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

SECOND QUARTER, APRIL TO JUNE.

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

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

* Results for 30 years, 1886–1915.
† " 16 " 1900–1915.
‡ " 15 " 1901–1915.

‡ Results for 9 years, 1907–1915.
§ " 8 " 1908–1915.
‖ " 6 " 1910–1915.

¶ Results for 5 years, 1911–1915.
** " 2 " 1914–1915.

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

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

Issue No. 20,249 **DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917.** Tuesday, 1st MAY.

YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON Monday, 30th APRIL 1917.

Little rain fell, but the sky was variable, sunshine measurements ranging from zero at Spurn Head to more than 10 hours at several stations. Temperature rose to about 60° in most districts.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR Monday, 30th APRIL, UP TO 17 H.

	STATIONS.	Sunshine for 29th Apr	Rainfall. Night. 17h-9h.	Rainfall. Day. 9h-17h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 17 h. 30 Apr
			Mm.	Mm.	°F.	°F.			Hr.
Scotland.	Oban	8·8	–	1	50	43	ob.c	c.b	0·5
	Banff	10·8	–	–	50	30	bc	bc	8·4
	Montrose	8·8	–	–	57	38	bc	bc	2·9
	St. Andrews	*	–	–	58	39	b	c	2·0
Eng. N.E.	Harrogate	1·6	–	–	60	43	c.bc.c	c.bc	4·1
	Skegness	4·0	–	–	55	41	o	o	0·4
Eng. N.W.	Morecambe	*	–	–	54	45	–	–	7·4
	Southport	1·1	–	–	55	46	c.bc.b	b.bc	8·1
Midlands.	Leamington Spa								
	Malvern								
	Ross-on-Wye	*	–	–	64	39	c.bc	bc	3·7
Wales.	Rhyl	4·1	–	–	53	46	c	c	3·0
	Colwyn Bay	*	*	*	58	48	bc	bc	3·0
	Llandudno	*	*	*	57	46	c	c	5·0
	Aberystwyth	*	*	*	52	46	o.c	b.bc	7·0
England, E.	Lowestoft								
	Felixstowe	2·0	–	–	55	47	bc	bc.cp	2·2
	Walton-on-Naze								
	Southend-on-Sea	*	–	–	63	46	c.bc	c.bc	2·8
England, S.E.	Margate	11·4	–	–	59	45	b	b	9·8
	Hastings	10·1	–	–	57	45	bc.b	b	8·7
	Eastbourne	9·3	–	–	60	40	b	b	8·6
	Seaford	10·3	–	–	58	40	b	b	8·1
	Brighton								
	Worthing	10·9	–	–	60	41	c	bc	6·6
	Littlehampton								
	Bognor								
	Bournemouth								
England, S.W.	Weymouth	*	*	*	63	41	b	bc.cz	9·8
	Torquay	13·2	–	–	60	41	b	b.bc.c	8·3
	Paignton								
	Penzance	*	–	–	60	43	b	b	10·3
	Newquay	10·6	–	–	53	33	b	b	9·8
	Bude	*	–	–	55	37	b	b	9·1
	Ilfracombe	*	–	–	?	43	b	b	10·4
	Weston-s-Mare	*	–	–	54	45	c.bc.b	b.bc	6·0

REPORTS FROM FOREIGN STATIONS FOR Monday, 30th APRIL

	STATIONS.	Evening of 29th APRIL. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	Morning of 30th APRIL. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours. ‡	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.							F.					°F	°F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel	995·9	28	N.W.	3	S	996·7		25	–	NW	3	S	0	*	25
	Gorki	–	–	–	–	–	1007·9	+1	30	-2	SE	1	S	0	*	27
	Velieki Luki	1011·8	27	SSW	1	b	1005·1	*	30	-7	SE	3	S	1	*	25
	Hangö														*	
	Riga	–	–	–	–	–	996·0	-2	48	+16	O.	0	0	3	*	30
	Petrograd	1007·1	28	WNW	3	b	1006·4	-1	19	-4	SW	1	b	0		41
	Moscow	1007·1	32	NW	3	S	1013·1	+4	32	-7	SW	2	b	1	*	25
	Kiev	1019·4	32	NW	1	b	1016·3	-4	37	+1	SSW	5	o	1	*	30
	Kharkov	1015·3	36	WNW	3	b	1023·1	0	34	-9	W	2	b	14	*	28
	Kishinev														*	
	Elisabetgrad	1019·9	36	WNW	3	b	1023·9	+1	37	-2	S	3	b	0	*	28
	Nicolaiev	1020·8	43	NW	3	b	1025·7	*	43	-7	SSW	2	b	0	*	34
	Odessa	1022·4	43	NNW	2	b	1025·5	+2	45	0	SSW	3	b	0	*	37
	Tarkhankout	1014·1	45	W	5	b		*							*	
	Soukhoum														*	
Mediterranean.	Venice	1019·9	57	–	0	bc	1020·9	*	57	0	–	0	0	–	63	54
	Pesaro	1021·1	50	–	0	b	1022·5	*	57	-2	–	0	b	–	68	50
	Rome	1023·7	55	–	0	b	1023·1	*	54	0	N	1	bc	–	66	46
	Viesti	1022·3	59	SSE	1	b	1022·6	*	59	+4	SSE	1	b	–	61	52
	Brindisi	1023·0	55	SW	1	b	1023·9	*	50	+2	–	0	b	–	64	50
	Cagliari	1019·0	64	ENE	4	c	1019·0	*	63	0	–	0	r	–	68	55
	Palermo	1022·5	59	–	0	b	1021·9	*	54	–	–	0	r	–	68	48
	Tripoli						1018·3	*	70	+9	SSW	1	c	–	71	59
	Algiers	1012·6	61	NW	6	0	1011·0	0	63	+2	N	2	0	Trace	70	57
Sweden.	Hernösand	1005·8	28	S	4	b	1006·0	*	30	+5	S	2	b	*	*	*
	Stockholm	1002·0	46	SE	4	0	1005·1	*	34	0	NE	4	0	*	*	*
	Wisby	996·4	32	ESE	4	S	1008·4	*	32	-4	NNE	6	S	*	*	*

ICELAND.	Morning of 30th APRIL. Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather
		°F	°F			
Isafjord	1014·6	27	+2	N	4	bc
Reykjavik	1007·4	30	+2	E	4	bc
Vestmanna						
Seydisfjord	1014·0	30	+5	NE	3	S
Thorshavn	1012·1	34	-3	–	0	b

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

1st and 2nd MAY, 1917.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	4.24 / 4.22	11.50 / 11.50	7.16 / 7.18
Greenwich	4.34 / 4.32	11.57 / 11.57	7.20 / 7.22
Wick	4.20 / 4.18	12.9 / 12.9	7.58 / 8.0
Valencia	5.13 / 5.11	12.38 / 12.38	8.2 / 8.4

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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‡ The barometric change is expressed in half-millibars.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.

THE MORNING OF TUESDAY, 1ST MAY, 1917.

GENERAL INFERENCE

No important change is expected from present conditions.

FORECAST DISTRICTS.

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 ¼ clouded. ◑ sky ½ clouded.
◕ sky ¾ clouded. ● overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤, thunder. ⊼, thunderstorm.

SEA DISTURBANCE.—Rough ~~ High ≈≈

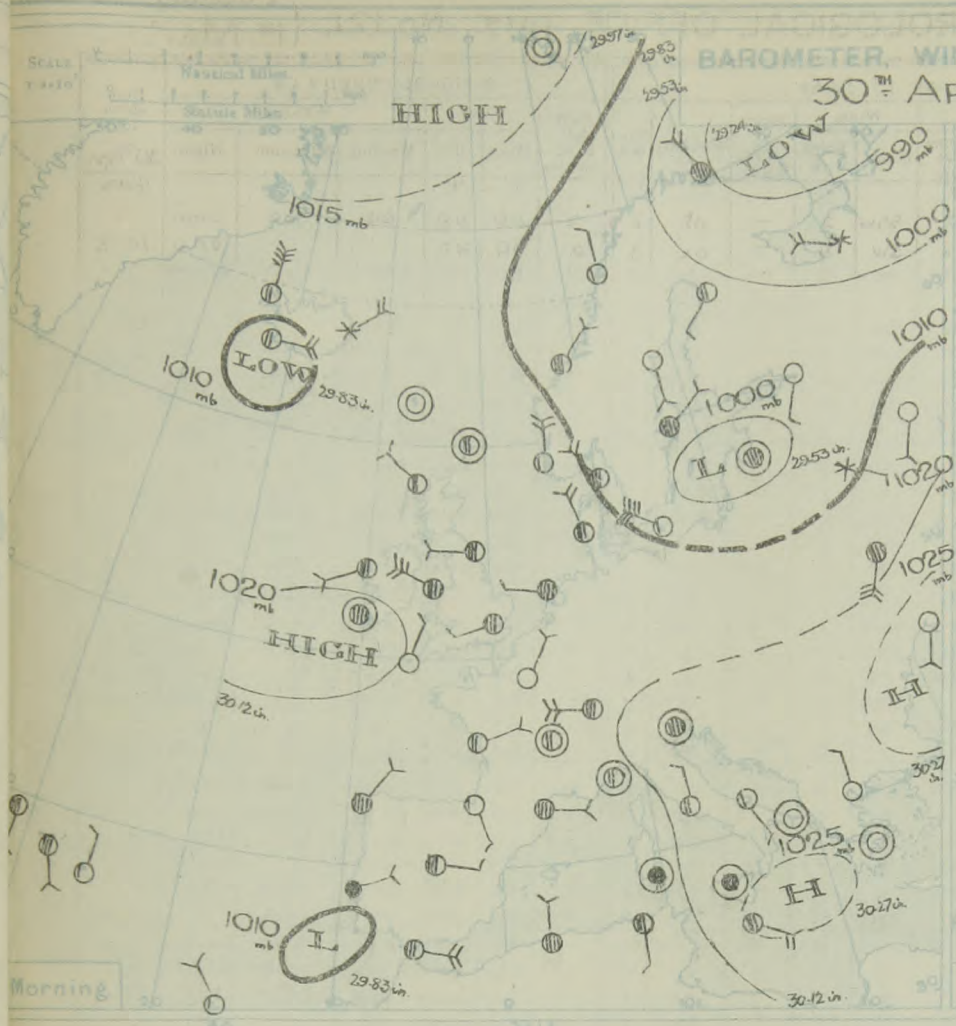
Normal Temperature of the Sea.

Below 40° | 40°-50° | 50°-60° | Above 60°

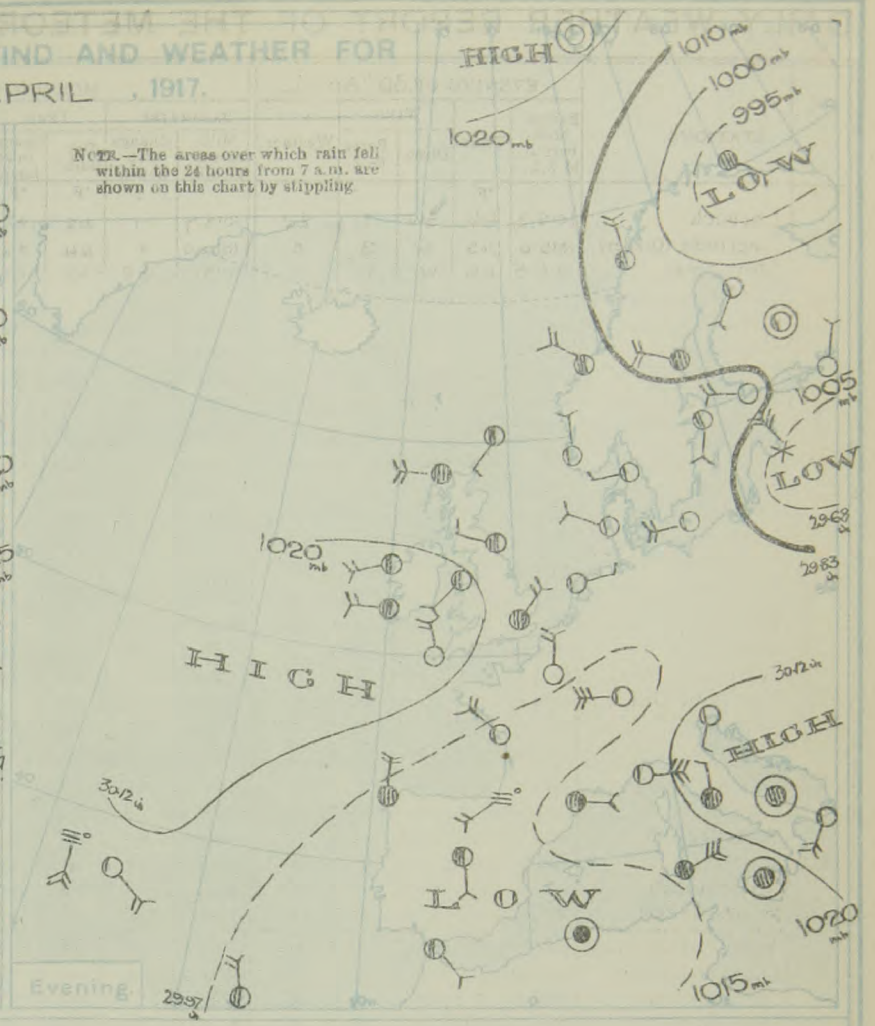
Scale of Tints for MAY.

BAROMETER, WIND AND WEATHER FOR

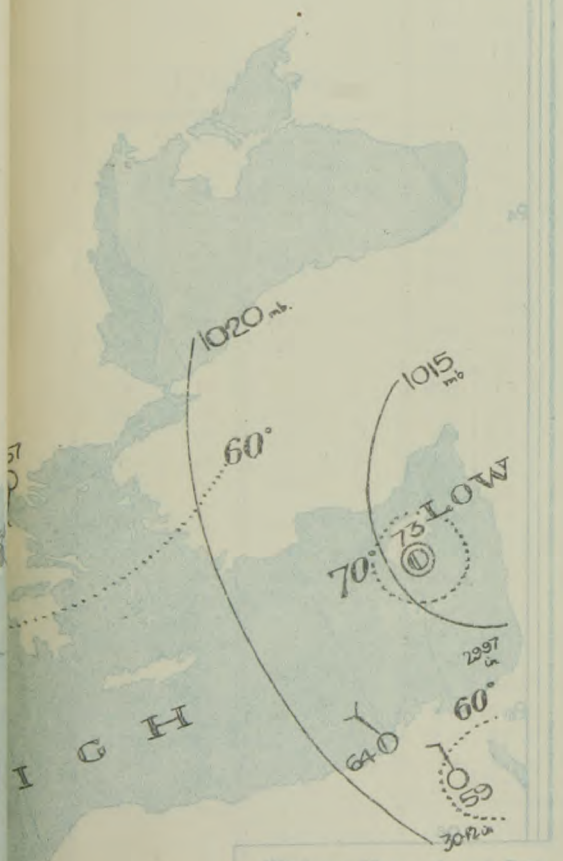
30th APRIL, 1917.



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



Forecasts Noon Tuesday to Noon Wednesday.



0 a, b, 1 — Moderate winds from between SW. and W. Dull, some showers. Rather cold.

2 a, b, 3, 4 a, b, c, 5 — Light indefinite winds. Fine, some mist. Moderate temperature.

6 a, b — Same as Nos. 0 and 1

7 a, b, c, 8 a, b, 9 a, b, 10 a, b — Same as Nos. 2,3,4 and 5

11 — Light or moderate NE. winds. Smooth sea, fine.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 121. {Tuesday, 1st May.

	STATIONS.	Evening of 30th April: Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12.	Weather.	Morning of 1st May: Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	24 hours ended 7 a.m.: Rain-fall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for 30th Apn.
			°F.					*	°F.	°F.							°F.	°F.				Hours.
British Islands.	Lerwick ...	1015·3	46	SW	1	bc	1013·7	-1	42	+2	SSW	2	–	or	2	2	46	40	bc	bc	omr	*
	Deerness (Orkney)	1015·6	45	W	3	c	1014·9	*	44	+2	SW	4	–	oz	3	2	49	40			cr.o	10·8
	Stornoway ...	1016·5	48	W	4	o	1017·1	+2	48	+8	W	5	–	opm	4	2	50	40	bcp.c	c.o	bc.opm	6·5
	Castlebay (Barra Isd.)																					
	Glasgow ...	1018·2	50	W	2	bc	1023·0	+2	44	0	SW	2	W	c	*	–	54	41	o.c	c	cz	3·2
	Eskdalemuir ...	1018·3	52	W	4	c	1023·8	+2	44	0	SW	3	–	bc	*	1	56	30	o.c or.c	o.c	c.bc	2·9
	Malin Head ...	1019·3	50	WSW	3	bm	1022·5	*	46	0	WSW	2	SE	bcm	3	–	51	43	bcm	bm	bcm	10·0
	Blacksod Point	1020·6	50	WSW	3	bcm	1024·1	+1	48	0	SW	2	–	bm	2	–	54	45	bcz	bcm	bcm.of	*
	Valencia (Cahirciveen)	1022·4	54	W	3	c	1026·6	+2	44	-5	–	0	N	bczw	2	–	56	42	o.cz	c.bcz	b.bcz	7·6
	Roche's Point	1021·4	55	NW	2	ogz	1026·0	*	?44	-4	NW	2	–	f	2	Trace	56	43	ogz	c.ogz	o.bf	*
	Birr Castle ...	1020·6	56	W	1	o	1025·4	*	49	0	W	1	–	m	*	–	58	37	o	c.o	cf	0·4
	Donaghadee ...	1019·4	48	ESE	2	bcmp	1024·0	+2	45	-3	WSW	2	–	bmw	1	1	56	40	cmp	bcmp	bcm.bm	*
	Liverpool (Bidston)	1020·5	51	W	1	b	1025·0	+2	48	0	SE	1	–	bm	1	–	54	42	bc	bc	bx	5·0
	Holyhead ...	1020·2	55	SW	2	bm	1024·8	+2	47	0	SW	2	SW	cm	1	–	55	43	bcm	bm	bcm	6·2
	Pembroke (St. Ann's)	1021·2	52	WNW	2	b	1025·1	+4	48	0	E	1	–	b	0	–	54	42	c.bc.b	b	b	11·0
	Scilly (St. Mary's)	1021·9	53	NNW	3	bm	1024·8	+1	50	+1	NNE	1	–	bm	3	0·1	57	46	bm	bm	bmc.bm	12·5
	Falmouth ...	1020·5	54	N	3	b	1024·3	+2	48	0	NNW	1	–	b	*	–	59	43	b	b	b	12·3
	Jersey (St. Aubin)	1018·8	56	N	3	b	1022·7	*	52	+4	NE	3	–	b	2	–	59	47	b	b	b	10·8
	Portland Bill ...	1018·4	50	–	0	c	1023·6	+3	49	-1	ENE	2	–	b	2	–	55	47	b.bc	bc	c.bc.b	*
	Dungeness ...	1017·9	53	–	0	b	1023·4	+3	48	-2	NE	1	–	b	0	–	57	41	b	b	b	*
	Dover	1019·0	55	–	0	b	1024·1	+3	51	+4	–	0	–	b	2	–	59	39	bc.b	b	c.b	11·7
	Wick	1016·1	45	NW	2	c	1016·1	0	46	+5	SSE	3	–	o	0	4	46	37	bcmph	cmp	omg	*
	Nairn	1016·2	49	W	2	bc	1017·8	*	49	+6	W	3	–	ogm	2	–	54	42	bc.cq	c.bcq	cg	7·1
	Aberdeen ...	1017·0	46	ESE	1	c	1019·9	0	48	+2	SSW	3	–	oz	2	2	49	40	bc.op	op.c	bc.b.oz	3·5
	Leith	1017·2	55	W	2	bc	1022·2	+2	48	+3	W	1	W	b	1	–	57	43	o.c.bcb	b	bc.bz	*
	Tynemouth ...	1017·6	55	WNW	1	cm	1023·4	*	46	-1	W	1	–	bm	2	3	59	43	bcm	omp	bm	*
	Spurn Head ...	1019·4	48	ESE	1	cm	1025·3	+2	47	0	NW	3	–	bcm	2	–	54	42	bcm	cm	c	0·0
	Yarmouth (Gorleston)	1019·1	46	SE	3	bc	1024·4	+3	46	-5	WNW	1	–	bcm	2	–	56	42	cm.bcm	bcm	cm.bcm	3·0
	Clacton-on-Sea	1019·4	50	E	2	bc	1024·7	+3	49	-1	N	1	–	b	0	–	56	42	c.bc.c	c.bc	bc.bmw	3·6
	Nottingham ...	1018·8	57	WNW	3	c	1025·3	*	41	-3	SW	1	–	bm	*	–	60	38	o.c	o.c	c	0·2
	Benson (Oxon.) ...	1018·5	58	–	0	b	1024·2	+3	48	0	NE	1	–	bz	*	–	62	42	bc	b	b	*
	Sth Farnborough	1018·0	59	ENE	2	bc	1024·2	+4	44	-2	–	0	–	bmw	*	–	63	34	bc.o.c.o	o bc	o.bfmw	3·5
	London (Kew Obsy.)	1018·9	59	NE	3	o	1025·1	+4	45	-2	–	0	–	bmw	*	–	61	39	cm.cz.oz	oz.o	bcm.bmw	5·3
Northern Europe.	Spitsbergen ...	1020·4	0	–	0	b	1023·4	+3	-4	+2	S	1	*	b	*	*	9	-15				
	Vardö	992·0	28	SSE	2	o	991·6	0	30	0	NNE	3	–	S	3	*	34	19				
	Bodö	1008·8	32	N	4	c	1007·6	0	32	+4	W	6	–	o	4	–	32	25				
	Christiansund ...	1014·3	34	NW	3	c	1013·2	+2	36	-1	NNW	2	–	c	3	2	37	30				
	Skudesnaes ..	1017·8	39	N	2	b	1019·0	+1	41	+2	S	3	–	o	2	?	43	37				
	Færder (X'tania Fjord)	1015·4	39	WNW	4	b	1019·6	+2	39	+1	WSW	6	NW	bc	3	–	41	32				
	The Scaw (Skagen)	1015·9	43	W	1	b	1022·4	+3	43	+4	W	3	–	b	3	–	43	32				
	Blaavands Huk	1019·9	43	NW	2	b	1025·5	+3	43	+2	SW	1	–	o	?	–	45	34				
	Copenhagen ...	1017·6	43	NNW	3	b	1025·4	+3	41	0	NW	2	–	b	*	–	48	36				
	Bornholm ...	1015·6	37	W	4	b	1024·4	+2	39	+2	SW	2	–	m	0	–	41	32				
France, &c.	The Helder ...	1019·1	43	ENE	1	b	1024·3	+3	45	0	E	1	–	b	0	–	50	45				
	C. Gris Nez ...	1018·6	47	ENE	1	b	1023·4	+3	47	0	E	4	*	b	1	–	59	43				
	La Hève	1018·4	52	NNE	2	m	1022·3	*	47	+4	ENE	3	*	m	1	–	57	45				
	Brest (St. Mathieu)	1020·3	55	N	4	b	1023·4	+1	52	+6	NE	3	*	b	1	–	63	45				
	Rochefort (Ile d'Aix)	1014·2	60	NW	3	b	1018·2	+3	56	+2	NE	1	*	b	*	–	72	52				
	Biarritz	1012·8	56	SW	3	m	1016·7	+2	55	-9	W	2	*	m	0	–	68	52				
	Paris	1016·0	63	NNE	2	b	1021·0	+2	52	+2	NNE	2	–	b	*	–	72	45				
	Belfort	1014·7	66	W	5	b	1020·0	*	56	0	–	0	*	m	*	–	73	47				
	Lyons	1015·6	61	S	2	o	1018·6	*	54	+3	–	0	*	o	*	–	73	51				
	Nice	1018·4	55	E	5	b	1017·4	0	58	+3	E	5	*	o	6	–	61	50				
	Perpignan ...	1017·2	58	E	2	o	1017·8	+1	54	-4	NE	1	–	n	*	23	61	52				
	Sanguinaire ...	1016·8	60	W	2	m	1015·9	*	57	0	E	1	*	o	2	–	63	48				
Southern Stations.	Corunna	1014·4	57	N	4	o	1017·1	+1	57	+2	NNE	3	E	c	2	?	61	54				
	Madrid	1013·8	55	S	2	c	1015·4	+2	54	-1	–	0	–	c	*	2	64	50				
	Lisbon																					
	Azores (Horta) ...	1018·4	*	SSE	4	m	1015·8	†1	61	+2	SSE	3	*	n	3	–	66	61				
	Madeira	1014·2	64	NW	3	bc	1016·7	0	57	0	N	4	N	c	3	–	68	57				
	Gibraltar	1014·9	58	SE	2	bc	1012·5	*	69	+1	E	5	*	o	3	6	66	56				
	Malta	*	*	*	*	*	1020·4	+2	61	0	ESE	4	–	o	3	–	63	57				
	Limassol	*	*	*	*	*	1014·8	+1	73	+9	–	0	–	bc	2	–	73	48				
	Alexandria ...	1007·2	63	NNW	3	b	1019·5	+1	64	0	NNW	2	NW	b	2	–	73	61				
	Cairo (Helwan) ...	1018·4	64	NNW	3	b	1019·1	+2	59	+2	N	1	–	b	*	–	73	52				

RAINFALL.

Equivalents of Millimetres in Inches.

mm.	Inches.	mm.	Inches.
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·10
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69
19	0·75	44	1·73
20	0·79	45	1·77
21	0·83	46	1·81
22	0·87	47	1·85
23	0·91	48	1·89
24	0·95	49	1·93
25	0·98	50	1·97

LONDON OBSERVATIONS.

	Humidity. 15 h. 30th Apn	Humidity. 9 h. 1st May	Sunshine for 30th Apn	24 hours ended 9 h. 1st May. Temperature. Max.	Temperature. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	52	73	1·9	62	38	28	–	c.o	o2b	bcm
CITY (Bunhill Row)	*	*	1·6	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	39	74		62	42	39	–	bc.o	o	bcm
CAMDEN SQ. (British Rainfall) ..	47	66	4·1	67	40	36	–	bc.c	bc.o	*
HAMPSTEAD (Reservoir)	*	61	3·8	61	42	28	–	bc	bc	bcx
S. KENSINGTON (Museum Grounds)	*	74	1·5	62	46	34	–	bc	c.o	bm

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during 30th April.

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts	Milliwatts.
942.	17.8.	62.5.

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

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

Issue No. 20250 **DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917.** { Wednesday 2nd May

YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON Tuesday 1st MAY 1917.

Continuous rain fell in the North of Scotland, but over the rest of the country the day was fine with much sunshine. Temperature exceeded 60° at many stations.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR Tuesday 1st MAY UP TO 17 H.

	STATIONS.	Sunshine for 30 APR	Rainfall. Night. 17h-9h.	Rainfall. Day. 9h-17h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 17 h. 1 May
			Mm.	Mm.	°F.	°F.			Hr.
Scotland.	Oban	2·2	0	–	51	43	obcb	–	4·0
	Banff	10·0	–	–	58	37	oc	coq	0·2
	Montrose	2·9	–	–	57	32	o	o	0·1
	St. Andrews								
	Carnoustie	*	*	*	58	47	coq	d	0·0
Eng. N.E.	Harrogate	5·6	–	–	62	39	bbc	bcb	10·4
	Skegness	0·4	–	–	55	39	b	b	10·9
Eng. N.W.	Morecambe	9·4	–	–	57	39	–	–	10·8
	Southport	10·3	–	–	58	41	bcb	b	9·7
Midlands.	Leamington Spa								
	Malvern								
	Ross-on-Wye	3·9	–	–	67	42	b	b	10·7
Wales.	Rhyl	4·5	–	–	58	37	cbc	bbc	8·5
	Colwyn Bay	*	*	*	55	39	cbc	bc	7·5
	Llandudno	*	*	*	57	41	ccb	–	9·2
	Aberystwyth	*	*	*	55	41	cbb	bcc	11·5
England, E.	Lowestoft		–	–	57	43	bbc	bcb	10·3
	Felixstowe	2·2	0·3	–	55	38	bm	bm	11·0
	Walton-on-Naze	*	–	–	53	39	bbzbb	bbbz	10·5
	Southend-on-Sea	*	–	–	60	42	b	b	10·9
England, S.E.	Margate	9·8	–	–	52	43	b	b	10·3
	Hastings	9·2	–	–	60	44	b	b	11·7
	Eastbourne	9·7	–	–	56	41	b	b	11·4
	Seaford	8·9	–	–	67	40	b	b	11·4
	Brighton	*	–	–	59	41	b	b	11·0
	Worthing	7·5	–	–	61	41	b	b	11·6
	Littlehampton	*	–	–	57	43	b	b	11·5
	Bognor	*	–	–	59	41	b	b	10·7
	Bournemouth	*	–	–	64	39	b	b	11·8
England, S.W.	Weymouth	*	*	*					
	Torquay	8·6	–	–	60	44	b	b	11·4
	Paignton								
	Penzance	*	–	–	64	44	b	b	11·5
	Newquay	11·5	–	–	53	40	bb	b	10·6
	Bude								
	Ilfracombe								
	Weston-s-Mare	6·8	–	–	65	40	b	bcbz	9·5

REPORTS FROM FOREIGN STATIONS FOR Tuesday 1st May

	STATIONS.	Evening of 30 April: Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12.	Weather.	Morning of 1st May: Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours. ‡	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.						°F.	°F.					F	F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel	1000·6	25	W	3	bc	1002·9	+1	25	–	SW	4	b	0	*	23
	Gorki	1004·6	39	S	1	bc	1017·7	–	36	+6	W	2	o	3	*	34
	Velieki Luki	1005·6	36	SSE	3	o	1018·9	*	32	+2	SW	3	o	7	*	30
	Hangö	1011·2	28	WNW	3	b	1014·3	+1	32	–	W	3	b	o	*	23
	Riga	1003·6	30	NNW	5	s	1020·2	+3	36	-12	SW	1	b	3	*	27
	Petrograd	1008·0	32	NE	2	b	1013·0	+3	30	+11	WSW	2	b	o	39	27
	Moscow	1009·1	36	SSW	2	o	1012·2	+3	39	+7	WSW	3	o	1	*	36
	Kiev	1016·7	52	W	3	b	1021·6	+4	46	+9	NNE	2	o	o	*	37
	Kharkov	1019·5	54	S	2	b	1021·2	*	46	+12	S	1	o	o	*	45
	Kishinev	1064·0	55	–	o	b	1019·5	+1	50	–	–	o	b	–	*	39
	Elisabetgrad	1020·1	50	SSE	4	o	1021·9	+1	46	+9	S	2	b	9	*	43
	Nicolaiev	1022·0	48	SSW	3	b	1022·0	*	52	+9	SSW	2	b	–	*	34
	Odessa	1022·3	48	SW	5	b	1022·0	o	50	+5	WSW	4	b	–	*	46
	Tarkhankout	1025·1	50	SSW	3	b	1025·5	*	52	–	SSW	3	b	–	*	48
	Soukhoum														*	
Mediterranean.	Venice	1020·2	57	SSW	1	b	1021·1	*	59	+2	ENE	1	c	2	66	54
	Pesaro	1020·7	57	–	o	bc	1020·9	*	59	+2	–	o	o	o	66	52
	Rome	1021·3	54	N	1	o	1019·9	*	59	+5	N	1	o	1	71	52
	Viesti	1021·3	59	–	o	o	1021·4	*	59	o	–	o	o	o	63	55
	Brindisi	1022·2	55	SW	4	b	1020·5	*	54	+4	SE	3	o	o	71	52
	Cagliari	1015·0	63	ENE	5	o	1013·8	*	61	-2	NE	4	o	o	70	54
	Palermo	1018·6	68	–	o	o	1016·5	*	61	+7	–	o	o	o	77	54
	Tripoli	1016·1	77	NW	1	bc	1015·9	*	68	-2	SE	1	b	o	84	59
	Algiers	1013·1	61	–	o	r	1012·4	+2	59	+4	E	2	o	?	70	55
Sweden.	Hernösand	1005·8	28	S	4	b	1013·2	*	34	+4	W	2	c	*	*	*
	Stockholm	1002·0	46	SE	4	o	1017·7	*	35	+1	WSW	2	b	*	*	*
	Wisby	996·4	32	ESE	4	s	1018·7	*	37	+5	WSW	2	b	*	*	*

Morning of 1st MAY

ICELAND.	Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Weather
		°F	F			
Isafjord	1009·0	32	+5	NE	8	s
Reykjavik	1008·8	32	+2	–	o	c
Vestmanna						
Seydisfjord	1004·7	32	+2	NE	4	s
Thorshavn	1009·7	39	+5	WNW	2	r

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

2nd and 3rd MAY 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4·22	11·50	7·18
	4·20	11·50	7·19
Greenwich	4·32	11·57	7·22
	4·31	11·57	7·23
Wick	4·18	12·9	8·0
	4·16	12·9	8·2
Valencia	5·11	12·38	8·4
	5·10	12·38	8·6

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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‡ The barometric change is expressed in half-millibars.

TEMPERATURE, WEATHER AND SEA DISTURBANCE

THE MORNING OF Wednesday, 2nd MAY, 1917.

GENERAL INFERENCE

Depressions in the North are likely to maintain less settled weather over Scotland than over the rest of the British Isles.

FORECAST DISTRICTS.

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 ¼ clouded. ◑ sky ½ clouded. ◕ sky ¾ clouded. ● overcast sky. ⦿ rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤ thunder. ⊤⊼, thunderstorm.

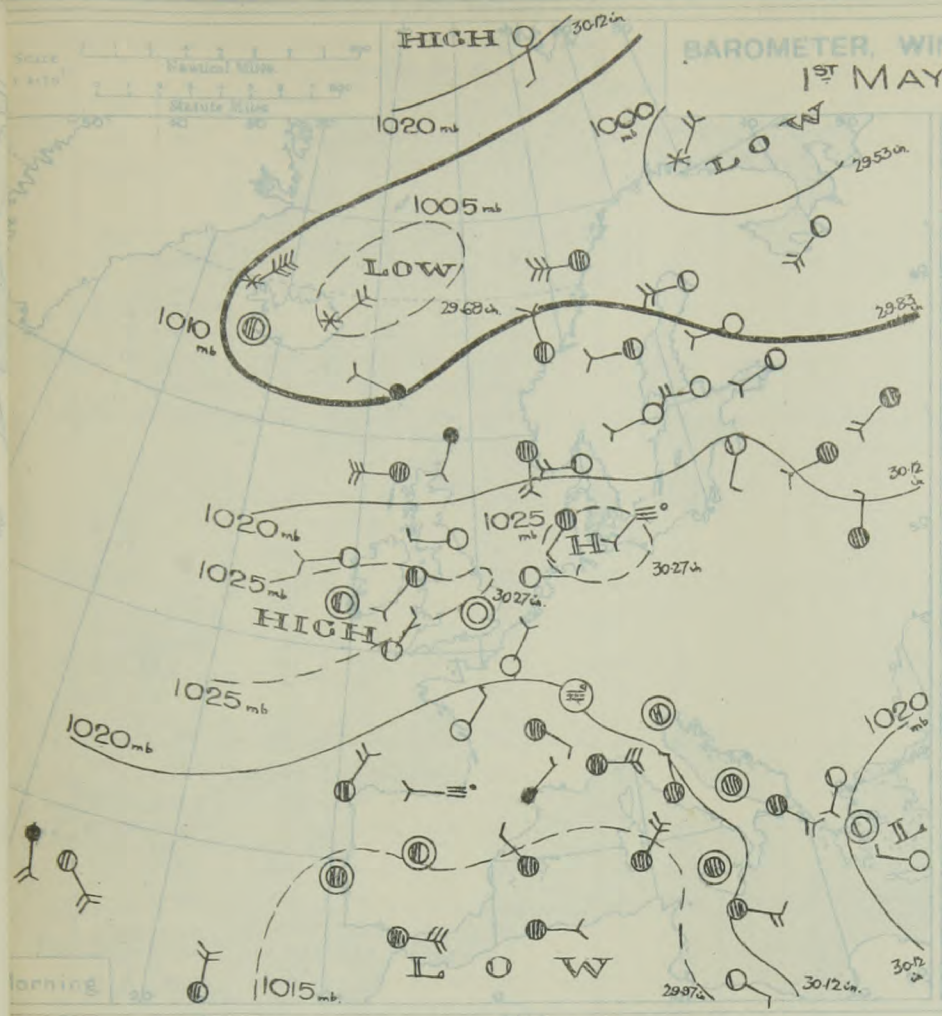
SEA DISTURBANCE.—Rough ~~ High ≈≈.

HIGH 30·27 30·12 29·97 29·83 29·68 29·53 1025 mb. 1020 mb. 1005 mb. 1000 mb. LOW 1015 mb. 1010 mb. 1020 mb. 1025 mb. 1015 mb. 1020 mb. 1015 mb. 1010 mb. 1015 mb. 40° 50° rising 60° 60° 50° nearly stationary Barometer Barometer 30·27 in. 30·12 in. 29·97 in. 29·83 in. 29·97 in.

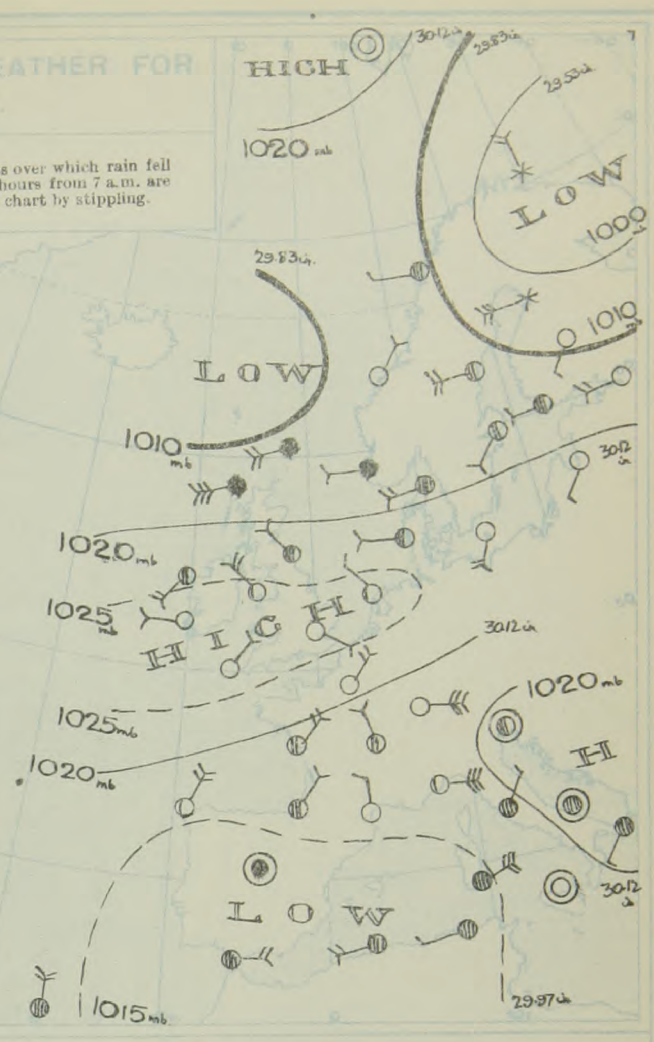
Normal Temperature of the Sea

Scale of Tints for MAY.

BAROMETER, WIND AND WEATHER FOR 1ST MAY, 1917.



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



FORECASTS FOR NOON WEDNESDAY TO NOON THURSDAY

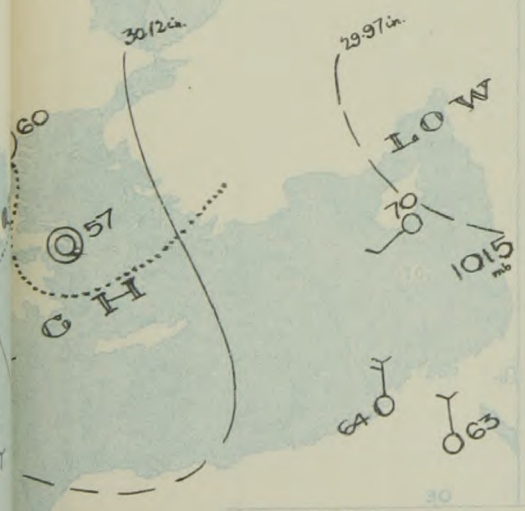
0 1 — Fresh Wly. or SWly winds; dull, some showers. Moderate temperature.

2 3 4 5 — Light indefinite winds; fine weather, but some mist. Normal temperature.

6 — Same as Nos. 0 and 1.

7 8 9 — Same as Nos. 2,3,4, and 5.

10 — Moderate Ely. winds; slight sea; fine.



Western Channel and Bay. 11

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 122. {Wednesday, 2nd MAY

	STATIONS	Evening of 1st: Barom. Millibars at M.S.L.	Temp.	Wind: Direc.	Wind: Force 0–12.	Weather.	Morning of 2nd: Barometer: Millibars at M.S.L.	Barometer: Change in 3 hours.	Temp.: Dry Bulb.	Temp.: Change in 24 hours.	Wind: Direc.	Wind: Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	24 hours ended 7 A.M.: Rainfall. Millimetres.	Temp.: Max.	Temp.: Min.	Weather: Morning.	Weather: Afternoon.	Weather: Night.	Sunshine for 1st.
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1010·6	46	WSW	4	or	1017·0	+3	42	0	–	0	–	0	0	13	47	42	or	omr	0	*
	Deerness (Orkney)	1013·5	47	SW	4	p	1017·9	*	47	+3	W	5	–	oe	4	11	49	44	or	r	ore	0·0
	Stornoway ...	1016·4	51	WSW	6	orq	1020·1	+2	50	+2	WSW	6	–	oq	5	4	52	48	orq	orq	opq	0·0
	Castlebay (Barraisd.)																					
	Glasgow ...	1028·0	55	W	4	c	1025·5	+1	47	+3	WSW	2	–	0	*	–	59	44	c·0	0·cz	cz·om	3·1
	Eskdalemuir ...	1028·5	53	SW	5	c	1026·1	+2	46	+2	WSW	3	N	0	*	–	59	41	bc.b.o	c·bc.c	c·0	5·0
	Malin Head ...	1023·2	50	W	4	bm	1025·9	*	48	+2	SW	3	W	bcm	3	–	56	45	bcm	bm	bcm	10·7
	Blacksod Point	1024·6	52	SSW	3	bcz	1026·2	0	49	+1	SW	2	SW	bc	2	–	55	46	bc	bc	bcz.bc	*
	Valencia (Cahirciveen)	1027·4	54	W	2	b	1028·0	0	42	−2	NE	1	–	bw	2	–	56	36	bc.bx	bz	b.bw	13·2
	Roche's Point	1027·2	55	SSW	2	b	1028·2	*	46	+2	NNW	1	–	b	1	0·1	58	43	bz	bz	bzw	*
	Birr Castle ...	1026·4	55	W	1	c	1028·3	*	42	+1	W	1	–	m	*	0·1	62	38	bf	c	cfc	6·7
	Donaghadee ...	1023·7	61	WNW	3	bmz	1026·2	+2	47	+2	WSW	2	–	bcm	1	–	62	44	bcm	bz	bcm	*
	Liverpool (Bidston)	1026·2	53	WNW	1	b	1027·7	+1	50	+2	–	0	–	b	0	–	58	45	b	b	b	12·5
	Holyhead ...	1026·2	55	NW	3	bm	1027·8	0	47	0	NW	1	–	bm	0	–	58	44	b	bm	bmw	11·8
	Pembroke (St. Ann's)	1024·2	57	NNW	2	b	1027·9	+1	49	+1	NE	3	–	b	1	–	60	44	b	b	b	12·5
	Scilly (St. Mary's)	1026·3	54	NE	2	bm	1026·7	0	52	+2	E	2	–	bm	3	–	57	46	bm	bm	bm	13·1
	Falmouth ...	1025·8	57	SSE	1	bz	1026·5	0	52	+4	N	1	–	b	*	–	62	46	b	b	b	13·1
	Jersey (St. Aubin)	1023·4	60	NE	3	b	1024·6	*	55	+3	ENE	3	–	b	2	–	64	49	b	b	b	12·5
	Portland Bill ...	1025·3	54	W	2	b	1026·5	0	54	+5	NE	2	–	b	2	–	58	47	b	b	b	*
	Dungeness ...	1024·8	50	NE	4	b	1026·8	0	49	+1	NE	2	–	b	1	–	54	38	b	b	b	*
	Dover	1025·9	55	NE	2	b	1026·0	+1	56	+5	N	1	–	b	2	–	60	39	b	b	b	12·8
	Wick	1015·0	53	W	4	o	1018·8	+2	50	+4	W	4	–	o	3	1	53	45	omp	ompq	omp	*
	Nairn	1017·2	54	W	7	bcq	1021·2	*	50	+1	W	2	–	cg	2	–	60	46	q.bcq	cq.bc	bcq.cg	4·3
	Aberdeen ...	1019·4	56	SW	3	o	1021·9	+1	52	+4	W	4	–	o	2	–	58	48	ox.o	o	o.co	0·0
	Leith	1021·8	57	W	2	c	1023·7	0	49	+1	W	1	–	o	2	–	59	42	bx.b.bc	c.o.cu.c	cx.co	*
	Tynemouth ...	1023·8	59	NW	2	cm	1025·5	*	49	+3	W	2	W	cm	2	–	62	45	bcm	bcm	cm	*
	Spurn Head ...	1026·0	46	SSE	3	bcm	1027·4	0	50	+3	WNW	2	–	bcm	3	–	58	43	bcm	bcm	bcm	8·5
	Yarmouth (Gorleston)	1027·4	47	SE	2	b	1027·2	0	46	0	–	0	–	bm	0	–	54	42	bcm	bcm.b	bm	9·8
	Clacton-on-Sea	1026·3	49	E	1	b	1027·6	0	51	+2	–	0	–	be	0	–	53	42	b.bcx	bc.bx	b.bczw	11·8
	Nottingham ...	1025·1	52	W	2	bc	1027·8	*	44	+3	W	1	–	bm	*	–	65	39	bm	bm	bc.b	6·3
	Benson (Oxon.) ...	1024·7	53	–	0	b	1026·9	+1	48	0	–	0	–	bx	*	–	65	37	o.cx	bx	b	*
	Sth Farnborough	1024·3	52	E	1	c	1027·1	+1	44	0	SE	1	–	bmw	*	–	66	35	bm.ox	o.cx	c.bmw	6·3
	London (Kew Obsy.)	1025·3	61	ESE	2	bx	1027·8	+1	45	0	WSW	1	–	b	*	–	64	39	bmw.ox	ox.bx	bm§w.bmw	5·2
NORTHERN EUROPE.	Spitsbergen ...	1024·7	3	–	0	b	1025·5	+1	3	+7	–	0	*	b	*	*	14	−13				
	Vardö	996·3	23	N	3	s	9966	0	28	+2	NNW	3	–	o	4	*	30	25				
	Bodö	1011·0	34	W	1	c	1010·0	0	36	+4	N	2	–	c	2	–	34	28				
	Christiansund ...	1013·8	39	NE	2	b	1013·0	+3	37	+1	E	4	–	b	3	–	41	32				
	Skudesnaes ...	1015·6	43	W	2	p	1013·6	+3	41	0	NW	5	–	f	4	14	41	34				
	Færder (X'tania Fjord)	1014·6	39	SW	4	m	1011·6	−1	39	+2	N	2	–	o	3	Trace	?	37				
	The Scaw (Skagen)	1019·9	43	WSW	3	o	1011·5	−2	45	+2	W	5	–	o	5	Trace	48	41				
	Blaavands Huk	1024·3	43	W	2	o	1021·6	−1	45	+2	W	3	–	o	4	–	48	39				
	Copenhagen ...	1023·8	?50	WNW	2	c	1018·2	−3	46	+5	W	3	–	r	*	1	50	39				
	Bornholm ...	1024·2	39	SSW	3	b	1017·4	−2	39	0	W	4	–	r	1	–	43	37				
FRANCE, &c.	The Helder ...	1026·1	50	NW	1	b	1026·8	0	46	+1	WSW	2	NW	b	2	–	52	41				
	C. Gris Nez ...	1028·0	53	ENE	2	b	1019·9	+1	47	0	NE	3	*	b	2	–	54	45				
	La Hève	1022·8	61	NE	3	m	1024·6	*	50	+3	ENE	3	*	m	2	–	66	46				
	Brest (St. Mathieu)	1023·4	63	NE	5	b	1024·2	0	52	0	ENE	5	*	b	2	–	70	48				
	Rochefort (Ile d'Aix)	1018·0	68	NE	3	bc	1019·1	0	55	−1	ENE	3	*	o	*	–	72	54				
	Biarritz	1016·7	67	NNE	2	c	1017·4	0	56	+1	WSW	2	*	m	1	–	64	52				
	Paris	1020·8	66	NNE	4	b	1023·9	+1	55	+3	NE	2	–	b	*	–	72	48				
	Belfort	1019·1	63	E	6	b	1022·8	*	55	−1	E	6	*	m	*	–	72	46				
	Lyons	1017·1	64	NNW	2	bc	1018·6	*	386	+2	NNW	2	*	bc	*	–	70	51				
	Nice	1016·7	61	E	6	b	1016·7	+2	65	+7	E	6	*	c	6	Trace	70	50				
	Perpignan ...	1018·4	?	N	?	?	1018·2	+2	56	+2	SW	1	E	r	*	8	64	34				
	Sanguinaire ...	*					*	*														
SOUTHERN STATIONS.	Corunna	1018·0	63	NNE	4	b	1016·8	0	57	0	NNE	2	NE	bc	2	–	63	52				
	Madrid	1012·3	57	–	0	tlr	1015·4	+1	57	+3	–	0	–	r	*	9	70	52				
	Lisbon	1012·3	68	NW	3	c	1013·2	0	57	−2	–	0	–	o	1	–	66	55				
	Azores (Horta) ...	1016·4	*	SW	5	m	1011·4	−2	61	0	SSW	6	*	f	3	7	64	61				
	Madeira	1017·4	63	N	4	o	1018·4	−1	67	0	N	4	–	c	4	–	66	57				
	Gibraltar	1013·9	60	E	4	o	1013·5	*	60	+1	E	3	*	o	2	–	61	58				
	Malta	*	*	*	*	*	1018·8	+2	61	0	SE	3	–	m	2	–	64	59				
	Limassol	*	*	*	*	*	1015·4	+1	70	−8	W	1	–	b	2	–	75	45				
	Alexandria ...	1018·3	64	NNE	3	bc	1018·8	+1	64	0	N	3	N	b	2	–	73	61				
	Cairo (Helwan) ...	1016·2	68	N	3	b	1017·5	+1	63	+4	N	2	–	b	*	–	75	54				

GALES.
Duration and Extreme Force in British Islands.

NAIRN,

Squalls: W, 8, 1st, Afternoon.

LONDON OBSERVATIONS.	Humidity: 15 h. 1st	Humidity: 9 h. 2nd	Sunshine for 1st	24 Hours ended 9 h. 2nd: Temperature: Max.	Temperature: Min.	Temperature: Min. on Grass.	Rainfall.	Weather: Morning.	Weather: Afternoon.	Weather: Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	55	66	7·1	67	38	27	–	b	b.c	bzx
CITY (Bunhill Row)	*	*	6.1	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	47	60	3.0	65	41	39	–	bcm	bc o	bc.bm
CAMDEN SQ. (British Rainfall) ...	50	50	6·9	68	40	36	–	b	o.bc	*
HAMPSTEAD (Reservoir)	*	57	8·6	63	45	29	–	bc	bcm	bcm
S. KENSINGTON (Museum Grounds)	*	48	1·5	64	46	33	*	bm.c	cz	b.bz

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during 1st.

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
848	16.0	48.

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

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

Issue No. 20251 DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. { Thursday 3rd MAY

YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON Wednesday 2nd MAY 1917.

The day was fine over the whole country with more than 10 hours of sunshine generally. Temperature just touched 70° at South Farnborough and Ross-on-Wye, but did not exceed 55° at some coast stations.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR Wednesday 2nd MAY UP TO 17 H.

	STATIONS.	Sunshine for 1st May	Rainfall. Night. 17h-9h.	Rainfall. Day. 9h-17h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 17 h. 2nd May
			Mm.	Mm.	°F.	°F.			Hr.
Scotland.	Oban	5·1	–	–	52	45	bcb	–	6·0
	Banff	0·2	–	–	58	48	oc	ob	3·6
	Montrose	0·1	*	*	67	46	b	b	7·2
	St. Andrews	–	–	–	66	48	c	b	7·1
	Carnoustie	*	*	*	67	52	bcc	b	7·3
Eng. N.E.	Harrogate	11·2	–	–	66	42	b	b	11·4
	Skegness	10·9	–	–	62	42	b	b	10·2
Eng. N.W.	Morecambe	11·8	–	–	57	41	–	–	11·0
	Southport	11·4	–	–	57	40	b	b	11·0
Midlands.	Leamington Spa								
	Malvern		–	–	69	46	b	b	10·5
	Ross-on-Wye	10·7	–	–	70	37	b	b	10·2
Wales.	Rhyl	10·4	–	–	55	39	bc	b	11·0
	Colwyn Bay	*	*	*	55	41	bc	bc	
	Llandudno	*	*	*	60	43	bbb	–	11·5
	Aberystwyth	*	*	*	54	40	cbb	bcc	11·5

	STATIONS.	Sunshine for 1st May	Rainfall. Night. 17h-9h.	Rainfall. Day. 9h-17h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 17 h. 2nd May
			Mm.	Mm.	°F.	°F.			Hr.
England. E.	Lowestoft	11·7	–	–	56	43	bc	bc	9·5
	Felixstowe	12·3	–	–	55	40	bcm	bcm	11·0
	Walton-on-Naze	12·0	–	–	54	41	bbzb	bbz	10·8
	Southend-on-Sea	11·9	–	–	62	43	b	b	10·3
England, S.E.	Margate	11·5	–	–	59	43	b	b	10·5
	Hastings	12·9	*	*	63	46	b	b	11·4
	Eastbourne	12·4	–	–	59	43	b	b	11·1
	Seaford	12·2	–	–	68	43	b	b	11·4
	Brighton	12·1	–	–	66	47	b	b	10·7
	Worthing	12·4	–	–	65	42	b	b	11·2
	Littlehampton	–	–	–	63	44	b	b	11·5
	Bognor		–	–	65	44	b	b	13·0
	Bournemouth	12·1	*	*	67	40	b	b	12·3
England, S.W.	Weymouth	*	*	*	67	41	zb	bz	11·0
	Torquay	12·5	–	–	64	44	b	b	11·3
	Paignton								
	Penzance	12·9	–	–	65	47	b	b	11·2
	Newquay	11·3	–	–	65	40	b	b	10·6
	Bude	–	–	–	67	38	b	b	10·8
	Ilfracombe		–	–	59	43	b	b	10·7
	Weston-s-Mare	10·5	*	*	67	43	b	bz	10·6

REPORTS FROM FOREIGN STATIONS FOR Wednesday 2nd MAY

	STATIONS.	Evening of 1st May. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	Morning of 2nd May. Barometer. Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb.	Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			F.					‡	F.	F.					F	F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel	1004·0	32	SW	3	c	1002·6	−3	32	+7	SW	2	b	0	*	25
	Gorki	1024·3	32	–	0	b	1024·6	–	34	−2	W	1	b	0	*	48
	Velieki Luki	1022·0	34	SW	3	bc									*	
	Hangö	1002·4	34	W	2	c	1010·9	−3	34	+2	WSW	2	bc	0	*	32
	Riga	1021·9	37	SW	1	b	1016·3	−4	37	+1	SW	2	0	1	*	34
	Petrograd	1013·9	34	W	3	b	1010·6	−7	34	+2	SW	4	b	0	41	30
	Moscow	1021·1	34	WNW	2	b	1022·7		34	−5	WSW	2	b	1	*	28
	Kiev														*	
	Kharkov														*	
	Kishinev														*	
	Elisabetgrad						1025·1	+3	41	−9	F	3	r	6	*	41
	Nicolaiev							*							*	
	Odessa						1022·0	+1	50	0	WSW	2	0	0	*	46
	Tarkhankout							*							*	
	Soukhoum														*	
Mediterranean.	Venice	1022·1	57	–	0	c	1023·9	*	54	−5	NE	1	c	0	63	52
	Pesaro						1019·9	*	61	+2	E	2	0	0	70	59
	Rome	1019·4	59	NE	1	0	1019·8	*	59	0	NE	1	0	2	66	57
	Viesti	1021·4	59	–	0	0	1023·3	*	57	−2	NW	1	bc	1	64	55
	Brindisi	1021·3	59	WSW	1	0	1021·3	*	59	+5	SE	1	0	0	66	54
	Cagliari	1011·9	66	ENE	5	0	1011·9	*	63	+2	ENE	4	0	0	70	55
	Palermo	1016·0	70	–	0	0	1016·3	*	68	+7	–	0	0	0	81	59
	Tripoli						1014·5	*	72	+4	SE	1	0	1	?	66
	Algiers															
Sweden.	Hernösand	1012·6	36	W	4	bc	1008·8	*	34	0	W	2	b	*	*	*
	Stockholm	1016·8	43	SW	2	bc	1009·6	*	37	+2	NW	2	0	*	*	*
	Wisby	1017·5	41	SW	4	b	1008·6	*	37	0	WSW	2	b	*	*	*

ICELAND.	Morning of 2nd May. Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather
		F	F			
Isafjord	1016·2	34	+2	NE	7	0
Reykjavik	1011·2	32	0	E	4	bc
Vestmanna						
Seydisfjörd	1014·6	34	+2	–	0	c
Thorshavn	1014·8	41	+2	SE	3	r

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

3rd and 4th May 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4·20 / 4·19	11·50 / 11·50	7·20 / 7·22
Greenwich	4·31 / 4·29	11·57 / 11·57	7·23 / 7·25
Wick	4·16 / 4·14	12·9 / 12·9	8·2 / 8·4
Valencia	6·10 / 5·8	12·38 / 12·38	8·6 / 8·8

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar-frost; z. dust-haze, or smoke.

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‡ The barometric change is expressed in half-millibars.

THE MORNING OF Thursday, 3rd MAY, 1917.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.

FORECAST DISTRICTS.

GENERAL INFERENCE

Anticyclonic conditions will continue in all except the extreme North.

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 ¼ clouded. ◑ sky ½ clouded. ◍ sky ¾ clouded. ⊕ overcast sky. ● rain falling. ✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤ thunder. ⊼ thunderstorm.

SEA DISTURBANCE.—Rough ~~ High ≈≈.

HIGH 1025 mb. 30·27 in. 30·12 in. 1020 mb 1015 mb. 29·97 in.

LOW 1010 mb 29·83 in.

Barometer Rising Slightly

Bar. steady

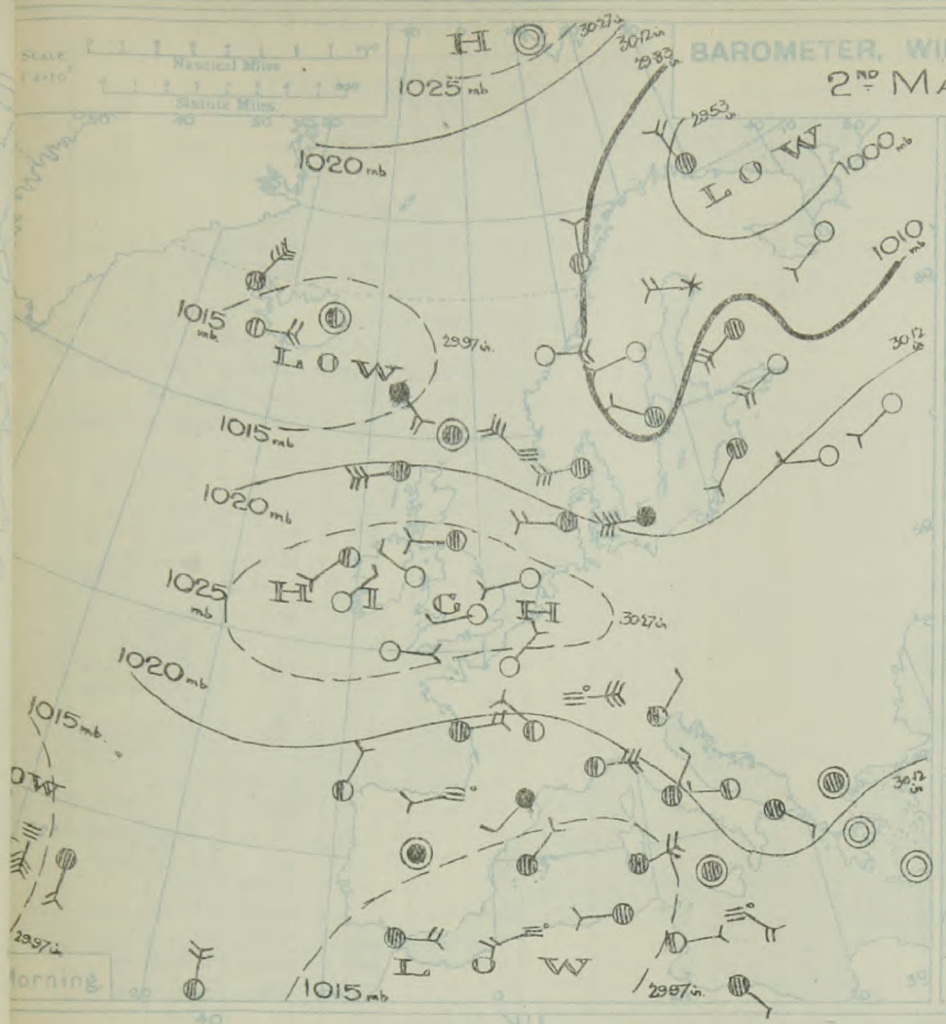
1015 mb 1020 mb 1025 mb 40° 50° 60°

LOW 1010 mb 61 29·83 in.

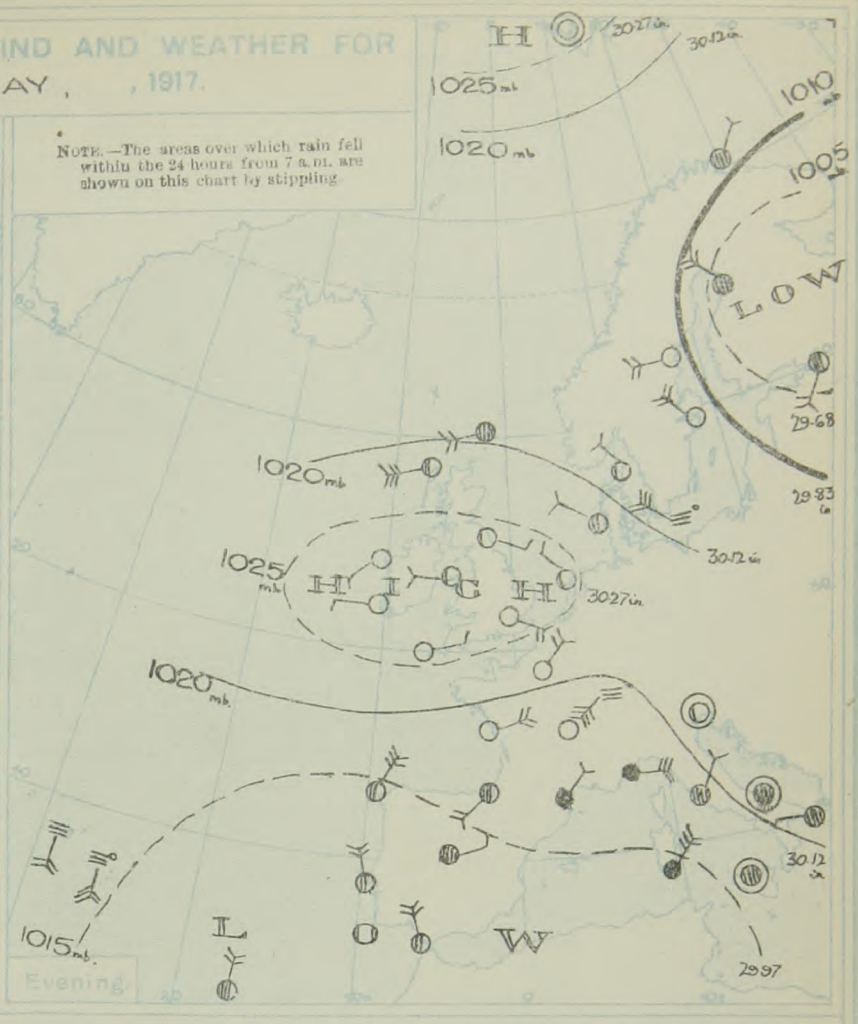
Scale 1 : 2 × 10⁶
Nautical Miles
Statute Miles

Normal Temperature of the Sea
Below 40° 40–50° 50–60° Above 60°
Scale of Tints for MAY.

BAROMETER, WIND AND WEATHER FOR 2ND MAY, , 1917.



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

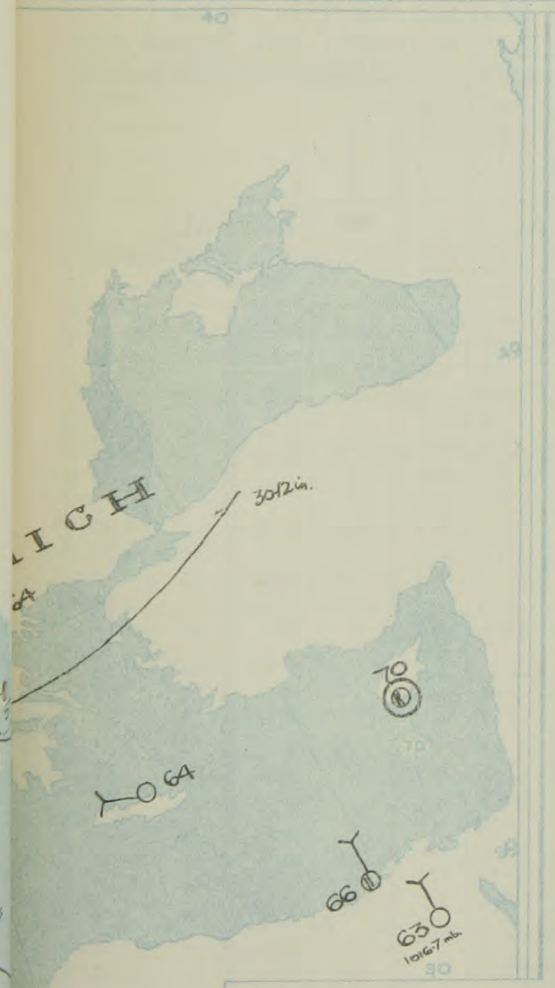


FORECASTS NOON THURSDAY TO NOON FRIDAY

0 (a, b), 1 } Moderate SW. or W. winds, dull, some showers. Moderate temperature.

2 (a, b), 3, 4 (a, b, c), 5, 6 (a, b), 7 (a, b), 8 (a, b), 9 (a, b), 10 (a, b) } Light winds, indefinite in direction; fine weather, but some mist. Rather warm in day.

11 Moderate E. winds. Slight sea; fine.



FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division.

NAPIER SHAW, Director.

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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 123. Thursday, 3rd MAY.

	STATIONS	EVENING OF 2nd: Baron. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	MORNING OF 3rd: Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours. ‡	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	24 HOURS ENDED 7 A.M.: Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for 2nd. Hours.
BRITISH ISLANDS.	Lerwick ...	1014·7	47	WSW	4	om	1023·0	0	47	+5	WSW	3	–	om	3	2	47	43	omd	om	om	*
	Deerness (Orkney)	1022·7	50	WSW	5	o	1025·4	*	47	0	SW	3	–	o	2	–	54	45	o.c	c.o	o	4·4
	Stornoway ...	1023·8	52	WSW	6	bcq	1025·7	+1	51	+1	SW	2	–	c	2	–	55	48	o.bcq	bcq	c	2·3
	Castlebay (Barra Isd.)																					
	Glasgow ...	1026·4	55	W	3	c	1028·9	+1	43	-4	SE	1	–	bz	*	–	58	39	o.c.o	c	c bc bx	3·8
	Eskdalemuir ...	1026·2	57	WNW	4	b	1029·3	+1	42	-4	–	0	–	b	*	–	63	30	o.c	c.bc.b	b.bx.b	11·5
	Malin Head ...	1026·8	52	NW	3	bcm	1027·7	*	46	-2	S	2	–	b	2	–	55	43	bcm	bcm	bm	11·8
	Blacksod Point	1026·7	53	SW	2	bz	1026·9	0	49	0	ESE	1	–	bc	2	0·2	56	44	bc	bz	bc.bcw	*
	Valencia (Cahirciveen)	1026·7	56	W	1	b	1026·5	0	45	+3	–	0	–	bzw	3	–	57	39	bz	bz	bzw	13·6
	Roche's Point	1027·4	54	SE	1	bz	1027·5	*	46	0	NNW	1	–	b	1	0·1	55	46	bz.b	bz	bzw	*
	Birr Castle ...	1026·0	64	NNW	1	c	1028·7	*	48	+6	SSE	1	–	b	*	–	66	40	cf	c.bc	b	8·4
	Donaghadee ...	1026·1	56	SE	3	bcm	1028·1	+1	51	+4	SE	1	–	bm	1	Trace	59	44	bcm	bcm	bm	*
	Liverpool (Bidston)	1027·5	54	WNW	1	b	1028·5	0	49	-1	SSE	1	–	bm	0	–	59	45	b	b	bmx	12·8
	Holyhead ...	1027·8	52	W	2	bm	1027·1	0	48	+1	E	3	–	b	2	–	54	45	bm	bm	bmw	12·7
	Pembroke (St. Ann's)	1026·5	58	NNE	2	b	1027·3	+3	49	0	ESE	3	–	b	1	–	63	46	b	b	b	12·2
	Scilly (St. Mary's)	1026·4	57	ENE	1	bm	1026·0	0	53	+1	E	3	–	bm	3	–	61	49	bm	bm	bm	12·8
	Falmouth ...	1025·1	59	ENE	1	bz	1025·6	+2	54	+2	NE	1	–	b	*	–	63	49	b	b	b	12·7
	Jersey (St. Aubin)	1022·8	63	ENE	4	b	1023·2	*	54	-1	NE	4	–	b	3	–	67	51	b	b	b	12·5
	Portland Bill ...	1025·0	57	E	2	b	1025·6	+1	51	-3	ENE	3	–	b	2	–	60	49	b	b	b	*
	Dungeness ...	1025·2	50	NE	4	b	1026·2	0	49	0	NE	4	–	b	3	–	56	45	b	b	b.bc	*
	Dover	1027·1	56	NE	4	b	1027·1	+2	56	0	NE	4	–	b	3	–	64	44	b	bc	b	12·9
	Wick	1013·0	65	W	3	c	1026·3	+1	48	-2	W	2	–	c	4	2	59	42	omg	omzg	czbcc	*
	Nairn	1023·8	57	W	3	bc	1026·6	*	52	+2	–	0	–	b	0	–	62	43	cg.bc	bc	bc	6·1
	Aberdeen ...	1024·6	53	ESE	2	b	1027·6	+2	50	-2	W	1	–	b	2	–	61	41	o.c.bc	bc.b	bw	7·8
	Leith	1023·8	60	W	1	b	1028·2	+1	47	-2	W	1	–	b	1	–	62	41	oz.bc.b	b	b.bm.b	*
	Tynemouth ...	1025·1	53	ESE	1	bm	1028·9	+2	48	-1	W	1	–	bcm	3	–	65	44	c	bcm	bcm	*
	Spurn Head ...	1027·1	49	E	3	bcm	1029·6	+1	48	-2	SSE	2	–	bcm	2	–	62	44	bcm	bcm	bcm	4·5
	Yarmouth (Gorleston)	1026·9	49	–	0	bc	1029·2	+3	48	+2	–	0	–	bm	0	–	57	41	bcm	bcm	bm	10·1
	Clacton-on-Sea	1026·7	51	E	2	bc	1028·9	+2	50	-1	E	2	–	bc	2	–	55	43	bcx	bcz	bcxw	11·1
	Nottingham ...	1025·8	64	NE	2	bc	1029·0	*	44	0	E	1	–	bm	*	–	69	37	bm	bm	b	6·7
	Benson (Oxon.) ...	1024·9	66	NE	1	b	1027·4	+2	47	-1	–	0	SE	bz	*	–	69	37	bz	b	bc	*
	Sth Farnborough	1024·2	65	ENE	2	bc	1027·3	+1	49	+5	E	2	SE	bcmw	*	–	70	37	b.bcz	bcz	bc of bcmw	10·0
	London (Kew Obsy.)	1025·1	65	ESE	3	bz	1028·4	+3	50	+5	ENE	1	E	bcm	*	–	69	41	bmw.bcz	bcx.bz	bz.bcm	9·0
NORTHERN EUROPE.	Spitsbergen ...	1026·2	5	–	0	b	1026·4	0	-2	-5	–	0	*	b	*	*	14	-13				
	Vardö	1010·3	30	NE	2	o	1016·7	+3	30	+2	–	0	–	b	2	*	32	25				
	Bodö																					
	Christiansund ...																					
	Skudesnaes ..																					
	Færder (X'tania Fjord)	1018·4	41	SW	2	bc	1025·9	+3	41	+2	–	0	–	c	1	–	45	37				
	The Scaw (Skagen)	1017·8	48	NW	2	b	1025·2	+4	45	0	NW	2	–	b	2	–	48	34				
	Blaavands Huk	1023·1	45	NW	2	bc	1029·0	+2	43	-2	N	2	–	f	*	–	43	39				
	Copenhagen ...	1016·7	48	NNW	4	c	1025·5	+3	45	-1	NW	2	–	b	*	Trace	55	39				
	Bornholm ...	1016·6	43	NW	5	m	1025·5	+5	43	+4	WSW	1	–	m	0	Trace	45	37				
FRANCE, &c.	The Helder ...	1026·4	50	NW	1	b	1029·2	+2	46	0	NE	1	E	b	1	–	52	43				
	C. Gris Nez ...	1025·1	51	ENE	4	b	1026·6	+2	50	+3	E	3	*	b	1	–	55	43				
	La Hève	1023·6	59	NE	4	m	1023·5	*	53	+3	ENE	4	*	m	2	–	72	50				
	Brest (St. Mathieu)	1021·4	66	NE	4	b	1022·4	+2	59	+4	E	4	*	b	2	–	73	52				
	Rochefort (Ile d'Aix)	1016·3	72	ENE	4	b	1018·4	+1	58	+3	SE	2	*	bc	*	–	82	64				
	Biarritz	1016·0	69	SW	3	c	1016·4	+1	55	-1	E	2	*	o	1	–	68	62				
	Paris	1020·8	70	NNE	4	b	1023·0	+2	57	+2	NE	2	–	b	*	–	75	48				
	Belfort	1019·2	66	SW	6	m	1021·9	*	56	+1	E	6	*	m	*	–	71	47				
	Lyons							*					*		*							
	Nice	1018·7	61	E	5	p	1018·3	+2	59	-6	S	1	*	p	3	1	70					
	Perpignan ...	1018·4	57	NE	2	p	1017·1	+1	56	0	NE	2	SE	p	*	–	61	52				
	Sanguinaire ...	*					*	*					*									
SOUTHERN STATIONS.	Corunna	1014·3	64	NNE	5	bc	1017·1	+2	59	+2	–	0	W	b	1	–	66	50				
	Madrid	1014·0	57	ENE	1	o	1015·9	+1	58	+1	NE	1	–	o	*	6	59	52				
	Lisbon	1013·2	?	NNW	4	bc	1015·5	+2	59	+2	NW	2	–	b	5	–	70	55				
	Azores (Horta) ...	1011·9	*	S	4	f	1006·6	+2	61	0	–	0	*	p	3	5	66	59				
	Madeira	1018·2	63	N	4	c	1019·4	0	59	+2	NE	3	–	bc	3	–	63	57				
	Gibraltar	1013·9	62	NW	4	bc	1013·9	*	61	+1	NW	2	*	bc	1	–	69	58				
	Malta	*	*	*	*	*	1016·6	-1	63	+2	SE	6	–	m	4	–	66	61				
	Limassol	*	*	*	*	*	1015·4	+1	70	0	–	0	–	b	2	–	75	46				
	Alexandria ...	1017·5	64	N	3	b	1017·6	+1	66	+2	N	2	N	bc	1	–	73	61				
	Cairo (Helwan) ...	1015·9	70	N	4	b	1016·7	+1	63	0	N	2	–	b	*	–	79	55				

LONDON OBSERVATIONS.

	Humidity. 15 h. 2nd %	Humidity. 9 h. 3rd %	Sunshine for 2nd Hours.	24 Hours ended 9 h. 3rd. Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
GREENWICH (Royal Observatory)	43	62	9.1	71	40	28	–	b	bz	b
CITY (Bunhill Row)	*	*	4.9	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	40	59	6.4	71	47	44	–	bm	b	b
CAMDEN SQ. (British Rainfall) ..	39	56	8.4	75	43	38	–	b	b.bc	*
HAMPSTEAD (Reservoir)	*	58	11.4	63	43	32	–	bc	b	b
S. KENSINGTON (Museum Grounds)	*	58	7.0	71	46	35	–	bz.b	bcx.	bz.bc

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during 2nd.

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
1388	26 0	55.5

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

RAINFALL.

Equivalents of Millimetres in Inches.

mm.	Inches.	mm.	Inches.
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·10
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69
19	0·75	44	1·73
20	0·79	45	1·77
21	0·83	46	1·81
22	0·87	47	1·85
23	0·91	48	1·89
24	0·95	49	1·93
25	0·98	50	1·97

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

Issue No. 20252 **DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917.** { Friday 4th May

YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON Thursday 3rd May. 1917.

The day was rainless over the whole country and the weather bright with more than 10 hours of sunshine in all parts. Temperature reached 71° at Valencia, Birr Castle and Weston-super-Mare.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR Thursday 3rd May UP TO 17 H.

	STATIONS.	Sunshine for 2nd May	Rainfall. Night. 17h-9h.	Rainfall. Day. 9h-17h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 17 h. 3rd May
			Mm.	Mm.	°F.	°F.			Hr.
Scotland.	Oban	6·0	–	–	60	40	b	b	12·2
	Banff	4·8	–	–	58	41	b	b	10·7
	Montrose	7·2	*	*	67	35	b	b	13·8
	St. Andrews								
	Carnoustie	*	*	*	65	48	b	b	12·0
Eng. N.E.	Harrogate	12·7	–	–	68	40	b	b,bc,c.	7·7
	Skegness	10·6	–	–	53	42	b	bc	9·8
Eng. N.W.	Morecambe	13·0	–	–	66	38	–	–	11·5
	Southport	12·7	–	–	63	37	b,bcz	b,bcz	9·0
Midlands.	Leamington Spa								
	Malvern	11·6	–	–	68	46	b	b	10·3
	Ross-on-Wye	11·2	–	–	69	39	b	b	9·0
Wales.	Rhyl	13·2	–	–	61	38	bc,c.	b,bc.	9·9
	Colwyn Bay	*	*	*	58	40	bc	bc	10·5
	Llandudno	*	*	*	58	40	b	b	10·5
	Aberystwyth	*	*	*	60	48	c,b.	b,bc	11·0
England. E.	Lowestoft	14·5	–	–	51	43	b,bc.	bc	11·4
	Felixstowe	12·0	–	–	52	38	bm	bc	12·0
	Walton-on-Naze	12·6	–	–	51	41	b.z.b	b.z	11·4
	Southend-on-Sea	11·4	–	–	60	42	b	b	11·0
England, S.E.	Margate	10·9	–	–	51	44	b.	c.bc	9·2
	Hastings	12·7	*	*	62	46	b	b	11·7
	Eastbourne	12·5	–	–	58	44	b	b	10·5
	Seaford	12·1	–	–	68	42	b	b	10·8
	Brighton	12·0	–	–	70	48	b.c.b	b	10·3
	Worthing	12·4	–	–	69	47	b	b	11·0
	Littlehampton	*	–	–	68	45	–	–	12·0
	Bognor								
	Bournemouth	12·6	*	*	67	41	b	b	12·3
England, S.W.	Weymouth	*	*	*	64	48	z.b	b.z	11·0
	Torquay	12·6	–	–	63	48	b	b	11·5
	Paignton	11·9							
	Penzance	13·0	–	–	64	49	b	b	11·3
	Newquay	11·7	–	–	66	45	b	b	10·6
	Bude								
	Ilfracombe	12·0	–	–	63	45	b.z	b.z	10·5
	Weston-s-Mare	10·5	*	*	71	46	b	b	10·5

REPORTS FROM FOREIGN STATIONS FOR Thursday 3rd MAY

	STATIONS.	Evening of 2nd May. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	Morning of 3rd May. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					‡	°F.	°F.					F	F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel	1002·4	34	ESE	2	0	1002·3	+1	34	+2	SE	3	0	0	*	28
	Gorki														*	
	Velieki Luki	1003·5	39	SW	3	x	1007·7	*	36	+2	W	4	c	9	*	?
	Hangö						1013·5	+3	36	+2	NNW	5	bc	0	*	30
	Riga						1014·7	+3	37	0	WNW	4	0	9	*	34
	Petrograd	1003·4	36	SW	3	c	1003·4	0	32	−2	NW	3	0	1	45	30
	Moscow						1005·2	−6	39	+5	SSE	5	x	–	*	34
	Kiev	1019·3	48	SW	4	0	1011·9	−2	43		NNW	4	c	3	*	43
	Kharkov	1021·7	43	SE	2	b	1015·4	−5	45		SW	2	0	0	*	36
	Kishinev														*	
	Elisabetgrad	1022·3	43	ESE	1	0									*	
	Nicolaiev							*							*	
	Odessa	1022·1	54	ESE	1	0									*	
	Tarkhankout							*							*	
	Soukhoum														*	
Mediterranean.	Venice	1021·8	63	–	0	b	1021·4	*	59	+5	NE	1	bc	0	70	54
	Pesaro						1022·3	*	57	−4		0	0	0	63	54
	Rome	1019·1	63	NE	2	0	1019·4	*	63	+4	NE	1	0	0	68	51
	Viesti	1022·6	59	–	0	0	1022·6	*	61	+4	–	0	0	0	64	55
	Brindisi	1020·3	57	NW	1	0	1021·3	*	57	−2	NW	1	c	0	63	55
	Cagliari	1013·1	66	NE	5	x	1013·1	*	64	+1	ENE	5	m	4	72	55
	Palermo	1015·4	70	–	0	0	1016·1	*	70	+2	NE	1	0	0	89	54
	Tripoli						1011·9	*	70	−2	E	2	0	0	95	68
	Algiers	1011·1	61	ESE	3	tlr	1011·4	+2	59	0	–	0	tlr	5	72	57
Sweden.	Hernösand	1011·1	41	W	4	b	1019·9	*	37	+3	NE	2	c	*	*	*
	Stockholm	1012·6	45	NNW	4	b	1020·4	*	39	+2	NE	2	0	*	*	*
	Wisby	1012·0	36	–	0	bc	1019·3	*	36	−1	NW	4	b	*	*	*

Morning of 3rd May. ICELAND.	Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather
		°F	°F			
Isafjord	1011·0	34	0	E	2	0
Reykjavik	1011·0	34	+2	S	2	b
Vestmanna						
Seydisfjord	1008·8	34	0	SW	8.	s
Thorshavn	1014·8	47	+6	W	5	m

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

4th and 5th May 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4·19 / 4·18	11·50 / 11·50	7·20 / 7·22
Greenwich	4·29 / 4·28	11·57 / 11·57	7·25 / 7·26
Wick	4·14 / 4·12	12·9 / 12·9	8·4 / 8·6
Valencia	5·8 / 5·6	12·38 / 12·38	8·8 / 8·9

Note.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; v. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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‡ The barometric change is expressed in half-millibars.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.

THE MORNING OF FRIDAY, 4TH MAY, 1917.

GENERAL INFERENCE

No material change from present conditions is anticipated.

FORECAST DISTRICTS.

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. Isothermas shown by dotted lines.

WEATHER.—Shown by the following symbols:—
◯ clear sky. ◔ sky ¼ clouded. ◑ sky ½ clouded. ◕ sky ¾ clouded. ● overcast sky ☂ rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤ thunder. ⊤ₛ thunderstorm.

SEA DISTURBANCE.—Rough ~~~ High ≈≈≈

HIGH
LOW
1025 mb
1020 mb
1015 mb
1010 mb
30·27 in.
30·12 in.
29·83 in.
29·97 in.
falling
Barometer
slowly
in
most
places
HIGH
LOW
HIGH
32°
40°
50°
60°
70°

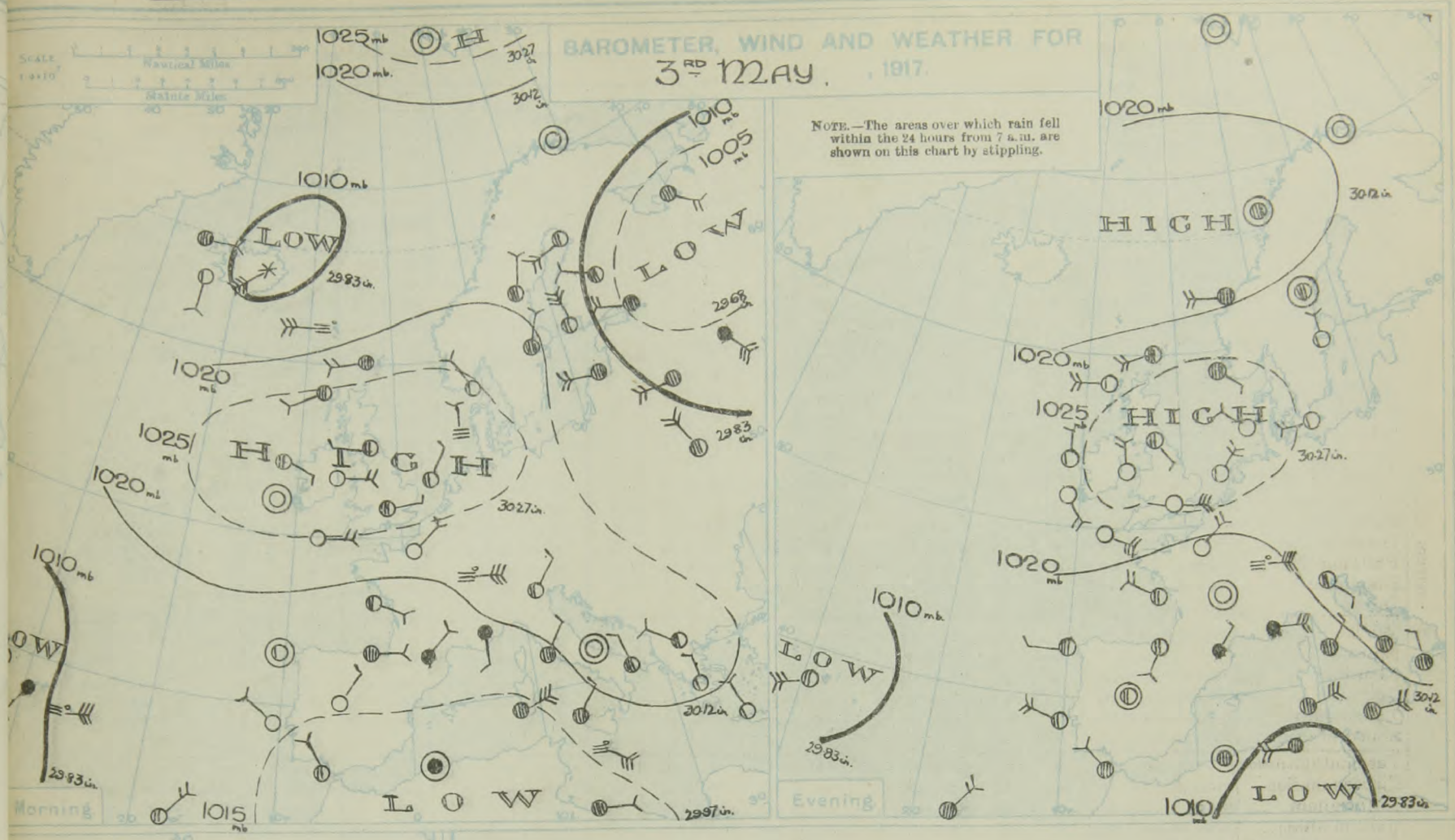
Scale 1 : 2·40
Nautical Miles
Statute Miles

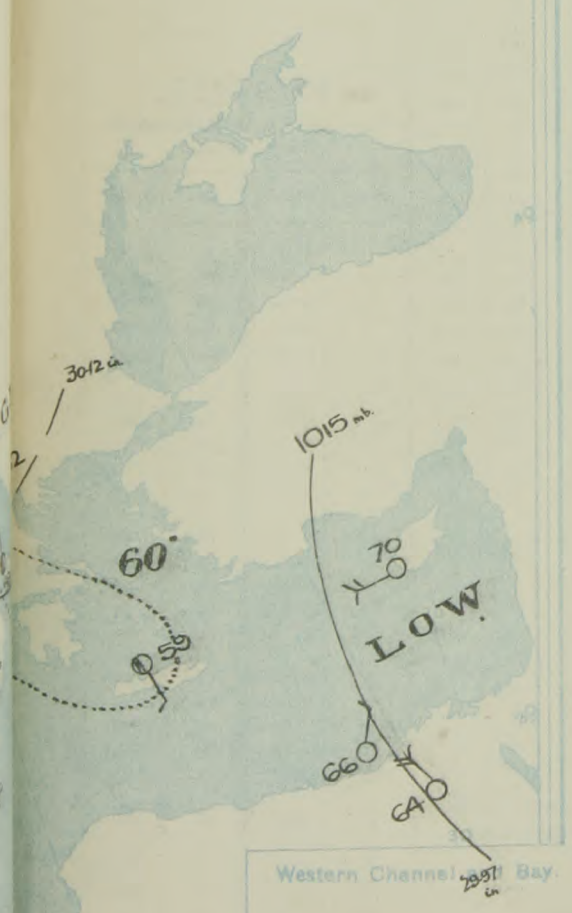
Normal Temperature of the Sea
Below 40° | 40°-50° | 50°-60° | Above 60°

Scale of Tints for MAY.

AB

BAROMETER, WIND AND WEATHER FOR 3RD MAY, 1917.





FORECASTS NOON FRIDAY TO NOON SATURDAY

1 } Light or moderate SW. winds; fair weather.
2a } Moderate temperature.

2b } Light winds indefinite in direction; fine.
Moderate temperature, rather warm in day.

3 }
4a } Moderate E. winds, then decreasing; fine
4b } weather. Moderate temperature.
4c }
5 }

6a } Same as Nos. 1 and 2
6b }
7a }
7b }

8a } Same as Nos. 3,4, and 5
8b }

9a } Same as Nos. 1 and 2
9b }
10a }
10b }

11 Light or moderate E. winds; smooth sea; fine.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 124. Friday, 4th MAY

	STATIONS.	EVENING OF 3rd. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12.	Weather.	MORNING OF 4th. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	24 HOURS ENDED 7 A.M. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for 3rd.
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1024·1	49	WSW	4	c	1021·0	-1	49	+2	WSW	2	W	bc	2	-	52	47	0.c	c	bc	*
	Deerness (Orkney)	1025·0	54	W	3	b	1022·0	*	50	+3	GSW	1	-	bc	1	-	55	42	0.c	c.bc.b	bw	6·3
	Stornoway ...	1024·8	55	W	4	b	1022·1	-1	48	-3	WSW	2	-	bcz	2	-	59	41	c.bc	bc.b	b.bcz	9·3
	Castlebay (Barra Isd.)																					
	Glasgow ...	1025·8	63	W	2	b	1024·4	-1	44	+1	ESE	1	-	bcz	*	-	65	40	bz	b	b.bczx	9·7
	Eskdalemuir ...	1025·0	65	S	1	b	1024·8	0	44	+2	—	0	—	bzw	*	-	67	36	b	b	bz	13·7
	Malin Head ...	1025·7	52	NNW	2	bz	1023·3	*	52	+6	NW	1	-	bz	1	-	57	45	bcm	bz	bz	13·3
	Blacksod Point	1024·5	60	N	1	bz	1024·4	-2	55	+6	S	1	*	bz	1	-	64	48	bz	bz	bcz.bz	*
	Valencia (Cahirciveen)	1023·6	65	SSE	3	bz	1021·6	-2	47	+2	ENE	1	-	bz	2	-	71	42	c.bc.cz	c.bz	bz	10·5
	Roche's Point	1026·0	58	ESE	2	bz	1022·7	*	48	+2	N	1	-	bz	1	0·1	61	45	bz	bz	bzw	*
	Birr Castle ...	1024·3	65	ENE	1	m	1023·6	*	44	+4	E	1	-	m	*	-	71	40	z	z	z	13·4
	Donaghadee ...	1025·5	56	SE	2	bm	1023·5	-1	49	-2	NW	1	-	bm	1	-	59	46	bz	bz	bm	*
	Liverpool (Bidston)	1025·4	57	NW	1	m	1024·3	0	52	+3	ESE	2	-	b	1	-	64	47	bm	bm	b	6·8
	Holyhead ...	1025·3	65	N	3	bm	1022·9	-1	49	+1	-	0	N	bm	0	-	64	45	bm	bm	bmw	11·8
	Pembroke (St. Ann's)	1026·1	62	-	0	b	1023·1	-2	52	+3	NE	3	-	b	2	-	64	46	bz	bz	b	11·1
	Scilly (St. Mary's)	1023·1	56	ESE	5	bm	1020·5	-2	54	+1	E	3	-	bm	3	-	61	49	bm	bm	bm	12·6
	Falmouth ...	1023·6	58	E	2	b	1019·9	-1	53	-1	NNE	1	-	b	*	-	62	47	b	b	b	13·3
	Jersey (St. Aubin)	1020·6	61	ENE	4	b	1017·4	*	55	+1	NE	3	-	b	3	-	67	50	b	b	b	12·5
	Portland Bill ...	1023·0	53	ENE	3	b	1019·4	-2	52	+1	NE	4	-	b	3	-	56	49	b	b	b	*
	Dungeness ...	1023·5	51	NE	5	bc	1019·5	-1	51	+2	NE	5	-	b	4	-	54	47	bc	bc	e.b	*
	Dover ...	1024·5	51	NNE	5	bc	1021·2	-1	54	-2	N	2	-	b	4	-	59	45	b	b.bc	bc.b	11·0
	Wick	1026·8	48	E	2	b	1022·9	0	50	+2	-	0	-	bc	2	-	55	36	c	c.b	bcm	*
	Nairn	?	61	-	0	b	1023·4	*	51	-1	W	1	-	bz	1	-	66	37	bc.b	b	bcw	11·6
	Aberdeen ...	1026·6	52	SSE	2	b	1023·9	0	50	0	-	0	-	b	1	-	58	40	b	b	bw	14·0
	Leith	1024·9	62	NW	1	b	1024·3	0	47	0	SW	1	-	bm	1	-	68	44	bz.b	b	bz.bm.b	*
	Tynemouth ...	1026·6	49	SSE	1	bcm	1024·8	0	48	0	SW	2	-	bm	2	-	57	45	bm	bcm	bcm	*
	Spurn Head ...	1027·9	47	SE	4	bc	1026·0	-1	47	-1	ESE	2	-	bc	2	-	53	42	bcm	bcm	bc	5·4
	Yarmouth (Gorleston)	1027·5	47	E	2	bc	1024·0	0	48	0	E	3	-	bcm	3	-	53	43	bcm	bcm	bcm	12·0
	Clacton-on-Sea	1026·2	52	E	4	c	1023·0	0	51	+1	ENE	4	E	bc	3	-	54	46	bcz	bc.cz	cz.bc	11·7
	Nottingham ...	1026·2	62	E	3	c	1024·7	*	47	+3	ENE	1	E	bc	*	-	68	41	bm	bc	c.bc	6·5
	Benson (Oxon.) ...	1024·2	64	ENE	2	b	1021·4	0	49	+2	NNE	3	-	b	*	-	68	43	bc	b	bc	*
	Sth Farnborough	1023·8	61	ENE	3	b	1021·1	-1	49	0	ENE	2	-	cmw	*	-	68	45	bcz	bc.b	b.o cmw	11·9
	London (Kew Obsy.)	1025·2	59	E	5	bcz	1022·1	0	50	0	ENE	3	-	bm	*	-	64	47	b.bm.bcz	bcz	bcz.c.bm	11·2
NORTHERN EUROPE.	Spitsbergen ...	1024·8	5	-	c	b	1021·4	-2	-2	0	-	0	*	bc	*	*	12	-11				
	Vardö	1020·2	28	-	0	b	1018·6	-1	32	+2	SW	2	-	o	2	*	34	25				
	Bodö	1018·4	36	-	0	o	1007·1	-8	36	-	ESE	5	-	p	2	?	41	32				
	Christiansund ...	1018·7	46	W	4	o	1019·1	-1	48	-	W	6	-	o	5	2	48	34				
	Skudesnaes ..	1026·2	46	SE	1	o	1024·7	0	50	-	NW	1	-	b	1	-	?50	37				
	Færder (X'tania Fjord)	1022·6	45	WSW	2	bc	1020·6	0	45	+4	-	0	-	b	1	-	45	39				
	The Scaw (Skagen)																					
	Blaavands Huk	1020·1	48	NNW	2	b	1021·4	0	46	+3	WNW	1	NW	bc	*	-	48	39				
	Copenhagen ...	1026·4	54	NNW	3	b	1025·8	-1	50	+5	NW	2	-	b	*	-	55	43				
	Bornholm ...	1024·7	43	W	3	b	1025·4	0	45	+2	WNW	3	-	m	1	-	48	39				
FRANCE, &c.	The Helder ...	1027·8	50	NE	4	b	1024·7	-1	46	0	E	2	-	f	1	-	54	45				
	C. Gris Nez ...	1023·4	49	NE	5	bc	1020·2	-1	53	+3	E	4	*	b	2	-	54	46				
	La Hève	1021·9	58	ENE	4	m	1018·3	*	56	+3	ENE	4	*	m	2	-	72	52				
	Brest (St. Mathieu)	1015·4	64	NE	4	bc	1017·4	-1	54	-5	NNE	2	*	m	2	-	80	50				
	Rochefort (Ile d'Aix)	1015·9	59	NW	3	bc	1015·9	+1	59	+1	S	3	*	c	*	-	75	55				
	Biarritz	1014·2	62	SW	2	bc	1014·2	0	56	+1	E	2	*	c	1	-	68	52				
	Paris	1018·3	73	NE	3	b	1017·1	0	58	+1	E	2	SE	b	*	-	79	50				
	Belfort	1017·2	68	E	1	m	1019·5	*	57	+1	E	4	*	m	*	-	73	48				
	Lyons	1014·2	73	*	0	b	1016·6	*	61	—	—	0	*	b	*	-	78	55				
	Nice	1017·8	59	E	5	r	1018·6	+3	69	+10	E	3	*	o	4	8	70	52				
	Perpignan ...	1017·2	57	NE	1	r	1017·1	0	56	0	NW	1	E	o	2	38	59	54				
	Sanguinaire ...	*					*	*					*		*							
SOUTHERN STATIONS.	Corunna	1014·4	66	W	1	c	1014·3	+1	61	+2	-	0	-	b	1	-	66	50				
	Madrid	1012·0	63	-	0	bc	1013·8	+2	55	-3	E	2	-	o	*	4	66	52				
	Lisbon	1014·2	63	WNW	4	bc	1014·3	0	57	-2	WNW	3	-	b	5	-	70	55				
	Azores (Horta) ...	1008·3	*	SW	5	bc	1011·1	+2	59	-2	WSW	5	*	bc	3	1	66	59				
	Madeira	1018·6	63	NE	3	o	1018·3	-1	59	0	NE	1	-	bc	1	-	83	55				
	Gibraltar	1015·2	62	NW	2	o	1014·9	*	61	0	W	5	*	c	3	4	70	56				
	Malta	*	*	*	*	*	1016·7	+3	63	0	SE	4	-	bc	4	-	64	61				
	Limassol	*	*	*	*	*	1014·3	+1	70	0	W	3	-	b	2	-	75	46				
	Alexandria ...	1016·2	64	N	3	bc	1016·3	0	66	0	NE	1	-	b	0	-	73	61				
	Cairo (Helwan) ...	1013·5	72	NE	3	b	1014·8	+1	64	+1	N	3	NW	b	*	-	79	57				

RAINFALL.

