	s	*	-	41	27	-	-	-	-	
	Brest (St. Mathieu) ...	1019.4	41	ENE	2	c	1020.6	0	37	-4	SE	2	*	o	*	-	43	36	-	-	-	-	
	Rochefort (Ile d'Aix) ...	1018.1	36	NE	4	c	1018.4	+0	30	-6	E	4	*	o	*	-	43	30	-	-	-	-	
	Biarritz ...	1015.1	37	ENE	3	b	1015.8	0	32	+2	E	3	*	bc	*	-	43	30	-	-	-	-	
	Paris ...	1019.9	27	NNE	2	o	1020.4	+1	25	-7	-	0	*	o	*	-	34	25	-	-	-	-	
Belfort ...	-	-	-	-	-	1020.8	*	23	-4	ENE	4	*	m	*	-	28	23	-	-	-	-		
Lyons ...	1017.9	32	-	0	o	1018.7	+1	30	+2	-	0	*	o	*	-	36	28	-	-	-	-		
Nice ...	-	-	-	-	-	1013.3	+1	37	-	-	0	*	c	*	-	48	36	-	-	-	-		
Perpignan ...	1015.5	37	NW	1	b	1016.7	+1	25	-12	WSW	2	*	m	*	-	43	25	-	-	-	-		
Sanguinaire ...	-	-	-	-	-	1012.7	+3	?	-	E	4	*	o	*	-	50	45	-	-	-	-		
IBERIA, &c.	Corunna ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Madrid ...	1014.2	48	W	1	o	1015.0	+2	46	+5	-	0	-	r	*	-	50	41	-	-	-	-	
	Lisbon ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Azores (Horta) ...	1010.0	*	SW	4	b	1005.2	-4	61	+7	S	8	*	o	6	-	63	54	-	-	-	-	
	" (P. Delgada) ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Madeira ...	1013.9	63	SW	4	r	1013.9	+2	59	-	NW	4	-	c	4	-								

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