Equivalents of Millimetres in Inches.

mm.	Inches.	mm.	Inches
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·10
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69
19	0·75	44	1·73
20	0·79	45	1·77
21	0·83	46	1·81
22	0·87	47	1·85
23	0·91	48	1·89
24	0·95	49	1·93
25	0·98	50	1·97

LONDON OBSERVATIONS.

	Humidity. 15 h. 3rd	Humidity. 9 h. 4th	Sunshine for 3rd.	24 HOURS ENDED 9 h. 4th. Temperature. Max.	Temperature. Min.	Temperature. Min. on Grass	Rainfall.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	55	73	11·5	65	44	43	—	b	b	b.c. b
CITY (Bunhill Row)	*	*	10.3	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	45	66	11.3	65	47	43	-	bc	bc	bc
CAMDEN SQ. (British Rainfall) ..	39	65	11·0	70	45	41	—	b	b	*
HAMPSTEAD (Reservoir)	*	73	12·5	63	43	35	-	bc	b	bc
S. KENSINGTON (Museum Grounds)	*	69	11.2	66	48	39	-	bc	b	bc

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during 3rd.

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
2048	38·3	72·5

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

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

Issue No. 20253. **DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917.** { Saturday 5th May

YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON Friday 4th May 1917.

The day was again fine with large sunshine measurements over the whole country. Afternoon temperature was very variable, Benson recording a maximum of 74°, while at Spurn Head 52° was not exceeded.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR Friday 4th May UP TO 17 H.

	STATIONS.	Sunshine for 3rd May	Rainfall. Night. 17h-9h.	Rainfall. Day. 9h-17h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 17 h. 3rd May
			Mm.	Mm.	°F.	°F.			Hr.
Scotland.	Oban	8·2	–	–	61	40	b	b	11·0
	Banff	11·6	–	–	63	36	bc.c	bc	10·7
	Montrose	13·8	*	*	63	35	b	b	13·1
	St. Andrews		–	–	68	36	b	bc	10·4
	Carnoustie	*	*	*	67	49	b	b	11·7
E. N.E.	Harrogate	9·8	–	–	69	38	b	b	11·0
	Skegness	9·8	–	–	51	43	bc	bc	11·0
E. N.W.	Morecambe	11·5	–	–	69	45	–	–	10·8
	Southport	9·0	–	–	70	43	b	b	11·0
Midlands.	Leamington Spa								
	Malvern								
	Ross-on-Wye	10·1	–	–	73	39	b	b	11·5
Wales.	Rhyl	10·7	–	–	74	44	b	b	11·8
	Colwyn Bay	*	*	*	60	48	bc	bc	11·0
	Llandudno	*	*	*	68	44	b	b	11·7
	Aberystwyth	*	*	*	65	47	c.b	b.bc	12·0
England, E.	Lowestoft	12·4	–	–	50	42	b.bc	bc	11·7
	Felixstowe	12·2	–	–	57	45	bm	b.bc	12·1
	Walton-on-Naze	11·6	–	–	52	40	b.bz.b	b.bc.b	11·8
	Southend-on-Sea	11·4	–	–	63	45	b	bc.b	10·9
England, S.E.	Margate	9·2	–	–	51	45	b	b	10·0
	Hastings	13·2	–	–	69	46	b	b	11·4
	Eastbourne	12·0	–	–	69	49	b	b	11·7
	Seaford	11·3	–	–	73	49	b	b	11·9
	Brighton	12·0	–	–	74	50	bc	b	11·5
	Worthing	12·9	–	–	74	49	b	b	12·0
	Littlehampton		–	–	72	46	b	b	12·0
	Bognor								
	Bournemouth	13·1	–	–	72	45	b	b	12·6
England, S.W.	Weymouth	*	*	*	70	49	zb	bz	12·0
	Torquay	12·9	–	–	68	47	b	b	11·6
	Paignton								
	Penzance	13·1	–	–	64	51	b	b	11·5
	Newquay	12·2	–	–	65	46	b	b	11·2
	Bude		–	–	75	43	b	b	11·8
	Ilfracombe	12·4	–	–	69	45	b	b	11·3
	Weston-s-Mare	11·5	–	–	74	44	b	b	11·5

REPORTS FROM FOREIGN STATIONS FOR Friday 4th May

	STATIONS.	Evening of 3rd May: Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	Morning of 4th May: Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			F.					‡	°F.	°F.					°F	°F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel	1006·5	37	NNE	5	n	1006·2	+1	37	+3	NE	3	0	6	*	34
	Gorki	1015·9	37	–	0	0									*	
	Velieki Luki						1017·0	*	37	+1	W	4	bc	0	*	30
	Hangö	1019·8	36	NNW	5	bc	1022·2	+1	32	−4	–	0	bc		*	27
	Riga	1022·2	36	ESE	2	b	1023·1	+2	39	+2	WNW	2	b	0	*	34
	Petrograd	1010·6	36	NW	4	bc	1011·6	+2	37	+5	NW	4	b	1	39	30
	Moscow	1006·0	34	NW	3	c	1010·6	+3	34	−5	SW	4	b	10	*	28
	Kiev	1020·0	45	NE	3	0	1021·1	+1	45	+2	WNW	3	0	0	*	41
	Kharkov	1017·4	41	W	1	0									*	
	Kishinev														*	
	Elisabetgrad	1019·0	46	NNW	1	0	1021·1	+1	45	−3	NW	2	c	0	*	41
	Nicolaiev	1018·2	52	–	0	c	1021·2	*	48	−4	–	0	b	2	*	41
	Odessa	1019·6	52	N	2	n	1022·2	+3	46	−6	NE	2	b	1	*	43
	Tarkhankout	1020·2	52	–	0	0		*							*	
	Soukhoum														*	
Mediterranean.	Venice	1020·9	64	SE	1	bc	1022·1	*	64	+5	NE	1	bc	0	73	57
	Pesaro	1021·8	61	NE	1	c	1021·9	*	63	+6	N	1	b	0	66	55
	Rome	1018·1	68	NE	1	0	1016·5	*	68	+5	NE	3	bc	0	77	63
	Viesti	1021·5	61	–	0	0	1021·9	*	64	+3	–	0	TL	0	68	57
	Brindisi	1020·7	59	N	1	c	1020·5	*	57	0	NW	1	bc	0	61	57
	Cagliari	1011·8	68	ENE	5	0	1011·8	*	61	−3	ESE	4	0	3	70	54
	Palermo	1014·9	72	E	4	0	1012·7	*	75	+5	ENE	2	bc	0	75	59
	Tripoli						1010·3	*	79	+9	–	0	0	0	79	70
	Algiers	1012·2	59	–	0	0	1012·7	+2	59	0	WSW	2	0	10	64	57
Sweden.	Hernösand	1021·0	41	–	0	c	1019·5?	*	39	+2	–	0	0	*	*	*
	Stockholm	1022·3	45	N	2	b	1021·0	*	45	+6	S.S	2	0	*	*	*
	Wisby	1020·2	39	–	0	b	1019·7	*	46	+10	W	2	c	*	*	*

Iceland.	Morning of 4th May: Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather
		°F	°F			
Isafjord	1028·6	30	−4	NE	3	c
Reykjavik	1024·2	34	0	NNE	4	b
Vestmanna						
Seydisfjord	1023·4	32	−2	N	4	5
Thorshavn	1016·8	43	−4	–	0	0

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

5th and 6th May 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4·18	11·50	7·22
	4·16	11·50	7·24
Greenwich	4·28	11·57	7·26
	4·26	11·57	7·28
Wick	4·12	12·9	8·6
	4·10	12·9	8·8
Valencia	5·6	12·38	8·9
	5·5	12·38	8·10

Note.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar-frost; z. dust-haze, or smoke.

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‡ The barometric change is expressed in half-millibars.

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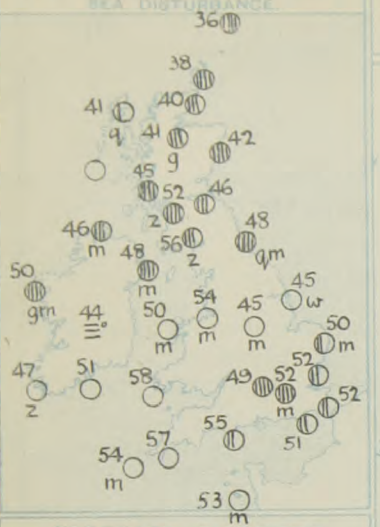
THE MORNING OF SATURDAY, 5TH MAY, 1917.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.



FORECAST DISTRICTS.

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 ◯

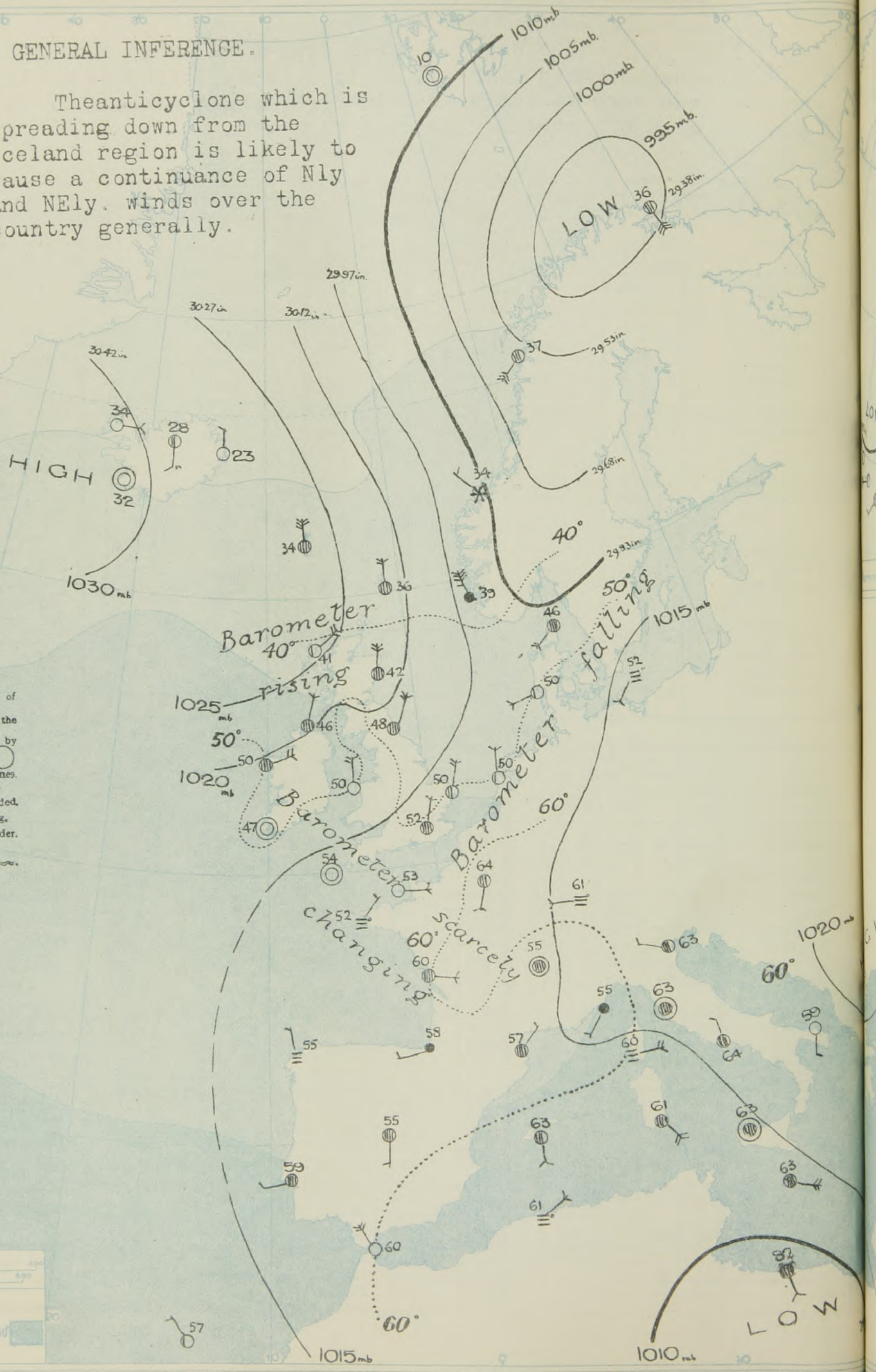
TEMPERATURE.—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

WEATHER.—Shown by the following symbols :—
◯ clear sky. ◔ sky ¼ clouded. ◑ sky ½ clouded.
◕ sky ¾ clouded. ● overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤, thunder.
⚡, thunderstorm.

SEA DISTURBANCE.—Rough ~~~ High ≈≈.

GENERAL INFERENCE.

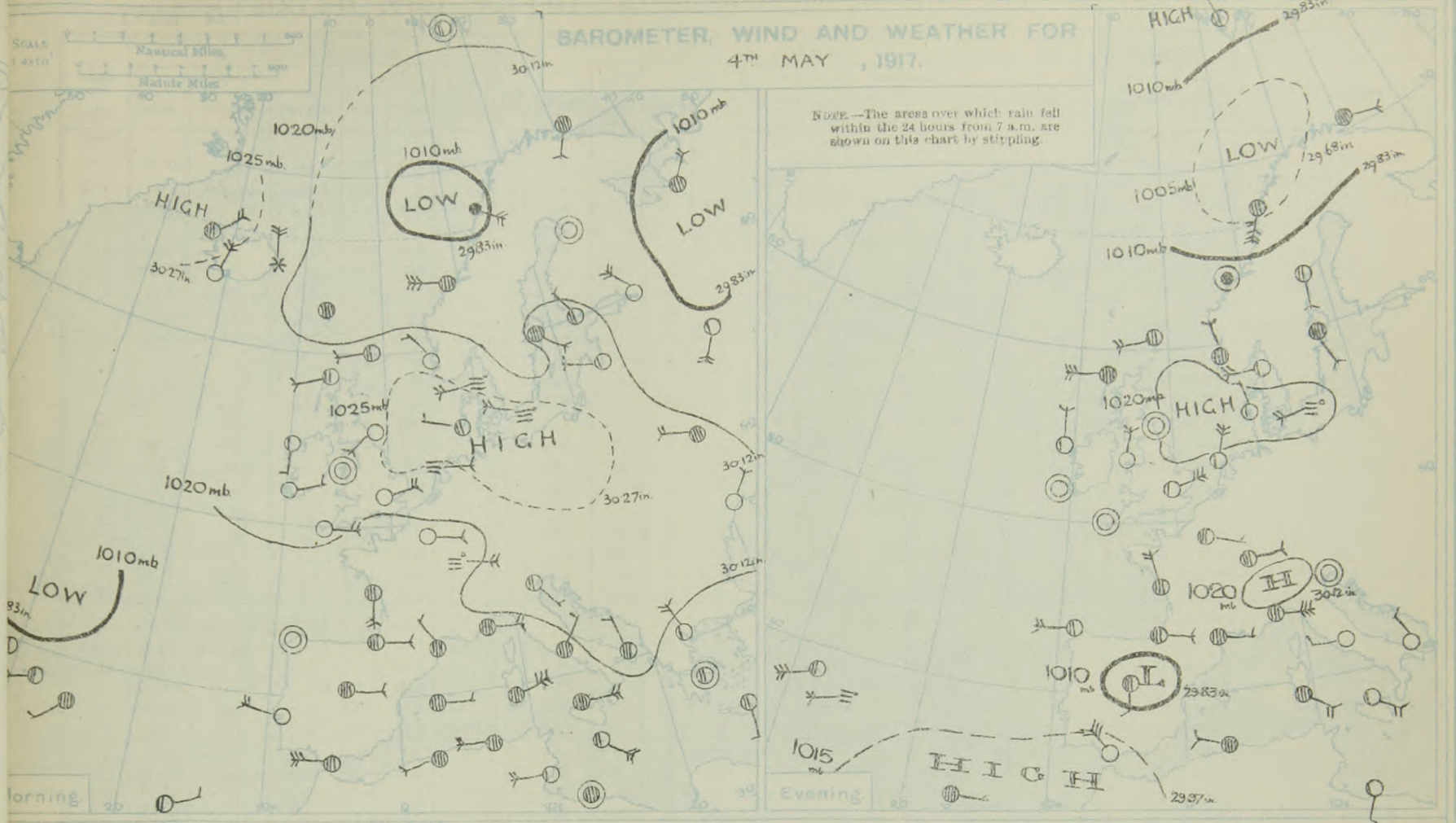
Theanticyclone which is spreading down from the Iceland region is likely to cause a continuance of Nly and NEly. winds over the country generally.



Normal Temperature of the Sea.

Below 40° | 40-50° | 50-60° | Above 60°

Scale of Tints for MAY.



Forecasts for Noon Saturday to Noon Sunday.

0 b

1

2 a b

3

4 a b c

5

6 a b

7 a b

8 a b

9 a b

10 a b

Moderate N. or NE. winds; fair weather with some haze. Temperature moderate to rather cool.

Light or moderate winds from between E. and NE.; slight sea; fair or fine.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 125 {Saturday, 5th MAY

	STATIONS	EVENING OF 4th: Barom. Millibars at M.S.L.	Temp. °F.	Wind: Direc.	Wind: Force 0–12.	Weather.	MORNING OF 5th: Barometer: Millibars at M.S.L.	Barometer: Change in 3 hours. ‡	Temp.: Dry Bulb. °F.	Temp.: Change in 24 hours. °F.	Wind: Direc.	Wind: Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	24 HOURS ENDED 7 A.M.: Rainfall. Millimetres.	Temp.: Max. °F.	Temp.: Min. °F.	Weather.: Morning.	Weather.: Afternoon.	Weather.: Night.	Sunshine for 4th Hours.
BRITISH ISLANDS.	Lerwick ...	1015·1	50	WSW	3	cm	1021·5	+3	36	−13	N	3	−	c	3	5	53	36	bc	bc	or.c	*
	Deerness (Orkney)	1016·2	51	SSW	3	cm	1023·0	*	38	−12	N	5	−	c	3	−	61	37	b.bc	bc.cm	c	11·2
	Stornoway ...	1017·6	55	W	5	cq	1025·6	+3	41	−7	NE	4	−	bq	4	0·2	62	37	bcz.c	c.cq	cdp bq	4·0
	Castlebay (Barra Isd.)																					
	Glasgow ...	1018·8	67	WNW	2	b	1018·3	+1	52	+8	ENE	1	W	cz	*	−	69	43	bcz.b	b	b.bcc	9·5
	Eskdalemuir ...	1019·3	65	WSW	3	bz	1017·7	+1	56	+12	N	3	SW	cz	*	−	68	40	bz	bz	bz.bc.c	11·5
	Malin Head ...	1019·4	58	ENE	1	bz	1020·9	*	46	−6	NNE	3	N	cm	3	−	60	45	bz	bz	fe	12·3
	Blacksod Point	1019·3	57	N	2	bz	1019·2	+2	50	−5	ENE	3	−	cmg	2	−	64	48	bz	bz	bm.cm.c	*
	Valencia (Cahirciveen)	1018·7	68	−	0	bz	1016·6	0	47	0	−	0	−	bz	2	−	64	43	bz	bz	bz	12·7
	Roche's Point	1018·9	58	S	1	b	1016·6	*	51	+3	NW	2	−	b	2	0·1	61	45	bz.b	b	bzw	*
	Birr Castle ...	1018·8	60	NE	1	m	1018·6	*	44	0	NE	1	−	m	*	−	71	39	z	z	z	13·2
	Donaghadee ...	1019·1	58	NNE	1	bm	1018·1	+2	48	−1	NW	2	−	cm	1	−	61	47	bm	bm	bm.cm	*
	Liverpool (Bidston)	1017·9	62	NNW	1	b	1016·2	b	54	+2	−	0	−	bm	1	−	72	49	b	b	bm	12·7
	Holyhead ...	1018·1	55	NNE	3	bm	1016·0	−1	50	+1	N	3	−	bm	2	−	70	46	bm	bm	bmw	11·9
	Pembroke (St. Ann's)	1017·0	62	N	2	b	1015·6	+1	58	+6	NE	2	−	b	1	−	66	50	b	b	b	13·0
	Scilly (St. Mary's)	1017·1	57	−	0	bm	1014·5	−1	56	0	−	0	−	bm	3	−	63	50	bm	bm	bm	12·9
	Falmouth ...	1016·3	60	ESE	1	bz	1013·5	−1	57	+4	NNW	1	−	b	*	−	64	52	b	b	b	13·0
	Jersey (St. Aubin)	1014·1	65	NE	3	b	1012·4	*	53	−2	E	2	−	bm	1	−	72	47	b	b	bm	12·5
	Portland Bill ...	1016·1	58	−	0	b	1013·2	0	55	+3	ENE	3	SE	bc	2	−	63	51	b	b	b.bc	*
	Dungeness ...	1015·2	54	NE	4	b	1012·3	+1	51	0	NNE	2	−	bc	1	−	60	47	bc	c.b	b.bc	*
	Dover	1016·4	57	NNE	6	b	1011·2	0	52	−2	NW	4	NW	bc	2	−	62	41	b	b	bc	12·6
	Wick	1016·8	48	S	1	c	1023·5	+5	40	−10	N	4	N	c	4	−	60	38	bcmz	bcz.c	c.cmq	*
	Nairn	1017·3	64	W	2	cz	1023·6	*	41	−10	NE	3	−	cg	4	3	68	38	b.bcz	bc.cz	cqp	6·5
	Aberdeen ...	1019·2	51	SE	2	c	1022·2	+4	42	−8	N	4	−	c	2	−	64	40	bc.b	bc.cm	c.bcw	9·0
	Leith	1018·1	54	E	1	b	1020·6	+3	46	−1	E	2	E	c	3	−	68	45	bm.b	bz.b	bz.bc	*
	Tynemouth ...	1019·6	48	−	0	bm	1018·5	?	48	0	NNE	3	−	cmq	3	−	57	45	bm	bm	bcm	*
	Spurn Head ...	1022·9	49	ESE	1	b	1016·6	−1	45	−2	N	1	−	bw	2	Trace	52	45	bc	bc	b	7·2
	Yarmouth (Gorleston)	1018·2	49	NE	3	bc	1013·9	0	50	+2	NNE	3	−	bcm	2	−	53	45	bcm	bcm	bcm	12·7
	Clacton-on-Sea	1017·7	57	ENE	4	bc	1013·8	0	52	+1	NNE	2	NW	bc	2	−	59	47	bcz	bcz	bc.b.bc	13·4
	Nottingham ...	1018·7	63	E	3	b	1016·0	*	45	−2	SW	1	−	bm	*	−	71	37	bc.b	b	b	10·8
	Benson (Oxon.) ...	1016·3	70	E	3	b	1014·6	0	49	+2	NNE	2	−	c	*	−	74	40	b	b	b.bc	*
	Sth Farnborough	1015·9	65	E	3	b	1013·4	0	53	+4	NNE	2	SE	cz	*	−	73	43	bz	bz	b.c.cz	10·4
	London (Kew Obsy.)	1016·1	66	ENE	6	b	1014·2	0	52	+2	NNE	2	E	cm	*	−	70	49	bm.bz	bz.bcz.b	b.bm.cm	12·2
NORTHERN EUROPE.	Spitsbergen ...	1014·4	5	NNW	1	bc	1010·2	0	10	+12	−	0	*	b	*	*	10	−4				
	Vardö	1007·4	30	SE	2	c	994·3	−3	36	+4	S	6	−	c	3	*	32	27				
	Bodö	1001·4	39	SSW	7	c	1000·4	0	37	+1	SW	5	SW	c	4	?	41	32				
	Christiansund ...	1013·8	37	−	0	r	1010·2	?−1	34	+14	NW	1	−	s	4	27	50	32				
	Skudesnaes ..	1018·8	45	NNW	2	c	1012·3	−4	39	−11	NNW	7	−	r	3	4	54	37				
	Færder (X'tiania Fjord)	1016·6	45	SW	2	c	1007·1	−5	43	−2	SW	6	−	m	3	−	46	41				
	The Scaw (Skagen)	1019·6	46	W	3	b	1012·0	−3	46	+5	SW	3	−	o	3	−	52	39				
	Blaavands Huk	1022·7	50	NNW	1	b	1014·4	−5	50	+4	SE	2	−	b	*	−	52	34				
	Copenhagen ...	1021·1	59	NW	3	c	1014·8	−4	52	+2	SW	1	−	m	*	−	63	45				
	Bornholm ...	1021·0	45	WSW	3	m	1016·0	−3	52	+1	SW	2	−	m	0	−	52	39				
FRANCE, &c.	The Helder ...	1019·0	54	NNE	4	b	1012·7	−1	50	+4	N	2	SW	b	1	−	57	50				
	C. Gris Nez ...	1015·4	58	E	4	b	1012·8	+1	50	−3	NE	3	*	bc	1	−	57	46				
	La Hève	1015·0	68	ENE	2	m	1013·0	*	57	+1	SE	3	*	m	1	−	75	55				
	Brest (St. Mathieu)	1014·6	72	NE	3	b	1013·2	−1	52	−2	NE	1	*	m	2	−	79	50				
	Rochefort (Ile d'Aix)	1011·4	62	NNW	3	c	1011·6	0	60	+1	ESE	2	*	o	*	−	73	57				
	Biarritz	1010·6	62	E	2	c	1010·3	0	58	+2	WSW	1	*	r	0	7	73	55				
	Paris	1013·9	72	ESE	1	c	1014·0	+1	64	+6	SSW	2	−	c	*	Trace	80	54				
	Belfort	1016·0	67	E	2	c	1015·2	*	61	+4	W	2	*	m	*	−	84	50				
	Lyons	1018·4	62	S	5	tlr	1014·7	*	55	−6	−	0	*	c	*	15	79	53				
	Nice	1014·2	69	E	6	c	1016·2	+1	55	−14	SW	1	*	r	4	1	73	54				
	Perpignan ...	1013·5	59	E	1	o	1012·7	0	57	+1	NE	1	−	o	*	Trace	66	54				
	Sanguinaire ...	1013·2	73	ESE	3	m	1014·0	*	60	−	E	3	*	f	3	2	77	55				
SOUTHERN STATIONS.	Corunna	1012·8	59	W	3	bc	1013·8	+1	55	−6	NNW	1	−	f	1	−	64	52				
	Madrid	1008·7	66	S	1	c	1012·4	+2	55	0	S	1	−	o	*	6	66	52				
	Lisbon																					
	Azores (Horta) ..	1013·2	*	WSW	5	bc									*							
	Madeira	1017·4	63	E	1	o	1017·1	0	57	−2	NW	1	−	b	1	−	63	57				
	Gibraltar	1015·6	61	NW	5	b	1014·5	*	60	−1	NW	4	*	b	3	−	71	58				
	Malta	*	*	*	*	*	1014·4	−1	63	0	ESE	4	−	o	4	−	66	61				
	Limassol	*	*	*	*	*	1012·8	+1	73	+3	W	1	−	b	0	−	75	48				
	Alexandria ...	1016·4	64	NNE	3	bc	1015·4	0	66	0	N	2	−	b	1	−	73	63				
	Cairo (Helwan) ...	1014·8	70	N	3	b	1013·0	+1	64	0	N	2	−	b	*	−	82	54				

LONDON OBSERVATIONS.

	Humidity. 15 h. 4th	Humidity. 9 h. 5th	Sunshine for 4th.	24 Hours ended 9 h. 5th. Temperature. Max.	Min.	Min. on Grass.	Rainfall.	Weather. Morning.	Afternoon.	Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	50	75	12.1	71	47	35	−	b	b	b.c
CITY (Bunhill Row)	*	*	11.3	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)			12.0							
CAMDEN SQ. (British Rainfall) ..	39	63	11·8	76	48	43	−	b	b	*
HAMPSTEAD (Reservoir)	*	71	12.9	70	44	35	−	bc	b	c
S. KENSINGTON (Museum Grounds)	*	70	12.3	72	50	41	−	b.bc	b	b.bc

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during 4th.

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
2063	38·3	73

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

RAINFALL

Equivalents of Millimetres in Inches.

mm.	Inches	mm.	Inches.
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·10
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69
19	0·75	44	1·73
20	0·79	45	1·77
21	0·83	46	1·81
22	0·87	47	1·85
23	0·91	48	1·89
24	0·95	49	1·93
25	0·98	50	1·97

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

Issue No. 20,254 DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. Sunday 6th MAY.

YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON Saturday, 5th MAY, 1917.

Temperature rose to about 70° over England by about midday, but fell very rapidly towards evening as the wind became stronger from the north-eastward. The weather continued rainless and the air dry, and in many parts of the Kingdom the sunshine records were large.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR Saturday, 5th MAY ..... UP TO 17 H.

	STATIONS.	Sunshine for 4th	Rainfall. Night. 17h-9h.	Rainfall. Day. 9h-17h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 17 h. 5th
			Mm.	Mm.	°F.	°F.			Hr.
Scotland.	Oban	11·9	–	–	53	45	o. bc	b	6·6
	Banff	10·7	3	–	59	39	bc	bc.c	2·9
	Montrose	13·1	–	–	63	38	bc	b	4·2
	St. Andrews								
	Carnoustie	*	*	*	?	38	or. c	c. b	3·7
Eng. N.E.	Harrogate	12·4	–	–	47	42	o	c.o	2·7
	Skegness	*	–	–	58	36	b	o	5·7
Eng. N.W.	Morecambe								
	Southport	12·3	–	–	64	45	bc.o	o.c.o	5·8
Midlands.	Leamington Spa								
	Malvern								
	Ross-on-Wye	13·5	–	–	73	41	b	b	12·0
Wales.	Rhyl								
	Colwyn Bay	*	*	*					
	Llandudno	*	*	*	61	45	b.bc	c	6·3
	Aberystwyth	*	*	*	67	48	c. bv	c.o	8·7

	STATIONS.	Sunshine for 4th	Rainfall. Night. 17h-9h.	Rainfall. Day. 9h-17h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 17 h. 5th
			Mm.	Mm.	°F.	°F.			Hr.
England, E.	Lowestoft								
	Felixstowe	13·6	–	1	59	45	bc.c	bcp	2·2
	Walton-on-Naze								
	Southend-on-Sea	12·4	–	–	62	44	o	o.c.bc	0·7
England, S.E.	Margate	11·5	–	–	51	48	bc	bc	5·6
	Hastings	12·7	–	–	68	52	o.bc.b	b.bc	4·1
	Eastbourne	13·1	–	–	65	53	x	x	2·9
	Seaford	12·7	–	–	70	51	c	c	2·3
	Brighton	12·4	–	–	70	53	c	c	3·1
	Worthing	12·8	–	–	68	53	–	bc	5·3
	Littlehampton	*	–	–	66	50	–	–	4·5
	Bognor	*	–	–	67	44	cg	bcgu	3·2
	Bournemouth	13·1	–	–	71	49	c. b	bc	9·0
England, S.W.	Weymouth		*	*					
	Torquay								
	Paignton								
	Penzance	13·4	–	–	69	50	b	b	12·0
	Newquay								
	Bude	13·3	–	–	76	47	b	b	10·5
	Ilfracombe								
	Weston-s-Mare								

REPORTS FROM FOREIGN STATIONS FOR Saturday, 5th MAY .....

	STATIONS.	Evening of 4th: Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	Morning of 5th: Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					‡	°F.	°F.					°F	°F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel	1007·9	34	N	2	bc	1011·8	+5	30	–7	NW	3	o	–	*	27
	Gorki						1024·6	*	34		–	0	b	–	*	28
	Velieki Luki	1021·5	36	SW	2	b	1022·9	*	41	+4	S	2	b	–	*	30
	Hangö	1019·4	36	–	0	b	1012·8	–5	37	+5	SSW	4	b	–	*	27
	Riga	1021·1	43	–	0	c	1017·1	+3	48	+9	SSW	1	b	–	*	39
	Petrograd	1017·4	36	WNW	3	b	1017·9	–1	37	0	SW	2	o	–	46	32
	Moscow	1017·5	36	WNW	2	o	1021·2	+4	36	+2	WNW	3	o	–	!	32
	Kiev	1021·5	48	WNW	3	r	1025·6	+2	39	–6	N	2	b	–	*	32
	Kharkov	1020·2	39	N	1	o	1021·7	+2	37		NNE	3	o	7	*	36
	Kishinev	1022·3	48	–	0	b	1024·4	+2	43		NW	3	b	–	*	39
	Elisabetgrad	1021·3	48	ENE	2	r	1023·7	+3	39	–6	NNE	4	b	!	*	36
	Nicolaiev	1021·6	48	–	0	b	1022·4	*	45	–3	NE	4	b	–	*	41
	Odessa														*	
	Tarkhankout	1023·3	50	NW	3	b		*							*	
	Soukhoum														*	
Mediterranean.	Venice	1019·9	61	–	0	b	1019·1	*	63	–1	WNW	1	c	–	68	57
	Pesaro	1019·8	59	–	0	b	1018·3	*	59	–4	–	0	o	–	65	52
	Rome	1017·5	66	–	0	b	1017·3	*	64	–4	N	1	o	–	82	59
	Viesti	1019·9	66	–	0	c	1018·7	*	63	–1	–	0	o	–	75	57
	Brindisi	1012·9	57	NW	1	b	1018·7	*	59	+2	SSW	1	b	–	66	57
	Cagliari	1013·1	70	ESE	5	o	1011·8	*	61	0	ESE	4	o	3	70	54
	Palermo	1013·5	77	ESE	3	b	1014·5	*	63	–12	–	0	o	–	81	61
	Tripoli	1010·2	77	S	1	b	1006·7	*	82	–3	S	2	o	–	89	68
	Algiers	1013·3	61	WNW	2	o	1013·5	+1	61	+2	NE	2	m	?	66	55
Sweden.	Hernösand	1014·8	43	S	2	bc	1002·1	*	39	0	N	2	c	*	*	*
	Stockholm	1016·2	50	SSE	2	o	1008·0	*	50	+5	W	2	o	*	*	*
	Wisby	1015·1	54	SSE	2	b	1010·0	*	48	+2	W	4	b	*	*	*

Morning of 5th

ICELAND.	Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather
		°F	°F			
Isafjord	1031·9	34	+4	E	2	b
Reykjavik	1031·8	32	–2	–	0	b
Vestmanna						
Seydisfjord	1029·9	23	–9	N	1	b
Thorshavn	1026·3	34	–9	N	S	o

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

6th and 7th MAY, 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4.16 / 4.14	11.50 / 11.49	7.24 / 7.25
Greenwich	4.26 / 4.24	11.57 / 11.56	7.28 / 7.29
Wick	4.10 / 4.7	12.9 / 12.8	8.8 / 8.10
Valencia	5.5 / 5.3	12.38 / 12.37	8.10 / 8.11

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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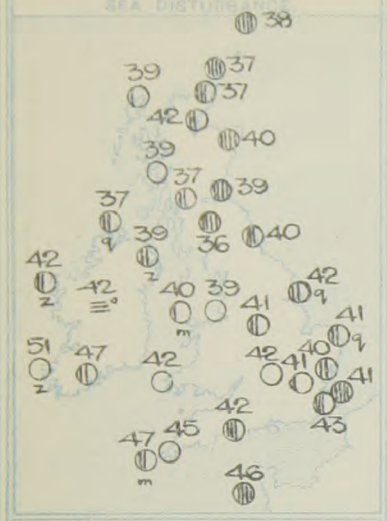
‡ The barometric change is expressed in half-millibars.

THE MORNING OF Sunday, 6TH MAY, 1917.

TEMPERATURE WEATHER AND SEA DISTURBANCE

FORECAST DISTRICTS.



General Inference

The anticyclone over Scotland will move slowly southwards.

EXPLANATION.

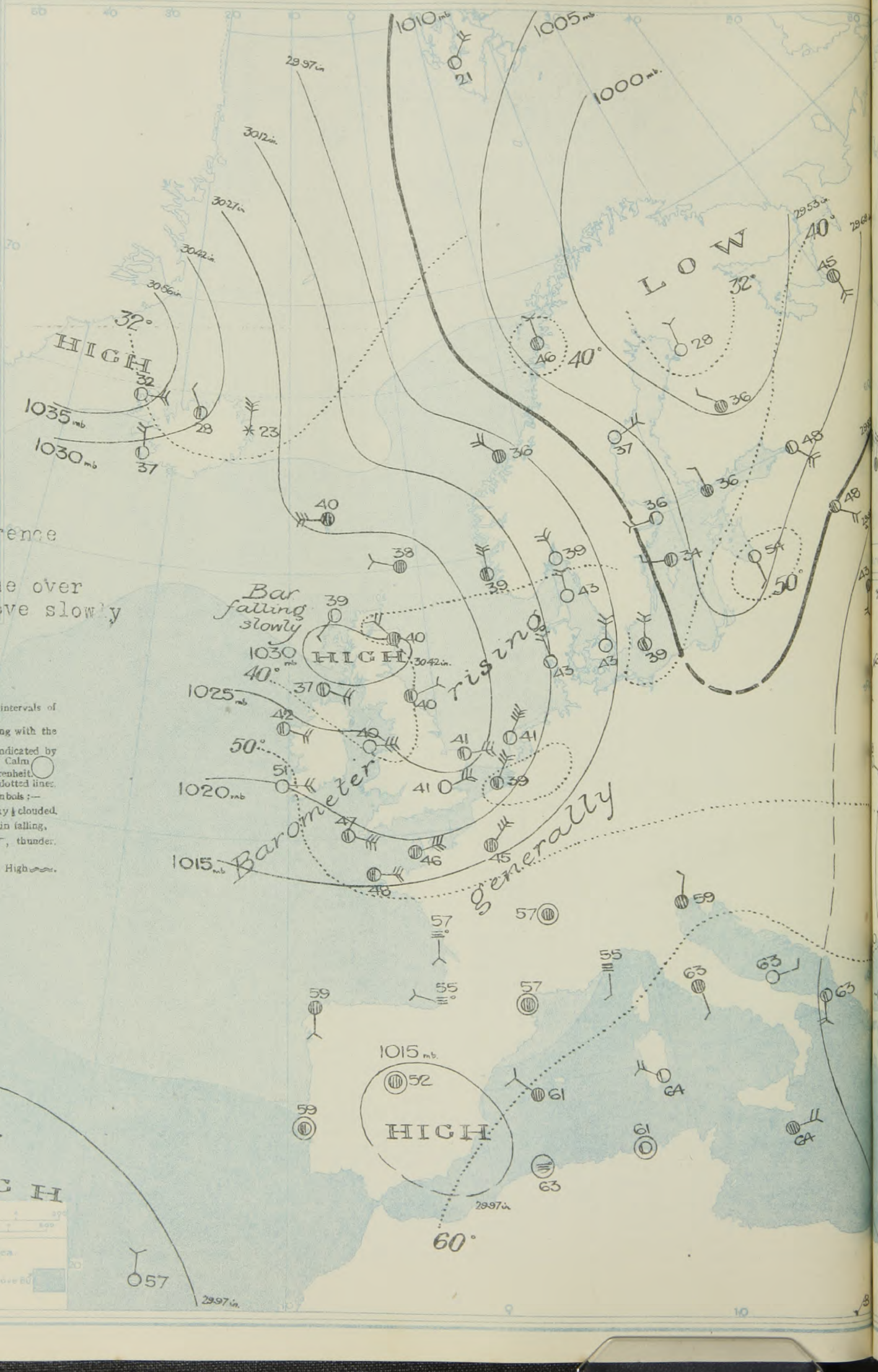
BAROMETER.—Isobars are drawn for intervals of five millibars.

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

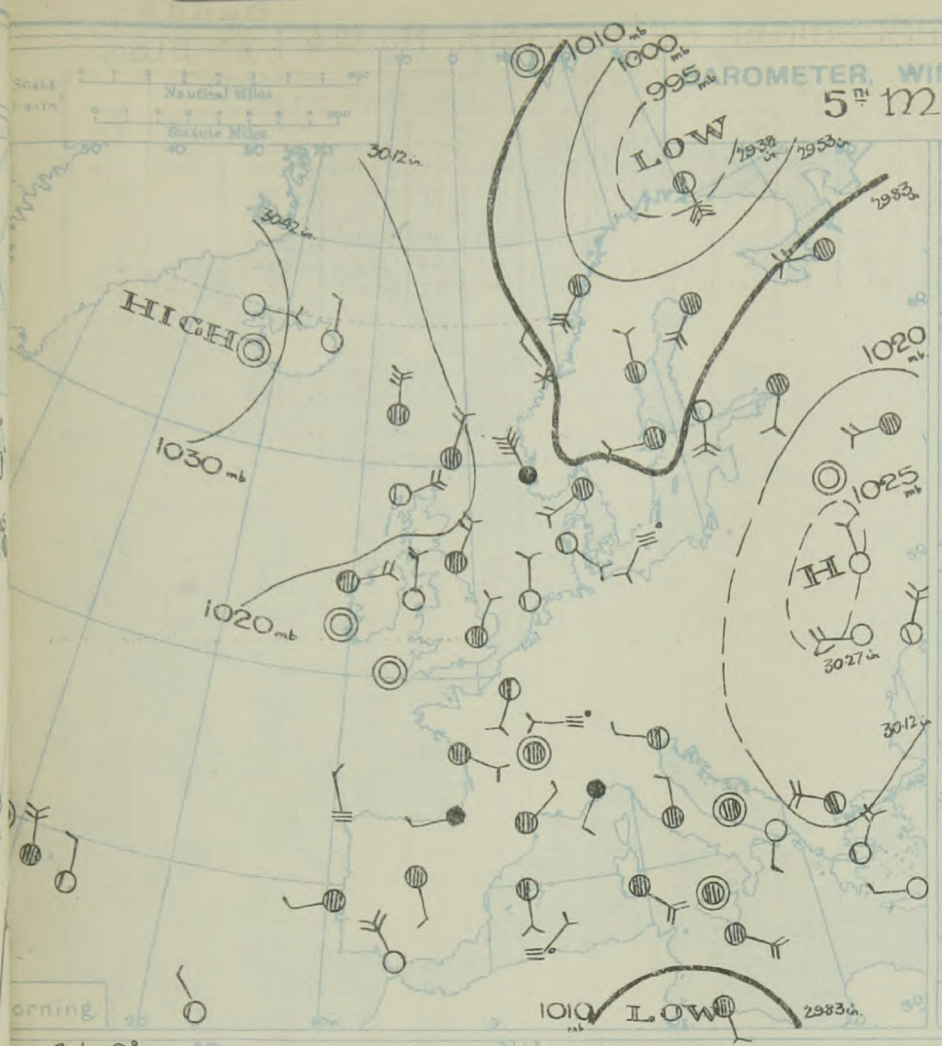
TEMPERATURE.—Given in degrees Fahrenheit.
Isotherms shown by dotted lines.

WEATHER.—Shown by the following symbols :—
◯ clear sky. ◔ sky ¼ clouded. ◑ sky ½ clouded.
◕ sky ¾ clouded. ● overcast sky. ● rain falling,
✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤, thunder.
⊼, thunderstorm.

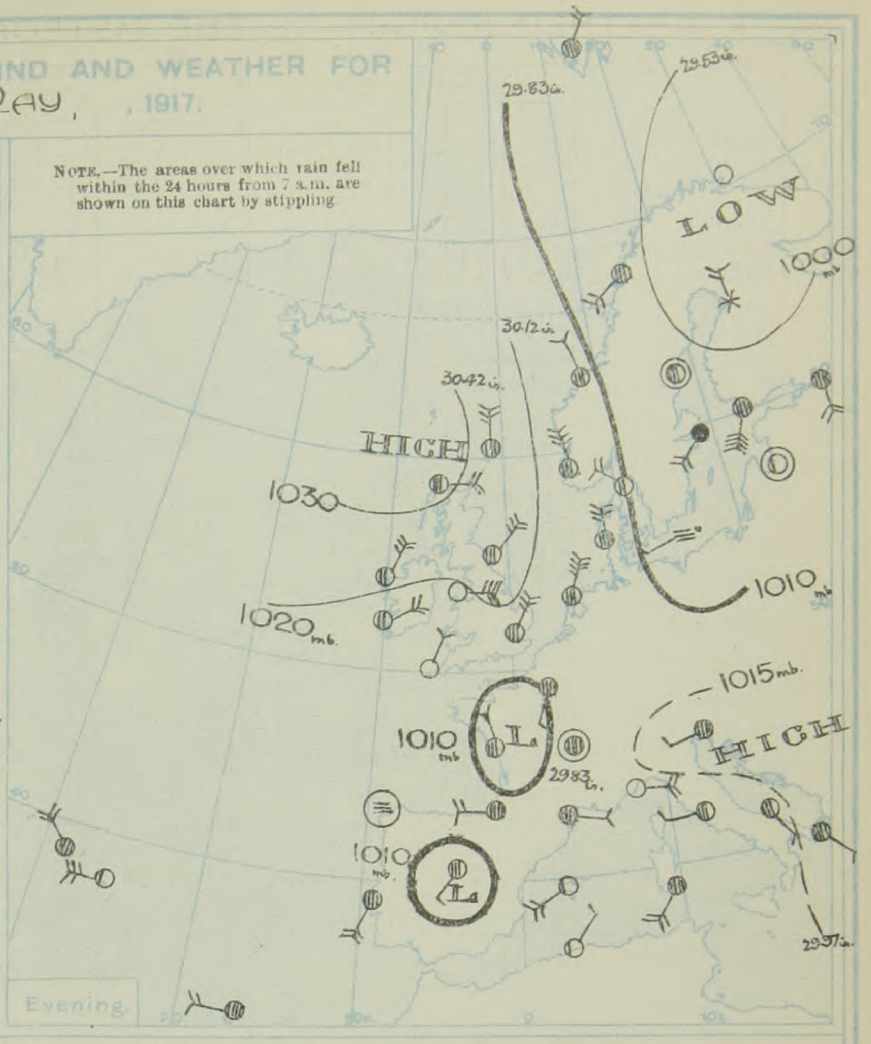
SEA DISTURBANCE.—Rough ~~ High ≈.

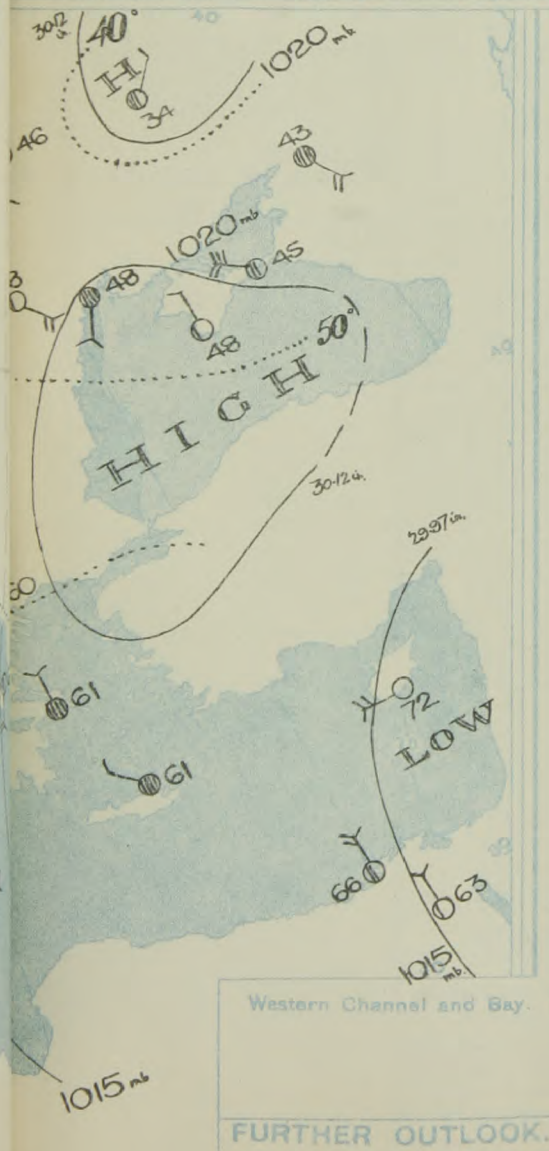


BAROMETER, WIND AND WEATHER FOR 5th May, , 1917.



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





Forecasts Noon Sunday to Noon Monday

0 {a, b} Wind becoming moderate from between W. and SW
Weather fair. Rather cold.

1

2 {a, b} Wind becoming light and variable. Fine. Milder.

3

4 {a, b, c} Fresh to moderate winds between E. and SE.
Fine weather. Cool to-day, warmer tomorrow.

5

6 {a, b} Same as 0 and

7 {a, b} Same as No. 2

8 {a, b} Same as Nos. 3,4, and 5

9 {a, b}

10 {a, b} Light winds veering from SE. to S. or SW. Fine becoming warmer.

11 Channel: Fresh E. winds, moderating. Rather rough sea decreasing. Fine.
Bay: Light indefinite winds. Slight sea; fair.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 126 { Sunday 6th May

	STATIONS.	EVENING OF 5th					MORNING OF 6th								24 HOURS ENDED 7 A.M. 6th					Sunshine for 5th
		Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	
			°F.					:	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1026·2	37	N	5	o	1027·1	0	38	+2	NNW	2	—	⊙	2	—	39	36	c.bc	bc.c	o	
	Deerness (Orkney)	1028·1	37	N	5	o	1029·4	*	37	−1	W	2	—	o	1	—	41	35	o.c	c.o	c.o	5·1
	Stornoway ...	1030·1	40	ENE	4	c	1029·8	−1	39	−2	SW	1	—	b	1	—	45	32	bc.cq	c	bc.b	8·4
	Castlebay (Barra Isd.)																					
	Glasgow ...	1025·9	43	E	4	b	1030·1	+1	37	−15	ENE	3	E	bc	*	—	52	32	o	o.c.bc.b	b.bcx	4·1
	Eskdalemuir ...	1025·8	38	NE	6	b	1029·8	+2	36	−20	ENE	4	—	o	*	—	56	27	cz.o	o.c.bc	b.bc.c.o	1·6
	Malin Head ...	1025·0	45	E	5	bcq	1027·6	?	37	−9	ESE	4	NE	bcq	4	—	48	34	bq	bcq	bcq	7·7
	Blacksod Point	1021·0	48	NNE	5	bc	1023·6	0	42	−8	ESE	4	SE	bcz	4	—	52	38	bc	bc	bcm.bm	
	Valencia (Cahirciveen)	1015·9	67	NE	4	bcz	1020·0	+2	51	+4	E	4	—	bz	3	—	72	47	bz	b.bcx	c.bcx	12·2
	Roche's Point	1016·1	61	SE	2	bc	1022·4	*	47	−4	E	3	E	bc	4	—	71	44	bz	bc	bc.b.bc	
	Birr Castle ...	1019·8	55	NE	2	m	1024·7	*	42	−2	NE	2	—	m	*	—	68	39	z	z	z	7·8
	Donaghadee ...	1023·1	45	E	4	ogm	1027·5	+2	39	−9	E	5	E	bcz	5	—	52	38	cm	ogm	bm.bcm	
	Liverpool (Bidston)	1021·2	46	NE	4	bc	1027·4	+2	39	−15	ENE	3	—	b	3	—	65	36	bm	bz	p.c.b	6·4
	Holyhead ...	1018·3	50	E	7	bm	1023·9	+2	40	−10	E	6	—	bm	5	—	58	38	bm	bqm	bmq	5·8
	Pembroke (St. Ann's)	1013·4	58	NNE	2	b	1023·0	+4	42	−16	E	3	—	b	3	—	71	29	b	bz	bz.c.bc	11·9
	Scilly (St. Mary's)	1013·5	56	NNE	2	bm	1018·9	+2	47	−7	ESE	6	E	bcm	6	—	65	46	bm	bm	bcm	12·5
	Falmouth ...	1012·6	64	SSE	1	bz	1020·1	+2	45	−12	SSE	4	—	bc	*	—	69	44	b	b	b.bc	12·5
	Jersey (St. Aubin)	1010·9	59	E	1	o	1017·4	*	46	−7	ENE	6	—	o	4	—	66	44	bc.b	bc.o	o	5·7
	Portland Bill ...	1012·8	55	ENE	2	bc	1020·9	+4	42	−13	ENE	6	—	c	5	—	61	42	bc.b	b.bc	bc.c	
	Dungeness ...	1013·6	53	NE	4	bc	1021·3	+2	43	−8	NE	7	NE	cq	6	—	62	41	bcz	bc	bcq.c	
	Dover	1015·5	48	N	7	c	1022·4	+4	41	−9	NE	6	NE	o	6	—	63	39	bc.c.b	b.bc.c	c.b	8·8
	Wick	1028·8	38	N	4	c	1029·8	0	37	−3	W	1	—	c	2	—	42	33	cmq.cq	o.cmq	omg.cm	
	Nairn	1029·1	42	E	3	bc	1029·6	*	42	+1	—	0	—	bc	1	—	46	33	c	bc	bc.c	6·5
	Aberdeen ...	1028·2	40	N	4	o	1030·4	+1	40	−2	NW	3	NE	o	2	—	46	36	o.c.o	c.o	c.o	5·1
	Leith	1026·7	44	E	3	b	1030·0	+1	39	−7	E	1	—	o	2	—	45	37	o.c.bc	c.bc.b	b.bc.o	
	Tynemouth ...	1025·7	42	NE	5	cmq	1029·3	+1	40	−8	ENE	2	NE	c	4	—	48	38	oq	cmq	c	
	Spurn Head ...	1023·2	45	NE	7	oq	1027·1	+1	42	−3	ENE	5	—	bcq	5	—	53	37	oq	o.cq	cq	4·9
	Yarmouth (Gorleston)	1018·4	44	NE	6	o	1026·8	+5	41	−9	E	5	—	bcq	5	—	51	39	bcm	bcq	c.bcq	6·0
	Clacton-on-Sea	1017·0	49	N	5	o	1024·8	+3	40	−12	ENE	5	E	bc	4	—	63	39	bc.c.oz	ogz	og.c.bc	2·3
	Nottingham ...	1021·8	45	ENE	5	o	1027·4	*	41	−4	E	4	E	bc	*	—	64	35	bc.c	c.o	c.bc	7·0
	Benson (Oxon.) ...	1017·6	48	NE	6	c	?	+2	42	−7	?	4	—	b	*	—	69	35	bc	bc		
	Sth Farnborough	1015·8	51	NNE	5	bc	1022·8	+2	41	−12	ENE	4	S	b	*	—	72	37	c.bc	bcz	o.c.o.b	7·8
	London (Kew Obsy.)	1016·9	50	NNE	5	c	1024·5	+3	41	−11	ENE	5	E	b	*	—	70	40	omc.o	o.bc.c	c.oq.bcb	3·3
NORTHERN EUROPE.	Spitsbergen ...	1008·5	·19	NE	3	o	1007·5	o	21	+11	NE	4	*	b	*	*	21	?				
	Vardö															*						
	Bodö	1001·5	36	SW	4	o	1003·8	+1	36	−1	N	2	—	c	2	?	37	30				
	Christiansund ...	1016·0	36	NNW	2	c	1018·1	+1	36	−2	NW	4	—	o	4	6	37	30				
	Skudesnaes ..	1017·3	36	NNW	6	c	1023·7	+2	39	0	N	5	—	c	3	Trace	41	32				
	Færder (X'tania Fjord)	?1010·3	41	NNW	2	b	1018·1	+3	39	−4	NNW	4	—	b	1	—	48	36				
	The Scaw (Skagen)	1010·0	46	NW	3	bc	1017·5	+4	43	−3	N	3	—	b	3	—	52	37				
	Blaavands Huk	1014·7	41	N	6	o	1022·0	+7	43	−7	N	3	—	b	*	—	55	37				
	Copenhagen ...	1007·5	34	N	4	c	1016·2	+7	43	−11	NNE	4	—	b	*	—	64	41				
	Bornholm ...	1006·4	57	WSW	1	m	1012·4	+9	39	−13	NNE	4	—	c	1	—	59	37				
FRANCE, &c.	The Helder ...	1015·0	46	NNE	7	c	1023·3	+2	41	−9	NNE	7	N	b	5	—	57	41				
	C. Gris Nez ...	1013·9	46	NE	6	o	1020·8	+3	43	−7	NE	7	*	c	5	—	55	41				
	La Hève	1011·0	59	NE	5	m	1017·2	*	43	−14	ENE	5	*	o	3	—	73	43				
	Brest (St. Mathieu)	1012·6	63	N	1	bc	1015·1	+3	48	−4	E	5	*	c	2	—	66	46				
	Rochefort (Ile d'Aix)	1009·7	61	NNW	2	c	1011·7	+2	57	−3	S	2	*	m	2	—	73	54				
	Biarritz	1011·0	57	W	3	o	1012·6	+2	55	−3	WNW	2	*	m	1	—	61	54				
	Paris	1010·4	72	SSW	1	o	1006·7	+4	45	−19	NE	5	—	o	*	3	79	45				
	Belfort							*					*		*							
	Lyons	1011·4	64	-	0	o	1013·1	*	57	+2	-	0	*	o	*	1	71	56				
	Nice	1013·7	66	E	4	b	1013·3	+1	55	0	S	1	*	f	3	11	61	50				
	Perpignan ...	1011·7	57	E	2	o	1012·8	+2	57	0	—	0	*	o	*	—	68	34				
	Sanguinaire ...	*					*	*					*									
SOUTHERN STATIONS.	Corunna	1013·3	57	-	0	f	1014·0	+1	59	+4	S	2	-	o	1	7	59	55				
	Madrid	1009·2	66	SW	1	c	1015·3	+3	52	−3	—	0	—	o	*	2	66	50				
	Lisbon	1013·6	59	SSW	4	o	1014·1	0	59		—	0	NW	c	5	—	63	57				
	Azores (Horta) ...	1017·3	*	NW	4	o	1015·7	+1	57		W	4	*	o	1	—	64	55				
	Madeira	1016·2	64	W	3	o	1016·8	?−1	57	0	N	2	—	b	2	—	64	57				
	Gibraltar							*					*									
	Malta	*	*	*	*	*	1012·0	+1	64	+1	E	3	—	o	3	—	68	59				
	Limassol	*	*	*	*	*	1014·9	+2	72	−1	W	3	—	b	0	-	77	46				
	Alexandria ...	1014·3	66	N	3	c	1015·9	+3	66	0	N	3	N	bc	2	-	75	56				
	Cairo (Helwan) ...	1012·7	73	N	3	b	1014·6	+2	63	−1	N	2	NW	b	*	-	82	56				

GALES.
Duration and Extreme Force in British Islands.

Dungeness.
NE, 8, 5th 23h — 6th, 2h.

Kew.
Extreme, 18 m/s, 6th. 0h. 25m.

LONDON OBSERVATIONS.	Humidity. 15 h.	Humidity. 9 h.	Sunshine for	24 Hours ended 9 h. Temperature. Max.	Temperature. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	67	67	1·2	68	38	34	Trace	o.c	c.o	op.o
CITY (Bunhill Row)	*	*	0·1	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	49	75	3.4	70	40	43	—	bc	bc	b
CAMDEN SQ. (British Rainfall) ..	49	52	2·0	74	38	35	—	c.o	o.c	*
HAMPSTEAD (Reservoir)	*	73	1·2	66	35	27	-	c.o	o	bcx
S. KENSINGTON (Museum Grounds)	*	72	1·7	53	38	32	-	b	b	b.o.

SOUTH KENSINGTON.

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

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
1236	23.0	64.5

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

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

Issue No. 20255. **DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917.** Monday, 7th MAY

YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON Sunday, 6th MAY, 1917.

The day was fine over the whole country with sunshine measurements ranging up to 14·1 hours at Nairn. Temperature was moderate.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR Sunday, 6th MAY, UP TO 17 H.

	STATIONS.	Sunshine for 5th	Rainfall. Night. 17h-9h.	Rainfall. Day. 9h-17h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 17 h. 6th
			Mm.	Mm.	°F.	°F.			Hr.
Scotland.	Oban	8·8	–	–	52	33	b	b	11·8
	Banff	2·9	–	–	60	36	c. b	b	8·7
	Montrose	4·2	–	–	49	35	b	b	8·2
	St. Andrews								
	Carnoustie	*	*	*	45	41	cd.	–	7·3
Eng. N.E.	Harrogate	2·8	–	–	50	35	bc. b	b	8·9
	Skegness	3·7	–	–	47	39	bc	b	10·5
Eng. N.W.	Morecambe								
	Southport	6·0	–	–	53	33	bc	b	11·7
Midlands.	Leamington Spa								
	Malvern								
	Ross-on-Wye								
Wales.	Rhyl	6·7	–	–	57	35	c. bc	b	11·7
	Colwyn Bay	*	*	*	57	34	bc	b	11·5
	Llandudno	*	*	*	58	35	b	b	11·5
	Aberystwyth	*	*	*	58	39	c. b	b. bc	11·5
England. E.	Lowestoft								
	Felixstowe	2·2	–	–	45	38	bcq	bcq	11·9
	Walton-on-Naze								
	Southend-on-Sea	1·2	–	–	60	39	bc. b	bc. b	12·5
England. S.E.	Margate								
	Hastings	4·1	–	–	50	40	bc. b	b	8·6
	Eastbourne	2·9	–	–	51	41	–	–	8·5
	Seaford								
	Brighton								
	Worthing	6·5	–	–	54	41	b	b	9·1
	Littlehampton								
	Bognor								
	Bournemouth	9·0	–	–	56	41	b	b	11·7
England. S.W.	Weymouth								
	Torquay	*	–	–	?	42	b	b	9·4
	Paignton								
	Penzance								
	Newquay	*	3	–	55	43	b	b	10·0
	Bude								
	Ilfracombe								
	Weston-s-Mare								

REPORTS FROM FOREIGN STATIONS FOR Sunday, 6th MAY.

	STATIONS.	Evening of 5th: Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	Morning of 6th: Barometer. Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb.	Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					‡	°F.	°F.					F	F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel	1009·7	45	SSW	3	a	1003·7	−6	45	+15	S	4	c	–	*	27
	Gorki	1019·0	41	–	0	b	1016·4	*	43	+9	SSW	3	c	?	*	34
	Velieki Luki	1017·1	46	SSE	2	b	1016·4	*	48	+7	SE	3	c	–	*	39
	Hangö	1003·1	37	SSW	8	o	1002·6	+3	36	−1	–	o	o	1	*	34
	Riga	1009·2	50	–	0	b	1001·1	−5	54	+6	S	1	b	–	*	43
	Petrograd	1009·2	52	S	4	o	1003·8	−3	48	+11	SSE	4	bc	–	57	37
	Moscow	1022·0	43	SSW	1	bc	1021·0	o	39	+3	SSW	1	b	–	*	28
	Kiev	1022·1	45	SE	2	bc	1018·7	−2	46	+7	S	3	o	–	*	39
	Kharkov	1022·9	39	NE	2	b	1021·9	o	34	−3	NE	1	c	–	*	28
	Kishinev	1020·4	50	S	1	b	1017·1	−2	48	+5	SE	3	b	–	*	41
	Elisabetgrad	1022·9	45	NE	2	b									*	
	Nicolaiev							*							*	
	Odessa	1023·0	52	NE	2	b	1020·8	o	48	–	WSW	2	o	–	*	45
	Tarkhankout							*							*	
	Soukhoum														*	
Mediterranean.	Venice	1015·8	63	–	o	o	1012·7	*	59	−4	–	o	o	3	72	57
	Pesaro	1016·3	61	E	1	o	1012·7	*	61	+2	N	1	o	2	66	57
	Rome	1013·4	66	W	1	c	1012·3	*	63	−1	S	1	o	–	75	66
	Viesti	1014·7	63	SE	1	c	1013·1	*	63	o	–	o	b	–	68	55
	Brindisi	1018·5	63	SE	1	o	1015·5	*	63	+4	SSW	3	bc	–	73	59
	Cagliari	1011·7	68	SW	4	o	1013·0	*	64	+3	NW	3	b	–	72	55
	Palermo							*								
	Tripoli							*								
	Algiers	1013·3	61	NE	1	b	1014·6	o	63	+2	–	o	m	–	68	57
Sweden.	Hernösand	1001·0	37	–	o	c	1006·4	*	39	o	NNW	6	b	*	*	*
	Stockholm	1002·7	48	SW	4	r	1009·2	*	37	−13	N	4	b	*	*	*
	Wisby	1002·6	50	SSW	2	c	1006·9	*	34	−14	N	6	c	*	*	*

Morning of 6th

Iceland.	Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather
		°F	°F			
Isafjord	1036·2	32	−2	N	4	b
Reykjavik	1028·6	32	o	N	3	b
Vestmanna						
Seydisfjord	1026·6	23	o	N	6	5
Thorshavn	1023·6	40	+6	W	5	o

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

7th and 8th MAY, 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4.14 4.12	11.49 11.49	7.25 7.26
Greenwich	4.24 4.22	11.56 11.56	7.29 7.30
Wick	4.7 4.4	12.8 12.8	8.10 8.12
Valencia	5.3 5.1	12.37 12.37	8.11 8.12

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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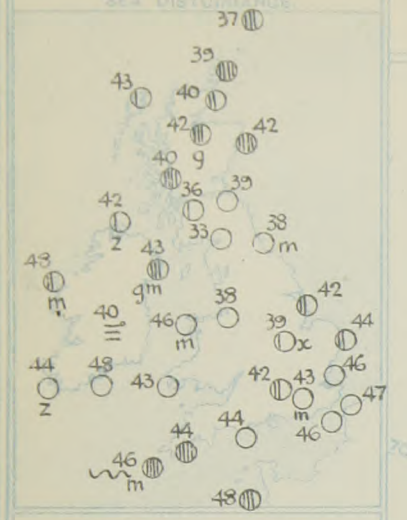
‡ The barometric change is expressed in half-millibars.

THE MORNING OF MONDAY, 7TH MAY, 1917.

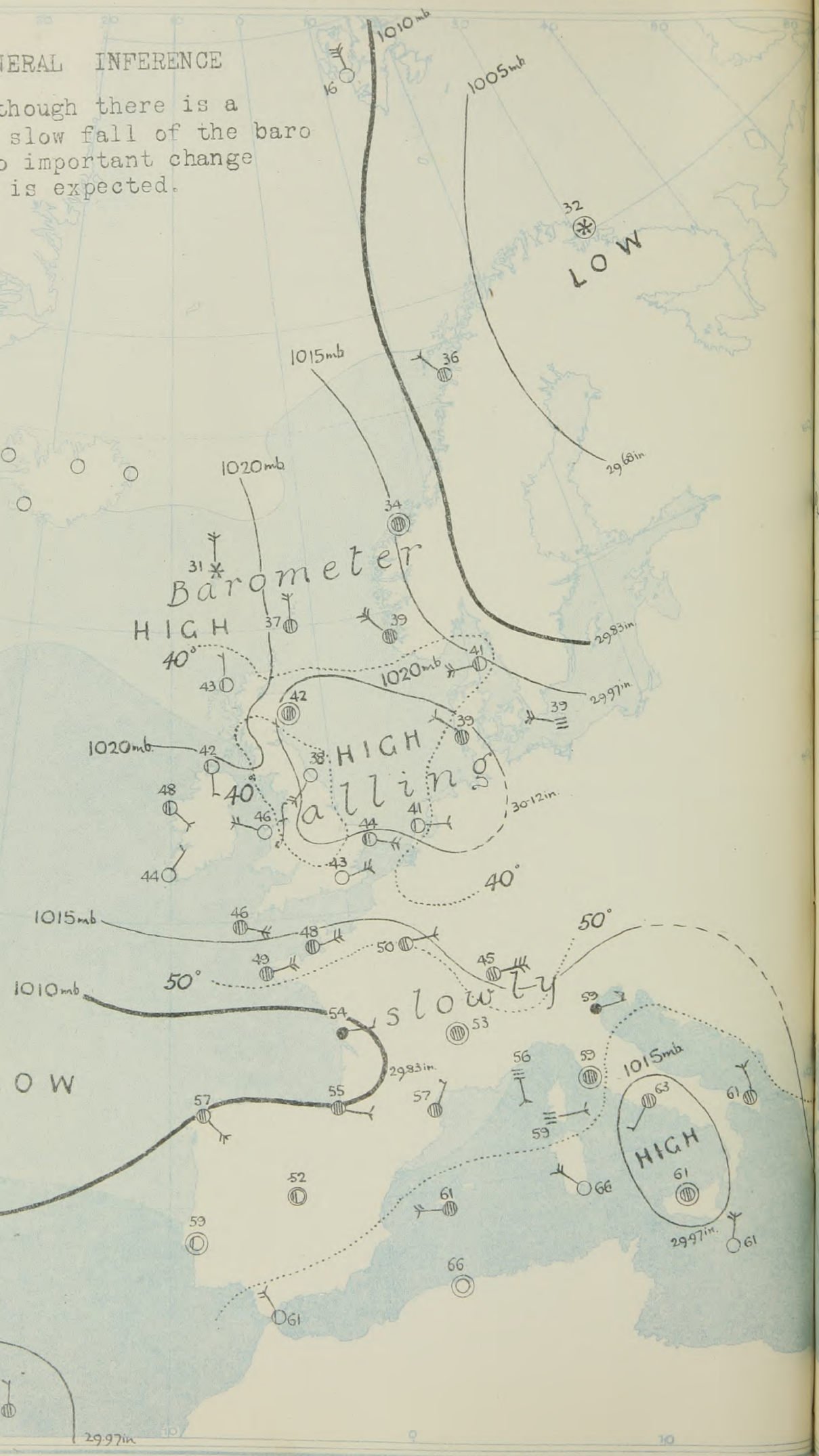
TEMPERATURE, WEATHER AND SEA DISTURBANCE.



FORECAST DISTRICTS.

GENERAL INFERENCE

Although there is a general slow fall of the barometer no important change in wind is expected.



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 ¼ clouded. ◑ sky ½ clouded.
◕ sky ¾ clouded. ● overcast sky. ⦿ rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤, thunder.
⊼, thunderstorm.

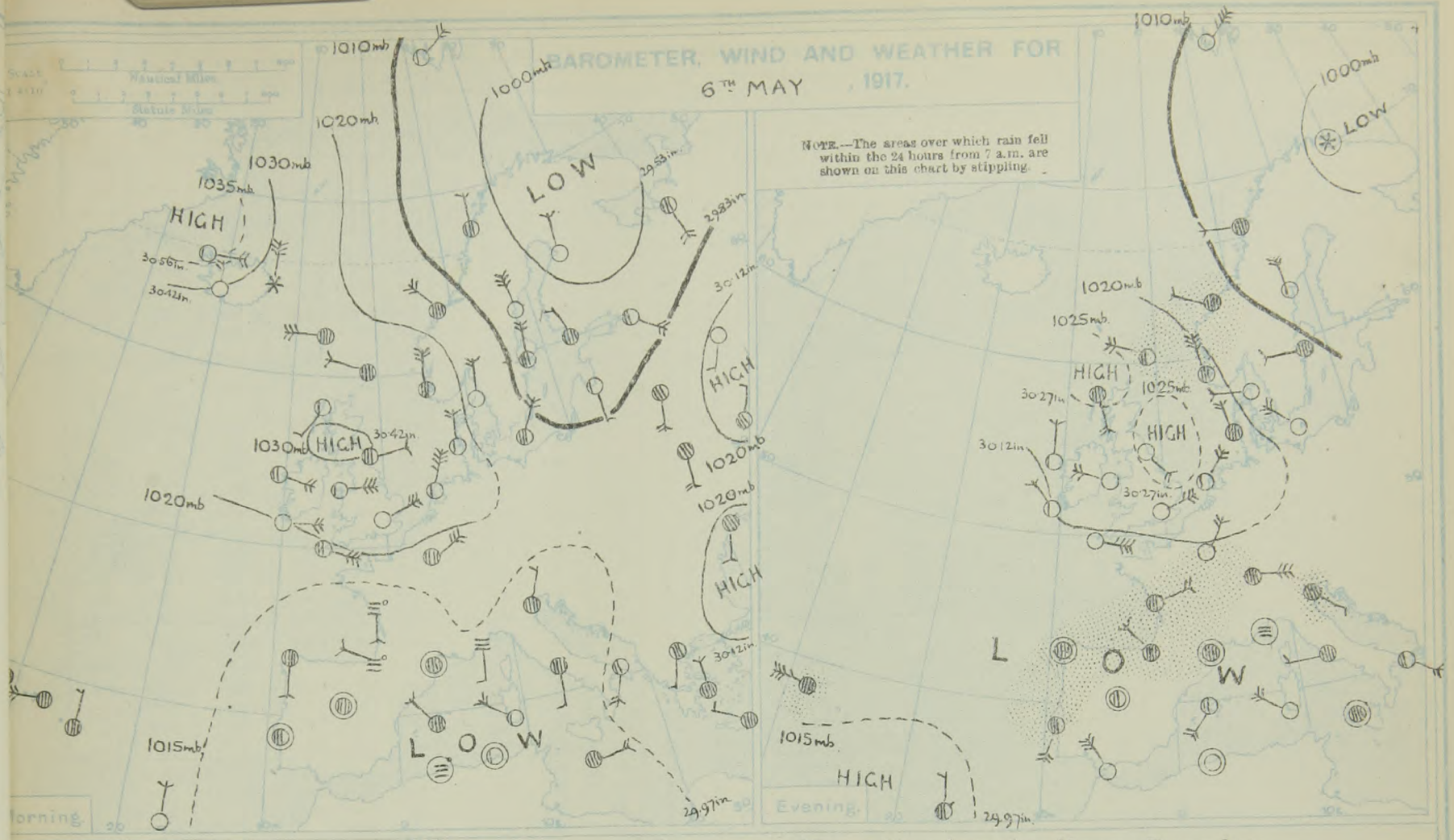
SEA DISTURBANCE.—Rough ~~~ High ≈≈≈

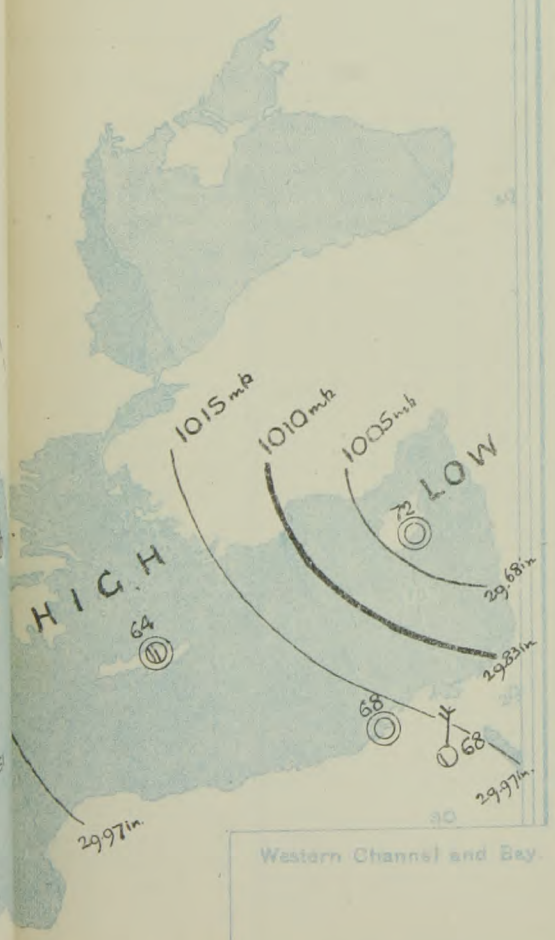
SCALE 1:22·40
Nautical Miles
Statute Miles

Normal Temperature of the Sea

Below 40° | 40°-50° | 50°-60° | Above 60°

Scale of Tints for MAY.





Forecasts Noon Monday to Noon Tuesday

0a, 0b, 1, 2a, 2b — Light winds indefinite in direction; fair; rather cold.

3, 4a, 4b, 4c, 5 — Moderate Ely. winds; fine to-day, more cloud tomorrow; cool at night, moderate day temperature.

6a, 6b, 7a, 7c — Same as 0, 1 and 2

8a, 8b — Moderate E. winds, fair, less settled later; rather cool

9a, 9b, 10a, 10b — Light SE or E. winds; fair; cool at night, moderate day temperatures

11 — Channel: Fresh E. winds, rather rough sea; cloudy.
Bay: Light indefinite winds; slight sea; unsettled, some rain.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 127. {Monday 7th May.

	STATIONS	EVENING OF 6th					MORNING OF 7th								24 HOURS ENDED 7 A.M. 7th					Sunshine for 7th
		Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12.	Weather.	Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1022·4	43	WNW	4	bc	1019·4	0	37	−1	N	3	NW	c	3	1	45	37	bc	bc	o.c	*
	Deerness (Orkney)	1024·7	42	W	3	cz	1020·0	*	39	+2	NE	3	—	o	1	—	45	37	o.c	c	c.o	6·4
	Stornoway ...	1025·4	42	SSE	3	o	1020·2	−2	43	+4	N	1	—	b	1	—	47	35	bc.c.o	o.c.o	o.b	6·5
	Castlebay (Barra Isd.)																					
	Glasgow ...	1023·3	51	E	2	b	1020·3	−2	36	−1	E	1	—	b	*	—	54	31	bc.b	b	bz.x	11·3
	Eskdalemuir ...	1023·1	31	SSE	2	b	1019·8	−2	33	−3	—	0	—	b	*	—	53	23	c.bc.b	b	b.bx	11·9
	Malin Head ...	1023·9	45	ENE	4	bz	1018·5	?	42	+5	S	1	—	bz	1	—	49	38	bcq	bz	bz	13·3
	Blacksod Point	1020·4	54	N	2	bz	1016·6	−2	48	+6	SE	2	SE	bcm	2	—	56	41	bc	bz	bcm	*
	Valencia (Cahirciveen)	1020·0	52	NW	2	bz	1016·8	−2	44	−7	NE	1	—	bz	2	—	60	37	bz	bcz	bz	12·0
	Roche's Point	1021·7	48	E	4	b	1017·5	*	48	+1	ESE	3	—	b	4	Trace	50	39	bc	b	bw	*
	Birr Castle ...	1020·8	60	NE	2	m	1018·3	*	40	−2	E	1	—	m	*	—	60	33	z	z	z	12·8
	Donaghadee ...	1022·6	45	SE	3	bz	1018·1	−1	43	+4	SSE	3	—	cgm	3	—	48	38	bz	bz	bm.cgm	*
	Liverpool (Bidston)	1022·5	52	E	3	b	1019·7	−2	38	−1	ESE	2	—	b	2	—	56	33	b	b	b	13·9
	Holyhead ...	1021·8	52	WNW	4	bm	1018·2	−1	46	+6	WNW	3	—	bm	2	—	56	38	bm	bm	bmw	13·2
	Pembroke (St. Ann's)	1021·1	51	SE	2	b	1019·7	−3	43	+1	E	3	—	b	2	—	52	39	b	b	b	12·3
	Scilly (St. Mary's)	1018·3	49	ESE	7	bm	1015·1	−1	46	−1	ESE	4	E	om	5	—	50	44	cm	bcm	bc.e.om	6·1
	Falmouth ...	1019·2	49	E	4	bx	1015·2	−2	44	−1	ENE	3	—	o	*	—	53	43	bqx	bqx.bx	bx.o	11·2
	Jersey (St. Aubin)	1017·1	48	ENE	6	o	1013·5	*	48	+2	ENE	4	E	c	3	0·1	53	44	op	cp.op:o	o.c	3·5
	Portland Bill ...	1020·0	47	E	5	bc	1016·0	−5	44	+2	ENE	5	—	b	4	—	48	40	c.bc	b.bc	bc.b	*
	Dungeness ...	1022·4	45	NE	6	b	1017·3	−3	46	+3	NE	6	—	b	4	—	48	42	bcq	bc.b	b	*
	Dover	1021·9	44	N	6	b	1017·6	−1	47	+6	NE	8	—	b	4	—	48	40	o.c.bc	b	b	9·7
	Wick	1025·5	41	—	0	bc	1020·1	−2	40	+3	WNW	2	—	bc	2	—	43	32	cm	c.b	cm	*
	Nairn	1023·9	44	E	3	bc	1019·4	*	42	0	—	0	—	cg	0	—	51	31	b	b.bc	bc.cw	14·1
	Aberdeen ...	1024·9	41	SSE	3	b	1020·5	−1	42	+2	—	0	—	o	2	—	46	38	o.c.b	b	b.bc.c.o	10·5
	Leith	1023·8	47	E	1	b	1019·7	−1	39	0	NW	1	—	b	1	—	48	35	o.c.bc.b	b	bx.bw.b	*
	Tynemouth ...	1025·9	42	SE	3	b	1020·7	−2	38	−2	SW	3	—	b	4	—	47	34	bc	b	bm	*
	Spurn Head ...	1026·1	43	ESE	4	bc	1021·5	−1	42	0	SE	4	—	bc	4	—	47	36	bc	bc	bc	9·0
	Yarmouth (Gorleston)	1025·1	42	ENE	4	bc	1019·4	−3	44	+3	ESE	4	—	bc	4	—	44	40	bcq	bcq.bc	bcq.bc	11·0
	Clacton-on-Sea	1023·6	44	NNE	4	b	1019·0	−1	46	+6	E	3	—	b	3	—	47	41	bc	bc.b	b	13·5
	Nottingham ...	1024·6	46	E	3	b	1020·6	*	39	−2	E	2	E	bx	*	—	51	25	bc.b	b	b	12·7
	Benson (Oxon.) ...	1022·1	56	E	4	b	1018·3	−1	42	0	NE	2	—	bc	*	—	56	40			bc	*
	Sth Farnborough	1021·4	49	ENE	4	b	1017·4	−2	42	+1	ENE	2	—	o	*	—	54	37	b	b	b.o	13·2
	London (Kew Obsy.)	1022·8	49	ENE	5	bz	1018·3	−3	43	+2	ENE	3	—	bm	*	—	51	38	bz	bz	bz.bbm	13·3
NORTHERN EUROPE.	Spitsbergen ...	1009·1	21	NE	7	b	1010·6	+2	16	−5	N	5	*	b	*	*	21	10				
	Vardö	999·0	32	—	0	s	1002·7	+2	32		—	0		s	2	*	37	28				
	Bodö	1008·0	34	W	2	o	1008·2	o	36	o	NW	2	—	c	2	—	36	32				
	Christiansund ...	1015·3	36	WNW	2	o	1015·0	o	34	−2	—	0	—	o	4	8	36	30				
	Skudesnaes ..	1021·5	39	NNW	4	c	1016·0	−3	39	o	NW	4	—	b	3	3	41	36				
	Færder (X'tiania Fjord)	1016·2	43	WNW	2	b	1011·9	−2	39	o	W	5	—	c	2	—	45	32				
	The Scaw (Skagen)	1018·6	45	W	2	b	1015·3	−1	41	−2	W	4	—	bc	4	—	46	37				
	Blaavands Huk	1024·0	41	NNW	3	o	1020·6	−1	39	−4	NW	2	—	o	?	—	45	36				
	Copenhagen ...	1019·7	45	NNW	3	b	1017·9	−1	43	o	W	3	—	b	*	—	48	36				
	Bornholm ...	1017·7	41	NW	4	b	1017·1	−1	39	o	WNW	4	—	m	1	—	46	34				
FRANCE, &c.	The Helder ...	1024·4	45	NE	4	b	1021·6	−2	41	o	E	2	W	b	2	—	46	39				
	C. Gris Nez ...	1020·8	45	NE	6	b	1016·4	−2	45	+2	ESE	4	*	b	3	—	48	39				
	La Hève	1017·2	46	NE	4	m	1014·6	*	47	+4	E	4	*	bc	3	—	53	46				
	Brest (St. Mathieu)	1015·3	57	ENE	4	bc	1012·6	−3	49	+1	ENE	4	*	o	2	—	46	36				
	Rochefort (Ile d'Aix)	1011·8	59	NE	3	c	1009·3	−1	54	−3	E	1	*	r	*	3	58	50				
	Biarritz	1011·9	59	NW	2	o	1010·4	−1	55	o	ESE	2	*	o	1	4	66	52				
	Paris	1016·2	57	NE	3	b	1014·0	−2	50	+5	E	2	—	c	*	Trace	61	43				
	Belfort	1016·4	46	ESE	6	o	1016·4	*	45		E	5	*	c	*	2	58	41				
	Lyons	1011·5	62	NNW	2	o	1012·8	*	53	−4	—	0	*	o	*	—	71	51				
	Nice	1013·0	55	—	0	f	1014·4	+1	56	+1	S	2	*	f	2	—	68	50				
	Perpignan ...	1011·4	61	—	0	o	1012·0	o	57	o	NE	1	o	o	*	Trace	70	34				
	Sanguinaire ...	1013·7	60	W	1	m	1013·9	*	59		E	2	*	f	2	—	66	55				
SOUTHERN STATIONS.	Corunna	1012·7	59	—	0	o	1011·4	o	57	−2	SSE	3	NE	c	2	?	61	54				
	Madrid	1011·7	64	—	0	bc	1014·0	+2	52	o	—	0	—	bc	*	—	64	45				
	Lisbon	1013·5	61	SSW	4	c	1013·1	+1	59	o	—	0	—	b	5	Trace	66	57				
	Azores (Horta) ...	1012·8	*	W	7	o	1010·4	o	54	−3	WNW	4	*	o	2	2	63	54				
	Madeira	1016·2	64	N	1	c	1015·4	o	59	+2	N	1	—	c	1	—	66	59				
	Gibraltar	1014·2	62	NW	5	b	1012·8	*	61		NW	3	*	b	1	—	73	57				
	Malta	*	*	*	*	*	1013·6	+2	61	−3	NNE	3	—	b	2	—	68	59				
	Limassol	*	*	*	*	*	1002·1	+3	72	o	—	0	—	b	0	—	77	46				
	Alexandria ...	1015·9	64	NE	3	bc	1017·6	+2	68	+2	—	0	—	b	1	—	77	63				
	Cairo (Helwan) ...	1013·3	73	N	4	c	1015·7	+2	68	+5	NE	3		b	*	—	82	59				

RAINFALL.

Equivalents of Millimetres in Inches.

mm.	Inches.	mm.	Inches.
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·10
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69
19	0·75	44	1·73
20	0·79	45	1·77
21	0·83	46	1·81
22	0·87	47	1·85
23	0·91	48	1·89
24	0·95	49	1·93
25	0·98	50	1·97

LONDON OBSERVATIONS.

	Humidity. 15 h. 6th	Humidity. 9 h. 7th	Sunshine for 6th	24 Hours ended 9 h. 7th April. Temperature. Max.	Temperature. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	61	76	13·4	53	36	26	—	c	c	c.o
CITY (Bunhill Row)	*	*	12·9	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	48	69	12·7	59	38	41	—	b.bc	b	bc.om
CAMDEN SQ. (British Rainfall) ..	—	60	12·7	56	35	34	—	—	—	*
HAMPSTEAD (Reservoir)	*	72	13·4	50	33	25	—	b	b	bx
S. KENSINGTON (Museum Grounds)	*	66	13·5	53	38	32	—	b	b.bq	b.o

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during 6th

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
2369	43·8	77

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

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

Issue No. 20256 DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. Tuesday 8th May

YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON Monday 7th May 1917.

Temperature was very variable, the maxima ranging from 65° at Brighton to 41° at Lerwick. Rain or sleet fell locally in the north. England and Ireland had large sunshine records; Scotland much less.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR Monday 7th May UP TO 17 H.

	STATIONS.	Sunshine for 6th May	Rainfall. Night. 17h-9h.	Rainfall. Day. 9h-17h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 17 h. 7th May
			Mm.	Mm.	°F.	°F.			Hr.
Scotland.	Oban	14·1	–	–	53	34	0	bc.b	6·1
	Banff	9·2	–	–	58	33	bc	bc.0	4·1
	Montrose	8·2	*	*	46	29	0	0	2·5
	St. Andrews		–	–	47	30	–	–	2·7
	Carnoustie	–	–	–	48	?	c	b	4·5
Eng. N.E.	Harrogate	11·2	–	–	57	27	b	b	10·1
	Skegness	11·4	–	–	48	38	b	b	11·4
Eng. N.W.	Morecambe		–	–	56	33			11·7
	Southport	13·4	–	–	57	31	b	b	11·2
Midlands.	Leamington Spa								
	Malvern		–	–	61	33	bz	b	7·0
	Ross-on-Wye	13·3	–	–	61	30	bcm	b	7·4
Wales.	Rhyl	13·9	–	–	62	34	bc	bc	11·7
	Colwyn Bay		–	–	55	?	bc	b	11·5
	Llandudno		*	*	54	37	b	b	11·8
	Aberystwyth		*	*	56	38	c.b	c	12·0
England. E.	Lowestoft		–	–	48	40	bc	bc.b	11·0
	Felixstowe	13·6	–	–	49	40	b	b	11·7
	Walton-on-Naze		–	–	49	38	b.bz.b	b	11·0
	Southend-on-Sea	14·2	–	–	55	40	b	b	11·5
England, S.E.	Margate		–	–	48	42	b	b	11·3
	Hastings	10·6	*	*	59	40	b	b	11·7
	Eastbourne	10·1	–	–	58	38	b	b	11·7
	Seaford	10·7	–	–	63	38	b	b	11·3
	Brighton	10·5	–	–	65	40	b	b.c	11·4
	Worthing	10·6	–	–	61	40	b	bc	11·6
	Littlehampton		–	–	58	52	bc	bc	11·3
	Bognor								
	Bournemouth	12·6	*	*	61	35	b	b	12·7
England, S.W.	Weymouth		*	*	59	37	b	z	12·0
	Torquay	11·0	–	–	56	40	b	b	11·5
	Paignton								
	Penzance		–	–	58	44	bc	bc	4·4
	Newquay	10·9	–	–	55	38	b	b	9·2
	Bude		–	–	64	33	b	b	12·0
	Ilfracombe		–	–	?	40	b	b	10·6
	Weston-s-Mare		*	*	60	35	bc	b	9·5

REPORTS FROM FOREIGN STATIONS FOR Monday 7th May

	STATIONS.	Evening of 6th May: Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	Morning of 7th May: Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					‡	°F.	°F.					°F	°F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel	1002·4	52	S	3	0	998·7	+2	48	+3	SE	5	c	–	*	39
	Gorki						1008·0	0	34	−9	NW	4	bc	4	*	30
	Velieki Luki	998·6	54	SE	4	r									*	
	Hangö	1005·4	36	NW	3	0									*	
	Riga	1008·8	34	W	4	b	1009·0	0	39	−15	W	2	b	6	*	34
	Petrograd	990·6	50	SW	4	r	992·8	+2	34	−14	W	5	s	5	63	34
	Moscow	1010·6	43	SSE	3	c									*	
	Kiev														*	
	Kharkov														*	
	Kishinev	1010·4	52	SE	3	c	1011·8	+5	48		NW	5	0	–	*	46
	Elisabetgrad														*	
	Nicolaiev	1017·1	52	SSW	5	c	1012·6	*	52		SSW	6	c	–	*	37
	Odessa						1011·9		52		SW	5	0	–	*	48
	Tarkhankout							*							*	
	Soukhoum	1022·6	55	NW	2	b	1022·7	0	50		NNW	1	b	–	*	?
Mediterranean.	Venice	1011·4	63	SE	1	0	1013·4	*	59	0	E	1	r	4	66	57
	Pesaro	1012·3	59	SW	1	b	1013·8	*	61	0	S	1	c	–	66	52
	Rome	1014·1	61	W	1	0	1015·3	*	63	0	SW	1	0	1	68	59
	Viesti	1010·5	63	W	1	b	1014·1	*	64	+1	NW	1	b	–	68	57
	Brindisi	1014·5	63	ESE	3	bc	1013·0	*	61	−2	N	2	c	–	72	64
	Cagliari	1013·0	66	NW	4	b	1014·3	*	66	+2	NW	3	b	–	72	54
	Palermo	1014·7	63	–	0	0	1015·3	*	61		–	0	0	–	70	54
	Tripoli						1013·7	*	67		W	1	0	–	68	59
	Algiers	1013·7	63	–	0	b	1013·5	+1	66	+3	–	0	b	–	68	59
Sweden.	Hernösand	1007·4	41	NNW	4	b	1005·9	*	36	−3	NNW	4	b	*	*	*
	Stockholm	1010·9	41	W	2	0	1009·5	*	37	0	WNW	2	b	*	*	*
	Wisby	1010·0	37	WNW	2	b	1010·0	*	39	+5	WSW	2	b	*	*	*

Morning of 7th May

Iceland.	Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather
		°F	°F			
Isafjord	1039·7	30	−2	NE	2	b
Reykjavik	1036·8	32	0	N	4	b
Vestmanna						
Seydisfjord	1033·2	28	+5	N	6	s
Thorshavn	1022·3	31	−9	N	3	s

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

8th and 9th May, 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4·12 / 4·10	11·49 / 11·49	7·26 / 7·28
Greenwich	4·22 / 4·21	11·56 / 11·56	7·30 / 7·31
Wick	4·4 / 4·2	12·8 / 12·8	8·12 / 8·14
Valencia	5·1 / 5·0	12·37 / 12·37	8·12 / 8·14

Note.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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‡ The barometric change is expressed in half-millibars.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.

FORECAST DISTRICTS.

THE MORNING OF TUESDAY, 8TH MAY, 1917.

GENERAL INFERENCE

The outlook is of a somewhat less settled character than of late.

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 ¼ clouded. ◑ sky ½ clouded. ◕ sky ¾ clouded. ● overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. T, thunder. ⱦ, thunderstorm.

SEA DISTURBANCE.—Rough ~~ High ≈≈.

1020mb 1025mb 1030mb 1015mb 1010mb 1005mb

HIGH

LOW

Barometer steady

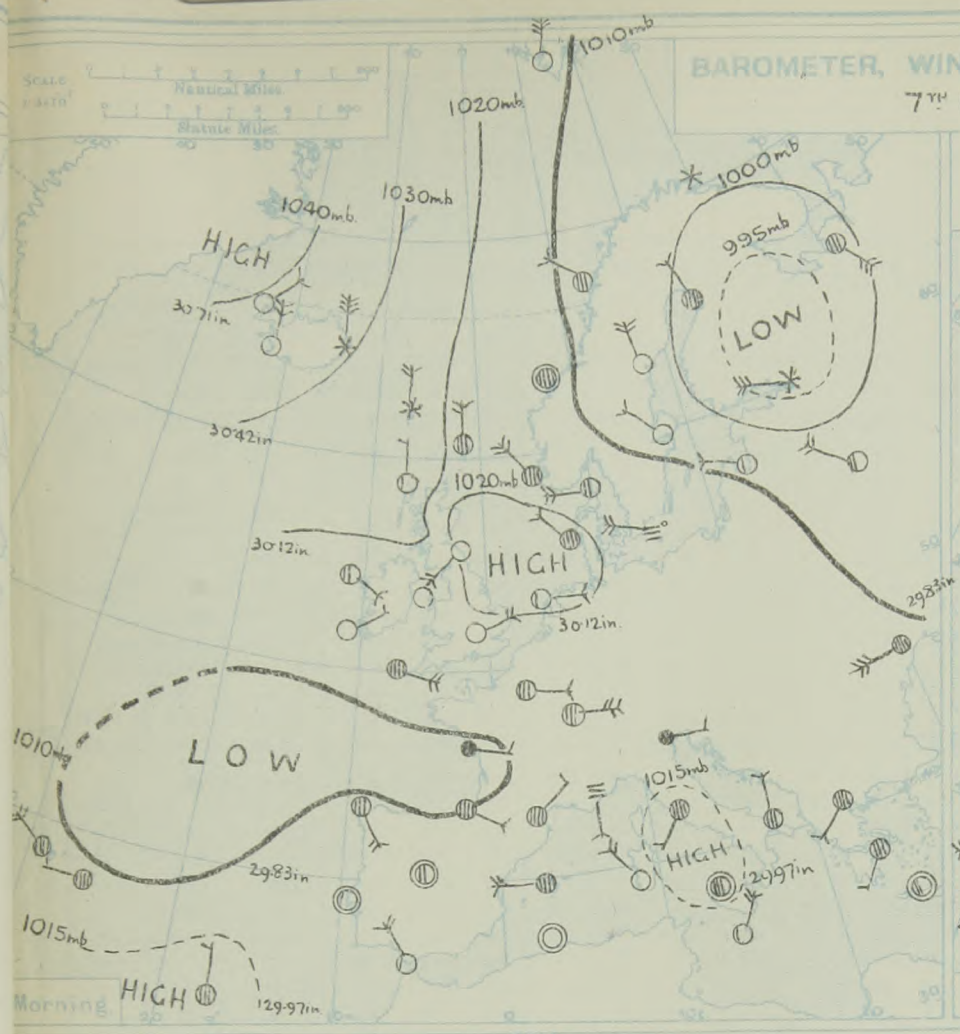
Barometer falling slowly

Barometer rising slowly

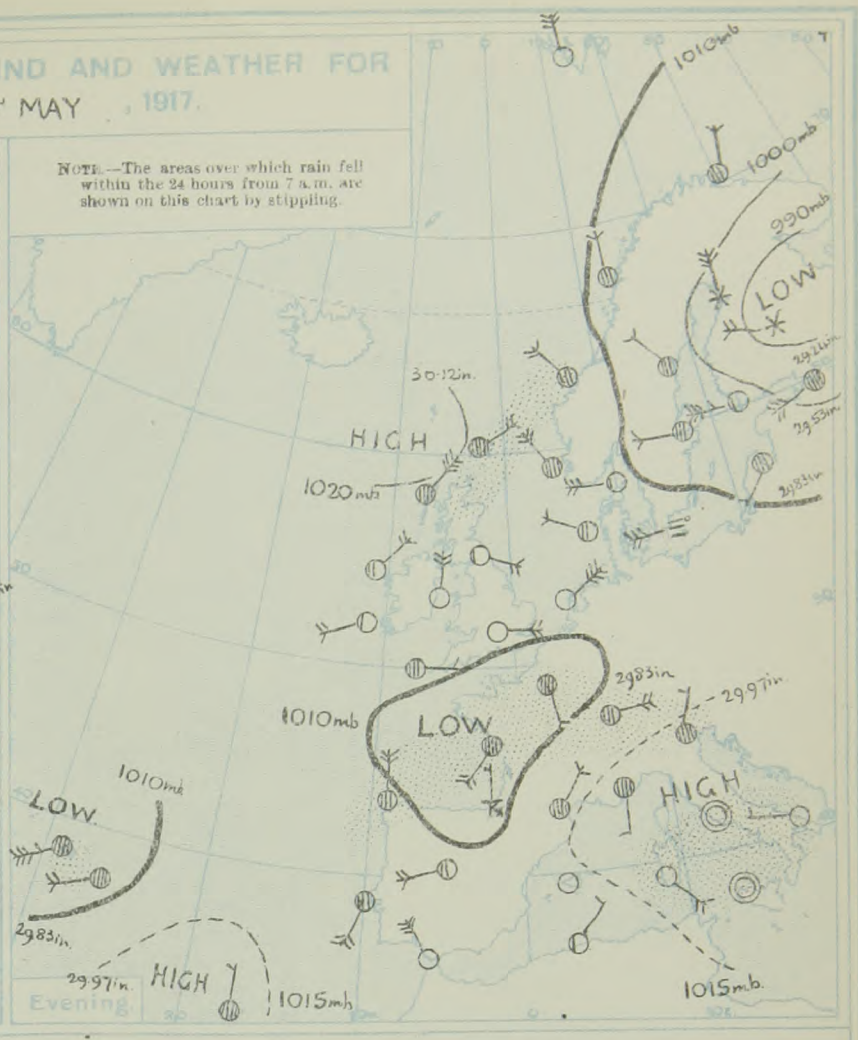
29.68in 29.83in 29.97in

32° 40° 50° 60°

BAROMETER, WIND AND WEATHER FOR 7TH MAY, 1917.



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



FORECASTS NOON TUESDAY TO NOON WEDNESDAY

0 a, b — Moderate E. breeze, backing Nly; mainly fair, some showers; cool.

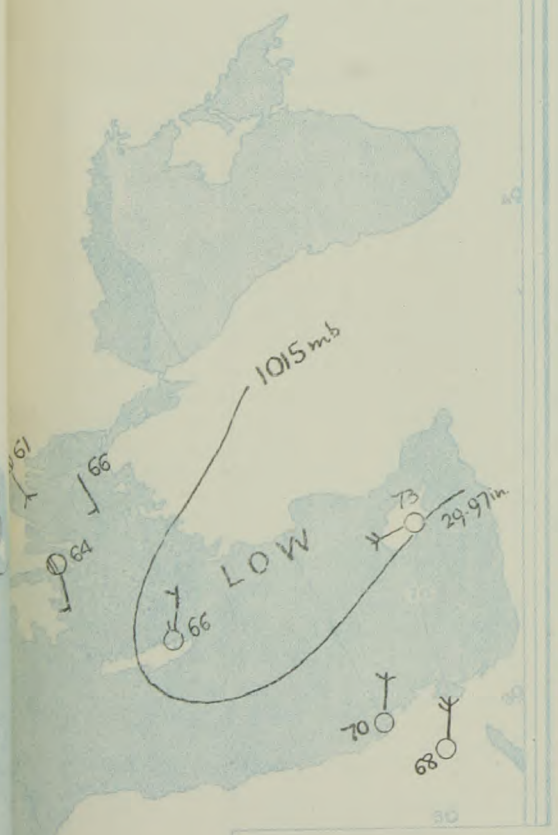
1, 2 a, b — Moderate E. breeze, backing Nly; fair generally, but some local cold showers.

3, 4 a, b, c, 5 — Fresh to strong NE. wind, backing Nly. and moderating; more cloudy, probably some rain; cool.

6 a, b — Same as No. 0.

7 a, b, 8 a, b, 9 a, b, 10 a, b — Light breeze between E. and N; generally fair to fine; cool.

11 — Moderate N. to NW. breeze; sea moderate; cloudy, some showers; cool.



FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 128 (Tuesday 8th May)

	STATIONS	EVENING OF 7th: Barom. Millibars at M.S.L.	Temp.	Wind: Direc.	Wind: Force 0-12.	Weather.	MORNING OF 8th: Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	24 HOURS ENDED 7 A.M. 8th: Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for 7th.
			°F.					±	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick	1019·0	35	ENE	3	o	1020·3	0	37	0	N	1	—	b	1	3	41	33	c	csp	bc.c	
	Deerness (Orkney)	1020·0	36	N	3	o	1020·0	*	39	0	E	4	SW	bcv	3	2	42	33	o	ops	ophi.c.bc	0·3
	Stornoway	1019·4	39	NE	6	oq	1018·3	0	37	−6	ENE	5	—	oq	5	—	49	37	b.oq	oq	oq	5·2
	Castlebay (Barra Isd.)																					
	Glasgow	1014·9	48	ENE	2	c	1015·2	+1	39	+3	E	4	—	og	*	—	54	36	b.bc.cx	o	c.o	3·6
	Eskdalemuir	1014·1	50	E	4	oz	1015·9	+1	36	+3	ENE	4	W	c	*	—	56	31	b.bc.c	c.cx.oz	oz.cx	5·6
	Malin Head	1016·0	57	NE	2	bz	1013·2	?	43	+1	E	3	—	om	3	—	50	42	bcz	bz	om	8·3
	Blacksod Point	1013·6	51	NE	3	bcz	1011·6	0	45	−3	ENE	4	NE	cm	3	—	57	44	bcx	bcz	cm	
	Valencia (Cahirciveen)	1012·8	52	WSW	3	b	1011·5	0	43	−1	NE	2	W	bcz	2	—	57	39	bz	bx	bc.cx	13·1
	Roche's Point	1013·6	51	SE	3	b	1012·0	*	46	−2	NNW	2	—	bxw	1	0·1	54	42	bx	bf	b.bc.ob	
	Birr Castle	1012·3	69	E	1	o	1011·4	*	42	+2	E	1	—	m	*	—	62	37	z	oz	z	9·44
	Donaghadee	1014·0	49	SE	2	bcm	1012·9	+2	44	+1	E	3	—	bz	2	—	49	41	bz	bz	cm.bcm	
	Liverpool (Bidston)	1012·4	54	N	1	b	1013·1	0	40	+2	E	3	E	c	3	—	60	38	b	b	bm.c	12·5
	Holyhead	1013·3	50	N	4	bm	1011·0	+1	44	−2	NE	3	—	bcm	2	—	54	41	bm	bm	bcmw	12·5
	Pembroke (St Ann's)	1012·2	52	N	3	b	1010·9	+2	46	+3	E	2	—	b	2	—	57	43	b	b	b	13·1
	Scilly (St. Mary's)	1011·7	52	E	1	bcm	1010·0	−1	49	+3	—	0	N	bcm	3	—	54	45	cm.bcm	bcm.cm	cm.bcm	4·1
	Falmouth	1010·7	52	SSE	1	bz	1009·3	+2	49	+5	NNW	1	—	b	*	—	57	43	c.bc	bc.bz	bz	10·6
	Jersey (St. Aubin)	1008·8	53	E	4	o	1008·2	*	48	0	NE	3	—	o	3	0·1	61	48	c.bc.o	o.c.bc.o	op.o	3·0
	Portland Bill	1010·5	50	E	2	b	1008·6	−1	45	+1	NE	4	—	b	3	—	53	42	b	b	b	
	Dungeness	1010·1	51	NE	5	c	1007·1	+1	46	0	NE	5	NE	c	4	—	55	44	b	b.bc	bc.c	
	Dover	1011·4	50	N	5	bc	1008·1	?	45	−2	NE	5	N	o	4	—	57	42	b	b.bs	om	12·8
	Wick	1019·8	36	NE	3	o	1019·4	+1	38	−2	ESE	3	—	o	3	0·2	45	34	bc omg	omg	ompg	
	Nairn	1017·5	42	E	2	od	1017·5	*	34	−8	E	2	—	ors	2	10	52	32	c.bc	qg.o	rq.rs	5·3
	Aberdeen	1018·1	42	ESE	2	o	1018·4	o	39	−3	E	4	—	r	3	5	49	37	o.bc.b	b.bc.o	odr	3·9
	Leith	1015·0	45	ENE	2	c	1015·2	o	41	+2	ESE	1	—	o	2	—	50	39	bx.c.bc	c.bcz.c	cm.c.o	
	Tynemouth	1016·4	43	SE	3	bqr	1016·3	o	40	+2	E	3	—	o	3	—	46	37	bmq	bqr	a	
	Spurn Head	1015·9	44	SE	5	bcqr	1015·2	o	41	−1	E	4	—	c	4	—	48	38	b	b	bcqr	10·4
	Yarmouth (Gorleston)	1014·2	44	E	5	b	1011·1	o	43	−1	ENE	5	—	bcqm	5	—	46	41	bc	bcz	bcqr	12·7
	Clacton-on-Sea	1012·8	50	ENE	3	b	1009·4	o	44	−2	NNE	4	NE	o	3	—	52	43	b	b	bc.c.oq	16·4
	Nottingham	1013·4	53	E	4	b	1013·9	*	39	o	NE	3	NE	o	*	—	59	35	b	b	b	12·2
	Benson (Oxon.)	1011·6	56	E	3	b	1010·4	+1	40	−2	NE	3	—	bc	*	—	62	35	b	b	b	
	Sth Farnborough	1010·6	56	ENE	3	b	1009·5	+1	43	+1	ENE	3	SW	o	*	—	63	38	b	b	b.o.c.o	11·4
	London (Kew Obsy.)	1011·6	56	E	4	bz	1010·2	0	42	−1	NNE	4	—	bm	*	—	60	40	bm.bz	bz	bz.bc.ob	12·3
NORTHERN EUROPE.	Spitsbergen	1015·4	18	N	5	b	1017·2	+1	9	−7	—	0	*	b	*	*	21	−2				
	Vardö	1007·4	28	NNE	2	c	1008·7	−2	27	−5	N	7	—	o	6	*	32	27				
	Bodö	1009·6	34	N	2	c	1012·6	+1	34	−2	N	1	—	b	1	—	37	30				
	Christiansund	1015·7	37	NW	3	c	1016·6	o	37	+3	—	0	—	b	3	7	39	32				
	Skudesnaes	1015·9	39	NW	4	o	1017·0	o	39	o	N	4	—	b	2	—	41	32				
	Færder (X'tania Fjord)	1012·2	39	ENE	4	b	1015·3	+1	37	−2	N	2	—	b	1	—	39	36				
	The Scaw (Skagen)	1012·8	43	W	6	b	1015·1	+2	43	+2	NNE	2	—	b	2	—	46	32				
	Blaavands Huk	1017·9	41	NW	2	bc	1016·2	o	43	+4	ENE	1	W	c	?	—	45	34				
	Copenhagen	1014·9	46	WNW	4	b	1015·1	o	43	o	NNW	2	—	bc	*	—	48	37				
	Bornholm	1014·0	41	W	5	m	1015·3	+1	39	o	NW	1	—	m	o	—	43	36				
FRANCE, &c.	The Helder	1015·4	46	NE	6	b	1011·7	−1	45	+4	NE	6	W	bc	4	—	50	41				
	C. Gris Nez	1010·3	49	NE	4	c	1006·3	o	47	+2	NE	4	*	o	4	—	54	45				
	La Hêve	1009·6	53	ENE	3	c	1005·5	*	47	o	ENE	3	*	r	1	1	64	46				
	Brest (St. Mathieu)	1008·4	56	NE	2	o	1009·2	+1	50	+1	N	2	*	o	2	—	64	48				
	Rochefort (Ile d'Aix)	1008·6	57	SSW	4	o	1009·3	+2	54	o	SW	5	*	r	*	28	64	52				
	Biarritz	1009·9	64	NNW	1	tl	1011·8	+1	58	+3	SSW	1	*	c	1	—	68	52				
	Paris	1007·7	64	SSE	1	r	1007·4	+1	55	+6	SSW	3	—	o	*	5	68	50				
	Belfort	1012·6	53	E	4	c	1013·1	*	52	+7	—	0	*	c	*	10	59	44				
	Lyons	1011·1	59	S	2	o	1012·3	*	55	+2	—	0	*	o	*	9	71	47				
	Nice	1014·7	54	S	1	o	1015·3	o	56	o	—	0	*	cf	?	—	64	50				
	Perpignan	1011·9	59	NE	2	o	1011·9	o	57	o	E	1	—	o	*	—	66	34				
	Sanguinaire	1016·4	61	W	1	b	1014·0	*	62	+3	E	2	*	b	1	—	70	54				
SOUTHERN STATIONS.	Corunna	1011·1	60	N	4	c	1013·2	+2	59	+2	S	2	—	c	2	1	64	52				
	Madrid	1010·1	66	WSW	3	bc	1014·3		54	+2	—	0	—	b	*	—	68	46				
	Lisbon	1012·8	63	SSW	4	c	1013·3	o	59	o	—	0	—	b	5	—	68	55				
	Azores (Horta)	1006·1	*	SW	7	o	1001·7	o	57	+3	WNW	7	*	o	4	4	63	55				
	Madeira	1018·3	64	N	1	o	1014·9	−2	57	−2	—	0	—	b	o	—	64	57				
	Gibraltar	1012·5	66	NW	5	b	1012·2	*	56	−5	NW	2	*	m	1	—	71	55				
	Malta	*	*	*	*	*	1015·7	+2	66	+5	—	0	NW	bc	1	—	68	61				
	Limassol	*	*	*	*	*	1015·0	+1	73	+1	W	3	—	b	2	—	79	46				
	Alexandria	1017·6	66	NNE	2	b	1017·2	+1	70	+2	NE	2	—	b	1	—	75	63				
	Cairo (Helwan)	1015·3	73	NE	4	b	1015·1	+1	68	o	NE	3	—	b	*	—	84	59				

RAINFALL.

Equivalents of Millimetres in Inches.

mm.	Inches.	mm.	Inches.
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·10
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69
19	0·75	44	1·73
20	0·79	45	1·77
21	0·83	46	1·81
22	0·87	47	1·85
23	0·91	48	1·89
24	0·95	49	1·93
25	0·98	50	1·97

LONDON OBSERVATIONS.

	Humidity. 15 h. 7th	Humidity. 9 h. 8th	Sunshine for 7th	24 Hours ended 9 h. 8th May. Temperature. Max.	Temperature. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	51	41	12·3	60	38	29	—	b	b	bc.b
CITY (Bunhill Row)	*	*	11·0	*		*	*	*	*	*
WESTMINSTER (St. James's Park)	41	66	11·7	60	40	32	—	bc	b	b
CAMDEN SQ. (British Rainfall)	41	65	11·9	64	38	35	—	b	b	*
HAMPSTEAD (Reservoir)	*									
S. KENSINGTON (Museum Grounds)	*	61	12·5	60	40	36	—	b	b	b

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during 7th

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
2134	39·3	74·5

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

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

Issue No. 20,257. **DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917.** { Wednesday 9th MAY.

YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON Tuesday 8th May, 1917.

Temperature was very variable, maxima from 41° to 64° being registered. Rain and sleet showers fell in Scotland. Many parts of Scotland had no sunshine, other regions had good to very good records.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR Tuesday 8th MAY, UP TO 17 H.

	STATIONS.	Sunshine for 7th	Rainfall. Night. 17h-9h.	Rainfall. Day. 9h-17h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 17h. 8th
			Mm.	Mm.	°F.	°F.			Hr.
Scotland.	Oban	6·3	1	2	45	34	r,o	o	0·0
	Banff	4·1	7	–	47	34	o r	r,bc	0·0
	Montrose	2·5	5	8	46	35	r	r	0·0
	St. Andrews								
	Carnoustie	4·5	*	*	41	38	r	r	0·0
Midlands.	Harrogate	11·0	–	–	49	34	bc,b	b,bc	7·8
	Skegness	12·9	–	–	42	39	bc	bc	8·0
	Morecambe	11·7	–	–	56	40	b	b	10·3
	Southport	12·2	–	–	57	36	b	b2	9·7
	Leamington Spa								
	Malvern	9·0	–	–	60	35	b	b	?
	Ross-on-Wye	9·1	–	–	60	35	b	b	11·6
Wales.	Rhyl	13·1	–	–	57	39	bc	b,bc	10·4
	Colwyn Bay	11·5	–	–	53	42	bc	bc	10·0
	Llandudno		*	*	54	41	b	b	11·0
	Aberystwyth	13·5	*	*	56	43	c,b	b,bc	11·5
England, E.	Lowestoft	12·6	–	–	47	41	o,c,bc	bc	6·2
	Felixstowe	13·3	–	–	52	41	cb	bv	7·8
	Walton-on-Naze								
	Southend-on-Sea	13·0	–	–	55	42	bc,b	b	9·5
England, S.E.	Margate	12·7	–	–	47	44	c	b	5·2
	Hastings	11·7	*	*	57	44	bc,b	b	8·0
	Eastbourne	11·7	–	–	58	45	o,c,bc	b	7·1
	Seaford		–	–	61	44	bc	b	6·5
	Brighton		–	–	63	45	o,c	c,b	6·4
	Worthing	11·6	–	–	63	43	c,bc	b	7·5
	Littlehampton								
	Bognor								
	Bournemouth	13·6	*	*	64	39	b	b	?
England, S.W.	Weymouth		*	*	61	40	b2	b2	11·0
	Torquay	13·2	–	–	58	41	b	b	11·7
	Paignton								
	Penzance	6·2	–	–	59	44	b	b	10·7
	Newquay	9·7	–	–	58	36	b	b	10·6
	Bude	13·7	–	–	64	40			11·8
	Ilfracombe	12·2	–	–	56	40	b	b	11·0
	Weston-s-Mare	10·5	*	*	62	40	b	b	11·5

REPORTS FROM FOREIGN STATIONS FOR Tuesday, 8th MAY.

	STATIONS.	Evening of 7th May: Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	Morning of 8th May: Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					‡	°F.	°F.					°F	°F
Russia 7 a.m. and 9 p.m. Local time.	Archangel	991·4	46	SE	3	bc	993·0	+2	36	–12	SSW	4	c	2	*	34
	Gorki	1013·5	37	W	1	b	1008·3	0	41	+7	SW	2	bc	–	*	32
	Velieki Luki						1005·7	*	39	+3	SSW	4	bc	–	*	34
	Hangö	1003·7	34	W	7	b	1001·9	0	36	+2	WNW	2	c	–	*	30
	Riga	1007·8	39	SW	1	c	1008·4	+4	39	0	WNW	4	b	1	*	34
	Petrograd	997·5	36	WSW	5	o	996·7	–1	34	0	WSW	4	o	1	43	34
	Moscow	1008·8	39	WSW	2	b	1011·5	0	37	–6	SW	3	b	6	*	32
	Kiev	1019·8	43	NW	2	b	1020·8	+1	46	+9	WSW	3	b	–	*	36
	Kharkov	1019·1	36	–	0	b	1023·1	+2	37	–9	–	0	b	4	*	28
	Kishinev	1019·8	46	NW	2	bc	1021·6	+2	39	–9	NE	1	b	–	*	32
	Elisabetgrad	1020·3	39	–	0	b	1023·1	+3	39	·	–	0	b	–	*	28
	Nicolaiev	10193	45	NNE	2	c	1022·4	*	43	–9	–	0	b	–	*	34
	Odessa														*	
	Tarkhankout						1020·3	*	48	·	ENE	4	o	–	*	45
	Soukhoum						1020·7		57	+7	NE	1	b	–	*	?
Mediterranean.	Venice	1016·1	55	NNE	1	o	1014·7	*	57	–2	E	1	o	8	61	55
	Pesaro	1015·8	63	ENE	1	bc	1015·4	*	61	0	S	1	bc	–	68	54
	Rome	1017·0	61	W	1	b	1017·0	*	59	–4	NW	1	b	4	92	50
	Viesti	1016·3	63	NNW	1	b	1016·1	*	63	–1	SE	1	b	–	66	55
	Brindisi	1015·0	63	WNW	1	b	1015·3	*	57	–4	WNW	1	b	4	93	57
	Cagliari	1015·7	72	SE	3	b	1010·3	*	68	+2	NW	4	b	4	90	57
	Palermo	1015·7	64	–	0	b	1016·5	*	61	0	–	0	b	4	90	48
	Tripoli						1015·3	*	68	+1	E	1	b	–	72	54
	Algiers	1010·4?	66	NNE	1	b	1011·4	+1	66	0	NE	2	m	1	75	63
Sweden.	Hernösand	1003·8	37	NW	2	c	1005·6	*	36	0	NW	6	b	*	*	*
	Stockholm	1006·7	41	W	2	c	1009·1	*	39	+2	WNW	4	b	*	*	*
	Wisby	1004·8	37	E	2	o	1009·9	*	37	–2	WNW	4	b	*	*	*

Morning of 8th May

Iceland.	Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather
		°F	°F			
Isafjord	1029·2	37	+7	W	3	c
Reykjavik	1030·1	32	0	–	0	b
Vestmanna						
Seydisfjord	1029·9	23	–5	N	1	b
Thorshavn	1023·3	39	+8	NE	2	0

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

9th and 10th May, 1917.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	4·10 / 4·8	11·49 / 11·49	7·28 / 7·30
Greenwich	4·21 / 4·19	11·56 / 11·56	7·31 / 7·33
Wick	4·2 / 4·0	12·8 / 12·8	8·14 / 8·16
Valencia	5·0 / 4·58	12·37 / 12·37	8·14 / 8·16

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar. frost; z. dust-haze, or smoke.

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‡ The barometric change is expressed in half-millibars.

THE MORNING OF WEDNESDAY, 9TH MAY, 1917.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.

FORECAST DISTRICTS.

GENERAL INFERENCE

The changes in progress point to a general SE. type of conditions over these Islands.

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 ¼ clouded. ◑ sky ½ clouded.
◕ sky ¾ clouded. ● overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤ thunder.
⊼, thunderstorm.

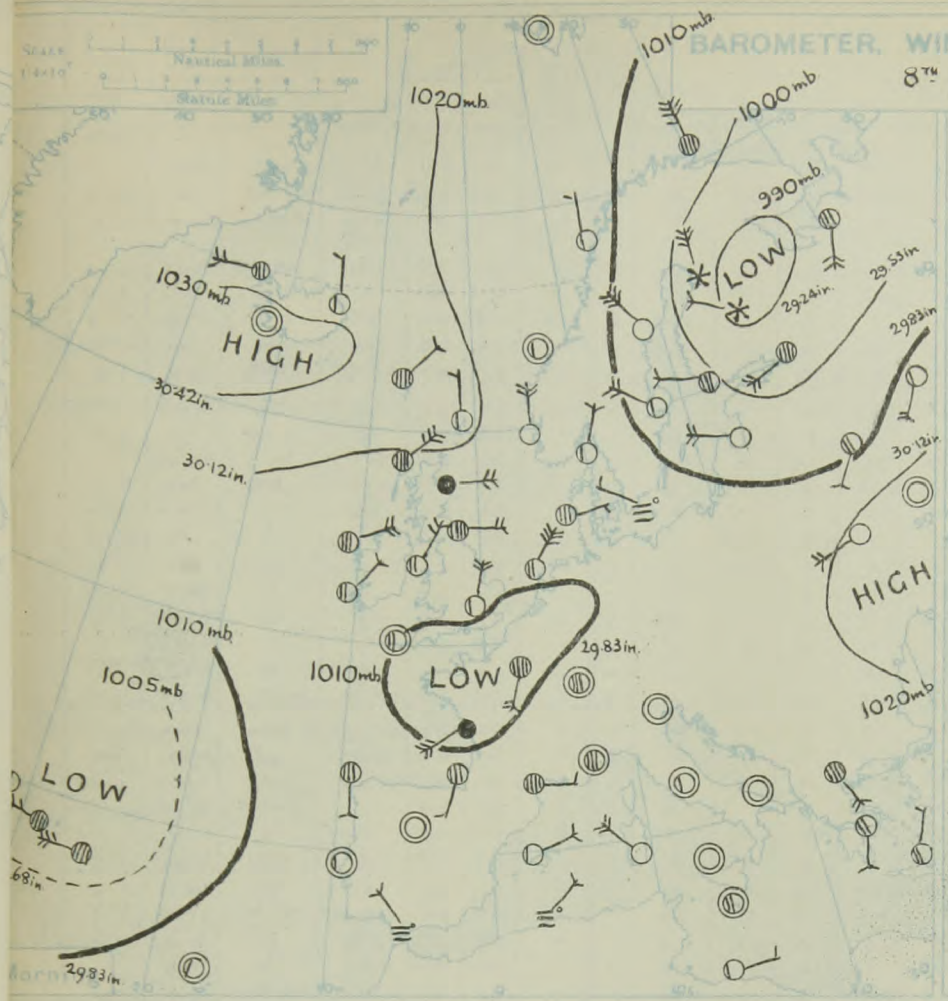
SEA DISTURBANCE.—Rough ~~. High ≈.

Normal Temperature of the Sea

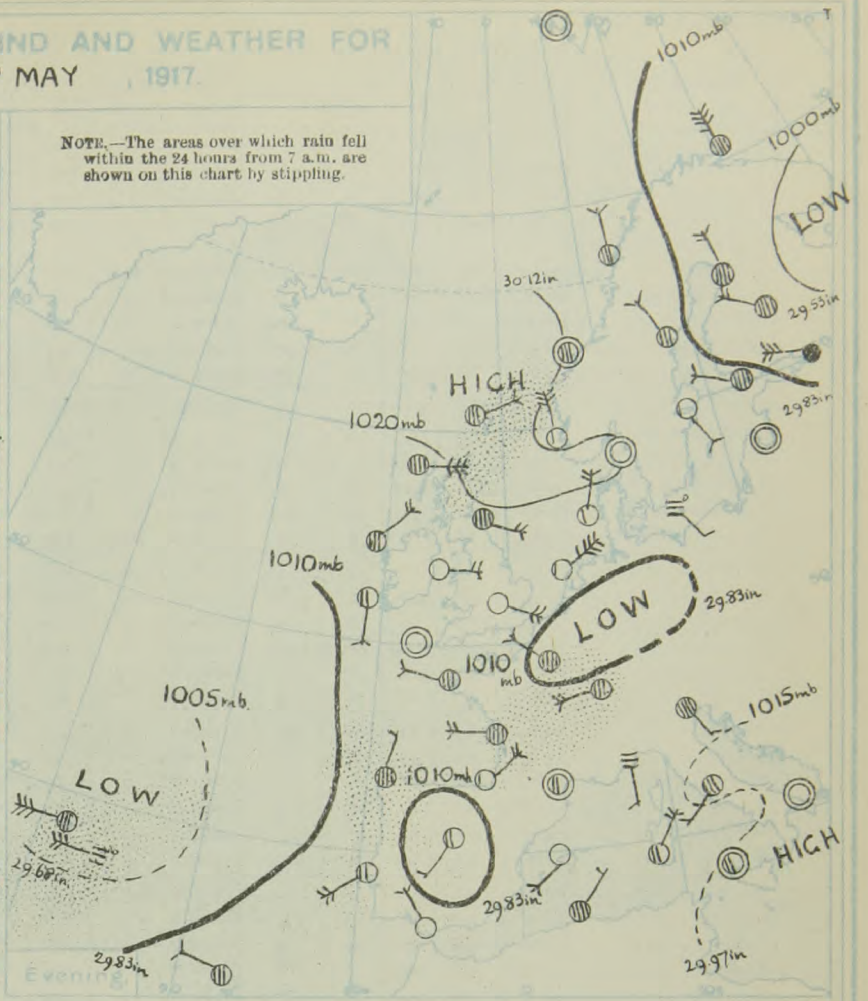
Scale of Tints for MAY.

1015mb. 1010mb. LOW 29.83in.
1020mb. 29.97in.
1025mb. 32° HIGH 32° 32
1025mb. 40° Barometer steady 40°
1020mb. 1015mb. Bar. falling slowly
1010mb. 50° Barometer rising LOW 50°
Barometer falling
1005mb. 1000mb. LOW 29.53in. 29.68in. 29.83in.
1015mb. HIGH 29.97in.

BAROMETER, WIND AND WEATHER FOR 8TH MAY, 1917.



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



FORECASTS NOON WEDNESDAY TO NOON THURSDAY

0 (a, b), 1, 2 (a, b) — Light to moderate E. to SE. breeze; generally fair to fine; cool.

3 — Moderate NE. breeze; veering SE; cloudy to fine; cool.

4 (a, b, c) — Same as 0, 1 and 2

5 — Same as No. 3

6 (a, b), 7 (a, b), 8 (a, b), 9 (a, b), 10 (a, b) — Light to moderate E. to SE. breeze; fine to dull, local showers and mist; cool.

11 — Freshening breeze between SE. and SW; rough sea; cloudy to dull, some rain; cool.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 129 {Wednesday 9th MAY.

	STATIONS.	EVENING OF 8th					MORNING OF 9th									24 HOURS ENDED 7 A.M. 9th						Sunshine for 8th
		Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12.	Weather.	Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Hours.
			°F.				‡		°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1020·4	41	ENE	2	c	1022·4	0	43	+6	ENE	2	NE	bc	2	3	44	38	bc.o	ep	bc	*
	Deerness (Orkney)	1021·0	41	E	3	bc	1022·0	*	44	+5	ENE	1	E	bc	1	—	44	35	bc.b	b.bc	bc	13·5
	Stornoway ...	1019·2	42	E	6	cq	1020·0	0	40	+3	E	5	—	c	5	—	46	37	o.cq	c.odpq	bc.c	1·9
	Castlebay (Barra Isd.)																					
	Glasgow ...	1016·5	39	ENE	4	om	1019·3	+1	38	-1	ENE	4	—	omd	*	2	41	36	odm	od.om	omd	0·0
	Eskdalemuir ...	1016·1	42	ESE	4	o	1019·4	0	37	+1	ENE	3	—	o	*	—	47	34	c	c.o	o	2·0
	Malin Head ...	1013·2	45	E	5	omq	1013·5	?	43	0	E	5	—	omq	5	0·2	48	42	om	om	omq	0·8
	Blacksod Point	1011·6	50	NE	3	cm	1010·4	-1	47	+2	SE	3	S	cm	2	—	55	45	cm	cm	om	*
	Valencia (Cahirciveen)	1011·0	55	S	2	bc	1009·6	0	51	+8	E	3	S	cz	2	—	57	42	bc.cz	c.bcz	bcz	6·9
	Roche's Point	1011·9	52	SE	2	b	1011·8	*	50	+4	ESE	2	—	o	2	Trace	55	43	bz	bz	b.om	*
	Birr Castle ...	1011·3	59	E	1	m	1012·2	*	42	0	SE	1	—	m	*	—	62	39	z	z.cz	z	9·0
	Donaghadee ...	1013·7	47	ENE	2	bcm	1015·8	+1	42	-2	SE	4	—	cm	3	—	49	42	bm	bcm	bm.cm	*
	Liverpool (Bidston)	1012·6	53	ENE	3	m	1011·1	0	40	0	ESE	3	—	b	4	—	57	36	o.bm	bz	bm	8·2
	Holyhead ...	1011·7	53	E	3	bm	1011·0	+1	45	+1	E	3	—	bcm	2	—	56	42	bm	bm	o.bcm	10·4
	Pembroke (St. Ann's)	1011·5	56	N	2	b	1013·6	+2	45	-1	E	4	—	b	3	—	58	45	b	b	b	12·3
	Scilly (St. Mary's)	1011·3	56	—	0	bm	1012·0	0	49	0	SE	3	SW	bm	3	—	58	47	bcm.cm	bm	bm	11·4
	Falmouth ...	1011·0	52	SSE	1	bz	1012·7	+2	48	-1	E	5	—	oz	*	—	56	43	b	b	bz.o	11·6
	Jersey (St. Aubin)	1010·7	58	W	3	b	1013·3	*	46	-2	E	3	—	om	3	—	59	44	o.b	b	b.om	8·6
	Portland Bill ...	1010·9	49	WNW	2	bc	1014·4	+2	44	-1	E	4	E	o	3	—	54	43	b	b	b.bc.c.o	*
	Dungeness ...	1011·8	49	NE	4	b	1015·9	+2	44	-1	NE	4	—	o	4	—	54	42	c.b	b	b.bc.o	*
	Dover	1011·7	45	N	5	b	1015·8	?	46	+1	NE	4	NE	o	3	—	57	40	o.c.bc	bc.b	bc.c.o	12·7
	Wick	1020·8	40	ESE	2	bc	1022·1	0	40	+2	—	0	—	bc	2	1	42	25	ompge	c.bcm	bcm	*
	Nairn	1019·3	40	ESE	2	eq	1020·2	*	40	+6	ESE	2	—	bc	2	2	41	33	orspd	od	cg.bc	0.0
	Aberdeen ...	1020·4	38	E	4	r	1021·8	0	41	+2	ESE	2	—	c	3	5	41	34	or.od	ordp	op.o.c	0.0
	Leith	1016·9	41	E	2	r	1019·3	0	40	-1	E	2	—	o	3	1	46	39	o	o.emd	or.od	*
	Tynemouth ...	1017·0	43	ESE	3	-o	1019·7	+1	42	+2	SE	3	—	c	3	—	44	39	om	o	c	*
	Spurn Head ...	1015·3	43	ESE	5	bcq	1019·1	0	43	+2	E	4	—	c	5	—	47	40	bcq	bcq	beq.o	3·8
	Yarmouth (Gorleston)	1013·3	44	ENE	5	bc	1017·6	+3	45	+2	ENE	4	—	b	4	—	47	41	bc	bc	bc.b	11·2
	Clacton-on-Sea	1012·7	48	NE	4	b	1016·5	+2	44	0	NE	3	E	bc	2	—	52	38	og.c.bc	bc.b	b.bc	8·9
	Nottingham ...	1014·5	48	E	4	b	1018·2	*	42	+3	E	4	NE	b	*	—	54	37	c.b	b	b.bc	11·0
	Benson (Oxon.) ...	1011·0	60	NE	2	b	1016·7	+2	38	-2	E	2	—	o	*	—	63	33	c.bc	b	b.o	*
	Sth Farnborough	1010·5	58	ENE	3	b	1016·1	+2	40	-3	ENE	3	—	om	*	—	62	36	b.bcz.	bc.bz	b.om	10·3
	London (Kew Obsy.)	1011·7	57	ESE	4	bz	1016·8	+2	42	0	ENE	2	—	om	*	—	61	40	bm.bz	bz.	bz.om	11·2
NORTHERN EUROPE.	Spitsbergen ...	1018·6	14	—	0	b	1017·1	0	1	-8	—	0	*	b	*	*	15	-9				
	Vardö	1005·0	25	N	7	0	1008·2	+1	23	-4	N	11	—	o	6	*	27	23				
	Bodö	1016·8	34	N	2	c	1019·5	0	32	-2	N	1	—	c	1	—	36	28				
	Christiansund ...	1020·0	39	—	0	c	1022·1	+1	36	-1	—	0	—	b	4	1	39	34				
	Skudesnaes ..	1017·1	41	NNW	5	b	1019·8	+1	41	+2	SE	2	—	b	2	—	43	32				
	Færder (X'tania Fjord)	1015·7	41	WSW	3	b	1020·7	+2	39	+2	N	3	—	b	1	—	43	36				
	The Scaw (Skagen)	1021·6	43	—	0	b	1019·4	+2	43	0	NNE	2	—	b	2	—	46	32				
	Blaavands Huk	1015·4	41	NNE	3	b	1017·9	+1	41	-2	ENE	2	—	c	?	—	45	32				
	Copenhagen ...	1016·4	45	NNE	3	bc	1016·7	+1	43	0	NW	2	—	bc	*	—	46	37				
	Bornholm ...	1014·7	41	SE	1	m	1015·8	+1	39	0	ESE	3	—	b	0	—	46	34				
FRANCE, &c.	The Helder ...	1011·1	46	NE	7	b	1015·9	+2	45	0	NNE	5	—	b	3	—	48	45				
	C. Gris Nez ...	1010·4	47	NE	4	b	1015·0	0	45	-2	NE	4	*	o	3	—	54	43				
	La Hêve	1012·6	53	N	2	m	1014·4	*	44	-3	NE	2	*	f	1	—	55	43				
	Brest (St. Mathieu)	1011·7	59	WNW	2	c	1012·6	0	54	+4	ESE	2	*	o	1	—	64	50				
	Rochefort (Ile d'Aix)	1013·6	55	W	1	o	1013·2	0	55	+1	E	1	*	o	*	8	59	54				
	Biarritz	1013·2	61	NE	3	b	1010·1	-2	59	+1	ESE	3	*	c	1	—	68	50				
	Paris	1009·0	61	WNW	2	o	1014·6	+2	48	-7	NNE	1	—	c	*	1	64	43				
	Belfort	1011·9	54	WSW	3	c	1015·8	*	52	0	W	4	*	r	*	5	57	54				
	Lyons	1012·6	55	N	1	tlr	1014·6	*	55	0	—	0	*	bc	*	7	65	50				
	Nice	1013·9	54	S	1	f	1014·1	+2	59	+3	—	0	*	bc	2	—	66	48				
	Perpignan ...	1013·5	61	—	0	bc	1014·1	+1	59	+2	W	1	—	b	*	—	72	54				
	Sanguinaire ...	1012·3	64	W	3	o	1013·9	*	61	-1	W	2	*	bc	1	—	70	64				
SOUTHERN STATIONS.	Corunna	1012·3	61	NNE	1	o	1008·2	-2	62	+3	SSW	4	—	c	3	Trace	63	54				
	Madrid	1010·3	68	—	0	bc	1013·2	+2	59	+5	ESE	1	SW	bc	*	—	72	52				
	Lisbon	1012·6	64	SW	4	bc	1011·3	0	59	0	—	0	—	o	5	—	68	57				
	Azores (Horta) ...	1004·0	*	W	6	c	998·9	-2	60	+3	SSW	5	*	r	3	32	64	57				
	Madeira	1014·4	64	W	2	c	1012·8	-2	61	+4	W	1	W	o	1	—	66	57				
	Gibraltar	1009·8	63	NW	2	b	1013·5	*	60	+4	W	2	*	b	1	—	72	56				
	Malta	*	*	*	*	*	1016·0	+1	68	+2	S	1	NW	c	1	—	73	61				
	Limassol	*	*	*	*	*	1012·7	+2	72	-1	W	2	—	b	0	—	84	46				
	Alexandria ...	1014·7	68	NNE	1	b	1014·1	0	73	+3	—	0	—	b	0	—	75	63				
	Cairo (Helwan) ...	1012·3	73	NNE	4	b	1012·7	+1	70	+2	NE	3	NW	b	*	—	84	61				

RAINFALL.

Equivalents of Millimetres in Inches.

mm.	Inches.	mm.	Inches
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·10
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69
19	0·75	44	1·73
20	0·79	45	1·77
21	0·83	46	1·81
22	0·87	47	1·85
23	0·91	48	1·89
24	0·95	49	1·93
25	0·98	50	1·97

LONDON OBSERVATIONS.

	Humidity. 15 h. 8th	Humidity. 9 h. 9th	Sunshine for 8th	24 Hours ended 9 h. 9th May. Temperature. Max.	Temperature. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	48	45	11·4	62	37	30	—	b	b	o.b
CITY (Bunhill Row)	*	*	11·0	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	44	71	11·0	63	39	42	—	b	b	bc
CAMDEN SQ. (British Rainfall) ..	38	65	11·5	68	38	35	—	b	b	*
HAMPSTEAD (Reservoir)	*	72	12·6	60	34	25	—	bc	bc	cx
S. KENSINGTON (Museum Grounds)	*	66	11·0	64	39	35	—	b	b	b

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during 8th May.

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
2019	37·1	70·5

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

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

Issue No. 20,258. **DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917.** Thursday 10th May.

YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON Wednesday, 9th May 1917.

The maximum temperature ranged from 41° at Glasgow to 65° at Farnborough. Showers fell in most districts in the night. Sunshine was very variable, none in places, 13·2 hours at Clacton.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR Wednesday 9th May UP TO 17 H.

	STATIONS.	Sunshine for 8th	Rainfall Night 17h-9h.	Rainfall Day 9h-17h.	Temperature Max.	Temperature Min.	Weather Forenoon.	Weather Afternoon.	Sunshine to 17 h. 9th
			Mm.	Mm.	°F.	°F.			Hr.
Scotland.	Oban	0·0	3	1	45	38	or	o	0·0
	Banff	0·0	–	–	47	25	o,c,b	bc	5·8
	Montrose	0·0	*	*	43	35	o	o	0·0
	St. Andrews		–	3	42	37	o	c	0·0
	Carnoustie	0·0	–	–	42	38	ocp	cpq	0·0
Eng. N.E.	Harrogate	8·3	–	–	51	37	c,bc	b	7·4
	Skegness	8·4	–	–	48	40	bc	b	10·8
Eng. N.W.	Morecambe								
	Southport	10·2	–	–	60	36	bccz	bc	8·6
Midlands.	Leamington Spa								
	Malvern		–	–	62	36	bc	bc	10·0
	Ross-on-Wye	13·0	–	–	62	35	bc,b	bc	9·7
Wales.	Rhyl	10·4	–	–	60	37	c,bc	bc	10·0
	Colwyn Bay		–	–	61	40	bc	c	8·8
	Llandudno		*	*	61	39	b	bc,c	7·4
	Aberystwyth		*	*	63	44	cb	bc,c	10·5
England, E.	Lowestoft	8·2	–	–	48	41	bc,b	b	11·3
	Felixstowe	9·4	–	–	48	36	b	b	11·7
	Walton-on-Naze		–	–	48	38	bz,b	b	11·0
	Southend-on-Sea	11·1	–	–	55	39	b	b	9·0
England, S.E.	Margate	6·2	–	–	48	43	bc,b	b	9·8
	Hastings	9·5	*	*	56	40	o,bc,b	b	8·2
	Eastbourne	8·3	–	–	51	40	c,b	b	7·6
	Seaford		–	–	61	39	o	b	9·5
	Brighton	8·2	–	–	51	41	o,bc	bc	7·4
	Worthing	9·1	–	–	54	39	o,b	b	7·0
	Littlehampton								
	Bognor								
	Bournemouth		*	*	54	38	o	b	8·0
England, S.W.	Weymouth		*	*	51	41	oz,bc	bc,om	1·6
	Torquay	13·3	–	–	56	45	o	o	0·0
	Paignton		*	*	*	*	*	*	*
	Penzance	12·2	–	–	51	44	c,o	oz	0·0
	Newquay	12·3	–	–	49	40	cq	cq	2·6
	Bude	13·5	–	–	59	41	bc	o	5·8
	Ilfracombe	12·7	–	–	57	43	b	cz	6·5
	Weston-s-Mare	11·5	*	*	64	39	b	b,bc	11·0

REPORTS FROM FOREIGN STATIONS FOR Wednesday 9th May.

	STATIONS.	Evening of 8th May: Barom. Millibars at M.S.L.	Temp.	Wind Direc.	Wind Force 0–12.	Weather.	Morning of 9th May: Barometer. Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb.	Change in 24 hours.	Wind Direc.	Wind Force 0–12.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.				‡		°F.						°F	°F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel	996·4	36	S	2	c	997·7	+1	34	−2	SW	3	o	–	*	28
	Gorki						1019·1	0	43	+2	–	0	b	–	*	32
	Velieki Luki						1020·2	*	39	0	SW	3	b	6	*	30
	Hangö	1012·4	34	WNW	2	o	1016·6	+1	34	−2	WNW	1	o	–	*	27
	Riga	1016·0	36	–	0	b	1019·1	+1	41	+2	–	0	b	–	*	30
	Petrograd	1005·3	34	W	5	r	1013·0	+5	32	−2	WNW	4	s	2	45	?32
	Moscow	1014·4	39	WSW	3	b	1019·7	+4	41	+4	WSW	3	b	–	*	34
	Kiev	1018·7	52	S	2	b	1019·4	+1	50	+4	SSE	3	b	–	*	45
	Kharkov	1022·1	46	–	0	b	1023·5	+1	43	+6	–	0	b	–	*	30
	Kishinev	1017·3	54	SSE	2	b	1016·6	+1	48	+9	SE	2	b	–	*	45
	Elisabetgrad						1020·3	0	50	+11	ESE	2	bc	–	*	36
	Nicolaiev	1019·3	54	–	0	b	1019·3	*	50	+7	–	0	b	–	*	34
	Odessa	1019·8	54	SE	1	b	1019·3	+1	50		SE	2	o	–	*	45
	Tarkhankout	1019·9	54	NNE	2	o	1019·1	*	54	+6	–	0	o	–	*	46
	Soukhoum														*	
Mediterranean.	Venice	1012·9	61	SSE	1	o	1013·1	*	59	+2	NE	1	r	16	64	57
	Pesaro	1012·7	64	E	1	o	1013·8	*	61	0	SW	1	bc	2	72	57
	Rome	1016·1	61	SW	1	c	1014·7	*	64	+5	N	1	bc	–	73	44
	Viesti	1015·0	63	W	1	bc	1015·9	*	66	+3	NE	1	bc	–	68	57
	Brindisi	1015·1	61	–	0	b	1014·5	*	59	+2	NNW	1	b	–	68	57
	Cagliari	1013·0	72	NE	3	bc	1013·0	*	62	−6	NE	2	c	–	72	54
	Palermo	1015·1	68	–	0	bc	1014·5	*	61	0	–	0	f	–	70	50
	Tripoli						1014·5	*	73	+5	E	1	b	–	77	62
	Algiers	1010·7	64	NNE	1	o	1013·0	+2	63	−3	WSW	2	m	–	75	63
Sweden.	Hernösand	1011·3	41	NNW	2	c	1018·7	*	36	0	N	2	b	*	*	*
	Stockholm	1013·3	37	SE	2	b	1017·2	*	41	+2	NNW	2	c	*	*	*
	Wisby	1013·1	43	SW	2	b	1015·4	*	39	+2	SW	2	b	*	*	*

Morning of 9th May.

Iceland.	Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind Direc.	Wind Force 0–12.	Weather
		°F	°F			
Isafjord	1026·3	39	+2	–	0	c
Reykjavik	1026·9	37	+5	E	1	c
Vestmanna						
Seydisfjord	1025·9	25	+2	N	4	c
Thorshavn	1023·9	41	+2	NE	2	o

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

10th and 11th May, 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4·8 / 4·6	11·49 / 11·49	7·30 / 7·32
Greenwich	4·19 / 4·17	11·56 / 11·56	7·33 / 7·35
Wick	4·0 / 3·57	12·8 / 12·8	8·16 / 8·19
Valencia	4·58 / 4·56	12·37 / 12·37	8·16 / 8·18

Note.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar-frost; z. dust-haze, or smoke.

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‡ The barometric change is expressed in half-millibars.

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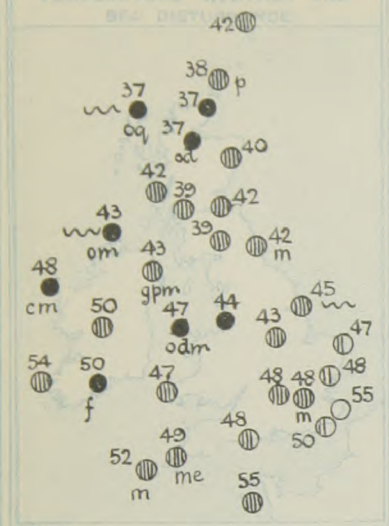
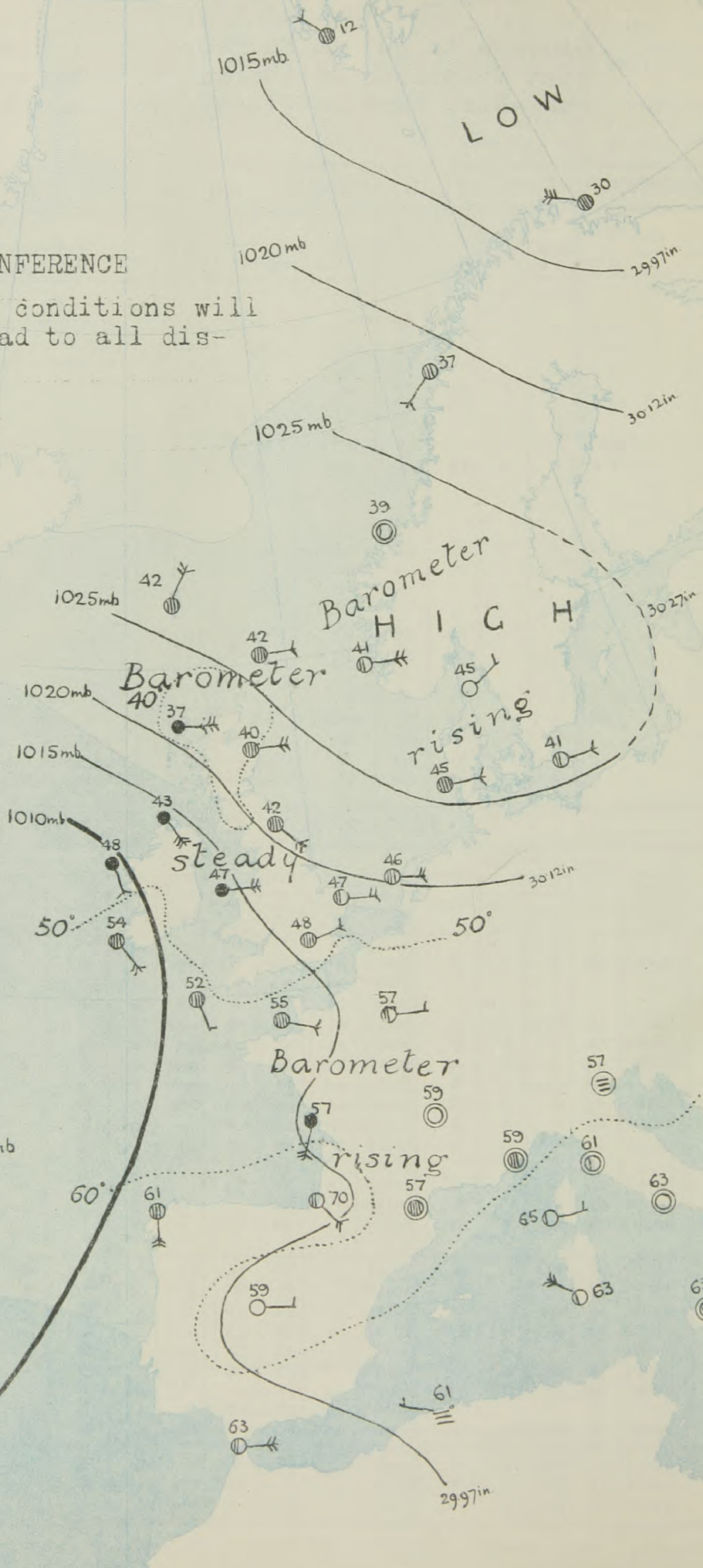
THE MORNING OF THURSDAY, 10TH MAY, 1917.



FORECAST DISTRICTS.

GENERAL INFERENCE

Less fine conditions will probably spread to all districts.



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 ¼ clouded. ◍ sky ½ clouded.
◍ sky ¾ clouded. ● overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤, thunder.
⊤, thunderstorm.

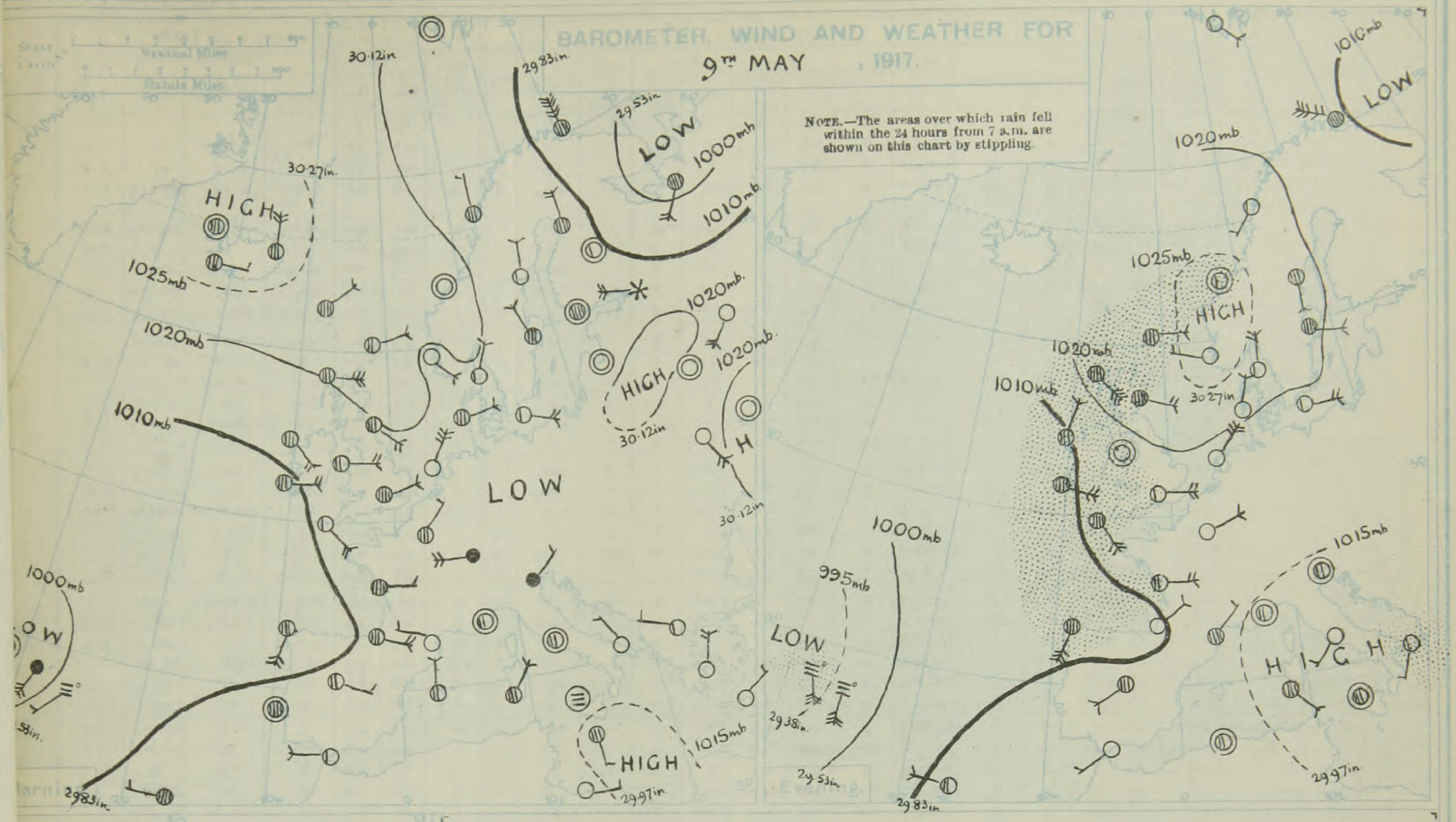
SEA DISTURBANCE.—Rough ~~~ High ≈≈≈.

SCALE 1 : 6·10
Nautical Miles
Statute Miles

Normal Temperature of the Sea.
Below 40° | 40°-50° | 50°-60° | Above 60°
Scale of Tints for MAY.

BAROMETER, WIND AND WEATHER FOR 9TH MAY, 1917.

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



FORECASTS NOON THURSDAY TO NOON FRIDAY

{ E. to SE. breeze, moderate or fresh in places; dull, some rain and mist; cool.

1 2{a b 3 4{a b c 5

Light to moderate E. - SE. breeze; fair or fine to dull, local passing showers; rather milder.

6{a b 7{a b

Same as No. 0

8{a b

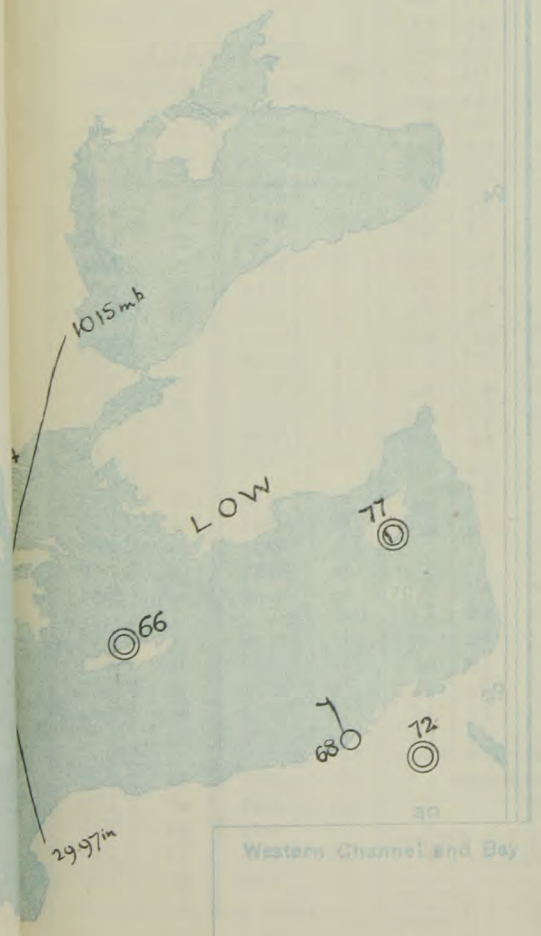
Moderate to light E. to SE. breeze; dull, some showers and mist; moderate temperature.

9{a b 10{a b

Same as No. 0

11

Moderate breeze between E. and S; sea moderate; dull, some rain, local mist or fog; rather milder.



FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 130. {Thursday 10th MAY

	STATIONS.	EVENING OF 9th				MORNING OF 10th								24 HOURS ENDED 7 A.M. 10th					Sunshine for 9th
		Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12.	Weather.	Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS	Lerwick ...	1024·3	43	E	2	c	1025·4	0	42	-1	E	2	—	o	2	—	46	40	bc	bc	o	*
	Deerness (Orkney)	1023·3	42	E	4	o	1024·4	*	38	-6	E	3	—	op	3	1	46	37	bc.c	c.o	op	8·8
	Stornoway ...	1020·3	43	ESE	6	cq	1020·4	0	37	-3	E	6	—	orq	5	3	46	36	cq	c.oq	op.orq	0·5
	Castlebay (Barra Isd.)																					
	Glasgow ...	1019·0	40	NE	5	o	1018·9	0	39	+1	NE	4	—	o	*	1	41	36	omdp	odp.o	oq.og	0·0
	Eskdalemuir ...	1019·0	42	E	4	o	1019·1	0	39	+2	NE	4	—	o	*	—	49	35	o	o	o	0·9
	Malin Head ...	1013·6	48	E	5	omq	1012·7	?	43	0	SE	5	~	orm	5	1	49	43	omq	omq	omr	0·0
	Blacksod Point	1009·8	53	NNE	2	cm	1009·9	0	48	+1	SSE	2	S	crm	2	3	61	47	cm	cm	cm.crm	*
	Valencia (Cahirciveen)	1008·9	55	ESE	4	o	1007·8	+1	54	+3	SE	3	SE	o	3	1	63	51	c.bcx	c.ox	ox.or	3·3
	Roche's Point	1011·9	50	ESE	4	om	1010·3	*	50	0	SE	3	—	mf	3	3	53	50	om	om	omrfd	*
	Birr Castle ...	1012·1	55	SE	2	o	1011·1	*	50	+8	SE	1	—	o	*	2	61	41	2	ox	op.o	9·3
	Donaghadee ...	1015·0	46	ESE	4	ogm	1014·5	+1	43	+1	SE	5	—	ogmp	4	1	48	42	em	ogmp	cm.omp	*
	Liverpool (Bidston)	1015·1	37	E	3	bc	1016·1	0	44	+4	E	3	E	r	2	0·2	59	40	bm	bc	c.or	7·7
	Holyhead ...	1013·5	56	—	0	bcm	1014·2	0	47	+2	E	4	—	odm	3	2	63	45	bcm	bcm	bc.odg	6·3
	Pembroke (St. Ann's)	1013·7	48	SE	2	c	1012·5	+1	47	+2	E	4	~	o	3	4	54	45	bc	bc.c	c.op.or	7·3
	Scilly (St. Mary's)	1012·1	50	SE	4	om	1011·5	0	52	+3	SSE	1	S	am	4	3	55	49	om	om	cm.omp	2·6
	Falmouth ...	1013·2	48	E	2	om	1012·0	0	49	+1	ESE	3	—	ome	*	4	49	46	ox.om	om	omr.cm	0·0
	Jersey (St. Aubin)	1013·8	57	E	2	bc	1012·9	*	55	+9	ESE	2	—	o	2	0·3	60	45	om	om.b.bc	c.op.o	2·3
	Portland Bill ...	1015·1	46	E	3	c	1013·5	-1	48	+4	E	3	S	c	3	1	48	44	o	o.c	c.or	*
	Dungeness ...	1015·5	48	NE	5	b	1015·8	0	50	+6	NE	4	NE	bc	4	—	54	44	c.b	b	b.bc	*
	Dover	1018·2	49	NNW	2	b	1016·5	ξ	55	+9	ENE	1	—	b	2	—	55	43	oc.bc	b	ox	9·9
	Wick	1022·8	41	SE	3	o	1022·9	0	37	-3	ENE	3	—	r	3	5	44	36	bcm.c	c.omq	omr	*
	Nairn	1021·1	37	SE	3	odg	1020·5	*	37	-3	—	0	—	od	1	6	45	33	acg	cd.	odp	2·5
	Aberdeen ...	1023·0	39	ESE	3	o	1022·7	0	40	-1	E	4	—	o	3	3	46	36	bc.c.o	o	or.o	3·3
	Leith	1019·9	42	E	2	o	1019·3	0	42	+2	E	2	—	o	3	0·2	44	39	od.oe	ogd.o	og.ou.c	*
	Tynemouth ...	1020·8	42	ESE	3	bc	1020·6	0	42	0	SE	3	—	om	4	—	46	41	bc	bc	om	*
	Spurn Head ...	1019·8	45	ESE	5	b	1019·5	0	45	+2	ESE	4	—	o	5	—	48	42	bc	bc	bc	10·4
	Yarmouth (Gorleston)	1018·5	44	E	4	b	1018·5	0	47	+2	ESE	3	—	bc	3	—	48	43	b	b	b.bc	12·8
	Clacton-on-Sea	1017·9	47	ENE	4	b	1017·5	0	48	+4	ENE	3	—	bc	2	—	49	43	bc.b	b	b.bc	13·2
	Nottingham ...	1017·4	50	E	4	b	1017·9	*	43	+1	E	3	E	o	*	—	58	40	b	b	b	12·3
	Benson (Oxon.) ...	1015·2	57	SE	3	b	1016·2	0	48	+10	NE	1	—	o	*	2	62	38	bc	bx	cd.or.o	*
	Sth Farnborough	1014·7	59	ENE	2	bc	1016·0	0	48	+8	ESE	2	—	om	*	1	65	39	om.b.bc	bc.c.bc	bc.orom	7·6
	London (Kew Obsy.)	1016·3	53	E	4	bx	1016·2	0	48	+6	ENE	2		om	*	0·2	60	42	om.bm.bx	bx	bx.orm	9·8
NORTHERN EUROPE.	Spitsbergen ...	1013·3	10	SE	2	b	1011·9	0	12	+11	NW	2	*	o	*	*	14	0				
	Vardö	1010·1	25	NW	9	o	1011·8	+3	30	+7	NW	5	—	o	4	*	30	23				
	Bodö	1022·3	34	SW	1	b	1021·6	0	37	+6	SW	2	—	c	2	—	37	30				
	Christiansund ...	1026·5	41	—	0	b	1028·0	+2	39	+3	—	0	—	b	3	1	43	34				
	Skudesnaes ..	1023·3	45	WNW	1	b	1026·3	+1	41	0	E	4	—	bc	2	—	46	32				
	Færder (X'tania Fjord)	1023·4	43	WSW	3	b	1027·7	+2	41	+2	E	1	N	b	1	—	43	39				
	The Scaw (Skagen)	1022·3	43	N	3	b	1027·3	+3	45	+2	NE	1	—	b	1	—	46	37				
	Blaavands Huk	1021·2	46	NNE	2	o	1025·6	+2	45	+4	E	2	—	o	3	—	52	30				
	Copenhagen ...	1019·9	50	N	3	bc	1026·4	+3	43	0	E	1	—	b	*	—	50	39				
	Bornholm ...	1019·3	37	E	3	b	1025·3	+3	41	+2	E	2	—	bc	0	—	43	34				
FRANCE, &c.	The Helder ...	1018·6	48	NE	5	b	1019·7	0	46	+1	E	3	SW	c	1	—	50	45				
	C. Gris Nez ...	1016·7	48	NE	4	b	1015·7	0	57	+12	SE	3	*	bc	1	—	57	45				
	La Hève	1013·7	56	SSE	2	o	°1013·7	*	54	+10	ESE	4	*	m	2	—	68	50				
	Brest (St. Mathieu)	1012·6	55	SSE	2	o	1013·7	+2	55	+1	ESE	4	*	o	2	—	66	50				
	Rochefort (Ile d'Aix)	1010·7	60	E	3	bc	1015·3	+3	57	+2	SSW	3	*	r	*	2	75	55				
	Biarritz	1009·0	73	NE	2	c	1012·4	+2	70	+11	SE	3	*	bc	0	—	79	59				
	Paris	1014·9	63	ENE	2	b	1015·8	+1	57	+9	E	1	W	bc	*	—	66	48				
	Belfort							*					*		*							
	Lyons	1014·0	66	—	0	c	1016·3	*	59	+4	—	0	*	b	*	—	72	50				
	Nice	1016·6	57	—	0	bc	1019·0	+3	59	0	—	0	*	c	0	—	66	48				
	Perpignan ...	1014·0	63	NE	1	o	1016·4	+2	57	-2	—	0	—	o	*	—	68	34				
	Sanguinaire ...	1016·2	63	N	2	b	1017·6	*	65	+4	E	1	*	b	1	—	75	56				
SOUTHERN STATIONS.	Corunna	1009·9	65	SSW	6	o	1013·1	0	61	-1	S	4	W	c	2	?	70	55				
	Madrid	1010·1	72	SW	2	c	1015·5	+2	59	0	E	1	—	b	*	—	74	45				
	Lisbon																					
	Azores (Horta) ..	999·2	*	SSE	4	m	1003·1	+3	57	-3	NNW	4	*	bc	3	20	64	55				
	Madeira	1012·7	66	W	2	bc	1010·0	-1	64	+3	W	5	SW	o	4	—	68	61				
	Gibraltar	1014·5	64	SW	1	b	1013·2	*	63	+3	E	4	*	bc	3	—	72	59				
	Malta	*	*	*	*	*	1017·5	+1	66	-2	SSW	1	—	bc	0	—	75	61				
	Limassol	*	*	*	*	*	1010·7	0	77	+5	—	0	—	b	?	—	84	50				
	Alexandria ...	1014·1	70	NE	1	b	1014·0	+1	72	-1	—	0	—	b	0	—	81	61				
	Cairo (Helwan) ...	1012·0	77	NNE	3	b	1012·4	+1	68	-2	N	1	—	b	*	—	90	69				

RAINFALL

Equivalents of Millimetres in Inches.

mm.	Inches.	mm.	Inches.
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·10
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69
19	0·75	44	1·73
20	0·79	45	1·77
21	0·83	46	1·81
22	0·87	47	1·85
23	0·91	48	1·89
24	0·95	49	1·93
25	0·98	50	1·97

LONDON OBSERVATIONS.

	Humidity. 15 h. 9th	Humidity. 9 h. 10th	Sunshine for 9th	24 Hours ended 9 h. 10th MAY. Temperature. Max.	Temp. Min.	Temp. Min. on Grass.	Rainfall.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	58	75	9·9	54	43	37	—	b	b	o.or.c
CITY (Bunhill Row)	*	*	9·8	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	53	74	10·0	59	46	?	Trace	b	b	r.b
CAMDEN SQ. (British Rainfall) ..	50	63	10·6	63	44	40	—	b	b	*
HAMPSTEAD (Reservoir)	*	75	11·0	58	41	33	—	ba	bc	c.op
S. KENSINGTON (Museum Grounds)	*	71	10·0	60	46	43	Trace	b	bx	b.p.cm.

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during 9th

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
1860	34·1	68·5

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

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

Issue No. 20259 **DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917.** FRIDAY 11TH MAY

YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON THURSDAY 10TH MAY 1917.

Rain fell over a large portion of the Kingdom, and thunderstorms occurred at Nottingham and Ross-on-Wye; at the former station the rainfall measured 17 mm. Temperature rose to between 65° and 70° at our southern stations, but failed to reach 50° on the north-east coast.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR THURSDAY 10TH MAY UP TO 17 H.

	STATIONS.	Sunshine for 9h	Rainfall. Night. 17h-9h.	Rainfall. Day. 9h-17h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 17 h. 10m
			Mm.	Mm.	°F.	°F.			Hr.
Scotland.	Oban	0·0	4	1	45	39	or	o	0·0
	Banff	5·8	5	-	47	33	oro	c	0·0
	Montrose	0·0	*	*	45	35	o	o	0·0
	St. Andrews								
	Carnoustie	0·0	*	*	45	41	o	o, bc, r	0·0
Eng. N.E.	Harrogate	8·3	-	2	49	35	or	or, o	0·0
	Skegness	12·2	-	-	50	42	o, bc	bc, o	0·9
Eng. N.W.	Morecambe		-	3	54	43	o	o	0·0
	Southport	8·6	2	1	55	42	ro	ro, c	0·0
Midlands.	Leamington Spa								
	Malvern								
	Ross-on-Wye	9·9	4	8	61	42	or, c	c, o r l r	0·8
Wales.	Rhyl	10·0	4	-	59	41	cr	bc, c	1·2
	Colwyn Bay				62	44	dc	bc	2·0
	Llandudno		*	*	61	44	r, c	c	0·5
	Aberystwyth		*	*	62	50	r. o, c	c, o	0·5
England, E.	Lowestoft	12·6	-	-	52	43	bc	bc	9·6
	Felixstowe	13·2	-	-	52	43	bcm	bcm	9·0
	Walton-on-Naze								
	Southend-on-Sea	10·5	-	-	62	44	bc, c	bc, c	5·8
England, S.E.	Margate	11·0	-	-	56	44	c, b	bc, c	6·3
	Hastings	9·6	*	*	67	46	bc, o, b	b	7·9
	Eastbourne	8·1	-	-	58	47	o, bc, b	b	7·7
	Seaford	10·4	-	-	70	47	b	b	7·7
	Brighton								
	Worthing	8·0	-	-	60	50	c, bc	b	4·6
	Littlehampton								
	Bognor								
	Bournemouth	8·0	*	*	60	42	o, c	c	4·5
England, S.W.	Weymouth		*	*	58	47	c, bc	b 7/8	6·3
	Torquay	0·0	1	-	61	46	o, c, b c b	b, bc	6·6
	Paignton								
	Penzance	0·0	4	-	57	48	c, o	o	0·3
	Newquay	2·6	3	-	62	46	c	c	2·2
	Bude	5·8	2	-	64	43	bc	bc	5·4
	Ilfracombe	6·5	-	-	61	45	b 7/8	b 7/8	4·8
	Weston-s-Mare	11·3	*	*	66	44	or, bc	bc	2·5

REPORTS FROM FOREIGN STATIONS FOR THURSDAY 10TH MAY

	STATIONS.	Evening of 9th: Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	Morning of 10th: Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					‡	°F.	°F.					°F	°F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel	1013·0	30	WNW	5	r	1016·8	+1	30	-4				-	*	25
	Gorki						1017·7	0	48	+5	W	1	o	-	*	45
	Velieki Luki							*							*	
	Hangö	1020·4	36	WSW	1	o									*	
	Riga	1019·9	45	NE	1	o	1021·3	+2	45	+4	NNW	1	b	-	*	39
	Petrograd	1021·3	34	-	0	bc	1022·1	+1	39	+7	S	1	c	-	39	28
	Moscow	1022·7	50	-	0	bc	1021·9	+1	48	+7	ESE	2	b	-	*	39
	Kiev	1017·2	61	SE	3	o	1016·6	0	57	+7	S	2	c	-	*	50
	Kharkov						1019·3	0	57	+14	-	0	o	-	*	52
	Kishinev														*	
	Elisabetgrad	1017·2	57	-	0	b	1017·5	0	55	+5	SSE	1	b	-	*	43
	Nicolaiev	1018·3	59	-	0	b	1016·7	*	55	+5	-	0	b	-	*	41
	Odessa	1017·9	55	SSW	2	b	1017·1	0	54	+4	SSW	2	b	-	*	48
	Tarkhankout						1016·2	*	57	+3	SSE	3	b	-	*	46
	Soukhoum	1018·1	59	SE	1	b	1017·1	0	?		ESE	?	?	-	*	?
Mediterranean.	Venice	1016·1	63	SSW	1	bc	1018·5	*	57	-2	ENE	1	f	-	70	57
	Pesaro	1016·2	61	E	1	b	1018·7	*	61	0	E	1	b	-	72	54
	Rome	1019·3	63	SW	1	b	1018·3	*	63	-1	W	1	b	-	75	54
	Viesti	1016·7	64	NW	1	bc	1017·1	*	64	-2	N	1	b	-	72	57
	Brindisi	1015·4	63	SSW	1	b	1016·2	*	61	+2	NW	1	bc	10	77	61
	Cagliari	1015·3	70	SE	2	o	1015·4	*	63	+1	NW	4	b	-	72	54
	Palermo	1016·9	72	-	0	c	1017·9	*	63	+2	-	0	o	-	81	55
	Tripoli						1014·7	*	68	-5	ENE	1	b	-	82	59
	Algiers	1013·6	64	E	1	bc	1015·3	+1	61	-2	WNW	1	m	-	?	43
Sweden.	Hernösand	1022·9	34	S	2	c	1025·2	*	37	+1	-	0	b	*	*	*
	Stockholm	1021·5	36	ESE	2	o	1026·1	*	37	-4	E	2	o	*	*	*
	Wisby	1018·7	41	N	2	b	1024·0	*	37	-2	NNW	2	b	*	*	*

Morning of 10th								
ICELAND.	Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather		
		°F	°F					
Isafjord	1030·6	41	+2	-	0	b		
Reykjavik	1029·3	37	0	-	0	o		
Vestmanna								
Seydisfjord	1029·2	37	+12	-	0	c		
Thorshavn	1027·3	42	+1	NE	3	o		

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

11th and 12th May, 1917.		Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth		4·6	11·49	7·32
		4·4	11·49	7·34
Greenwich		4·17	11·56	7·35
		4·15	11·56	7·37
Wick		3·57	12·8	8·19
		3·54	12·8	8·22
Valencia		4·56	12·37	8·18
		4·54	12·37	8·20

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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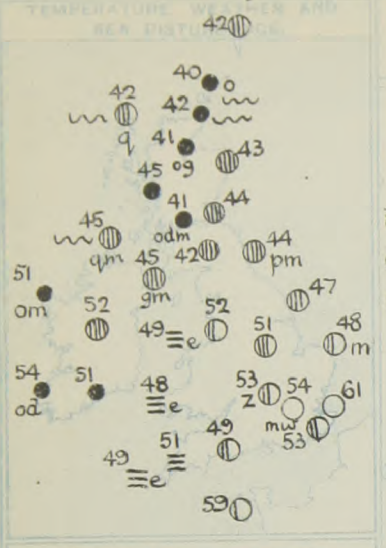
‡ The barometric change is expressed in half-millibars.

THE MORNING OF FRIDAY, 11TH MAY, 1917.

GENERAL INFERENCE

Changeable conditions are indicated, with a tendency for the development of local thunder.



EXPLANATION.

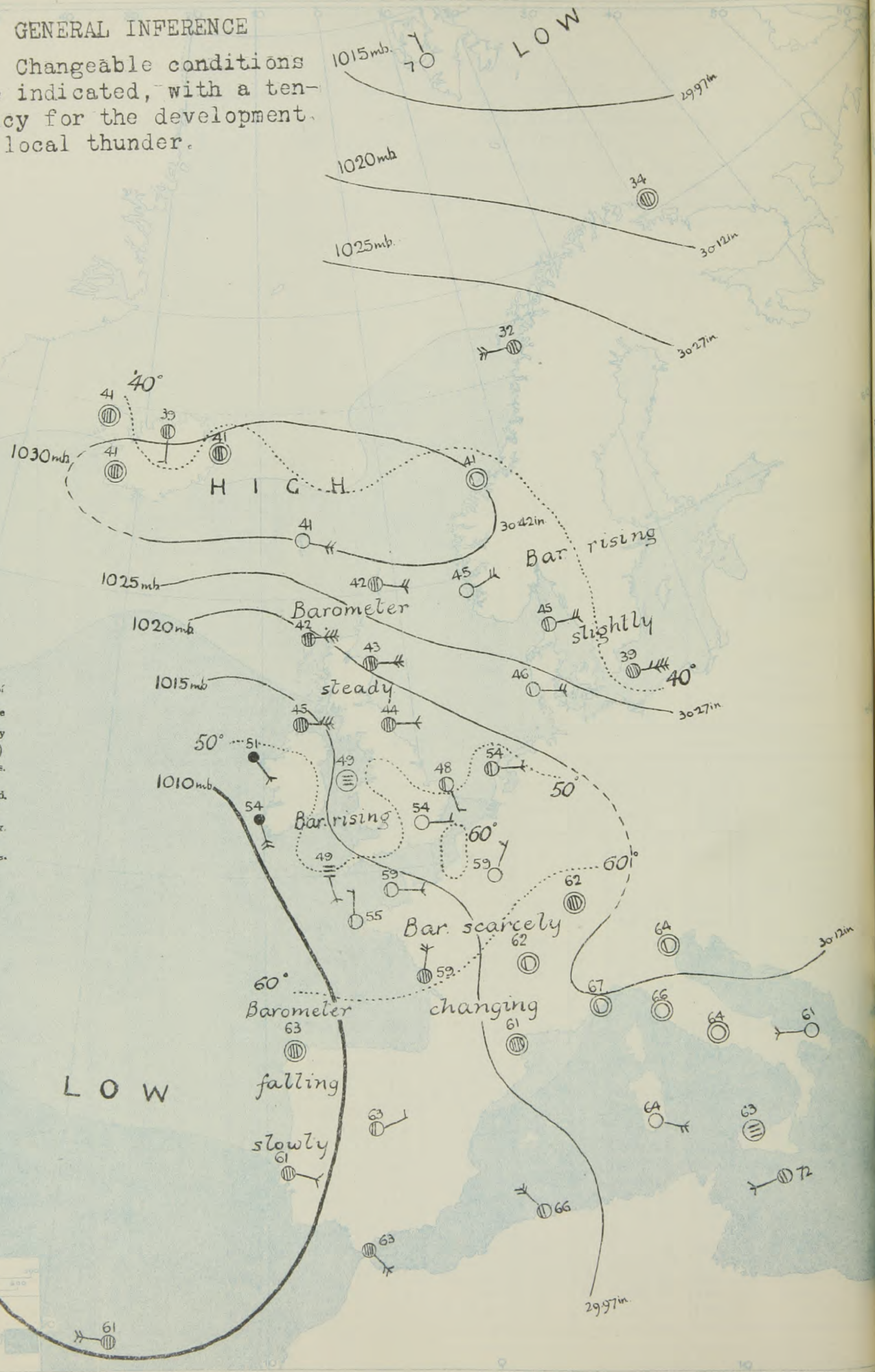
BAROMETER.—Isobars are drawn for intervals of five millibars.

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

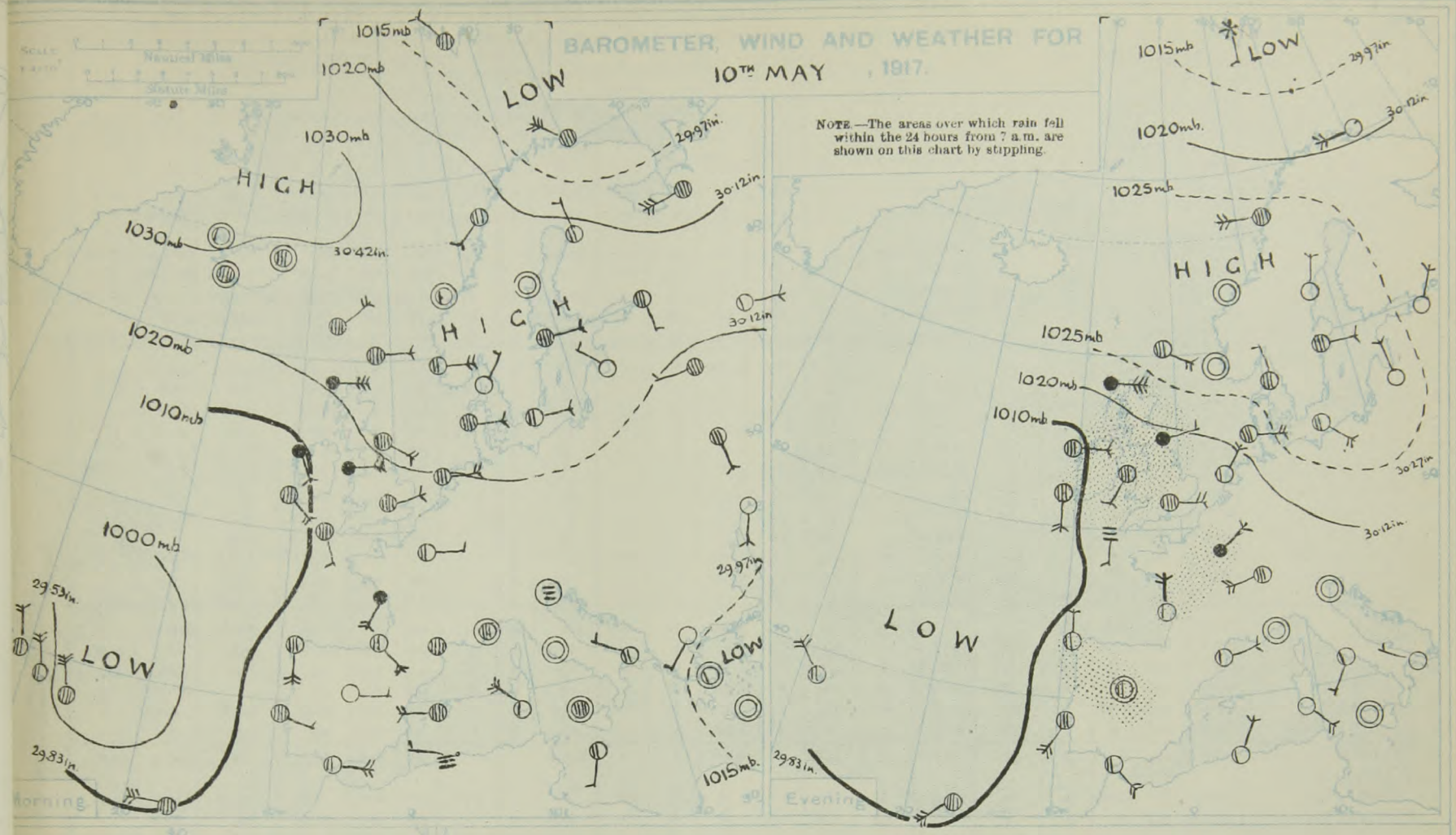
TEMPERATURE.—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

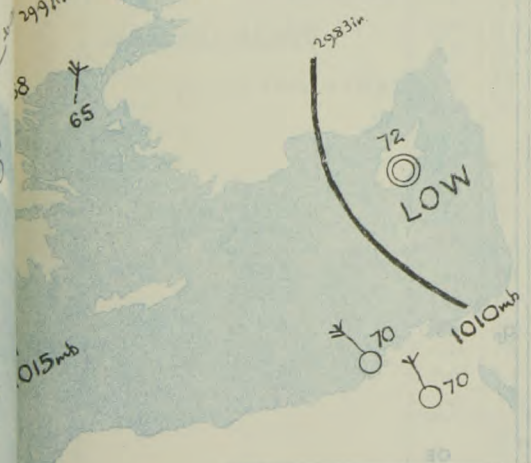
WEATHER.—Shown by the following symbols:—
◯ clear sky. ◔ sky ¼ clouded. ◑ sky ½ clouded. ◕ sky ¾ clouded. ● overcast sky. ● rain falling. ✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤ thunder. ⊼ thunderstorm.

SEA DISTURBANCE.—Rough ~~ High ≈≈.



BAROMETER, WIND AND WEATHER FOR 10TH MAY, 1917.





FORECASTS NOON FRIDAY TO NOON SATURDAY

0 (a) (b) 1 — Moderate or fresh E. breeze; dull some rain; cool.

2 (a) (b) 3 — Light variable breeze between E. and S; fine to cloudy, misty and close, probably local showers and thunder, rather warm.

4 (a) (b) (c) 5 — Same as Nos. 0 and 1.

6 (a) (b) 7 — Light SE. breeze; fine to cloudy, some showers, local thunder and mist, coast fogs; warmer.

8 (a) (b) 9 — Light to moderate SE. breeze; dull, some rain and mist, local thunder, sea fogs, rather warmer.

10 (a) (b) 11 — Freshening E. to S. wind; sea rather rough; fine at first, rain, thunder, mist or fog later; warmer.

Western Channel and Bay.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 131. Friday 11th MAY.

	STATIONS	EVENING OF 10th: Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	MORNING OF 11th: Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	24 HOURS ENDED 7 A.M. 11th: Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for 10th Hours.
BRITISH ISLANDS.	Lerwick ...	1027·3	41	ESE	3	c	1028·2	0	42	0	ESE	3	—	c	3	—	43	40	c	c	bc.c	*
	Deerness (Orkney)	1025·0	41	E	5	o	1024·4	*	40	+2	E	5	SW	or	5	4	42	38	od.o	o	or	0·8
	Stornoway ...	1021·3	38	E	6	orq	1018·9	−1	42	+5	E	6	—	cq	5	4	42	36	or.opq	orq	a.cpq	0·0
	Castlebay (Barra Isd.)																					
	Glasgow ...	1018·8	37	ENE	5	omq	1018·4	o	41	+2	ENE	4	—	omd	*	9	42	36	cp	opq	omp	0·0
	Eskdalemuir ...	1018·5	39	NE	4	o	1018·3	o	42	+3	N	3	—	o	*	8	44	38	o.or	or.od.o	od.o.or	0·0
	Malin Head ...	1012·5	44	SE	6	omq	1013·5	?	45	+2	ESE	5	—	omq	5	5	47	42	omqp	omqp	omq	0·0
	Blacksod Point	1009·4	45	E	2	cm	1011·0	0	51	+3	SE	2	—	omr	2	4	56	47	cmp	cmp	cmpr	*
	Valencia (Cahirciveen)	1009·4	38	S	3	c	1010·7	+2	54	o	SSE	4	—	od	3	6	61	54	od.c	c.bc.c	c.or.od	2·1
	Roche's Point	1010·9	52	S	3	om	1013·3	*	51	+1	SSW	3	—	r	3	7	54	50	f.odm	f.odm	omfd	*
	Birr Castle ...	1010·9	55	SE	1	o	1012·7	*	52	+2	S	1	—	o	*	2	57	49	c.op	op	op	0·2
	Donaghadee ...	1013·9	46	ESE	4	ogm	1014·7	+1	45	+2	SE	3	—	ogm	3	2	45	42	omp	omp	ogmp	*
	Liverpool (Bidston)	1014·5	55	ESE	2	c	1015·7	0	52	+8	ESE	3	E	bc	2	2	56	44	or	bc	o.bc	1·3
	Holyhead ...	1013·6	57	SW	2	cg	1015·5	+1	49	+2	—	0	—	fe	0	1	58	48	op.o	op.o.c	c.o.o.cf	0·1
	Pembroke (St. Ann's)	1013·8	52	SSE	2	c	1015·8	+2	48	+1	SE	3	—	fe	2	2	54	47	op.o	o.c	cfe	0·9
	Scilly (St. Mary's)	1013·6	55	S	1	fe	1014·9	0	49	−3	SSE	2	—	fe	3	0.1	57	47	om	fe	fe	0·7
	Falmouth ...	1013·5	54	SE	3	og	1014·6	0	51	+2	SSE	1	—	f	*	—	58	48	om.bc	o.c	om.of	2·8
	Jersey (St. Aubin)	1014·5	61	NNE	3	b	1014·6	*	59	+4	E	2	—	b	1	—	68	54	o.bc.o	o.b		6·8
	Portland Bill ...	1014·2	50	—	o	bc	1015·5	0	49	+1	ENE	2	SW	bc	2	—	52	45	cp	c.bc	bcw	*
	Dungeness ...	1014·8	53	NE	3	bc	1016·9	+1	53	+3	SSE	1	S	o	1	—	58	46	bc	bc	bc	*
	Dover	1017·6	62	NE	4	bc	1016·6	?	61	+6	—	o	—	b	1	—	68	50	b	bcz	bc.c.bz	9·2
	Wick	1024·6	39	ESE	3	r	1023·0	0	42	+5	ESE	4	—	r	5	4	42	36	ompr	omr	omrg	*
	Nairn	1022·2	38	ESE	1	odg	1019·9	*	41	+4	E	1	—	org	2	7	41	36	ocd	od	odg	0·0
	Aberdeen ...	1022·5	43	E	4	o	1021·5	0	43	+3	E	4	—	o	3	3	47	39	o	o	odr.o	0·1
	Leith	1019·3	41	E	2	r	1018·2	0	44	+2	ENE	2	—	o	4	8	45	39	o	r	rg.od.o	*
	Tynemouth ...	1019·2	44	ENE	1	od	1018·3	0	44	+2	E	2	—	omp	4	2	45	42	omp	om.b	omp	*
	Spurn Head ...	1018·5	46	E	1	op	1017·3	0	47	+2	ESE	2	—	c	4	1	49	44	op	cp	c	0·1
	Yarmouth (Gorleston)	1016·9	49	SE	2	bc	1017·6	0	48	+1	SSE	1	—	bcm	1	—	51	46	bc	bc	bcm	10·8
	Clacton-on-Sea																					
	Nottingham ...	1016·0	51	ENE	3	r	1016·9	*	51	+8	E	1	W	c	*	17	53	43	or	op.c	tlro	0·2
	Benson (Oxon.) ...	1013·6	64	S	2	bc	1015·8	+2	53	+5	—	o	S	bcz	*	1	66	41	or.o	bc	bcz	*
	Sth Farnborough	1013·7	66	SSE	3	bc	1015·6	o	54	+6	—	o	—	bcm	*	1	69	42	orm.o	o.bc	bc.c.bc	3·0
	London (Kew Obsy.)	1014·6	63	E	3	om	1016·7	+1	54	+6	E	1	—	bmw	*	—	68	46	om.oz	oz.cz.cm.om	om.bmw	1·1
NORTHERN EUROPE.	Spitsbergen ...	1010·6	12	S	1	s	1013·9	+2	7	−5	N	1	*	b	*	*	16	3				
	Vardö	1018·3	30	W	4	b	1017·2	0	34	+4	—	o	—	c	2	*	36	23				
	Bodö	1025·7	32	W	4	o	1028·8	+3	32	−6	W	4	—	c	2	?	37	25				
	Christiansund ...	1029·6	43	—	o	b	1030·0	+1	41	+2	—	o	—	b	3	—	45	34				
	Skudesnaes ..	1028·4	41	—	o	o	1028·4	0	45	+4	ENE	3	—	b	2	—	46	36				
	Færder (X'landa Fjord)	1028·7	43	WNW	1	o	1028·3	+1	45	+4	SSE	2	—	b	1	—	46	41				
	The Scaw (Skagen)	1028·2	43	NNW	1	c	1029·3	+1	45	o	E	3	—	bc	3	—	48	43				
	Blaavands Huk	1023·9	54	ESE	3	c	1023·5	0	46	+1	ESE	3	—	b	?	—	59	36				
	Copenhagen ...	1027·7	48	S	2	c	1028·4	+1	45	+2	SE	5	—	bc	*	—	52	41				
	Bornholm ...	1027·0	39	SE	3	bc	1027·9	o	39	−2	ESE	7	—	o	1	—	46	36				
FRANCE, &c.	The Helder ...	1017·5	54	NE	3	b	1017·5	+1	54	+8	E	2	W	bc	1	—	55	46				
	C. Gris Nez ...	1015·4	58	NE	3	c	1016·7	+1	64	+7	SE	1	*	b	1	—	70	54				
	La Hève	1015·0	64	ESE	3	o	1018·8	*	56	+2	ESE	2	*	m	1	2	68	52				
	Brest (St. Mathieu)	1015·5	58	NNW	1	b	1014·3	−1	55	o	N	1	*	b	5	—	68	50				
	Rochefort (Ile d'Aix)	1013·1	64	N	3	b	1013·3	o	59	+2	NNE	3	*	o	*	4	79	55				
	Biarritz												*									
	Paris	1017·0	59	ESE	1	r	1016·3	+1	59	+2	NE	1	W	b	*	13	79	52				
	Belfort	1017·5	66	WSW	4	c	1018·7	*	62		—	o	*	c	*	—	77	54				
	Lyons	1015·7	67	—	o	bc	1016·7	*	62	+3	—	o	*	b	*	—	77	53				
	Nice	1018·6	62	—	o	b	1019·1	+4	67	+8	—	o	*	b	1	—	72	54				
	Perpignan ...	1017·0	61	ENE	2	b	1016·7	o	61	+4	—	o	—	o	*	—	68	54				
	Sanguinaire ...	*					*	*					*									
SOUTHERN STATIONS.	Corunna	1010·6	67	N	2	bc	1008·3	−1	63	+2	—	o	S	c	1	1	73	55				
	Madrid	1009·6	73	—	o	bc	1012·7	+2	63	+4	ENE	1	SW	bc	*	?	77	55				
	Lisbon	1010·4	64	SW	4	c	1008·8	−1	61		ESE	2	—	o	6	—	72	61				
	Azores (Horta) ...	1005·7	*	WNW	4	bc	1009·5	+3	58	+1	WNW	4	*	bc	2	—	63	55				
	Madeira	1008·3	66	SW	5	o	1009·1	o	61	−3	W	4	SW	o	3	Trace	66	61				
	Gibraltar	1013·5	63	SE	4	bc	1012·8	*	63	o	SE	3	*	o	2	—	69	61				
	Malta	*	*	*	*	*	1018·9	+2	72	+6	W	2	—	bc	o	—	79	64				
	Limassol	*	*	*	*	*	1009·7	+1	72	−5	—	o	—	b	1	—	81	54				
	Alexandria ...	1013·2	68	N	2	b	1014·6	+1	70	−2	NNW	3	—	b	1	—	77	64				
	Cairo (Helwan) ...	1011·3	77	NE	4	b	1013·1	+2	70	+2	N	2	—	b	*	—	91	61				

LONDON OBSERVATIONS.

	Humidity. 15 h. 10th %	Humidity. 9 h. 11th %	Sunshine for 10th Hours.	24 Hours ended 9 h. 11th MAY. Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
GREENWICH (Royal Observatory)	60	64	0·6	67	45	33	—	o	o	cmb.bc
CITY (Bunhill Row)	*	*	0·8	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	58	64	0·6	67	47	44	—	bc	o	om
CAMDEN SQ. (British Rainfall) ..	59	60	1·9	70	46	42	—	o	o	*
HAMPSTEAD (Reservoir)	*	60	1·5	65	47	31	—	c.op	bc	bc
S. KENSINGTON (Museum Grounds)	*	62	0·5	67	50	41	Trace	o.c.bc	bc.o	o.c.bc

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during 10th

Total.	Average Rate.	Max. Rate
Joules.	Milliwatts.	Milliwatts.
843	15·4	65

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

GALES.

Duration and Extreme Force in British Islands.

Note.

Solar Halo was observed at Benson & Sth. Farnborough this morning.

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

Issue No. 20,260 **DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917.** SATURDAY 12TH MAY

YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON FRIDAY 11TH MAY 1917.

Temperature was low in the north, high in the south, 76° at Jersey, 77° at South Farnborough. Showers fell in several localities. A thunderstorm visited Portland Bill, and there was much coast fog locally. Sunshine varied greatly.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR FRIDAY 11TH MAY UP TO 17 H.

	STATIONS.	Sunshine for 10TH	Rainfall. Night. 17h-9h.	Rainfall. Day. 9h-17h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 17 h. 11TH
			Mm.	Mm.	°F.	°F.			Hr.
Scotland. N.E.	Oban	0·0	3	–	54	39	bc	o	0·7
	Banff	0·0	6	5	49	39	or	or	0·0
	Montrose	0·0	5	6	45	36	or	o	0·0
	St. Andrews	0	3	2	44	39	o		0·0
	Carnoustie	0·0	*	*	44	41	or	or,bc,og	0·0
England. N.E.	Harrogate	0·0	Tr.	–	59	41	oc	c,bc,c	1·0
	Skegness	0·9	–	–	55	45	bc	b	8·0
England. W.	Morecambe	0·2	2	1	58	48			3·2
	Southport	0·0	1	1	61	47	or	o,c,bc,b	4·7
	Leamington Spa								
	Malvern		12	–	71	43	bc,b	b	8·2
	Ross-on-Wye	0·9	1	–	72	49	c	b	7·2
	Rhyl	1·2	Tr.	Tr.	59	43	d	c,d,bc,b	5·2
	Colwyn Bay				58	51	c,d	bc	5·5
	Llandudno		*	*	57	50	c,r	c	4·1
	Aberystwyth		*	*	58	51	b	b bc	7·0
England. E.	Lowestoft	11·1	–	–	62	47	c,bc	bc	8·5
	Felixstowe	9·1	–	–	67	47	bcm	bcm	9·5
	Walton-on-Naze								
	Southend-on-Sea	7·0	–	–	72	48	bc	b	9·3
England. S.E.	Margate	6·3	–	–	62	51	b	b	10·4
	Hastings	8·9	*	*	72	52	b	b	10·4
	Eastbourne	8·3	–	–	67	47	b	b	10·8
	Seaford	8·8	–	–	76	47	b	b	11·2
	Brighton								
	Worthing	5·9	–	–	70	46	b	b	11·2
	Littlehampton		–	–	63	46	b	b	11·4
	Bognor								
	Bournemouth	5·2	–	–	69	40	bc	bc,c	9·4
England. S.W.	Weymouth		*	*					
	Torquay	8·3	–	–	64	45	b	b,bc	10·3
	Paignton								
	Penzance	0·3	Tr.	–	65	49	of,bc	bc	8·0
	Newquay	2·2	–	–	60	50	b	b	9·5
	Bude	5·4	–	–	68	50	b	b	10·7
	Ilfracombe	5·5	–	–	61	48	bz	bz	11·1
	Weston-s-Mare	2·5	–	–	71	45	bcz,d	bc,bz	7·0

REPORTS FROM FOREIGN STATIONS FOR FRIDAY 11TH MAY

STATIONS.	Evening of 10TH: Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	Morning of 11TH: Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
		°F.					‡	°F.	°F.					°F	°F
Archangel														*	
Gorki	1021·3	39	N	4	o	1027·0	+6	36	-12	–	0	b	–	*	32
Velieki Luki	1022·0	37	W	2	o	1028·0	*	37		SW	2	0	2	*	30
Hangö						1030·7	+3	34		NW	1	b	–	*	?
Riga	1027·7	36	NNW	2	b									*	
Petrograd	1023·0	37	NNE	2	c	1026·2	+2	36	-3	NW	3	b	–	46	30
Moscow	1015·8	55	W	1	o	1021·2	+6	36	-12	WNW	4	o		*	36
Kiev														*	
Kharkov														*	
Kishinev														*	
Elisabetgrad														*	
Nicolaiev							*							*	
Odessa														*	
Tarkhankout							*							*	
Soukhoum														*	
Venice	1019·0	66	SSW	1	b	1020·2	*	64	+7	ENE	1	b	–	70	57
Pesaro						1020·7	*	61	0	ENE	1	b		70	52
Rome	1018·6	63	SW	1	b	1019·1	*	64	+1	N	1	b	–	77	55
Viesti	1018·7	64	NW	1	b	1019·8	*	68	+4	WNW	3	b	–	72	57
Brindisi	1016·5	61	NW	2	b	1016·5	*	61	0	NW	2	b	–	64	52
Cagliari	1015·3	70	SE	3	b	1015·4	*	64	+1	SE	3	b	–	73	55
Palermo	1017·5	72	–	0	b	1018·1	*	63	0	–	0	f	–	77	54
Tripoli						1015·9	*	70	+2	E	1	b	–	73	59
Algiers	1011·9	63	NNE	2	b	1012·7		66	+5	NW	4	bc	–	68	63
Hernösand	1027·3	39	NE	2	b	1029·3	*	41	+4	–	0	b	*	*	*
Stockholm	?1029·0	39	E	2	c	?1031·0	*	45	+8	SSW	2	b	*	*	*
Wisby	1027·0	37	NNW	2	b	1030·0	*	41	+4	SW	2	c	*	*	*

ICELAND.	Morning of 11TH: Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather
		°F	°F			
Isafjord	1029·2	41	0	–	0	c
Reykjavik	1030·7	41	+4	–	0	c
Vestmanna						
Seydisfjord	1030·6	41	+4	–	0	c
Thorshavn	1030·0	41	-1	ESE	4	b

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

12TH AND 13TH MAY, 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4·4 / 4·2	11·49 / 11·49	7·34 / 7·36
Greenwich	4·15 / 4·13	11·56 / 11·56	7·37 / 7·39
Wick	3·54 / 3·52	12·8 / 12·8	8·22 / 8·25
Valencia	4·54 / 4·52	12·37 / 12·37	8·20 / 8·22

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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‡ The barometric change is expressed in half-millibars.

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TEMPERATURE WEATHER AND SEA DISTURBANCE

FORECAST DISTRICTS.

THE MORNING OF SATURDAY, 12th MAY, 1917.

GENERAL INFERENCE

The pressure changes favour a more Southerly type of conditions.

L O W

1020 mb.

30·42 in.

30·27 in.

1025 mb

1030 mb

HIGH

1025 mb

1020 mb

1015 mb

Barometer

Little changing

Bar. falling

1010 mb

Slowly

L O W

2·983 in.

29·97 in.

50°

60°

40°

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.

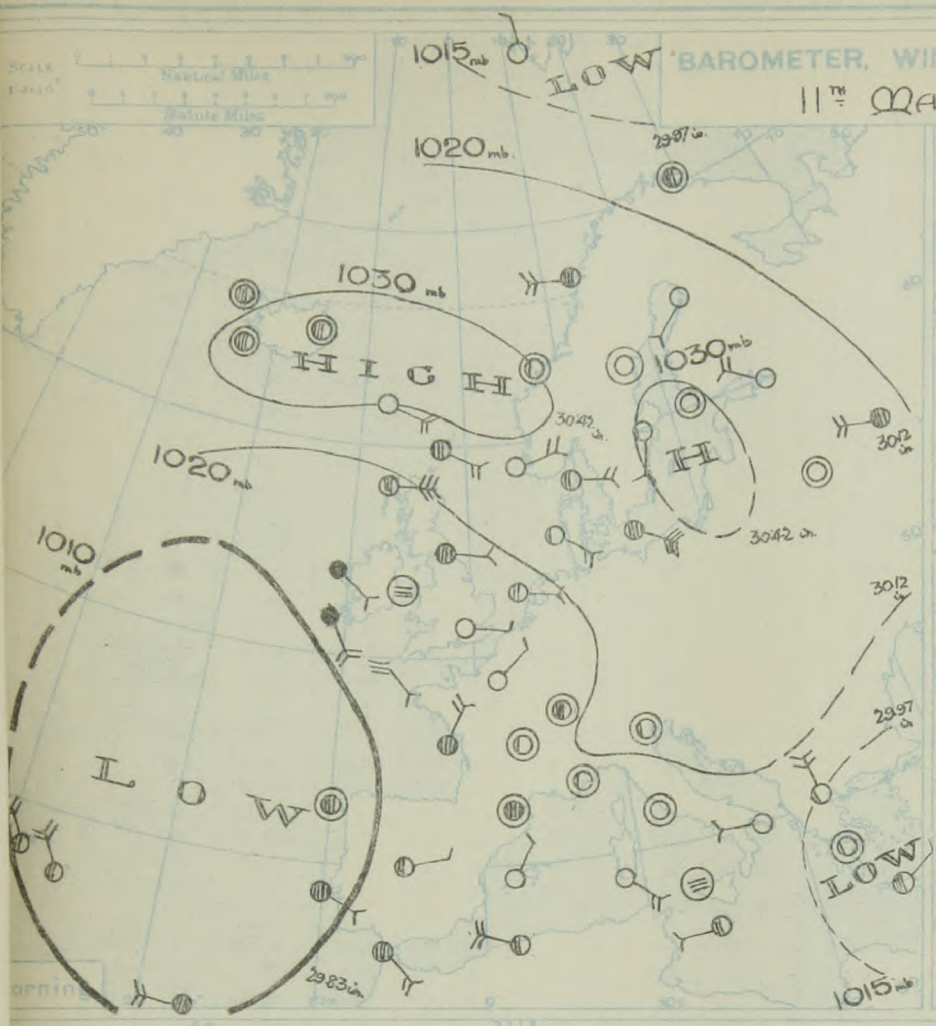
WEATHER.—Shown by the following symbols:—
◯ clear sky. ◔ sky ¼ clouded. ◑ sky ½ clouded. ◕ sky ¾ clouded. ● overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤ thunder. ⊼, thunderstorm.

SEA DISTURBANCE.—Rough ~~. High ≈.

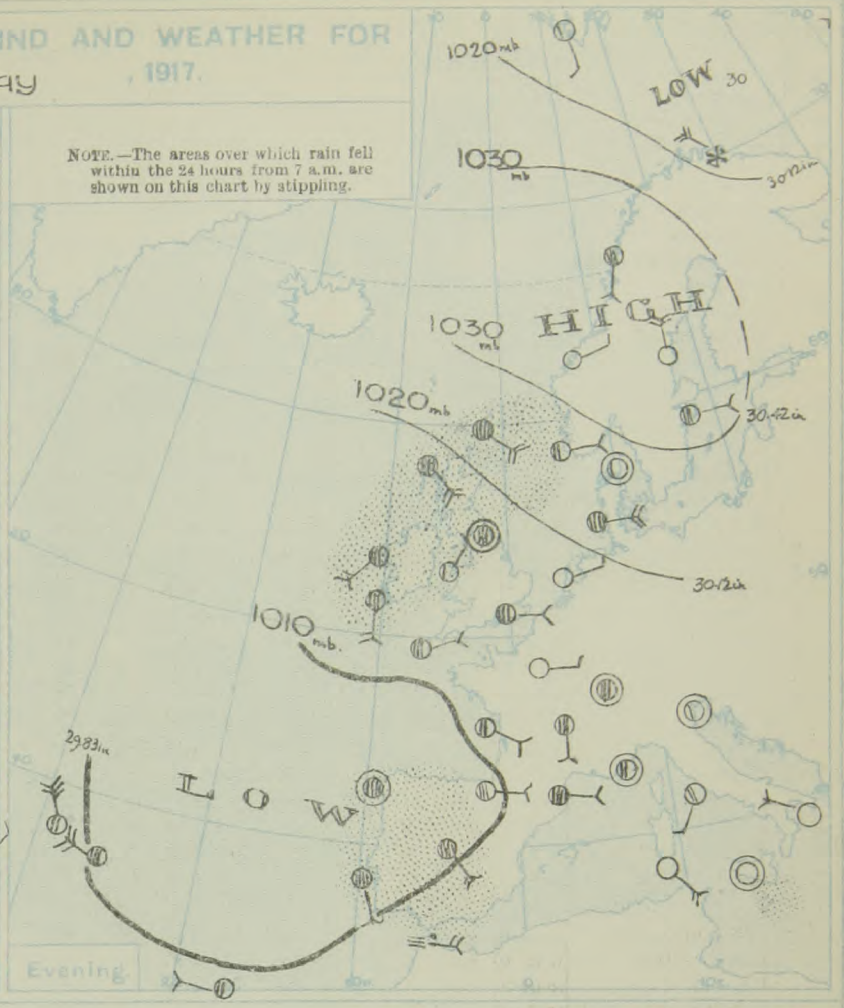
Scale 1:8·10°
Nautical Miles
Statute Miles

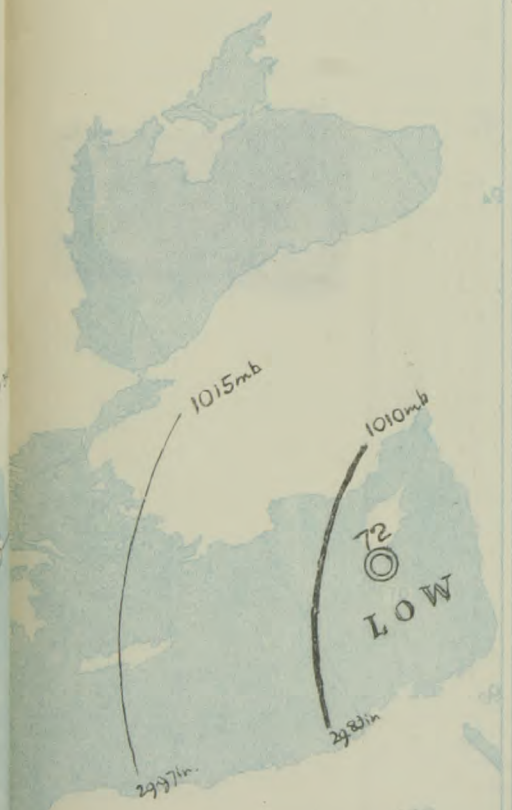
Normal Temperature of the Sea
Below 40° 40°-50° 50°-60° Above 60°
Scale of Tints for MAY.

BAROMETER, WIND AND WEATHER FOR 11TH MAY, 1917.



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





FORECASTS NOON SATURDAY TO NOON SUNDAY

0 a, b — Fresh to light SE to S. breezes; dull, some rain, mist or fog, perhaps local thunder; rather milder.

1, 2 a, b, 3, 4 a, b, c, 5 — Light NE. breeze veering SE; fine to dull and close, local showers and thunder; warm.

6 a, b, 7 a, b, 8 a, b, 9 a, b, 10 a, b — Light E. breeze, veering Sly., and freshening; fine to dull and close, some rain, local thunder, coast fog; warm.

11 — Squally, fresh to strong E. to S. wind; rough sea; fair to dull, some rain and thunder, local fog; warm.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 132. Saturday 12th MAY

	STATIONS.	EVENING OF 11th				MORNING OF 12th								24 HOURS ENDED 7 A.M. 12th						Sunshine for 11th
		Baron. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12.	Weather.	Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1026·3	44	ESE	4	o	1024·0	0	43	+1	SE	5	—	om	4	1	44	42	c.o	om	omp	*
	Deerness (Orkney)	1022·0	40	E	6	r	1019·6	*	43	+3	ESE	5	—	f	4	5	43	40	or	r	rf	0·0
	Stornoway ...	1017·5	48	SE	4	o	1016·6	-1	44	+2	SE	4	—	op	4	1	50	42	c.oq	o.c.o	op	1·9
	Castlebay (Barra fsd.)																					
	Glasgow ...	1018·1	45	ENE	3	o	1019·0	0	42	+1	ENE	3	—	ome	*	1	45	41	omp.o	om	ome	0·0
	Eskdalemuir ...	1017·4	50	NE	2	o	1018·8	0	45	+3	NE	3	SW	om	*	0.1	52	41	od.o	om.od.o	om	0·0
	Malin Head ...	1013·9	49	SE	4	bmq	1015·0	?	51	+6	ESE	2	SW	cmp	2	6	52	45	omq	bmq	cp	1·9
	Blacksod Point	1011·8	53	SW	3	c	1014·0	0	52	+1	S	1	S	cm	2	7	59	49	omr	cp	cf	*
	Valencia (Cahirciveen)	1013·4	59	S	3	c	1011·6	-2	54	0	—	0	S	bc	2	1	61	48	ord	o.c	c.bc	1·0
	Roche's Point	1015·1	52	S	2	om	1012·2	*	58	+7	E	3	—	o	3	1	60	47	md.om	om	om,o	*
	Birr Castle ...	1012·8	60	S	1	o	1014·2	*	51	-1	E	1	E	c	*	0·2	60	47	o.op	op	c.o	0·1
	Donaghadee ...	1015·3	47	SE	3	of	1016·6	+1	45	0	N	2	—	bcf	2	1	48	43	ogmp	ogmr	ofe.cf	*
	Liverpool (Bidston)	1015·1	59	NW	1	c	1016·7	0	54	+2	ESE	2	N	m	1	0·2	60	51	op	b.bc	omz	5·3
	Holyhead ...	1016·6	57	NE	3	bm	1014·1	0	54	+5	E	1	—	bcm	0	3	60	49	f.op.cf	of.c.bc	b.bcm	3·1
	Pembroke (St. Ann's)	1014·8	58	NNW	3	bc	1012·5	-2	58	+10	ENE	2	NE	bc	2	—	59	47	cf	c.bc	b.bc	7·2
	Scilly (St. Mary's)	1013·6	56	ENE	2	c	1008·7	-3	54	+5	E	4	E	om	4	—	60	48	f.cmf	cm	c.om	6·7
	Falmouth ...	1012·6	60	NE	2	bz	1008·6	-4	58	+7	NE	4	—	c	*	—	64	50	of.b	bz	bc.c	7·5
	Jersey (St. Aubin)	1012·5	70	E	3	o	1010·0	*	61	+2	E	3	—	o	3	Trace	76	58	b.bc.b	b.bc.b.o	op.o	10·0
	Portland Bill ...	1013·8	54	ENE	3	bc	1011·9	-2	55	+6	ENE	4	—	c	3	3	58	47	bc.b	bc	bc tlr	*
	Dungeness ...	1014·5	54	E	3	bc	1014·0	0	56	+2	NE	3	—	b	2	—	67	50	bc	bc	b	*
	Dover	1015·6	72	NE	1	b	1015·6	0	61	0	N	1	NW	bc	2	—	72	51	bz	b	bcz	12·3
	Wick	1021·2	43	ESE	4	r	1019·0	-2	43	+1	SE	3	—	fe	4	2	43	40	omp	omr	omrf	*
	Nairn	1017·9	47	E	1	c	1018·1		42	+1	—	0	—	me	1	3	49	36	odg	op.c	cgme	0·4
	Aberdeen ...	1020·2	43	E	3	odp	1019·9	0	44	+1	E	1	—	om	3	7	44	43	ord	omd.op	omd.om	0·0
	Leith	1018·2	43	ENE	1	o	1019·3	0	43	-1	ENE	1	—	om	3	1	44	42	od.oe	oem.d	om	*
	Tynemouth ...	1017·8	45	—	0	cm	1019·5	+1	43	-1	NNE	1	—	fe	3	2	48	41	omp	omr	fe	*
	Spurn Head ...	1017·2	51	ENE	2	bcm	1018·6	+1	46	-1	NNE	3	—	bc	3	—	58	43	b	bc	bcm	8·2
	Yarmouth (Gorleston)	1016·4	52	SSW	2	b	1017·2	+2	51	+3	NE	3	—	bc	3	—	54	38	bcm	bcm	bcm	7·0
	Clacton-on-Sea	1016·0	60	ENE	3	bc	1016·0	0	59		NNE	3	E	bc	2	—	65	52	bc.b	b.bc	bc.z	11·2
	Nottingham ...	1015·0	69	S	1	bc	1017·8	*	50	-1	NE	2	—	bm	*	—	73	46	c.b	b	bc.b	9·5
	Benson (Oxon.) ...	1014·2	70	—	0	bc	1014·2	+1	61	+8	NE	1	—	o	*	—	74	53	b.bc	bc	o	*
	Sth Farnborough	1013·4	72	ENE	2	o	1014·0	0	59	+5	E	2	S	om	*	—	77	51	bc.c	o.bc.o	o.c.om	7·5
	London (Kew Obsy.)	1014·3	71	E	2	c	1015·3	+1	59	+5	ENE	3	SW	oz	*	—	74	53	bcm.cx	cz.o.bc.c	c.om.bcz	4·2
NORTHERN EUROPE.	Spitsbergen ...	1017·7	5	S	1	b	1019·0	0	9	+2	S	1	*	o	*	*	10	3				
	Vardö	1019·7	28	WNW	4	s	1023·0	+3	28	-6	W	5	—	o	3	*	34	25				
	Bodö	1032·6	34	SSW	2	c	1032·4	0	37	+5	S	2	—	o	2	?	36	28				
	Christiansund ...	1031·3	43	ENE	1	b	1030·4	0	41	0	—	0	—	b	3	—	45	36				
	Skudesnaes ..	1027·0	48	E	2	bc	1028·6	+1	43	-2	SE	5	—	r	4	3	52	36				
	Færder (X'lania Fjord)	1030·0	46	—	0	f	1031·9	+1	45	0	SE	2	W	b	1	—	50	43				
	The Scaw (Skagen)	1029·3	46	—	0	b	1031·3	+1	45	0	ESE	3	—	bc	3	—	50	43				
	Blaavands Huk	1022·1	54	ESE	4	o	1022·6	+2	48	+2	ESE	6	W	c	?	—	46	41				
	Copenhagen ...	1027·8	45	ESE	5	bc	1029·0	+1	45	0	ESE	5	—	o	*	—	50	39				
	Bornholm ...																					
FRANCE, &c.	The Helder ...	1016·0	59	ENE	1	b	1017·2	+1	54	0	ENE	2	—	c	0	—	59	52				
	C. Gris Nez ...	1015·9	58	NE	4	b	1015·0	+1	66	+2	ENE	2	*	b	1	—	68	54				
	La Hêve	1013·0	70	E	2	c	1012·8	*	65	+9	E	3	*	m	2	—	77	56				
	Brest (St. Mathieu)	1011·8	68	NNE	1	bc	1009·9	0	58	+3	S	1	*	tlr	2	—	77	55				
	Rochefort (Ile d'Aix)	1010·1	74	ESE	2	bc	1009·5	-1	62	+3	SE	4	*	o	*	—	79	57				
	Biarritz	1008·3	79	E	2	c	1008·2	+2	73		ENE		*	ol	1	—	82	70				
	Paris	1013·6	70	—	0	b	1013·3	+1	66	+7	E	2	W	c	*	Trace	79	67				
	Belfort	1015·3	70	—	0	c	1018·0	*	48	-14	—	0	*	b	*	—	81	55				
	Lyons	1013·5	72	S	2	c	1015·3	*	63	+1	—	0	*	b	*	—	79	42				
	Nice	1017·9	69	—	0	bc	1020·4	+1	68	+1	—	0	*	bc	0	—	75	61				
	Perpignan ...	1015·4	63	E	2	o	1016·2	+2	61	0	NE	1	—	o	*	—	70	34				
	Sanguinaire ...	1017·2	70	N	3	bc	1017·5	*	70		E	1	*	m	1	—	77	63				
SOUTHERN STATIONS.	Corunna	1008·7	64	—	0	o	1009·2	+2	64	+1	S	6	—	bc	3	11	75	55				
	Madrid	1008·1	77	SE	3	o	1012·0	+1	59	-4	SE	1	SW	bc	*	4	81	57				
	Lisbon	1008·6	61	SSE	2	o	1010·9	+1	61	0	SSE	2	—	b	6	8	63	59				
	Azores (Horta) ...	1011·0	*	NW	5	bc	1014·9	+1	55	-3	—	0	*	b	1	—	63	55				
	Madeira	1010·6	66	W	2	bc	1013·2	0	57	-4	N	3	SW	bc	3	4	66	57				
	Gibraltar	1013·2	61	E	3	m	1013·9	*	58	-5	E	2	*	m	0	1	64	57				
	Malta	*	*	*	*	*	1017·5	+1	63	-9	NW	3	—	f	0	—	73	63				
	Limassol	*	*	*	*	*	1009·5	0	72	0	—	0	—	b	0	—	81	48				
	Alexandria ...	1013·3	68	NNW	2	b	1012·6	+1	70	0	—	0	N	o	1	—	81	61				
	Cairo (Helwan) ...	1011·5	77	N	3	b	1011·7	+1	68	+2	NE	1	SW	c	*	—	86	61				

GALES.
Duration and Extreme Force in British Islands.

LONDON OBSERVATIONS.	Humidity. 15 h. 11th	Humidity. 9 h. 12th	Sunshine for 11th	24 Hours ended 9 h. 12th May. Temperature. Max.	Min.	Min. on Grass.	Rainfall.	Weather. Morning.	Afternoon.	Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	48	59	7·9	79	61	42	—	bc	bc	b
CITY (Bunhill Row)	*	*	6·8	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	48	57	5·1	76	56	52	—	bc	bc	bc
CAMDEN SQ. (British Rainfall) ..										*
HAMPSTEAD (Reservoir)	*	55	7·5	74	52	41	—	bc	bc	bc
S. KENSINGTON (Museum Grounds)	*	51	4·2	75	56	48	—	bc	o	c.bc

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during 11th.

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.

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

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

Issue No. 22,261. **DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917.** Sunday, 13th MAY

YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON Saturday, 12th MAY, 1917.

Temperature varied greatly, maxima from 44° in the North to 77° at Brighton. Rain fell generally 24 mm. at Roches Point. There were local thunderstorms and much coast mist or fog. Sunshine showed a great falling off.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR Saturday, 12th MAY UP TO 17 H.

	STATIONS.	Sunshine for 11th	Rainfall. Night. 17h-9h.	Rainfall. Day. 9h-17h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 17 h. 12th
			Mm.	Mm.	°F.	°F.			Hr.
Scotland.	Oban	0·7	-	-	65	48	b	bc, c	4·9
	Banff	0·3	1	-	54	41	c, bc	c. o	3·3
	Montrose	0·0	-	-	45	44	o	o	0·0
	St. Andrews								
	Carnoustie	*	*	*	46	42	og	og	0·0
Eng. N.E.	Harrogate	1·0	-	-	65	42	om. c. bc	c. bc	4·0
	Skegness		*	*	55	44	bc	o	6·3
Eng. N.W.	Morecambe								
	Southport	5·3	-	1	?	49	c. o	or. c	3·3
Midlands.	Leamington Spa								
	Malvern								
	Ross-on-Wye	8·3	2	1	68	53	o. bc	om tr	1·1
Wales.	Rhyl								
	Colwyn Bay								
	Llandudno	*	*	*	70	51	c	cp	4·8
	Aberystwyth	*	*	*	72	52	o. c. b	bc. o	5·0

	STATIONS.	Sunshine for 11th	Rainfall. Night. 17h-9h.	Rainfall. Day. 9h-17h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 17 h. 12th
			Mm.	Mm.	°F.	°F.			Hr.
England. E.	Lowestoft								
	Felixstowe	10·8	-	-	60	51	bc m	bc. cm	6·7
	Walton-on-Naze								
	Southend-on-Sea	10·3	-	-	68	56	bc. c	bc. c. o p	3·4
England. S.E.	Margate	11·8	-	-	57	51	bc	c	2·9
	Hastings	11·9	-	-	72	58	b. bc. o	bc. o	3·3
	Eastbourne	11·8	-	-	63	55	o	o	2·2
	Seaford	12·3	*	*	74	57	bc	o	2·2
	Brighton		-	Trace	77	58	c	c. op. c	2·6
	Worthing	11·8	-	-	74	57	c	c	1·3
	Littlehampton	*	*	*	73	46	o	o. bc	1·0
	Bognor								
	Bournemouth	9·4	-	1	71	52	o. c	o. c. o	2·0
England. S.W.	Weymouth		*	*					
	Torquay								
	Paignton	*	*	*	61	53	bc	c tr	0·2
	Penzance	8·9	Trace	2	63	55	o. pr	qpr	1·2
	Newquay								
	Bude	10·7	-	3	69	53	out	opr	0·0
	Ilfracombe								
	Weston-s-Mare		*	*					

REPORTS FROM FOREIGN STATIONS FOR Saturday, 12th MAY.

	STATIONS.	Evening of 11th: Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	Morning of 12th: Barometer. Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb.	Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					‡	°F.						F	F
RUSSIA 7 a.m. and 9 p.m. Local Time.	Archangel	1017·1	30	NNW	5	o	1017·5	+4	32		N	6	o	-	*	28
	Gorki	1029·5	41	E	1	b	1032·7	-0	41	+5	E	1	c	-	*	36
	Velieki Luki	1029·9	39	SSW	2	b	1033·3	*	41	+4	S	1	b	-	*	30
	Hangö						1037·3	+5	36	+2	NNW	2	b	3	*	27
	Riga	1032·4	36	-	0	b	1035·1	+2	43		-	0	b	-	*	32
	Petrograd	1028·3	37	W	3	b	1032·8	+5	39	+3	NNW	3	b	-	43	36
	Moscow	1028·7	41	NW	2	b	1031·7	+3	41	+5	-	0	b	-	*	32
	Kiev	1025·9	52	ENE	4	b	1027·5	+2	46		ENE	2	b	-	*	43
	Kharkov	1022·6	52	NE	3	o	1024·8	+2	46		ENE	3	o	9	*	45
	Kishinev	1013·9	64	NNW	4	bc									*	
	Elisabetgrad														*	
	Nicolaiev							*							*	
	Odessa	1019·0	61	NE	3	o									*	
	Tarkhankout	1016·6	59	NNE	7	c	1015·7	*	61		NNE	5	c	8	*	54
	Soukhoum	1015·7	64	-	0	o	1016·3	0	63		SE	1	o	-	*	?
MEDITERRANEAN.	Venice	1018·2	68	-	0	b	1019·5	*	66	+2	-	0	m	-	73	63
	Pesaro	1019·1	61	-	0	b	1019·9	*	63	+2	-	0	b	-	72	52
	Rome	1018·6	?	SW	1	c	1019·0	*	64	0	-	0	b	-	77	57
	Viesti	1018·5	66	SSW	2	b	1018·7	*	64	-4	WNW	2	bc	-	73	63
	Brindisi	1015·5	63	NW	2	b	1016·6	*	63	+2	E	2	b	-	66	61
	Cagliari	1020·6	72	SE	3	b	1019·6	*	66	+2	ESE	4	b	-	73	57
	Palermo	1017·7	68	-	0	b	1017·3	*	63	0	-	0	b	-	82	52
	Tripoli						1015·3	*	70	0	-	0	b	-	81	59
	Algiers	1012·0	64	NNE	1	o	1011·7	+1	70	+4	-	0	m	-	77	63
SWEDEN.	Hernösand	1031·5	41	N	4	b	1037·2	*	41	0	-	0	b	*	*	*
	Stockholm	1031·0	46	E	2	c	1038·0	*	45	0	SE	2	b	*	*	*
	Wisby	1029·1	41	S	2	b	1034·4	*	46	+5	E	2	b	*	*	*

ICELAND.	Morning of 12th: Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather
		°F	°F			
Isafjord	1023·9	36	-5	-	0	bc
Reykjavik	1025·2	41	0	-	0	c
Vestmanna						
Seydisfjord	1025·2	41	0	-	0	c
Thorshavn	1023·6	41	0	SE	5	r

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

13th and 14th MAY, 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4·2	11·49	7·36
	4·0	11·49	7·38
Greenwich	4·13	11·56	7·39
	4·12	11·56	7·40
Wick	3·52	12·8	8·25
	3·50	12·8	8·27
Valencia	4·52	12·37	8·22
	4·50	12·37	8·24

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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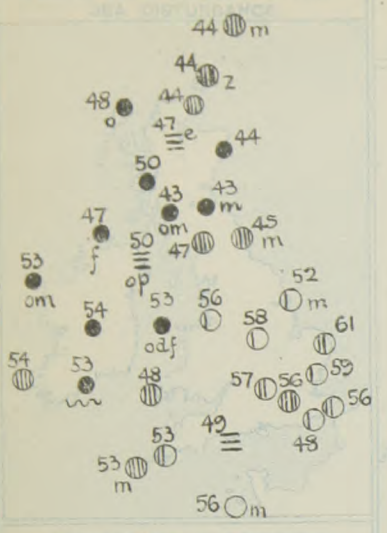
‡ The barometric change is expressed in half-millibars.

THE MORNING OF SUNDAY, 13TH MAY, 1917.

GENERAL INFERENCE

A changeable, close type of conditions will prevail over this country.



FORECAST DISTRICTS.

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 ¼ clouded. ◑ sky ½ clouded.
◕ sky ¾ clouded. ● overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤, thunder. ⊼, thunderstorm.

SEA DISTURBANCE.—Rough ~~ High ≈≈

1020mb.
LOW
30·12in.
36
1020mb
1025mb
1030mb
1035mb
1040mb
34
36
36
45
38
39
HIGH
Generally
36
48
41
30·61in.
45
32
50
46
45
54
34
43
36
40°
41
1020mb
49
44
1015mb.
Bar. falling
48
44
1010mb.
50°
47
45
53
Bar. rising
53
61
63
54
Bar.
56
LOW
53
Bar. falling
56
64
70
60°
61
70
60
69
70
73
70
68
63
29·83in.
63
61
64
Bar. rising
70°
29·97in.
61
68
72
70°
59
61
61
70
66
68
HIGH
59

Scale 1:12,500,000
Nautical Miles 0 1 2 3 4 500
Statute Miles 0 1 2 3 4 500

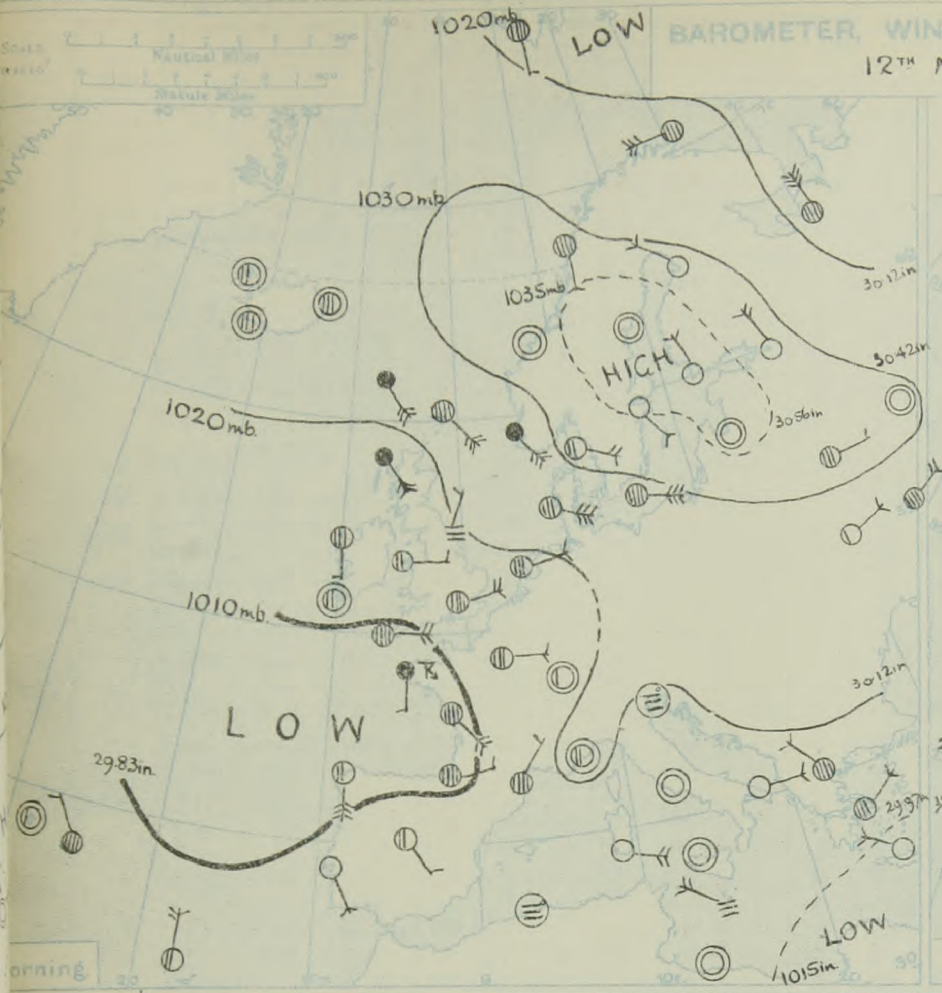
Normal Temperature of the Sea

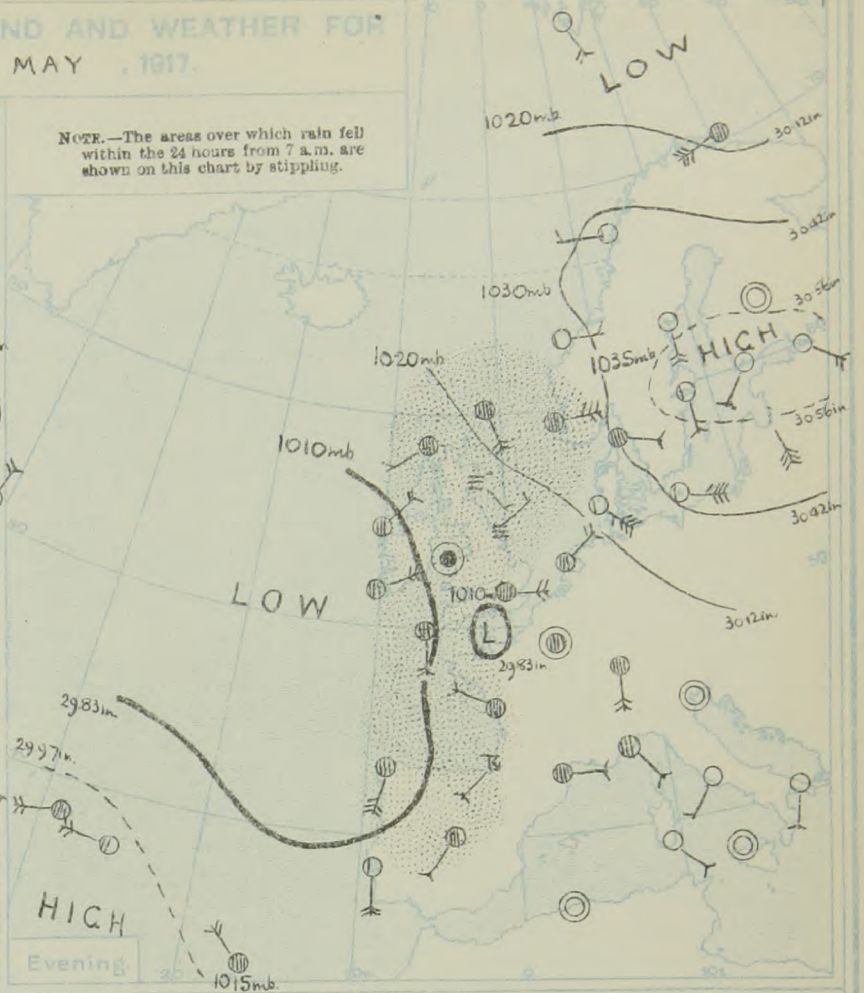
Below 40° | 40°-50° | 50°-60° | Above 60°

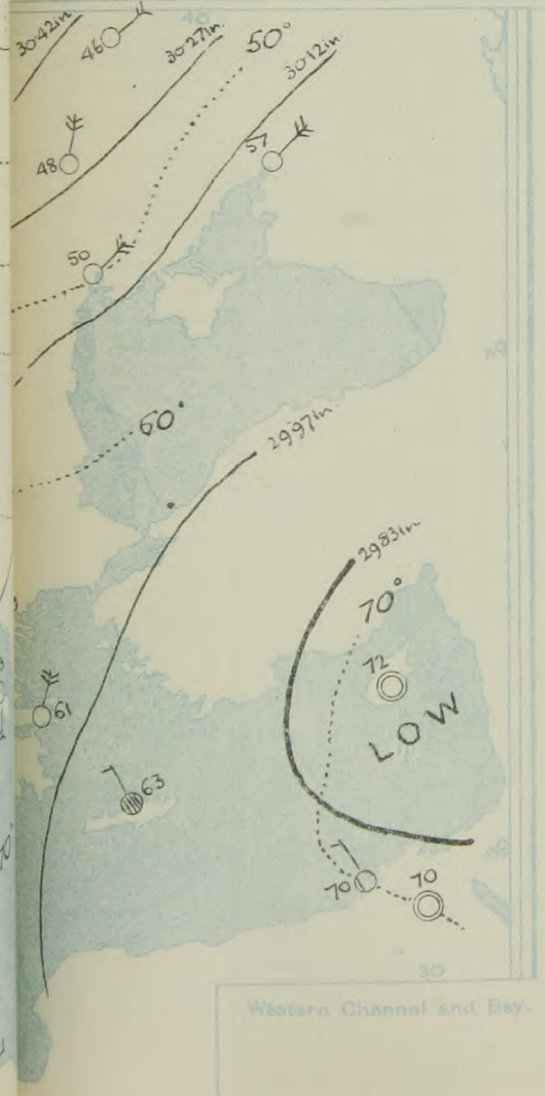
Scale of Tints for M.A.V.

BAROMETER, WIND AND WEATHER FOR 12TH MAY, 1917.

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







FORECASTS NOON SUNDAY TO NOON MONDAY

0 { a, b } Light breeze, mainly E. to S; cloudy to dull, some rain, mist or fog, local thunder; cool.

1, 2 { a, b }, 3, 4 { a, b, c }, 5 Light variable breezes, mainly W. to S; fine generally, perhaps local showers and thunder; warm.

6 { a, b } Same as No. 0.

7 { a, b }, 8 { a, b }, 9 { a, b }, 10 { a, b } Variable breezes, mainly S. and light; cloudy to dull, some rain, local thunder, coast fog; cool.

11 Light to moderate S. breeze; sea moderate; fine to dull, local rain, thunder, mist or fog; moderate temperature.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 133. Sunday, 13th MAY

	STATIONS	Evening of 12th: Barom. Millibars at M.S.L.	Temp. °F.	Wind: Direc.	Wind: Force 0-12.	Weather.	Morning of 13th: Barometer: Millibars at M.S.L.	Barometer: Change in 3 hours.	Temp.: Dry Bulb. °F.	Temp.: Change in 24 hours. °F.	Wind: Direc.	Wind: Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	24 hours ended 7 a.m.: Rainfall. Millimetres.	Temp.: Max. °F.	Temp.: Min. °F.	Weather: Morning.	Weather: Afternoon.	Weather: Night.	Sunshine for 12th. Hours.
BRITISH ISLANDS.	Lerwick ...	1020·3	44	SSE	4	cm	1015·9	−1	44	+1	S	3	−	cm	3	6	44	43	cm	cm	cmr	
	Deerness (Orkney)	1017·3	43	SE	5	m	1012·8	*	44	+1	E	3	−	cmz	3	4	44	42	fm	m	cmr	0·0
	Stornoway ...	1014·6	50	WSW	1	cm	1010·9	−3	48	+4	NE	2	−	cr	2	5	51	44	cb.c	cr.cm	cdpmkr	0·0
	Castlebay (Barra Isd.)																					
	Glasgow ...	1015·3	47	ENE	4	cm	1011·1	−2	43	+1	ESE	1	−	cmr		12	51	42	c.c.bcm	c.cm	cmr	2·0
	Eskdalemuir ...	1015·0	51	NNE	3	cz	1010·8	0	47	+2	N	2	−	c		6	63	44	cm.c.c.b	bcz.cz	cz.cgr	7·6
	Malin Head ...	1011·7	49	ENE	3	bcm	1006·7	*	47	−4	SE	2	−	fr	1	3	60	47	bcm	bcm	fr	8·3
	Blacksod Point	1009·2	56	NE	3	cm	1006·1	0	53	+1	−	0	−	cmr	2	9	64	51	cm	bcz.	cmr.cmr	
	Valencia (Cahirciveen)	1008·1	60	ENE	4	cb	1005·2	+2	54	0	SE	3	−	c	2	3	69	54	bc.c	cz.cr.c	c.cb	6·3
	Roche's Point	1007·8	53	ESE	4	mr	1007·9	*	53	−5	S	5	−	r	5	24	63	52	cmb	cgbm	cr	
	Birr Castle ...	1008·6	60	E	1	r	1007·4	*	54	+3	SSE	1	−	r		6	71	50	z	cr.cr	cr	4·3
	Donaghadee ...	1012·4	49	N	3	cf	1009·6	+1	50	+5	SSW	1	−	cfp	1	16	52	45	cf	cf	cfr	
	Liverpool (Bidston)	1011·0	65	E	3	c	1012·0	+2	56	+2	SSW	1	SE	b	1	15	68	51	c.bct	cp	r.c.b	3·1
	Holyhead ...	1011·5	54	−	0	crm	1011·8	+1	53	−1	S	5	−	cdf	4	19	73	48	bc.cm	c.ctrm	crmfc	4·8
	Pembroke (St. Ann's)	1010·5	52	SSE	3	c	1013·0	+3	48	−10	SE	2	S	c	3	11	66	48	c.c.tlr	cb	cpf.cf	1·2
	Scilly (St. Mary's)	1009·3	55	S	3	cm	1012·2	+2	53	−1	S	2	S	cm	4	1	59	51	cm.bcm	bcm	cm.cmp	5·0
	Falmouth ...	1011·1	54	SSE	1	cm	1013·1	+1	53	−5	S	2	−	bc		3	58	49	gtp.cm	gb.cm.c	am.bc	0·4
	Jersey (St. Aubin)	1009·1	50	E	1	c	1015·1	*	56	−5	NW	1	−	bm	0	10	56	45	cp.c.cc	c.c.bc.c	tlr.bm	2·4
	Portland Bill ...	1009·5	55	E	2	c	1014·9	+2	49	−6	ENE	1	−	f	2	9	58	47	c.cr	c.c	c.tlr.f	
	Dungeness ...	1010·0	54	NE	5	c	1015·7	+2	48	−7	SSW	3	SW	b	2	−	63	47	bc	c	cl.bc	
	Dover	1011·3	62	NE	3	c	1015·2	+3	56	−5	SSW	2	S	bc	2	−	69	50	bc.c	c.c	c.c.bc	4·1
	Wick	1016·7	43	SE	4	f	1012·3	−3	44	+1	SE	2	−	cfe	4	0·4	44	42	fc	fc.cmg	cmg	
	Nairn	1015·7	47	NE	1	cm	1011·2	*	47	+5	−	0	−	mc	1	1	51	40	cm	m.bc.c	cmpc	1·0
	Aberdeen ...	1015·5	44	SE	1	m	1012·0	−4	44	0	N	1	NW	r	3	1	47	42	cm	cm.m	m.cmr	0·0
	Leith	1016·3	43	NE	1	f	1010·2	−2	43	0	NE	1	−	mr	3	6	44	41	cm.cc	fc	fmr	
	Tynemouth ...	1017·1	43	NE	1	f	1010·5	−1	43	+2	NNE	1	−	cm	3	3	45	41	f	f	cmr	
	Spurn Head ...	1015·8	49	E	3	cm	1011·9	0	52	+6	W	4	−	bm	4	8	53	46	c	cm	dr.cm	5·1
	Yarmouth (Gorleston)	1014·2	52	ENE	2	bc	1012·2	+3	61	+10	WNW	3	−	bcm	2	−	62	50	bcm	bcm	bcm	8·5
	Clacton-on-Sea	1012·9	57	E	3	c	1014·4	+3	59	0	SSW	3	−	b	2	−	65	52	bc.cz	cz.c	cl.bcb	5·2
	Nottingham ...	1013·0	63	E	4	c	1012·7	*	58	+8	W	2	W	b	*	3	70	50	bc.c	c.c	c.tlr	0·8
	Benson (Oxon.) ...	1010·6	68	E	4	bc	1013·7	+3	57	−4	SW	2	−	bc	*	0·4	75	50	bc	cr.bc	c.tlr.bc	
	Sth Farnborough	1010·0	66	ENE	2	c	1014·3	+3	55	−4	WSW	2	−	c	*	2	77	49	cp.c.cz	c.cz	c.tlr.bc.m	2·0
	London (Kew Obsy.)	1011·3	64	E	4	c	1015·2	+4	56	−3	SW	3	−	c	*	−	72	54	cz.c	c.cd.c	c.tl.c.bc	1·7
NORTHERN EUROPE.	Spitsbergen ..	1018·7	3	SSE	3	b	1021·9	+2	1	−8	?	1	*	b	*	*	12	−11				
	Vardö	1018·2	34	WSW	6	c	1017·4	+2	36	+8	NW	6	−	c	5	*	34	23				
	Bodö	1030·4	37	W	1	b	1025·5	−1	36	−1	E	2	−	b	2	−	39	28				
	Christiansund ...	1024·0	46	E	1	b	1022·4	−3	48	+7	E	2	−	c	3	−	52	39				
	Skudesnaes ..	1024·3	45	E	5	c	1019·8	−3	50	+4	ESE	4	−	b	2	2	45	34				
	Færder (X'landa Fjord)	1031·4	45	NE	2	c	1030·2	−1	45	0	E	2	SW	bc	2	−	48	41				
	The Scaw (Skagen)	1030·7	46	ESE	2	c	1027·6	−3	46	+1	SE	4	−	b	4	−	50	43				
	Blaavands Huk	1021·6	57	SE	7	b	1019·8	−2	54	+6	SE	6	−	c	*	−	64	43				
	Copenhagen ...	1029·1	46	ESE	6	bc	1027·6	−1	50	+5	SE	3	−	b	*	−	52	41				
	Bornholm ...	1030·4	39	ESE	7	b	1028·7	−1	45	−	SE	5	−	m	2	−	45	34				
FRANCE, &c.	The Helder ...	1014·9	59	NE	3	c	1013·1	0	63	+9	S	2	S	c	0	−	64	54				
	C. Gris Nez ...	1011·6	70	ESE	2	c	1015·5	+2	53	+13	SSW	4	*	bc	2	?	72	50				
	La Hève	1010·7	68	S	4	c	1015·5	*	55	−10	−	0	*	b	1	−	79	54				
	Brest (St. Mathieu)	1012·2	61	SE	3	b	1012·2	0	61	+3	ESE	2	*	b	5	5	66	59				
	Rochefort (Ile d'Aix)	1012·7	59	WNW	2	c	1013·2	+1	60	−2	ENE	4	*	c	*	5	75	57				
	Biarritz	1011·1	60	SW	2	tlr	1010·6	6	63	−10	E	1	*	m	1	4	73	57				
	Paris	1012·2	77	SE	1	c	1015·5	+1	64	−2	NE	2	−	c	*	2	84	61				
	Belfort	1015·0	77	..	0	c	1018·0	*	70	−	−	0	*	m	*	−	84	62				
	Lyons	1014·2	75	S	2	c	1016·8	*	69	+6	SSE	1	*	c	*	−	82	63				
	Nice	1019·1	68	SE	2	c	1019·2	+1	73	+5	−	0	*	b	0	−	79	61				
	Perpignan ...	1016·3	63	E	2	c	1018·7	+2	61	0	−	0	−	c	*	−	68	55				
	Sanguinaire ...	*					*	*					*									
SOUTHERN STATIONS.	Corunna	1008·7	72	SSW	5	c	1011·1	+1	64	0	S	6	SW	bc	3	Trace	75	59				
	Madrid	1010·6	72	SW	2	c	1013·4	+3	61	+2	SSW	1	−	c	*	?	72	59				
	Lisbon	1011·3	64	S	4	b	1013·6	+2	61	0	SW	1	−	b	6	1	66	59				
	Azores (Horta) ...		*				1017·9	+2	61	+6	SSW	4	*	f	1	1	66	61				
	Madeira	1014·3	64	NW	3	c	1018·2	0	59	+2	N	2	−	b	2	−	66	59				
	Gibraltar							*					*									
	Malta	*	*	*	*	*	1018·3	+3	70	+7	S	1	−	b	0	−	75	61				
	Limassol	*	*	*	*	*	1008·2	+2	72	0	−	0	−	b	2	−	77	62				
	Alexandria ...	1011·9	66	N	3	b	1012·2	+2	70	0	N	1	N	b	1	−	77	64				
	Cairo (Helwan) ...	1010·0	77	N	4	b	1011·2	+1	70	+2	−	0	−	b	*	−	86	61				

RAINFALL.

Equivalents of Millimetres in Inches.

mm.	Inches.	mm.	Inches.
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·10
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69
19	0·75	44	1·73
20	0·79	45	1·77
21	0·83	46	1·81
22	0·87	47	1·85
23	0·91	48	1·89
24	0·95	49	1·93
25	0·98	50	1·97

LONDON OBSERVATIONS.

	Humidity. 15 h. 12th %	Humidity. 9 h. 13th %	Sunshine for 12th Hours.	24 hours ended 9 h. 13th. Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
GREENWICH (Royal Observatory)	62	65	2·6	71	52	42	−	c	c.o	o.b
CITY (Bunhill Row)	*	*		*	*	*	*	*	*	
WESTMINSTER (St. James's Park)	57	72		41	53	45	−	bc	o	opt1.b
CAMDEN SQ. (British Rainfall) ..	41	45	2·8	78	54	52	−	c.bc	o	*
HAMPSTEAD (Reservoir)	*	96	2·9	72	51	41	−	c	c.cp	tcp.bcm
S. KENSINGTON (Museum Grounds)	*	74	1·4	72	55	43	−	o.b	b	b.ob

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during 12th.

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
1139	20.6	71.5

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

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

Issue No. 22,262 **DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917.** { MONDAY 14TH MAY

YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON SUNDAY 13TH MAY 1917.

There was a general increase of temperature, London reaching 79°. Showers and thunderstorms occurred in many localities, and much coast fog was reported. Sunshine was very variable, none locally to 11½ hours at Clacton and Spurn Head.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR SUNDAY 13TH MAY UP TO 17 H.

	STATIONS.	Sunshine for 12	Rainfall. Night. 17h-9h.	Rainfall. Day. 9h-17h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 17 h. 13
			Mm.	Mm.	°F.	°F.			Hr.
Scotland.	Oban	5·1	9	6	56	48	r	o	0·0
	Banff	3·3	3	3	48	41	or	orm	0·1
	Montrose	0·0	4	2	61	37	o	o	1·5
	St. Andrews								
	Carnoushe	*	*	*	61	43	r	or	2·0
Eng. N.E.	Harrogate	4·3	6	-	67	45	c.bc	bc.c	4·1
	Skegness		5	-	72	48	b	b	8·5
Eng. N.W.	Morecambe								
	Southport	?3·3	11	+	? 71	50	or.tlo	b	6·9
Midlands.	Leamington Spa								
	Malvern								
	Ross-on-Wye								
Wales.	Rhyl		12	-	68	51	rt	c.bc.c	3·3
	Colwyn Bay	*	*	*	68	52	c.b	c	5·7
	Llandudno	*	*	*	67	51	bc	bc	6·5
	Aberystwyth	*	*	*	66	52	r.o.c	bc.c	5·5

	STATIONS.	Sunshine for 12	Rainfall. Night. 17h-9h.	Rainfall. Day. 9h-17h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 17 h. 13
			Mm.	Mm.	°F.	°F.			Hr.
England. E.	Lowestoft								
	Felixstowe	6·7	-	-	68	51	b	b.bcv	10·4
	Walton-on-Naze								
	Southend-on-Sea	3·4	-	-	78	53	b	bc,c.ov	10·0
England. S.E.	Margate								
	Hastings	3·5	-	-	67	51	b	b.bc.o	7·9
	Eastbourne	2·2	-	-	66	50	o	o	9·2
	Seaford								
	Brighton	2·8	-	-	61	47	of.c	cv	3·2
	Worthing	1·3	-	-	59	49	bc	bc.c	5·1
	Littlehampton								
	Bognor								
	Bournemouth	2·0	2	-	65	49	bc	bc	10·0
England. S.W.	Weymouth		*	*					
	Torquay								
	Paignton								
	Penzance								
	Newquay		-	-	64	50	bc	bc	8·0
	Bude								
	Ilfracombe								
	Weston-s-Mare		*	*					

REPORTS FROM FOREIGN STATIONS FOR SUNDAY 13 MAY

	STATIONS.	Evening of 12: Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	Morning of 13: Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours. ‡	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.	Rainfall. Millimetres.
			°F.						°F.	°F.				
Russia 7 a.m. and 9 p.m. Local Time.	Archangel						1029·6	0	34	+2	W	4	c	-
	Gorki	1033·1	43	-	0	b	1037·0	+6	32	-9	E	2	b	-
	Velieki Luki						1040·0	*	41	0	-	0	b	-
	Hangö	1037·9	36	WSW	2	b	1039·0	+1	36	0	-	0	b	-
	Riga	1034·6	?	SSE	6	?	1038·6	+1	45	+2	SSE	2	b	-
	Petrograd	1036·8	39	SE	3	b	1040·2	+2	39	0	SW	2	b	-
	Moscow	1032·0	45	N	2	b	1039·1	+5	39	-2	NE	3	b	-
	Kiev	1028·6	50	NE	3	c	1031·2	+2	46	0	NE	3	o	-
	Kharkov	1025·2	48	NE	3	c	1027·4	+2	46	0	ENE	3	b	-
	Kishinev													
	Elisabetgrad	1023·8	54	NNE	2	c	1025·9	+2	48		NE	4	b	-
	Nicolaiev	1020·6	55	NNE	5	bc	1021·6	*	50		NNE	6	b	-
	Odessa						1022·8	+3	43		ENE	4	bc	10
	Tarkhankout							*						
	Soukhoum													
Mediterranean.	Venice	1019·1	70	-	0	b	1020·3	*	70	+4	NE	1	b	-
	Pesaro	1019·7	64	-	0	b	1020·6	*	57	-6	-	0	b	-
	Rome	1018·6	66	SW	1	b	1019·9	*	68	+4	-	0	b	-
	Viesti	1018·9	66	WNW	1	b	1019·4	*	70	+6	NW	2	b	-
	Brindisi	1015·8	64	SSW	2	b	1016·2	*	63	0	SSW	3	b	-
	Cagliari	1016·6	73	SE	2	b	1019·3	*	68	+2	SE	2	b	-
	Palermo	1017·9	68	-	0	b	1018·9	*	72	+9	-	0	f	-
	Tripoli						1017·0	*	68	-2	E	1	fb	-
	Algiers	1012·0	66	-	0	b	1014·7	+4	66	-4	NE	2	bc	-
Sweden.	Hernösand	1034·3	37	S	4	b	1031·5	*	45	+4	ESE	2	c	*
	Stockholm	1037·4	41	S	2	b	1035·0	*	48	+3	S	2	c	*
	Wisby	1033·6	41	NE	4	b	1032·4	*	52	+6	S	2	b	*

	Morning of 13: Temp. Max.	Temp. Min.
	F	°F
Archangel	*	28
Gorki	*	32
Velieki Luki	*	37
Hangö	*	27
Riga	*	36
Petrograd	45	30
Moscow	*	32
Kiev	*	43
Kharkov	*	41
Kishinev	*	
Elisabetgrad	*	43
Nicolaiev	*	46
Odessa	*	46
Tarkhankout	*	
Soukhoum	*	
Venice	77	63
Pesaro	75	54
Rome	79	59
Viesti	73	63
Brindisi	68	63
Cagliari	75	57
Palermo	79	56
Tripoli	73	59
Algiers	95	64
Hernösand	*	*
Stockholm	*	*
Wisby	*	*

Morning of 13 — Iceland	Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather
		°F	°F			
Isafjord	1019·9	34	-2	WSW	3	b
Reykjavik	1020·2	41	0	SSE	1	c
Vestmanna						
Seydisfjord	1019·4	34	-7	-	0	c
Thorshavn	1012·4	49	+8	-	0	m

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

14 and 15 MAY, 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4·0 / 3·59	11·49 / 11·49	7·38 / 7·39
Greenwich	4·12 / 4·10	11·56 / 11·56	7·40 / 7·42
Wick	3·50 / 3·48	12·8 / 12·8	8·27 / 8·29
Valencia	4·50 / 4·48	12·37 / 12·37	8·24 / 8·25

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar-frost; z. dust-haze, or smoke.

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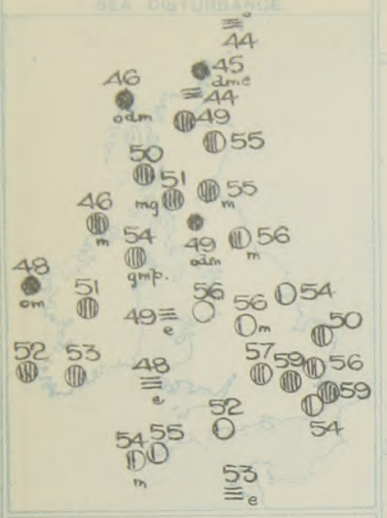
‡ The barometric change is expressed in half-millibars.

THE MORNING OF Monday, 14th MAY, 1917.

TEMPERATURE, WEATHER AND SEA DISTURBANCE



FORECAST DISTRICTS.

GENERAL INFERENCE

There are some indications of the approach of a high pressure area from the Atlantic, bringing with it a general Nly. and cooler type of conditions.

EXPLANATION.

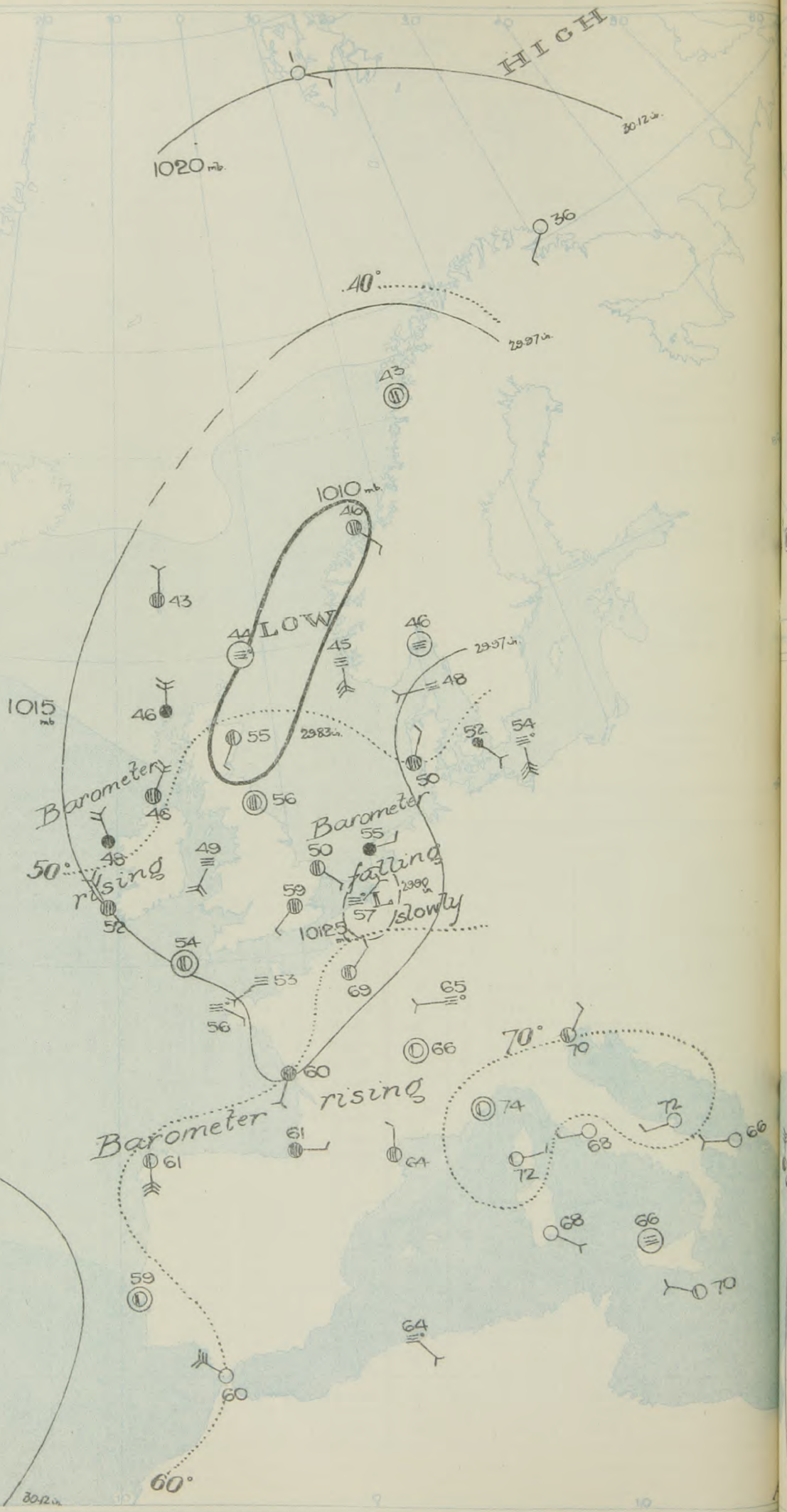
BAROMETER.—Isobars are drawn for intervals of five millibars.

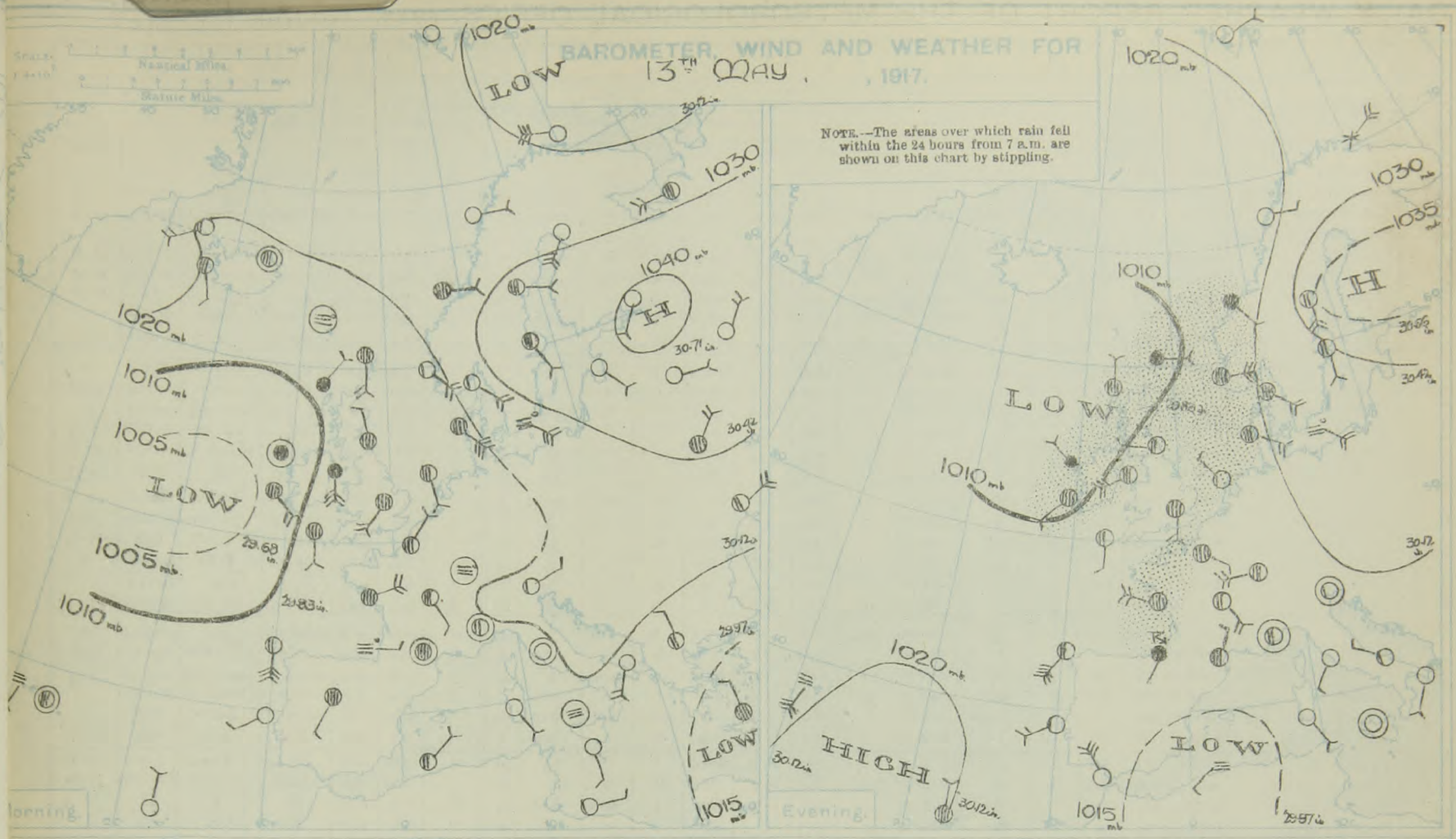
WIND.—Direction is shown by arrows flying with the wind.
Force, on the scale 0–12, is indicated by the number of feathers. Calm ◯

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

WEATHER.—Shown by the following symbols:—
◯ clear sky. ◔ sky ¼ clouded. ◑ sky ½ clouded.
◕ sky ¾ clouded. ● overcast sky. ⦻ rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤, thunder.
⊼, thunderstorm.

SEA DISTURBANCE.—Rough ∿∿ High ≈≈.





FORECASTS NOON MONDAY TO NOON TUESDAY

{ Moderate N. breeze; dull, some showers and mist, fairer later; cool.

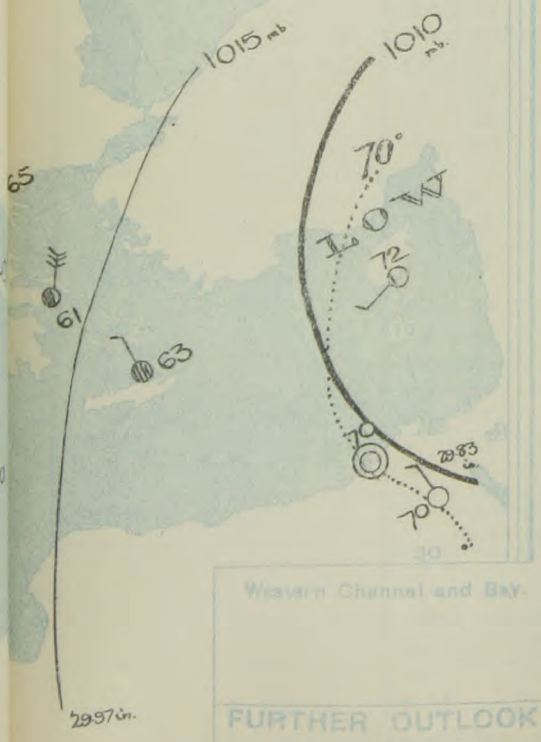
Light variable breezes, W. to N. and freshening somewhat later; cloudy to dull, warm and close at first, with local rain and thunder, cooler and improving later.

Same as No. 0

Same as Nos. 1 to 5.

Moderate N. breeze; dull to fine, local passing showers and mist; cool.

{ Light variable to moderate NW.-N. breeze; moderate sea; changeable, some rain, thunder and local mist or fog; moderate temperature.



Western Channel and Bay.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 134. Monday, 14th MAY.

	STATIONS	EVENING OF 13th					MORNING OF 14th									24 HOURS ENDED 7 A.M.						Sunshine for 13th
		Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12.	Weather.	Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Hours.
			°F.					‡	°F.	°F.							°F.	°F.				
BRITISH ISLANDS.	Lerwick ...	1008·7	44	E	2	omd	1010·0	+1	44	0	–	0	–	m	0	3	47	40	omd	omd	m	
	Deerness (Orkney)	1009·1	45	NNE	2	m	1009·8		45	+1	NNW	3	–	dme	2	4	45	44	orf	fm	mr m	0·0
	Stornoway ...	1008·2	49	N	2	om	1011·8	+4	46	−2	N	4	–	omd	3	2	50	45	or.odpm	om	odpm	0·0
	Castlebay (Barra Isd.)																					
	Glasgow ...	1009·6	58	S	2	c	1010·2	+2	51	+8	SSW	2	–	omq		7	58	43	omr.c.o	ome	c.omp	0·3
	Eskdalemuir ...	1011·8	54	SSW	4	or	1011·5	+1	49	+2	S.	4	–	omd		7	56	46	od.ome	of.o.ob	or.obo	0·[illegible]
	Malin Head ...	1005·7	50	S	1	me	1010·9		46	−1	NNE	4	–	om	4	12	49	46	ep	fe	fe	0·0
	Blacksod Point	1006·6	54	NW	2	fr	1014·0	+3	48	−5	NNW	3	–	omr	3	3	54	47	omr	omr	fromr	
	Valencia (Cahirciveen)	1009·7	54	SW	2	o	1015·0	+4	52	−2	NNW	3	–	o	3	3	56	52	od.o	od.o	c.opt.o	0·1
	Roche's Point	1010·2	52	SW	4	f	1013·8		53	0	WNW	1	–	o	3	1	55	51	odm	of	of.o	
	Birr Castle ...	1008·6	51	S	1	r	1012·5		51	−3	NW	1	–	o		13	49	41	or	or	or.o	0·0
	Donaghadee ...	1007·9	54	SSW	4	ogmp	1010·2	+3	54	+4	SW	1	–	ogmp	1	3	59	50	of.cm	bcm.oq	omr.of	
	Liverpool (Bidston)	1011·6	66	SE	1	o	1012·3	0	56	0	W	1	–	b	1	–	71	52	bc	bc.o	o.c.b	6·9
	Holyhead ...	1011·3	?54	SW	5	c	1012·1	0	49	−4	SSW	4	–	fe	3	1	61	48	ofpd.c	b.bep.c	c.ofe	5·7
	Pembroke (St. Ann's)	1013·5	55	S	3	bc	1014·2	+1	48	0	S	1	–	fe	3	1	57	47	c.bc	bc	bcfe	4·7
	Scilly (St. Mary's)	1012·9	57	S	1	bc	1015·0	+1	54	+1	–	0	W	bcm	3	–	61	50	cm.bcm	bcm	f.bcm	10·0
	Falmouth ...	1013·2	51	SE	1	f	1014·7	+2	55	+2	W	1	–	b		–	59	46	bc.b	bc.om	of.bcm	5·3
	Jersey (St. Aubin)	1013·4	59	E	3	ct	1014·9		53	−3	WSW	2	–	fe	1	7	66	52	bm.o	ptlr.c	bfe	7·8
	Portland Bill ...	1014·7	51	E	2	bc	1013·6	+1	52	+3	SW	1	–	b	2	–	52	48	f	f.bc	bc.cr	
	Dungeness ...	1015·7	52	SW	1	c	1012·4	0	54	+6	–	0	–	bc	1	1	58	48	bf.c	ep	betl.c	
	Dover	1014·8	64	–	0	o	1012·6	−1	59	+3	–	0	W	o	0	2	66	54	bc	bc.c.o	oprm.o	7·9
	Wick	1009·3	45	–	0	f	1010·0	+2	44	0	NNE	2	–	f	4	4	46	42	omapf	fdp	omfed	
	Nairn	1008·3	51	–	0	r	1009·4		49	+2	–	0	–	om	0	6	56	44	bcm	c.bc.cm	bpol	0·6
	Aberdeen ...	1009·4	58	SW	1	c	1009·4	+1	55	+11	SSW	1	SW	c	2	7	58	44	ormd	cm.c.bc	c.bc.or	1·7
	Leith	1009·0	63	SW	2	bc	1009·0	0	55	+12	SW	1	–	om	1	1	64	43	orme	c.bcu.c	bc.cp.o	
	Tynemouth ...	1011·8	66	W	2	bcm	1011·7	0	56	+11	–	0	SW	cm	3	7	66	45	cm	bcm	cm	
	Spurn Head ...	1014·8	59	SE	2	bc	1012·4	−1	54	+2	S	2	–	bm	3	–	67	48	bc	bc	bc	11·6
	Yarmouth (Gorleston)	1013·8	51	SE	3	bc	1013·0	−1	50	−11	SSE	1	–	cf	2	9	73	48	bcm	bcm	cm	10·9
	Clacton-on-Sea	1014·2	56	SSE	3	c	1012·7	−2	56	−3	E	2	S	c	1	1	62	51	bcz	bcz.c	c.bc.op	11·5
	Nottingham ...	1013·4	69	SSE	1	b	1012·0		66	−2	SW	1	SW	bm		–	73	49	b	b	bl	10·8
	Benson (Oxon.) ...	1013·3	70	S	1	b	1012·4	0	54	0	S	1	–	c		–	75	47	b	be	bc	
	Sth Farnborough	1013·8	70	SE	3	o	1012·4	0	58	+3	–	0	SW	cx		–	75	49	b	b.o	bc.o.cx	10·1
	London (Kew Obsy.)	1013·8	71	S	3	ov	1012·9	+1	59	+3	SW	1	SW	om		–	77	53	o.b.bc.b	bc.b.ob	ovb.om	9·4
NORTHERN EUROPE.	Spitsbergen ...	1021·3	S	ENE	2	b	1020·0	0	1	0	SE	1		b			12	−9				
	Vardö	1023·6	28	NE	4	s	1017·8	−3	36	0	SW	1	–	b	2		34	23				
	Bodö	1019·6	43	E	1	b	1013·8	−2	43	+7	–	0	–	bc	1	–	43	34				
	Christiansund ...	1016·4	46	SE	2	r	1009·9	0	46	+2	SE	1	–	o	3	1	52	43				
	Skudesnaes ..	1011·8	50	E	6	o	1012·8	+1	45	+5	S	5	–	f	4	1	52	43				
	Færder (X'tania Fjord)	1020·4	50	SE	1	o	1014·6	+1	46	+1	–	0	–	f	2	7	50	45				
	The Scaw (Skagen)	1021·0	50	SE	4	o	1015·2	+1	48	+2	W	2	–	f	2	3	52	45				
	Blaavands Huk	1016·4	57	SE	3	c	1016·7	0	50	−4	NNE	1	–	o		8	63	43				
	Copenhagen ...	1020·6	57	SE	3	o	1017·8	−1	52	+2	SSE	2	–	m		4	61	48				
	Bornholm ...	1023·1	46	SE	4	m	1018·8	+2	54	+9	S	6	–	m	1	1	59	43				
FRANCE, &c.	The Helder ...	1016·0	55	NW	1	b	1013·8	−1	55	−8	ENE	1	–	r	0	Trace	64	54				
	C. Gris Nez ...	1015·4	61	–	0	o	1012·8	+1	64	+11	SSW	3		c	2	8	63	52				
	La Hève	1014·3	69	NE	2	o	1013·4		61	+6	SSW	3		o	1	1	76	59				
	Brest (St. Mathieu)	1013·4	?59	SSW	2	c	1017·0	+1	56	−5	ESE	1		m	5	1	70	52				
	Rochefort (Ile d'Aix)	1012·2	63	WNW	4	o	1015·0	+1	60	0	SSW	2		o		6	75	59				
	Biarritz	1011·1	65	SSW	1	clr	1013·9	+1	61	+2	E	1		o	1	21	77	57				
	Paris	1013·8	77	ESE	1	o	1014·4	+3	69	+5	NE	1		c		–	82	61				
	Belfort	1016·7	77	W	4	c	1018·3		65	−5	W	2		m		–	86	57				
	Lyons	1015·2	77	SSE	3	bc	1017·4		66	+3	–	0		b		–	83	60				
	Nice	1018·7	70	–	0	bc	1018·6	+1	74	+1	–	0		b	0	–	80	61				
	Perpignan ...	1017·0	61	NE	1	c	1019·0	?+3	64	+3	N	1	–	c		–	73	55				
	Sanguinaire ...	1018·4	73	W	3	bc	1019·2		72	–	E	1		b	1	–	84	64				
SOUTHERN STATIONS.	Corunna	1011·5	68	SW	7	bc	1017·4	+2	61		S	6	–	bc	2	?	70	55				
	Madrid																					
	Lisbon	1015·9	64	SW	3	b	1019·1	+1	59	−2	–	0		bc	5	–	68	55				
	Azores (Horta) ..	1018·8		SSW	5	f	1021·6	+2	61	0	SSW	4		f	2	6	66	61				
	Madeira	1020·0	64	N	2	o	1021·9	0	59	0	NE	2		bc	2	–	66	59				
	Gibraltar	1016·9	64	NW	5	b	1017·3		60	–	NW	5		b	2	–	77	59				
	Malta	*	*	*	*	*	1017·5	+1	70	0	?	1	N	b	1	–	73	63				
	Limassol	*	*	*	*	*	1008·4	+1	72	0	WSW	1	–	b	0	–	79	52				
	Alexandria ...	1012·0	66	NNE	3	b	1012·2	+2	70	0	–	0	–	b	0	–	77	63				
	Cairo (Helwan) ...	1010·6	76	N	3	b	1010·8	+2	70	0	N	1	–	b		–	86	63				

NOTE

SOLAR HALO was observed Yesterday (13th) at South Farnborough at 14h. 40m and 18h. 30m. and at Greenwich at 17h.

LONDON OBSERVATIONS.	Humidity. 15 h. 13th	Humidity. 9 h. 14th	Sunshine for 13th	24 Hours ended 9 h. 14th. Temperature. Max.	Temperature. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	38	70	11·1	60	55	44	–	b	bc.c	o
CITY (Bunhill Row)	*	*		*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	–	–		77	55	49	–	b	b	bc
CAMDEN SQ. (British Rainfall) ..	–	58	8·8	60	57	51	–	–	–	*
HAMPSTEAD (Reservoir)	*	53	10·3	75	56	40	–	bc	bc	c
S. KENSINGTON (Museum Grounds)	*	54	10·5	79	55	49	–	b	bc.o	o.b.

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during 13th.

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
2081	37·4	72·5

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

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

Issue No. 20263 **DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917.** { Tuesday 15th MAY

YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON Monday 14th May 1917.

Temperature remained below 60° over a large portion of the Kingdom, but exceed 70° in SE. England. Rain fell in the North and West, thunder occurred at Spurn Head. Except in the SE., central, and Southern districts of England there was little bright sunshine Much sea fog prevailed locally on the coast.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR Monday 14th MAY UP TO 17 H.

	STATIONS	Sunshine for 13th	Rainfall. Night. 17h-9h.	Rainfall. Day. 9h-17h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 17 h. 14th
			Mm.	Mm.	°F.	°F.			Hr.
Scotland.	Oban	0.0	3	–	56	48	0.c	0	1.3
	Banff	0.1	2	2	54	44	om	mr	0.0
	Montrose	1.5	3	3	61	45	0	0	0.0
	St. Andrews		2	3	59	49	op	op	0.0
	Carnoustie	*	*	*	56	47	ogp	r	0.0
Eng. N.E.	Harrogate	5.2	6	–	68	49	b	bc.b	10.9
	Skegness	9.8	–	–	74	49	bc.o	bc	7.0
Eng. N.W.	Morecambe		Trace	–	52	50			0.0
	Southport	7.4	–	–	59	50	bc.b.bc	c.o	3.2
Midlands.	Leamington Spa								
	Malvern		–	–	67	52	b.bc	bc.c.o	9.2
	Ross-on-Wye		–	–	69	45	b.bc	bc.cm	8.4
Wales.	Rhyl	3.3	–	–	57	50	c.o	bc.c.o	4.8
	Colwyn Bay	*	*	*	60	53	c	c	3.0
	Llandudno	*	*	*	61	51	c	c	3.4
	Aberystwyth	*	*	*	56	50	o.c	c.o	0.5
England. E.	Lowestoft		3	–	57	50	omfc	c.o.c	1.3
	Felixstowe	11.5	2	1	57	50	omp	bcm	1.4
	Walton-on-Naze		3	Trace	58	50	od.bc.c	b.c.bc.c	1.2
	Southend-on-Sea	10.3	1	–	71	55	o.c.bc.c	o.c.bc	1.2
England. S.E.	Margate	8.0	6	Trace	72	50	cp	bc	2.3
	Hastings	7.9	4	–	63	50	tlro.c	b.bc	3.1
	Eastbourne	9.2	2	–	64	53	o.c.bc	b.bc	2.0
	Seaford	1.9	*	*	61	52	r.c	bc	3.9
	Brighton	3.2	10	–	59	48	o.c	c	5.7
	Worthing	5.1	1	–	59	55	c	c	3.3
	Littlehampton	3.4	–	–	70	50	bc	bc	10.0
	Bognor								
	Bournemouth	*	*	*	70	50	bc	bc	10.0
England. S.W.	Weymouth	*	*	*	66	50	bcz.b	b.bcz	11.3
	Torquay	?	–	–	64	47	c.bc	bc.c	2.3
	Paignton								
	Penzance		–	–	61	49	bc.c	o	3.4
	Newquay	9.5	Trace	–	62	47	bm	c	3.0
	Bude		1	–	59	49	o	cfc	0.0
	Ilfracombe		Trace	–	60	51	cz	z	0.6
	Weston-s-Mare		–	–	68	51	c.bc	bc.c	1.5

REPORTS FROM FOREIGN STATIONS FOR Monday 14th May

	STATIONS.	Evening of 13th: Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	Morning of 14th: Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					‡	°F.	°F.					°F	°F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel	1024.4	41	W	2	o									*	
	Gorki	1036.3	45	–	o	b	1037.9	o	43	+9	–	o	b	–	*	32
	Velieki Luki	1036.6	46	–	o	b									*	
	Hangö	1032.6	41	–	o	o	1027.7	-3	41	+5	SSE	3	o	–	*	27
	Riga	1033.9	50	S	1	b	1031.9	-1	52	+7	S	3	b	–	*	43
	Petrograd	1034.3	43	WNW	1	bc	1032.2	-1	48	+9	SW	2	bc	–	63	27
	Moscow	1037.6	43	NE	2	b	1039.3	+2	45	+6	SW	1	b	–	*	30
	Kiev	1031.8	46	NNE	3	b	1032.8	+1	43	-3	NE	4	b	–	*	41
	Kharkov	1028.8	43	NE	3	b									*	
	Kishinev														*	
	Elisabetgrad	?1025.9	54	ESE	3	o	1027.4	+2	48	o	ENE	5	c	6	*	45
	Nicolaiev	1022.9	55	NNE	6	b	1023.1	*	48	-2	ENE	6	o	–	*	46
	Odessa	1022.4	57	E	4	o	1022.9	o	48	+5	ENE	5	o	–	*	48
	Tarkhankout	1020.6	54	N	7	o		*							*	
	Soukhoum														*	
Mediterranean.	Venice	1019.9	72	–	o	c	1019.5	*	70	o	NE	1	bc	–	77	64
	Pesaro	1020.2	64	–	o	b	1020.2	*	63	+6	–	o	b	–	73	55
	Rome	1019.1	68	–	o	b	1018.7	*	68	o	W	1	b	–	81	61
	Viesti	1019.3	68	WNW	1	b	1019.0	*	72	+2	W	1	b	–	73	63
	Brindisi	1017.5	64	NW	1	b	1016.3	*	66	+3	NW	2	b	–	70	63
	Cagliari	1017.9	75	SE	2	b	1017.8	*	68	o	SE	2	b	–	75	62
	Palermo	1018.3	70	–	o	b	1017.7	*	66	-6	–	o	f	–	79	55
	Tripoli						1016.1	*	72	+4	E	1	b	–	?	59
	Algiers	1014.4	66	SSW	1	f	1016.4		64	-2	SSE	2	m	–	77	61
Sweden.	Hernösand	1035.6	39	S	4	bc	1016.3	*	37	-8	S	2	r	*	*	*
	Stockholm	1028.7	48	S	2	bc	1019.8	*	52	+4	SSE	6	o	*	*	*
	Wisby	1027.1	52	S	4	b	1020.7	*	54	+2	S	6	c	*	*	*

Morning of 14th

Iceland.	Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather
		°F	°F			
Isafjord	1015.3	45	+9	SW	2	r
Reykjavik	1016.8	45	+4	S	3	o
Vestmanna						
Seydisfjord	1018.0	34	o	–	o	b
Thorshavn	1013.8	43	-6	N	2	o

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

15th & 16th May 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.59 / 3.58	11.49 / 11.49	7.39 / 7.40
Greenwich	4.10 / 4.9	11.56 / 11.56	7.42 / 7.43
Wick	3.48 / 3.46	12.8 / 12.8	8.29 / 8.31
Valencia	4.48 / 4.47	12.37 / 12.37	8.25 / 8.26

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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‡ The barometric change is expressed in half-millibars.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.

FORECAST DISTRICTS.

THE MORNING OF Tuesday, 15th MAY, 1917.

GENERAL INFERENCE

The high pressure on the Atlantic is still likely to extend slowly over the United Kingdom, bringing a colder Nly. type of weather.

EXPLANATION.

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

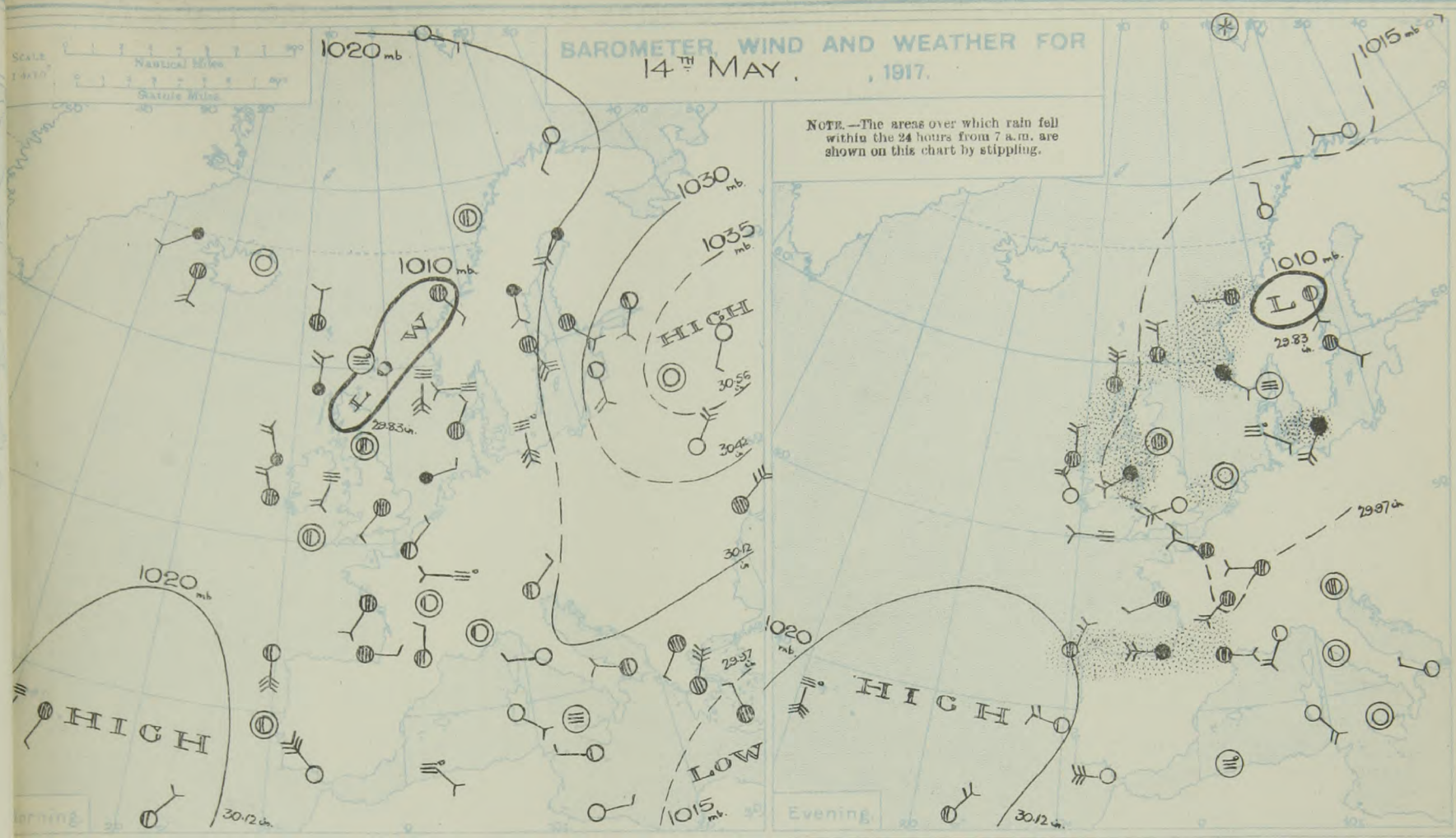
WIND.—Direction is shown by arrows flying with the wind.
Force, on the scale 0–12, is indicated by the number of feathers. Calm ◯

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

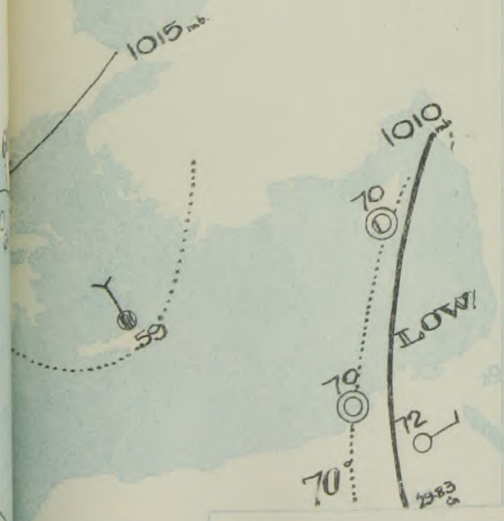
WEATHER.—Shown by the following symbols :—
◯ clear sky. ◔ sky ¼ clouded. ◑ sky ½ clouded.
◕ sky ¾ clouded. ● overcast sky ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ϒ thunder.
ϒ, thunderstorm.

SEA DISTURBANCE.—Rough ~~ High ≈≈.

Scale of Tints for MAY.



FORECASTS NOON TUESDAY TO NOON WEDNESDAY



0 1 2 } NE. or N. moderate or light winds; cloudy, some showers; cold.

3 4 5 } Wind becoming N. or NW. generally, moderate or light; cloudy, some showers; very cool.

6 7 8 9 10 } Nly. winds, moderate or light; cloudy, some showers; very cool.

Nly. winds, moderate; sea moderate or slight; cloudy to fair.

Western Channel and Bay. 11

FURTHER OUTLOOK.

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R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 135. Tuesday, 15th MAY.

	STATIONS.	EVENING OF 14th. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	MORNING OF 15th. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	24 HOURS ENDED 7 A.M. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for 14th
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1013·5	46	N	3	om	1018·9	+1	44	0	N	4	–	o	3	1	49	43	om	om	o	*
	Deerness (Orkney)	1014·9	47	NNW	5	c	1021·3	*	44	−1	NNW	3	–	cp	3	2	47	42	omd	om.c	c.op	1·0
	Stornoway ...	1018·3	47	N	5	o	1023·9	+3	44	−2	NE	4	–	b	4	0·3	49	42	od.omq	oq	o.b	0·0
	Castlebay (Barra Isd.)																					
	Glasgow ...	1012·7	52	–	0	omd	1020·3	+3	44	−7	E	2	–	o	*	9	53	44	omdp	omd	op.o	0·0
	Eskdalemuir ...	1012·7	51	S	2	ome	1019·8	+4	42	−7	NNE	4	–	o	*	9	51	41	od	omf	ome.od	0·0
	Malin Head ...	1015·2	46	NNE	5	omr	1020·9	+2	44	−2	N	4	N	cq	5	9	47	43	omr	omr	cq	0·0
	Blacksod Point	1018·2	48	N	3	cg	1021·8	+2	46	−2	NE	4	–	cg	3	1	51	44	omr	cg	cg	*
	Valencia (Cahirciveen)	1018·4	55	NNW	4	b	1022·0	+2	50	−2	N	3	–	o	3	–	57	49	of	bc.b	bc.c.o	6·1
	Roche's Point	1016·6	56	NW	3	o	1020·0	*	49	−4	N	4	N	c	3	–	61	47	o.c	c.o	o.c	*
	Birr Castle ...	1015·9	52	NW	1	o	1019·6	*	47	−4	NNW	1	–	o	*	3	52	46	or	od.o	o	0·1
	Donaghadee ...	1012·4	48	WNW	4	omr	1018·5	+5	45	−9	NNE	2	–	ofr	2	6	55	45	ogm	ogm.or	ofr	*
	Liverpool (Bidston)	1013·5	52	W	3	o	1016·5	+2	47	−9	W	1	W	p	1	4	61	47	bcm	om	or	5·5
	Holyhead ...	1014·0	50	SW	3	omd	1018·7	+1	47	−2	W	2	–	om	1	5	55	46	fe	fe.omd	fd.omr	0·4
	Pembroke (St. Ann's)	1015·7	49	SSW	1	f	1017·9	+1	47	−1	WNW	1	–	o	1	0·3	51	46	fe	fe	o	0·0
	Scilly (St. Mary's)	1016·9	53	W	2	f	1018·8	+1	52	−2	ENE	1	E	cm	3	–	59	51	bmf	f	f.cm	3·1
	Falmouth ...	1017·2	58	WSW	2	oz	1018·3	+2	53	−2	N	1	–	o	*	–	64	51	b.bc	c.og	o	5·0
	Jersey (St. Aubin)	1017·2	61	W	3	bc	1018·0	*	52	−1	W	3	–	ome	2	–	63	49	of.b	b.bc	fe.ome	8·5
	Portland Bill ...	1015·2	50	WSW	4	cf	1016·5	+1	51	−1	W	3	W	c	3	–	57	47	b.bc	bc.cf	cf	*
	Dungeness ...	1012·2	53	WSW	4	c	1014·5	+1	50	−4	WSW	3	SW	c	3	–	63	47	bc	bc	bc	*
	Dover	1013·4	55	SSW	2	c	1015·3	*	58	−1	NW	1	NW	bc	2	–	70	52	o.c	bc.c	bc	3·7
	Wick	1015·7	46	N	2	m	1021·6	+3	44	0	NNW	3	–	o	3	1	46	42	fed.om	ompq	omq	*
	Nairn	1015·8	47	–	0	omd	1021·5	*	44	−5	–	0	–	cg	1	2	51	43	om	odmq	cmd	0·0
	Aberdeen ...	1014·2	48	NNW	4	o	1020·9	+3	45	−10	NNW	3	–	o	3	–	59	45	c.o.bc	c.o	o.c.o	1·9
	Leith	1012·8	51	E	1	p	1020·2	+2	45	−10	E	1	E	c	2	5	59	40	om.c.o	omd.o	nod.oc	*
	Tynemouth ...	1012·2	56	–	0	ogm	1018·8	+4	44	−12	N	3	–	omr	4	5	61	44	bcm	cm	omr	*
	Spurn Head ...	1011·1	59	NW	3	cm	1015·6	+1	47	−7	N	4	–	o	4	–	60	45	bcm	ctm	cm	6·4
	Yarmouth (Gorleston)	1011·0	53	S	2	bcf	1015·3	+2	53	+3	NW	4	–	om	3	4	74	50	bcf	bcf	bcf.om	2·1
	Clacton-on-Sea	1011·7	57	S	2	bc	1014·9	+2	58	+2	WNW	2	–	bc	1	0·3	63	53	cp.cx	c.bcx	bcx	1·9
	Nottingham ...	1012·3	65	WNW	3	b	1016·2	*	49	−7	N	3	N	o	*	–	72	49	b	bc.b	bc.o	11·5
	Benson (Oxon.) ...	1013·3	66	W	3	b	1015·1	+1	55	−2	W	1	–	bcx	*	–	71	53	bc	b	c.o	*
	Sth Farnborough	1012·9	65	W	3	c	1015·4	+1	56	−2	W	2	–	o	*	–	75	51	c.b.o.c	c.o.c	c.b.o.co	8·3
	London (Kew Obsy.)	1013·1	67	WSW	4	bcv	1015·8	+2	57	−2	W	2	W	om	*	–	74	55	om.o.c.o	ocv.bcv	bcv.brom	7·7
NORTHERN EUROPE.	Spitsbergen ...	1018·3	14	–	0	S	1014·8	−1	16	+15	SSE	2	*	S	*	*	16	1				
	Vardö	1018·6	34	WNW	2	b	1014·3	0	32	−4	N	4	–	o	3	*	37	27				
	Bodö	1011·5	43	N	1	b	1010·7	0	43	0	S	2	–	bc	1	–	46	37				
	Christiansund ...	1012·6	45	W	1	o	1011·1	0	45	−1	–	6	–	f	3	4	46	41				
	Skudesnaes ..	1011·6	46	ESE	2	p	1012·6	+1	45	0	N	5	–	f	2	6	46	43				
	Færder (X'lania Fjord)	1012·3	45	SSW	2	f	1009·5	−1	50	+4	SW	1	–	o	1	–	50	45				
	The Scaw (Skagen)	1014·3	46	–	0	f	1011·1	−1	52	+4	WNW	1	SW	bc	1	–	54	41				
	Blaavands Huk	1013·0	61	SE	1	m	1011·0	+3	54	+4	NE	1	–	o	*	–	66	48				
	Copenhagen ...	1013·4	52	NNE	2	o	1010·2	+1	50	−2	NE	2	–	m	*	7	63	50				
	Bornholm ...	1013·9	55	SW	5	p	1009·6	−2	54	0	WSW	1	–	m	0	1	63	46				
FRANCE, &c.	The Helder ...	1011·7	61	–	0	c	1012·3	0	50	−5	SW	2	–	f	0	2	63	48				
	C Gris Nez ...	1014·0	53	SW	4	c	1016·2	+2	47	−17	SSW	4	*	f	3	–	64	46				
	La Hève	1015·9	53	NW	4	bc	1017·2	*	50	−11	WNW	3	*	f	2	–	68	48				
	Brest (St. Mathieu)	1019·0	60	W	2	o	?1019·8	0	54	−2	NW	3	*	o	3	–	61	54				
	Rochefort (Ile d'Aix)	1017·0	62	WSW	1	o	1018·7	+2	57	−3	NNW	4	*	o	*	–	68	57				
	Biarritz	1017·8	61	W	4	p	1019·4	+2	59	−2	NW	3	*	p	2	2	70	57				
	Paris	1015·4	69	W	1	bc	1017·5	+1	57	−12	NNW	1	–	o	*	Trace	80	55				
	Belfort	1015·9	72	W	2	c	1017·2	*	60	−5	W	3	*	o	*	–	81	57				
	Lyons	1014·8	77	SW	3	o	1016·2	*	60	−6	NW	1	*	c	*	1	85	58				
	Nice	1017·1	70	SW	3	b	1013·6	−1	74	0	–	0	*	bc	0	–	82	63				
	Perpignan ...	1015·8	65	E	2	o	1015·9	0	60	−4	NW	2	S	p	*	2	75	57				
	Sanguinaire ...	1017·5	68	N	1	b	1015·6	*	68	−4	W	2	*	f	1	–	82	61				
SOUTHERN STATIONS.	Corunna	1020·0	61	NNE	3	c	1024·3	+1	59		NNE	3	–	o	2	4	64					
	Madrid														1							
	Lisbon	1020·2	66	WNW	3	b	1020·2	0	63	+4	NNW	3	–	c	5	–	68	57				
	Azores (Horta) ...	1021·6	*	S	6	m	1020·0	+1	61	0	S	6	*	p	4	?	64	61				
	Madeira	1021·9	66	NE	3	bc	1022·6	−1	59	0	NE	3	–	bc	3	–	66	59				
	Gibraltar	1017·9	66	W	5	b	1016·6	*	60	0	NW	4	*	b	2	–	74	59				
	Malta	*	*	*	*	*	1014·2	+1	70	0	W	1	–	b	0	–	77	63				
	Limassol	*	*	*	*	*	1010·2	+2	70	−2	–	0	–	b	0	–	77	52				
	Alexandria ...	1011·2	68	NNE	1	b	1010·7	+1	70	0	–	0	–	b	0	–	82	63				
	Cairo (Helwan) ...	1009·1	75	NE	4	b	1009·8	+2	72	+2	E	1	–	b	*	–	91	66				

LONDON OBSERVATIONS.

	Humidity. 15 h. 14th	Humidity. 9 h. 15th	Sunshine for 14th	24 Hours ended 0 h. 15th. Temperature. Max.	Temperature. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	48	79	5.0	80	54	45	–	c	c	c.bl.o
CITY (Bunhill Row)	*	*	5.5	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	41	76	7.3	76	55	?	–	bc	bc	o
CAMDEN SQ. (British Rainfall) ..	44	68	7.3	78	65	50	–	bc	bc	*
HAMPSTEAD (Reservoir)	*	76	8.0	61	51	40	–	bc	bc	c
S. KENSINGTON (Museum Grounds)	*	77	5.7	77	55	49	–	bc.o	c.bc	o

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during 14th.

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
1474	26.5	72.5

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

NOTE

SOLAR HALO was observed at SOUTH FARNBOROUGH Yesterday, (14th) at 14h. 10m.

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

Issue No. 29,264 **DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917.** Wednesday 16th MAY

YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON Tuesday 15th MAY 1917.

Temperature failed to reach 50° in some parts of England, Scotland, and Northern Ireland, and fell very quickly over the SE. of England late in the day. Bright sunshine records varied greatly; in Wales and Northern England the day was dull. Scarcely any rain was experienced except at Dover, where there was 7 mm.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR Tuesday 15th MAY UP TO 17 H.

	STATIONS.	Sunshine for 14h.	Rainfall. Night. 17h-9h.	Rainfall. Day. 9h-17h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon	Sunshine to 17 h. 15m
			Mm.	Mm.	°F.	°F.			Hr.
Coastal	Oban	2.1	–	–	58	45	c.bc	bc.b	10.5
Coastal	Banff	0.0	Trace	–	48	44	c.bc	bc.b	6.3
Coastal	Montrose	0.0	–	–	61	43	o	o	0.0
Coastal	St. Andrews								
Coastal	Carnoustie	*	*	*	53	45	bc.c	bc	5.6
N.E.	Harrogate	11.1	–	–	46	43	o	o	0.0
N.E.	Skegness	7.2	–	–	49	44	bc	o	0.0
N.W.	Morecambe								
N.W.	Southport	3.2	7	Trace	52	47	or	o.c.o	0.0
Midlands.	Leamington Spa								
Midlands.	Malvern								
Midlands.	Ross-on-Wye	8.4	–	Trace	57	49	bc.cm	or	0.2
	Rhyl	4.8	1	–	57	46	od	o	0.0
	Colwyn Bay	*	*	*	50	47	cd	d.c	0.0
	Llandudno	*	*	*	51	47	c	c	0.0
	Aberystwyth	*	*	*	51	47	r.o.c	c.o	0.0
England, E.	Lowestoft	1.8	–	–	61	47	c.o.c	c.o	3.7
England, E.	Felixstowe	2.4	–	–	66	52	bcm	c.bcm	4.9
England, E.	Walton-on-Naze	1.6	–	–	63	52	b.bc	bc	3.4
England, E.	Southend-on-Sea	1.4	–	–	67	52	o.c	o.c.bc	1.9
England, S.E.	Margate	2.6	–	–	65	54	c	c	1.5
England, S.E.	Hastings	4.0	–	–	62	49	bc.o	b.bc.o	2.8
England, S.E.	Eastbourne	3.9	–	–	63	47	bc.b	bc.b	4.7
England, S.E.	Seaford	4.3	*	*	60	47	bc	bc	4.7
England, S.E.	Brighton	6.4	–	–	59	49	o.c	c	5.3
England, S.E.	Worthing	4.3	–	–	63	51	bc	bc	5.6
England, S.E.	Littlehampton	*	–	–	61	50	–	–	3.8
England, S.E.	Bognor								
England, S.E.	Bournemouth	10.0	–	–	65	53	bc	c	7.0
England, S.W.	Weymouth	*	*	*	66	50	bc	bc.z	4.2
England, S.W.	Torquay	2.6	–	–	64	53	c.bc	bc.c	4.0
England, S.W.	Paignton								
England, S.W.	Penzance	3.4	–	–	60	53	bc	b	8.0
England, S.W.	Newquay	3.0	1	–	54	50	p.b	b	8.2
England, S.W.	Bude	0.0	–	–	56	51	bc	o	5.6
England, S.W.	Ilfracombe	0.6	–	–	52	49	c.b	c	1.6
England, S.W.	Weston-s-Mare	1.5	–	–	56	50	c.bc	b.bc.c	3.0

REPORTS FROM FOREIGN STATIONS FOR Tuesday 15th MAY.

STATIONS.	Evening of 14th: Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	Morning of 15th: Barometer, Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb.	Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
		°F.					‡	°F.	°F.					°F	°F
Archangel						1024.3	–5	43		W	2	r	2	*	39
Gorki	1032.0	46	–	0	b									*	
Velieki Luki							*							*	
Hangö	1019.1	43	SSW	3	o	1013.1	–2	41	0	SSW	4	o	1	*	37
Riga	1022.7	55	S	2	o	1018.9	+1	52	0	SSW	3	o	–	*	50
Petrograd	1023.7	55	S	3	b	1018.4	–2	52	+4	SW	4	o	–	63	46
Moscow	1032.7	52	S	2	b	1032.2	0	48	+3	W	1	bc	9	*	37
Kiev														*	
Kharkov	1029.5	48	ENE	2	0									*	
Kishinev														*	
Elisabetgrad	1027.3	45	ENE	4	o	1023.7	0	48	0	E	5	o	–	*	41
Nicolaiev	1023.1	45	ENE	7	o	1019.7	*	45	–3	ENE	4	o	1	*	43
Odessa	1023.5	45	E	5	o	1019.8	0	45	–3	ENE	4	o	–	*	43
Tarkhankout	1018.0	45	NNE	7	o		*							*	
Soukhoum														*	
Venice	1016.7	72	–	0	c	1015.8	*	66	–4	NE	1	bc	–	77	64
Pesaro	1017.6	66	–	0	b	1015.8	*	68	+5	–	0	b	–	79	57
Rome	1016.5	70	–	0	b	1014.2	*	70	+2	N	1	b	–	81	61
Viesti	1016.9	68	NNW	1	b	1015.3	*	68	–4	–	0	b	–	75	64
Brindisi	1015.4	64	NW	1	b	1014.7	*	61	–5	NW	1	b	–	68	61
Cagliari	1019.3	77	SE	3	b	1016.2	*	68	0	–	0	b	–	70	57
Palermo	1018.3	68	–	0	b	1014.6	*	64	–2	–	0	b	–	81	52
Tripoli							*								
Algiers	1015.4	64	–	0	m	1015.8	+1	66	+2	WSW	2	bc	–	75	63
Hernösand	1009.9	45	S	2	c	1011.0	*	41	+4	–	0	o	*	*	*
Stockholm	1014.2	48	SSE	2	o	1009.7	*	54	+2	–	0	b	*	*	*
Wisby	1013.9	52	S	4	b	1008.4	*	45	–9	SW	2	m	*	*	*

ICELAND.	Morning of 15th: Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather
		°F	°F			
Isafjord	1025.0	30	–15	W	3	o
Reykjavik	1023.9	39	–6	–	0	bc
Vestmanna						
Seydisfjord	1022.0	37	+3	W	4	c
Thorshavn	1021.6	45	+2	NW	2	o

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

16th–17th MAY 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.58 / 3.57	11.49 / 11.49	7.40 / 7.41
Greenwich	4.9 / 4.8	11.56 / 11.56	7.43 / 7.44
Wick	3.46 / 3.44	12.8 / 12.8	8.31 / 8.33
Valencia	4.47 / 4.46	12.37 / 12.37	8.26 / 8.27

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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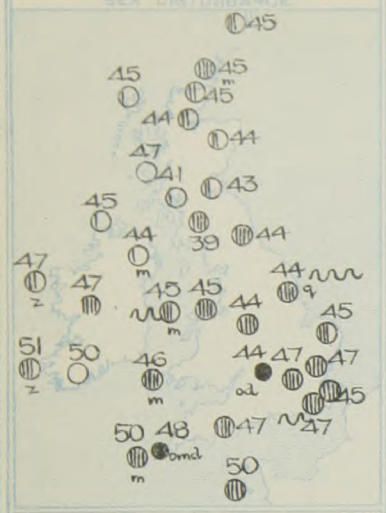
‡ The barometric change is expressed in half-millibars.

THE MORNING OF Wednesday, 16th MAY, 1917.

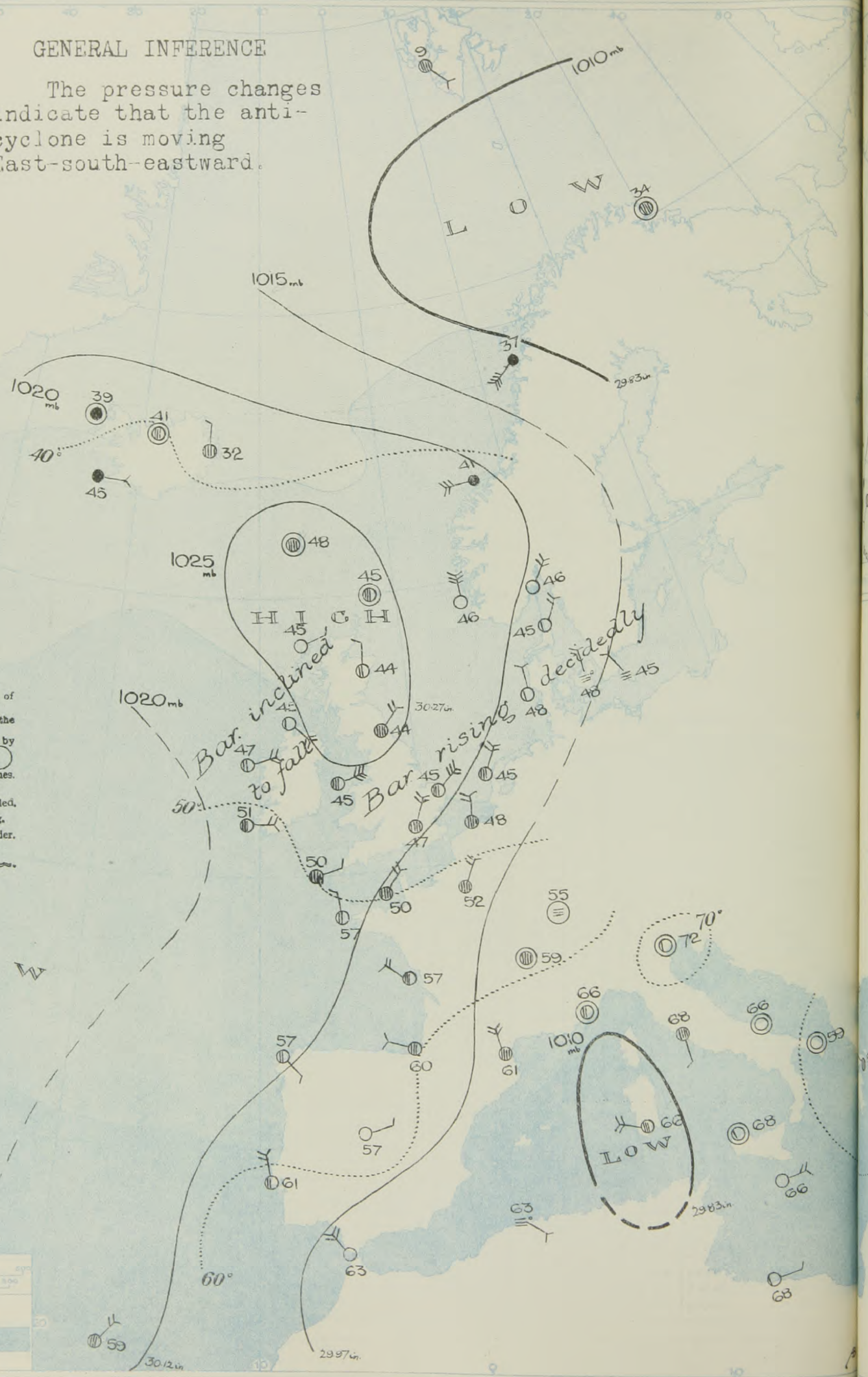
TEMPERATURE, WEATHER AND SEA DISTURBANCE.



FORECAST DISTRICTS.

GENERAL INFERENCE

The pressure changes indicate that the anti-cyclone is moving East-south-eastward.



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 ¼ clouded. ◑ sky ½ clouded. ◕ sky ¾ clouded. ● overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤, thunder. ⊼, thunderstorm.

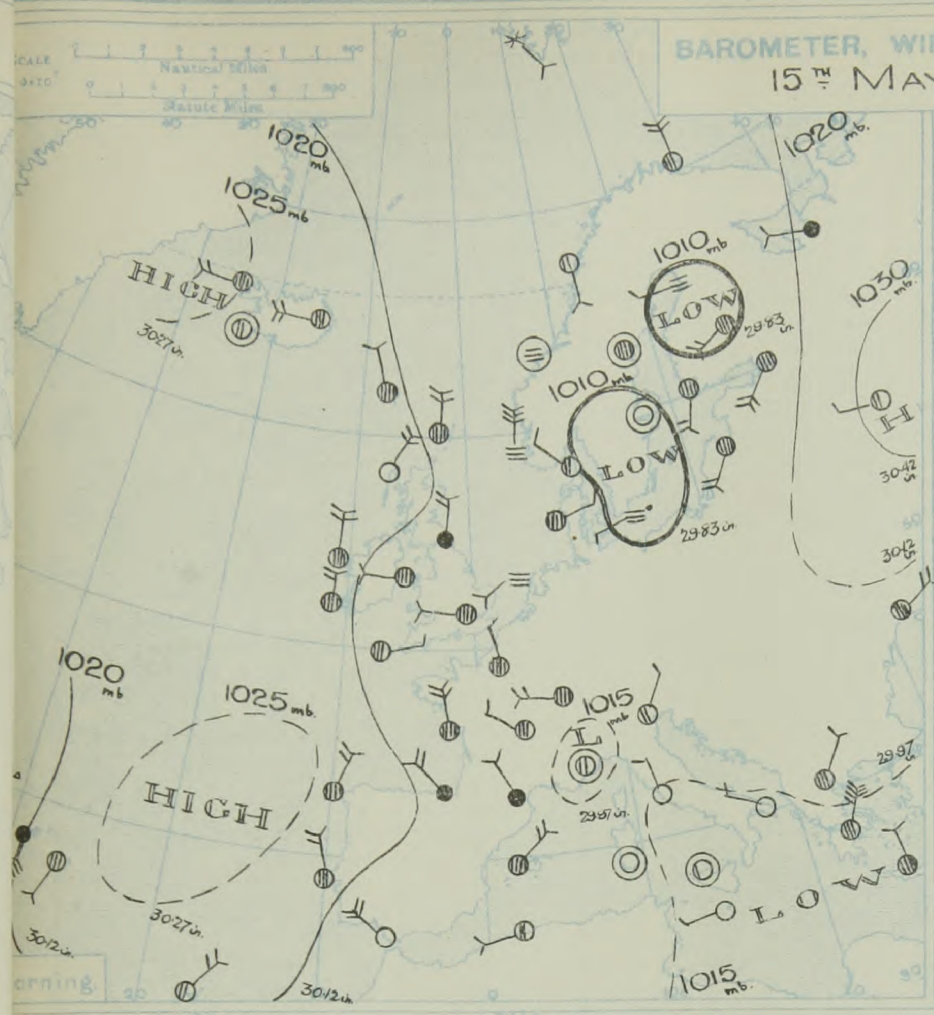
SEA DISTURBANCE.—Rough ~~. High ≈≈.

Scale of Tints for MAY.

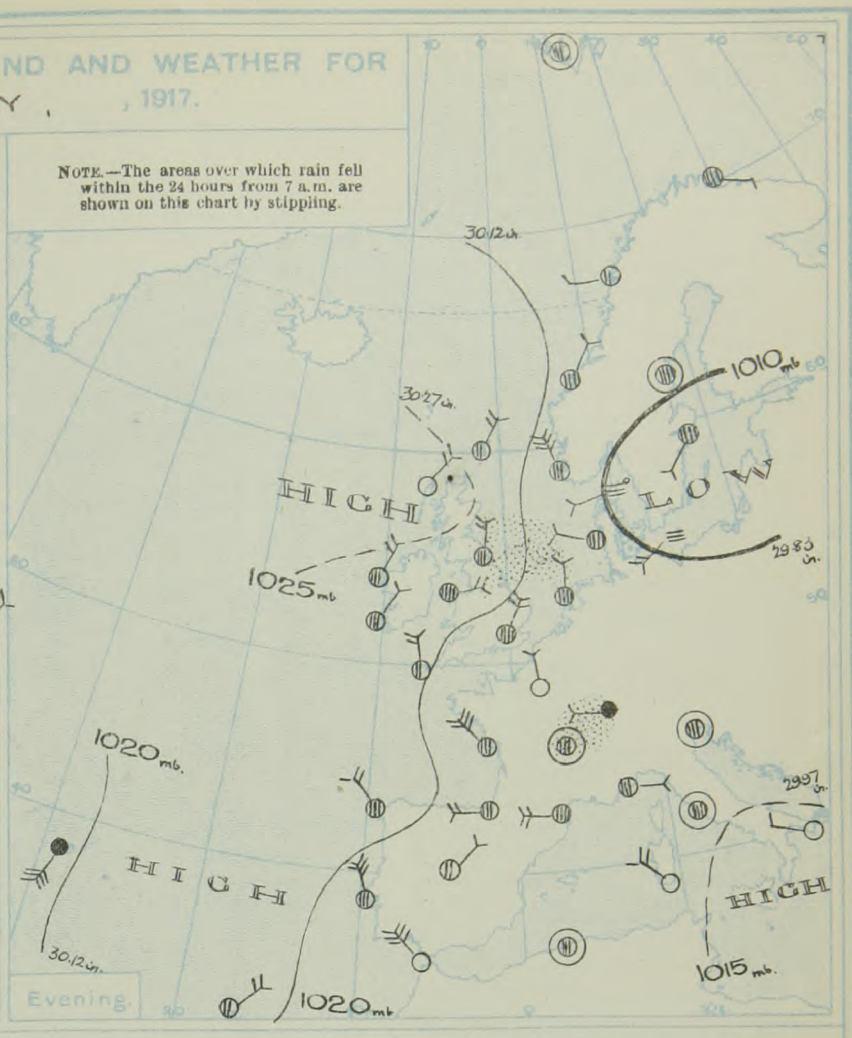
Normal Temperature of the Sea.

Below 40° | 40°-50° | 50°-60° | Above 60°

BAROMETER, WIND AND WEATHER FOR 15TH MAY, , 1917.



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



FORECASTS NOON WEDNESDAY TO NOON THURSDAY.

0 a b 1 — Winds light, variable; fair generally; cold.

2 a b 3 4 a b c 5 — NE. to E. winds, light or moderate, fresh at times on coast; cloudy to fair; cold.

6 a b 7 a b 8 a b 9 a b 10 a b — E. to SE. winds, light or moderate, fair generally; very cool then rather milder.

11 — Wind between N. and E. light or moderate; sea slight; fair.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 133. Wednesday, 16th MAY.

	STATIONS.	EVENING OF 15th					MORNING OF 16th								24 HOURS ENDED 7 A.M.						Sunshine for 15th.
		Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1023·9	46	NNE	3	bc	1025·6	0	45	+1	–	0	–	c	0	–	47	38	c.o	bc	bc.c	*
	Deerness (Orkney)	1025·4	45	N	4	c	1026·4	*	45	+1	W	1	–	om	1	Trace	48	40	o.c	c	c.ow	10·3
	Stornoway ...	1026·7	48	NE	3	bz	1026·6	0	45	+1	NE	1	–	b	1	–	51	36	bc	bc.bz	b	13·0
	Castlebay (Barra Isd.)																					
	Glasgow ...	1024·5	48	E	2	om	1026·9	+1	41	−3	ENE	1	–	b	*	–	52	36	o	c.om	c.bc.bx	0·3
	Eskdalemuir ...	1023·9	45	NE	5	cv	1026·6	+1	39	−3	NE	3	–	o	*	–	47	32	o	ov. cv	cv.bc.c	0·8
	Malin Head ...	1024·3	48	NNE	2	bc	1023·9	0	45	+1	SE	4	–	b	2	–	49	43	bcq	bc	b	6·5
	Blacksod Point	1023·1	48	NNE	3	c	1021·4	−2	47	+1	ENE	4	–	bcx	4	–	50	44	cg	cg	c.bc	*
	Valencia (Cahirciveen)	1022·6	50	NNE	2	c	1020·9	−1	51	+1	E	3	E	cx	3	–	54	47	o	o.c	c.ox	2·4
	Roche's Point	1021·8	55	NNE	2	cg	1022·0	*	50	+1	E	3	–	b	3	0·1	56	48	cg	cg	o.bz	*
	Birr Castle ...	1022·1	54	NW	2	c	1023·3	*	47	0	E	2	–	o	*	–	55	44	o.c	c	o	0·7
	Donaghadee ...	1023·4	48	–	0	ogm	1025·1	+1	44	−1	E	4	–	bm	3	0·1	49	40	om	om	og.bcm	*
	Liverpool (Bidston)	1022·0	48	NE	3	o	1024·7	+1	45	−2	NE	1	–	o	2	1	50	43	oe	o	o	0·0
	Holyhead ...	1021·7	50	ENE	4	om	1023·2	0	45	−2	ENE	6	E	cm	5	–	52	42	epd.fe	o.c.om	o.cm	0·1
	Pembroke (St. Ann's)	1019·9	51	N	2	c	1022·2	+2	46	−1	E	3	–	om	2	–	52	46	o.cf.c	c	c.o	0·0
	Scilly (St. Mary's)	1020·9	54	NNW	3	bc	1020·6	−1	50	−2	ENE	1	NE	om	3	–	59	49	cm.c	c.bc	c.om	6·3
	Falmouth ...	1019·3	55	NW	3	b	1020·6	+1	48	−5	ESE	4	–	omd	*	Trace	61	48	b.bc	b	bcq.md	8·8
	Jersey (St Aubin)	1018·2	55	WNW	3	b	1019·3	*	50	−2	NE	3	–	o	2	–	56	49	ome.fe	fe.o.b	b.o	3·2
	Portland Bill ...	1017·2	54	W	1	b	1020·5	+1	47	−4	NE	4	–	o	3	–	58	47	bc	bc.b	bc.c.o	*
	Dungeness ...	1016·4	55	NW	1	c	1019·6	+1	47	−3	NE	5	–	o	5	–	57	46	bc	bc	bc.o	*
	Dover	1016·7	50	–	0	o	1019·8	*	45	−13	NNE	6	N	o	4	7	60	43	cp.c	c.o	cpr.om	2·4
	Wick	1025·3	46	NNE	3	bc	1027·3	0	45	+1	–	0	–	bc	2	–	46	33	cgm	cm.bc	bm.bcm	*
	Nairn	1025·6	48	ENE	2	bc	1026·5	*	44	0	–	0	–	bc	0	–	52	31	c.bc	bc	bcx	8·4
	Aberdeen ...	1025·2	48	N	3	bc	1027·3	0	44	−1	N	1	–	bc	2	–	49	35	o	o.c.bc	bc.b	3·9
	Leith	1025·0	48	E	1	o	1026·5	0	43	−2	E	1	E	bc	2	–	52	40	o.c.bc	c.o.bc.o	o.c.b.bc	*
	Tynemouth ...	1023·4	45	N	3	cmq	1025·6	+1	44	0	NNE	3	–	o	3	1	46	41	omqr	omq	om	*
	Spurn Head ...	1026·5	45	N	6	oqd	1023·5	+1	44	−3	ENE	4	–	oq	5	Trace	47	43	oq	oq	cqp	0·0
	Yarmouth (Gorleston)	1017·6	49	NNE	5	o	1021·0	+2	45	−8	NE	5	–	c	4	–	60	44	cq.bcm	bc.cmq	oq.omd	1·6
	Clacton-on-Sea	1017·6	56	NW	3	c	1021·0	+1	47	−11	NNE	4	NE	o	3	–	66	46	bc.cx	cx	c.og	4·3
	Nottingham ...	1021·4	45	NE	3	r	1024·1	*	44	−5	NE	3	NE	o	*	2	50	43	op	or	or	0·0
	Benson (Oxon.) ...	1017·8	51	NNE	4	o	1021·4	+2	44	−11	NNE	3	–	od	*	0·1	64	44	bc	bc	o	*
	Sth Farnborough	1017·4	54	NNE	3	r	1020·7	+1	46	−10	NNE	3	–	o	*	–	68	45	o.c	o.or.od	o	2·2
	London (Kew Obsy.)	1018·6	52	NNE	4	o	1021·6	+2	47	−10	NNE	4	–	o	*	–	64	45	om.o	o	o	1·2
NORTHERN EUROPE.	Spitsbergen ...	1012·6	14	–	0	c	1012·0	0	9	−7	SSE	2	*	o	*	*	18	−8				
	Vardö	1012·2	30	SSE	1	o	1006·6	−3	34	+2	–	0	–	o	2	*	34	29				
	Bodö	1013·6	37	W	1	bc	1010·8	−4	37	−6	SW	4	–	r	4	–	41	34				
	Christiansund ...	1019·9	41	NE	2	o	1022·2	0	41	−4	W	5	–	r	4	3	45	37				
	Skudesnaes ..	1016·8	45	NNW	6	c	1021·8	+2	46	+1	N	6	–	b	2	–	50	39				
	Færder (X'landa Fjord)	1008·7	54	NW	2	b	1019·9	+4	46	−4	NE	4	–	b	1	–	54	43				
	The Scaw (Skagen)	1009·1	50	WSW	2	m	1019·0	+6	45	−7	NNE	3	–	b	3	–	63	45				
	Blaavands Huk	1013·8	45	NNW	2	o	1017·4	+2	48	−6	N	2	–	b	*	–	61	43				
	Copenhagen ...	1009·9	50	NNW	2	c	1015·1	+5	48	−2	N	3	–	m	*	Trace	59	46				
	Bornholm ...	1009·1	48	SW	3	f	1013·5	+4	45	−9	NNW	2	–	f	0	–	57	45				
FRANCE, &c.	The Helder ...	1015·3	48	N	2	o	1019·9	+2	45	+5	NNE	4	–	c	2	1	52	45				
	C. Gris Nez ...	1017·0	51	SSW	2	o	1019·0	+1	45	−2	NE	5	*	f	5	–	54	45				
	La Hève	1017·1	53	NW	3	bc	1018·2	*	46	−4	NE	3	*	m	2	4	64	46				
	Brest (St. Mathieu)	1020·3	54	N	3	m	1020·2	0	57	+3	NNW	1	*	bc	1	–	59	50				
	Rochefort (Ile d'Aix)	1017·5	59	NW	5	c	1017·9	0	57	0	NW	3	*	c	*	–	63	55				
	Biarritz	1019·1	61	W	3	c	1019·0	0	60	+1	WNW	2	*	c	2	–	64	55				
	Paris	1015·6	63	N	2	bc	1016·8	+2	52	−3	NNE	3	–	o	*	–	68	50				
	Belfort	1015·4	61	W	2	r	1013·9	*	55	−5	–	0	*	f	*	3	75	53				
	Lyons	1012·3	66	–	0	c	1013·0	*	59	−1	–	0	*	c	*	2	71	52				
	Nice	1011·4	69	E	2	c	1010·4	0	66	−8	–	0	*	bc	0	–	80	59				
	Perpignan ...	1015·1	64	W	4	o	1014·3	0	61	+1	NW	4	*	o	*	Trace	75	59				
	Sanguinaire ...	*					*	*					*									
SOUTHERN STATIONS.	Corunna	1024·0	59	NNW	3	c	1021·0	−2	57	−2	SE	1	NW	bc	1	–	61	50				
	Madrid	1015·0	70	NE	2	bc	1017·4	0	57	–	ENE	1	–	b	*	–	72	50				
	Lisbon	1018·3	64	NNW	5	c	1016·8	−1	61	−2	NNW	3	–	bc	5	–	68	55				
	Azores (Horta) ...	1019·7	*	SSW	6	r	?	−1	61	0	?	4	*	r	3	13	63	52				
	Madeira	1021·4	66	NE	3	bc	1021·5	−1	59	0	NE	3	–	c	3	–	66	59				
	Gibraltar	1014·9	65	NW	6	b	1013·9	*	63	+3	NW	4	*	b	1	–	72	59				
	Malta	*	*	*	*	*	1013·8	+4	66	−4	E	3	–	bc	2	–	77	64				
	Limassol	*	*	*	*	*	1009·5	+2	66		–	0	W	bc	3	5	75	54				
	Alexandria ...	1011·9	66	N	2	b	1013·5	+2	66	−4	–	0	NW	bc	0	–	77	59				
	Cairo (Helwan) ...	1011·1	73	N	2	b	1013·2	+2	70	−2	N	1	–	b	*	–	86	61				

RAINFALL.

Equivalents of Millimetres in Inches.

mm.	Inches.	mm.	Inches
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·10
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69
19	0·75	44	1·73
20	0·79	45	1·77
21	0·83	46	1·81
22	0·87	47	1·85
23	0·91	48	1·89
24	0·95	49	1·93
25	0·98	50	1·97

LONDON OBSERVATIONS.

	Humidity. 15 h. 15th	Humidity. 9 h. 16th	Sunshine for 15th	24 Hours ended 9 h. 16th. Temperature. Max.	Temperature. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	74	88	0·6	69	45	45	–	o	o	o
CITY (Bunhill Row)	*	*	1·0	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	70	85	1·7	67	47	45	–	bcu	bc	oe
CAMDEN SQ. (British Rainfall)	68	77	2·3	69	46	46	–	o.c	b.o	*
HAMPSTEAD (Reservoir)	*	81	2·8	65	42	36	–	bc.o	o	o
S. KENSINGTON (Museum Grounds)	*	76	1·5	68	47	46	–	o	o	o

SOUTH KENSINGTON.

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

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
1064.	19.0.	71.5.

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

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

Issue No. 20,265 **DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917.** Thursday 17th MAY

YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON Wednesday 16th MAY 1917.

Temperature remained below 50° in many parts of the Kingdom, and except in Scotland the day was cloudy or overcast. No rain fell except in the SE, where it began during the night.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR Wednesday 16th MAY UP TO 17 H.

	STATIONS.	Sunshine for 15h	Rainfall. Night. 17h-9h.	Rainfall. Day. 9h-17h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 17 h. 16th
			Mm.	Mm.	°F.	°F.			Hr.
Scotland.	Oban	12·7	—	—	56	40	b	b	10·5
	Banff	8·8	—	—	49	36	b	b	11·2
	Montrose	0·0	—	—	50	33	b	b	12·0
	St. Andrews		—	—	48	37	b	b	12·2
	Carnoustie	*	*	*	49	°	bc. c	b	12·5
Eng. N.E.	Harrogate	0·0	—	—	48	40	0	c.0	0·3
	Skegness	0·0	—	—	48	44	0	0	0·0
Eng. N.W.	Morecambe								
	Southport	0·0	—	—	55	42	o.c. bc	bc. b. bc	4·5
Midlands.	Leamington Spa								
	Malvern								
	Ross-on-Wye	0·2	—	—	52	43	c	c	0·4
Wales.	Rhyl	0·0	—	—	55	43	c.0	c.o. bc	4·5
	Colwyn Bay	*	*	*	54	44	o.c	bc	3·2
	Llandudno	*	*	*	53	43	a	b.	4·0
	Aberystwyth	*	*	*	53	45	or. o	c.b. o	0·7
England. E.	Lowestoft	3·7	—	—	46	44	o.c.o	o	0·0
	Felixstowe	4·9	—	—	51	45	or	bcv	1·3
	Walton-on-Naze								
	Southend-on-Sea	1·9	—	—	52	46	o	c.bcv	2·5
England. S.E.	Margate	1·5	—	—	53	44	o	o	0·0
	Hastings	2·8	3	—	53	45	or. o	b. bc	0·3
	Eastbourne	4·7	—	—	54	47	o	be. o	0·1
	Seaford	4·8	*	*	59	45	o	o.c	1·3
	Brighton	6·0	—	—	55	.?			?
	Worthing	6·4	—	—	55	47	c	o	0·3
	Littlehampton	*	*	*	55	47	—	—	0·1
	Bognor								
	Bournemouth	7·0	—	—	53	46	o	o	0·0
England. S.W.	Weymouth	*	*	*	53	47	o	om	0·0
	Torquay	?	—	—	?	?	o	o	?
	Paignton								
	Penzance	9·7	—	—	52	50	o	o	0·0
	Newquay	8·2	1	1	52	48	od	o	0·0
	Bude	5·6	—	—	56	48	o	o	1·4
	Ilfracombe	1·6	—	—	51	43	c	c.b	0·6
	Weston-s-Mare		*	*					

REPORTS FROM FOREIGN STATIONS FOR Wednesday 16th MAY

	STATIONS.	Evening of 15th: Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	Morning of 16th: Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					‡	°F.	°F.					°F	°F
RUSSIA 7 a.m. and 9 p.m. Local Time.	Archangel	1006·1	43	W	2	r									*	
	Gorki	1022·9	52	S	2	o	1019·7	?	52		SSW	1	b	—	*	34
	Velieki Luki	1019·0	54	SSE	3	o	1013·9	*	54		SSE	3	o	—	*	46
	Hangö						1005·6	+1	39	-2	NNW	2	r	2	*	36
	Riga	1011·8	54	SSW	2	r	1006·4	−1	48	-4	SSW	2	r	?	*	48
	Petrograd	1012·7	50	SSW	3	o	1005·7	−5	48	-4	S	4	r	—	65	48
	Moscow	1028·1	55	SW	3	o	1022·0	+1	54	+6	SSW	3	o	—	*	48
	Kiev	1023·3	52	SE	1	bc	1021·1	0	54		SE	2	b	—	*	43
	Kharkov	1024·0	55	E	2	b									*	
	Kishinev	1018·6	46	—	0	0	1015·9	?	52		NE	3	o	—	*	43
	Elisabetgrad	1021·5	55	ENE	3	c	1019·3	−1	54	+6	SE	4	b	—	*	48
	Nicolaiev	1018·6	?	ENE	4	bc	1016·8	*	52	+7	ENE	4	o	—	*	43
	Odessa	1018·6	73	ESE	3	o	1016·2	−1	50	+5	ENE	4	o	10	*	45
	Tarkhankout							*							*	
	Soukhoum														*	
MEDITERRANEAN.	Venice	1013·5	68	—	0	c	1011·7	*	72	+6	—	0	b	—	75	64
	Pesaro	1013·4	66	—	0	bc	1012·5	*	64	-4	S	1	c	—	75	52
	Rome	1012·9	70	—	0	o	1012·6	*	68	-2	S	1	o	2	92	64
	Viesti	1015·4	64	SSW	1	bc	1014·9	*	66	-2	—	0	b	—	73	59
	Brindisi	1015·3	64	NW	1	b	1013·6	*	56	-2	—	0	b	—	66	59
	Cagliari	1011·3	75	NW	3	b	1009·5	*	66	-2	WNW	4	c	—	77	55
	Palermo						1012·7	*	59	-5	—	0	0	6	79	65
	Tripoli						1012·1	*	68		ENE	1	b	—	79	59
	Algiers	1013·8	64	—	0	c	1014·3	+1	63	-3	SE	2	m	?	73	63
SWEDEN.	Hernösand	1010·6	39	—	0	0	1013·3	*	41	0	NW	6	c	*	*	*
	Stockholm	1006·3	57	SW	2	o	1013·5	*	41	-13	NNW	4	o	*	*	*
	Wisby	1005·5	50	SW	2	b	1011·7	*	41	-4	N	4	b	*	*	*

ICELAND.	Morning of 16th: Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather
		°F	°F			
Isafjord	1022.4	39	+9	—	0	r
Reykjavik	1021·2	45	+6	E	2	r
Vestmanna						
Seydisfjord	1024·7	32	-5	N	1	0
Thorshavn	1025·3	48	+3	—	0	0

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

17th & 18th MAY 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3·57 / 3·55	11·49 / 11·49	7·41 / 7·42
Greenwich	4·8 / 4·6	11·56 / 11·56	7·44 / 7·46
..ick	3·44 / 3·42	12·8 / 12·8	8·33 / 8·35
Valencia	4·46 / 4·45	12·37 / 12·37	8·27 / 8·28

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar-frost; z. dust-haze, or smoke.

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‡ The barometric change is expressed in half-millibars.

THE MORNING OF Thursday, 17th MAY, 1917.

TEMPERATURE, WEATHER AND SEA DISTURBANCE

FORECAST DISTRICTS.

GENERAL INFERENCE

There are no indications of any great change in the pressure distribution.

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 ◯

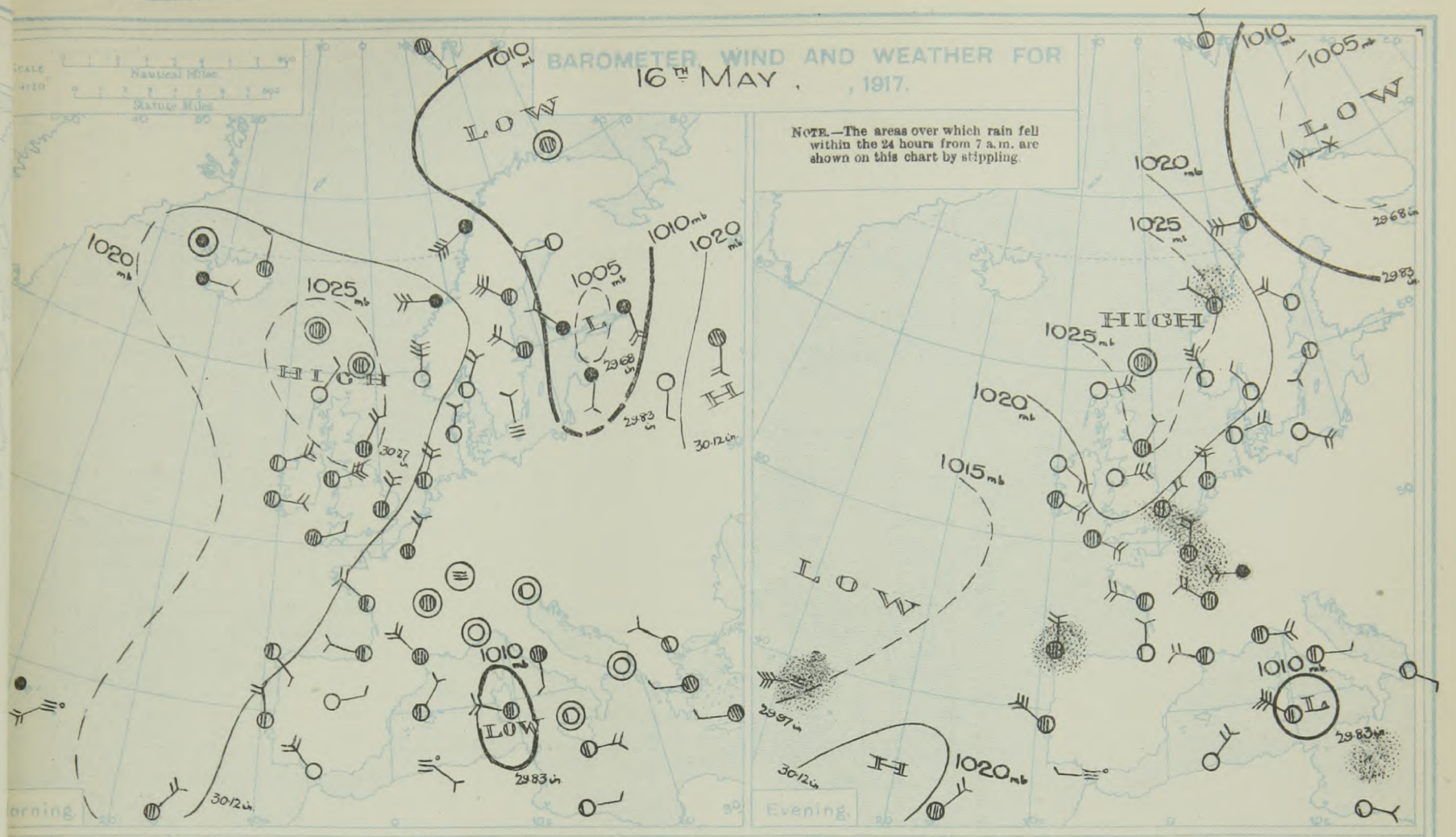
TEMPERATURE.—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

WEATHER.—Shown by the following symbols :—
◯ clear sky. ◐ sky ¼ clouded. ◑ sky ½ clouded. ◍ sky ¾ clouded. ◉ overcast sky. ● rain falling. ✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤, thunder. ⊼, thunderstorm.

SEA DISTURBANCE.—Rough ~~. High ≈.

Normal Temperature of the Sea.
Below 40° 40°-50° 50°-60° Above 60°
Scale of Tints for MAY.

BAROMETER, WIND AND WEATHER FOR 16TH MAY, , 1917.



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

FORECASTS NOON THURSDAY TO NOON FRIDAY

0 a, b } E. and SE. or S. winds, light or moderate; fair generally; cool.

1

2 a, b { E. or NE. winds, light or moderate; cloudy; some showers; cool.

3

4 a, b, c } E. and NE. winds, moderate or light, fresh at times locally; dull, some rain, improving later. Very cool.

5

6 a, b Same as 0. and 1.

7 a, b, 8 a, b } Wind SE. or E. light or moderate; fair generally; cool.

9 a, b, 10 a, b } Wind between SE. and NE, light or moderate; fair generally; cool.

11 E. and NE. winds, moderate; sea slight; cloudy.

Western Channel and Bay.

FURTHER OUTLOOK.

20

R. G. K. LEMPFERT, Superintendent, Forecast Division.

NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 137. Thursday, 17th MAY.

	STATIONS	Evening of 16th: Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12.	Weather.	Morning of 17th: Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	24 hours ended 7 A.M.: Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for 16th.
			°F.					*	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1026·2	48	–	0	0	1025·4	0	49	+4	S	1	–	bc	1	–	49	41	c	c o	o. bc	*
	Deerness (Orkney)	1026·4	47	SSE	2	b	1024·7	*	45	0	ESE	3	SE	b	1	–	50	40	o	o.c.bc.b	bw	4·5
	Stornoway ...	1024·8	49	ENE	4	b	1022·1	–1	48	+3	E	1	–	b	0	–	55	39	b	b.	b	14·0
	Castlebay (Barra Isd.)																					
	Glasgow ...	1024·6	49	ENE	4	b	1023·4	–2	41	0	ENE	3	E	c	*	–	52	37	b	b	b.bc.cx	15·0
	Eskdalemuir ...	1024·5	46	NE	3	bv	1021·9	–2	41	+2	NE	6	–	bc	*	–	51	34	o.c.b	bv	bv.b.bc	8·2
	Malin Head ...	1021·9	48	E	3	b	1020·0	–2	40	–5	S	3	SE	bc	2	–	50	37	bc	b	bc	13·2
	Blacksod Point	1019·7	54	SE	3	bx	1015·7	–2	46	–1	ENE	3	E	bcm	3	–	56	45	bcx	bc	bx.bcx	*
	Valencia (Cahirciveen)	1019·7	53	ESE	4	cx	1013·2	–2	51	0	E	4	SE	ox	3	–	60	49	o.cx	c.bcx	c.ox	6·0
	Roche's Point	1020·2	50	E	4	ox	1015·4	*	49	–1	E	4	–	o	4	–	53	49	b.bc.ox	ox	c.o	. *
	Birr Castle ...	1020·2	53	SE	2	o	1017·2	*	46	–1	E	2	–	o	*	–	56	44	cx	o	o	3·6
	Donaghadee ...	1022·8	47	SE	2	bm	1020·2	–1	42	–2	SE	3	SE	cm	3	–	49	40	bm	bm	bm.em	*
	Liverpool (Bidston)	1021·8	51	E	3	m	1018·5	–2	43	–2	ENE	1	E	om	2	–	52	41	om.	c.bm	bc	4·4
	Holyhead ...	1021·1	50	ENE	5	bm	1017·2	–2	45	0	E	6	E	omg	5	–	53	40	c.o.cm	o.c.bcm	b.bc.c	4·0
	Pembroke (St. Ann's)	1020·6	48	SE	2	c	1016·5	–1	43	–3	ENE	3	NE	bc	2	–	51	41	o	o.c	o.c	0·5
	Scilly (St. Mary's)	1019·1	50	ESE	3	om	1013·4	–2	50	6	ESE	5	SE	om	4	–	54	48	om	om	om	0·0
	Falmouth ...	1019·0	49	SSE	2	ox	1014·4	–2	49	–1	E	4	–	o	*	Trace	52	49	omd.o	omg	o	0·0
	Jersey (St. Aubin)	1018·2	50	NE	4	o	1013·5	*	47	–3	ENE	3	–	o	2	–	52	45	o	o.c.o	o	0·0
	Portland Bill ...	1019·5	51	ENE	2	o	1015·1	–2	44	–3	ENE	3	E	or	2	–	52	42	o	o	o	*
	Dungeness ...	1018·5	47	NNE	5	bc	1013·1	–2	45	–2	NNE	3	–	or	3	3	53	43	o.c	c	o.c.or	*
	Dover	1019·8	49	N	6	o	1013·5	*	45	o	N	4	NE	r	2	4	49	41	om	o	opr	0·3
	Wick	1026·6	46	SE	2	b	1024·6	o	43	–2	SE	2	SE	o	2	–	48	41	b	b	c.omg	*
	Nairn	1023·9	52	ENE	3	b	1023·1	*	42	–2	–	0	–	bc	1	–	52	32	bcq	bcq	b.bcr	14·4
	Aberdeen ...	1027·0	46	E	2	b	1024·6	–1	46	+2	ESE	1	–	b	2	–	50	35	bc.b	b	bw	14·8
	Leith	1025·8	47	E	2	b	1023·7	o	43	o	E	2	E	c	3	–	49	41	bc.c.bc	b	bc.o.c	*
	Tynemouth ...	1025·1	44	NNE	2	o	1022·3	–1	45	+1	NE	3	NE	bcq	3	–	46	41	cm	cm	cq	*
	Spurn Head ...	1022·5	44	ENE	4	oq	1018·2	–1	46	+2	E	4	–	c	4	–	48	43	cq	oq	o	o·o
	Yarmouth (Gorleston)	1020·9	45	NE	4	o	1015·2	–3	48	+3	ENE	4	–	bcm	4	–	48	43	c.o	o	o.bcm	o·o
	Clacton-on-Sea	1020·3	38	N	4	c	1014·4	–2	46	–1	N	3	–	r	2	1	51	43	oq	o.c.bc.c	c.or	1·1
	Nottingham ...	1022·5	46	NE	3	o	1017·5	*	44	o	NE	4	NE	o	*	–	49	41	o	o.c	o	0·7
	Benson (Oxon.) ...	1020·5	49	NNE	3	bc	1015·0	–3	43	–1	N	2	–	r	*	1	51	40	o	c	o.or	*
	Sth Farnborough	1019·1	52	NE	2	o	1014·6	–3	44	–2	N	2	–	or	*	1	52	40	o	o	o.or	0·0
	London (Kew Obsy.)	1019·9	52	NE	3	bc	1014·9	–3	45	–2	N	3	E	om	*	2	52	43	o	o.bc	c.or.om	0·1
NORTHERN EUROPE.	Spitsbergen ...	1011·1	19	N	2	c	1012·0	+1	16	+7	–	0	*	c	*	*	23	9				
	Vardö	1001·9	32	W	4	s	1006·7	+4	32	–2	NE	4	–	o	2	*	34	27				
	Bodö	1010·6	34	W	6	c	1021·3	+3	34	–3	NW	5	–	c	2	?	37	28				
	Christiansund ...	1025·9	41	NW	2	c	1027·0	o	43	+2	N	1	–	c	3	2	43	36				
	Skudesnaes ..	1022·9	46	NNW	5	b	1022·4	o	48	+2	NNE	3	–	b	1	–	52	43				
	Færder (X'tania Fjord)	1021·3	48	SW	2	b	1024·6	+2	45	–1	NE	4	–	b	1	–	50	39				
	The Scaw (Skagen)	1020·3	48	NW	1	b	1022·2	+1	48	+3	NE	2	–	b	2	–	52	39				
	Blaavands Huk	1019·6	53	ENE	3	b	1020·7	o	54	+6	ESE	2	–	b	x	–	66	37				
	Copenhagen ...	1019·9	52	SW	2	b	1021·2	+1	48	o	SE	2	–	b	x	–	61	43				
	Bornholm ...	1018·7	46	ESE	4	b	1021·0	+1	41	–4	E	3	–	b	o	–	46	36				
FRANCE, &c.	The Helder ...	1018·9	46	N	4	c	1015·9	–1	52	+7	ENE	6	E	c	3	–	52	45				
	C. Gris Nez ...	1019·5	43	NE	5	r	1013·0	–3	45	o	N	5	*	r	4	11	50	43				
	La Hève	1018·6	52	NE	4	m	1015·0	*	45	–1	NE	3	*	o	2	–	56	43				
	Brest (St. Mathieu)	1017·6	56	E	3	o	1012·6	o	50	–7	E	3	*	m	2	–	59	48				
	Rochefort (Ile d'Aix)	1015·5	59	NW	4	c	1010·7	–1	57	o	SE	2	*	bc	*	–	68	52				
	Biarritz	1016·2	64	N	2	b	1008·6	–4	54	–6	E	3	*	c	1	–	68	?50				
	Paris	1015·8	54	N	2	o	1013·1	–1	48	–4	N	1	–	o	*	1	55	46				
	Belfort	1012·4	51	W	4	r	1014·0	*	52	–3	W	4	*	o	*	2	68	50				
	Lyons	1013·4	54	NNW	3	o	1012·3	*	55	–4	–	0	*	o	*	4	69	50				
	Nice	1010·3	61	E	4	c	1010·6	o	63	–3	–	o	*	b	o	–	70	54				
	Perpignan ...	1013·2	66	WNW	3	c	1011·4	–1	60	–1	W	1	*	o	*	–	72	50				
	Sanguinaire ...	1010·8	73	NW	3	o	1009·2	*	63	–	E	3	*	f	4	–	77	59				
SOUTHERN STATIONS.	Corunna	1017·6	57	N	4	o	1007·0	–3	55	–2	SSW	1	–	r	1	Trace	61	52				
	Madrid	1011·5	72	W	1	bc	1008·6	–2	61	+4	–	0	–	o	*	?	73	57				
	Lisbon	1014·2	64	NW	5	c	1010·4	–1	57	–4	NNW	2	–	c	5	Trace	72	57				
	Azores (Horta) ..	1014·3	*	WSW	6	f	1012·2	o	61	o	WSW	5	*	f	3	4	63	61				
	Madeira	1019·9	64	NE	3	o	1017·4	o	63	+4	N	2	–	o	2	–	66	59				
	Gibraltar	1014·2	64	W	1	m	1011·8	*	61	–2	E	2	*	m	1	–	74	55				
	Malta	*	*	*	*	*	1010·4	+1	63	–3	SSW	1	–	o	1	3	70	59				
	Limassol	*	*	*	*	*	1011·2	+1	66	o	W	3	N	bc	3	2	73	54				
	Alexandria ...	1012·6	66	N	3	b	1014·2	o	68	+2	–	o	–	b	o	–	77	61				
	Cairo (Helwan) ...	1010·3	79	–	o	b	1013·4	+1	72	+2	N	1	–	b	*	–	86	61				

LONDON OBSERVATIONS.

	Humidity. 15 h. 16th	Humidity. 9 h. 17th	Sunshine for 16th	24 hours ended 9 h. 17th: Temperature. Max.	Temperature. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Morning	Weather. Afternoon	Weather. Night.
	%	%	Hours.	°F.	°F.	°F.	mm			
GREENWICH (Royal Observatory)	69	95	1·4	57	42	37	5	o	c	b.o.or
CITY (Bunhill Row)	*	*	1·3	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	64	95	1·4	58	44	43	4	bc	bc	or
CAMDEN SQ. (British Rainfall) ..	57	95	1·8	57	45	41	4	o	o.c	*
HAMPSTEAD (Reservoir)	*	96	2·3	52	40	32	4	o.bc	bc	orm
S. KENSINGTON (Museum Grounds)	*	93	0·5	55	44	41	4	o	o	o.or

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during 16th

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
708.	12·6.	50.

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

RAINFALL.

Equivalents of Millimetres in Inches.

mm.	Inches.	mm.	Inches.
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·10
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69
19	0·75	44	1·73
20	0·79	45	1·77
21	0·83	46	1·81
22	0·87	47	1·85
23	0·91	48	1·89
24	0·95	49	1·93
25	0·98	50	1·97

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

Issue No. 20266 DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. Friday 18th MAY

YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON Thursday 17th MAY 1917.

Rain fell in nearly all parts of England, very good measurements neing recorded in the SE.; 17m. at Richmond (Kew Observatory), 18m. at Benson, and 20m. at Clacton. Much sunshine was again recorded in Scotland, but elsewhere there was little. Temperature continued low, below 55° in most parts of the Kingdom.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR Thursday 17th MAY UP TO 17 H.

	STATIONS.	Sunshine for 16th	Rainfall. Night. 17h-9h.	Rainfall. Day. 9h-17h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 17 h. 17th
			Mm.	Mm.	°F.	°F.			Hr.
Scotland.	Oban	13.1	—	—	65	39	b	b	12.0
	Banff	13.7	—	—	54	34	b	b	9.9
	Montrose	12.0	—	—	49	32	b	o	6.5
	St. Andrews								
	Carnoustie	*	*	*	49	?	bc.o.c	c.bc.o	6.2
Eng. N.E.	Harrogate	0.3	—	—	56	38	c.bc	bc.o	5.0
	Skegness	0.0	—	—	52	43	o.	or	1.2
Eng. N.W.	Morecambe		—	—	54	41			3.7
	Southport	6.2	—	1	61	38	c.o.c.bc	c.or	2.1
Midlands.	Leamington Spa								
	Malvern								
	Ross-on-Wye	0.4	Trace	14	50	41	cr	cr	0.0
Wales.	Rhyl	5.7	—	1	60	40	bc.c	c.bcd	1.3
	Colwyn Bay	*	*	*	57	39	c	bc.op	1.0
	Llandudno	*	*	*	57	39	o	o	1.1
	Aberystwyth	*	*	*	53	42	o.c.b	b.c.o	1.0
England, E.	Lowestoft	0.0	—	2	48	43	or	or	0.0
	Felixstowe	1.3	Trace	18	48	43	omr	or.f	0.0
	Walton-on-Naze	0.4	2	12	49	43	od.o.cr	or.bc.c	0.0
	Southend-on-Sea	3.6	14	4	52	47	or	o	0.0
England, S.E.	Margate	0.0	3	6	51	44	or	or.c.bc	0.7
	Hastings	0.7	4	4	51	42	c.or.	or. o	0.0
	Eastbourne	0.9	4	5	52	42	o.cr.o	o.bc.o	0.9
	Seaford	1.8	*	*	52	42	r	o	0.0
	Brighton		5	3	55	42	or	o	0.0
	Worthing	0.3	3	3	53	43	r	o.c	0.4
	Littlehampton								
	Bognor								
	Bournemouth	0.0	1	—	53	41	o	o'	0.6
England, S.W.	Weymouth	*	*	*	55	42	o.bc	bc.c.o	0.4
	Torquay		—	—	52	44	o.c	c.bc.b	4.3
	Paignton								
	Penzance	0.0	—	—	55	48	o	bc.b	4.5
	Newquay	0.0	—	—	54	46	c	c	3.1
	Bude	1.4	—	—	56	43	bc	bc	6.0
	Ilfracombe	3.2	—	—	49	40	bc.o	r.c	1.6
	Weston-s-Mare		—	2	49	43	cr	or	0.0

REPORTS FROM FOREIGN STATIONS FOR Thursday, 17th MAY.

	STATIONS.	Evening of 16th: Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	Morning of 17th: Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours. ‡	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	Rainfall. Millimetres.	Temp. Max. °F	Temp. Min. °F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel	996.4	39	NW	4	r	996.3	+3	34		W	6	0	5	*	34
	Gorki	1011.9	50	WSW	2	0	1014.6	?	46	-6	NNW	2	0	—	*	45
	Velieki Luki						1015.3	*	46	-8	SSW	2	bc	3	*	37
	Hangö						1017.9	+3	39	0	NNW	4	b	—	*	38
	Riga	1017.5	41	NNW	1	b	1019.7	+2	45	-3	—	0	bc	4	*	37
	Petrograd	1009.0	41	NW	3	bc	1020.7	0	43	-5	W	4	b	10	52	41
	Moscow	1012.0	61	S	2	c	1010.3	+2	50	-4	NW	3	0	—	*	50
	Kiev	1015.0	59	—	0	b	1012.8	0	55	+1	NNE	1	b	—	*	41
	Kharkov	1016.7	59	E	2	0	1013.7	0	57		NE	1	0	—	*	52
	Kishinev	1011.8	58	SW	1	b	1011.1	0	52	0	NW	2	c	—	*	46
	Elisabetgrad	1014.1	59	ENE	2	0	1013.0	0	55	+1	WNW	2	b		*	48
	Nicolaiev	1012.8	59	—	0	0	1011.1	*	57	+5	SW	2	0	—	*	46
	Odessa	1013.3	57	E	1	0	1011.4	+1	56	+5	E	2	0	1	*	50
	Tarkhankout	1013.6	54	NE	3	0	1011.5	*	55		NW	2	0	—	*	52
	Soukhoum														*	
Mediterranean.	Venice						1010.2	*	66	-6	—	0	0	—	75	64
	Pesaro	1011.1	63	—	0	b	1011.0	*	64	0	—	0	c	4	73	61
	Rome	1012.1	64	E	1	bc	1011.1	*	64	-4	N	1	b	8	77	59
	Viesti	1013.1	64	—	0	b	1010.9	*	66	0	—	0	b	—	74	61
	Brindisi	1011.1	61	SE	1	b	1011.8	*	57	+1	SW	2	b	—	70	56
	Cagliari	1009.9	72	NW	6	bc	1009.8	*	64	-2	NW	4	b	—	75	54
	Palermo						1010.3	*	59	0	—	0	r	1	73	59
	Tripoli	1010.6	66	E	2	b	1010.5	*	68	0	E	2	c	—	73	63
	Algiers	1013.1	64	NE	3	c	1011.8	0	64	+1	—	0	m	?	70	59
Sweden.	Hernösand	1015.0	46	NW	4	b	1020.4	*	41	0	SW	6	b	*	*	*
	Stockholm	1017.9	50	SW	2	bc	1022.7	*	43	+2	N	2	b	*	*	*
	Wisby	1017.9	43	NNW	2	b	1020.2	*	45	+4	E	4	b	*	*	*

‡ The barometric change is expressed in half-millibars.

Iceland.	Morning of 17th: Barom. Millibars at M.S.L.	Temp. Dry Bulb. °F	Temp. Change in 24 hours. °F	Wind. Direc.	Wind. Force 0–12.	Weather
Isafjord	1019.3	45	+6	—	0	0
Reykjavik	1015.0	43	-2	E	5	c
Vestmanna						
Seydisfjord	1019.7	41	+9	—	0	0
Thorshavn	1024.3	56	+8	SE	2	bc

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

18th & 19th MAY 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.55 / 3.53	11.49 / 11.49	7.42 / 7.44
Greenwich	4.6 / 4.5	11.58 / 11.56	7.46 / 7.47
Wick	3.42 / 3.40	12.8 / 12.8	8.35 / 8.37
Valencia	4.45 / 4.44	12.37 / 12.37	8.28 / 8.29

Note.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; z. hoar-frost; z. dust-haze, or smoke.

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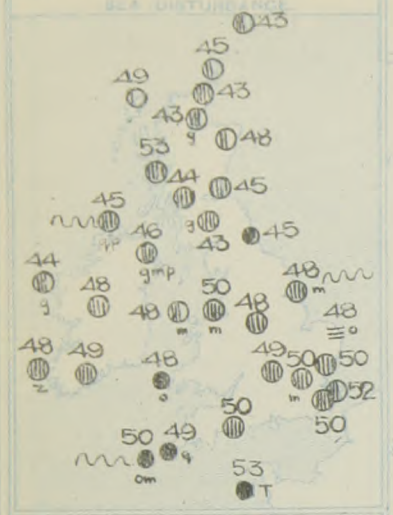
THE MORNING OF FRIDAY, 18TH MAY, 1917.

TEMPERATURE, WEATHER AND SEA DISTURBANCE



FORECAST DISTRICTS.

GENERAL INFERENCE.

The depression over the Bay of Biscay will probably move N. or NE., and cause further rains over the United Kingdom, with some increase in the wind force.

EXPLANATION.

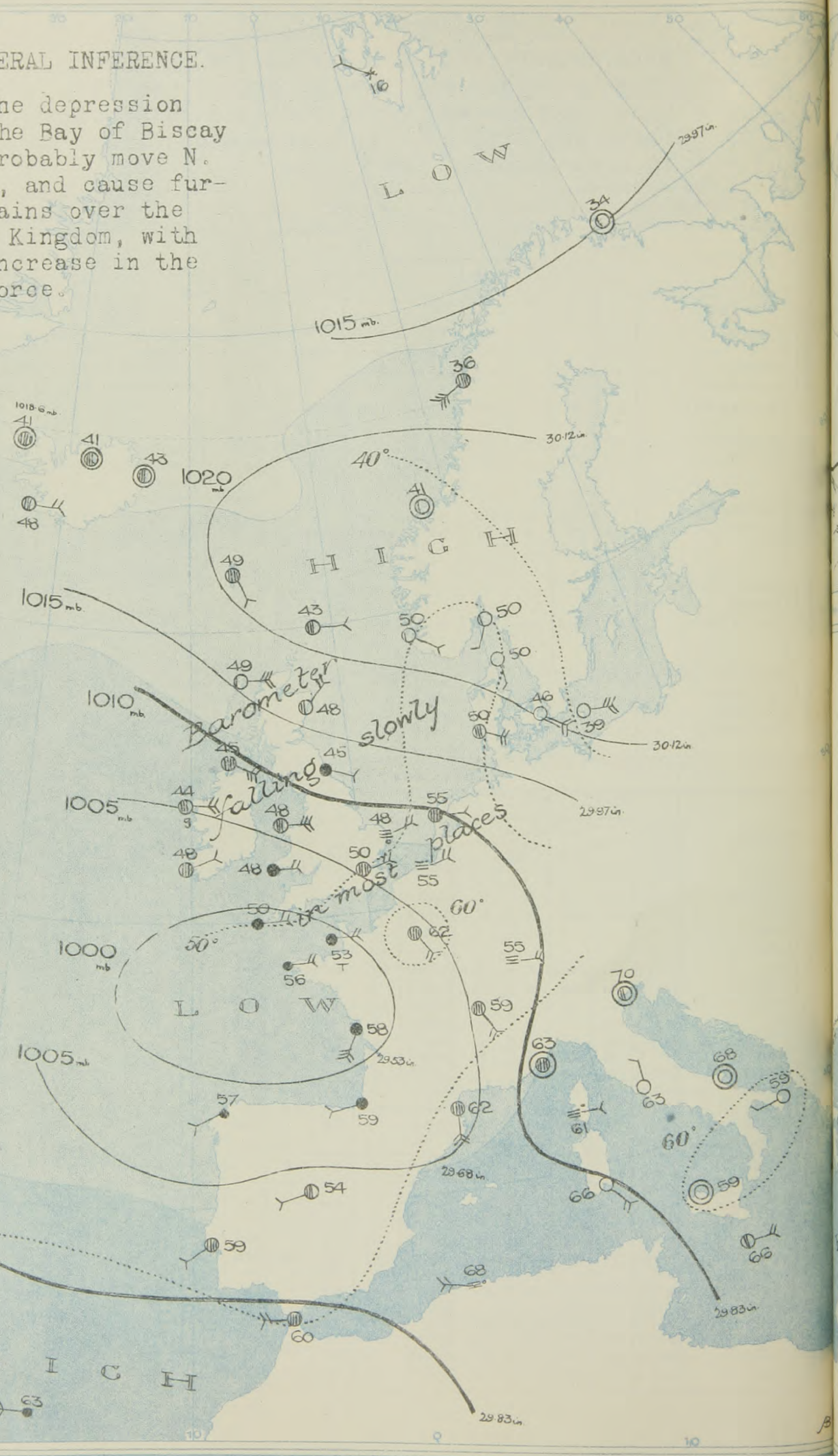
BAROMETER.—Isobars are drawn for intervals of five millibars.

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

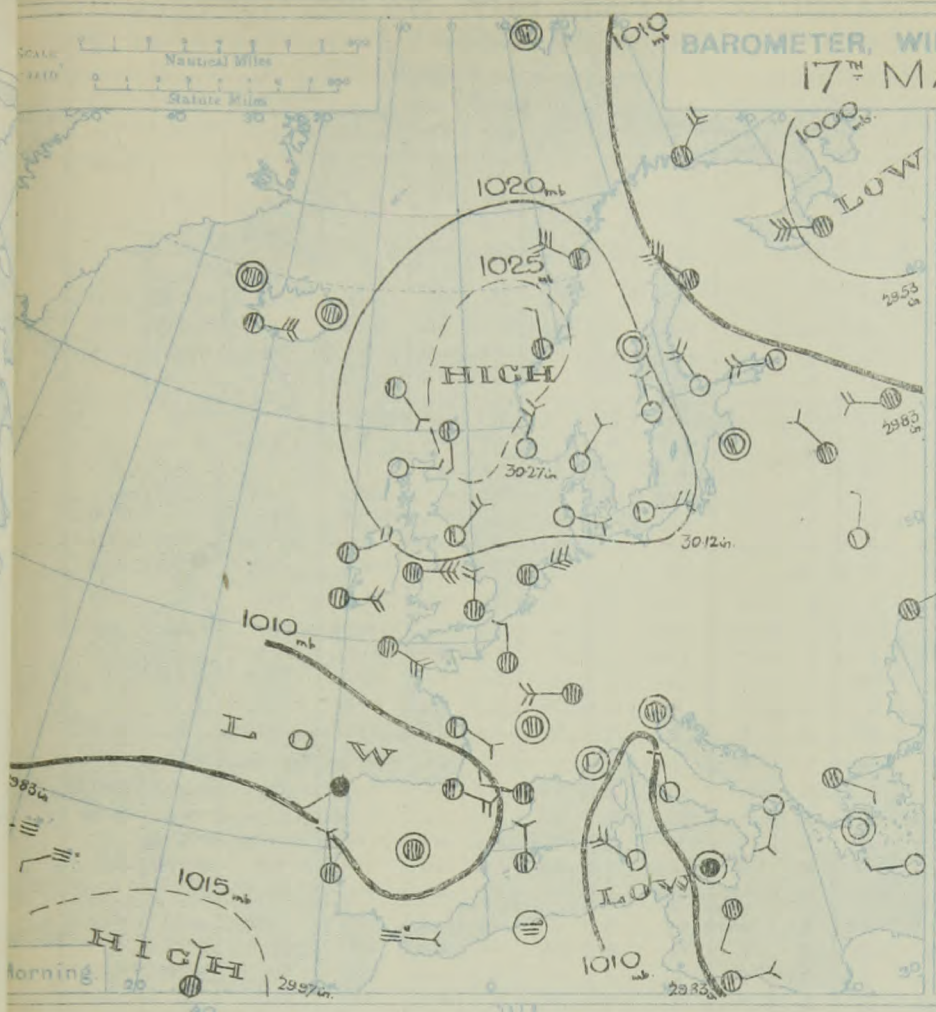
TEMPERATURE.—Given in degrees Fahrenheit.
Isotherms shown by dotted lines.

WEATHER.—Shown by the following symbols:—
◯ clear sky. ◐ sky ¼ clouded. ◑ sky ½ clouded.
◕ sky ¾ clouded. ● overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ϒ thunder.
ϒs, thunderstorm.

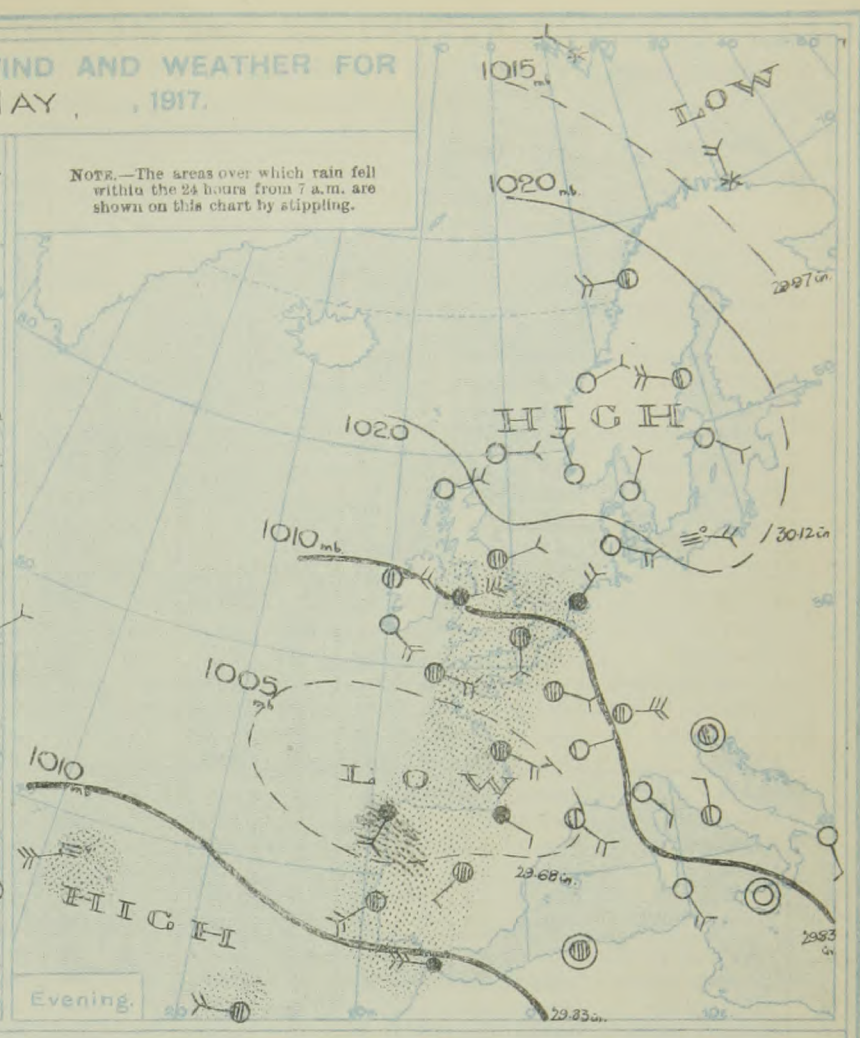
SEA DISTURBANCE.—Rough ~~~ High ≈≈≈



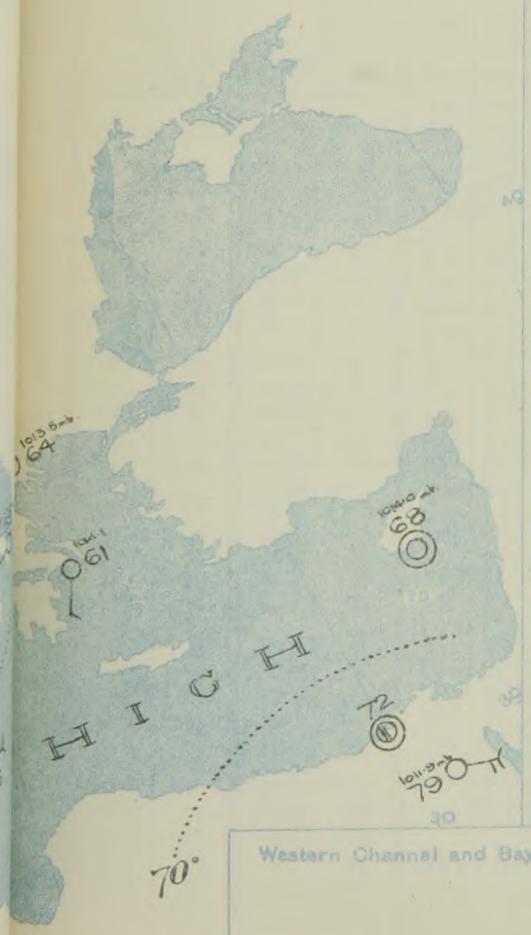
BAROMETER, WIND AND WEATHER FOR 17th MAY, 1917.



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



FORECASTS FOR NOON FRIDAY TO NOON SATURDAY



Western Channel and Bay.

0 (a, b), 1 — E. winds, moderate to fresh; fair, then dull, with some rain. Becoming less cold.

2 (a, b), 3, 4 (a, b, c), 5 — Wind mainly E. moderate to fresh, strong locally; dull, rain at times. Temperature rising somewhat.

6 (a, b) — Same as Nos. 0. and 1.

7 (a, b), 8 (a, b), 9 (a, b), 10 (a, b) — NE. or E. winds, moderate or fresh; dull, some rain; very cool.

11 — E. and NE. winds, moderate or fresh; sea moderate or rather rough; dull, some rain.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 138. Friday, 18th MAY.

	STATIONS	EVENING OF 17th					MORNING OF 18th								24 HOURS ENDED 7 A.M.						Sunshine for 17th
		Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12.	Weather.	Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Hours.
			°F.					±	°F.	°F.							°F.	°F.				
BRITISH ISLANDS.	Lerwick ...	1024·2	45	E	2	bc	1021·7	0	48	-6	E	2	E	c	2	–	50	42	bc.o	bc	o.c	*
	Deerness (Orkney)	1022·3	45	E	5	c	1018·9	*	45	0	ENE	4	–	b	3	–	48	41	b	b.bc.c	c.bc	12.5
	Stornoway ...	1018·1	55	ENE	3	b	1015·9	-2	47	-1	E	5	–	b	4	–	54	40	b	b	b	14.3
	Castlebay (Barra Isd.)																					
	Glasgow ...	1017·8	46	E	4	bc	1011·9	-1	44	+3	E	4	–	o	*	0·4	53	40	c.o.bc.b	b.bc.b	bc.c.q	10.1
	Eskdalemuir ...	1016·6	43	NE	6	c	1010·6	0	43	+2	NE	5	–	og	*	1	55	40	bc.b	bv.c	c.o.og	11.0
	Malin Head ...	1014·0	50	SE	4	bc	1007·7	-1	45	+5	ESE	5	–	oqp	5	2	52	40	bc	bc	oqp	11.2
	Blacksod Point	1009·9	55	E	4	bcm	1005·0	-2	44	-2	E	4	E	cg	4	–	58	43	bcm	bcm	bcm.em	*
	Valencia (Cahirciveen)	1007·4	56	SE	4	b	1002·5	0	48	-3	ENE	2	–	oz	2	–	57	48	o.cz	bc.bz	bc.c.oz	8.0
	Roche's Point	1009·3	51	E	4	oz	1002·1	*	49	0	E	3	–	o	3	0·3	52	47	o.bcz	bc.oz	op.om	*
	Birr Castle ...	1010·5	51	E	1	m	1004·3	*	48	+2	SE	1	–	o	*	–	58	45	z	z	o	5.1
	Donaghadee ...	1013·5	52	ESE	3	bcz	1007·7	0	46	+4	E	5	–	gmp	4	3	56	41	bcm	bcz	cm.cmr	*
	Liverpool (Bidston)	1012·0	46	NE	4	r	1006·7	0	50	+7	E	2	–	om	2	6	59	43	o.bc	or	orm	1.6
	Holyhead ...	1010·9	49	ENE	5	orm	1005·4	0	48	+3	E	5	E	cm	4	4	54	44	c.bo.c	bc.c.or	or.bc.c	4.0
	Pembroke (St. Ann's)	1008·7	47	NNW	1	f	1003·4	-4	48	+5	E	3	–	or	3	2	52	43	o.c	cfd	o.c.op	4.8
	Scilly (St. Mary's)	1007·0	50	ESE	3	om	999·4	-3	50	0	E	3	E	omr	5	2	52	46	om	om	c.omr	0.1
	Falmouth ...	1006·6	50	ESE	3	b	999·7	-3	49	+2	ENE	5	–	rq	*	2	53	46	o.bc.b	b	bc.odr	7.9
	Jersey (St. Aubin)	1006·8	56	E	3	bc	999·3	*	53	+6	E	3	–	rt	3	3	59	46	o.c	c. bc	ogr	3.0
	Portland Bill ...	1007·9	48	E	2	bc	1001·5	-3	50	+6	NE	5	–	o	4	1	51	44	cp	bc.c	bc.c.o	*
	Dungeness ...	1008·9	49	WSW	3	bc	1004·4	-2	50	+5	E	5	–	o	4	14	54	45	or	o.c	b.o	*
	Dover	1009·7	47	S	3	c	1006·9	*	52	+7	NE	4	E	c	2	6	52	45	opr	c	c	0.5
	Wick	1022·2	44	ESE	3	o	1018·4	-1	43	0	E	3	–	o	3	–	47	41	omg.bc	bc.omg	omg	*
	Nairn	1018·3	51	NE	4	b	1016·9	*	43	+1	E	2	–	cg	2	–	60	35	bq	bq	b.bcw	14.3
	Aberdeen ...	1021·3	44	ENE	3	o	1007·1	-1	48	+2	NE	3	–	bc	3	–	50	42	b.bc	c.o	o.c	7.0
	Leith	1018·9	44	E	3	o	1013·0	-1	45	+2	E	3	–	o	4	Trace	49	42	c.bc.c	c.bc.o	o.cp.o	*
	Tynemouth ...	1017·3	44	ENE	2	omg	1010·9	-1	45	0	ESE	2	–	omr	4	10	48	44	bcq	om	omr	*
	Spurn Head ...	1012·4	48	E	6	oqr	1009·4	0	48	+2	ESE	4	–	om	5	7	52	45	cq	cq.o	omq	0.0
	Yarmouth (Gorleston)	1009·5	48	ESE	4	omr	1008·0	-3	48	0	ENE	3	SW	of	3	6	46	46	om	omr	ofd	0.0
	Clacton-on-Sea	1009·3	50	ESE	3	c	1007·4	0	50	+4	ENE	3	E	o	2	20	50	46	or	or.c	c.o.c.o	0.1
	Nottingham ...	1010·7	46	NE	4	r	1008·0	*	48	+4	E	3	E	o	*	7	59	44	o.c	oz	ord	1.5
	Benson (Oxon.) ...	1008·0	50	N	1	o	1005·2	0	49	+6	E	3	–	o	*	18	51	43	or	or	o	*
	Sth Farnborough	1007·5	50	SE	2	o	1005·0	-1	48	+4	NE	2	–	om	*	8	50	42	or	or.om	om	0.0
	London (Kew Obsy.)	1008·2	51	S	2	om	1005·9	-2	50	+5	ENE	3	–	om	*	17	51	44	om.omr.om	omr.om	om.omr.om	0.0
NORTHERN EUROPE.	Spitsbergen ...	1013·1	14	NW	2	s	1014·4	+2	16	0	NW	2	*	S	*	*	21	7				
	Vardö	1014·7	27	N	3	s	1015·6	0	34	+2	–	0	–	b	1	*	?	?				
	Bodö	1021·6	36	W	4	c	1016·0	-3	36	+2	SW	6	–	o	4	?	54	30				
	Christiansund ...	1024·6	43	ENE	2	b	1022·7	-1	41	-2	–	0	NW	b	3	–	45	36				
	Skudesnaes ..	1021·4	50	NNW	2	b	1020·2	-1	50	+2	ESE	2	–	b	1	–	54	36				
	Færder (X'ianiaFjord)	1021·5	50	W	1	b	1021·2	0	50	+5	SSW	1	W	b	1	–	52	45				
	The Scaw (Skagen)	1021·6	48	NNE	2	b	1021·6	0	50	+2	S	1	–	b	1	–	54	37				
	Blaavands Huk	1018·7	61	SE	3	b	1017·5	-2	50	-4	ESE	4	–	c	*	–	64	39				
	Copenhagen ...	1021·4	54	SSE	2	bc	1021·8	0	46	-2	SE	4	–	b	*	–	57	46				
	Bornholm ...	1022·2	41	ESE	3	m	1021·5	-1	39	-2	ESE	5	–	b	1	–	45	36				
FRANCE, &c.	The Helder ...	1011·9	54	NE	3	r	1009·9	0	55	+3	E	2	–	o	1	5	57	54				
	C. Gris Nez ...	1009·6	46	SSW	1	o	1005·1	-4	52	+7	ENE	4	*	o	2	2	52	46				
	La Hêve	?	55	NE	3	o	1003·9	*	51	+6	ESE	4	*	r	2	2	59	46				
	Brest (St. Mathieu)	1004·3	63	E	3	o	996·6	-3	56	+6	E	3	*	r	2	6	70	54				
	Rochefort (Ile d'Aix)	1002·8	65	ESE	3	o	998·8	-1	58	+1	SSW	5	*	r	*	9	75	55				
	Biarritz	1001·9	60	ESE	1	r	1002·2	+4	59	+5	WSW	2	*	r	1	3	64	57				
	Paris	1008·6	59	E	2	c	1003·6	0	62	+14	SSE	3	–	o	*	–	61	46				
	Belfort	1010·4	61	E	5	c	1009·1	*	55	+3	E	3	*	f	*	–	69	51				
	Lyons	1006·8	66	ENE	1	b	1006·0	*	59	+4	SSE	3	*	o	*	–	70	54				
	Nice	1010·3	62	SE	1	b	1011·2	+1	63	0	–	0	*	o	1	–	73	55				
	Perpignan ...	1004·0	68	SSE	3	bc	1004·0	+1	62	+2	S	4	S	o	*	–	77	59				
	Sanguinaire ...	1010·0	66	W	2	bc	1010·4	*	61	-2	E	2	*	m	3	–	72	55				
SOUTHERN STATIONS.	Corunna	1001·4	57	SSW	4	r	1002·0	+2	57	+2	SW	2	–	r	2	17	59	54				
	Madrid	1006·2	57	SW	1	o	1007·5	+3	54	-7	WSW	2	–	c	*	4	63	50				
	Lisbon	1007·0	59	SW	4	c	1007·9	-1	59	+2	SW	2	–	o	6	8	59	57				
	Azores (Horta) ...	1012·2	*	WSW	5	m	1012·6	+2	57	-4	NNE	2	*	c	1	1	64	55				
	Madeira	1014·7	66	W	3	c	1012·2	-2	63	0	W	4	SW	r	3	3	68	63				
	Gibraltar	1010·8	63	W	5	r	1010·8	*	60	-1	W	3	*	o	3	5	70	57				
	Malta	*	*	*	*	*	1010·6	+2	66	+3	E	3	–	bc	1	–	70	61				
	Limassol	*	*	*	*	*	1014·0	+3	68	+2	–	0	–	b	0	–	73	54				
	Alexandria ...	1013·8	66	NE	2	b	1013·6	+2	72	+4	–	0	N	bc	0	–	77	61				
	Cairo (Helwan) ...	1012·4	73	NE	4	b	1011·9	+1	79	+7	ESE	3	–	b	*	–	88	66				

RAINFALL.

Equivalents of Millimetres in Inches.

mm.	Inches.	mm.	Inches.
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·10
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69
19	0·75	44	1·73
20	0·79	45	1·77
21	0·83	46	1·81
22	0·87	47	1·85
23	0·91	48	1·89
24	0·95	49	1·93
25	0·98	50	1·97

LONDON OBSERVATIONS.

	Humidity. 15 h. 17th	Humidity. 9 h. 18th	Sunshine for 17th	24 Hours ended 9 h. 18th. Temperature. Max.	Min.	Min. on Grass.	Rainfall.	Weather. Morning.	Afternoon.	Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	98	87	0.0	54	43	35	13	o.c	o	f or
CITY (Bunhill Row)	*	*	0.0	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	93	87	0.0	55	46	42	13	or	od	od.b
CAMDEN SQ. (British Rainfall) ..	97	81	0.0	56	44	40	15	orf	om	om
HAMPSTEAD (Reservoir)	*	91	0.0	51	42	34	15	orf	om	om
S. KENSINGTON (Museum Grounds)	*	83	0.0	55	46	42	13	or	od.o.c	c.bc.o

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during 17h.

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
133.	2.4.	9.

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

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

Issue No. 20267 **DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917.** Saturday 19th May

YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON Friday 18th MAY 1917.

Rain again fell in most districts, but the amount was slight or moderate. A thunderstorm occurred during the night at Spurn Head. Temperature remained below 60° over a large portion of the Kingdom, and below 50° at a few northern stations. Very little bright sunshine was recorded in England and Ireland, but in some Scottish localities the weather was much brighter.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR Friday 18th MAY UP TO 17 H.

	STATIONS.	Sunshine for 17h	Rainfall. Night. 17h-9h.	Rainfall. Day. 9h-17h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 17 h. 18th
			Mm.	Mm.	°F.	°F.			Hr.
Scotland.	Oban	13·7	—	—	59	47	0	0	0·1
	Banff	10·8	—	—	59	39	b	bc.c	8·2
	Montrose	6·5	—	—	51	38	b	0	3·1
	St. Andrews		—	—	48	42	c	0	5·0
	Carnoustie	*	*	*	51	43	c.o	c.ogp	0·9
Eng. N.E.	Harrogate	5·0	17	—	50	42	om	om	0·10
	Skegness	1·2	6	—	52	47	o	om	0·0
Eng. N.W.	Morecambe	3·7	1	—	61	47			1·7
	Southport	2·1	3	—	60	44	o.c.o	o.c.o	0·2
Midlands.	Leamington Spa								
	Malvern								
	Ross-on-Wye	0·0	1	1	60	41	c.or	cm.or	0·0
Wales.	Rhyl	1·3	6	—	58	39	or	o	0·0
	Colwyn Bay	*	*	*	56	45	c	c.o	0·0
	Llandudno	*	*	*	56	45	o	o	0·0
	Aberystwyth	*	*	*	58	46	o.c	c.o	0·0
England. E.	Lowestoft	0·0	4	—	53	46	of	of	0·1
	Felixstowe	0·0	—	—	54	45	of	of.cm	0·0
	Walton-on-Naze	0·0	—	—	55	46	om.bc.c	bc.bc.c	0·1
	Southend-on-Sea	0·0	—	—	61	45	oz	o.c.bc	0·4
England, S.E.	Margate	0·7	—	Trace	65	46	of.c	cp	0·2
	Hastings	0·0	—	—	64	44	bc.o	o.bc	1·9
	Eastbourne	0·9	—	Trace	57	45	o.c	c.o.bc	1·4
	Seaford	0·2	*	*	68	43	o.c	c	1·2
	Brighton	0·0	—	—	59	45	c	c	1·3
	Worthing	0·4	—	—	61	44	c	c	0·9
	Littlehampton								
	Bognor								
	Bournemouth	0·6	Trace	—	61	43	o	o	0·0
England, S.W.	Weymouth	*	*	*	58	46	or	ome	0·1
	Torquay	6·0	2	5	51	47	or	or	0·0
	Paignton	*	*	*	51	47	o	or	0·0
	Penzance								
	Newquay	4·0	1	2	56	43	dr	r	0·0
	Bude								
	Ilfracombe	1·6	—	—	54	40	oz	oz	0·0
	Weston-s-Mare	0·0	—	Trace	62	43	od	c.o	0·0

REPORTS FROM FOREIGN STATIONS FOR Friday 18th MAY

	STATIONS.	Evening of 17th: Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	Morning of 18th: Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	Rainfall. Millimetres.	Temp. Max. °F	Temp. Min. °F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel	998·4	34	NW	4	S	1007·3	+8	25	−9	NW	5	o	—	*	25
	Gorki	1014·3	50	N	3	c	1018·1	?	41	−5	NNE	2	b	—	*	39
	Velieki Luki	1016·3	43	—	o	c	1020·4	*	41	−5	WNW	2	b	—	*	32
	Hangö	1021·2	39	NNW	3	bc	1023·0	+2	39	o	NNW	2	o	—	*	32
	Riga	1021·3	39	N	2	b	1023·4	+2	45	o	—	o	o	—	*	36
	Petrograd	1016·0	41	NW	2	bc	1019·0	+2	39	−4	NW	2	o	—	43	34
	Moscow	1011·7	48	NW	2	b	1014·9	+1	41	−9	N	3	c	—	*	39
	Kiev	1010·7	61	NNW	3	o	1014·1	+5	52	−3	NNE	3	b	—	*	60
	Kharkov	1009·9	61	—	o	o	1007·8	o	59	+2	—	o	o	—	*	52
	Kishinev	1009·3	63	SE	2	c	1010·3	+2	54	+2	NW	2	c	—	*	60
	Elisabetgrad	1009·7	59	—	o	b	1010·3	+2	59	+4	NNW	3	o	—	*	62
	Nicolaiev	1010·1	61	SE	4	bc	1010·3	*	55	−2	—	o	o	—	*	52
	Odessa	1010·6	57	WSW	3	b	1010·9	+2	57	+2	WSW	1	o	—	*	54
	Tarkhankout						1011·4	*	54	−1	SW	2	o	—	*	52
	Soukhoum														*	
Mediterranean.	Venice	1011·0	68	—	o	bc	1012·6	*	70	+4	—	o	bc	Trace	73	64
	Pesaro	1011·8	66	—	o	b	1012·9	*	61	−3	—	o	b	—	72	52
	Rome	1011·4	63	N	1	bc	1013·3	*	63	−1	N	1	b	1	75	54
	Viesti	1012·2	64	—	o	b	1014·2	*	68	+2	—	o	b	—	73	54
	Brindisi	1013·4	63	S	1	b	1013·5	*	59	+2	W	1	b	—	73	57
	Cagliari	1009·9	73	SSE	3	c	1009·9	*	66	+2	SE	3	b	—	75	58
	Palermo	1009·5	63	—	o	o	1011·1	*	59	o	—	o	b	—	75	54
	Tripoli						1010·2	*	68	o	N	1	b	—	82	64
	Algiers	1008·7	66	—	o	o	1009·0	+3	68	+4	WNW	H	m	—	70	64
Sweden.	Hernösand	1021·4	48	NW	4	bc	1022·6	*	43	+2	NW	2	b	*	*	*
	Stockholm	1023·1	45	SSE	2	b	1022·4	*	46	+3	WSW	2	b	*	*	*
	Wisby	1021·5	45	NE	2	b	1021·9	*	43	−2	WNW	2	b	*	*	*

Iceland.	Barom. Millibars at M.S.L.	Temp. Dry Bulb. °F	Temp. Change in 24 hours. °F	Wind. Direc.	Wind. Force 0–12.	Weather
Isafjord	1018·6	41	−4	—	o	o
Reykjavik	1017·7	48	+5	E	3	c
Vestmanna						
Seydisfjord	1019·0	43	+2	—	o	c
Thorshavn	1021·6	49	−7	SSE	2	o

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

19th to 20th MAY 1917.

	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3·53	11·49	7·44
	3·51	11·49	7·46
Greenwich	4·5	11·56	7·47
	4·4	11·56	7·48
Wick	3·40	12·8	8·37
	3·38	12·8	8·39
Valencia	4·44	12·37	8·29
	4·43	12·37	8·30

Note.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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† The barometric change is suppressed in half millibars.

THE MORNING OF SATURDAY, 19TH MAY, 1917.

GENERAL INFERENCE.

The general distribution of pressure will undergo little change, but the gradient will decrease over our northern districts.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.

FORECAST DISTRICTS.

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 ¼ clouded. ◑ sky ½ clouded. ◕ sky ¾ clouded. ● overcast sky. ☂ rain falling. ✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤ thunder. ⚡, thunderstorm.

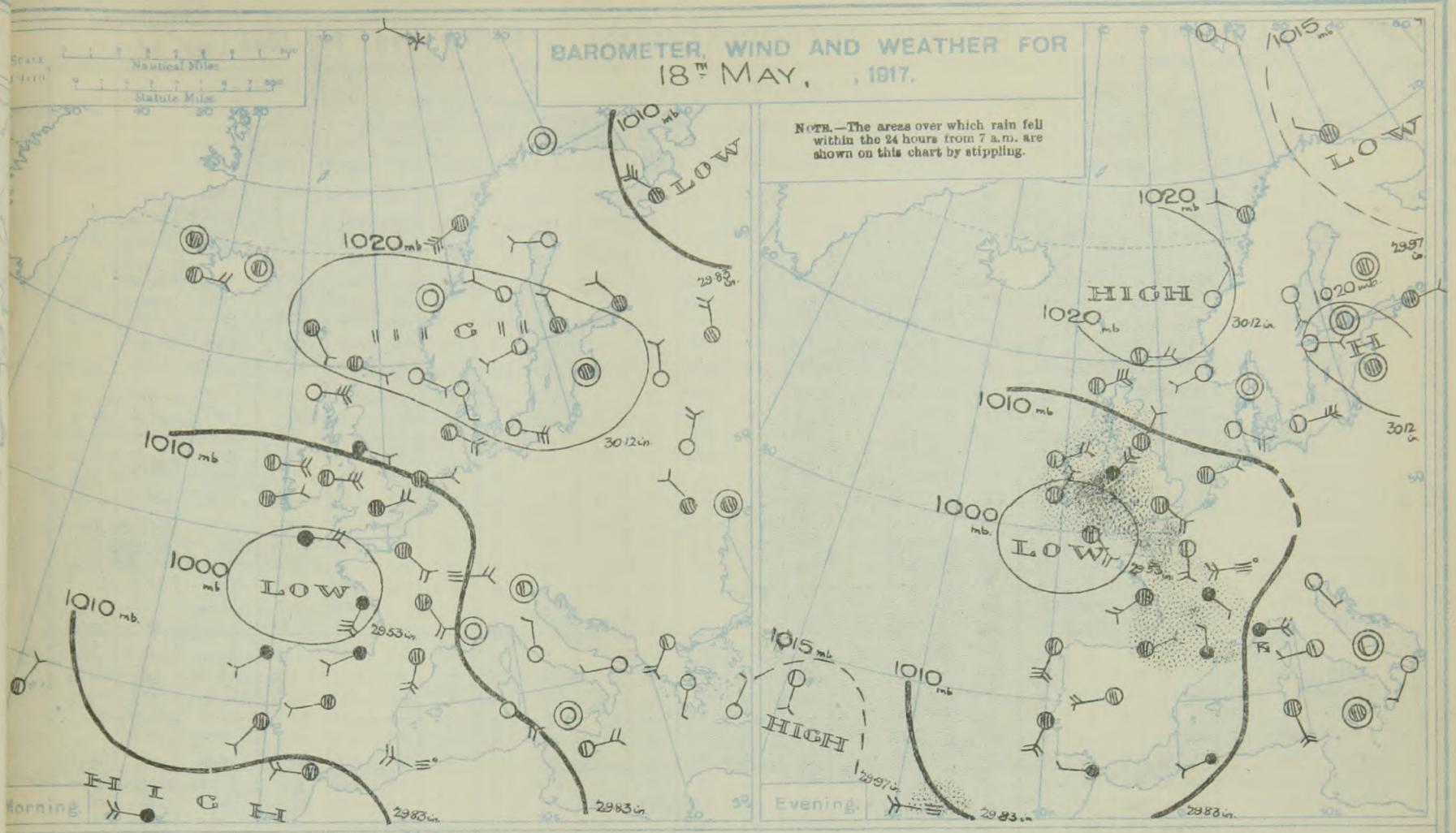
SEA DISTURBANCE.—Rough ~~ High ~~.

Scale 1:2·10⁷
Nautical Miles 0 100 200
Statute Miles 0 100 200

Normal Temperature of the Sea

Below 40° | 40°-50° | 50°-60° | Above 60°

Scale of Tints for MAY.



FORECASTS NOON SATURDAY TO NOON SUNDAY.

0 } Wind East and North-East, light or moderate; fair generally; cool.

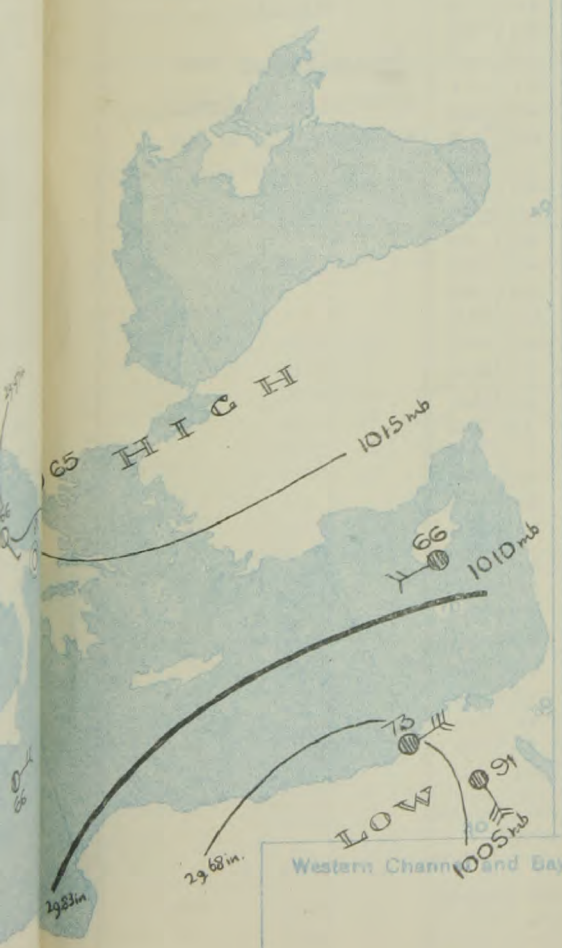
1

2 } Wind between South-east and East, light;
3 } variable sky, some showers; moderate temperature.
4 }
5

6 } Same as Nos 0 and 1.

7 } Wind between East and South-East, moderate or
8 } light; much cloud, some rain, mist locally; rather
9 } warmer.
10 }

11 } East and South-East winds, moderate or light; sea slight; cloudy, some showers.



FURTHER OUTLOOK.

20

R. G. K. LEMPFERT. Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 139. {Saturday 19th MAY

	STATIONS.	EVENING OF.....					MORNING OF.....									24 HOURS ENDED 7 A.M.						Sunshine for 18th.
		Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12.	Weather.	Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1020·3	45	E	5	bc	1019·5	0	45	+2	ENE	3	NE	bc	2	–	46	42	bc	bc	bc	*
	Deerness (Orkney)	1016·9	46	E	5	c	1016·2	*	46	+1	E	5	SW	bc	4	–	49	44	bc.b	b.bc.c	c.bc	12·1
	Stornoway ...	1012·7	54	ENE	5	cq	1012·0	0	51	+4	ENE	5	–	bcq	5	–	59	47	b bcq	bc.cq	o.bcq	7·7
	Castlebay (Barra Isd.)																					
	Glasgow ...	1009·7	44	ENE	5	cqq	1008·7	0	46	+2	ENE	4	–	r	*	4	47	43	op.o	omq	op.oqp	0·0
	Eskdalemuir ...	1008·9	44	NE	6	ome	1008·8	+1	44	+1	NNE	4	–	or	*	6	50	43	oq	om	ome.or	1·6
	Malin Head ...	1006·1	48	ENE	4	cm	1003·0	0	46	+1	E	6	–	omq	?5	0·2	50	46	cm	cm	omq	0·0
	Blacksod Point	1002·4	56	ENE	3	bcm	1001·3	0	56	+6	ESE	3	–	omq	3	3	59	43	cq	bcm	0m.omp	*
	Valencia (Cahirciveen)	999·2	54	NNE	3	o	998·9	+3	54	+6	ESE	4	–	o	3	2	57	48	o.cz	cd.op	r.o	1·3
	Roche's Point	?998·3	52	E	4	mr	1001·4	*	52	+3	ESE	3	–	o	3	6	55	49	omr	mr	r.o	*
	Birr Castle ...	1001·0	57	NE	1	m	1001·5	*	54	+6	SE	1	–	o	*	2	60	48	z	z	or.o	0·5
	Donaghadee ...	1005·9	48	E	3	om	1003·8	+1	49	+3	ESE	5	–	ogmq	4	1	52	46	om	om	ogmqp	*
	Liverpool (Bidston)	1002·5	55	ENE	4	o	1004·3	+1	53	+3	ENE	3	SE	od	3	7	58	50	om	ogr	or	0·0
	Holyhead ...	1002·2	52	NE	4	omr	1003·2	+3	52	+4	–	0	–	cm	0	6	56	47	c.bc.o	o.cpdm	or.ac.o	0·3
	Pembroke (St Ann's)	998·6	54	ENE	4	r	1003·9	+4	49	+1	S	5	S	b	2	5	55	48	o.cp.op	opr	of.c.bc	0·0
	Scilly (St. Mary's)	996·5	53	SSE	3	cm	1003·2	+3	53	+3	ESE	2	SE	cm	4	4	54	48	omr	omr	cp.cm	0·7
	Falmouth ...	997·1	52	ESE	2	cm	1003·5	+4	51	+2	SE	1	–	o	*	6	52	47	rq.dq	d.od.o.c	fe.bcp	0·0
	Jersey (St. Aubin)	999·3	56	SE	3	bc	1005·0	*	56	+3	E	1	–	bm	0	3	61	48	r.op.c.o	o.cr.c.o	o.bc.om	0·3
	Portland Bill ...	999·4	51	E	3	o	1005·0	+4	52	+2	–	0	SW	c	2	0·2	53	48	op	o	o.e	*
	Dungeness ...	1003·6	50	ESE	3	bc													op	o.bc		*
	Dover	1003·2	61	SSE	1	bc	1006·0	*	55	+3	S	2	–	r	2	–	63	52	c.o	o.c.bc	orm	0·9
	Wick	1015·5	46	?	4	bc	1015·7	0	47	+4	E	4	–	c	4	–	47	43	om.bcz	bczm	bcm.c	*
	Nairn	1012·2	50	E	4	ogq	1012·4	*	47	+4	ENE	3	–	c	2	–	55	42	c.bcq	bc.cq	cg	4·2
	Aberdeen ...	1014·8	45	ENE	3	o	1014·1	0	49	+1	NE	3	E	c	3	1	53	45	bc.b	bc.odr	o.c	7·7
	Leith	1011·3	45	E	3	r	1010·2	0	46	+1	NE	3	–	o	4	1	46	44	od.o	odmr	rm.od.c	
	Tynemouth ...	1009·7	45	NNE	2	omq	1008·2	0	45	0	NE	2	–	ogm	5	4	45	45	omr	omq	omp	*
	Spurn Head ...	1006·8	49	ESE	4	om	1006·5	·0	50	+2	SE	3	–	cm	4	2	51	47	o	om	or	2·1
	Yarmouth (Gorleston)	1006·2	52	SE	4	c	1006·0	+2	50	+2	S	1	–	bcm	3	–	53	46	f	f.cm	om.bcm	d.c
	Clacton-on-Sea	1003·8	55	E	3	c	1006·1	+2	53	+3	SE	1	SE	c	1	–	56	49	of	cf	c	0·4
	Nottingham ...	1003·3	56	NE	4	om	1005·1	*	53	+5	ENE	1	E	r	*	2	59	48	o	om	ome	0·0
	Benson (Oxon.) ...	1001·1	60	ESE	1	o	1004·3	+4	57	+8	SE	2	–	o	*	1	63	49	cp.o	bc	or.o	*
	Sth Farnborough	1000·5	63	SE	3	o	1004·8	+3	55	+7	S	2	–	om	*	6	64	48	om.dm.om	opm.o	or.om	0·5
	London (Kew Obsy.)	1001·8	62	SE	3	o	1005·7	+4	59	+9	S	1	–	om	*	1	65	51	om.omr.om	om.cm.o	o.or.com	0·6
NORTHERN EUROPE.	Spitsbergen ...	1018·7	12	SSE	1	b	1022·7	+2	16	0	–	0	*	o	*	*	18	-4				
	Vardö	1011·0	28	NW	1	o	1013·1	+2	23	-11	NE	5	–	c	3	*	30	23				
	Bodö	1019·1	36	NW	2	c	1018·4	0	34	-2	NW	1	–	o	1	?	37	32				
	Christiansund ...	1021·5	43	NE	1	b	1021·0	0	43	+2	–	0	–	b	3	–	45	37				
	Skudesnaes ..	1018·4	54	WSW	2	b	1017·6	0	52	+2	ENE	2	–	b	1	–	54	43				
	Færder (X'tania Fjord)	1018·7	52	S	2	b	1018·3	-1	?48	-2	–	0	–	b	0	–	52	45				
	The Scaw (Skagen)	1016·8	52	–	0	b	1018·6	0	54	+4	SE	1	–	b	1	–	54	43				
	Blaavands Huk	1014·7	54	ESE	3	b	1013·6	-1	54	+4	SSW	3	NW	bc	*	–	64	41				
	Copenhagen ...	1018·4	50	ESE	4	b	1017·2	0	48	+2	E	3	–	b	*	–	55	43				
	Bornholm ...	1018·3	39	E	5	b	1017·4	+1	45	+6	ESE	4	–	b	0	–	45	37				
FRANCE, &c.	The Helder ...	1006·6	61	ENE	2	c	1007·6	+1	59	+4	ESE	1	E	bc	1	–	68	55				
	C. Gris Nez ...	1003·2	66	SE	1	c	1005·6	+1	59	+2	S	1	*	o	1	–	68	55				
	La Hève	1000·2	56	SSE	3	c	1006·2	*	55	+4	SSW	2	*	c	1	3	64	54				
	Brest (St. Mathieu)	998·2	57	S	4	o	1004·6	+2	60	+4	SE	3	*	bc	3	–	64	52				
	Rochefort (Ile d'Aix)	1003·2	61	SW	3	c	1003·9	0	65	-3	ESE	3	*	c	*	1	66	52				
	Biarritz	1002·6	68	ENE	2	c	1001·6	+1	59	0	WSW	2	*	o	1	–	70	54				
	Paris	1004·0	64	S	3	c	1006·3	+1	55	-7	SSE	1	–	r	*	Trace	68	54				
	Belfort	1007·2	61	W	4	m	1009·9	*	54	-1	–	0	*	f	*	2	72	53				
	Lyons	1007·1	57	SSE	1	r	1006·6	*	58	-1	SSE	3	*	b	*	2	?	52				
	Nice	1010·2	58	E	4	tlr	1010·3	+1	58	-5	E	1	*	o	4	51	68	52				
	Perpignan ...	1004·7	55	N	1	r	1005·1	+2	57	-5	SW	1	SW	o	*	25	64	48				
	Sanguinaire ...	1010·7	66	S	4	r	1009·9	*	60	-1	S	4	*	o	3	3	73	54				
SOUTHERN STATIONS.	Corunna	1001·2	64	SSW	5	c	1001·3	+2	59	+2	SSW	6	–	c	2	15	64	54				
	Madrid	1003·7	64	WSW	3	c	1005·1	+2	50	-4	SW	1	–	c	*	6	66	48				
	Lisbon	?1008·7	59	SSW	4	o	1007·0	+1	57	-2	SW	3	–	bc	*	5	61	55				
	Azores (Horta) ...	1015·1	*	S	2	b	1010·8	+3	59	+2	SSW	6	*	r	4	1	68	59				
	Madeira	1010·0	64	W	4	f	1016·3	+3	61	-2	NW	3	NE	bc	3	2	68	61				
	Gibraltar	1007·4	58	W	1	r	1007·1	*	59	-1	NW	4	*	b	4	21	65	56				
	Malta	*	*	*	*	*	1014·2	+2	66	0	E	3	–	bc	2	–	70	63				
	Limassol	*	*	*	*	*	1013·4	0	66	-2	W	3	–	o	5	–	75	55				
	Alexandria ...	1010·7	70	ENE	2	o	1008·8	-5	73	+1	E	3	–	o	4	–	77	66				
	Cairo (Helwan) ...	1011·2	79	NE	4	c	1004·6	0	91	+12	S	5	–	o	*	–	99	77				

NOTE

SOLAR HALO was observed at HOLYHEAD Yesterday, 18th at 13h.

LONDON OBSERVATIONS.	Humidity. 15 h. 18th	Humidity. 9 h. 19th	Sunshine for 18th	24 Hours ended 9 h. 19th. Temperature. Max.	Temperature. Min.	Temperature. Min. on Grass	Rainfall.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	89	79	0.7	65	54	52	1	o	o.c.o	or.o
CITY (Bunhill Row)	*	*	0.3	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	80	83	0.4	65	54	52	2	bgu	du	or.d.o
CAMDEN SQ. (British Rainfall) ..	74	85	0.8	69	55	52	2	q	o	*
HAMPSTEAD (Reservoir)	*	92	0.8	63	60	45	3	orm	c	or.
S. KENSINGTON (Museum Grounds)	*	87	0.5	65	47	52	2	o	o.c.o	odr.od

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during 18th.

Total	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
649.	11.6.	57.

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

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

Issue No. 20,268 **DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917.** { SUNDAY 20TH MAY

YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON SATURDAY 19TH MAY 1917.

Maxima of about 65° were recorded generally, but in parts of Scotland and the north-east of England they were below 50°. Rain was general in these districts, 16 mm. at Eskdale. Sunshine varied from 13 hours in the Orkneys and several hours at many coast station to none inland. Fog occurred at night in the south and east.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR SATURDAY 19TH MAY UP TO 17 H.

	STATIONS.	Sunshine for 18TH	Rainfall. Night. 17h-9h.	Rainfall. Day. 9h-17h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 17 h. 19TH
			Mm.	Mm.	°F.	°F.			Hr.
Scotland.	Oban	0·1	-	-	61	53	o	o	0·0
	Banff	8·2	-	-	57	46	c. bc	bc	5·1
	Montrose	3·1	*	*	51	41	b	o	0·8
	St. Andrews	*	*	*	51	47	o. c	c bc. o	0·9
	Carnoustie								
N.E.	Harrogate		4	5	60	45	op	c. op	0·7
	Skegness				59	49	bc. o	o	3·2
N.W.	Morecambe								
	Southport	0·2	5	Trace	65	48	r	co	1·6
	Leamington Spa								
	Malvern								
	Ross-on-Wye	0·0	1	-	66	51	c. bc	bc	1·9
	Rhyl	*	*	*					
	Colwyn Bay	*	*	*					
	Llandudno	*	*	*					
	Aberystwyth	*	*	*	58	52	or. c	b. bc	3·7

	STATIONS.	Sunshine for 18th	Rainfall. Night. 17h-9h.	Rainfall. Day. 9h-17h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 17 h. 19th
			Mm.	Mm.	°F.	°F.			Hr.
England. E.	Lowestoft								
	Felixstowe	6·2	-	-	57	49	c. bc. m	bc. m	6·6
	Walton-on-Naze								
	Southend-on-Sea	0·4	-	-	67	50	o. c y	bc. c. o y	2·3
England, S.E.	Margate	0·2	1	-	64	47	o	c	0·0
	Hastings	2·3	5	Trace	60	44	bc fr	o. bc	0·5
	Eastbourne	1·4	2	1	61	51	om	om	0·4
	Seaford				60	51			1·0
	Brighton	1·3	2	-	59	51	o. c	c	0·8
	Worthing	0·9	5	-	64	51	o. c	bc	1·6
	Littlehampton				57	54	bc	bc	3·0
	Bognor								
	Bournemouth	0·0	Trace	-	66	49	bc. o	bc	7·0
England, S.W.	Weymouth		*	*					
	Torquay								
	Paignton				59	49	b	b	10·8
	Penzance		-	-	59	51	o. bc	b	5·5
	Newquay								
	Bude		1	-	65	50	bc	bc	7·2
	Ilfracombe								
	Weston-s-Mare		*	*					

REPORTS FROM FOREIGN STATIONS FOR SATURDAY 19TH MAY

STATIONS.	Evening of 18th May. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	Morning of 19th May. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.	Rainfall. Millimetres.
		°F.					‡	°F.	°F.				
Archangel	1013·0	28	N	2	c	1013·2	−2	30	+5	SW	3	bc	▲
Gorki						1019·5	0	43	+2	-	0	b	
Velieki Luki						1020·6	*	45	+4	SW	3	o	-
Hangö	1021·2	39	-	0	bc	1019·8	0	39	0	-	0	b	-
Riga	1021·5	45	-	0	o	1021·3	−5	50	+5	-	o	b	-
Petrograd	1018·6	39	E	2	o	1018·1	−5	39	0	WSW	2	b	-
Moscow	1017·1	41	NNW	2	b	1018·0	+2	37	−4	WNW	2	o	-
Kiev	1018·7	52	NE	2	b	1021·1	+1	50	−2	S	2	b	-
Kharkov	1015·3	50	N	2	c	1020·2	+4	45	−14	-	o	b	1
Kishinev													
Elisabetgrad	1016·3	52	N	2	b	1020·2	+2	30	−9	ENE	3	b	-
Nicolaiev	1014·3	59	N	2	b	1019·5	*	50	−5	ENE	3	b	-
Odessa	1014·9	61	NE	5	b	1019·5	+1	54	−3	E	3	b	5
Tarkhankout	1014·6	52	W	3	c	1019·3	*	56	+1	SSE	2	b	1
Soukhoum	1016·2	63	-	0	o	1018·0	+1	63		-	o	b	-
Venice	1012·5	68	-	0	b	1012·9	*	68	−2	E	1	c	-
Pesaro	1011·9	66	-	0	b	1013·4	*	66	+5	-	o	c	6
Rome	1016·1	64	-	0	bc	1014·3	*	64	+1	SW	1	o	-
Viesti	1012·3	66	-	0	b	1015·0	*	66	−2	SSE	1	bc	-
Brindisi	1016·3	64	-	0	b	1013·8	*	61	+2	-	o	b	-
Cagliari	1011·3	72	SSE	4	o	1008·6	*	64	−2	E	4	r	6
Palermo	1012·7	64	-	0	c	1013·3	*	59	0	-	o	f	-
Tripoli						1013·0	*	68	0			b	7
Algiers	1007·4	63	WSW	2	r	1002·7	+3	63	−5	-	o	o	10
Hernösand	1018·7	43	S	2	b	1017·9	*	45	+2	NNW	4	b	*
Stockholm	1020·0	48	E	2	o	1017·9	*	52	+6	SW	2	c	*
Wisby	1018·6	46	SW	2	b	1018·3	*	45	+2	WSW	2	b	*

ICELAND.	Morning of 19th May. Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather	Temp. Max.	Temp. Min.
		°F	°F				°F	°F
Isafjord	1020·0	43		-	o	o	*	25
Reykjavik	1019·1	46		E	12	b	*	36
Vestmanna							*	32
Seydisfjord	1020·3	41		-	o	b	*	37
Thorshavn	1021·9	46		-	o	c	46	36
							*	34
							*	41
							*	32
							*	
							*	37
							*	45
							*	48
							*	50
							*	

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

20th and 21st May, 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3·51	11·49	7·46
	3·50	11·49	7·48
Greenwich	4·4	11·56	7·48
	4·2	11·56	7·50
Wick	3·38	12·8	8·39
	3·36	12·8	8·41
Valencia	4·43	12·37	8·30
	4·41	12·37	8·32

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar. frost; z. dust-haze, or smoke.

‡ The barometric change is expressed in half-millibars.

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THE MORNING OF SUNDAY, 20TH MAY, 1917.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.

FORECAST DISTRICTS.

General Inference

The changes in progress are too slight to bring any important change in the pressure distribution at present.

HIGH

LOW

LOW

1020mb

1025mb

1020mb

1015mb

1010mb

1015mb

1010mb

1005mb

1015mb

1005mb

29.97in.

29.68in.

29.83in.

29.97in.

32°

40°

50°

60°

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 ¼ clouded. ◑ sky ½ clouded.
◍ sky ¾ clouded. ● overcast sky. ⛆ rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤ thunder.
⊤, thunderstorm.

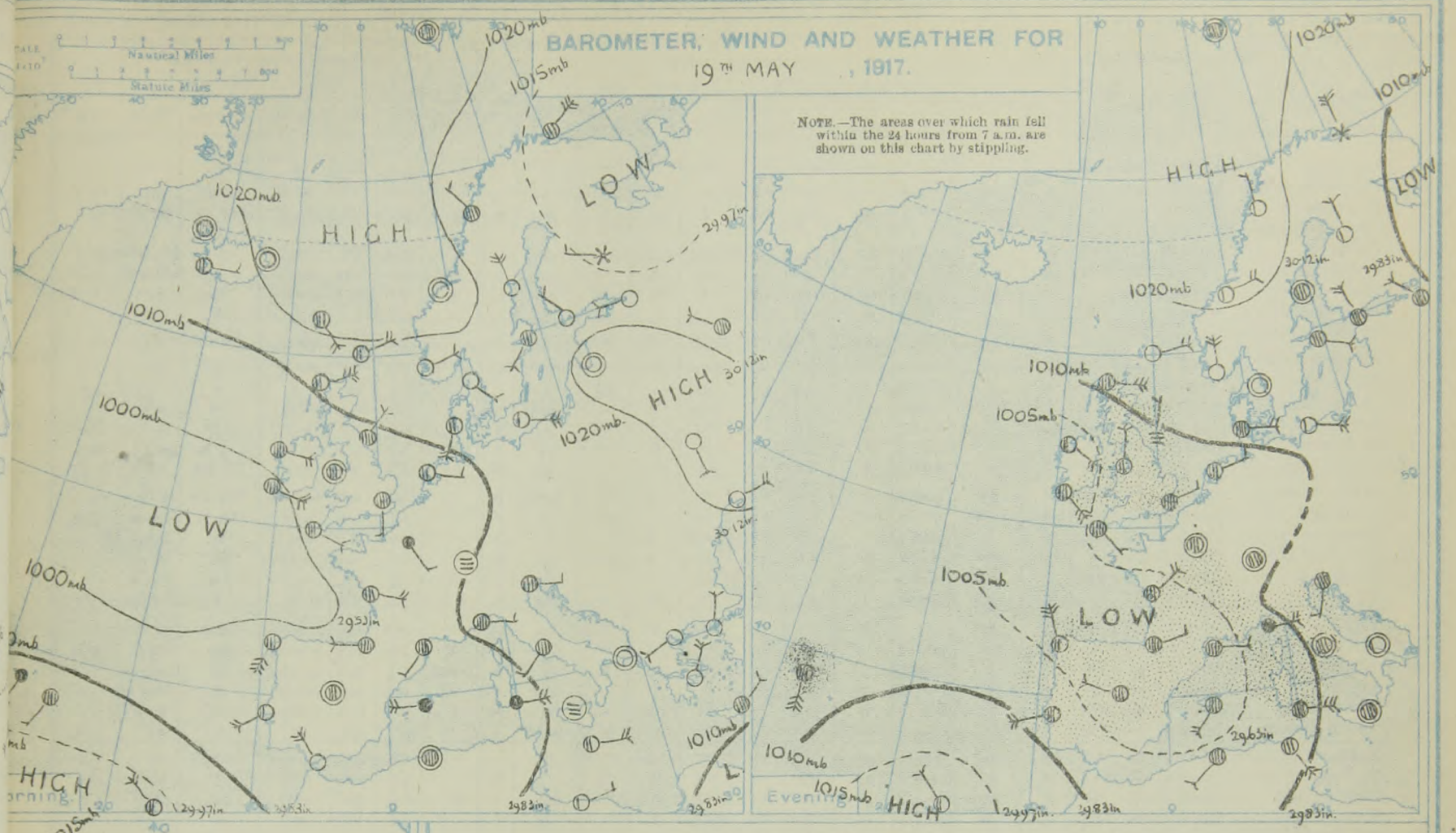
SEA DISTURBANCE.—Rough ~~ High ≈≈.

SCALE 1 : 2 · 10⁶
Nautical Miles 0 100 200 300 400 500
Statute Miles 0 100 200 300 400 500

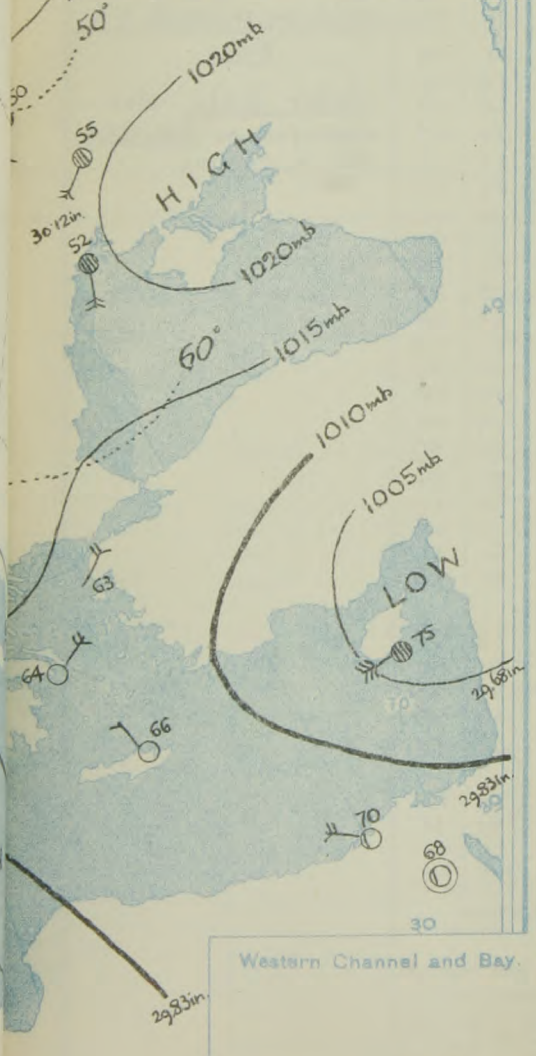
Normal Temperature of the Sea.
Below 40° | 40°-50° | 50°-60° | Above 60°

Scale of Tints for MAY.

BAROMETER, WIND AND WEATHER FOR 19th MAY , 1917.



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



FORECASTS NOON SUNDAY TO NOON MONDAY

0 {a b} 1	NE. and E. wind, moderate or light; changeable sky, some rain and mist; cool.
2 {a b} 3 4 {a b c} 5	NE. and E. winds, light; cloudy or dull to fairer; some fog or mist; cool on coast.
6 {a b}	Same as Nos. C. and 1
7 {a b} 8 {a b} 9 {a b} 10 {a b}	Wind between SE. and NE., light; changeable sky; some mist or fog; moderate or rather low temperature.
Western Channel and Bay. 11	NE. and N. winds, light; sea slight; fair to dull; some rain later.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 140 { Sunday 20th MAY

	STATIONS.	EVENING OF 19th: Barom. Millibars at M.S.L.	Temp	Wind. Direc.	Force 0-12.	Weather.	MORNING OF 20th: Barometer. Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb.	Change in 24 hours.	Wind. Direc.	Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	24 HOURS ENDED 7 A.M. 20th: Rainfall. Millimetres.	Temp. Max.	Min.	Weather. Morning.	Afternoon.	Night.	Sunshine for 19th
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1018·9	46	ENE	3	b	1017·6	−1	45	0	NE	3	—	o	3	—	47	44	bc	b	c	*
	Deerness (Orkney)	1015·9	46	E	6	bc	1015·6	*	45	−1	E	5	E	bc	4	—	50	43	bc.b	b.bc	bc	12·8
	Stornoway ...	1010·9	50	E	5	cq	1011·7	0	47	−4	E	2	—	op	2	2	62	46	bcq	bc.cq	bc.op	6·5
	Castlebay (Barra Isd.)																					
	Glasgow ...	1010·6	47	ENE	4	o	1011·4	0	44	−2	ENE	4	—	r	*	9	49	43	oqp	op.o	op.omr	0·0
	Eskdalemuir ...	1009·9	48	NNE	3	or	1011·5	+1	45	+1	N	2	—	or	*	16	50	44	or.o	o.or	or.o.or	0·0
	Malin Head ...	1006·7	48	ESE	4	bc	1009·0	+1	48	+2	E	2	—	om	2	2	52	47	omrq	bc	om	1·3
	Blacksod Point	1003·6	59	SE	3	bc	1006·0	0	54	+4	ESE	3	SE	bc	2	—	62	49	ez	bc	bc	*
	Valencia (Cahirciveen)	1003·1	56	SE	5	cz	1006·4	+2	54	0	SSE	3	SE	o	3	1	62	52	o.c	bc.cz	op	3·2
	Roche's Point	1005·9	53	S	3	om	1008·3	*	52	0	SSE	4	—	o	4	0·3	57	50	om.c	c.om	odm	*
	Birr Castle ...	1004·8	60	SE	1	c	1008·3	*	55	+1	E	1	SE	c	*	—	61	51	c	c	c	1·9
	Donaghadee ...	1007·3	49	SE	3	bcm	1009·7	+1	45	−4	NW	2	—	ofd	2	6	51	45	omr	cme	ofd	*
	Liverpool (Bidston)	1007·1	54	W	3	o	1008·7	+1	50	−3	W	1	—	oq	1	8	66	50	o.c	c.o	o.r	0·8
	Holyhead ...	1007·3	52	N	2	bcf	1008·8	+1	49	−3	N	2	—	cf	1	Trace	60	42	c.om	cf.f.bc	o.bcf	4·5
	Pembroke (St. Ann's)	1007·1	55	SSE	1	bc	1008·9	0	55	+6	NE	2	—	bc	2	0·1	58	48	bc.b	b.bc	bc.b	10·9
	Scilly (St. Mary's)	1006·6	55	SE	1	om	1008·2	0	54	+1	—	0	E	bcm	3	—	60	48	bcm.cm	bcm.cm	cm.bcm	10·4
	Falmouth ...	1007·0	56	SSE	1	bz	1007·2	+1	54	+3	N	1	SE	b	*	—	59	46	o.bc	bc.b	bm.b	7·4
	Jersey (St. Aubin)	1006·1	60	NE	2	b	1006·3	*	55	−1	NNE	2	—	c	1	—	66	50	bm.b	b.	o.bc	11·0
	Portland Bill ...	1006·7	53	—	0	bc	1007·1	0	60	+8	NE	3	SE	bc	2	—	60	49	bc.c	bc	bc.b	*
	Dungeness ...	1006·0	63	NE	2	bf	1007·4	+1	55	+5	NE	1	—	b	1	—	56	46	f.	f.c	f.c.b	*
	Dover	1007·3	58	—	0	c	1007·1	?	55	0	N	2	—	bc	2	0·1	62	50	o.c	c	c.bcz	1·1
	Wick	1015·2	45	ESE	3	bc	1015·2	+1	46	−1	ENE	3	—	bc	4	—	48	44	c.bcm	bcm	bcmz	*
	Nairn	1011·7	49	E	4	cq	1012·3	*	47	0	—	0	—	cg	1	2	52	44	c.bc.cq	cq	cgp	3·0
	Aberdeen ...	1013·8	47	NE	3	o	1014·1	0	50	+1	NE	2	E	b	2	Trace	53	45	bc.c.o	op	op.c.b	3·7
	Leith	1010·6	46	E	2	o	1011·3	0	45	−1	E	1	—	rm	2	6	48	44	od.oe	o	rm.or	*
	Tynemouth ...	1009·8	46	NNE	1	f	1010·7	0	45	0	N	2	—	om	4	9	48	44	omp	omp	omr	*
	Spurn Head ...	1007·9	60	ESE	4	cm	1009·6	+1	48	−2	ENE	3	—	om	3	1	57	45	c	c	or	2·2
	Yarmouth (Gorleston)	1007·5	50	SE	1	bcf	1009·1	+3	47	−3	—	0	—	f	1	1	55	47	bc.omr	bcmf	f	1·6
	Clacton-on-Sea	1007·2	55	ESE	1	c	1008·2	+1	52	−1	NE	3	—	f	2	—	59	51	cm	cm	cmf	5·9
	Nottingham ...	1006·8	58	W	1	rm	1009·3	*	52	−1	NNE	2	—	om	*	8	64	51	or	or	orm	0·4
	Benson (Oxon.) ...	1006·0	64	SE	1	o	1007·3	+1	54	−3	ENE	2	—	fe	*	0·3	65	48	o	o	o.fe	*
	Sth Farnborough	1005·6	64	—	0	o	1007·0	+1	56	+1	NE	2	—	om	*	1	66	49	m.or.o	o	o.bc.om	0·0
	London (Kew Obsy.)	1006·6	62	ENE	1	om	1008·1	+2	54	−5	NE	2	—	ofe	*	H	65	52	om.omd.dp.omq.orm		om.ofe	0·6
NORTHERN EUROPE.	Spitsbergen ...	1024·0	19	—	0	o	1019·1	−4	19	+3	S	8	*	o	*	*	21	14				
	Vardö	1018·1	21	N	5	s	1025·1	+2	25	+2	NE	5	—	s	5	*	25	19				
	Bodö	1023·5	34	N	1	b	1029·2	+1	28	−6	ENE	1	—	b	1	—	36	25				
	Christiansund ...	1020·4	46	ENE	3	b	1021·2	0	43	0	ENE	3	—	b	3	—	50	37				
	Skudesnaes ..	1015·1	55	N	4	b	1015·9	0	55	+3	NE	3	—	b	1	—	61	41				
	Færder (X'tsnia Fjord)	1014·9	54	WSW	2	b	1019·0	+3	50	+2	NNE	4	—	b	1	—	55	45				
	The Scaw (Skagen)	1014·6	55	—	0	b	1017·1	+2	55	+1	NNE	1	—	b	1	—	59	41				
	Blaavands Huk	1012·0	63	E	3	o	1013·1	0	55	+1	E	2	W	b	?	—	70	39				
	Copenhagen ...	1014·4	55	ESE	4	bc	1015·3	+1	50	+2	NE	2	—	b	*	—	57	45				
	Bornholm ...	1014·4	45	ESE	4	b	1014·4	+1	46	+1	E	4	—	b	0	—	48	39				
FRANCE, &c.	The Helder ...	1007·7	57	ENE	1	c	1009·0	+1	54	−5	NNE	1	—	b	1	—	63	52				
	C. Gris Nez ...	1007·1	59	—	0	c	1007·0	+1	54	−5	NE	4	*	c	1	—	61	48				
	La Hève	1007·3	57	NNE	1	m	1004·6	*	56	0	NNE	1	*	bc	1	—	64	50				
	Brest (St. Mathieu)	1007·4	61	NNW	2	o	1007·3	+1	61	+1	ENE	2	*	bc	3	—	64	?52				
	Rochefort (Ile d'Aix)	1003·3	69	ENE	3	c	1001·3	−1	58	+3	NNE	2	*	r	*	10	79	54				
	Biarritz	1001·6	53	ENE	1	o	1001·1	−2	57	−2	W	4	*	r	3	7	63	54				
	Paris	1005·5	61	NE	1	r	1004·6	−1	61	+6	NE	2	—	c	*	2	72	54				
	Belfort	1007·0	64	—	0	o	1005·6	*	54	0	E	6	*	m	*	—	69	54				
	Lyons	1005·7	59	SW	1	r	1003·0	*	57	−1	—	0	*	o	*	2	74	64				
	Nice	1007·8	54	E	3	r	1007·9	+3	56	−3	E	5	*	r	5	46	61	54				
	Perpignan ...	1002·7	59	E	2	o	1000·8	+3	57	0	S	1	—	r	*	17	72	34				
	Sanguinaire ...	*					*	*					*									
SOUTHERN STATIONS.	Corunna	1004·4	61	NNW	5	bc	1008·6	+2	62	+3	SW	4	SW	bc	2	?	63	52				
	Madrid	1003·5	57	WNW	2	c	1007·7	+3	54	+4	WSW	3	SW	bc	*	6	61	48				
	Lisbon	1008·4	61	WSW	4	c	1011·0	+3	59	+2	W SW	4	—	o	6	Trace	63	57				
	Azores (Horta) ...	1006·0	*	SW	6	c	1011·5	+2	59	0	WSW	6	*	bc	4	9	64	55				
	Madeira	1018·0	64	NW	2	bc	1017·2	−1	61	0	W	2	NW	c	2	—	66	59				
	Gibraltar							*					*									
	Malta	*	*	*	*	*	1007·1	−3	64	−2	ESE	6	—	m	5	—	70	63				
	Limassol	*	*	*	*	*	1005·5	−6	75	+9	W	6	—	o	6	—	81	66				
	Alexandria ...	1006·0	68	N	6	o	1013·5	+4	70	−3	NW	3	NW	b	3	—	84	64				
	Cairo (Helwan) ...	1004·4	86	SW	4	o	1013·6	+3	68	−23	—	0	N	b	*	—	100	64				

Note

Solar Halo was observed at Aberdeen this morning.

LONDON OBSERVATIONS.

	Humidity. 15 h. 19th	Humidity. 9 h. 20th	Sunshine for 19th	24 Hours ended 9 h. 20th: Temperature. Max.	Min.	Min. on Grass.	Rainfall.	Weather. Morning.	Afternoon.	Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	93	95	0·6	66	51	51	8	o	or	op·ozm
CITY (Bunhill Row)	*	*	0·2	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	94	92		64	52	50	5	or	r	om.b
CAMDEN SQ. (British Rainfall) ..	91	82	0·0	62	52	51	2	o	or.o	*
HAMPSTEAD (Reservoir)	*	99	0·3	60	49	43	3	c.op	ome	o
S. KENSINGTON (Museum Grounds)	*	90	0·2	63	53	53	12	o	or	or.o

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during 19th

Total. Joules.	Average Rate. Milliwatts.	Max. Rate. Milliwatts.

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

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

Issue No. 20269 **DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917.** MONDAY 21ST MAY

YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON SUNDAY 20TH MAY 1917.

Temperature rose to above 65° in many parts of England, but was much lower in Scotland. The day was bright in the South-west of England, but elsewhere there was little sunshine except quite locally. Rain fell in most parts of these Islands, but its distribution was irregular. Thunder-storms occurred in the South of England at night.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR SUNDAY 20TH MAY UP TO 17 H.

	STATIONS.	Sunshine for 19h	Rainfall. Night. 17h-9h.	Rainfall. Day. 9h-17h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 17h 20h
			Mm.	Mm.	°F.	°F.			Hr.
Scotland.	Oban	0·0	3	7	64	51	or	bc. b	1·7
	Banff	5·2	–	–	61	42	b. bc	c. bc	7·6
	Montrose	0·8	1	–	52	41	0	bc	1·2
	St. Andrews								
	Carnoustie	*	*	*	52	47	op	bc	2·2
Eng. N.E.	Harrogate	0·7	6	–	61	45	0	c. bc	1·2
	Skegness		–	–	53	47	om	0	2·2
Eng. N.W.	Morecambe								
	Southport	1·6	8	–	64	51	o.c.o	o.c.o	1·3
Midlands.	Leamington Spa								
	Malvern								
	Ross-on-Wye								
Wales.	Rhyl	4·5	1	–	55	50	r v	bcm	3·0
	Colwyn Bay	*	*	*	57	52	bc	bc	3·4
	Llandudno	*	*	*	57	46	c	c	4·8
	Aberystwyth	*	*	*	56	45	o.c	bc. c	4·5
England, E.	Lowestoft								
	Felixstowe	6·6	Trace	–	64	50	f bcm	bcm	6·8
	Walton-on-Naze								
	Southend-on-Sea	2·3	–	–	66	51			2·6
England, S.E.	Margate								
	Hastings	0·5	–	–	68	49	bc. c	bc. o	3·7
	Eastbourne	0·4	–	–	68	48	c	c	5·6
	Seaford								
	Brighton								
	Worthing	3·1	–	1	68	49	b. bc	r	3·7
	Littlehampton								
	Bognor								
	Bournemouth	7·0	–	1	69	47	b	or	4·0
England, S.W.	Weymouth		*	*					
	Torquay		–	–	67	49	c.o	o	1·9
	Paignton								
	Penzance								
	Newquay		–	–	57	43	bc	bc	9·3
	Bude								
	Ilfracombe								
	Weston-s-Mare		*	*					

REPORTS FROM FOREIGN STATIONS FOR SUNDAY 20TH MAY

	STATIONS.	Evening of 19th May. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	Morning of 20th May. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours. ‡	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	Rainfall. Millimetres.	Temp. Max. °F	Temp. Min. °F
RUSSIA 7 a.m. and 9 p.m. Local Time.	Archangel	1002·7	37	SE	3	0									*	
	Gorki						1013·9		48	0	–	0	b	6	*	39
	Velieki Luki						1012·0	*	48	+3	WSW	3	c	–	*	43
	Hangö	1015·5	43	NNW	3	0									*	
	Riga						1015·1	0	46	-4	–	0	0	–	*	43
	Petrograd	1010·6	39	NW	2	0	1011·4	0	36	-3	NNW	5	0	5	48	34
	Moscow	1017·2	43	SW	1	b	1011·3	-4	46	+9	WSW	3	0	–	*	37
	Kiev	1012·3	55	SE	3	bc	1016·6	-1	50	0	S	3	r	1	*	45
	Kharkov	1022·3	52	–	0	0									*	
	Kishinev														*	
	Elisabetgrad	1020·0	54	ESE	3	0	1019·4	0	55	+5	SSW	3	c	–	*	46
	Nicolaiev	1019·4	61	ESE	4	b	1021·1	*	54	+4	SE	2	b	–	*	45
	Odessa	1019·5	59	ESE	1	b	1019·1	0	52	+2	S	4	0	–	*	50
	Tarkhankout							*							*	
	Soukhoum														*	
MEDITERRANEAN.	Venice	1011·9	68	SSW	1	0	1011·1	*	66	-2	–	0	0	Trace	73	64
	Pesaro	1012·5	66	–	0	0	1011·7	*	66	0	–	0	c	–	73	61
	Rome	1013·1	64	–	0	c	1011·7	*	64	0	–	0	0	Trace	73	61
	Viesti	1014·2	66	–	0	b	1012·5	*	64	-2	SSE	1	bc	–	73	61
	Brindisi						1013·0	*	61	0	SE	1	b	–	73	57
	Cagliari	1007·3	68	ESE	5	0	1005·9	*	63	-1	ESE	5	r	6	73	52
	Palermo	1013·0	68	–	0	0	1007·8	*	68	+9	E	3	0	–	73	57
	Tripoli						1023·1	*	77	+9	ESE	2	r	–	77	63
	Algiers	1005·2	61	SW	2	0	1007·0	+2	61	-2	SW	4	bc	7	66	59
SWEDEN.	Hernösand	1016·7	46	–	0	c	1027·0	*	52	+7	NE	4	b	*	*	*
	Stockholm	1015·4	50	ESE	2	c	1020·3	*	64	+12	ESE	2	bc	*	*	*
	Wisby	1013·7	50	WSW	2	b	1020·4	*	55	+10	E	6	b	*	*	*

ICELAND.	Morning of 20th May. Barom. Millibars at M.S.L.	Temp. Dry Bulb. °F	Temp. Change in 24 hours. °F	Wind. Direc.	Wind. Force 0–12.	Weather
Isafjord	1015·9	41	-2	–	0	0
Reykjavik	1011·8	45	-1	E	3	r
Vestmanna						
Seydisfjord	1015·9	43	+2	–	0	c
Thorshavn	1015·1	44	-2	–	0	0

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

21ST AND 22ND 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3·50 3·49	11 49 11 49	7 48 7 49
Greenwich	4·2 4·1	11 56 11 56	7 50 7 51
Wick	3·36 3·34	12 8 12 8	8 41 8 43
Valencia	4·41 4·40	12 37 12 37	8 32 8 34

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar-frost; z. dust-haze, or smoke.

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‡ The barometric change is expressed in half-millibars.

THE MORNING OF MONDAY, 21ST MAY, 1917.

GENERAL INFERENCE

The changes in progress seem to indicate that the South-western depression will move on to Ireland.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.

FORECAST DISTRICTS.

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 ¼ clouded. ◑ sky ½ clouded.
◕ sky ¾ clouded. ● overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist, ⊤ thunder.
⊤s, thunderstorm.

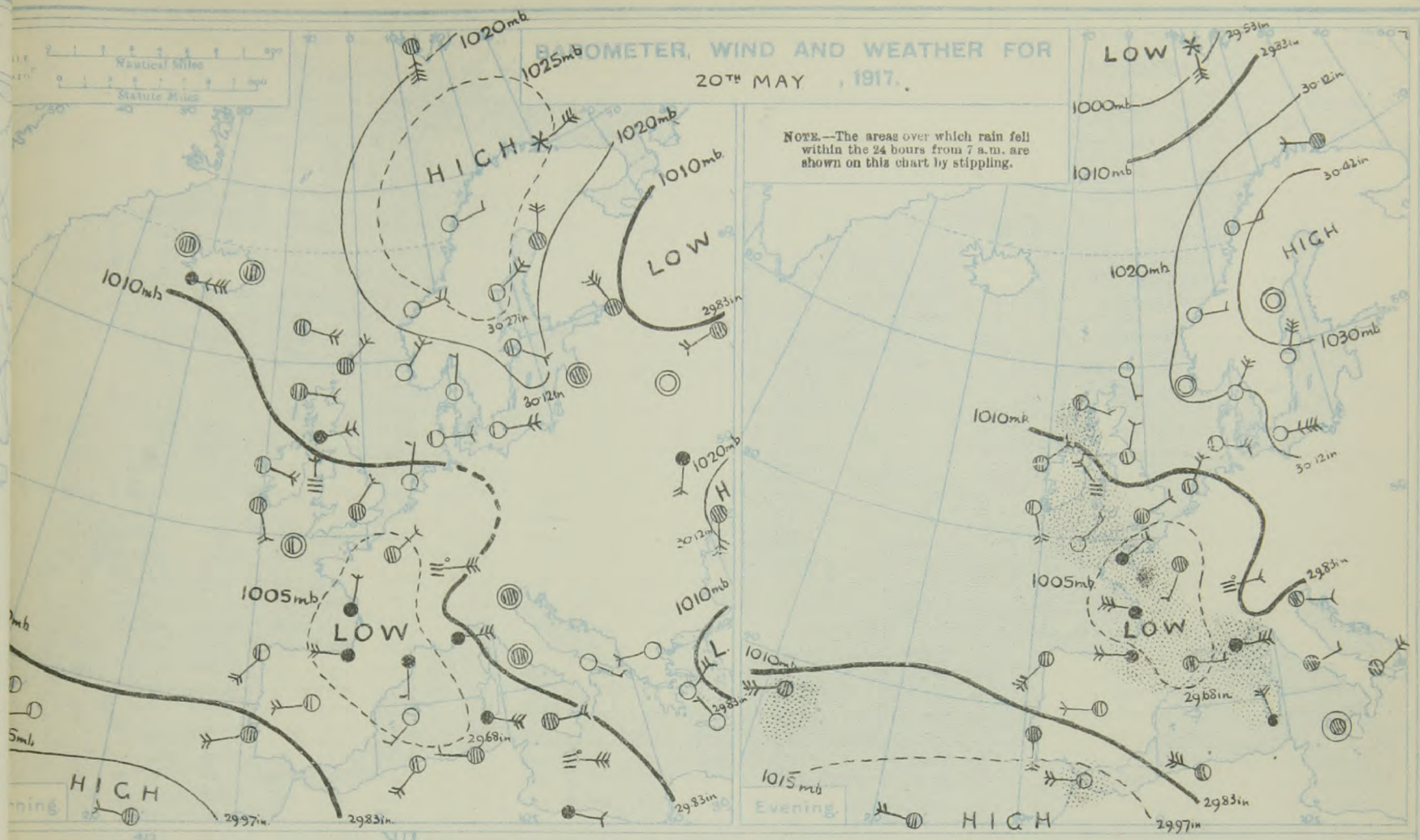
SEA DISTURBANCE.—Rough ~~~. High ≈.

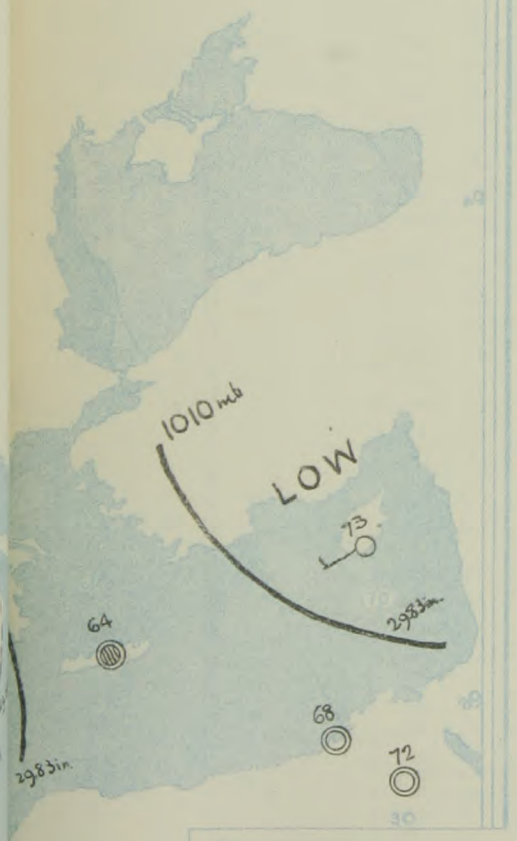
Normal Temperature of the Sea

Below 40° | 40°-50° | 50°-60° | Above 60°

Scale of Tints for MAY.

BAROMETER, WIND AND WEATHER FOR 20TH MAY, 1917.





FORECASTS NOON MONDAY TO NOON TUESDAY

0 (a, b), 1 — SE. and E. winds, light to fresh; variable cloud, some rain; colder.

2 (a, b), 3 — E. and SE. winds, moderate or fresh, strong in places; mostly fair, some showers; rather colder.

4 (a, b, c), 5 — NE. and SE. wind, light or moderate, fresh in places; mostly fair, some showers; temperature falling later.

6 (a, b) — Same as 0. and 1.

7 (a, b) — NE. and SE. winds, moderate or fresh; dull, rain at times; cold.

8 (a, b) — Variable to SW. or W. winds, moderate; changeable, showery, some mist; milder.

9 (a, b), 10 (a, b) — Wind mainly NE. or E. moderate; dull, rain at times; cold.

11 — W. and SW. winds moderate; sea moderate or slight; changeable, some showers.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 141 { Monday. 21st MAY.

	STATIONS.	EVENING OF 20th: Barom. Millibars at M.S.L.	Temp. °F	Wind. Direc.	Wind. Force 0-12.	Weather.	MORNING OF 21st: Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	24 HOURS ENDED 7 A.M. 21st: Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for 20th Hours.
BRITISH ISLANDS.	Lerwick ...	1018·0	47	SSE	1	bm	1018·8	0	48	+3	S	4	—	o	4	—	50	45	o.c	bm	bc.o	*
	Deerness (Orkney)	1015·6	48	ESE	4	bc	1015·9	*	48	+3	SE	5	—	oz	4	—	49	45	bc.b	b.bc	bc.c.o	2.4p
	Stornoway ...	1011·9	55	ESE	1	bc	1012.6	0	49	+2	E	1	—	o	0	2	55	44	op	op.bc	b.o	3.0
	Castlebay (Barra Isd.)																					
	Glasgow ...	1011·8	54	ENE	2	o	1011·9	−2	46	+2	NE	4	—	omr	*	5	56	44	omp.o	o.c.o	o.c.omp	0.7
	Eskdalemuir ...	1010·7	58	NE	3	c	1011·5	0	47	+2	NE	4	—	o	*	1	59	45	or.o	o.c	c.o	0.7
	Malin Head ...	1009·5	50	E	3	bcm	1008·5	−1	47	−1	ENE	2	—	om	2	—	53	46	bcm	bcm	om	8.1
	Blacksod Point	1009·1	66	NE	2	c	1005·8	−2	52	−2	NE	3	—	om	2	—	62	50	bc	bc	cg.cm	*
	Valencia (Cahirciveen)	1007·3	61	SSE	4	bc	1005·5	−2	49	−5	—	0	—	om	2	—	64	48	o.c	c.bc	bc.c.cm	8.3
	Roche's Point	1008·3	54	SSE	1	c	1003·7	*	53	+1	WNW	2	—	r	2	6	57	47	od.om	om.c	c.b.or	*
	Birr Castle ...	1007·7	63	E	1	c	1004·3	*	54	−1	NE	1	—	r	*	2	68	52	c	c	c.or	8.7
	Donaghadee ...	1010·2	49	N	2	of	1008·0	−2	46	+1	N	3	—	ofr	2	3	50	45	of	of	ofp	*
	Liverpool (Bidston)	1008·3	62	WSW	1	m	1006·7	+1	56	+6	ENE	2	SE	cg	2	4	62	50	cg.c	cg	or	0.4
	Holyhead ...	1008·2	52	NW	3	f	1004·2	−1	54	+5	ENE	5	—	of	4	3	60	48	cf.o.ef	cf.f	of.orm	4.0
	Pembroke (St. Ann's)	1007·2	58	N	3	o	1001·8	−2	57	+2	E	3	—	o	2	16	65	53	c	o	o.or.op	10.5
	Scilly (St. Mary's)	1007·3	56	NE	1	bm	1002.6	−1	52	−2	W	3	—	rf	3	9	62	51	bcm	bcm	or.fr	11.8
	Falmouth ...	1005·4	60	NW	1	o	1000·6	+1	52	−2	—	0	—	ome	*	13	70	52	b	b.o.c.o	or	8.3
	Jersey (St. Aubin)	1003·3	55	NE	3	r	1002.3	*	53	−2	SSW	3	—	ome	2	6	62	53	c.op	opr	ofme	0.1
	Portland Bill ...	1005·3	60	NE	2	or	1002·5	+1	51	−9	ENE	2	E	c	3	7	65	50	om.bc	or	or.c	*
	Dungeness ...	1004·3	57	NE	3	o	1004·1	+1	57	+2	NE	2	—	bc	2	11	59	52	bc	c.o	o.r.bc	*
	Dover						1005·1	?	62	+7	—	0	SE	c	2	6	66	54			bc.tr	4.4
	Wick	1014·5	47	ESE	3	o	1015·8	+1	46	0	SSE	3	—	o	4	—	48	44	bcz	bcz.om	o.bc.om	*
	Nairn	1011·7	54	E	1	bc	1013·3	*	46	−1	—	0	—	odg	1	1	54	40	og	o.c.b	edg	1.6
	Aberdeen ...	1014·4	49	E	3	bc	1016·8	+1	49	−1	SE	2	—	bc	2	—	53	43	bc.c.o	o.c.bc	bc.c	5.8
	Leith	1011·4	50	E	1	bc	1012·3	0	46	+1	E	2	—	o	3	3	52	44	orm.c	bc.c.bc	bc.op.o	*
	Tynemouth ...	1011·7	50	NNE	2	bcm	1013·1	0	50	+5	ENE	3	SE	bcm	3	—	53	44	bcm	bcm	cm	*
	Spurn Head ...	1011·0	53	E	4	bc	1010·8	+1	51	+3	ESE	3	—	cm	4	—	57	46	bc	bc	c	4.7
	Yarmouth (Corleston)	1008·8	55	NE	4	bc	1008·4	+3	52	+5	ESE	6	—	bq	6	—	56	47	f	bf	bc.b	3.5
	Clacton-on-Sea	1007·2	61	NE	4	bc	1005·3	0	55	+3	ENE	4	E	bc	4	—	64	51	fm.bc	bc	bc.c.bc	7.2
	Nottingham ...	1009·2	62	ENE	3	bc	1007·3	*	53	+1	NE	4	NE	o	*	8	64	49	om	o.c	cp.o	0.5
	Benson (Oxon.) ...	1006·5	62	ENE	1	od	1003·7	0	59	+5	ENE	4	—	o	*	9	68	54	o	or	otlr	*
	Sth Farnborough	1005·8	61	E	2	o	1004·0	0	59	+3	ENE	3	—	orm	*	9	66	56	om	or.om	or.tlr	0.2
	London (Kew Obsy.)	1006·5	65	ENE	2	om	1004·9	0	59	+5	NE	4	—	om	*	17	67	53	ofc.om.o	o.od.o.om	o.otlr.or	1.2
NORTHERN EUROPE.	Spitsbergen ...	999·1	21	S	6	S	1001·1	+4	16	−3	N	7	*	bc	*	*	21	12				
	Vardö	1025·9	25	WNW	2	o	1018·1	−6	30	+5	W	7	—	o	4	*	30	18				
	Bodö	1028·7	34	E	1	b	1021·2	−5	37	+9	E	2	—	b	2	—	34	28				
	Christiansund ...	1021·0	57	E	1	b	1022·0	0	54	+11	W	2	—	b	3	—	57	43				
	Skudesnaes ..	1020·7	55	—	0	b	1026·9	+1	52	−3	SE	4	—	b	1	—	61	48				
	Færder (X'lania Fjord)	1025·7	50	SE	5	b	1033·6	+1	41	−9	SE	4	—	b	2	—	57	41				
	The Scaw (Skagen)	1019·9	55	NE	4	b	1032·3	+4	41	−14	ESE	4	—	b	4	—	59	39				
	Blaavands Huk	1016·6	68	ESE	3	b	1024·4	0	45	−10	ESE	6	—	b	0	—	72	37				
	Copenhagen ...																					
	Bornholm ...	1020·6	39	E	8	b	1029·3	+3	37	−9	ESE	8	—	b	3	—	48	36				
FRANCE, &c.	The Helder ...	1008·2	61	NE	3	bc	1012·7	+3	52	−2	E	6	S	bc	3	—	63	52				
	C. Gris Nez ...	1005·0	54	NE	5	o	1004·8	0	59	+5	E	2	*	o	1	2	61	54				
	La Hève							*					*									
	Brest (St. Mathieu)	1005·9	66	NNE	3	c	1005·2	+1	55	−6	WNW	2	*	c	3	—	68	52				
	Rochefort (Ile d'Aix)	1000·6	58	SW	6	r	1007·4	+3	59	+1	W	4	*	c	*	15	68	57				
	Biarritz	1006·9	57	W	4	r	1009·3	+2	63	+6	—	0	*	c	2	31	59	52				
	Paris	1003·1	70	—	0	0	1006·9	+3	61	0	SE	1	—	c	*	3	75	59				
	Belfort	1007·2	71	E	2	m	1010·0	*	69	+5	W	4	*	o	*	—	77	58				
	Lyons	1004·7	62	SE	1	o	1008·2	*	55	−2	—	0	*	o	*	1	65	54				
	Nice	1009·6	54	E	5	r	1005·7	+1	59	+4	E	3	*	o	5	29	57	52				
	Perpignan ...	1004·4	63	E	1	c	1008·3	+3	63	+6	N	1	—	c	*	2	73	55				
	Sanguinaire ...	1007·3	66	S	4	o	1003·1	*	60		E	3	*	r	3	—	72	54				
SOUTHERN STATIONS.	Corunna	1007·9	66	SW	5	c	1011·9	+5	62	0	WSW	5	—	c	2	4	64	55				
	Madrid														*							
	Lisbon	1011·1	61	S	4	o	1014·6	+3	57	−2	W	2	—	b	6	4	63	55				
	Azores (Horta) ...	1011·3	*	WSW	6	c	1005·0	+4	59	0	WSW	5	*	bc	4	26	64	55				
	Madeira	1016·3	64	W	3	c	1019·3	0	59	−2	N	3	—	o	3	—	68	59				
	Gibraltar	1016·6	63	W	4	b	1014·9	*	61		W	8	*	r	5	1	69	60				
	Malta	*	*	*	*	*	1006·7	+3	63	−1	NW	4	—	bc	3	1	68	61				
	Limassol	*	*	*	*	*	1008·4	+2	73	−2	W	1	—	b	2	—	79	59				
	Alexandria ...	1014·3	66	NE	2	b	1013·7	0	68	−2	—	0	—	b	0	—	77	59				
	Cairo (Helwan) ...	1013·2	77	N	3	b	1013·6	+1	72	+4	—	0	—	b	*	—	86	61				

LONDON OBSERVATIONS.

	Humidity. 15 h. 20th %	Humidity. 9 h. 21st %	Sunshine for 20th Hours.	24 HOURS ENDED 9 h. 21st: Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
GREENWICH (Royal Observatory)	77	94	0.7	67	56	55	17	o	or	otlr
CITY (Bunhill Row)	*	*	1.3	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	73	89		68	58	55	19	o	o	otlr
CAMDEN SQ. (British Rainfall) ..	~	97	1.9	72	58	56	16	—	—	*
HAMPSTEAD (Reservoir) .. .	*	94	2.2	66	53	49	17	c.op	o	otlr
S. KENSINGTON (Museum Grounds)	*	90	1.0	68	57	57	18	o	od.o	o.otlr

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during 20th

Total. Joules.	Average Rate. Milliwatts.	Max. Rate. Milliwatts.
960	16.9	72.5

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

RAINFALL.

Equivalents of Millimetres in Inches.

mm.	Inches.	mm.	Inches
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·10
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69
19	0·75	44	1·73
20	0·79	45	1·77
21	0·83	46	1·81
22	0·87	47	1·85
23	0·91	48	1·89
24	0·95	49	1·93
25	0·98	50	1·97

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

Issue No. 20,270. **DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917.** Tuesday, 22nd MAY.

YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON Monday, 21st MAY, 1917.

Some rain fell in most parts of the country. 8 hours of sunshine was measured at Yarmouth, but generally the day was dull, with a good deal of fog. Temperature did not exceed 50° on the North of Scotland, but reached 69° at Kew Observatory.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR Monday, 21st MAY, ... UP TO 17 H.

	STATIONS.	Sunshine for 20h	Rainfall. Night. 17h-9h.	Rainfall. Day. 9h-17h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 17 h. 21st
			Mm.	Mm.	°F.	°F.			Hr.
Scotland.	Oban	3.6	1	3	58	51	r	o	0.0
	Banff	4.0	–	–	52	44	c.bc	c.c	1.3
	Montrose	1.2	–	–	52	37	bc	o	2.7
	St. Andrews	*	–	–	50	43	c	o	2.8
	Carnoustie	*	*	*	52	45	c.b	b.og	4.1
Eng. N.E.	Harrogate	1.5	–	–	58	46	c.bc.c	c.o	0.7
	Skegness	2.2	–	–	55	49	bc.o	o	5.0
Eng. N.W.	Morecambe								
	Southport	1.3	3	6	61	52	or.o	r.c.o	0.4
Midlands.	Leamington Spa								
	Malvern	*	24	–	65	53	c	c	0.2
	Ross-on-Wye	*	20	Trace	68	58	or	cm	0.1
Wales.	Rhyl	3.0	4	1	62	51	or	op	0.0
	Colwyn Bay	*	*	*	61	52	cp	cp.o	0.0
	Llandudno	*	*	*	59	50	o	op	0.0
	Aberystwyth	*	*	*	67	49	or.c	c.o	0.7
England, E.	Lowestoft	*	–	–	56	46	bc	c.o	6.1
	Felixstowe	7.0	*	–	56	52	bc.c	o	3.0
	Walton-on-Naze		–	–	56	52	bc.g.bc	bc.c.bc	2.9
	Southend-on-Sea	2.6	9	1	66	54	o	or.c	1.5
England, S.E.	Margate		Trace	–	69	51	c	c	0.7
	Hastings	3.7	35	–	62	54	tr.c	bc.o	1.5
	Eastbourne	5.6	14	1	59	54	or.bc	o.c	1.5
	Seaford				66	51	o	c	2.4
	Brighton								
	Worthing	3.7	8	–	60	54	c	o	0.9
	Littlehampton				59	51	om	o	0.8
	Bognor								
	Bournemouth	4.0	7	–	57	?	o	o	0.0
England, S.W.	Weymouth	*	*	*	56	52	c.bc	om	0.0
	Torquay		13	–	61	52	om	o.c.bc	3.0
	Paignton								
	Penzance		19	–	62	54	or.bc	bc.b	4.5
	Newquay	*	19	2	58	51	r	rd.b	2.3
	Bude	*	7	–	62	53	c	c	2.0
	Ilfracombe	*	12	–	64	45	c.bc	c.bc	1.4
	Weston-s-Mare		9	–	62	56	o.bc	c	0.5

REPORTS FROM FOREIGN STATIONS FOR Monday, 21st MAY.

	STATIONS.	Evening of 20th. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	Morning of 21st. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					‡	°F.	°F.					°F	°F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel	1014.7	27	NNE	6	bc	1021.0	+4	23		N	4	o	–	*	21
	Gorki	1009.3	46	N	1	b	1016.4		30	-18	N	6	b	–	*	27
	Velieki Luki						1020.4	*	30	-18	NW	4	S	1	*	25
	Hangö	1026.7	36	NNE	2	b	1031.4		32		NNW	3	b	–	*	28
	Riga	?1010.6	37	NE	5	b	1029.2	+2	37	-9	NE	3	b	–	*	32
	Petrograd	1016.4	28	NW	4	S	1024.4	+3	30	-6	ENE	4	S	–	39	28
	Moscow	1009.2	39	–	0	o	1010.0	+1	28	-18	NW	3	S	1	*	27
	Kiev	1006.4	55	W	2	o	1011.1	+6	41	-9	N	5	bc	4	*	41
	Kharkov	1013.6	54	SW	2	o	1004.2	-4	48		SW	2	o	8	*	48
	Kishinev						1006.1	-1	68		NW	5	b	–	*	?
	Elisabetgrad	1009.7	59	SSW	3	o	1006.0	-2	?		WNW	?	?	–	*	54
	Nicolaiev	1013.0	57	SSW	4	bc	1007.5	*	57	+3	SW	3	b	–	*	48
	Odessa	1012.2	54	WSW	4	b	1007.1	-3	54	+5	WNW	4	b	–	*	54
	Tarkhankout							*							*	
	Soukhoum														*	
Mediterranean.	Venice	1009.9	68	–	o	c	1007.1	*	64	-2	ENE	1	c	?	72	63
	Pesaro						1006.3	*	63	-3	W	2	o	–	73	61
	Rome	1007.9	68	–	o	o	1003.7	*	64	o	N	1	o	–	75	61
	Viesti	1009.0	66	NNE	2	o	1006.1	*	64	o	SE	2	o	–	68	63
	Brindisi	1010.7	66	ENE	4	c	1007.7	*	63	+2	SE	3	o	–	75	66
	Cagliari	1005.9	64	NNW	4	r	999.8	*	59	-4	W	6	r	63	66	48
	Palermo	1003.8	68	–	o	b	1004.2	*	63	-5	ENE	4	c	–	73	57
	Tripoli						1010.1	*	64	-13	W	1	b	–	91	59
	Algiers	1008.8	63	WNW	5	c	1011.0	+3	64	+3	SW	5	bc	–	72	59
Sweden.	Hernösand	1032.2	50	–	0	b	1028.7	*	37	-15	S	4	b	*	*	*
	Stockholm	?	50	NNE	6	b	1034.0	*	37	-27	W	2	b	*	*	*
	Wisby	1024.8	50	NNE	6	b	1031.7	*	41	-14	N	2	b	*	*	*

Iceland.	Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather
		°F	°F			
Isafjord	1011.9	41	0	E	4	f
Reykjavík	1006.6	46	+1	E	3	r
Vestmanna						
Seydisfjord	1008.3	46	+3	–	0	c
Thorshavn	1014.5	49	+5	SE	2	m

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

22nd and 23rd May, 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.49 / 3.48	11.49 / 11.49	7.49 / 7.50
Greenwich	4.1 / 4.0	11.56 / 11.56	7.51 / 7.52
Wick	3.34 / 3.32	12.8 / 12.8	8.43 / 8.45
Valencia	4.40 / 4.39	12.37 / 12.37	8.34 / 8.36

Note.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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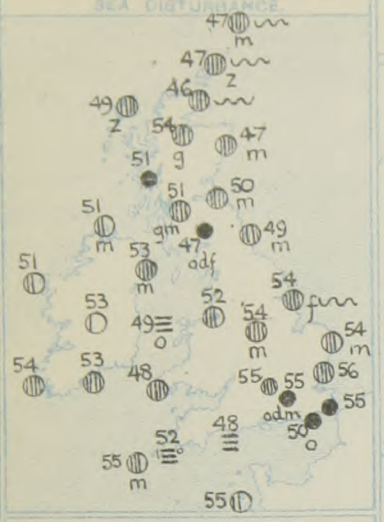
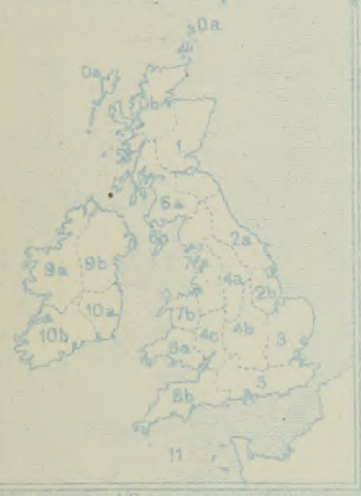
THE MORNING OF TUESDAY, 22nd MAY, 1917.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.



FORECAST DISTRICTS.



GENERAL INFERENCE

Quieter conditions are likely to prevail over this country for the coming 24 hours.

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.

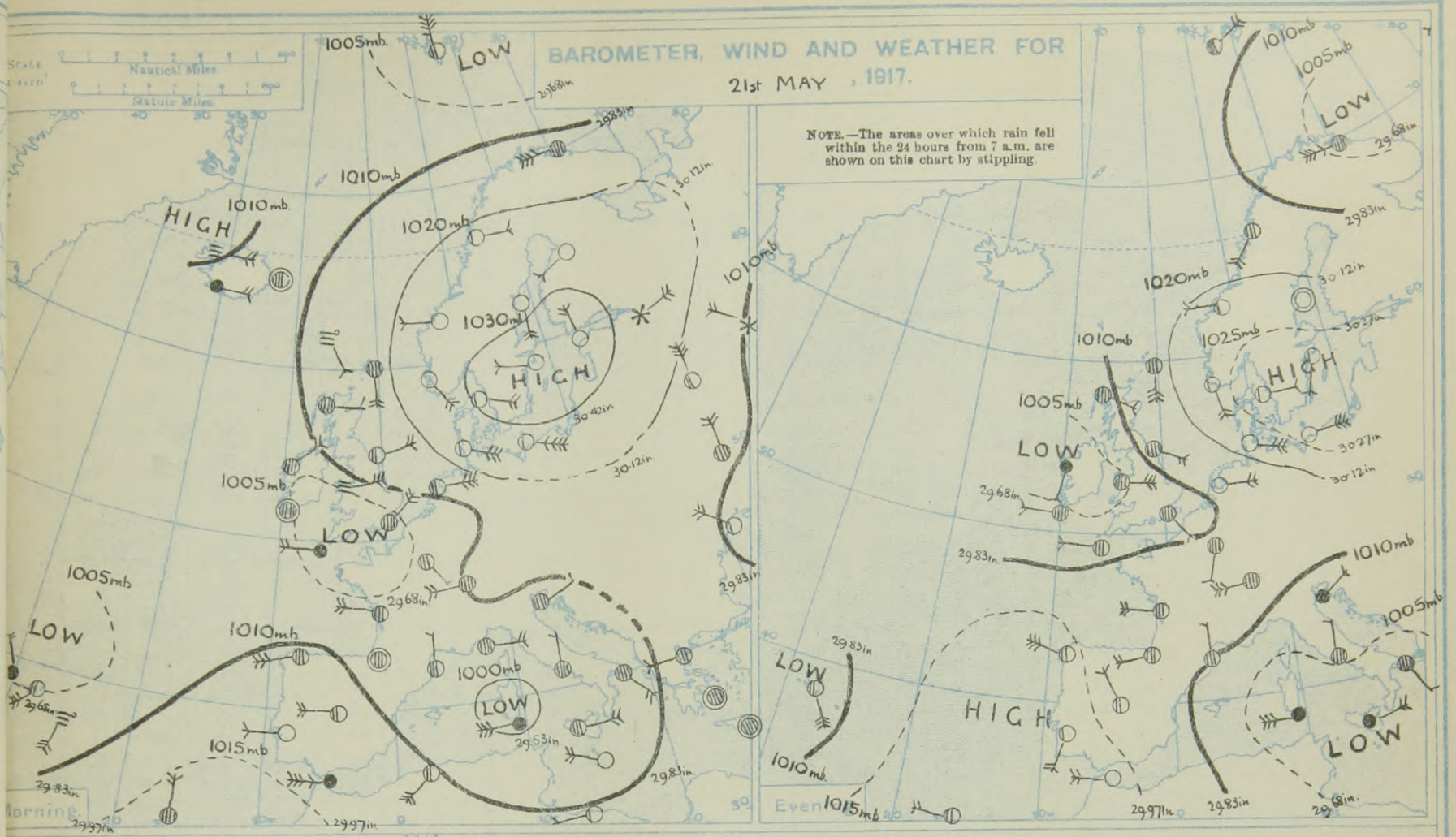
WEATHER.—Shown by the following symbols :—
◯ clear sky. ◐ sky ¼ clouded. ◑ sky ½ clouded.
◕ sky ¾ clouded. ● overcast sky ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤ thunder.
⊼, thunderstorm.

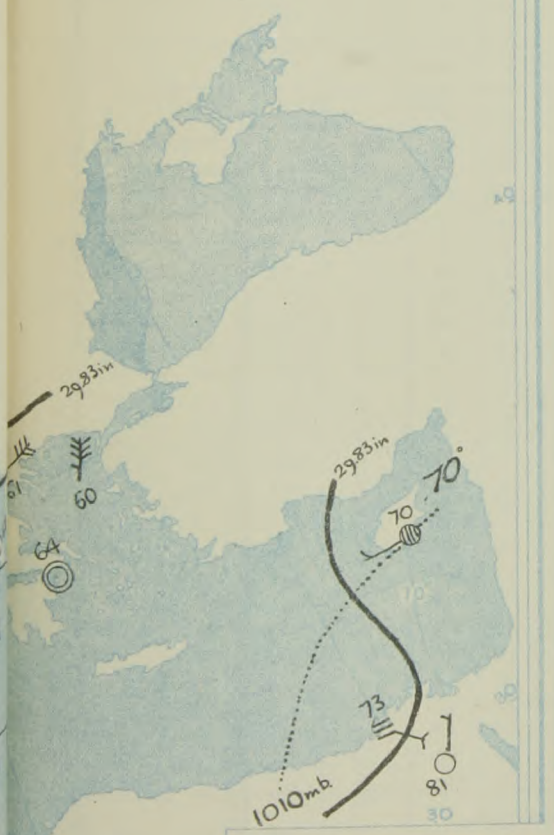
SEA DISTURBANCE.—Rough ~~. High ~~.

Scale 1:2·10⁷
Nautical Miles 0 1 2 3 4 500
Statute Miles 0 1 2 3 4 500

Normal Temperature of the Sea.
Below 40° | 40-50 | 50-60 | Above 60°
Scale of Tints for MAY.

HIGH 1015mb
1010mb
1015mb
40°
1020mb
50°
1025mb
Barometer falling
HIGH
1005mb
40°
1005mb
LOW
Barometer
50°
1010mb
1015mb
29·68in.
30·27in.
30·12in.
29·97in.
rising
1010mb
1015mb
generally HIGH
1005mb
LOW
60°
1005mb
LOW
29·48in.
29·83in.
29·97in.
1010mb 60°
1015mb





FORECASTS NOON TUESDAY TO NOON WEDNESDAY

0 a, b, 1 — Moderate to light S. winds; fair, some showers. Moderate temperature.

2 a, b, 3, 4 a, b, c, 5 — Light indefinite airs; fair, coast mist. Moderate temperature, warm in day.

6 a, b, 7 a, b, 8 a, b, 9 a, b, 10 a, b — Light or moderate SW. winds; fair, some showers; moderate temperature.

Light S. or SW. winds, freshening later; fair; moderate temperature.

11 — Light winds between SW. and S, freshening later; moderate sea; fair at first; some rain later.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 142. Tuesday 22nd MAY.

	STATIONS.	EVENING OF 21ST: Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12.	Weather.	MORNING OF 22nd: Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	24 HOURS ENDED 7 A.M. 22nd: Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for 21st.
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1018·1	45	S	5	cm	1010·6	−1	47	−1	S	6	—	om	5	—	49	45	cm	cm	omq	*
	Deerness (Orkney)	1014·5	46	SE	7	z	1007·8	*	47	−1	SE	5	—	oz	5	—	49	44	o	o.cz	oz	3·3
	Stornoway ...	1007·8	53	ESE	2	op	1004·9	0	49	0	SSE	1	—	oz	0	2	55	47	op	op	opz	0·0
	Castlebay (Barra Isd.)																					
	Glasgow ...	1009·1	46	NE	5	o	1009·2	+1	51	+5	S	2	—	omq	*	2	51	44	op.cq	oq	omp	0·0
	Eskdalemuir ...	1009·9	48	ENE	5	oug	1011·1	+2	47	0	S	4	—	odf	*	4	57	45	o.c.o	om.o.oq	or.odf	0·6
	Malin Head ...	1004·1	49	E	4	omr	1006·9	+5	51	+4	SW	3	W	bcm	2	4	51	46	omr	omr	bcm	0·0
	Blacksod Point	1001·3	53	SSW	2	ofr	1007·5	+3	51	−1	SSW	3	SW	bc	2	11	55	49	ofr	ofr	ofr.bc	*
	Valencia (Cahirciveen)	1005·6	54	W	2	o	1008·6	0	54	+5	SSE	3	—	o	3	1	54	48	or	op	o.c.bc.c	0·1
	Roche's Point	1004·5	59	WNW	2	c	1011·0	*	53	0	SW	3	—	o	3	11	60	50	rf.rm	r.o.c	bc	*
	Birr Castle ...	1001·3	56	SE	1	r	1010·5	*	53	−1	S	1	SW	b	*	12	61	48	or	or	o.c.b	0·0
	Donaghadee ...	1005·3	48	ESE	4	ofr	1009·3	+5	53	+7	SW	3	—	om	2	10	53	46	ofr	ofr	ofd.om	*
	Liverpool (Bidston)	1005·4	58	E	4	o	1012·3	+3	52	−4	SSW	1	SW	c	1	8	60	50	ort	op	o.c	0·1
	Holyhead ...	1003·4	57	E	5	omq	1011·6	+3	49	−5	SSW	4	—	of	3	3	59	47	o.orm	or.om	of	0·0
	Pembroke (St. Ann's)	1006·2	51	S	4	c	1012·5	+3	48	−9	S	3	—	o	3	Trace	59	48	o	opp	o	0·9
	Scilly (St. Mary's)	1008·6	55	W	2	cm	1012·0	+1	55	+3	S	1	SE	cm	3	4	59	49	fr.cm	bcm.cm	bc.cfe	5·0
	Falmouth ...	1008·4	58	WSW	2	b	1012·8	+2	52	0	SE	1	—	m	*	2	62	49	or.o.c	bc.b	b.om	2·8
	Jersey (St. Aubin)	1010·1	57	SW	3	ogp	1013·0	*	55	+2	S	2	S	bc	1	1	62	51	mc.odp	o.bc.og	o.bc	1·8
	Portland Bill ...	1007·6	49	WSW	4	f	1013·0	+2	49	−2	—	0	—	f	2	—	53	47	oe	of	f	*
	Dungeness ...	1008·8	58	SW	3	o	1013·4	+2	50	−7	SW	1	—	or	2	2	61	48	cp.c	bc.o	of.f.op	*
	Dover	1008·4	58	SW	4	c	1013·3	?	55	−7	—	0	—	r	2	13	61	50	c.bc.c	c.bc	omr	3·5
	Wick	1014·4	45	SSE	5	m	1007·6	−3	46	0	SE	4	—	o	5	—	49	44	omq	omq	omq	*
	Nairn	1010·2	54	E	2	om	1006·9	*	54	+8	S	1	—	og	1	0·2	58	45	ogm	cg.om	omw	0·0
	Aberdeen ...	1015·3	47	SE	3	om	1009·9	−1	47	−2	SSE	2	—	om	4	3	52	43	bcm	cm.om	cm.orm	2·4
	Leith	1009·9	48	E	3	o	1008·6	0	50	+4	—	0	—	om	3	—	55	45	o.c.og	o	or.om.o	*
	Tynemouth ...	1011·3	47	ESE	3	om	1010·6	0	49	−1	ESE	1	—	om	4	—	51	46	bc mq	om	om	*
	Spurn Head ...	1009·3	51	SE	6	ogm	1012·1	+2	54	+3	W	1	—	of	5	—	55	50	cq	cq	om	4·6
	Yarmouth (Gorleston)	1010·1	52	SSE	2	op	1012·7	+2	54	+2	SSW	1	—	cm	3	1	55	51	bcm	bcm.op	op.om	8·0
	Clacton-on-Sea	1009·0	58	ESE	1	c	1013·8	+2	56	+1	WSW	2	—	o	1	0·3	58	53	bc.c.og	og.c	bc.ogd	3·0
	Nottingham ...	1007·3	63	ESE	2	c	1012·8	*	54	+1	WSW	2	SW	om	*	1	64	53	c.ot	op.c	op.c	1·7
	Benson (Oxon.) ...	1006·9	62	S	3	bc	1012·9	+2	55	−4	SW	1	—	o	*	0·2	68	53	o	bc	o	*
	Sth Farnborough	1007·8	60	S	2	o	1013·0	+2	52	−7	WSW	2	—	om	*	1	67	51	r.o	o.c.o	om	0·7
	London (Kew Obsy.)	1008·5	63	SSE	2	ov	1014·0	+3	55	−4	SW	1	—	omd	*	4	69	53	om.omr.om	o.c.ov.cv.ov	ov.o.omd	2·1
NORTHERN EUROPE.	Spitsbergen ...	1011·8	14	NE	4	c	1015·3	0	14	−2	S	1	*	c	*	*	18	7				
	Vardö	1003·0	30	W	8	o	1012·6	+5	25	−5	NW	9	—	s	5	*	34	21				
	Bodö	1018·0	41	SW	4	c	1016·0	−1	41	+4	SW	4	—	r	2	?	48	36				
	Christiansund ...	1023·8	48	W	2	b	1019·4	−2	50	−4	SE	1	W	b	3	—	54	43				
	Skudesnaes ..	1023·5	50	SSE	4	b	1020·0	−3	52	0	SE	4	E	b	3	—	52	43				
	Færder (X'tania Fjord)	1028·6	48	WSW	1	b	1026·4	−2	50	+9	S	2	—	b	1	—	50	39				
	The Scaw (Skagen)	1027·7	46	E	2	b	1026·0	−2	50	+9	SSE	3	—	b	3	—	50	41				
	Blaavands Huk	1022·9	52	ESE	5	b	1022·3	−1	54	+9	SSE	5	—	b	?	—	57	39				
	Copenhagen ...	1028·0	46	E	4	b	1027·1	−1	48	+7	SSE	3	—	b	*	—	50	39				
	Bornholm ...	1028·4	37	E	6	b	1027·9	0	48	+11	SW	1	—	b	0	—	48	46				
FRANCE, &c.	The Helder ...	1011·8	68	E	4	b	1014·3	+2	55	+3	SE	4	—	b	2	—	70	52				
	C. Gris Nez ...	1010·7	54	SW	3	o	1014·1	+2	54	−5	SSW	1	*	r	1	7	68	50				
	La Hève	1010·6	62	SW	1	o	1012·6	*	55		S	1	*	o	1	—	64	55				
	Brest (St. Mathieu)	1010·9	58	SW	1	o	1014·3	+2	60	+5	S	1	*	c	3	14	64	54				
	Rochefort (Ile d'Aix)	1012·4	63	W	4	c	1016·0	+1	59	0	WSW	4	*	c	*	—	66	46				
	Biarritz	1014·7	60	WSW	3	c	1017·3	+1	60	−3	—	0	*	b	3	—	68	50				
	Paris	1010·9	64	SW	1	o	1014·6	+3	59	−2	NNE	1	—	o	*	1	75	57				
	Belfort	1010·9	59	W	6	o	1014·0	*	54	−5	E	3	*	r	*	18	71	54				
	Lyons	1010·7	60	—	0	o	1014·4	*	57	+2	NW	1	*	r	*	2	62	55				
	Nice												*									
	Perpignan ...	1010·0	70	N	1	c	1014·9	+3	59	−4	WNW	3	—	o	*	—	75	57				
	Sanguinaire ...	1003·9	65	SE	3	r	1009·2	*	61	+1	E	1	*	c	3	6	68	54				
SOUTHERN STATIONS.	Corunna	1015·0	63	WNW	6	bc	1015·3	−1	60	−2	S	6	*	b	2	?	64	52				
	Madrid	1011·3	66	NW	2	bc	1017·6	+2	55	0	SE	1	—	b	*	—	70	46				
	Lisbon	1016·6	64	SSW	3	b	1016·8	0	57	0	SSE	1	—	b	5	—	66	55				
	Azores (Horta) ...	1009·4	*	WSW	6	bc	1004·3	−1	43	−16	SW	8	*	o	5	—	64	59				
	Madeira	1019·0	66	W	3	bc	1017·5	−1	64	+5	W	3	—	r	3	1	68	64				
	Gibraltar	1017·9	60	W	4	b	1018·3	*	59	−2	NW	4	*	m	2	—	72	58				
	Malta	*	*	*	*	*	1009·7	+2	63	0	WNW	5	—	c	3	Trace	70	61				
	Limassol	*	*	*	*	*	1011·9	+1	70	−3	W	1	—	o	5	—	82	55				
	Alexandria ...	1010·1	73	NNE	2	c	1010·0	+1	73	+5	SE	2	—	f	1	—	88	66				
	Cairo (Helwan) ...	1010·9	82	N	2	b	1010·0	+3	81	+9	NE	1	—	b	*	—	90	66				

LONDON OBSERVATIONS.

	Humidity. 15 h. 21st	Humidity. 9 h. 22nd	Sunshine for 21st	24 Hours ended 9 h. 22nd: Temperature. Max.	Temp. Min.	Temp. Min. on Grass.	Rainfall.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	75	82	3·1	71	52	49	1	o	op.o	c.od.op
CITY (Bunhill Row)	*	*	1·6	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	66	85	1·4	70	54	52	Trace	op.bc	bc	bcr.bc
CAMDEN SQ. (British Rainfall) ..	62	84	2·7	71	53	51	1	o	or.bc	*
HAMPSTEAD (Reservoir)	*	95	2·1	67	50	44	1	op.c	o	omp
S. KENSINGTON (Museum Grounds)	*	81	1·5	64	54	51	Trace	o.od.o	o.c	o

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during 21st

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
895	15·7	73·5

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

RAINFALL

Equivalents of Millimetres in Inches.

mm.	Inches.	mm.	Inches.
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·10
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69
19	0·75	44	1·73
20	0·79	45	1·77
21	0·83	46	1·81
22	0·87	47	1·85
23	0·91	48	1·89
24	0·95	49	1·93
25	0·98	50	1·97

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

Issue No. 20271. **DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917.** Wednesday, 23rd MAY.

YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON Tuesday, 22nd MAY, 1917.

The day was generally fair, with little rain, but no large sunshine measurements. Temperature touched 70° in the south-east of the country and at Ross-on-Wye, but did not rise above 60° in other districts.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR Tuesday, 22nd MAY UP TO 17 H.

	STATIONS.	Sunshine for 21st	Rainfall. Night. 17h-9h.	Rainfall. Day. 9h-17h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 17 h. 22nd
			Mm.	Mm.	°F.	°F.			Hr.
Scotland.	Oban	0·0	2	–	57	51	od	od	0·0
	Banff	1·3	–	–	65	44	o. c	c. o	0·4
	Montrose	2·7	–	–	61	41	bc	o	0·1
	St. Andrews	*	*	*	61	47	c. b. o	o. bg	0·4
Eng. N.E.	Harrogate	0·7	–	–	65	48	o. c	bc	3·6
	Skegness	5·0	Trace	–	61	52	od	bc	1·7
Eng. N.W.	Morecambe	*	1	–	60	51	–	–	3·0
	Southport	0·4	–	–	60	51	o. c. bc	bc. b	3·7
Midlands.	Leamington Spa								
	Malvern								
	Ross-on-Wye	0·1	Trace	–	70	47	bcm	bc	5·7
Wales.	Rhyl	0·0	–	–	59	50	c. bc	c. bc	3·6
	Colwyn Bay	*	*	*	56	51	c	bc	?
	Llandudno	*	*	*	58	48	c	c	2·5
	Aberystwyth	*	*	*	59	51	o. c	bc. o	2·5
England. E.	Lowestoft	6·1	Trace	1	59	51	or	or	0·0
	Felixstowe	3·0	Trace	Trace	60	51	omp	cm	0·0
	Walton-on-Naze	2·9	Trace	Trace	58	52	od. bc	c. bc	0·0
	Southend-on-Sea	1·5	–	–	67	53	o. cr	o. c	2·7
England, S.E.	Margate	0·7	1	–	62	54	o	o	0·0
	Hastings	1·5	Trace	–	62	49	bc. od. c	b. bc	3·7
	Eastbourne	1·5	–	–	59	50	o. bc	bc	5·0
	Seaford				66	48	r	o	4·7
	Brighton		3	–	61	49	c	c	5·6
	Worthing	0·9	–	–	61	49	c. bc	bc. b	3·5
	Littlehampton								
	Bognor								
	Bournemouth	0·5	–	–	60	49	f	bf	6·0
England, S.W.	Weymouth		*	*	59	49	om. bc	bf. o. c	3·0
	Torquay	5·0	–	–	57	50	o. c	c. om	2·4
	Paignton								
	Penzance	6·2	–	–	57	52	of	of	0·0
	Newquay	4·0	–	–	60	49	c. b	b	6·0
	Bude	2·0	–	–	63	50	bc	bc	2·7
	Ilfracombe	2·2	–	Trace	56	49	o. c	cr	0·3
	Weston-s-Mare	0·5	–	–	64	50	bc. b	b. bc	7·0

REPORTS FROM FOREIGN STATIONS FOR Tuesday, 22nd MAY.

	STATIONS.	Evening of 21st: Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	Morning of 22nd: Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					‡	°F.	°F.					°F	°F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel	1017·3	25	ESE	2	c									*	
	Gorki	1023·1	32	NW	3	b	1016·4		32	+2	NW	5	b	–	*	30
	Velieki Luki	1017·5	30	NNW	4	bc	1019·8	*	39	-1	W	3	b	–	*	27
	Hangö	1026·4	36	WSW	2	b	1020·6	-2	43	+11	S	2	bc	–	*	28
	Riga	1028·7	37	SW	1	b	?	-3	43	+6	–	0	b	–	*	32
	Petrograd	1023·9	37	WNW	2	b	1018·6	-4	39	+9	W	2	0	–	41	28
	Moscow	1010·4	37	N	4	c	1002·2	-6	34	+6	NNW	7	0	2	*	28
	Kiev	1020·7	34	NW	3	b	1020·7	+1	35	-6	NW	3	b	·1	*	28
	Kharkov	1011·5	32	WNW	2	b									*	
	Kishinev														*	
	Elisabetgrad	1019·5	48	NNW	4	b									*	
	Nicolaiev							*							*	
	Odessa	1020·3	43	NE	6	0									*	
	Tarkhankout							*							*	
	Soukhoum														*	
Mediterranean.	Venice	1004·1	63	NE	2	r	1012·9	*	61	-3	ESE	3	b	1	72	54
	Pesaro	1006·7	66	NE	1	0	1012·3	*	59	-4	NNE	4	0	1	70	57
	Rome	1005·3	61	N	1	0	1005·4	*	64	0	N	1	b	15	68	57
	Viesti	1003·5	64	SSE	2	0	1005·5	*	63	-1	WNW	1	0	1	70	50
	Brindisi	1004·5	63	SE	1	0	1005·3	*	68	+5	SW	1	bc	3	72	61
	Cagliari	1003·7	63	W	6	r	1007·7	*	59	0	W	5	r	18	66	50
	Palermo	1002·5	63	ENE	4	r	1001·1	*	59	-4	SW	5	r	11	68	55
	Tripoli							*								
	Algiers	1013·5	63	WNW	4	b	1015·4	+2	64	0	NE	1	b	0	78	54
Sweden.	Hernösand	1020·4	46	–	0	b	1020·4	*	56	+18	W	2	c	*	*	*
	Stockholm	1026·7	50	SSW	2	b	1024·0	*	52	+15	WSW	2	bc	*	*	*
	Wisby	1026·7	43	SW	2	b	1024·2	*	43	+2	SW	2	b	*	*	*

Morning of 22nd: Iceland.	Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather
		°F	°F			
Isafjord	1006·1	39	-2	E	3	r
Reykjavik	1002·6	48	+2	SE	3	0
Vestmanna						
Seydisfjord	1007·0	41	-5	–	0	f
Thorshavn	1005·0	45	-4	–	0	m

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

23rd and 24th May, 1917.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	3.43 3.47	11.49 11.50	7.50 7.52
Greenwich	4.0 3.59	11.56 11.57	7.52 7.54
Wick	3.32 3.30	12.8 12.9	8.45 8.47
Valencia	4.39 4.38	12.37 12.38	8.36 8.38

Note.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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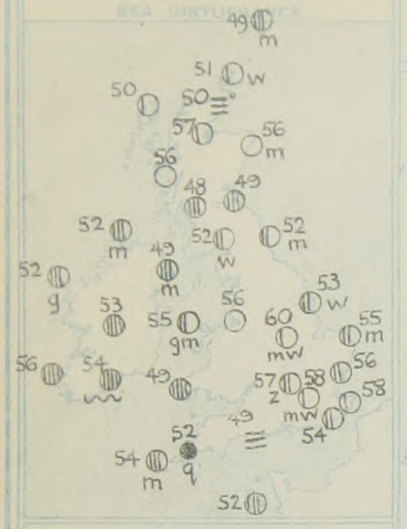
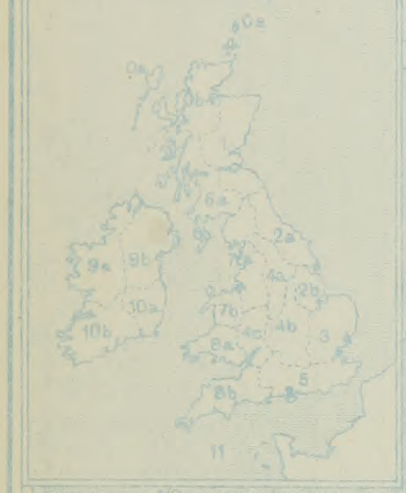
‡ The barometric change is expressed in half-millibars.

THE MORNING OF WEDNESDAY, 23rd MAY, 1917.

TEMPERATURE, WEATHER AND SEA DISTURBANCE



FORECAST DISTRICTS.



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 ◯

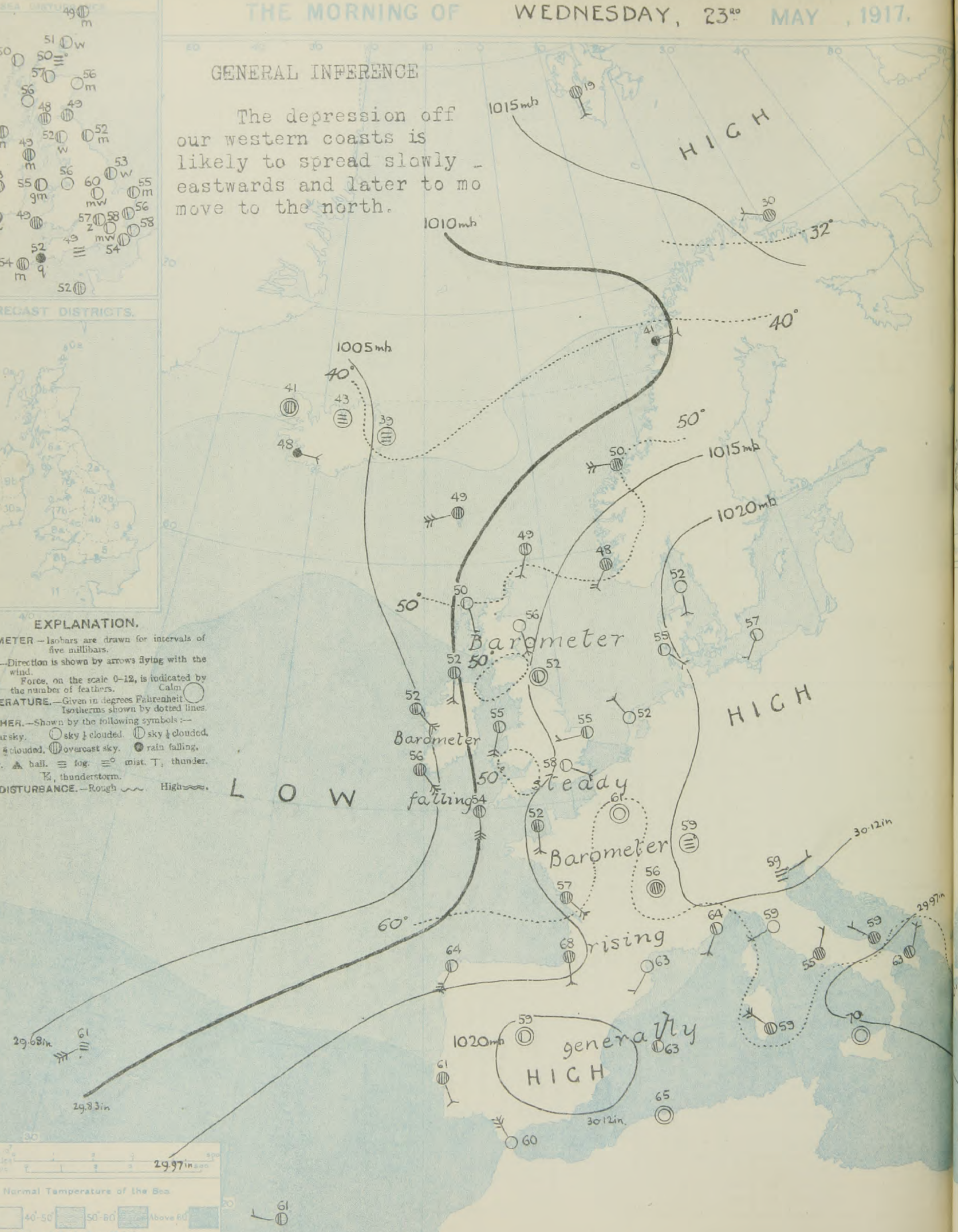
TEMPERATURE.—Given in degrees Fahrenheit. Isotherms shown by dotted lines.

WEATHER.—Shown by the following symbols :—
◯ clear sky. ◔ sky ¼ clouded. ◑ sky ½ clouded. ◕ sky ¾ clouded. ● overcast sky. ● rain falling.
✕ snow. ▲ hail. ≡ fog. ≡° mist. ⊤ thunder. ⊼ thunderstorm.

SEA DISTURBANCE.—Rough ~~~. High ≈≈.

GENERAL INFERENCE

The depression off our western coasts is likely to spread slowly eastwards and later to move to the north.

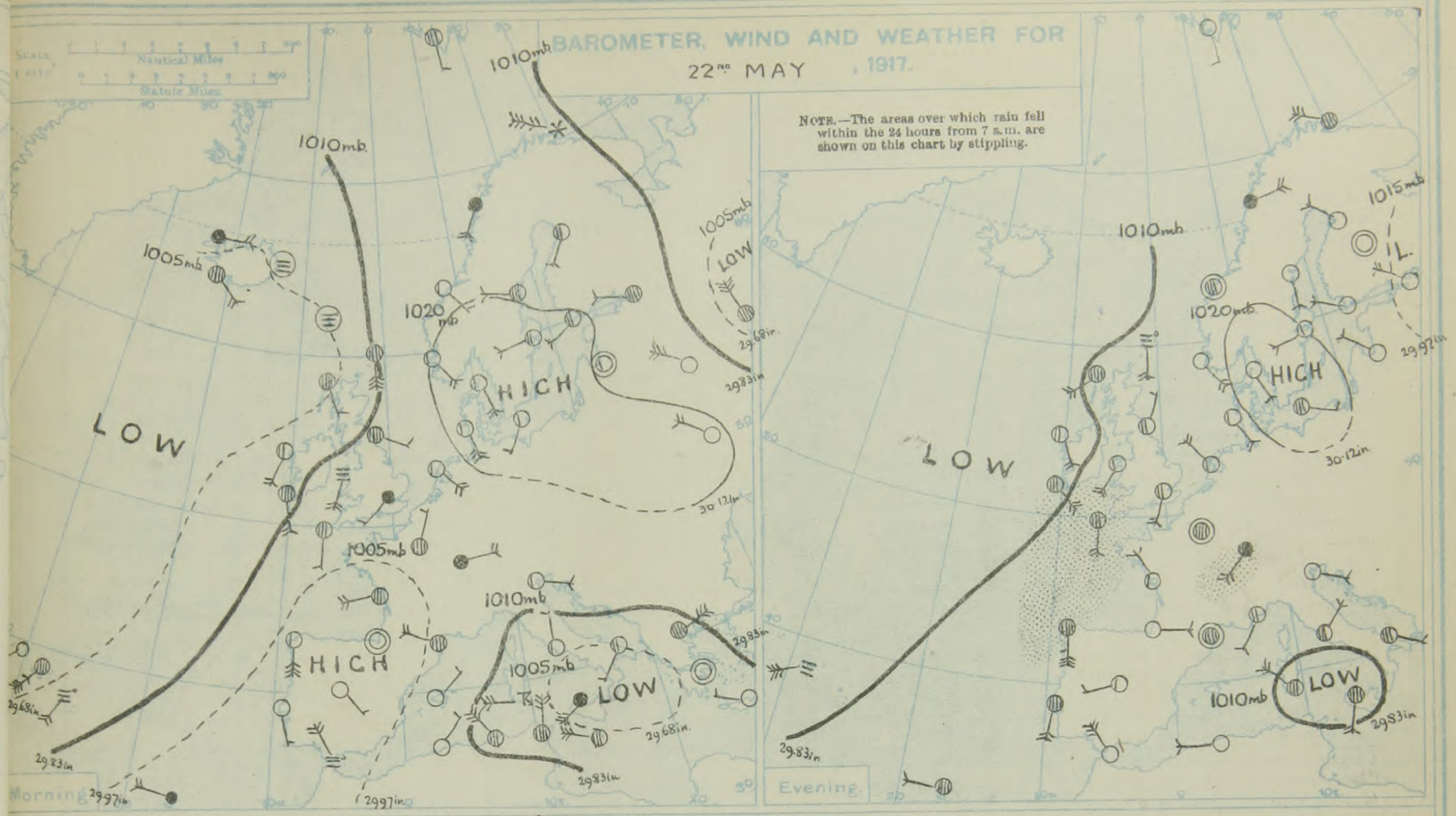


Scale 1:22·10⁶
Nautical Miles
Statute Miles

Normal Temperature of the Sea

Below 40° | 40°-50° | 50°-60° | Above 60°

Scale of Tints for MAY.



Forecasts 6 p.m. Wednesday to 6 p.m. Thursday

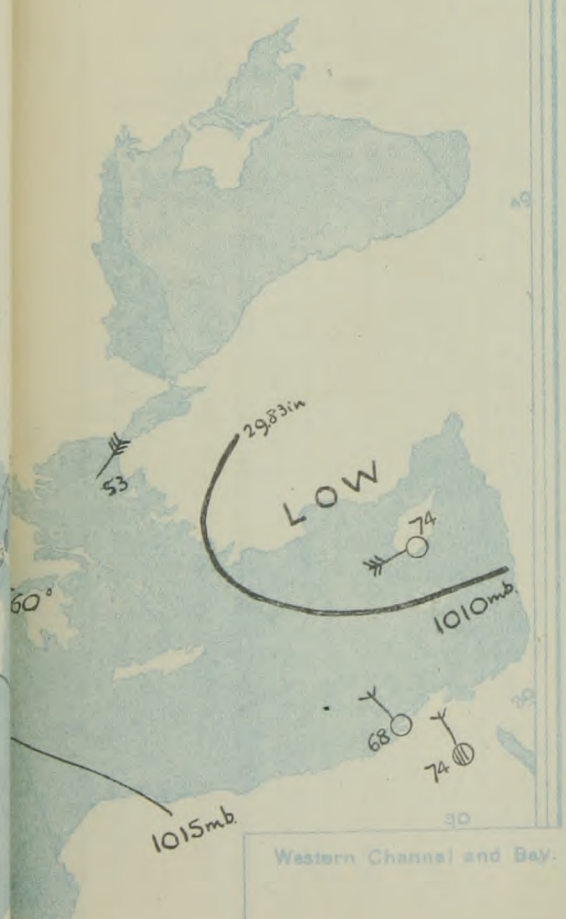
0 (a, b), 1 — Wind becoming moderate between SE. and S. Fair, some showers. Moderate temperature.

2 (a, b), 3, 4 (a, b, c), 5 — Moderate S. winds; fair weather; moderate temperature; rather warm in day.

6 (a, b) — Wind becoming moderate or fresh between SE. and S; cloudy, some rain. Moderate temperature.

7 (a, b), 8 (a, b), 9 (a, b), 10 (a, b) — Fresh or strong S. to SW. winds; cloudy, some showers; moderate temperature.

11 — Fresh or strong S. or SW. winds; rather rough sea; cloudy.



Western Channel and Bay.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 143. {Wednesday. 23rd MAY

	STATIONS.	EVENING OF 22nd					MORNING OF 23rd									24 HOURS ENDED 7 A.M. 23rd					Sunshine for 22nd
		Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Hours.
			°F.					‡	°F.	°F.							°F.	°F.				
BRITISH ISLANDS.	Lerwick ...	1010·3	47	S	3	m	1014·3	+1	49	+2	SSW	2	SW	cm	2	—	51	47	om	om	o.cm	*
	Deerness (Orkney)	1010·5	54	W	4	o	1013·5	*	51	+4	SE	3	SE	bw	?	—	56	47	ox	ox	o.c.bc.b	1·6
	Stornoway ...	1010·7	53	SW	4	o	1011·8	o	50	+1	SSE	1	—	b	o	—	56	43	oq	oq	o.b	0·1
	Castlebay (Barra Isd.)																					
	Glasgow ...	1013·1	55	SSW	1	omg	1014·1	−1	48	−3	E	2	S	c	*	0·2	55	42	omp.cg	omg	c.bc.bw	0·0
	Eskdalemuir ...	1014·2	53	SSW	4	c	1014·5	−1	52	+5	N	2	—	bcw	*	0·2	55	38	odf.o	-o.c	fe.bcw	1·8
	Malin Head ...	1009·4	56	SE	1	b	1009·8	o	52	+1	S	3	S	cm	2	—	56	48	c	bc	bc	2·8
	Blacksod Point	1007·6	58	SSE	3	bc	1004·1	−2	52	+1	SE	4	SE	cg	3	—	62	51	bc	bc	cg	*
	Valencia (Cahirciveen)	1007·4	59	SE	4	c	1002·7	−2	56	+2	SE	4	SE	o	3	7	60	54	op	o.c	c.o.o.c	3·0
	Roche's Point	1011·1	55	SE	4	o	1006·6	*	54	+1	SSE	4	—	o	5	3	58	53	o	od.om	or.om	*
	Birr Castle ...	1010·5	59	S	1	c	1007·6	*	53	o	SE	2	—	o	*	—	64	52	c	c	c.o	8·8
	Donaghadee ...	1011·7	54	SSW	3	bcf	1011·9	o	49	−4	SE	3	SE	cm	2	—	59	45	om	bcm	of.cm	*
	Liverpool (Bidston)	1014·1	56	NW	1	o	1013·7	o	56	+4	ESE	3	—	b	2	—	61	50	om	bc	c.b	3·0
	Holyhead ...	1013·8	56	SW	4	b	1012·2	o	55	+6	SSW	4	—	bcmg	3	Trace	58	48	of.ef.o	of.c.b.o	b.be	4·5
	Pembroke (St. Ann's)	1014·0	51	SE	3	b	1012·6	−1	49	+1	ESE	4	—	o	3	1	55	47	o.c.bc	bc.b	bc.c.or	8·8
	Scilly (St. Mary's)	1013·5	57	S	3	cm	1010·0	−1	54	−1	S	5	S	cm	4	3	60	49	bcm	bcm.cm	omr.cm	10·0
	Falmouth ...	1014·1	54	SSE	1	of	1012·1	o	52	o	SSE	5	—	rq	*	4	57	50	om.o	om.of	ofe.or	0·3
	Jersey (St. Aubin)	1014·6	62	W	2	b	1015·8	*	52	−3	S	3	—	c	2	—	64	48	bcfe.b	b	bc	8·0
	Portland Bill ...	1015·0	49	—	o	f	1015·0	o	49	o	ENE	2	—	f	3	—	52	46	f	f	f	*
	Dungeness ...	1016·1	56	SE	2	c	1015·6	o	54	+4	SE	2	SE	bc	2	1	68	49	op	o.bc	bc	*
	Dover ...	1015·8	59	—	o	c	1016·8	o	58	+3	S	1	—	b	2	0·3	62	52	r.o.c	c.bc.c	c.bc.bw	2·4
	Wick	1010·8	52	—	o	o	1013·4	+1	50	+4	S	1	—	m	3	0·1	61	45	omg.cm	c.om	omp.bm	*
	Nairn	1010·7	59	SW	2	cmp	1013·2	*	57	+3	—	0	—	b	0	—	65	43	o.bcq	bc.c	c.bcw	2·7
	Aberdeen ...	1011·9	62	SSW	1	o	1014·7	+1	56	+9	SSE	2	—	bm	2	—	63	45	bcm.om	om	cm.bc.b	2·3
	Leith	1012·8	55	SW	1	c	1014·2	o	49	−1	SSE	1	S	c	1	—	60	45	om.og.o	og.cw.c	c.bcm.c	*
	Tynemouth ...	1014·0	55	NNE	1	bcm	1015·4	o	52	+3	—	0	S	bcm	3	—	60	47	om	om	bcm	*
	Spurn Head ...	1014·3	54	SE	3	bcm	1016·7	o	53	−1	S	4	—	bcw	4	0·1	60	54	om	cm	o	1·5
	Yarmouth (Gorleston)	1015·4	55	SSW	2	c	1017·0	+1	55	+1	WSW	1	—	bcm	1	—	60	49	cm.omp	omp.cm	bcm	0·0
	Clacton-on-Sea	1015·8	59	SSE	2	c	1016·9	o	56	o	SSE	1	—	bc	o	0·2	59	51	ogpd	og.c	c.bcw	0·5
	Nottingham ...	1014·0	67	S	2	bc	1015·6	*	60	+6	SE	1	SE	bmw	*	—	69	51	o.c	bc	bc.b	6·1
	Benson (Oxon.) ...	1013·9	65	S	1	b	1014·7	o	57	+2	SE	2	—	bcz	*	—	68	46	o	bc	bc	*
	Sth Farnborough	1014·2	64	SSE	2	bc	1014·9	o	57	+5	ESE	3	—	bc	*	—	69	47	cpm.c	c.bc	o.b.of.bc	4·6
	London (Kew Obsy.)	1015·0	69	SSW	3	bcr	1016·1	+1	58	+3	ESE	2	S	bmw	*	—	70	49	omd.o	o.cr.bcr	bcr.b	6·4
NORTHERN EUROPE.	Spitsbergen ...	1015·7	14	S	1	b	1015·7	o	19	+5	S	2	*	o	*	*	16	5				
	Vardö	1016·8	25	NW	5	o	1016·2	−1	30	+5	NW	2	—	o	2	*	27	23				
	Bodö	1014·9	41	E	4	r	1009·2	−2	41	o	E	2	—	r	2	31	41	37				
	Christiansund ...	1014·3	55	—	o	c	1013·9	o	50	o	W	4	—	o	3	—	57	43				
	Skudesnaes ..	1017·6	54	SE	4	b	1017·5	+1	48	−4	SW	3	—	o	4	—	55	46				
	Færder (X'landa Fjord)	1022·1	50	S	2	b	1020·0	−1	52	+2	SW	2		b	1	—	52	46				
	The Scaw (Skagen)	1021·5	54	SSE	2	b	1020·7	−1	52	+2	S	2	—	b	2	—	55	48				
	Blaavands Huk	1018·9	63	SE	3	b	1019·3	o	55	+1	SE	2	E	b	?	—	64	41				
	Copenhagen ...	1024·0	54	SSE	2	bc	1023·0	+1	50	+2	SSE	2	—	b	*	—	55	43				
	Bornholm ...	1024·4	46	ESE	1	c	1023·4	o	57	+9	SW	1	—	b	o	—	57	45				
FRANCE, &c.	The Helder ...	1015·1	57	NW	3	b	1016·4	o	52	−3	NW	2	—	b	1	—	72	50				
	C. Gris Nez ...	1016·2	55	ENE	2	c	1017·0	+1	60	+6	SE	2	*	b	1	1	57	54				
	La Hève	1015·9	64	NE	2	bc	1016·6	*	57	+2	SE	1	*	b	o	—	70	54				
	Brest (St. Mathieu)	1016·0	59	S	3	b	1013·3	o	56	−4	SE	4	*	b	3	2	68	54				
	Rochefort (Ile d'Aix)	1016·3	58	NW	2	b	1015·7	o	57	−2	SE	3	*	o	*	—	68	54				
	Biarritz	1014·0	70	E	2	b	1014·6	+2	68	+8	S	2	*	o	2	—	72	57				
	Paris	1016·3	64	—	o	o	1018·0	+2	63	+2	—	0	SW	b	*	—	68	52				
	Belfort	1017·2	57	SW	4	r	1020·4	*	59	+5	—	0	*	m	*	3	63	54				
	Lyons	1017·2	57	—	o	r	1018·9	*	56	−1	—	0	*	o	*	2	60	52				
	Nice	1014·0	62	SW	2	bc	1018·6	+3	64		SW	2	*	bc	2	—	73	54				
	Perpignan ...	1015·7	66	—	o	o	1018·3	+2	63	+4	SW	1	—	b	*	—	77	50				
	Sanguinaire ...	*					*	*					*									
SOUTHERN STATIONS.	Corunna	1012·4	63	S	7	o	1014·1	+2	64	+4	SSW	5	—	c	3	?	66	59				
	Madrid	1015·0	68	WSW	1	b	1020·7	+2	59	+4	—	0	—	b	*	—	70	46				
	Lisbon	1016·7	63	SSW	4	o	1018·0	+2	61	+4	SSE	2	—	o	6	—	66	61				
	Azores (Horta) ...	1005·7	*	SW	6	f	1007·8	o	61	?+18	SW	6	*	f	4	—	64	61				
	Madeira	1017·1	68	W	2	o	1019·8	o	61	−3	W	1	—	bc	2	—	68	61				
	Gibraltar	1019·3	61	NW	5	b	1019·6	*	60	+1	NW	5	*	b	3	—	72	57				
	Malta	*	*	*	*	*																
	Limassol	*	*	*	*	*	1007·1	+1	74	+4	W	5	N	b	4	—	75	52				
	Alexandria ...	1011·3	66	N	3	o	1013·5	+2	68	−5	NNW	2	—	b	1	—	93	64				
	Cairo (Helwan) ...	1008·4	90	SE	2	o	1013·0	+3	74	−7	N	2	—	c	*	Trace	102	68				

RAINFALL.

Equivalents of Millimetres in Inches.

mm.	Inches.	mm.	Inches.
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·10
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69
19	0·75	44	1·73
20	0·79	45	1·77
21	0·83	46	1·81
22	0·87	47	1·85
23	0·91	48	1·89
24	0·95	49	1·93
25	0·98	50	1·97

LONDON OBSERVATIONS.

	Humidity. 15 h. 22nd	Humidity. 9 h. 23rd	Sunshine for 22nd	24 Hours ended 9 h. 23rd: Temperature. Max.	Temperature. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	64	65	5·0	71	50	40	—	c	c	c
CITY (Bunhill Row)	*	*	5·1	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	61	73	4·5	70	58	46	—	bc	bc	bc
CAMDEN SQ. (British Rainfall) ..	59	66	4·9	73	51	47	—	c.bc	bc	*
HAMPSTEAD (Reservoir)	*	70	6·4	68	51	38	—	bc	bc	bcm
S. KENSINGTON (Museum Grounds)	*	70	4·9	?	54	44	—	o.c.bc.c	c.bc	bc.b

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during 22nd

Total. Joules.	Average Rate. Milliwatts.	Max. Rate. Milliwatts.

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

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

Issue No. 20,272. DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. Thursday 24th May

YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON Wednesday, 23rd MAY. 1917.

Rain fell over most of the country, heavily in the South of Ireland. Sunshine measurements were very variable, ranging up to 12 hours at Deerness and Clacton. Temperature again toughed 70° in the south-east of England.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR Wednesday, 23rd MAY. UP TO 17 H.

	STATIONS.	Sunshine for 22nd	Rainfall. Night. 17h-9h.	Rainfall. Day. 9h-17h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 17 h. 23rd
			Mm.	Mm.	°F.	°F.			Hr.
Scotland.	Oban	0·0	–	–	64	45	b	bc. o	3·5
	Banff	0·4	–	–	67	?	b	bc	9·4
	Montrose		*	*	61	37	b	o	7·7
	St. Andrews		–	2	54	41	bc	o	5·5
	Carnoustie	*			58	48	b	bcog	7·4
Eng. N.E.	Harrogate	5·1	–	–	68	47	bcb	bbcco	6·0
	Skegness	1·7	–	–	61	53	bc	o,bc	9·1
Eng. N.W.	Morecambe								
	Southport	5·0	–	–	69	49	b,bcc	b,o,c	8·0
Midlands.	Leamington Spa								
	Malvern								
	Ross-on-Wye	5·9	–	–	66	49	c,bc	bc	2·2
Wales.	Rhyl	4·0	–	–	67	46	c,bc	bc,c,bc	6·8
	Colwyn Bay				69	48	bc	bc	5·8
	Llandudno		*	*	67	49	c	c	6·3
	Aberystwyth		*	*	65	51	o,c	c,b,o	3·0
England. E.	Lowestoft		*	*	61	51	c,bc	bc	9·0
	Felixstowe	0·0	–	–	59	48	bcmb	b,bc	10·7
	Walton-on-Naze								
	Southend-on-Sea	4·1	–	–	71	54	b3,bc	b,bc,c	4·6
England, S.E.	Margate	0·1	–	–	67	53	b	b	10·5
	Hastings	4·9	*	*	65	53	b	b	10·3
	Eastbourne	6·0	–	–	60	49	b	b,bc,o	8·4
	Seaford	5·8			67	51	b	bc	8·9
	Brighton		–	–	59	52	b	bc	7·2
	Worthing	4·3	–	–	61	51	b,bc	bc	6·0
	Littlehampton								
	Bognor								
	Bournemouth	0·2	*	*	61	48	–	–	4·0
England, S.W.	Weymouth		*	*	58	47	m,bc	bc3	2·0
	Torquay	2·4	1	–	55	46	o	c,o	0·5
	Paignton								
	Penzance	0·0	2	3	58	52	bc	o r	2·0
	Newquay	7·5	1	2	60	49	o	o,b,rq	3·7
	Bude								
	Ilfracombe	1·5	2	1	?	50	bc	bc	4·5
	Weston-s-Mare	8·8	*	*	66	48	bc	b,bc,c	1·5

REPORTS FROM FOREIGN STATIONS FOR Wednesday 23rd MAY.

	STATIONS.	Evening of 22nd: Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	Morning of 23rd: Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours. ‡	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	Rainfall. Millimetres.	Temp. Max. °F	Temp. Min. °F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel	1017·6	30	N	2	b									*	
	Gorki	1010·0	50	NW	1	o	1012·8	0	46	+14	N	1	b	–	*	–
	Velieki Luki	1010·1	48	WSW	3	b	1014·0	*	48	+9	WSW	3	o	–	*	39
	Hangö	1018·3	48	WNW	2	b	1017·3	-1	45	+2	WNW	1	r	–	*	36
	Riga	1019·5	48	NW	2	b	1019·8	0	50	+7	–	o	b	–	*	43
	Petrograd	1013·5	45	NW	3	b	1015·4	+2	48	+9	ENE	2	b	–	52	37
	Moscow	997·7	34	NNW	4	o	1000·8	+5	34	o	NNW	7	s	24	*	30
	Kiev	1017·2	43	NW	3	b									*	
	Kharkov	1013·2	43	SW	3	b	1012·6	o	46		W	2	bc	–	*	39
	Kishinev	1021·3	48	?	2	b	1019·5	+1	45		?	?	b	–	*	39
	Elisabetgrad	1019·0	43	WNW	1	b	1017·0	o	37		WNW	2	b	–	*	34
	Nicolaiev	1020·2	48	–	o	b	1019·3	*	46		WNW	2	b	–	*	34
	Odessa														*	
	Tarkhankout	1021·6	48	NW	2	b		*							*	
	Soukhoum														*	
Mediterranean.	Venice	1018·3	61	ESE	2	b	1020·3	*	59	-2	ENE	1	m	–	66	52
	Pesaro	1017·1	59	NE	4	b	1019·4	*	61	+2	W	2	bc	–	63	50
	Rome	1011·3	64	N	2	c	1016·3	*	55	-9	NE	1	o	12	73	54
	Viesti	1012·2	64	E	4	o	1016·1	*	59	-4	NW	1	o	17	68	57
	Brindisi	1011·7	63	SE	1	c	1013·4	*	63	-5	NE	2	c	–	66	61
	Cagliari	1009·0	64	NW	4	c	1015·7	*	59	o	NW	4	c	10	66	50
	Palermo	1009·9	61	SSW	3	o	1015·1	*	70	+11	–	o	b	10	66	55
	Tripoli						1018·5	*	66		W	1	b	–	72	59
	Algiers	1018·1	66	W	2	b	1019·9	+3	65	+1	–	o	b	–	75	61
Sweden.	Hernösand	1017·6	54	S	2	b	1013·3	*	54	-1	–	o	b	*	*	*
	Stockholm	1020·0	61	W	2	b	1017·7	*	46	-6	W	4	b	*	*	*
	Wisby	1020·2	52	SW	2	b	1019·5	*	52	+9	W	2	b	*	*	*

Note.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar-frost; z. dust-haze, or smoke.

‡ The barometric change is expressed in half-millibars.

ICELAND.	Morning of 23rd: Barom. Millibars at M.S.L.	Temp. Dry Bulb. °F	Temp. Change in 24 hours. °F	Wind. Direc.	Wind. Force 0–12.	Weather
Isafjord	1092·4	41	+2	–	o	o
Reykjavik	1002·6	48	o	ESE	2	r
Vestmanna						
Seydisfjord	1006·0	39	-2	–	o	f
Thorshavn	1007·7	49	+4	WSW	5	o

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

24th and 25th May, 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3·47 / 3·46	11·50 / 11·50	7·51 / 7·54
Greenwich	3·59 / 3·58	11·57 / 11·57	7·54 / 7·56
Wick	3·30 / 3·29	12·9 / 12·9	8·47 / 8·49
Valencia	4·38 / 4·37	12·38 / 12·38	8·38 / 8·39

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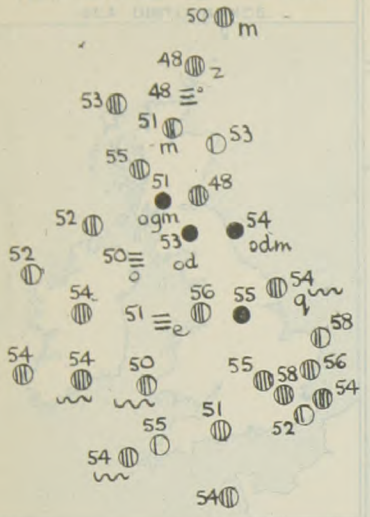
THE MORNING OF THURSDAY, 24TH MAY, 1917.

GENERAL INFERENCE

The depression off the W. of Scotland is likely to move away to the Northward.



EXPLANATION.

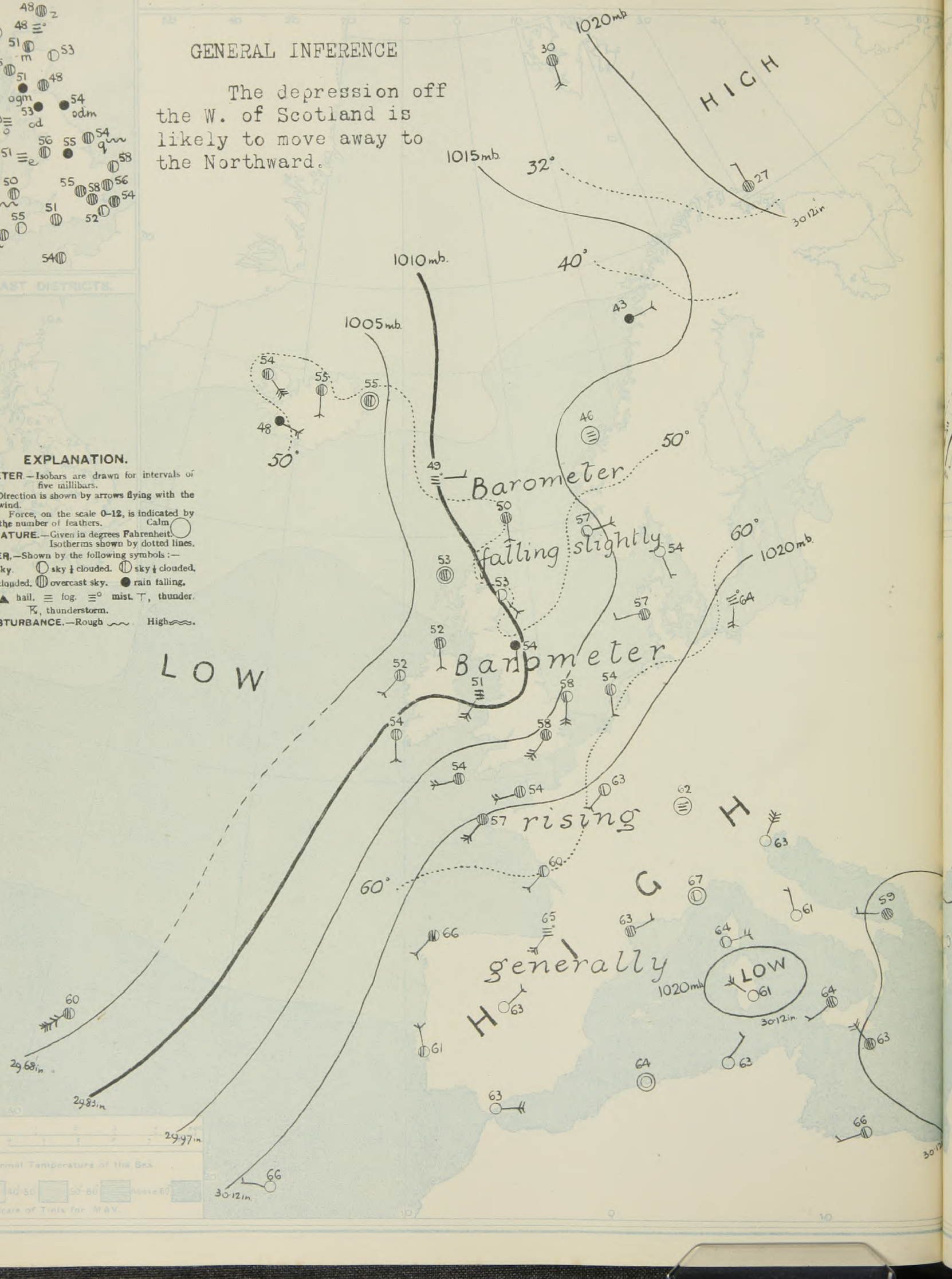
BAROMETER.—Isobars are drawn for intervals of five millibars.

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 ¼ clouded. ◑ sky ½ clouded.
◕ sky ¾ clouded. ◍ overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤, thunder. ⊼, thunderstorm.

SEA DISTURBANCE.—Rough ~~ High ≈.

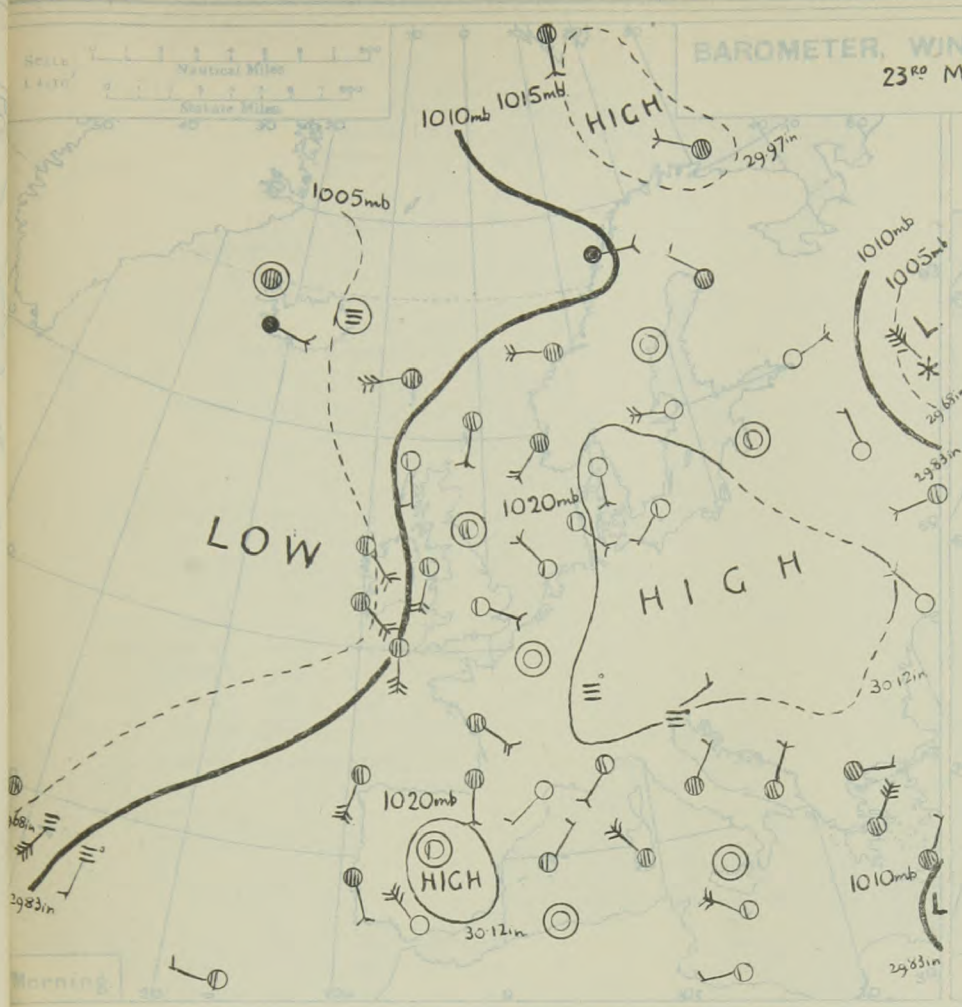


Normal Temperature of the Sea

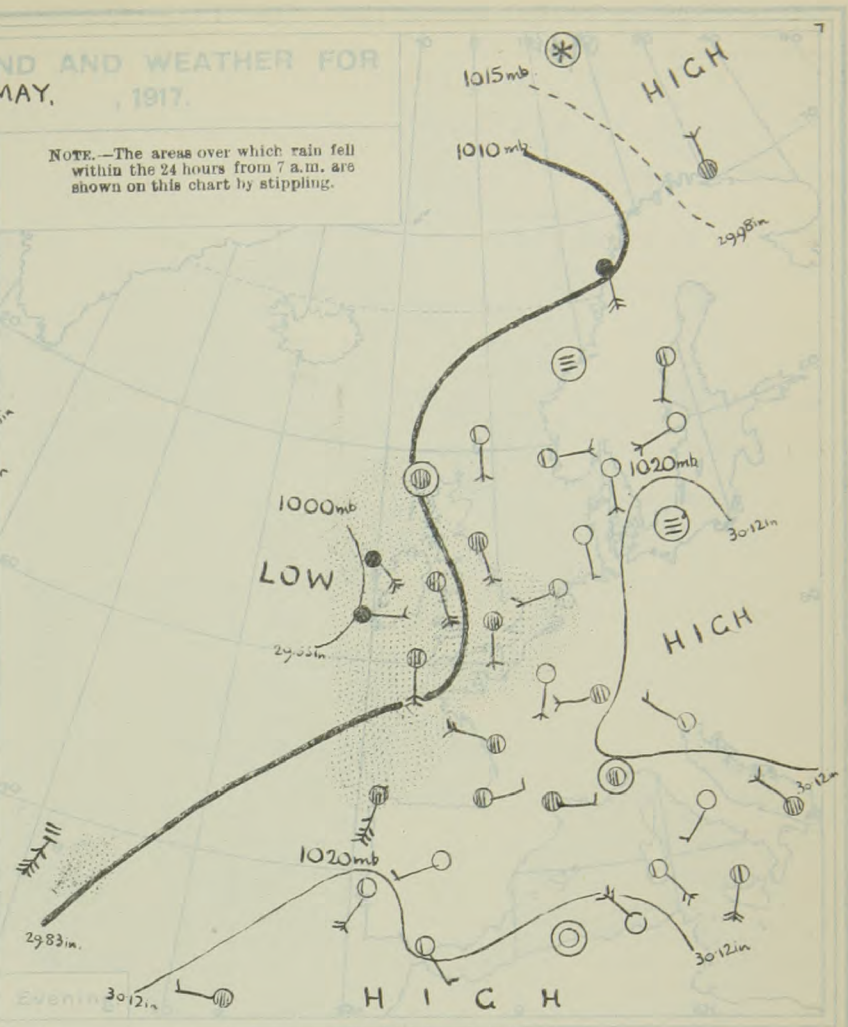
Below 40° 40° 50° 50° 60° Above 60°

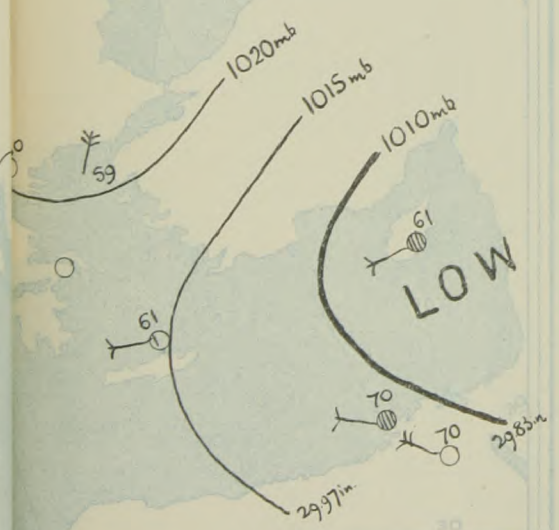
Scale of Tints for M.A.V.

BAROMETER, WIND AND WEATHER FOR 23RD MAY, 1917.



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





Forecasts 18h. Thursday to 18h. Friday

Moderate winds between SE. and SW; cloudy, some showers; moderate temperature.

Moderate SW. winds; fair some showers; moderate temperature.

Fresh SW. winds, then moderating; fair, rather warm in day.

Moderate winds between SW. and W; cloudy, some showers; moderate temperature.

Moderate winds between SW. and W; fair some showers; some coast mist; moderate temperature.

Moderate SW. winds in Western Channel, light in Bay; moderate sea; fair.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 144. Thursday 24th May.

	STATIONS	EVENING OF 23rd. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12.	Weather.	MORNING OF 24th. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	24 HOURS ENDED 7 A.M. 24th. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for 23rd.
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1014·5	50	S	2	bm	1012·9	0	50	+1	S	2	—	om	2	—	54	47	bcm	bm	om	*
	Deerness (Orkney)	1012·2	51	E	3	cf	1010·8	*	48	−3	E	3	—	oz	2	—	56	47	b.bc	bc.cf	fom	12·1
	Stornoway ...	1010·1	55	—	0	op	1008·0	0	53	13	—	0	—	c	0	1	64	45	b.bc	bc.op	bc.c	7·4
	Castlebay (Barra Isd.)																					
	Glasgow ...	1010·3	62	SSE	1	cm	1009·4	0	51	+3	E	2	—	omgr	*	2	67	48	c.bcm	c.o.cm	c.b.omr	4·5
	Eskdalemuir ...	1010·9	69	SW	1	ou	1009·2	+1	53	+1	SSE	1	—	od	*	H	64	48	bc.cz	bc.ou	ong.c.o	6·8
	Malin Head ...	1005·7	57	S	6	bcmq	1006·5	+2	52	0	S	2	S	c	2	0.1	60	46	cmq	bcmq	c	3·1
	Blacksod Point	1000·9	54	SE	H	cmr	1007·3	+5	52	0	SW	2	SW	bc	2	H	58	50	cg	cgp	cmr.cm	*
	Valencia (Cahirciveen)	1000·H	53	E	1	r	1011·0	+5	54	−2	S	2	S	c	H	19	60	51	op	opr	cp.o.c	1·0
	Roche's Point	1002·1	53	SSE	H	r	1012·5	*	54	0	WSW	3	—	o	5	16	54	51	r	rm	r.o	*
	Birr Castle ...	1002·7	56	SW	1	o	1010·2	*	54	+1	W	1	—	o	*	H	59	50	or.op	op	or.o	0·0
	Donaghadee ...	1008·H	50	SE	3	cm	1008·8	+3	50	+1	SSW	3	—	of	3	H	58	48	omq	cm	ogmp	*
	Liverpool (Bidston)	1010·1	63	SE	3	bc	1009·5	+2	56	0	SE	2	E	c	2	1	68	52	b	bc	op.c	9·2
	Holyhead ...	1008·3	60	SSE	H	cg	1009·8	+H	51	−H	SW	H	—	fe	3	6	63	50	bc.c.o	o.c.bc.o	or.cfe	2·1
	Pembroke (St. Ann's)	1007·2	52	SE	5	or	1013·3	+9	50	+1	SW	H	W	c	5	H	56	48	op.cq	cq/p.op	bc.cqr	1·3
	Scilly (St. Mary's)	1006·1	55	S	H	cm	1016·H	+6	54	0	WSW	3	W	c	5	H	57	52	cm.om	omr.cm	c	1·7
	Falmouth ...	1007·6	55	S	H	om	1016·2	+6	55	+3	WSW	H	—	b	*	2	57	52	rq.o.c	or.om	om.bc	0·7
	Jersey (St. Aubin)	1013·2	61	SW	3	o	1019·3	*	54	+2	WSW	3	W	c	3	1	64	52	e.op.e.o	o.bc.o	bc.op.c	2·3
	Portland Bill ...	1011·H	49	ESE	3	cr	1011·7	+3	51	+2	SW	5	SW	c	H	2	51	47	cf	bc.c	c.bc.o	*
	Dungeness ...	1014·9	58	SE	1	c	1016·1	+3	52	−2	SW	5	SW	bc	H	6	60	51	bc	bc	bcr.c	*
	Dover	1015·3	64	—	0	c	1017·6	?	54	−H	SW	H	SW	o	2	2	66	51	bc.b	b.bc	c.opr	10·7
	Wick	1011·H	49	SSE	3	m	1010·2	0	48	−2	SSE	3	—	m	3	—	55	45	pm.bcz	bcz.om	omg.cm	*
	Nairn	1009·H	65	—	0	cgu	1008·7	*	51	−6	—	0	—	cm	0	—	65	48	b.bc.cg	cgz	cmw	6·8
	Aberdeen ...	1012·9	51	E	2	o	1010·3	−1	53	−3	SE	2	SE	b	2	—	60	46	bm	bc.cm.o	o.c.bc	9·3
	Leith	1010·6	55	E	1	o	1009·0	0	48	−1	NE	1	—	om	1	—	58	47	c.o.bc.c	e.bc.c.o	om.cm.o	*
	Tynemouth ...	1012·3	55	SSE	3	omq	1009·5	0	54	+2	S	1	—	omd	3	1	56	48	bcm	cmp	omr	*
	Spurn Head ...	1013·7	54	SE	H	c	1012·2	0	54	+1	SSW	5	—	cq	5	2	60	51	bc	bc	cp	2·2
	Yarmouth (Gorleston)	1015·2	54	S	3	b	1015·2	+1	58	+3	SSW	H	—	bc	H	1	60	51	bc	bc	bcp	8·0
	Clacton-on-Sea	1015·1	55	SSE	3	bc	1016·H	+2	56	0	SSW	H	SW	c	3	3	59	53	bc	bc	bc.or.c	11·5
	Nottingham ...	1012·5	65	SW	6	c	1011·6	*	55	−5	SW	H	SW	r	*	3	70	52	b.bc	c.o	c.bc	5·2
	Benson (Oxon.) ...	1012·9	62	SSE	2	c	1014·6	+H	55	−2	SSW	H	—	o	*	2	69	53	bc	bcr	or.bc.o	*
	Sth Farnborough	1012·8	62	SE	3	c	1015·7	+3	55	−2	SW	H	—	or	*	3	71	53	bc.omb.c.c	o.c.o.c	bc.cgr.o.c	5·7
	London (Kew Obsy.)	1013·7	64	S	2	o	1016·0	+H	58	0	SW	5	—	o	*	2	69	54	bmw.bc.cr	cv.o	o.c.o.or.o	7·8
NORTHERN EUROPE.	Spitsbergen ...	1017·1	21	—	0	S	1019·1	+1	30	+11	S	3	*	o	*	*	30	18				
	Vardö	1017·0	28	N	2	o	1020·3	+1	27	−3	N	1	—	o	2	*	30	23				
	Bodö	1009·7	45	S	H	r	1010·3	0	43	+2	E	2	—	r	2	?	45	39				
	Christiansund ...	1016·8	50	W	2	c	1017·5	0	46	−4	—	0	—	f	3	—	50	46				
	Skudesnaes ..	1017·0	54	—	0	b	1014·4	−2	57	+9	E	2	—	b	2	—	57	48				
	Færder (X'landa Fjord)	1017·7	54	—	0	b	1017·6	0	54	+2	—	0	—	b	1	—	54	50				
	The Scaw (Skagen)	1017·5	57	S	2	b	1017·3	−1	54	+2	SSE	1	—	b	1	—	57	50				
	Blaavands Huk	1017·2	66	S	1	b	1016·6	+1	57	+2	W	1	—	o	?	—	68	46				
	Copenhagen ...	1020·4	59	S	3	b	1019·7	0	59	+9	SE	2	—	b	*	—	63	48				
	Bornholm ...	1021·3	57	—	0	m	1020·8	0	64	+7	SSW	3	—	m	0	—	64	54				
FRANCE, &c.	The Helder ...	1016·6	54	WSW	1	b	1016·3	+1	54	+2	S	1	—	c	1	1	55	48				
	C. Gris Nez ...	1015·5	59	NE	3	c	1018·3	+H	54	−6	SW	5	*	o	H	2	72	52				
	La Hève	1015·1	63	SSW	H	o	1019·0	*	55	−2	WSW	H	*	o	2	T	72	54				
	Brest (St. Mathieu)	1013·0	59	SSW	5	c	1020·0	+H	57	+1	SW	H	*	o	5	2	63	54				
	Rochefort (Ile d'Aix)	1017·2	62	WNW	3	o	1023·4	+3	60	+3	SW	2	*	bc	*	—	75	57				
	Biarritz	1016·7	73	ENE	1	c	1022·0	+1	65	−3	?	?	*	m	H	—	79	59				
	Paris	1016·3	70	S	2	b	1022·0	+H	63	+2	SW	2	—	bc	*	—	77	55				
	Belfort	1019·5	63	W	2	c	1024·2	*	62	+3	—	0	*	m	*	—	75	51				
	Lyons							*					*		*							
	Nice	1019·7	62	—	0	c	1022·7	+3	67	+3	—	0	*	b	0	—	72	55				
	Perpignan ...	1019·1	64	E	1	o	1023·9	+3	63	0	ENE	1	—	o	*	-	72	55				
	Sanguinaire ...	1019·0	66	W	3	bc	1021·1	*	64		E	3	*	b	2	-	77	57				
SOUTHERN STATIONS.	Corunna	1016·H	67	SSW	7	o	1022·1	+2	66	+2	SW	2	—	c	2	?	68	61				
	Madrid	1017·2	72	WSW	1	b	1024·0	+2	63	+H	NE	2	—	b	*	—	73	54				
	Lisbon	1020·2	64	SW	3	b	1021·6	+1	61	0	NNW	2	—	bc	6	—	70	57				
	Azores (Horta) ...	1003·8	*	SSW	8	f	1002·3	0	60	−1	SW	9	*	c	5	6	64	57				
	Madeira	1020·2	66	W	1	o	1021·1	0	66	+5	W	1	—	b	1	-	66	61				
	Gibraltar	1019·6	63	SE	1	b	1021·3	*	63	+3	E	H	*	b	2	—	72	59				
	Malta	*	*	*	*	*	1018·7	+2	63	−1	NNW	H	—	o	3	—	66	61				
	Limassol	*	*	*	*	*	1008·4	0	64	−10	W	2	W	o	5	Trace	79	57				
	Alexandria ...	1012·H	68	NE	1	b	1013·6	+2	70	+2	NW	2	W	o	1	-	79	64				
	Cairo (Helwan) ...	1011·0	81	—	0	b	1011·9	+2	70	−H	NW	3	—	b	*	—	90	64				

NOTES

Solar Halo was observed at:-
Eskdalmuir at 15·30h and
South Farnbro' at 11·45h yesterday.

LONDON OBSERVATIONS.

	Humidity. 15 h.	Humidity. 9 h.	Sunshine for	24 HOURS ENDED 0 h. Temperature. Max.	Temperature. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	41	72	8·3	73	53	40	H	bc	bc.o	o.or.o
CITY (Bunhill Row)	*	*		*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	46	77	7·2	71	55	50	3	bc	bc	or
CAMDEN SQ. (British Rainfall) ..	78	73	7·4	75	64	61	3	bc	bc.c	*
HAMPSTEAD (Reservoir)	*	80	7·5	69	51	43	3	bc	bc	c.op.
S. KENSINGTON (Museum Grounds)	*	76	7·3	71	55	44	3	c.bc.c	c	c.or.o

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during 23rd

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
1782	31·2	79·5

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

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

Issue No. 20,273 DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. Friday, 25th MAY.

YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON Thursday, 24th MAY, 1917

A little rain fell in the West, but elsewhere the weather was finer, with moderate sunshine measurements in most districts. Day temperature exceeded 60° in all parts.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR Thursday, 24th MAY, UP TO 17 H.

	STATIONS.	Sunshine for 23rd	Rainfall. Night. 17h-9h.	Rainfall. Day. 9h-17h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 17 h. 24th
			Mm.	Mm.	°F.	°F.			Hr.
Scotland.	Oban	4.0	-	-	58	52	c. bc	bc. b	7.3
	Banff	9.4	-	-	69	48	bc	bc. c	6.3
	Montrose	7.7	Trace	-	60	43	b	b	5.9
	St. Andrews								
	Carnoustie	*	*	*	66	47	o. c	bc	3.2
Eng. N.E.	Harrogate		3	-	63	51	b c	b. b c b	6.9
	Skegness	9.1	3	Trace	66	53	ob	bc	5.7
Eng. N.W.	Morecambe	*	1	-	59	53	-	-	5.2
	Southport	9.0	2	-	62	52	o. c	bc. b. bc	4.7
Midlands.	Leamington Spa								
	Malvern								
	Ross-on-Wye	2.6	1	-	66	52	c. bc	bc	4.8
Wales.	Rhyl	8.1	3	-	63	50	bc. cn	bc. c	5.9
	Colwyn Bay	*	*	*	65	54	bc	bc	7.3
	Llandudno	*	*	*	61	51	c	c. b	8.1
	Aberystwyth	*	*	*	57	50	or. c	bc. c	5.0
England. E.	Lowestoft	10.9	-	-	68	51	c	c. bc	8.0
	Felixstowe	11.1	2	-	66	52	bc	bc	7.7
	Walton-on-Naze		3	-	62	53	b c	bc. b	7.8
	Southend-on-Sea	4.7	4	-	65	54	bc. b	b. bc	5.5
England. S.E.	Margate	10.3	1	-	65	54	c. bc	b	8.2
	Hastings	10.8	7	-	62	51	bc. or. c	bc. b	3.8
	Eastbourne	9.3	6	-	60	52	bc. o	b	6.2
	Seaford	4.0			63	50	o	c. bc	3.4
	Brighton	8.2	5	-	58	51	o. c	c. b	3.2
	Worthing	6.5	4	-	61	52	o. bc	b	4.3
	Littlehampton				58	50			5.1
	Bognor								
	Bournemouth	4.0	1	-	63	52	bc. b	b. bc	8.0
England. S.W.	Weymouth	*	*	*	63	51	c. bc	bc	5.9
	Torquay	0.5	1	-	61	50	o. c	c	2.8
	Paignton								
	Penzance	2.0	1	-	60	54	bc	c	3.5
	Newquay	3.7	1	-	62	52	bc	bc	3.5
	Bude								
	Ilfracombe								
	Weston-s-Mare		2	-	63	53	c. bc. b	b. bc	7.0

REPORTS FROM FOREIGN STATIONS FOR Thursday, 24th MAY.

	STATIONS.	Evening of 23rd. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.
			°F.			
Russia 7 a.m. and 9 p.m. Local Time.	Archangel	1013.3	36	NNE	2	bc
	Gorki	1017.0	54	-	0	b
	Velieki Luki					
	Hangö	1015.0	41	WSW	2	c
	Riga	1018.9	54	-	0	b
	Petrograd	1014.3	48	SSE	2	0
	Moscow	1012.7	36	NW	2	b
	Kiev					
	Kharkov					
	Kishinev					
	Elisabetgrad					
	Nicolaiev					
	Odessa					
	Tarkhankout					
	Soukhoum					
Mediterranean.	Venice	1020.1	64	-	0	b
	Pesaro					
	Rome	1018.9	67	-	0	b
	Viesti	1019.5	59	WNW	1	0
	Brindisi	1018.3	61	NW	2	0
	Cagliari	1017.9	66	SE	3	b
	Palermo	1015.5	61	SSW	4	bc
	Tripoli					
	Algiers	1020.2	64	-	0	b
Sweden.	Hernösand	1012.2	50	SSW	2	bc
	Stockholm	1015.1	70	WSW	2	b
	Wisby	1016.0	61	SSW	2	b

	STATIONS.	Morning of 24th. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			‡	°F.	°F.					°F	°F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel										
	Gorki	1021.1		52	+6	NE	3	b	-		39
	Velieki Luki	1018.3	*	55	+7	SW	2	b	-	*	43
	Hangö	1015.0		43	-2	WSW	2	c	-	*	36
	Riga	1019.3	+1	59	+9	-	0	b	-	*	43
	Petrograd	1013.5	+1	48	0	W	3	c	-	54	46
	Moscow										
	Kiev										
	Kharkov										
	Kishinev										
	Elisabetgrad										
	Nicolaiev		*								
	Odessa										
	Tarkhankout		*								
	Soukhoum										
Mediterranean.	Venice	1022.6	*	63	+4	NE	6	b	?	70	55
	Pesaro	1023.4	*	55	-6	NW	1	b	-	70	45
	Rome	1021.5	*	61	+6	-	0	b	-	72	54
	Viesti	1021.3	*	64	+5	W	1	bc	-	66	57
	Brindisi	1018.5	*	59	-4	WNW	1	o	s	66	59
	Cagliari	1018.0	*	61	+2	NW	3	b	-	68	52
	Palermo	1020.3	*	64	-6	WSW	1	c	-	73	50
	Tripoli	1022.1	*	66	0	W	1	bc	-	72	59
	Algiers	1022.1	+2	64	-1	-	0	b	-	73	57
Sweden.	Hernösand	1016.8	*	57	+3	-	0	b	*	*	*
	Stockholm	1018.3	*	61	+15	W	2	b	*	*	*
	Wisby	1018.3	*	57	+5	WSW	2	b	*	*	*

Morning of 24th

ICELAND.	Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather
		°F	°F			
Isafjord	1001.7	54	+13	SE	6	c
Reykjavik	1000.7	48	0	ESE	3	r
Vestmanna						
Seydisfjord	1004.3	55	+16	-	0	c
Thorshavn	1011.4	49	0	E	1	m

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

25th and 26th MAY, 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.46 / 3.45	11.50 / 11.50	7.54 / 7.56
Greenwich	3.58 / 3.57	11.57 / 11.57	7.56 / 7.57
Wick	3.29 / 3.28	12.9 / 12.9	8.49 / 8.51
Valencia	4.37 / 4.36	12.36 / 12.36	8.39 / 8.40

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar-frost; z. dust-haze, or smoke.

‡ The barometric change is expressed in half-millibars.

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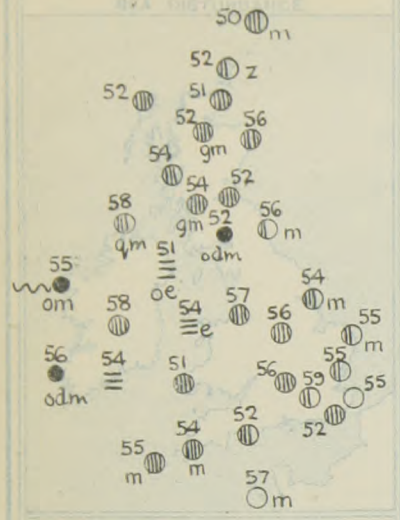
THE MORNING OF FRIDAY, 25TH MAY, 1917.

General Inference

The anticyclone over France will spread northwards.



FORECAST DISTRICTS.

EXPLANATION.

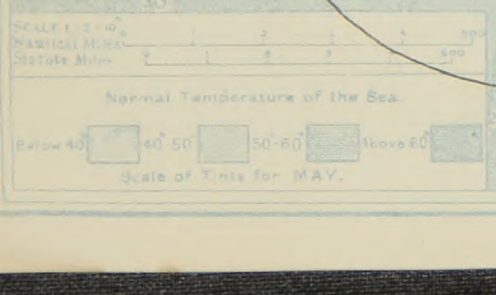
BAROMETER.—Isobars are drawn for intervals of five millibars.

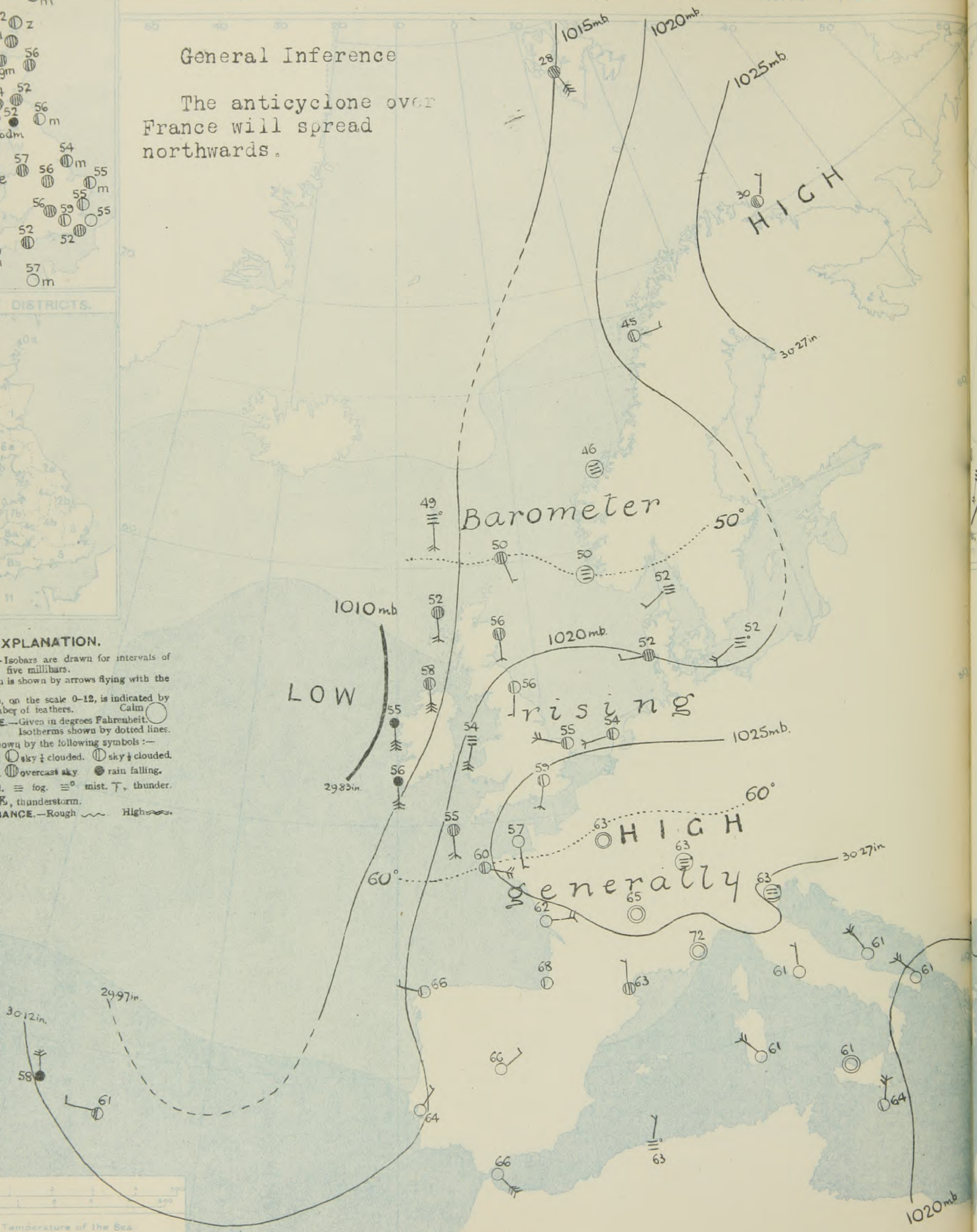
WIND.—Direction is shown by arrows flying with the wind.
Force, on the scale 0–12, is indicated by the number of feathers. Calm ○

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

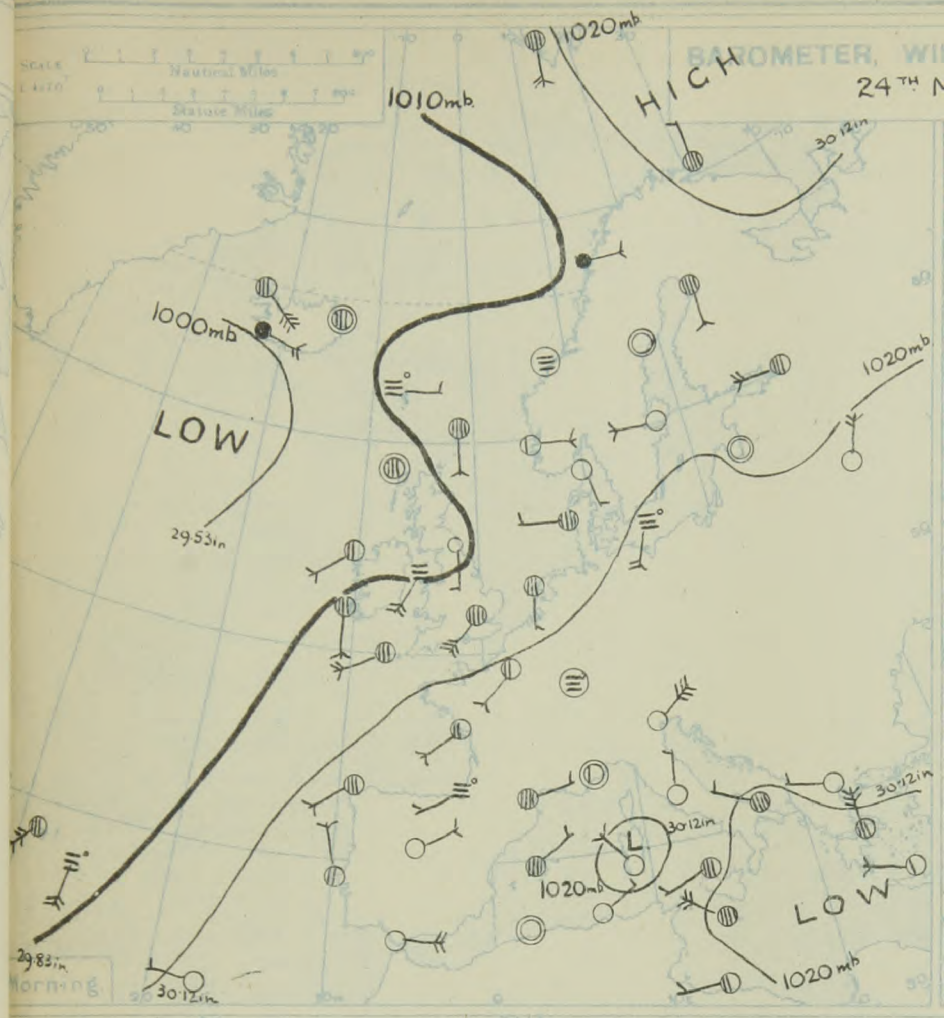
WEATHER.—Shown by the following symbols :—
○ clear sky. ◐ sky ¼ clouded. ◑ sky ½ clouded.
◕ sky ¾ clouded. ● overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤ thunder.
⊼, thunderstorm.

SEA DISTURBANCE.—Rough ~~ High ~~.

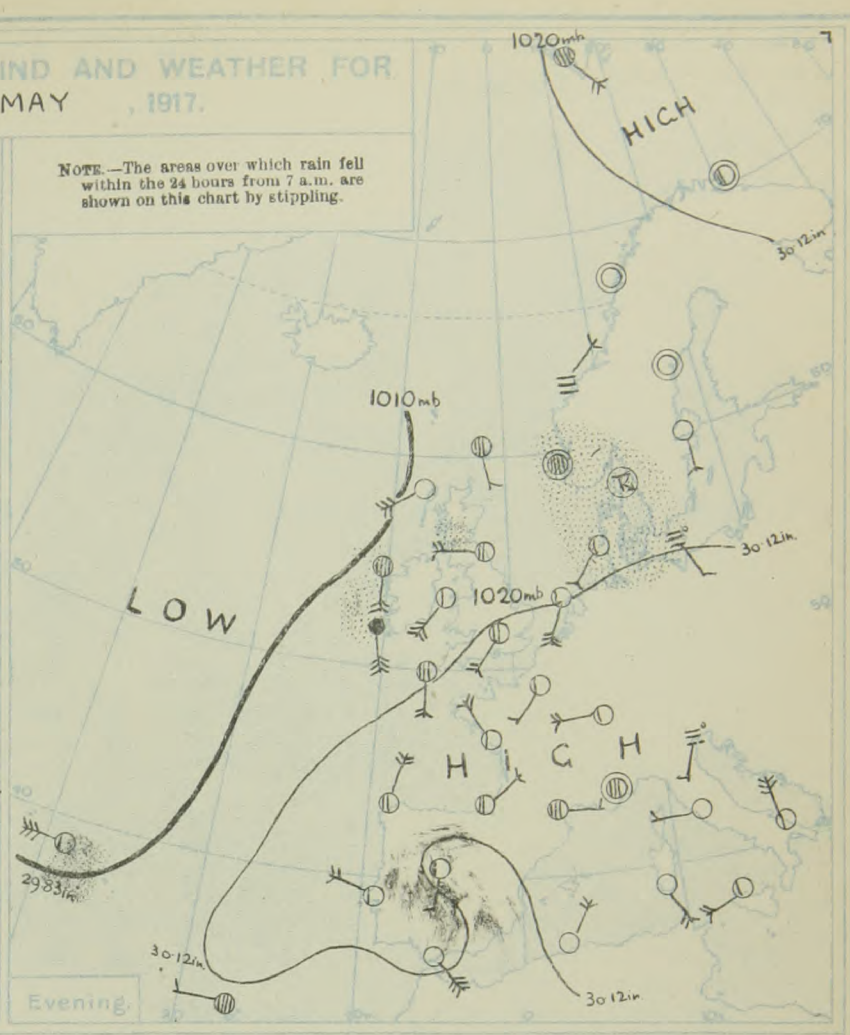


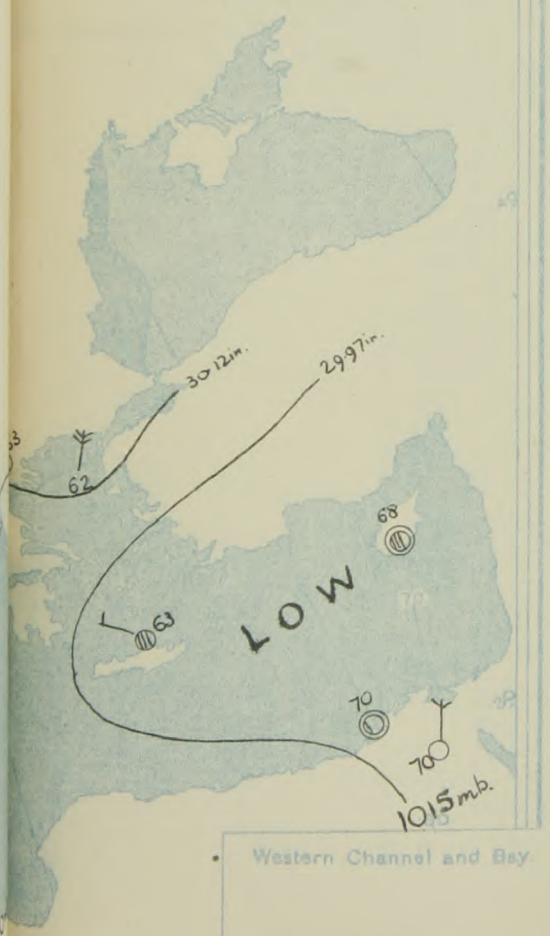


BAROMETER, WIND AND WEATHER FOR 24TH MAY, 1917.



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





FURTHER OUTLOOK.

0	a, b	Forecasts 18h. Friday to 18h. Saturday Light S. or indefinite winds; cloudy; moderate temperature.
1		
2	a, b	Light SW. or indefinite winds; fair; moderate temperature, warm inland in day.
3		
4	a, b, c	
5		
6	a, b	Moderate S. winds; cloudy, some showers; moderate temperature.
7	a, b	Fresh to moderate S. or SW. winds; fair; moderate temperature.
8	a, b	Light or moderate winds between SE. and SW; fair; rather warm.
9	a, b	Same as No. 7
10	a, b	
11		Light or moderate winds between SE. and SW; slight sea; fair to fine.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 145. Friday, 25th MAY.

	STATIONS	EVENING OF 24th. Barom. Millibars at M.S.L.	Temp	Wind. Direc.	Force 0-12	Weather.	MORNING OF 25th. Barometer. Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb.	Change in 24 hours.	Wind. Direc.	Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	24 HOURS ENDED 7 A.M. Rainfall. Millimetres.	Temp. Max.	Min.	Weather. Morning.	Afternoon.	Night.	Sunshine for 24th.
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1012·9	52	SSE	1	cm	1017·5	+2	50	0	SSE	1	—	cm	1	—	54	44	cm	cm	cm	*
	Deerness (Orkney)	1012·2	50	SSE	2	bc	1017·3	*	52	+4	SSE	2	SW	bcz	1	—	53	46	o.c.bc	bc	bcz	7·5
	Stornoway ...	1011·9	54	SW	5	bq	1014·2	0	52	−1	S	3	—	o	3	—	64	48	c.b	bq	bc.o	7·7
	Castlebay (Barra Isd.)																					
	Glasgow ...	1014·5	61	SW	2	bc	1019·5	+1	54	+3	SSE	1	—	omg	*	3	63	49	or.c.bc	bcz	bc.c.om	6·4
	Eskdalemuir ...	1015·6	54	SW	4	p	1020·9	+2	52	−1	SW	5	—	odm	*	1	59	47	or.o.c	c.or.o	om.odm	1·4
	Malin Head ...	1012·2	55	E	3	bc	1012·2	+4	58	+6	S	6	NW	cmq	4	—	60	50	cm	bc	cmq	5·2
	Blacksod Point	1010·0	54	S	4	og	1010·8	+2	55	+3	S	6	—	omr	5	7	58	52	bc	cz	op.omr	*
	Valencia (Cahirciveen)	1012·0	56	SSE	6	od	1014·1	+3	56	+2	S	5	—	odm	3	1	60	54	o.c	c.o.od	od	3·4
	Roche's Point	1016·0	54	SSE	4	om	1017·5	*	54	0	SW	3	—	f	4	1	58	54	o.c.bc	c.om	of.dfe	*
	Birr Castle ...	1013·3	63	SE	2	c	1016·0	*	58	+4	SSE	2	—	o	*	—	68	54	c	c	c.oz.o	8·0
	Donaghadee ...	1013·9	60	SSW	4	bcz	1017·7	+3	51	+1	SSW	3	—	ofe	2	Trace	67	50	cm	bcz	cm.ofe	*
	Liverpool (Bidston)	1017·9	60	SW	4	b	1021·9	+1	57	+1	ESE	2	E	o	2	—	62	53	bc	bc	c.o	6·2
	Holyhead ...	1017·7	53	SW	5	b	1020·1	+1	54	+3	SSW	5	—	fe	4	Trace	58	49	fe.bc.b	b.bc.b	b.ofe	8·4
	Pembroke (St. Ann's)	1019·9	51	S	3	o	1021·9	+3	51	+1	S	3	—	o	3	0·1	54	49	c.o	o	o	3·1
	Scilly (St. Mary's)	1019·7	55	S	3	cm	1021·6	+1	56	+1	S	3	S	om	4	—	59	53	cm	cm	c.of.om	3·0
	Falmouth ...	1020·8	57	SSW	4	o	1023·3	+2	54	+1	SSW	2	—	om	*	—	61	53	bc.o.c	o.c.o	o.c.om	2·0
	Jersey (St. Aubin)	1023·0	61	S	2	b	1025·7	*	57	+3	S	1	—	bm	0	—	66	52	c.o.b	b	bmw	8·7
	Portland Bill ...	1021·9	52	SW	2	bc	1025·0	+2	52	+1	E	1	W	c	3	—	53	50	c	c.bc	bc.c.o	*
	Dungeness ...	1022·4	55	SW	4	b	1026·5	+3	52	0	SW	2	—	o	1	—	59	49	c	c.b	b.bc.o	*
	Dover	1021·9	57	SSW	5	bc	1026·3	?	55	+1	SW	3	—	b	4	—	62	47	o.c.b	bc	bc.bw	9·2
	Wick	1012·1	49	S	2	m	1017·7	+2	51	+3	SSE	1	—	o	2	—	53	45	c.bcm	bc.cm	bcm.om	*
	Nairn	1011·6	57	—	0	cm	1016·5	*	52	+1	—	0	—	og	1	0·1	67	44	cm.og	o.bcmp	cw	6·0
	Aberdeen ...	1012·1	57	NNE	1	c	1018·8	+2	56	+3	S	2	—	o	2	—	61	48	bc.b	b.bc.cu	bc.c.o	10·9
	Leith	1013·1	64	W	2	b	1019·3	+1	52	+4	SW	1	—	o	1	1	65	43	omd.o.c	c.bc.b.	b.bcm.o	*
	Tynemouth ...	1014·5	63	W	3	bcq	1021·6	+3	56	+2	SSW	1	W	bcm	2	—	65	51	cmp	bcm	bcm	*
	Spurn Head ...	1017·1	56	WNW	4	c	1023·9	+1	54	0	SW	3	—	cm	3	1	63	50	cq	cq	bc	3·2
	Yarmouth (Gorleston)	1019·5	66	W	4	bc	1024·6	+3	55	−3	WNW	3	—	bcm	2	—	68	52	bcq	bc	bcm	10·5
	Clacton-on-Sea	1020·7	61	SSW	4	bc	1026·8	+2	55	−1	WSW	2	—	bc	2	—	63	51	c.bc	bc	bcwz	9·9
	Nottingham ...	1018·3	63	SW	3	c	1023·9	*	56	+1	SW	2	SW	o	*	1	66	50	op.c	bc.c	bc	5·7
	Benson (Oxon.) ...	1019·9	62	SSW	3	bc	1024·3	+1	56	+1	S	3	—	o	*	—	66	50	bc	b	b.o	*
	Sth Farnborough	1020·6	62	SW	5	bc	1024·9	+2	58	+3	S	3	SW	bc	*	—	66	49	o.c	c.b.bc	bc.b.bc	8·3
	London (Kew Obsy.)	1021·1	67	SW	3	bcv	1025·9	+2	59	+1	SSW	2	W	bc	*	—	68	51	o.c.o	o.c.bc	bcv.b.bm	7·9
NORTHERN EUROPE.	Spitsbergen ...	1021·0	23	SE	3	o	1015·0	−3	28	−2	SSE	6	*	o	*	*	30	21				
	Vardö	1024·3	27	—	0	bc	1025·7	+1	30	+3	ENE	1	—	e	2	*	30	25				
	Bodö	1017·5	41	—	0	b	1021·2	+2	45	+2	E	1	—	bc	1	4	45	39				
	Christiansund ...	1017·2	50	NE	2	f	1017·9	+2	46	0	—	0	—	f	3	—	50	43				
	Skudesnaes ...	1015·0	48	—	0	o	1018·9	+3	50	−7	—	0	—	f	1	3	57	45				
	Færder (X'tania Fjord)	1015·3	54	S	2	o	1016·7	+1	50	−4	SSW	1	—	f	1	—	57	48				
	The Scaw (Skagen)	1015·7	55	—	0	tlr	1017·7	+1	52	−2	WSW	1	—	f	1	1	68	48				
	Blaavands Huk	1018·0	55	SW	2	b	1020·0	0	52	−5	W	1	—	o	?	1	61	46				
	Copenhagen ...	1015·3	64	WNW	2	o	1019·0	0	55	−4	W	3	—	o	*	1	72	65				
	Bornholm ...	1018·3	66	SSE	1	m	1019·4	−1	52	−12	WSW	3	—	m	1	Trace	72	50				
FRANCE, &c.	The Helder ...	1019·5	55	SSW	5	b	1024·3	+2	54	0	WSW	2	—	bc	1	—	59	52				
	C. Gris Nez ...	1023·7	54	SSE	3	bc	1027·1	+2	57	+3	S	2	*	o	2	—	63	50				
	La Hève	1021·5	63	NW	2	bc	1023·0	*	57	+2	E	3	*	m	1	—	72	55				
	Brest (St. Mathieu)	1022·1	58	S	3	o	1024·6	0	60	+3	ESE	4	*	bc	6	—	63	55				
	Rochefort (Ile d'Aix)	1024·4	63	NW	3	b	1024·2	0	62	+2	E	3	*	b	*	—	73	57				
	Biarritz	1021·9	70	NE	2	bc	1021·9	0	68	+3	—	0	*	b	3	—	73	59				
	Paris	1023·9	68	SW	2	b	1026·9	+1	63	0	—	0	—	b	*	—	75	50				
	Belfort	1024·3	70	W	3	b	1028·0	*	63	+1	—	0	*	m	*	—	75	53				
	Lyons	1023·1	73	NNW	1	b	1026·2	*	65		—	0	*	b	*	—	78	57				
	Nice	1023·1	64	—	0	c	1024·0	+2	72	+5	—	0	*	b	0	—	72	57				
	Perpignan ...	1022·7	72	E	1	c	1024·6	+2	63	0	N	1	SW	c	*	—	79	55				
	Sanguinaire ...	*	*	*	*	*	*	*	*	*	*	*	*									
SOUTHERN STATIONS.	Corunna	1021·7	66	NNE	4	bc	1022·0	+2	66	0	WNW	1	W	b	1	—	75	55				
	Madrid	1019·8	79	SSW	1	b	1023·5	+1	66	+3	NE	1	—	b	*	—	81	59				
	Lisbon	?	?	WNW	3	b	1019·4	+1	64	+3	NNE	1	—	b	6	—	79	61				
	Azores (Horta) ...	1009·1	*	W	6	b	1019·0	+3	58	−2	NNW	4	*	r	2	1	64	57				
	Madeira	1019·7	68	W	1	o	1020·8	0	61	−5	NW	2	—	o	3	—	68	61				
	Gibraltar	1021·7	67	SE	6	b	1021·7	*	66	+3	SE	6	*	b	3	—	75	61				
	Malta	*	*	*	*	*	1021·3	+1	64	+1	NNE	3	—	b	2	—	66	61				
	Limassol	*	*	*	*	*	1011·3	+2	68	+4	—	0	W	c	3	—	75	52				
	Alexandria ...	1014·1	66	NE	1	c	1014·6	+1	70	0	—	0	NW	b	1	—	77	63				
	Cairo (Helwan) ...	1011·9	73	NE	3	b	1013·5	+2	70	0	NE	2	—	b	*	—	86	63				

NOTE

Solar Halo was observed at Deerness yesterday at 14 h.

LONDON OBSERVATIONS.

	Humidity 15 h. 24th	Humidity 9 h. 25th	Sunshine for 24th	24 Hours ended 9 h. 25th: Temperature Max	Min	Min. on Grass	Rainfall.	Weather. Morning.	Afternoon.	Night.
	%	%	Hours	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	62	71	7·9	69	49	40	—	o	c	c.b.bz
CITY (Bunhill Row)	*	*	6·2	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	63	76	7·3	67	51	47	—	bc	bc	bc
CAMDEN SQ. (British Rainfall) ...	59	67	7·4	69	51	48	—	bc	bc	*
HAMPSTEAD (Reservoir)	*	72	7·1	64	49	40	—	bc	bc	c
S. KENSINGTON (Museum Grounds)	*	67	6·0	67	52	47	—	o.c.bc.c.o	o.c.bc	bc.b

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during 24th.

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
1523	26·6	85

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

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

Issue No. 20274. **DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917.** Saturday, 26th MAY.

YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON Friday, 25th MAY, 1917.

The day was almost rainless, but sunshine measurements were poor except in the South-East of the Country. Temperature exceeded 60° very generally and touched 70° at many stations. 73° was recorded as far North as Nairn. A thunderstorm is reported this morning from Birr Castle.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR Friday, 25th MAY, ... UP TO 17 H.

	STATIONS.	Sunshine for 24h	Rainfall. Night. 17h-9h.	Rainfall. Day. 9h-17h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 17 h. 25th
		Hr.	Mm.	Mm.	°F.	°F.			Hr.
Scotland.	Oban	8·9	–	Trace	63	52	o	cp	4·8
	Banff	6·3	Trace	–	70	43	c.bc	c.o	4·3
	Montrose	5·9	–	–	65	44	bc	o	2·3
	St. Andrews	*	–	–	67	48	b	o	2·3
	Carnoustie	*	*	*	66	53	o.c	c.of	2·0
Eng. N.E.	Harrogate	7·9	–	–	70	48	bc.c	bc.c	4·7
	Skegness	5·9	–	–	69	48	bc	b	5·2
Eng. N.W.	Morecambe	6·7	–	–	68	53	–	–	1·0
	Southport	5·0	–	–	69	50	o.c.bc	b.bc.c.o	1·6
Midlands.	Leamington Spa								
	Malvern	*	–	–	70	52	bc	bc	6·0
	Ross-on-Wye	5·4	–	–	73	54	c.bc	b	5·3
Wales.	Rhyl	6·9	–	–	67	52	bc.c	c.bc.o	0·9
	Colwyn Bay	*	*	*	68	55	bc	c	1·6
	Llandudno	*	*	*	67	53	c	c	1·3
	Aberystwyth	*	*	*	65	52	o.c.b	c.o	1·0
England, E.	Lowestoft	10·0	–	–	72	51	bc	bc.c	10·8
	Felixstowe	8·5	–	–	70	49	bc	bcm	10·8
	Walton-on-Naze								
	Southend-on-Sea	6·6	–	–	72	51	b.bc	b.bc.c.o	7·7
England, S.E.	Margate	8·7	–	–	67	50	c.b	b	9·8
	Hastings	5·5	–	–	63	49	bc.b	b	8·3
	Eastbourne	7·7	–	–	66	49	bc.b	b	9·0
	Seaford	5·0	*	*			b.bc	b	9·6
	Brighton								
	Worthing	6·4	–	–	66	49	b	b	10·3
	Littlehampton								
	Bognor								
	Bournemouth	8·5	–	–	66	51	o.c.b	b	7·5
England, S.W.	Weymouth	*	*	*	65	52	o.bc.b	bc	7·5
	Torquay	2·8	–	–	63	53	o.c.bc.b	b	8·1
	Paignton								
	Penzance	3·5	–	–	61	54	of	bc	4·0
	Newquay	3·5	–	–	64	54	bcq	bcq	1·8
	Bude	*	–	–	70	53	bc	bc	4·9
	Ilfracombe	*	–	–	72	56	m	z	3·5
	Weston-s-Mare	7·9	–	–	72	54	o.bc.b	b.bc	7·0

REPORTS FROM FOREIGN STATIONS FOR Friday, 25th MAY.

	STATIONS.	Evening of 24th. Barom. Millibars at M.S.L.	Evening of 24th. Temp.	Evening of 24th. Wind. Direc.	Evening of 24th. Wind. Force 0–12.	Evening of 24th. Weather.	Morning of 25th. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					‡	°F.	°F.					°F	°F
Russia 7 a.m. and 0 p.m. Local Time.	Archangel						1023·8	+2	25		N	2	0	0	*	21
	Gorki						1019·8		57	+5	NNW	1	b	–	*	50
	Velieki Luki														*	
	Hangö						1018·3	0	50	–2	WNW	1	c	–	*	36
	Riga						1018·9	+2	55	+12	?	1	b	–	*	45
	Petrograd						1018·1	+2	50	–9	NE	2	0	–	64	46
	Moscow														*	
	Kiev														*	
	Kharkov														*	
	Kishinev														*	
	Elisabetgrad														*	
	Nicolaiev							*							*	
	Odessa														*	
	Tarkhankout							*							*	
	Soukhoum														*	
Mediterranean.	Venice	1023·3	66	–	0	m	1024·6	*	63	0	–	0	m	–	75	59
	Pesaro	1023·8	57	–	0	b	1026·0	*	54	+2	NW	1	b	–	70	46
	Rome	1022·3	63	–	0	b	1023·0	*	61	0	N	1	b	–	73	54
	Viesti	1022·9	61	WNW	4	b	1022·6	*	61	–3	NNW	3	b	–	70	57
	Brindisi	1020·9	64	N	5	b	1019·5	*	61	+2	NW	3	b	–	66	59
	Cagliari	1022·6	68	SE	3	b	1023·7	*	61	0	NW	3	b	–	70	52
	Palermo	1021·0	66	WSW	3	b	1022·9	*	63	–1	–	0	b	–	73	52
	Tripoli						1022·6	*	66	0	NW	2	c	–	68	63
	Algiers	1021·5	55	NNE	3	b	1022·4	+1	63	–1	NNE	1	m	–	72	59
Sweden.	Hernösand	1015·9	54	–	0	b	1018·6	*	52	–5	N	2	b	*	*	*
	Stockholm	1016·4	68	S	2	b	1014·9	*	55	–6	E	2	b	*	*	*
	Wisby	1015·8	63	SSW	2	b	1013·9	*	54	–3	WSW	2	bc	*	*	*

ICELAND.	Morning of 25th. Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather
		°F	°F			
Isafjord	1000·8	50	–4	–	0	c
Reykjavik	993·3	52	+4	E	5	bc
Vestmanna						
Seydisfjord	1005·0	52	–3	–	0	c
Thorshavn	1014·1	49	0	S	3	m

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

26th and 27th MAY, 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.45 / 3.44	11.50 / 11.50	7.56 / 7.57
Greenwich	3.57 / 3.56	11.57 / 11.57	7.57 / 7.58
Wick	3.28 / 3.26	12.9 / 12.9	8.51 / 8.53
Valencia	4.36 / 4.35	12.38 / 12.38	8.40 / 8.41

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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‡ The barometric change is expressed in half-millibars.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.

FORECAST DISTRICTS.

THE MORNING OF SATURDAY, 26TH MAY, 1917.

GENERAL INFERENCE

Anticyclonic conditions are likely to continue over the whole country.

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.

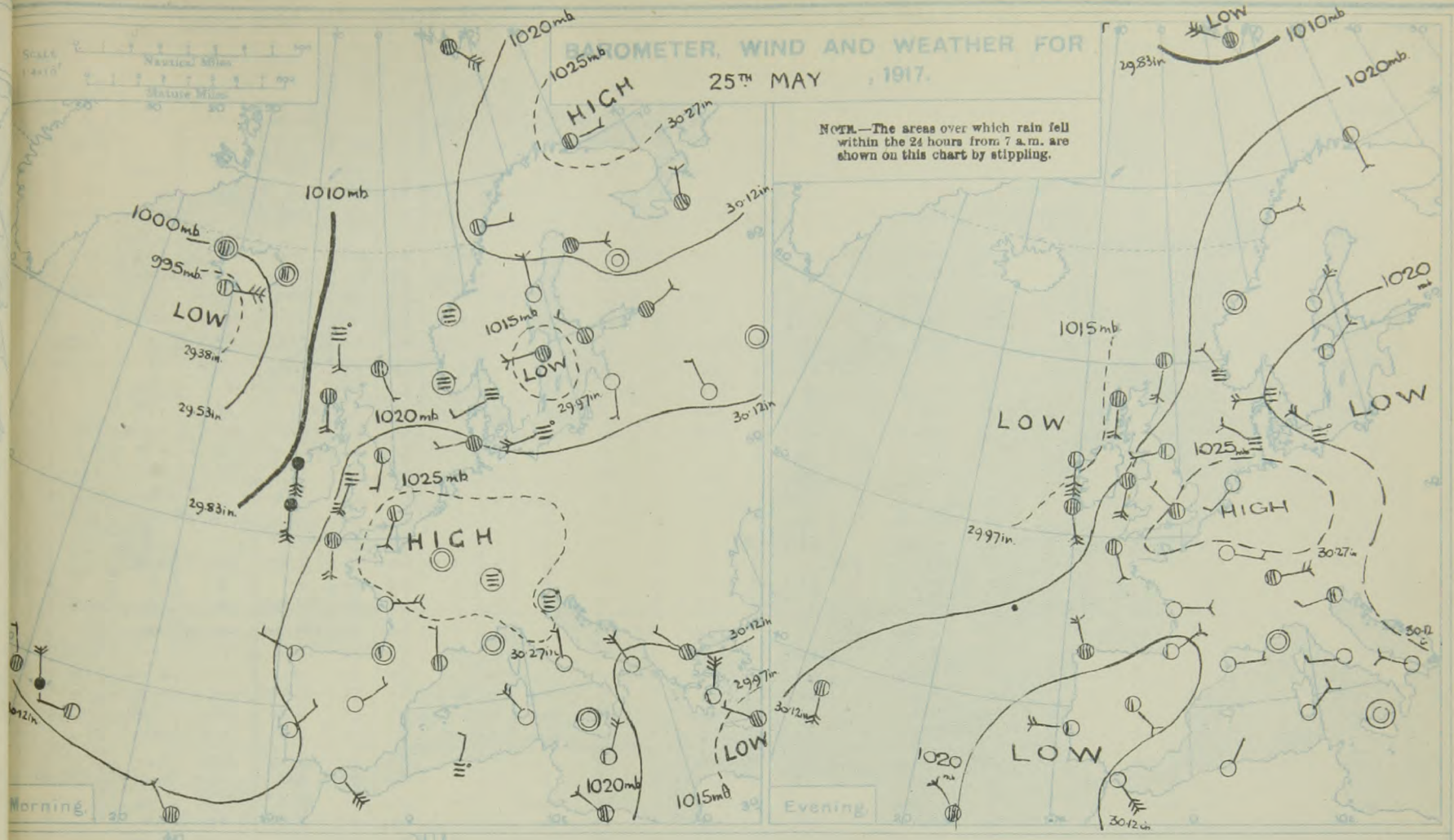
WEATHER.—Shown by the following symbols :—
◯ clear sky. ◔ sky ¼ clouded. ◑ sky ½ clouded.
◕ sky ¾ clouded. ● overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤ thunder.
⊤≋ thunderstorm.

SEA DISTURBANCE.—Rough ∿∿. High ≈≈.

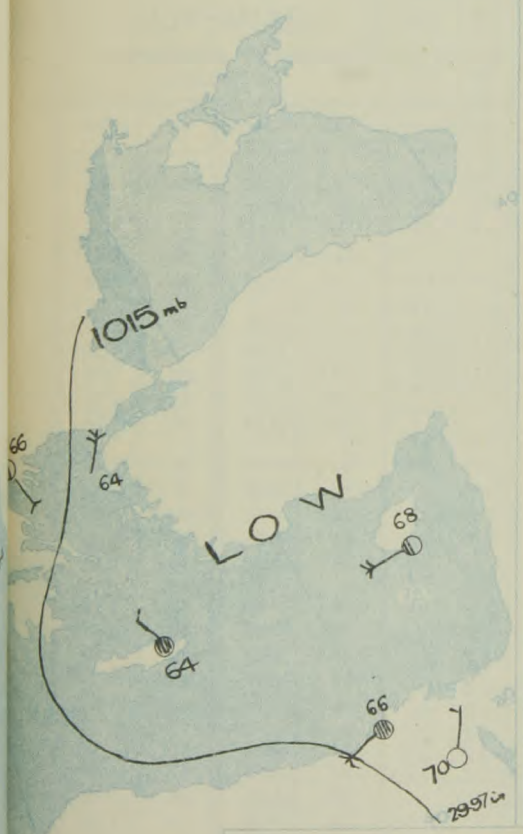
Normal Temperature of the Sea.
Below 40 | 40–50 | 50–60 | Above 60
Scale of Tints for MAY.

BAROMETER, WIND AND WEATHER FOR 25TH MAY, 1917.

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



FORECASTS NOON SATURDAY TO NOON SUNDAY.



Western Channel and Bay. 11

Light breezes between South-East and South-West; fair or fine; tendency for thunderstorms in the South; high day temperatures.

Light or moderate South-East winds; slight sea; fine; tendency for thunderstorms.

FURTHER OUTLOOK.

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R. G. K. LEMPFERT, Superintendent, Forecast Division.

NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 146. Saturday, 26th MAY.

	STATIONS	EVENING OF 25th: Barom. Millibars at M.S.L.	Temp.	Wind: Direc	Wind: Force 0-12.	Weather	MORNING OF 26th: Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind: Direc.	Wind: Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	24 HOURS ENDED 7 A.M.: Rainfall. Millimetres.	Temp. Max	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for 25th.
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1018·5	52	SSW	3	cm	1020·3	+2	57	+7	W	3	5	bcm	3	—	57	49	bcm	cm	bcm	
	Deerness (Orkney)	1017·3	52	SE	3	cm	1020·6		57	+5	SW	1	—	o	0		54	51	bc	bc.c.cm	cm.o	7·4
	Stornoway ...	1016·4	54	S	3	o	1019·0	+1	54	+2	SSW	5	—	cq	4	0·2	60	52	cdp	o	bc.cq	0·0
	Castlebay (Barra Isd.)																					
	Glasgow ...	1020·3	60	S	2	cmq	1022·5	+1	57	+3	—	0	—	cmq		0·1	62	54	cmq	cmqp	cmq	0·0
	Eskdalemuir ...	1022·7	57	SSW	4	cm	1023·7	0	56	+3	—	0	SW	c		0·3	57	51	cdm.cm	cme.cm	cdm.c.c	0·0
	Malin Head ...	1014·9	63	S	6	bcmq	1019·8	0	57	−1	SSW	2	SW	bc	2	—	65	63	cmq	bcmq	bc	4·0
	Blacksod Point	1013·1	56	S	7	bcm	1017·3	0	54	−1	S	3	—	cg	3	0·1	60	48	bc	bc	cm	
	Valencia (Cahirciveen)	1017·4	58	SSE	4	o	1018·1	0	56	0	SE	3	S	o	3	0·3	62	54	cde	c.o	o	3·4
	Roche's Point	1020·2	55	S	4	f	1019·4		54	0	SE	2	—	f	3	2	56	53	f.cm	fr	f	
	Birr Castle ...	1017·4	60	SE	2	c	1019·6		56	−2	SSE	1	—	tlr		4	64	54	o	o.c.c	otlr	1·8
	Donaghadee ...	1016·4	54	SSW	4	ofqp	1021·2	+1	53	+2	SSW	2	—	of	2	0·1	56	50	of	of	ofe	
	Liverpool (Bidston)	1023·3	65	WSW	1	o	1022·8	−1	62	+5	ESE	2	S	b	1	—	69	57	o.c	bc.o	c.o.bc	1·2
	Holyhead ...	1022·0	81	SSW	4	cmq	1021·9	+1	56	+2	—	0	—	bc	0	—	61	50	fe.o.c.o	c.bc.o	o.bc	0·1
	Pembroke (St. Ann's)	1023·4	55	SSE	3	o	1021·0	−3	58	+7	ESE	4	SE	c	3	—	58	50	c.o	c.c	c	1·0
	Scilly (St. Mary's)	1022·9	56	SSE	2	cm	1019·3	−1	54	−1	SE	3	S	bcm	4	—	61	52	cm.cm	cm	c.bcm	2·9
	Falmouth ...	1023·9	58	SSE	1	bcz	1020·3	−2	56	+2	E	2	—	bc		—	63	52	cmq.bc	bc.bcz	bc	4·5
	Jersey (St. Aubin)	1024·1	70	E	3	b	1020·6		65	+8	E	2	—	b	1	—	72	56	bm.b	b	b	13·0
	Portland Bill ...	1025·1	54	ESE	2	b	1022·0	−2	55	+3	E	4	—	b	3	—	59	51	b.bc	bc	b.bc	
	Dungeness ...	1026·1	62	SW	2	b	1024·1	0	55	+3	NE	3	—	b	1	—	63	50	b	b	b	
	Dover	1026·0	65	[illegible]	0	b	1023·7	?	60	+5	NE	2	—	b	2	—	67	52	b.o.bc.b	b	b	9·5
	Wick	1017·4	55	SSW	2	o	1020·4	+3	53	+2	SSW	2	—	o	2	—	59	49	cm.cm	cm.cm	cmq.	
	Nairn	1017·3	67	S	3	cz	1021·2		60	+8	S	1	—	cz	1	—	73	50	cz.o	cz	cw	3·0
	Aberdeen ...	1019·8	65	SSW	4	o	1022·9	+1	59	+3	SSW	2	—	c	2	—	66	54	cm	o	o.cm	1·4
	Leith	1020·7	61	SW	1	o	1022·5	+1	59	+7	E	1	—	cm	1	0·2	65	52	cm.c.o	o.cw.o	cpm.o	
	Tynemouth ...	1022·6	67	WSW	2	bcm	1024·5	0	57	+1	SW	1	S	cm	2	—	68	55	bcm	bcm	cm	
	Spurn Head ...	1026·0	68	WSW	3	cm	1025·4	0	55	+1	S	1	—	bcm	3	—	70	52	cm	cm	bcm	4·6
	Yarmouth (Gorleston)	1026·0	58	—	0	bc	1025·8	0	54	−1	SSW	1	—	bm	1	—	72	50	bcm	bcm	bcm	12·4
	Clacton-on-Sea	1025·7	61	SSW	1	bc	1025·3	0	57	+2	ESE	2	—	b	1	—	64	53	bcz	bcz	bc.bzw	11·4
	Nottingham ...	1024·3	68	SW	2	b	1024·3		61	+5	ESE	1	SE	bmw		—	70	51	o.c	c.b	bc	4·2
	Benson (Oxon.) ...	1024·5	68	SW	1	bc	1022·6	0	62	+6	SE	1	SW	b		—	71	47	c.o	bc	b	
	Sth Farnborough	1024·3	70	ESE	1	bc	1022·6	−1	62	+4	ESE	2	S	bzw		—	71	47	c.o	o.bc	bc.bzw	5·1
	London (Kew Obsy.)	1026·3	70	NNW	1	c	1024·1	−2	61	+2	ENE	2	—	bmw		—	72	51	bc.c.o.c	b	c.bc.bm	18·0
NORTHERN EUROPE.	Spitsbergen ...	1007·5	30	NW	5	o	1006·9	−1	27	−1	W	2		bc			32	21				
	Vardö	1023·0	32	S	2	bc	1019·5	−1	37	+7	W	4	—	o	2		37	23				
	Bodö	1024·2	45	E	2	b	1023·0	−1	50	+5	E	1	—	b	1	—	50	37				
	Christiansund ...	1022·4	52	—	0	b	1023·0	0	57	+11	—	0	—	m	3	—	57	46				
	Skudesnaes ...	1022·6	48	NW	2	f	1025·3	+2	50	0	NE	2	—	f	1	—	54	41				
	Færder (X'landa Fjord)	1020·3	48	SSW	2	f	1025·2	+2	48	−2	SE	1	—	f	1	—	54	46				
	The Scaw (Skagen)	1019·9	48	W	3	f	1024·7	+2	48	−4	SW	1	—	f	1	—	55	45				
	Blaavands Huk	1024·4	50	NW	2	f	1027·1	+2	52	0	NW	1	—	b	?	—	54	43				
	Copenhagen ...	1020·8	61	NNW	3	b	1024·6	+1	55	0	NNW	2	—	b		—	61	50				
	Bornholm ...	1019·5	52	NW	3	m	1023·3	+2	50	−2	NNE	2	—	m	0	—	54	45				
FRANCE, &c.	The Helder ...	1026·3	55	WSW	1	b	1026·7	+1	57	+3	ESE	1	—	b	1	—	59	46				
	C. Gris Nez ...	1025·9	65	—	0	b	1024·0	−1	65	+8	SE	3		b	1	—	68	55				
	La Hève																					
	Brest (St. Mathieu)	1023·4	68	NW	1	b	1019·0	−1	64	+4	ESE	3		b	5	—	75	55				
	Rochefort (Ile d'Aix)	1021·5	80	E	2	b	1019·1	−1	65	+3	SE	3		b		—	91	61				
	Biarritz	1019·9	74	NE	2	b	1018·1	−1	74	+6	ESE	2		b	2	—	90	64				
	Paris	1024·4	73	ENE	2	b	1024·4	−1	66	+3	ENE	2	—	b		—	81	55				
	Belfort	1024·7	72	E	3	c	1025·0		61	−2	ENE	6		m		—	81	53				
	Lyons																					
	Nice	1022·3	70	—	0	b	1019·9	0	68	−4	—	0		b	0	—	75	61				
	Perpignan ...	1022·6	73	E	1	b	1021·6	−1	63	0	—	0		o		—	81	64				
	Sanguinaire ...	1023·9	66	W	3	b	1021·5		63		E	1		m	2	—	81	57				
SOUTHERN STATIONS.	Corunna	1021·3	60	NNW	3	f	1018·9	+1	61	−5	NNW	2	—	f	1	4	66	57				
	Madrid	1019·1	81	SE	2	bc	1020·3	0	68	+2	NE	1	SW	b		—	83	59				
	Lisbon	1016·6	79	W	3	b	1017·1	+1	61	−3	WNW	3	—	bc	6	—	82	61				
	Azores (Horta) ...	1022·4		SSW	4	c	1027·8	+1	57	−1	NNW	4		b	1	—	64	55				
	Madeira	1020·0	66	NW	2	o	1020·4	0	63	+2	N	3	—	bc	3	—	68	61				
	Gibraltar ...	1021·7	66	SE	6	b	1019·6		65	−1	SE	6		b	4	—	73	65				
	Malta	*	*	*	*	*	1019·9	0	66	+2	W	1	—	b	0	—	68	61				
	Limassol	*	*	*	*	*	1011·7	0	68	0	W	3	N	bc	4	—	75	50				
	Alexandria ...	1014·6	66	N	2	b	1014·0	+1	66	−4	WSW	2	W	o	1	—	79	61				
	Cairo (Helwan) ...	1012·2	75	N	3	b	1014·3	+2	70	0	NE	1	—	b		—	82	63				

RAINFALL.

Equivalents of Millimetre in Inches.

mm.	Inches.	mm.	Inches.
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·10
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69
19	0·75	44	1·73
20	0·79	45	1·77
21	0·83	46	1·81
22	0·87	47	1·85
23	0·91	48	1·89
24	0·95	49	1·93
25	0·98	50	1·97

LONDON OBSERVATIONS.

	Humidity. 15 h. 25th	Humidity. 9 h. 26th	Sunshine for 25th	24 HOURS ENDED 9 h. 26th: Temperature. Max.	Temperature. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	64	66	4·7	73	50	39	—	c	c	bz
CITY (Bunhill Row)	*	*	4·1	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	68	67	4·6	71	53	49	—	bc	bc	b
CAMDEN SQ. (British Rainfall) ..	59	63	5·3	74	52	48	—	c	c	*
HAMPSTEAD (Reservoir)	*	71	5·8	69	53	39	—	bc	b	bz
S. KENSINGTON (Museum Grounds)	*	62	4·0	71	56	47	—	o.c.bc.c	o.c.bc	bc.b

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during 25th

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
1377	24	75

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

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

Issue No. 20,275 **DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917.** Sunday, 27th MAY

YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON Saturday, 26th MAY, 1917.

Temperature rose to 75° or above at numerous stations, and the minimum readings of the night were rather high. Thunderstorms, with heavy rain, occurred in the south-west of these Islands:- 30 mm. at Birr Castle and 33 mm. at St. Ann's Head. Bright sunshine was very prevalent in the south and east.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR Saturday, 26th MAY, UP TO 17 H.

	STATIONS.	Sunshine for 25th	Rainfall. Night. 17h-9h.	Rainfall. Day. 9h-17h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 17 h. 26th
			Mm.	Mm.	°F.	°F.			Hr.
Scotland.	Oban	4·8	-	Trace	62	54	o	c	0·6
	Banff	4·3	-	-	70	57	bc	c	2·9
	Montrose	2·3	-	-	65	49	b	b	4·8
	St. Andrews								
	Carnoustie	x	x	x	61	55	b	b	7·4
Eng. N.E.	Harrogate	4·7	-	-	72	54	b.bc	b.bc	6·4
	Skegness	.	-	-	63	54	b	b	10·6
Eng. N.W.	Morecambe								
	Southport	1·6	-	-	76	56	bc.b	bc.b	10·2
Midlands.	Leamington Spa								
	Malvern								
	Ross-on-Wye	5·5	-	-	76	47	b	b	11·2
Wales.	Rhyl								
	Colwyn Bay	x	x	x					
	Llandudno	x	x	x	76	56	bc.b	b.c	9·0
	Aberystwyth	x	x	x	74	58	o.c.b	b.bc	9·5

	STATIONS.	Sunshine for 25th	Rainfall. Night. 17h-9h.	Rainfall. Day. 9h-17h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 17 h. 26th
			Mm.	Mm.	°F.	°F.			Hr.
England, E.	Lowestoft								
	Felixstowe	11·2	-	-	69	51	bc.bm	bm	11·9
	Walton-on-Naze		-	-	63	52	b.b3.b	b.b3	11·5
	Southend-on-Sea	8·0	-	-	69	55	b	b	11·5
England, S.E.	Margate	11·0	-	-	63	52	b	b	11·0
	Hastings	10·3	-	-	72	57	b	b	11·6
	Eastbourne	10·5	-	-	63	52	b	b	11·5
	Seaford	10·7	-	-	76	52	b	b	11·4
	Brighton	.	-	-	76	54	b	b	12·0
	Worthing								
	Littlehampton	.	-	-	67	51	-	-	12·3
	Bognor								
	Bournemouth	8·2	-	-	72	50	b	b	12·5
England, S.W.	Weymouth		x	x					
	Torquay	9·4	-	-	64	50	b	b.bc.c.o	10·4
	Paignton	.	-	-	62	49	b	b.bc	10·9
	Penzance	11·1	-	-	65	55	bc	bc.o	7·0
	Newquay								
	Bude	11·9	-	-	79	53	b	b	10·5
	Ilfracombe								
	Weston-s-Mare								

REPORTS FROM FOREIGN STATIONS FOR Saturday, 26th MAY.

	STATIONS.	Evening of 25th. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	Morning of 26th. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours. ‡	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.						°F.	°F.					°F	°F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel	1017·8	30	N	2	b	1017·7	+4	30	+5	W	2	b	6	*	21
	Gorki	.	.	.	.	.	1017·9	-	54	-3	E	1	b	-	*	46
	Velieki Luki	1016·6	63	WNW	1	o	1021·7	*	55	-6	ENE	2	o	-	*	48
	Hangö	1020·3	54	ESE	3	o	1025·2	+3	46	-4	ESE	3	c	-	*	43
	Riga	1015·1	66	ENE	1	o	1019·8	+2	61	+6	ENE	3	b	-	*	55
	Petrograd	1022·4	46	ENE	3	o	1027·1	+2	48	-2	ENE	3	b	-	55	39
	Moscow	1019·9	48	NNE	3	b	1023·7	+3	48	-4	ENE	2	b	-	*	39
	Kiev	1017·2	63	W	2	b	1015·0	-1	63	+6	S	1	b	-	*	52
	Kharkov	1016·4	66	SW	1	bc	1016·2	o	59	+2	WSW	1	b	-	*	48
	Kishinev	1017·1	64	SE	2	b	1014·9	-2	61	+4	NW	1	b	-	*	55
	Elisabetgrad	-	-	-	-	-	1014·9	-1	59	+4	WSW	1	b	-	*	39
	Nicolaiev	1019·7	61	WSW	1	b	1017·7	*	61	+6	-	o	b	-	*	50
	Odessa	1020·0	63	WSW	3	b	1017·6	-1	63	+4	W	3	bc	-	*	55
	Tarkhankout	1020·7	55	E	6	b	1018·1	*	59	-	SE	2	b	-	*	55
	Soukhoum	-	.	.	.	.	.	.	.	.	.	.	.	.	*	.
Mediterranean.	Venice	1020·5	73	WSW	1	bc	1018·2	*	66	+3	-	o	b	-	77	63
	Pesaro	1022·5	63	W	1	b	1020·2	*	61	+6	-	o	c	-	75	50
	Rome	1021·9	64	-	o	b	1021·3	*	61	o	-	o	o	-	77	54
	Viesti	1022·1	66	WNW	2	b	1019·5	*	70	+6	-	o	bc	-	72	61
	Brindisi	1020·3	64	NW	2	b	1018·2	*	64	+5	NW	2	b	-	68	59
	Cagliari	1021·9	74	NE	2	b	1020·7	*	63	+2	NW	3	b	-	73	55
	Palermo	1021·9	66	-	o	b	1021·5	*	63	+1	-	o	b	-	77	50
	Tripoli							*								
	Algiers	1021·5	66	NNE	8	b	1020·7	+1	64	+1	SSE	2	m	-	72	59
Sweden.	Hernösand	1022·4	50	NE	4	b	1026·3	*	54	+2	N	2	b	*	*	*
	Stockholm	1018·9	57	NE	2	b	1026·0	*	54	-1	NNE	2	b	*	*	*
	Wisby	1016·3	52	NW	2	b	1021·1	*	54	o	NNW	2	b	*	*	*

Iceland.	Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather
		°F	°F			
Isafjord	1002·6	50	o	S	8	bc
Reykjavik	1003·5	48	-4	SSE	2	o
Vestmanna						
Seydisfjord	1005·2	46	-6	-	o	b
Thorshavn	1013·4	52	+3	SW	5	m

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

27th and 28th MAY, 1917.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	3.44 / 3.42	11.50 / 11.50	7.57 / 7.58
Greenwich	3.56 / 3.54	11.57 / 11.57	7.58 / 8.0
Wick	3.26 / 3.24	12.9 / 12.9	8.53 / 8.55
Valencia	4.35 / 4.34	12.38 / 12.38	8.41 / 8.42

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers. Single copies 1d. at M.O.

‡ The barometric change is expressed in half-millibars.

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TEMPERATURE, WEATHER AND SEA DISTURBANCE

THE MORNING OF Sunday, 27th MAY, 1917.

General Inference

Pressure conditions are likely to remain irregular and weather unsettled generally.

FORECAST DISTRICTS.

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 ½ clouded. ◍ sky ⅞ clouded. ◍ overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤, thunder. ⊼, thunderstorm.

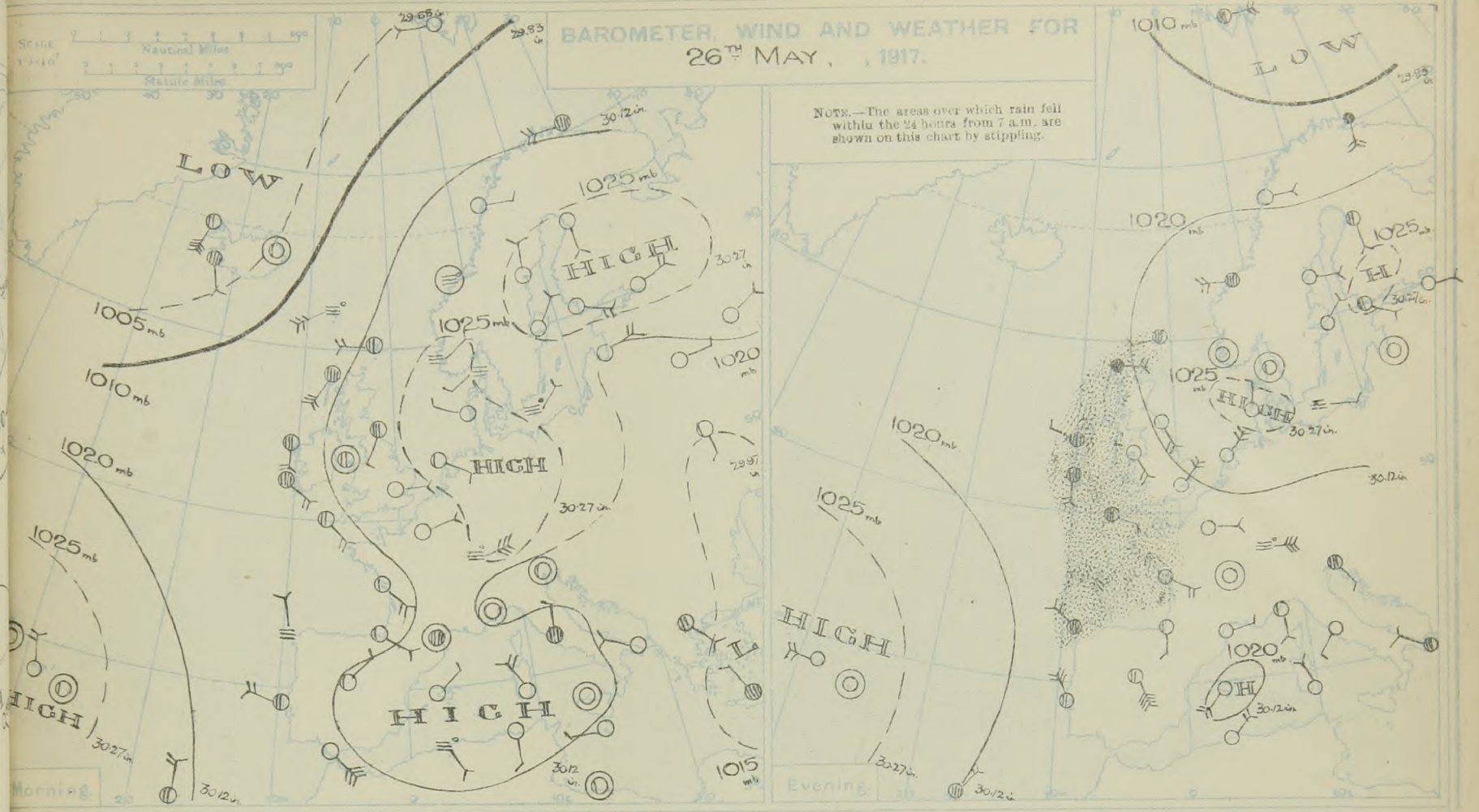
SEA DISTURBANCE.—Rough ~~ High ≈≈

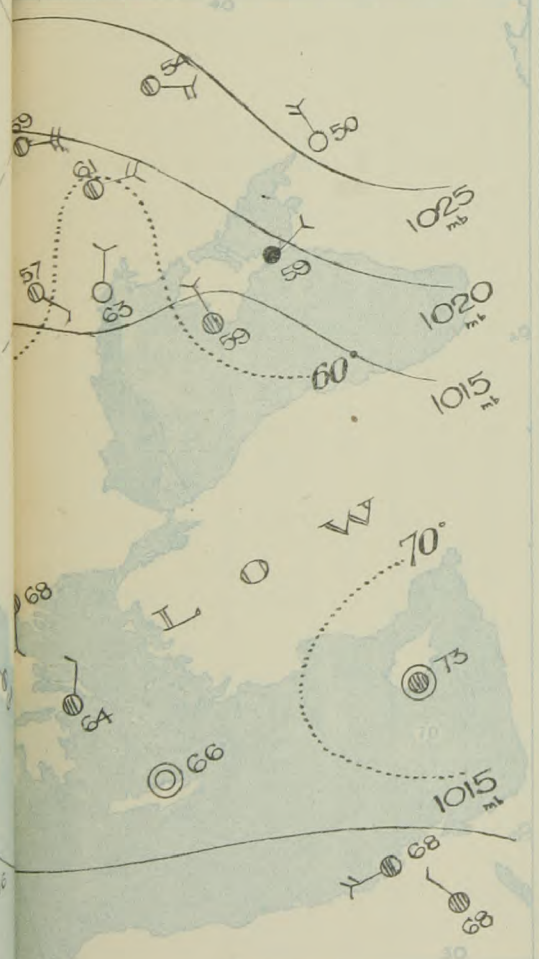
1005 mb. LOW 29.68in. 29.83in. 1010 mb 1015 mb 1020 mb 1025 mb. 1030 mb HIGH 30·42 in. 30·27 in. 30·12 in. 29·97 in. Barometer rising Barometer Stationary 40° 50° 60° 70°

Normal Temperature of the Sea

Below 40° 40-50° 50-60° Above 60°

Scale of Tints for MAY.





Forecasts 18h. Sunday to 18h. Monday

0 Indefinite winds; unsettled, showery; rather warm.

1, 2, 3, 4, 5 Moderate SE. or indefinite winds, unsettled, showery, tendency for thunderstorms; warm.

6 Same as No. 0

7 Indefinite winds and unsettled weather, tendency for thunderstorms; warm.

8 Moderate W. winds; cloudy, some showers; warm.

9, 10 Same as No. 7

11 Moderate or fresh NW. winds; moderate to rather rough sea; fair.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 147 {Sunday, 27th MAY

STATIONS	Evening of 26th: Barom. Millibars at M.S.L.	Temp. °F.	Wind: Direc.	Wind: Force 0-12.	Weather.	Morning of 27th: Barometer: Millibars at M.S.L.	Barometer: Change in 3 hours. ‡	Temp.: Dry Bulb. °F.	Temp.: Change in 24 hours. °F.	Wind: Direc.	Wind: Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	24 hours ended 7 A.M.: Rainfall. Millimetres.	Temp.: Max. °F.	Temp.: Min. °F.	Weather: Morning.	Weather: Afternoon.	Weather: Night.	Sunshine for 26th. Hours.
BRITISH ISLANDS.																					
Lerwick ...	1023·6	55	SW	1	cm	1018·8	−1	52	−5	S	4	S	c	4	0·1	66	50	bcm	bcm	cm	*
Deerness (Orkney)	1021·0	52	ESE	3	om	1015·6	*	50	−7	SE	4	S	om	4	1	60	48	c	om	om	6·7
Stornoway ...	1018·6	52	E	3	ob	1011·3	−1	54	0	S	1	—	om	0	12	63	51	o.c	c.op	a.clr.m	3·0
Castlebay (Barra Isd.)																					
Glasgow ...	1016·3	64	E	2	cm	1012·0	+2	55	−2	—	0	S	c	*	0·1	72	53	omdpe	c.otdp	c.bc.bm	2·7
Eskdalemuir ...	1016·4	65	ESE	4	bcmz	1012·9	+2	59	+4	NE	2	S	czw	*	—	71	54	bcz.oz	oz.cz	bz.o.cz	4·1
Malin Head ...	1013·7	54	SE	2	cm	1011·3	+1	51	−6	NW	1	-	fe	2	4	59	50	omr	cm	fe	1·6
Blacksod Point	1013·5	52	WNW	1	ome	1010·3	0	52	−2	ESE	1	—	bc	2	5	58	48	cm	omr	ome.bc	*
Valencia (Cahirciveen)	1013·8	56	S	3	o	1011·9	0	54	−2	SSW	2	SW	cp	2	12	61	50	o.or	op.o	o.c.orc	0·3
Roche's Point	1015·0	54	S	1	mr	1012·1	*	54	0	WSW	2	W	c	3	14	56	50	f.om	om.tlr	r.o.m.c	*
Birr Castle ...	1014·3	54	SW	1	r	1011·0	*	54	−2	SSW	1	—	o	*	30	63	49	ot	thr.or	o	0·0
Donaghadee ...	1013·9	54	SSE	3	cf	1009·8	−2	51	−2	SE	2	-	ofr	2	26	60	49	cf	cf	of.tlr	*
Liverpool (Bidston)	1015·3	73	E	3	bc	1010·6	−2	52	0	ESE	3	E	c	3	—	76	57	b	b	bc	11·7
Holyhead ...	1013·6	70	SW	3	cg	1009·6	−2	55	−1	SW	3	—	orm	2	16	75	51	bc.o.c	c.bc.bc	c.tlr.o	7·8
Pembroke (St. Ann's)	1015·5	56	SSW	3	of	1011·8	+2	51	−7	WNW	2	-	f	2	33	67	49	c.bc	bc.c.o	rl.f	7·6
Scilly (St. Mary's)	1014·6	57	ESE	1	cm	1013·9	+1	53	−1	WNW	3	NW	bc	3	4	61	51	bcm	c.omrt	om.c.bc	5·1
Falmouth ...	1015·2	60	SE	1	o.tlr	1012·9	+4	55	−1	NW	4	—	o	*	16	62	53	bc.b	o.tlp.c	tlrh.c	6·5
Jersey (St. Aubin)	1014·4	75	E	2	b	1012·5	*	54	−11	W	3	-	ome	3	4	78	54	b	b	o.cl.or	12·3
Portland Bill ...	1016·1	55	E	4	bc	1012·0	+1	55	0	—	0	S	cr	3	5	58	52	b.bc	bc	c.tlr	*
Dungeness ...	1018·6	55	NE	4	b	1012·8	−1	56	+1	E	3	-	b	3	—	61	52	bz	b	b	*
Dover	1019·6	63	NE	4	b	1015·6	*	63	+3	ESE	4	-	b	2	—	70	56	b	b	bz	13·9
Wick	1020·2	55	SSE	1	m	1015·0	−2	49	−4	SE	3	-	c	4	1	59	46	om.bcm	bc.omp.	omg.cm	*
Nairn	1016·6	67	SE	1	omu	1013·2	*	56	−4	—	0	—	om	1	0·2	67	52	cg	cp.o	omw	4·1
Aberdeen ...	1021·1	58	—	0	bcz	1017·1	−1	54	−5	ESE	2	—	b	2	—	66	48	cm.oz	bcz.oz	bc.o.bc	2·4
Leith	1017·2	58	E	1	c	1013·1	0	54	−5	E	2	SE	bc	3	—	62	48	om.o.c	cz.c.o	cz.c.bc	*
Tynemouth ...	1019·6	55	SSE	3	bmq	1015·5	−3	52	−5	SSE	2	-	bm	3	—	65	48	bcm	bmq	bm	*
Spurn Head ...	1020·3	57	SE	5	bcm	1015·6	−1	54	−1	SE	5	-	bcm	5	—	61	50	bcm	bcm	bcm	8·0
Yarmouth (Gorleston)	1021·6	55	SE	4	b	1016·1	0	55	+1	SSE	7	-	b	7	—	72	50	bcm	b	b	12·9
Clacton-on-Sea	1020·7	58	E	3	b	1015·0	0	57	0	E	4	—	b	3	—	61	55	bz	bz	bz	13·6
Nottingham ...	1018·2	71	SE	3	b	1012·9	*	62	+1	SE	3	SE	b	*	—	76	53	bm	b	b	10·9
Benson (Oxon.) ...	1017·4	71	ESE	4	b	1011·7	−3	64	+2	SSW	4	S	b	*	—	76	56	b	b	b	*
Sth Farnborough	1016·8	75	SE	3	b	1011·6	−3	64	+2	ESE	3	—	bw	*	—	78	53	b.bc.b	bz	bw	13·5
London (Kew Obsy.)	1018·4	69	ESE	4	bz	1012·8	−2	62	+1	E	2	SE	bm	*	—	77	56	bmw.bw.b	b.bz	bz.bm.bm	12·9
NORTHERN EUROPE.																					
Spitsbergen ...	1006·6	28	N	1	b	1005·4	+1	21	−6	—	0	*	b	*	*	28	16				
Vardö	1011·7	39	S	4	r	1005·9	0	39	+2	NE	1	—	o	3	*	39	28				
Bodö	1019·4	48	E	2	o	1019·5	+1	45	−5	SW	6	—	r	4	?	55	43				
Christiansund ...	1024·3	54	W	4	o	1025·1	0	54	−3	—	0	—	f	3	—	68	50				
Skudesnaes ..	1024·6	61	—	0	b	1023·9	0	55	+5	NE	1	—	bc	1	—	61	48				
Færder (X'lania Fjord)	1024·3	54	S	1	m	1025·1	0	54	+6	NNW	1	—	f	1	—	54	46				
The Scaw (Skagen)	1023·8	59	—	0	b	1026·4	0	59	+11	—	0	-	b	0	—	63	46				
Blaavands Huk	1025·2	57	N	1	b	1024·6	0	59	+7	SE	1	-	b	*	—	61	46				
Copenhagen ...	1025·2	61	NNE	1	b	1026·1	0	59	+4	NNE	1	-	b	*	—	61	54				
Bornholm ...	1024·8	55	E	1	m	1024·7	0	52	+2	E	3	—	m	0	—	59	46				
FRANCE, &c.																					
The Helder ...	1023·3	63	NE	4	b	1019·9	0	63	+6	E	2	—	b	1	—	63	57				
C. Gris Nez ...	1019·1	60	NE	4	b	1013·7	−2	67	+2	ESE	3	*	b	2	—	75	57				
La Hève	1016·6	70	E	3	b	1012·2	*	64	—	E	4	*	m	2	—	77	63				
Brest (St. Mathieu)	1013·6	64	SW	1	c	1015·7	+3	56	−8	W	3	*	o	4	1	51	54				
Rochefort (Ile d'Aix)	1013·7	82	ESE	3	b	1014·0	0	61	−4	WNW	2	*	o	*	Trace	91	61				
Biarritz	1012·7	89	S	1	b	1016·2	−1	61	−13	W	3	*	o	3	—	91	59				
Paris	1017·5	?57	E	2	b	1013·2	−1	67	+1	ESE	2	—	b	*	—	82	57				
Belfort	1018·9	69	E	6	m	1016·0	*	61	0	E	6	*	m	*	—	76	51				
Lyons	1015·4	69	—	0	b	1012·8	*	79	?...	—	0	*	b	*	—	82	56				
Nice	1014·7	68	S	2	b	?1013·0	0	60	−8	—	0	*	b	0	—	77	55				
Perpignan ...	1016·0	70	NE	1	b	1012·8	−2	70	+7	NW	3	—	b	*	—	72	59				
Sanguinaire ...	*					*	*					*									
SOUTHERN STATIONS.																					
Corunna	1019·9	61	NW	3	o	1021·1	+1	59	−2	NNW	5	—	c	2	2	63	55				
Madrid	1013·5	82	SSE	8	bc	?1012·7	0	66	−2	S	1	-	b	*	—	84	57				
Lisbon	1017·0	66	NW	5	bc	1015·1	0	66	−1	NNW	4	NW	bc	*	—	73	57				
Azores (Horta) ...	1029·1	*	E	4	b	1029·5	+1	59	+2	NNE	4	*	o	2	—	66	57				
Madeira	1020·0	68	NE	3	o	1021·3	0	59	−4	NE	3	—	b	4	—	68	59				
Gibraltar							*					*									
Malta	*	*	*	*	*	1016·2	0	66	0	W	2	—	b	1	—	73	61				
Limassol	*	*	*	*	*	1011·9	+1	73	+5	—	0	W	o	4	—	75	54				
Alexandria ...	1014·0	66	NNW	2	b	1016·0	+1	68	+2	W	3	W	c	2	—	75	61				
Cairo (Helwan) ...	1013·1	75	NW	1	c	1016·7	+3	68	−2	N	1	—	o	*	—	86	63				

RAINFALL.

Equivalents of Millimetres in Inches.

mm.	Inches.	mm.	Inches.
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·10
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69
19	0·75	44	1·73
20	0·79	45	1·77
21	0·83	46	1·81
22	0·87	47	1·85
23	0·91	48	1·89
24	0·95	49	1·93
25	0·98	50	1·97

LONDON OBSERVATIONS.

	Humidity: 25 h. 26th	Humidity: 9 h. 27th	Sunshine for 26th	24 hours ended 9 h. 27th: Temperature: Max.	Temperature: Min.	Temperature: Min. on Grass.	Rainfall.	Weather: Morning.	Weather: Afternoon.	Weather: Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	59	52	13·8	77	52	43	—	b	b	b.bz
CITY (Bunhill Row)	*	*	11·3	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	72	77	12·1	77	57	53	—	b	b	b.bc
CAMDEN SQ. (British Rainfall) ..	49	52	11·0	81	54	51	—	b	b	*
HAMPSTEAD (Reservoir)	*	55	12·7	74	53	46	—	bz	bc	bcm
S. KENSINGTON (Museum Grounds)	*	52	11·7	73	58	53	—	b	b	b.bc

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during 26th.

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
2021	38·1	76

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

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

Issue No. 20276 **DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917.** Monday 28th MAY.

YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON Sunday 27th MAY 1917.

Temperature rose to 75° at Nairn and to a few degrees higher in central and southern England. Heavy rain was experienced in some north-western localities, and a thunderstorm occurred at South Farnborough and Leith. Bright sunshine was abundant in the south and south-east.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR Sunday 27th MAY UP TO 17 H.

	STATIONS.	Sunshine for 26th	Rainfall Night 17h-9h.	Rainfall Day 9h-17h.	Temperature Max.	Temperature Min.	Weather Forenoon.	Weather Afternoon.	Sunshine to 17 h. 27th
			Mm.	Mm.	°F.	°F.			Hr.
Scotland.	Oban	0.6	20	11	60	54	or.o	or.o	0.0
	Banff								
	Montrose	4.8	—	—	63	45	b	bc	7.0
	St. Andrews								
	Carnoustie	*	*	*	56	50	b	c.og.	6.8
Engl. N.E.	Harrogate	6.4	—	—	74	49	b	b.bc.c	8.6
	Skegness		—	—	63	52	b	b	11.9
Engl. N.W.	Morecambe								
	Southport	11.4	—	11	65	56	bc.c.or	r.omr	0.5
Midlands.	Leamington Spa								
	Malvern								
	Ross-on-Wye								
Wales.	Rhyl		—	9	64	56	r.cr	r.o	0.0
	Colwyn Bay	*	*	*	63	57	cp	cd.o	0.2
	Llandudno	*	*	*	69	55	r	r	0.3
	Aberystwyth	*	*	*	57	51	r.o.c	c.b.o	2.0

	STATIONS.	Sunshine for 26th	Rainfall Night 17h-9h.	Rainfall Day 9h-17h.	Temperature Max.	Temperature Min.	Weather Forenoon.	Weather Afternoon.	Sunshine to 17 h. 27th
			Min.	Mm.	°F.	°F.			Hr.
England, E.	Lowestoft								
	Felixstowe	13.7	—	—	62	53	bm	bm	12.3
	Walton-on-Naze								
	Southend-on-Sea	9.5	—	—	72	56	b	b.bc	12.0
England, S.E.	Margate	—	—	—	67	54	b	b	11.6
	Hastings	13.7	*	*	72	59	b	b	10.4
	Eastbourne	13.1	—	—	69	56	—	—	10.8
	Seaford		—	—	74	59	b	b	10.6
	Brighton		—	—	68	58	c	c3	9.5
	Worthing	—	—	—	68	58	c.bc	c	7.1
	Littlehampton		—	—	65	56	—	—	5.0
	Bognor	—	*	*	64	56	b.rg	r	3.0
	Bournemouth	13.0	10	6	60	55	r	r	0.0
England, S.W.	Weymouth								
	Torquay								
	Paignton								
	Penzance								
	Newquay	—	23	—	57	53	c	b	4.7
	Bude								
	Ilfracombe								
	Weston-s-Mare		*	*					

REPORTS FROM FOREIGN STATIONS FOR Sunday 27th MAY

	STATIONS.	Evening of 26th: Barom. Millibars at M.S.L.	Temp.	Wind Direc.	Wind Force 0–12.	Weather.	Morning of 27th: Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind Direc.	Wind Force 0–12.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					±	°F.	°F.					°F	°F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel	1021.5	?	WSW	4	o	1018.1	−5	48	+18	SW	3	bc	—	*	?
	Gorki	1022.1	55	E	2	b	1025.7	?	52	−2	E	3	o	—	*	48
	Velieki Luki	1023.9	57	—	o	b	1026.3	*	59	+4	SE	1	b	—	*	45
	Hangö	1026.9	50	ESE	2	bc	1026.3	+1	46	o	E	2	b	—	*	41
	Riga	1023.8	?	—	o	b	1025.0	o	63	+2	—	o	b	—	*	54
	Petrograd	1027.7	48	E	2	b	1027.7	o	46	−2	SE	1	b	—	54	37
	Moscow	1026.7	50	ESE	1	b	1029.7	+1	50	+2	ESE	2	b	—	*	37
	Kiev	1015.4	68	E	3	bc	1019.4	+4	59	−4	ESE	4	bc	—	*	57
	Kharkov	1019.3	61	E	3	b	1023.9	+4	54	−5	ESE	3	bc	—	*	46
	Kishinev	1014.7	64	SE	1	c	1016.0	—	57	−4	SE	1	bc	—	*	50
	Elisabetgrad	—	—	—	—	—	1018.4	+3	61	+2	ESE	3	c	—	*	55
	Nicolaiev	1016.0	63	—	o	b	1016.8	*	?	?	ENE	3	c	—	*	52
	Odessa	1016.0	64	W	2	b	1017.1	+2	63	o	NNE	2	b	—	*	55
	Tarkhankout	.	.	.	.	.	.	*	.	.	.	.	.	.	*	.
	Soukhoum	.	.	.	.	.	.	.	.	.	.	.	.	.	*	.
Mediterranean.	Venice	1014.5	64	SSE	1	c	1014.3	*	64	−2	SSE	1	o	7	77	59
	Pesaro	1013.8	68	E	1	c	1014.2	*	66	+5	E	1	c	—	84	59
	Rome	1017.0	66	SW	1	b	1014.2	*	64	+4	NNE	1	o	—	77	59
	Viesti	1016.2	66	W	1	b	1014.3	*	66	−4	NW	1	o	—	73	61
	Brindisi	1013.9	63	NW	2	c	1013.4	*	64	o	NW	2	c	—	72	63
	Cagliari	1017.8	73	NNW	2	b	1015.0	*	63	o	NW	1	b	—	73	54
	Palermo	.	.	.	.	.	1015.9	*	59	−4	—	o	b	—	73	50
	Tripoli	.	.	.	.	.	1019.1	*	64	—	—	o	b	—	71	55
	Algiers	1017.7	64	NE	3	b	1013.6	+1	63	−1	—	o	f	—	70	61
Sweden.	Hernösand	1022.3	52	E	2	b	1019.8	*	59	+5	E	1	b	*	*	*
	Stockholm	1019.0	59	NE	1	b	1024.6	*	64	+10	S	2	b	*	*	*
	Wisby	1016.4	54	SW	4	b	1025.7	*	55	+1	E	1	b	*	*	*

ICELAND.	Morning of 27th: Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind Direc.	Wind Force 0–12.	Weather
		°F	°F			
Isafjord	1019.3	45	−5	—	o	c
Reykjavik	1016.7	48	o	—	o	b
Vestmanna						
Seydisfjord	1018.7	46	o	—	o	b
Thorshavn	1015.5	48	−4	E	3	m

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

28th & 29th MAY 1917.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	3.41	11.50	7.58
	3.41	11.50	7.59
Greenwich	3.54	11.57	8.0
	3.53	11.57	8.1
Wick	3.24	12.9	8.55
	3.22	12.9	8.57
Valencia	4.34	12.38	8.42
	4.33	12.38	8.43

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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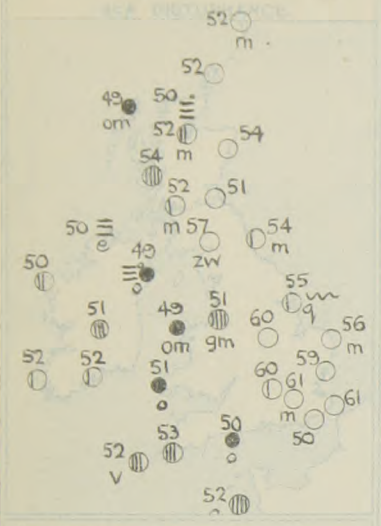
± The barometric change is expressed in half-millibars.

THE MORNING OF MONDAY, 28TH MAY, 1917.



General Inference

The depression over France and SE. England seems likely to maintain its position for the present.

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.

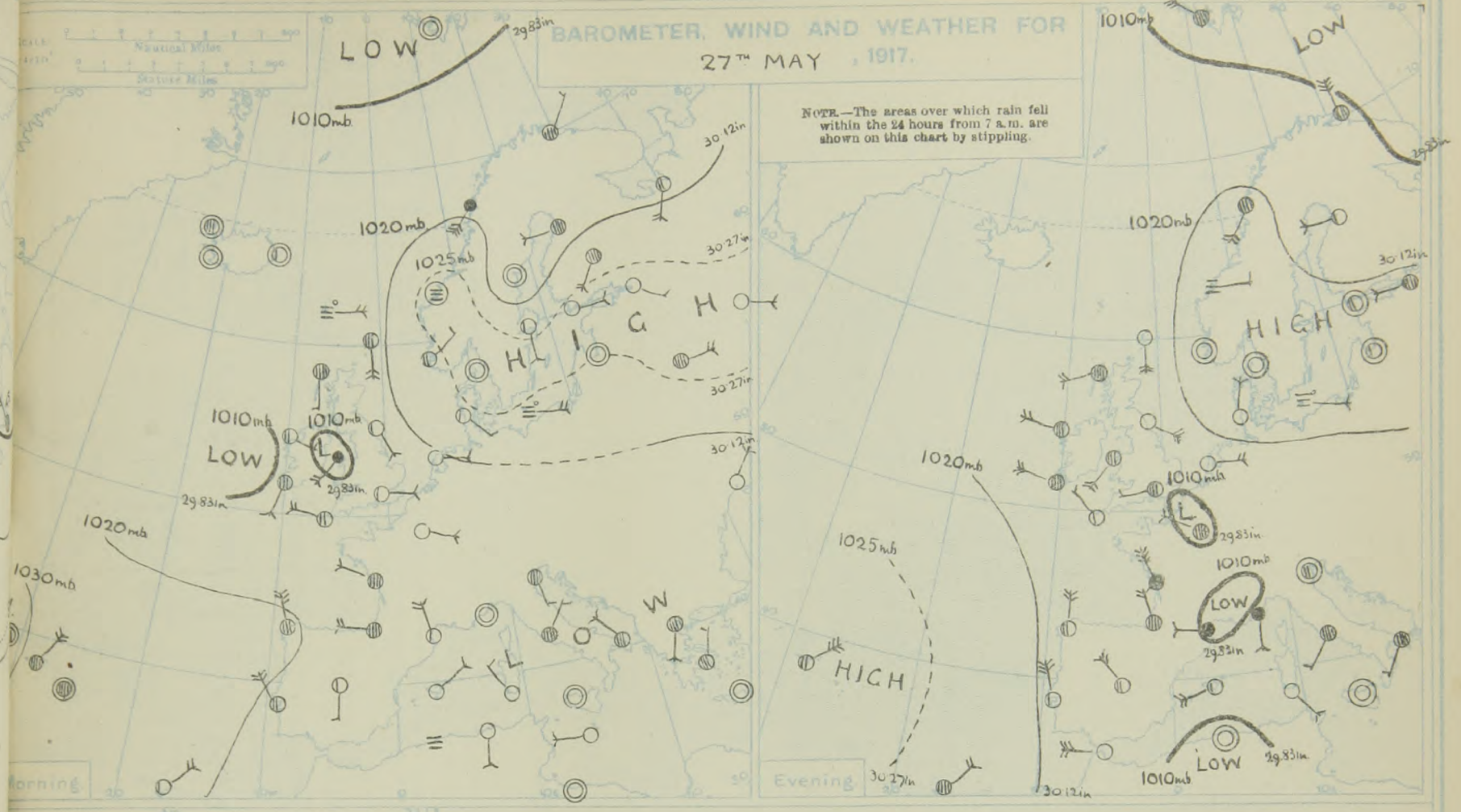
WEATHER.—Shown by the following symbols:—
◯ clear sky. ◐ sky ¼ clouded. ◑ sky ½ clouded.
◕ sky ¾ clouded. ● overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤, thunder.
⊼, thunderstorm.

SEA DISTURBANCE.—Rough ~~~. High ~~~.

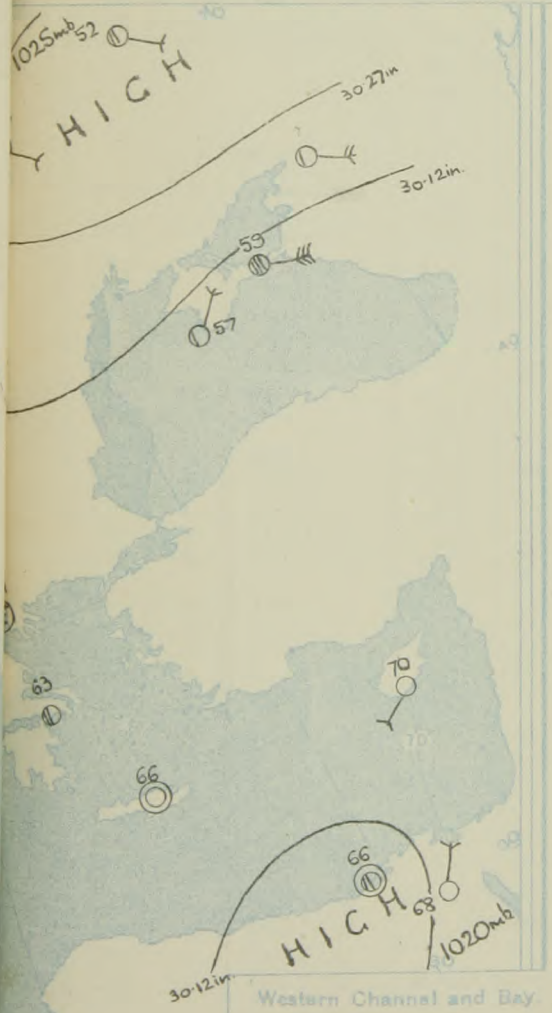
1005mb LOW 27 29.68in.
1010mb
1015mb
40°
1020mb
50°
60°
Barometer scarcely changing
1010mb LOW 29.83in.
1015mb
Barometer rising
1020mb
1025mb
1015mb rising
Bar. falling
1010mb LOW 29.83in.
HIGH 30.42in.
30.27in.
30.12in.
29.97in.
29.97in.

Normal Temperature of the Sea
Below 40° 40°–50° 50°–60° Above 60°
Scale of Tints for MAY

BAROMETER, WIND AND WEATHER FOR 27TH MAY, 1917.



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



Forecasts 18h. Monday to 18h. Tuesday

0 a, b, 1 — Light or moderate winds between S. and SE., or indefinite. Fair generally. Moderate temperature.

2 a, b — Moderate SE. winds; fair or fine but some tendency for thunder; warm.

3 — Moderate E. or SE. winds, fresh on coast; fine, but some tendency for thunder; warm.

4 a, b, c, 5 — Light E. or indefinite winds; variable cloud; fair to dull; some tendency for thunder; hot.

6 a, b — Light N. airs; dull, some rain; fairer intervals; cool.

7 b, 8 a, b — Moderate or fresh winds between N. and NW; fair; cooler than of late.

9 a, b, 10 a, b — Moderate or fresh NW. wind; moderate sea; fair.

11 — Moderate or fresh NW. wind; moderate sea; fair.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 148. {Monday 28th MAY

	STATIONS.	EVENING OF 27th					MORNING OF 28th									24 HOURS ENDED 7 A.M.						Sunshine for 27th
		Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12.	Weather.	Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1018·0	54	S	4	bm	1018·9	+1	52	0	S	4	—	bcm	4	—	58	48	bz	bz	bm	*
	Deerness (Orkney)	1013·4	51	SE	6	bc	1017·6	*	52	+2	SSE	3	—	b	3	—	65	46	om.c	c.bc	bc.b	7·6
	Stornoway ...	1012·6	56	SW	3	ofp	1016·0	+1	49	−5	NNW	3	—	orm	2	8	58	49	o.c.op	op	orfm	1·4
	Castlebay (Barra Isd.)																					
	Glasgow ...	1012·8	60	E	1	omg	1015·1	+1	52	−3	ENE	3	—	bm	*	2	66	49	c.oulp	opmu	ol.op.b	1·5
	Eskdalemuir ...	1013·3	60	—	0	o	1014·6	+1	57	−2	N	3	—	bzw	*	5	70	50	cz.oz	ctr.o	o.c.bzw	2·7
	Malin Head ...	1012·1	52	NNW	1	fe	1015·4	+1	60	−1	NW	1	—	fe	2	3	53	50	fe	fe	fe	0·0
	Blacksod Point	1012·5	53	WNW	3	c	1017·3	+2	50	−2	NW	3	NW	bc	2	—	57	45	bc	c	cg.bc	*
	Valencia (Cahirciveen)	1015·6	52	WNW	4	o	1018·2	+1	52	−2	N	2	N	b	3	1	56	47	c.bc	op.	c.bc.b	6·8
	Roche's Point	1013·4	61	SW	4	b	1015·8	*	52	−2	NNW	4	—	b	3	0.4	63	50	cp	bc.b	b	*
	Birr Castle ...	1011·9	63	W	1	c	1016·2	*	51	−3	NW	1	—	c	*	—	65	49	c	c	c	7·2
	Donaghadee ...	1011·6	50	SE	2	of	1013·4	+1	49	−2	NNW	4	—	omr	3	.10	58	47	ofr	of	of.ofr	*
	Liverpool (Bidston)	1012·5	54	W	1	r	1011·0	−2	51	−11	WNW	1	—	ogm	1	29	65	50	bc.or	or	orm	1·7
	Holyhead ...	1012·6	52	SW	4	c	1013·2	0	49	−6	NW	3	—	orm	2	16	60	48	orm.o.c	f.c	c.orm	0·0
	Pembroke (St. Ann's)	1014·3	54	SW	1	b	1012·7	0	51	0	N	1	—	or	2	0·2	55	48	fe.bc	bc	bc.c.or	8·5
	Scilly (St. Mary's)	1015·3	57	NW	1	b	1015·6	−1	52	−1	NNW	5	NW	cv	4	—	60	50	bc	bc	b.bc.cv	13·0
	Falmouth ...	1014·3	59	NW	2	b	1012·8	0	53	−2	NW	4	—	c	*	—	62	46	o.c.bc.c	b	b.bcw	9·4
	Jersey (St. Aubin)	1013·6	54	W	4	o	1012·3	*	52	−2	W	3	N	og	3	2	55	50	fed.op	og.o	ogr.og	0·0
	Portland Bill ...	1012·4	54	NW	2	c	1010·9	0	50	−5	NW	4	N	or	3	11	56	49	crf	f	c.or	*
	Dungeness ...	1009·4	60	ESE	2	b	1009·4	0	50	−6	E	1	—	b	1	—	63	46	b	bcz	bcf	*
	Dover	1010·5	71	SE	1	bc	1010·1	?	61	−2	SE	2	—	b	2	—	74	51	b	b.bc	bc.b	12·8
	Wick	1013·3	51	SE	3	c	?	+1	50	+1	SSE	2	—	m	3	—	53	46	cm	cm	bm	*
	Nairn	1011·7	61	—	0	c	1015·7	*	53	−3	—	0	—	bcm	1	1	75	46	cz	cpm	cpw	0·5
	Aberdeen ...	1015·6	55	SSE	2	b	1017·8	+1	54	0	ESE	3	—	b	2	—	59	44	bc.b	c	b	13·0
	Leith	1012·5	56	E	1	r	1015·6	0	51	−3	E	1	—	b	2	2	57	47	bc.c.o.c	c.o.tlr	r.om.cb	*
	Tynemouth ...	1013·5	54	SE	4	bmq	1015·3	0	54	+2	SSE	1	SE	bm	3	—	56	49	bmq	bmq	bm	*
	Spurn Head ...	1013·8	57	SE	6	bqr	1013·3	0	56	+1	SE	6	—	bqr	6	—	60	52	bqr	bqr	bqr	8·0
	Yarmouth (Gorleston)	1012·9	58	ESE	4	b	1011·6	+1	56	+1	SE	4	—	bm	4	—	61	53	bm	bm	bm	13·7
	Clacton-on-Sea	1011·6	60	E	4	b	1011·0	0	59	+2	ENE	3	—	b	3	—	62	55	bz	bz.bc.b	bz.bc.b	13·9
	Nottingham ...	1011·9	66	W	2	bc	1011·5	*	60	−2	NE	2	—	b	*	—	77	54	b	b.bc	bc	6·3
	Benson (Oxon.) ...	1011·2	64	—	0	o	1009·3	0	60	−4	E	1	—	b	*	5	71	57	bcr	bcr	o.bc	*
	Sth Farnborough	1010·2	65	NNW	1	o	1009·0	0	59	−5	N	2	—	om	*	4	74	56	b.o	op	opfl.om	5·0
	London (Kew Obsy.)	1010·5	69	WSW	1	c	1009·8	+1	61	−1	E	3	—	bm	*	—	78	55	bm	bcz.c.bc	c.o.bc.bmq	9·2
NORTHERN EUROPE.	Spitsbergen ...	1008·6	25	NW	5	o	1004·0	−1	27	+6	NNW	5	*	o	*	*	27	19				
	Vardö	1011·8	34	N	6	o	1011·1	−2	36	−3	N	7	—	o	3	*	36	32				
	Bodö	1022·9	43	SW	4	o	1020·8	0	43	−2	—	0	—	r	1	?	45	41				
	Christiansund ...	1023·0	63	E	1	f	1022·9	0	61	+7	—	0	—	b	1	—	64	50				
	Skudesnaes ..	1022·7	61	—	0	b	1021·9	0	63	+8	NE	1	—	b	1	—	61	52				
	Færder (X'lania Fjord)	1022·9	57	—	0	m	1021·0	0	54	0	NNE	1	—	m	0	—	61	52				
	The Scaw (Skagen)	1021·3	63	—	0	b	1023·0	+1	59	0	E	1	—	b	0	—	68	50				
	Blaavands Huk	1021·3	68	NNE	2	b	1020·3	−1	64	+5	ESE	3	—	b	?	—	70	46				
	Copenhagen ...	1022·7	64	—	0	b	1022·6	−1	57	−2	ENE	2	—	b	*	—	70	52				
	Bornholm ...	1022·4	50	ESE	2	m	1022·4	0	54	+2	ESE	3	—	b	0	—	54	46				
FRANCE, &c.	The Helder ...	1015·3	73	E	3	b	1014·4	0	59	−4	E	3	—	b	2	—	75	59				
	C. Gris Nez ...	1011·5	66	SE	1	b	1009·9	0	58	−9	E	2	*	b	1	—	81	46				
	La Hève							*					*									
	Brest (St. Mathieu)	1016·4	59	WNW	3	bc	1015·5	−1	56	0	NNW	4	*	bc	3	—	63	52				
	Rochefort (Ile d'Aix)	1013·7	59	NW	6	r	1015·3	+2	57	−4	NNW	5	*	o	*	—	70	55				
	Biarritz	1016·0	60	NNW	3	o	1016·0	+1	58	−3	NW	3	*	c	3	12	61	52				
	Paris	1009·7	70	NW	2	o	1007·8	+1	63	−4	NE	1	—	bc	*	—	81	67				
	Belfort	1010·9	68	E	6	m	1010·4	*	57	−4	E	4	*	m	*	—	73	50				
	Lyons	1009·0	65	W	5	tlr	1009·1	*	56	−23	—	0	*	r	*	49	83	57				
	Nice	1011·8	61	S	2	r	1011·5	+2	59	−1	—	0	*	o	0	3	68	57				
	Perpignan ...	1009·5	68	W	2	r	1012·7	+3	50	−20	NW	4	—	r	*	14	84	52				
	Sanguinaire ...	*					*	*					*									
SOUTHERN STATIONS.	Corunna	1014·9	61	N	4	bc	1022·4	+1	59	0	NNW	5	—	c	2	6	61	52				
	Madrid	?	74	NW	3	bc	?	+2	58	−8	E	2	SW	b	*	—	81	50				
	Lisbon	1018·0	61	NNW	5	b	1019·5	+2	57	−3	NNW	5	—	b	6	—	64	54				
	Azores (Horta) ...	1029·9	*	NE	5	bc	1030·4	0	59	0	NE	4	*	c	2	—	68	59				
	Madeira	1020·6	66	NE	3	o	1021·9	0	59	0	NE	3	—	b	3	—	68	59				
	Gibraltar	1013·9	68	W	5	b	1015·6	*	59		NW	4	*	b	3	—	77	68				
	Malta	*	*	*	*	*	1017·1	+2	66	0	SSE	3	—	b	0	—	75	61				
	Limassol	*	*	*	*	*	1018·1	+1	70	−3	W	2	—	b	2	—	75	52				
	Alexandria ...	1018·0	66	NNW	1	b	1021·0	+3	66	−2	—	0	NW	bc	0	—	75	61				
	Cairo (Helwan) ...	1016·6	72	—	0	o	1019·9	+3	68	0	NE	2	—	b	*	—	84	59				

RAINFALL

Equivalents of Millimetres in Inches.

mm.	Inches	mm.	Inches
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·10
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69
19	0·75	44	1·73
20	0·79	45	1·77
21	0·83	46	1·81
22	0·87	47	1·85
23	0·91	48	1·89
24	0·95	49	1·93
25	0·98	50	1·97

LONDON OBSERVATIONS.

	Humidity. 15 h. 27th	Humidity. 9 h. 28th	Sunshine for 27th	24 Hours ended 9 h. 28th. Temperature. Max.	Temperature. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Morning	Weather. Afternoon.	Weather. Night.
	%	%	Hours.	°F.	°F	°F	mm.			
GREENWICH (Royal Observatory)	53	68	10·7	77	51	40	—	b	b.c	bc
CITY (Bunhill Row)	*	*	10·7	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	78	62	9·9	77	57	52	—	bc	bc	b
CAMDEN SQ. (British Rainfall) ..	—	48	10·0	84	55	52	—	—	—	*
HAMPSTEAD (Reservoir)	*	65	11·7	75	53	42	—	bm	bc	bc
S. KENSINGTON (Museum Grounds)	*	55	9·5	78	58	52	—	b	bc.c	bc.b

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during 27th

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
1775	30·7	76

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

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

Issue No. 20,277.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. Tuesday 29TH MAY.

YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON Monday 28TH MAY 1917.

Temperature was variable, the maxima from 53° at Malin Head to 79° at Nairn. In a thunderstorm Jersey had 17 mm. of rain. Sunshine varied greatly, none or less than an hour in several localities, others exceeded 14 hours.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR Monday 28TH MAY UP TO 17 H.

	STATIONS.	Sunshine for 27TH	Rainfall. Night. 17h-9h.	Rainfall. Day. 9h-17h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 17 h. 28TH
			Mm.	Mm.	°F.	°F.			Hr.
Scotland.	Oban	0.0	7	–	59	51	0	6c,b	6.4
	Banff	11.7	–	–	69	47	b	b	12.0
	Montrose	7.0	*		56	49	c,b	0	11.1
	St. Andrews		–	–	55	47	b	b	12.2
	Carnoustie		*	*	60	53	b	b	12.2
Eng. N.E.	Harrogate	10.4	–	–	72	47	b	b	12.1
	Skegness	14.0	–	–	59	53	b	b	12.1
Eng. N.W.	Morecambe								
	Southport	0.8	5	–	73	51	b,bc	c,o,bc	8.5
Midlands.	Leamington Spa								
	Malvern								
	Ross-on-Wye		17	1	73	50	c,bep	bc,t	3.0
Wales.	Rhyl								
	Colwyn Bay								
	Llandudno		*						
	Aberystwyth				58	50	bc	o	3.5
England, E.	Lowestoft								
	Felixstowe	13.8	–	–	64	54	b	b	12.4
	Walton-on-Naze								
	Southend-on-Sea	13.8	–	–	71	56	b	b	12.3
England, S.E.	Margate								
	Hastings	11.1	*	*	72	52	bc	b	11.0
	Eastbourne	10.8	–	–	67	50	bc,b	b	8.7
	Seaford	10.6	*	*	72	54	f,b	bc,b	9.5
	Brighton	9.5	1	–	74	56	b	b	10.5
	Worthing	7.1	1	–	70	58	bc,b	b	8.2
	Littlehampton								
	Bognor								
	Bournemouth	0.0	26	6	70	49	r	bc,tr	3.2
England, S.W.	Weymouth								
	Torquay		–	1	?	51	op	o	0.1
	Paignton								
	Penzance								
	Newquay								
	Bude								
	Ilfracombe								
	Weston-s-Mare		16	1	60	50	r,c,bc	b,bc	4.0

REPORTS FROM FOREIGN STATIONS FOR Monday 28TH MAY

	STATIONS.	Evening of 27TH: Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12.	Weather.	Morning of 28TH: Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					‡	°F.	°F.					°F	°F
RUSSIA 7 a.m. and 9 p.m. Local Time.	Archangel	1010.0	48	O	–	o	1009.7	+2	46	-3	NW	3	o	–	*	41
	Gorki						1022.3	*	55	+3	E	1	b	–	*	46
	Velieki Luki														*	
	Hangö	1023.4	50	W	1	bc	1022.7	0	50	+4	WNW	1	c	–	*	41
	Riga	1023.1	54	–	o	b	1023.5	0	59	-4	–	o	bc	–	*	?
	Petrograd	1021.0	57	W	2	o	1018.6	0	50	+4	WNW	3	o	–	63	46
	Moscow	1024.8	59	SSW	2	b	1022.4	-3	64	+4	WSW	2	o	–	*	46
	Kiev	1021.2	64	ESE	3	bc	1021.4	+2	57	-2	SE	2	o	–	*	54
	Kharkov	1024.4	55	ESE	2	b	1026.3	+2	52	-2	SE	2	bc	–	*	39
	Kishinev														*	
	Elisabetgrad	1020.6	66	SE	2	b									*	
	Nicolaiev							*							*	
	Odessa														*	
	Tarkhankout	1017.2	61	E	5	b		*							*	
	Soukhoum														*	
MEDITERRANEAN.	Venice	1013.7	63	E	1	bc	1015.5	*	61	-3	E	2	o	–	70	59
	Pesaro	1013.3	64	ESE	1	b	1015.4	*	63	-3	SE	1	o	–	75	54
	Rome	1013.7	66	SW	2	o	1015.1	*	70	+6	SE	1	c	–	73	59
	Viesti	1013.8	73?	SE	2	c	1016.7	*	66	o	SE	1	b	–	73	61
	Brindisi	1014.2	68	SW	1	o	1015.9	*	63	-1	SSW	1	b	–	68	63
	Cagliari	1012.5	75	SE	2	b	1012.6	*	59	-4	NW	3	b	–	79	52
	Palermo	1014.3	70	–	o	b	1015.0	*	61	+2	–	o	b	–	73	50
	Tripoli						1021.6	*	77	+13	SE	1	b	80	72	57
	Algiers	1009.2	68	–	o	b	1010.0	+1	68	+5	SSE	1	m	–	75	63
SWEDEN.	Hernösand						1022.8	*	61	+2	–	o	c	*	*	*
	Stockholm						1023.4	*	64	o	E	2	b	*	*	*
	Wisby						1023.8	*	59	+4	SSW	3	b	*	*	*

ICELAND.	Morning of 28TH: Baron. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc	Wind. Force 0-12.	Weather
		°F	°F			
Isafjord	1017.2	41	-4	NE	4	bc
Reykjavik	1010.7	46	-2	ENE	1	b
Vestmanna						
Seydisfjord	1010.0	41	-5	NE	2	r
Thorshavn	1016.5	52	+4	WNW	2	o

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

29TH and 30TH MAY 1917.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	3.41 / 3.40	11.50 / 11.50	7.59 / 8.0
Greenwich	3.53 / 3.52	11.57 / 11.57	8.1 / 8.2
Wick	3.28 / 3.20	12.9 / 12.9	8.57 / 8.58
Valencia	4.33 / 4.32	12.38 / 12.38	8.43 / 8.44

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar-frost; z. dust-haze, or smoke.

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‡ The barometric change is expressed in half-millibars.

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TEMPERATURE, WEATHER AND SEA DISTURBANCE.

FORECAST DISTRICTS.

THE MORNING OF Tuesday, 29th MAY, 1917.

GENERAL INFERENCE

No important change is indicated

EXPLANATION.

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

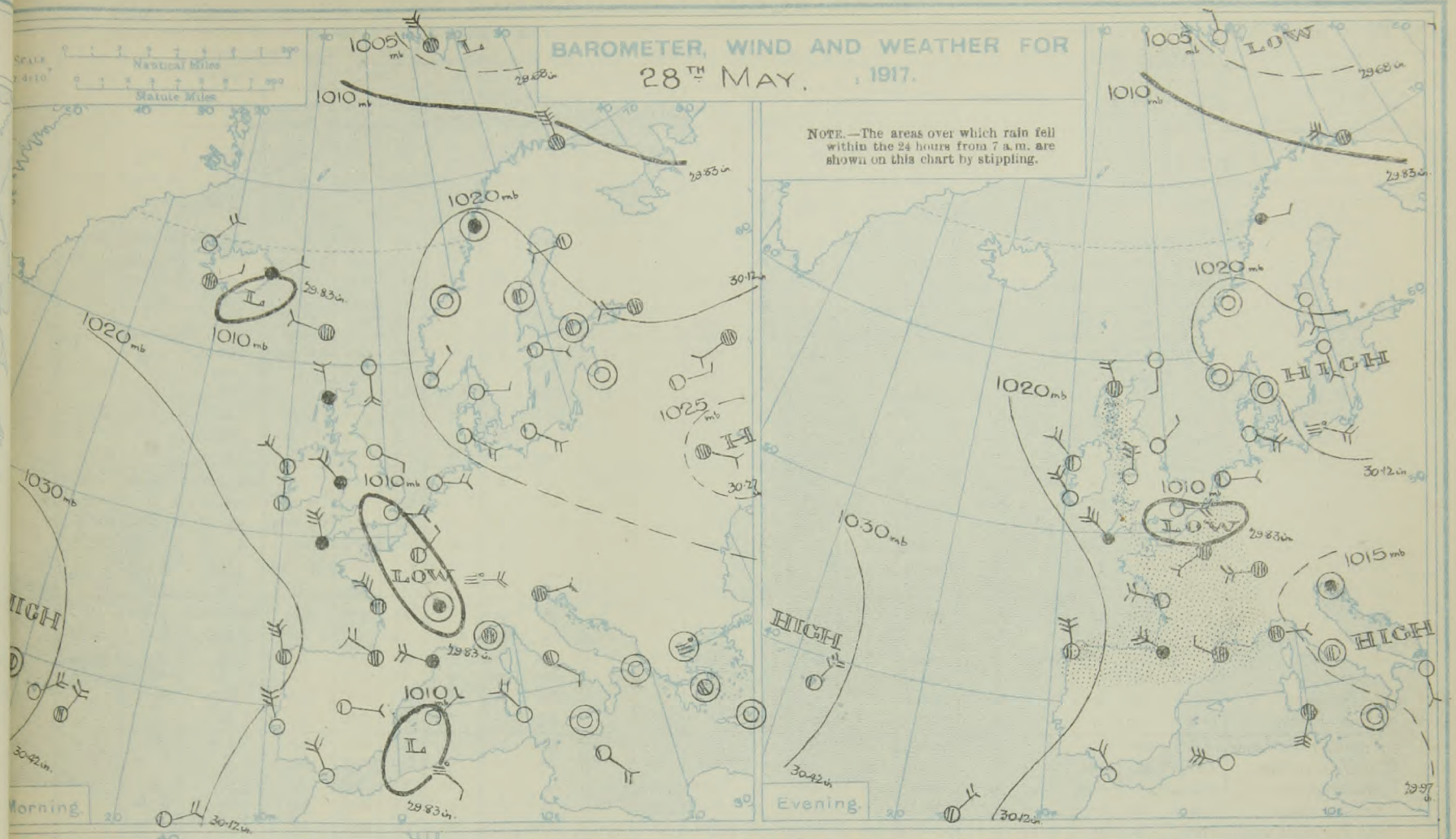
WIND.—Direction is shown by arrows flying with the wind.
Force, on the scale 0–12, is indicated by the number of feathers. Calm ◯

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

WEATHER.—Shown by the following symbols :—
◯ clear sky. ◐ sky ¼ clouded. ◑ sky ½ clouded. ◍ sky ¾ clouded. ⬤ overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. T, thunder. K, thunderstorm.

SEA DISTURBANCE.—Rough ~~~. High ≈≈≈.

Normal Temperature of the Sea.
Below 40° | 40°-50° | 50°-60° | Above 60°
Scale of Tints for MAY.



Forecasts 18h. Tuesday to 18h. Wednesday

0 a b
1
2 a b

Variable N. breeze; mostly light; fair to fine; local coast mist or fog; moderate temperature.

3
4 a b c
5

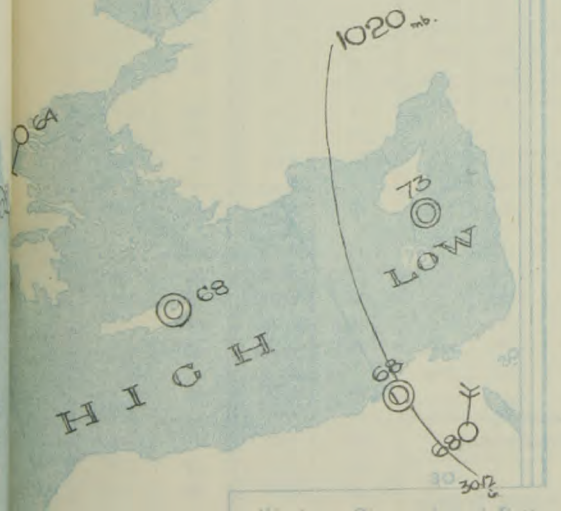
Light NE.-N. breeze; fair to fine, tendency for local thunder; warm.

6 a b
7 a b
8 a b
9 a b
10 a b

Same as Nos. 0, 1 and 2

11

Moderate N. or NW. wind; mostly fair; moderate sea.



FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 149. {Tuesday, 29th MAY

	STATIONS	EVENING OF 28th					MORNING OF 29th								24 HOURS ENDED 7 A.M.						Sunshine for 28th
		Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12.	Weather.	Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Hours.
			°F.					‡	°F.	°F.							°F.	°F.				
BRITISH ISLANDS.	Lerwick ...	1015·2	53	S	3	bm	1016·3	0	49	−3	NE	3	–	f	3	–	58	47	bm	bm	bmf	*
	Deerness (Orkney)	1016·6	54	S	4	b	1016·2	*	48	−4	N	4	–	f	3	–	56	46	b	b	b.bcf	14·7
	Stornoway ...	1018·8	50	NNW	3	o	1017·4	−2	49	0	N	1	–	bc	0	Trace	55	40	o.c.om	om.o	b.bc	0·2
	Castlebay (Barra Isd.)																					
	Glasgow ...	1014·3	65	E	3	cm	1015·6	0	47	−5	E	2	–	me	*	7	70	46	b	b.bc.om	dr.bm	10·1
	Eskdalemuir ...	1014·4	68	SE	4	b	1014·3	−1	59	+2	N	1	–	bw	*	–	73	44	bz.b.bc	bc.b	bz.b.bm	14·0
	Malin Head ...	1018·6	51	NW	1	cv	1017·5	0	50	0	NNW	2	–	bc	2	–	53	48	bc	cv	bc	3·7
	Blacksod Point	1019·1	54	NW	3	bc	1018·4	−1	50	0	–	0	–	bc	1	–	56	47	bc	bc	bc	*
	Valencia (Cahirciveen)	1019·6	56	NNW	4	b	1019·7	0	53	+1	NNW	2	–	b	3	–	58	49	c.bc	b	b	14·5
	Roche's Point	1017·1	60	NW	4	o	1017·7	*	52	0	NNW	4	N	b	3	–	62	49	b.bc	bc.o	o.b	*
	Birr Castle ...	1017·7	60	NW	1	o	1019·4	*	51	0	N	2	–	c	*	–	62	48	c	o	c	3·0
	Donaghadee ...	1018·9	51	N	5	bcx	1018·4	0	47	−2	N	4	N	bcx	3	0·2	54	47	bzm	bcx	bcm	*
	Liverpool (Bidston)	1013·3	58	W	3	b	1013·5	0	51	0	W	2	W	c	2	–	57	49	ogm	bc.b	b.o.c	5·7
	Holyhead ...	1014·1	50	N	5	bm	1014·6	+1	49	0	N	4	–	bm	3	8	55	47	or.bc	bcm	bcm	1·3
	Pembroke (St. Ann's)	1013·3	52	N	4	c	1014·1	+3	50	−1	N	5	N	bcq	4	3	55	42	orf	f.o.cq	cq l.qp	0·0
	Scilly (St. Mary's)	1014·8	53	NW	5	omr	1015·1	+1	53	+1	N	4	NE	cm	5	3	55	51	c.om	om.omr	omr.cm	0·5
	Falmouth ...	1012·2	53	NW	4	odm	1013·0	+3	52	−1	N	4	–	o	*	–	58	51	c.o	c.oq.om	o	1·4
	Jersey (St. Aubin)	1011·4	52	W	4	gp	1011·0	*	52	0	WSW	3	–	dm	3	17	56	51	og.c.og	og.op	dr.cd	0·8
	Portland Bill ...	1010·1	55	NW	3	c	1010·0	0	61	+11	NNE	3	–	b	2	8	61	49	or	o.cp	c.bcl	*
	Dungeness ...	1009·1	60	NE	4	b	1009·3	+2	60	0	SW	2	–	f	2	–	64	46	f.bc	bc	b.bf	*
	Dover	1009·5	58	NNE	4	b	1011·9	*	50	−11	SW	2	–	o	2	–	?	50	b	b	efe	14·2
	Wick	1017·0	55	SE	3	bc	1016·7	−1	49	−1	NW	2	–	m	2	–	59	47	bm	bm.bcm	f.om	*
	Nairn	1015·6	65	W	1	bc	1016·4	*	52	−1	E	1	–	og	1	0·4	79	50	bc	bc	bup	12·7
	Aberdeen ...	1017·7	54	SE	2	b	1016·0	−1	49	−5	NW	3	–	o	2	–	60	46	b	b	b.o	14·5
	Leith	1015·3	55	E	1	b	1015·4	0	49	−2	NE	1	–	om	2	–	57	47	b	b	b.bm.om	*
	Tynemouth ...	1016·1	53	NE	1	bm	1014·6	−1	52	−2	NNW	2	–	bm	3	–	57	45	bm	bm	bm	*
	Spurn Head ...	1014·9	55	E	4	b	1013·1	−1	52	−3	N	5	–	cq	4	–	57	49	b	b	b	7·2
	Yarmouth (Gorleston)	1011·5	56	ENE	4	b	1010·1	0	57	+1	NE	3	–	bcm	3	–	61	50	bm	bm	bcm	14·0
	Clacton-on-Sea	1010·7	66	ENE	4	b	1010·6	0	58	−1	NE	2	–	bc	1	–	68	50	b	b	b.bc	14·4
	Nottingham ...	1012·4	67	ENE	4	b	1012·2	*	58	−2	NNE	2	E	b	*	–	74	50	b	b	b	14·5
	Benson (Oxon.) ...	1009·3	70	ENE	4	b	1011·2	+1	52	−8	N	3	–	o	*	–	76	50	bc	b	b.o	*
	Sth Farnborough	1008·9	70	E	2	b	1010·5	0	56	−3	NW	2	–	bcw	*	–	74	48	o.bc.c	c.bc.b	b.c.bcw	9·9
	London (Kew Obsy.)	1009·9	71	E	4	b	1011·3	+1	56	−5	NNW	1	–	bcm	*	–	74	52	bm.bz.b.bc	bc.b	b.om.bcm	13.5
NORTHERN EUROPE.	Spitsbergen ...	1004·7	25	N	1	b	1010·7	+3	28	+1	E	*	*	c	*	*	28	16				
	Vardö	1009·8	36	NW	S	o	1009·4	0	34	−2	NW	6	–	o	3	*	36	30				
	Bodö	1013·0	46	E	1	r	1013·0	−3	45	+2	SW	2	–	f	2	?	46	41				
	Christiansund ...	1021·0	63	–	0	b	1016·2	+1	59	−2	W	4	–	b	2	–	68	57				
	Skudesnaes ..	1020·0	59	–	0	b	1016·6	−3	63	0	ENE	3	–	b	1	–	68	52				
	Færder (X'landa Fjord)	1020·3	64	SW	1	bc	1017·9	0	59	+5	W	1	5	b	1	–	64	52				
	The Scaw (Skagen)	1019·8	68	–	0	b	1018·3	−3	61	+2	–	0	–	b	0	–	70	54				
	Blaavands Huk	1017·5	73	ESE	4	b	1013·4	−1	64	0	ESE	3	–	o	*	–	77	52				
	Copenhagen ...	1020·6	63	E	4	b	1017·2	−2	59	+2	E	2	–	b	*	–	68	54				
	Bornholm ...	1020·3	54	ESE	4	m	1018·3	−1	57	+3	SE	3	–	m	0	–	57	48				
FRANCE, &c.	The Helder ...	1011·5	70	E	2	b	1009·6	0	63	+4	NNE	1	–	b	1	6	73	59				
	C. Gris Nez ...	1003·4	?	NE	4	b	1011·4	+1	50	−8	SSE	4	*	f	3	Trace	68	48				
	La Hève	1010·0	46	W	5	r	1011·5	*	50	–	SW	4	*	o		10	?	?				
	Brest (St. Mathieu)	1018·0	55	NW	4	o	1013·4	+1	52	−4	NNW	3	*	m	3	3	57	50				
	Rochefort (Ile d'Aix)	1015·5	59	WNW	4	b	1015·0	0	57	0	WSW	4	*	c	*	–	?68	55				
	Biarritz	1016·4	59	NW	4	r	1017·4	+1	55	−3	SW	4	*	r	3	9	63	54				
	Paris	1016·3	54	WSW	3	r	1014·2	+2	55	−6	SSW	2	5	bc	*	1	70	48				
	Belfort	1013·0	55	W	4	o	1017·4	*	53	−4	W	3	*	c	*	15	70	49				
	Lyons	1013·9	54	NNW	1	r	1016·6	*	54	–	–	0	*	o	*	10	60	50				
	Nice	1012·7	60	E	2	o	1014·0	+1	55	−4	E	2	*	r	4	10	66	54				
	Perpignan ...	1014·2	57	WNW	1	o	1013·8	+3	58	+8	NW	2	5	o	1	11	61	52				
	Sanguinaire ...	*					*	*					*		*							
SOUTHERN STATIONS.	Corunna	1022·3	59	NNW	5	bc	1025·2	+2	55	−4	N	1	–	c	2	7	61	52				
	Madrid	1013·0	64	ENE	2	c	1017·8	+3	54	+4	NE	3	–	b	*	?	66	46				
	Lisbon	1020·7	63	NW	4	bc	1021·1	0	57	0	NNW	3	–	b	*	–	64	57				
	Azores (Horta) ...	1031·3	*	NE	5	b	1031·4	+2	59	0	NNE	3	*	o	1	–	64	59				
	Madeira	1021·5	66	NE	3	bc	1022·7	−1	59	0	NE	4	–	b	3	–	68	59				
	Gibraltar	1016·9	64	NW	3	b	1017·3	*	58	−1	NW	3	*	m	3	–	73	56				
	Malta	*	*	*	*	*	1018·2	+2	68	+2	SE	3	–	b	1	–	73	61				
	Limassol	*	*	*	*	*	1017·9	0	73	+3	–	0	–	b	2	–	79	54				
	Alexandria ...	1021·5	66	NNE	1	b	1020·7	+1	68	+2	–	0	N	b	0	–	77	64				
	Cairo (Helwan) ...	1018·8	70	NNE	3	bc	1018·7	+2	68	0	NE	4	–	b	*	–	82	61				

RAINFALL.

Equivalents of Millimetres in Inches.

mm.	Inches.	mm.	Inches.
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·10
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69
19	0·75	44	1·73
20	0·79	45	1·77
21	0·83	46	1·81
22	0·87	47	1·85
23	0·91	48	1·89
24	0·95	49	1·93
25	0·98	50	1·97

LONDON OBSERVATIONS.

	Humidity. 15 h. 28th	Humidity. 9 h. 29th	Sunshine for 28th	24 Hours ended 9 h. 29th. Temperature. Max.	Min.	Min. on Grass.	Rainfall.	Weather. Morning.	Afternoon.	Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	48	75	14·1	75	51	44	–	b	b	b.c.b
CITY (Bunhill Row)	*	*	13.7	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	63	68	13.7	75	53	–	–	bc	bc	bcm
CAMDEN SQ. (British Rainfall) ..	–	67	11·1	80	53	51	–	–	–	*
HAMPSTEAD (Reservoir)	*	75	13.7	66	49	42	–	b	b	bc
S. KENSINGTON (Museum Grounds)	*	67	14·0	75	54	50	–	b	b.bc	b

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during 28th

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
2266	39.1	77.5

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

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

Issue No. 20278 **DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917.** { Wednesday. 30th MAY.

YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON Tuesday 29th MAY. 1917.

Temperature ranged from 51° at Banff to 77° in London. Thunderstorms visited a great part of Southern England, with 14 mm. of rain at Farnborough. Sunshine was very variable, from none to about 12 hours.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR Tuesday 29th MAY UP TO 17 H.

	STATIONS.	Sunshine for 28th	Rainfall. Night. 17h-9h.	Rainfall. Day. 9h-17h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 17 h. 29th
			Mm.	Mm.	°F.	°F.			Hr.
Scotland.	Oban	8.4	—	—	57	49	o	ba	4.4
	Banff	14.9	—	—	51	47	o	om.o	0.0
	Montrose	12.8	—	—	56	44	o	o	7.5
	St. Andrews								
	Carnoustie	*	*	*	54	48	o	b	2.2
Eng. N.	Harrogate	12.8	—	—	72	48	b	b.bc.c	10.3
	Skegness	?	—	3	64	49	bc.or	bc.or	8.0
Eng. N.W.	Morecambe								
	Southport	10.8	—	—	61	50	c.bc	bc.c	9.5
Midlands.	Leamington Spa								
	Malvern								
	Ross-on-Wye	3.8	—	—	76	50	b.bc	bctlr	11.0
Wales.	Rhyl		—	—	60	45	bc.c	bc.c.bc	7.0
	Colwyn Bay	*	*	*	58	47	ba	bc	5.8
	Llandudno	*	*	*	57	45	c.	bc	8.7
	Aberystwyth	*	*	*	58	50	r.o	c.bc	1.5
England. E.	Lowestoft	*	—	—	63	50	bc	bc.cr	10.3
	Felixstowe	14.9	—	1	64	48	b	b.tlr.c	9.0
	Walton-on-Naze	*	—	2	62	50	b.bz.b	b.tlr.bc	9.0
	Southend-on-Sea	4.6	—	—	73	52	b	b.bc.c	8.3
England, S.E.	Margate		—	—	68	52	bc.b	b.bc.c	9.7
	Hastings	13.5	—	—	62	50	b.bc.o	o	0.0
	Eastbourne	0.6	—	—	57	50	o.c	bc.o	0.6
	Seaford		—	—	71	50	c	f	3.7
	Brighton	12.6	—	Trace	57	51	bz.f	f.tlr.f	4.5
	Worthing	10.1	—	—	63	54	bc	bc.c.o	6.7
	Littlehampton		—	—	60	52			6.5
	Bognor								
	Bournemouth	9.6	—	1	70	49	b.bc	bc	9.1
England, S.W.	Weymouth	*	*	*	72	54	z b	bc.tln	9.5
	Torquay	1.0	—	1	73	54	b	b.otlp	11.4
	Paignton								
	Penzance		—	—	64	53	c.bc	bc	10.5
	Newquay								
	Bude		—	—	59	50	c	b	5.9
	Ilfracombe		—	—	61	53	bc.b	b a	9.1
	Weston-s-Mare		*	*					

REPORTS FROM FOREIGN STATIONS FOR Tuesday 29TH MAY.

	STATIONS.	Evening of 28TH: Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	Morning of 29TH: Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					‡	°F.	°F.					°F	°F
Russia 7 a.m. and 9 p.m. Local Time	Archangel	1010.4	39	NW	1	o	1010.6	+2	41	−4	N	1	c	—	*	34
	Gorki	1019.3	61	—	0	o	1020.0	o	59	+4	?	?	o	—	*	46
	Velieki Luki	1017.9	61	SSW	2	o	1018.4	*	61		WSW	3	b	—	*	52
	Hangö						1019.4	−1	46	−4	WSW	2	c	—	*	41
	Riga	1022.0	55	—	0	b	1022.6	+1	45	−4	—	0	b	—	*	52
	Petrograd	1016.0	54	NW	3	o	1017.0	+1	54	+4	WNW	3	b	—	63	48
	Moscow	1015.1	57	WNW	4	r	1013.9	o	57	+3	NW	2	b	3	*	52
	Kiev	1021.1	63	S	2	bc	1020.7	o	63	+6	W	2	bc	—	*	54
	Kharkov	1022.9	55	SW	1	b	1015.8	o	57	+5	SW	1	o	—	*	45
	Kishinev														*	
	Elisabetgrad														*	
	Nicolaiev							*							*	
	Odessa	1021.9	64	SE	2	b									*	
	Tarkhankout							*							*	
	Soukhoum														*	
Mediterranean.	Venice	1018.5	63	ESE	1	r	1019.6	*	61	o	S	1	o	38	63	59
	Pesaro	1018.2	69	SE	1	o	1019.1	*	63	o	SE	1	o	1	72	61
	Rome	1017.4	68	S	1	c	1017.5	*	64	−6	NE	1	r	2	77	61
	Viesti	1019.0	66	SE	1	c	1020.2	*	64	−2	SE	2	bc	—	73	59
	Brindisi	1019.3	68	S	2	b	1019.7	*	61	−2	SE	3	b	—	72	63
	Cagliari	1011.3	73	SSW	6	o	1012.6	*	59	o	E	4	o	2	75	54
	Palermo	1014.3	66	—	o	b	1015.9	*	66	+5	—	o	b	—	77	54
	Tripoli						1015.0	*	73	−4	NE	1	b	—	86	66
	Algiers	1011.4	66	WNW	6	b	1014.0	o	66	−2	SE	1	b	—	79	59
Sweden	Hernösand	1018.6	61	S	2	b	1015.9	*	68	+7	—	o	b	*	*	*
	Stockholm	1021.4	72	S	2	b	1019.0	*	73	+5	SSW	2	b	*	*	*
	Wisby	1023.2	57	W	2	b	1021.5	*	61	−8	WSW	2	b	*	*	*

Morning of 29TH

Iceland.	Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather
		°F	°F			
Isafjord	1013.9	36	−5	NE	6	o
Reykjavik	1009.2	45	−1	—	o	f
Vestmanna						
Seydisfjord	1007.5	43	+2	—	o	r
Thorshavn	1015.1	51	−1	W	3	o

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

30th and 31st MAY. 1917.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	3.40	11.50	8.0
	3.39	11.50	8.1
Greenwich	3.52	11.57	8.1
	3.51	11.57	8.3
Wick	3.20	12.9	8.58
	3.19	12.9	8.59
Valencia	4.32	12.38	8.44
	4.31	12.38	8.45

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar-frost; z. dust-haze, or smoke.

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‡ The barometric change is expressed in half-millibars.

TEMPERATURE, WEATHER AND SEA DISTURBANCE.

THE MORNING OF Wednesday, 30th MAY, 1917.

GENERAL INFERENCE

An improving NWly. type of conditions is likely to prevail.

FORECAST DISTRICTS.

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 ½ clouded. ◍ sky ½ clouded. ◍ overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤, thunder. ⊼, thunderstorm.

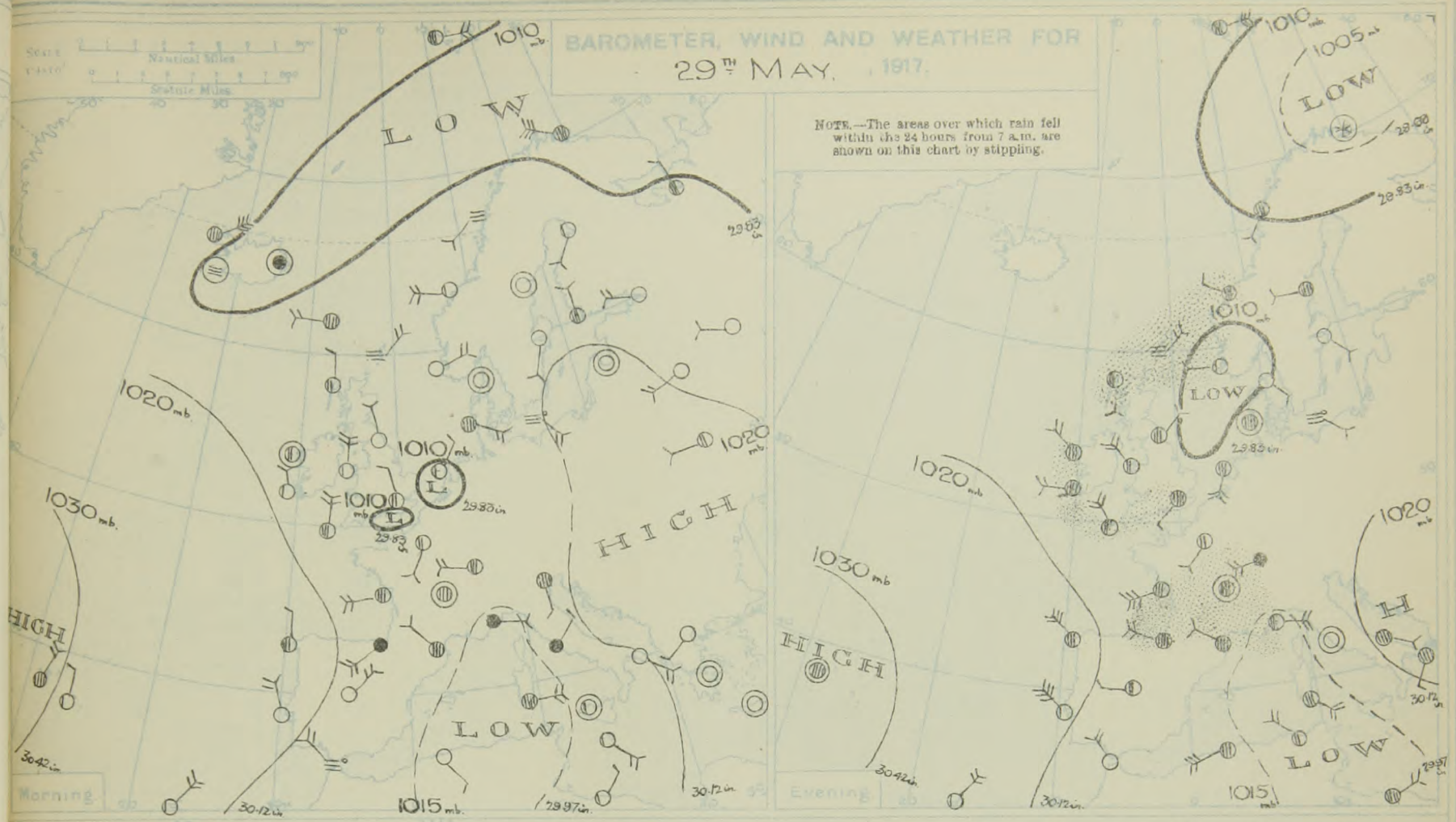
SEA DISTURBANCE.—Rough ~~~. High ≈≈.

Normal Temperature of the Sea

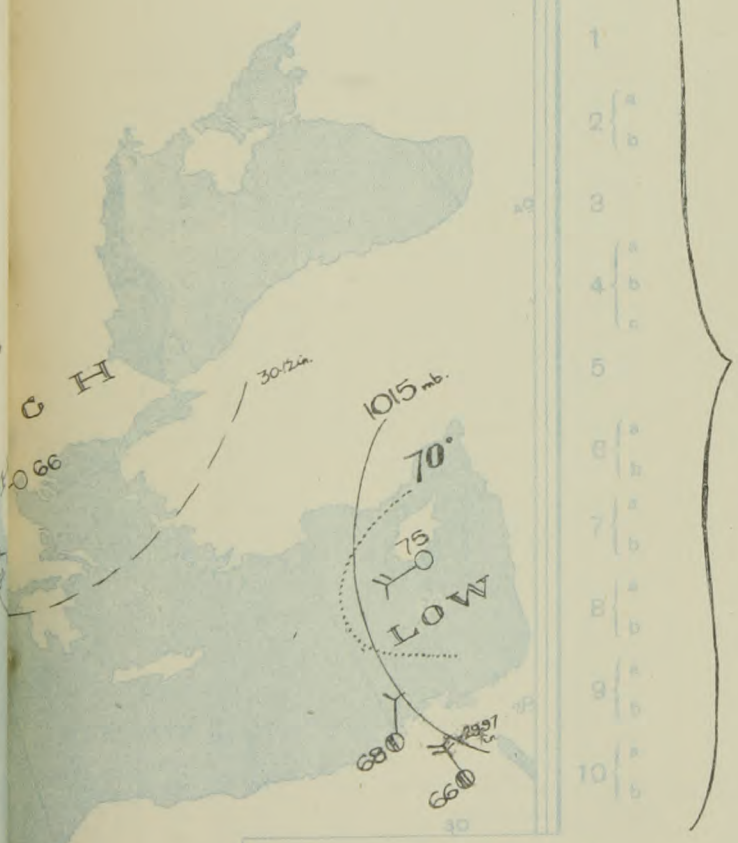
Below 40° | 40°-50° | 50°-60° | Above 60°

Scale of Tints for MAY.

1005 mb
1000 mb
1020 mb
1015 mb
1010 mb
1025 mb
29.88 in.
30.12 in.
29.97 in.
29.53 in.
29.68 in.
29.83 in.
30.27 in.
HIGH
LOW
Bar. falling slowly
Barometer rising slowly generally
40°
50°
60°



Forecasts 18h. Wednesday to 18h. Thursday



Wind between W. and N, light to moderate, generally fair to fine, but tendency for local showers and thunder; moderate temperature.

Moderate NW.-N. breeze; moderate sea, fair to dull, local showers, mist or fog; moderate temperature.

Western Channel and Bay 11

FURTHER OUTLOOK.

20 AB R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 150. {Wednesday, 30th MAY

	STATIONS.	EVENING OF 29th. Barom. Millibars at M.S.L.	Temp	Wind. Direc.	Force 0-12.	Weather.	MORNING OF 30th. Barometer. Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb.	Change in 24 hours.	Wind. Direc.	Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	24 HOURS ENDED 7 A.M. Rainfall. Millimetres.	Temp. Max.	Min.	Weather. Morning.	Afternoon.	Night.	Sunshine for 29th.
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1011·7	51	NE	3	f	1005·1	−1	48	−1	NNW	2	S	c	2	2	55	47	f.bcm	bcf	or	*
	Deerness (Orkney)	1012·2	49	NNW	3	o	1006·4	*	49	+1	SW	2	–	opd	1	Trace	55	43	f.o	o	opd	0·6
	Stornoway ...	1012·7	60	S	2	bc	1006·1	−2	49	0	W	6	–	odpq	5	0·3	56	48	bc	bc	c.odpq	10·0
	Castlebay (Barra Isd.)																					
	Glasgow ...	1011·2	59	W	3	bcx	1011·1	+1	50	+3	W	3	NW	c	*	–	68	47	bmx	b.bcx	bc.o.c	10·4
	Esidalemuir ...	1010·3	61	NNE	1	om	1011·0	+2	52	−7	NNW	2	–	bv	*	0·2	71	43	bw.b.bc	o.tln.o	om.bcq	8·4
	Malin Head ...	1014·2	53	NW	2	c	1013·1	0	50	0	NW	3	NW	cg	3	–	55	49	c	bc	cg	7·9
	Blacksod Point	1016·1	53	NW	3	cm	1015·4	0	51	+1	W	3	W	cg	3	0·3	55	49	c	cm	cm.cg	*
	Valencia (Cahirciveen)	1018·2	55	W	3	o	1018·2	+1	52	−1	NW	2	NW	o	3	0·1	57	51	b.bc	c.o	od.c.o	5·8
	Roche's Point	1016·8	60	NW	3	bc	1017·2	*	53	+1	NW	3	–	o	2	0·1	63	52	bv	b.bc	o	*
	Birr Castle ...	1015·5	59	NW	2	c	1016·5	*	51	0	NW	1	–	o	*	–	64	47	c	c	c.o	11·2
	Donaghadee ...	1013·0	50	N	4	cv	1013·1	+1	51	+4	WNW	5	NW	cm	3	–	53	47	bcm	bcm	bcm.cm	*
	Liverpool (Bidston)	1012·3	53	WSW	3	b	1013·1	+1	50	−1	W	4	W	o	3	–	59	47	b	b	c.o	10·9
	Holyhead ...	1013·8	53	NW	4	bc	1014·2	+1	56	+1	W	4	W	og	3	–	54	45	b.bc.c	c.bc.b	b.bc.o	7·7
	Pembroke (St. Ann's)	1015·4	57	NNE	3	b	1015·3	+1	52	+2	NW	2	N	c	2	–	59	46	bcq	bc.b	b.bc.c	11·4
	Scilly (St. Mary's)	1016·1	55	NNW	4	c	1017·0	+1	53	0	NW	3	NW	c	4	0·1	57	51	c	c	bc.c	5·5
	Falmouth ...	1013·5	58	NNW	4	b	1016·2	+2	55	+3	NW	3	–	c	*	–	60	50	o.b.bcq	bcq.b	b.bc.o	11·7
	Jersey (St. Aubin)	1012·8	54	S	1	f	1013·4	*	54	+2	W	2	–	b	1	2	56	50	or.fc	fc	fc.b	2·4
	Portland Bill ...	1011·0	54	WSW	2	c	1012·8	+2	55	−6	NNW	1	W	c	2	1	65	50	b.bc	bc.tlr	c.bc	*
	Dungeness ...	1011·3	53	SW	4	c	1011·6	0	52	+2	SW	3	SW	c	3	–	54	49	f	fc	bc	*
	Dover	1011·7	54	SSW	4	o	1012·1	*	55	+5	SW	1	SW	bc	2	–	58	49	o	o	bcx	0·1
	Wick	1012·5	50	NNW	1	o	1007·0	−2	50	+1	SW	1	–	o	1	0·3	53	40	om.omp	omp.om	o.bc.om	*
	Nairn	1012·7	51	–	0	ogm	1008·1	*	51	−1	SW	2	–	cg	1	3	58	44	c.bc	cg	r.od	2·7
	Aberdeen ...	1011·6	54	NW	3	bc	1008·3	0	55	+6	NW	3	–	b	2	–	62	49	o.c.b	b.bc	bc.c.b	6·5
	Leith	1010·6	49	NE	1	m	1009·3	0	53	+4	W	2	W	bc	2	3	54	47	m	cx.cm	mr.o.bc	*
	Tynemouth ...	1010·7	49	NE	2	cf	1010·1	0	51	−1	NW	2	NW	bcm	3	–	53	44	bm	f	cm	*
	Spurn Head ...	1011·6	54	ENE	2	bc	1011·2	0	54	+2	NW	4	–	om	4	Trace	58	47	cqp	cq	b	3·3
	Yarmouth (Gorleston)	1010·1	55	S	3	bc	1010·3	+1	56	−1	NW	2	–	bcm	2	–	65	53	bcm	bcm	bcm	11·6
	Clacton-on-Sea	1010·2	60	WSW	3	bc	1011·2	0	57	−1	WNW	3	NW	bc	2	0·3	64	57	bcx	bc.etl	bcmz	10·8
	Nottingham ...	1010·6	63	SE	1	o	1011·5	*	55	−3	NW	3	NW	b	*	2	74	49	b	bc.tlr	o.c.b	6·7
	Benson (Oxon.) ...	1010·2	67	NNW	1	tlr	1012·3	+3	54	−2	NNW	3	–	c	*	0·1	72	51	bcx	bc.tl	p.c	*
	Sth. Farnborough	1010·1	62	SE	3	tlr	1011·8	+2	55	−1	WNW	2	W	cw	*	14	75	53	bc.b.bc	bc.or.tl.tlr	bc.o.cw	8·8
	London (Kew Obsy.)	1010·6	65	SW	1	ot	1012·5	+2	55	−1	NW	2	NW	bcm	*	4	74	54	bcm.bcz	bcz.otlr.ot	o.oulfrom	8·5
NORTHERN EUROPE.	Spitsbergen ...	1011·0	23	E	6	c	1009·5	−2	25	−3	–	0	*	b	*	*	?	?				
	Vardö	1004·4	34	–	0	s	998·2	−1	36	+2	SSE	1	–	s	2	*	36	32				
	Bodö	1009·5	43	SW	2	c	1004·3	−1	45	0	SW	4	–	d	2	–	46	41				
	Christiansund ...	1011·1	57	WNW	1	c	1004·4	−3	50	−9	–	0	–	f	2	3	59	48				
	Skudesnaes ..	1009·1	63	W	2	b	1002·8	−3	57	−6	ESE	2	–	r	2	8	75	54				
	Færder (X'landa Fjord)	1011·1	63	E	1	c	1004·7	−1	57	−2	SSW	2	–	o	1	–	64	57				
	The Scaw (Skagen)	1009·5	66	SSE	1	b	1006·7	−1	61	0	SSW	2	S	c	2	–	68	59				
	Blaavands Huk	1010·3	63	–	0	o	1009·6	−1	55	−9	SW	3	–	o	*	Trace	72	52				
	Copenhagen ...	1011·9	66	SSE	3	c	1010·4	+1	61	+2	W	2	–	o	*	–	73	57				
	Bornholm ...	1013·8	66	SE	2	m	1010·4	+1	55	−2	W	3	–	f	0	–	70	52				
FRANCE, &c.	The Helder ...	1011·3	57	SSW	4	c	1009·6	+2	52	−11	SW	3	–	f	1	–	64	52				
	C. Gris Nez ...	1012·4	54	SW	4	c	1011·9	+1	54	+4	SW	3	*	o	2	Trace	59	50				
	La Hève	1013·1	57	SW	2	b	1013·4	*	54	+4	W	3	*	f	2	–	63	50				
	Brest (St. Mathieu)	1014·7	54	NNW	5	c	1017·2	+2	55	+3	NNW	4	*	o	3	–	59	52				
	Rochefort (Ile d'Aix)	1016·2	59	WSW	5	c	1015·6	+2	55	−2	SSE	3	*	r	*	1	68	52				
	Biarritz	1016·2	60	WNW	4	o	1016·8	+5	56	+1	WNW	5	*	r	5	31	61	50				
	Paris	1013·8	64	SW	2	b	1015·2	+2	59	+4	SSW	2	–	b	*	–	70	50				
	Belfort	1017·0	54	WSW	4	r	1017·4	*	52	−1	–	0	*	m	*	2	60	46				
	Lyons	1016·0	58	–	0	c	1015·4	*	54	0	–	0	*	o	*	3	64	51				
	Nice	1014·7	62	E	4	c	1013·0	0	58	+3	E	5	*	o	4	5	72	54				
	Perpignan ...	1015·9	61	NW	2	o	1014·3	−1	59	+1	NW	3	–	bc	*	–	70	55				
	Sanguinaire ...	1015·9	67	S	2	m	1013·4	*	61	–	S	4	*	f	4	1	74	57				
SOUTHERN STATIONS.	Corunna	1023·9	59	NW	5	c	1023·5	+1	57	+2	ESE	8	–	c	2	Trace	61	52				
	Madrid	1016·3	63	W	1	bc	1020·4	+2	55	+1	–	0	–	b	*	–	64	52				
	Lisbon	1021·5	63	NW	6	b	1022·0	+1	57	0	NNW	3	–	b	*	–	66	54				
	Azores (Horta) ...	1031·7	*	–	0	o	1029·5	0	59	0	–	0	*	o	1	–	68	59				
	Madeira	1022·8	68	NE	4	b	1025·2	0	63	+4	NE	4	N	bc	4	–	68	59				
	Gibraltar	1019·3	65	NW	3	b	1019·3	*	63	+5	NE	2	*	b	3	–	75	56				
	Malta	*	*	*	*	*	1018·2	0	66	−2	ESE	3	–	o	2	–	73	64				
	Limassol	*	*	*	*	*	1013·9	0	75	+2	W	3	–	b	2	–	79	55				
	Alexandria ...	1019·1	68	N	3	c	1017·1	0	68	0	NNE	2	N	bc	2	–	75	64				
	Cairo (Helwan) ...	1017·0	70	N	3	b	1015·4	0	66	−2	N	4	–	c	*	–	82	61				

LONDON OBSERVATIONS.

	Humidity. 15 h. 29th	Humidity. 9 h. 30th	Sunshine for 29th	24 Hours ended 9 h. 30th. Temperature. Max.	Min.	Min. on Grass.	Rainfall.	Weather. Morning.	Afternoon.	Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	60	64	7·1	70	52	45	18	b	b.tlr	c.bcm-c
CITY (Bunhill Row)	*	*	8·0	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	61	57	8·5	76	53	50	12	bc	bc	tlr.b
CAMDEN SQ. (British Rainfall) ..	54	57	8·8	79	54	53	9	b	bc.tlr	*
HAMPSTEAD (Reservoir)	*	75	7·7	73	50	45	?	bc	o.tlrh	bc
S. KENSINGTON (Museum Grounds)	*	66	9·0	77	54	50	8	bc.c	c.otlr	c.bc

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during 29th.

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
2490	32·5	74

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

RAINFALL.

Equivalents of Millimetres in Inches.

mm.	Inches.	mm.	Inches
1	0·04	26	1·02
2	0·08	27	1·06
3	0·12	28	1·10
4	0·16	29	1·14
5	0·20	30	1·18
6	0·24	31	1·22
7	0·28	32	1·26
8	0·32	33	1·30
9	0·35	34	1·34
10	0·39	35	1·38
11	0·43	36	1·42
12	0·47	37	1·46
13	0·51	38	1·50
14	0·55	39	1·54
15	0·59	40	1·58
16	0·63	41	1·61
17	0·67	42	1·65
18	0·71	43	1·69
19	0·75	44	1·73
20	0·79	45	1·77
21	0·83	46	1·81
22	0·87	47	1·85
23	0·91	48	1·89
24	0·95	49	1·93
25	0·98	50	1·97

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

Issue No. 20,279 **DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917.** { Thursday 31st May

YESTERDAY'S WEATHER: THE 24 HOURS COMMENCING 7 h. ON Wednesday 30TH MAY. 1917.

Temperature was about the normal generally. Rain fell in the west and north. Fine weather prevailed, with sunshine up to 11½ hours at Nottingham.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR Wednesday 30TH MAY. UP TO 17 H.

	STATIONS.	Sunshine for 29TH	Rainfall. Night. 17h-9h.	Rainfall. Day. 9h-17h.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 17 h. 30TH
			Mm.	Mm.	°F.	°F.			Hr.
Scotland.	Oban	4·9	–	–	54	48	0	bc	2·4
	Banff	0·0	–	–	59	48	bc	bc	3·2
	Montrose	7·5	3	*	64	49	c	c	4·3
	St. Andrews		1	–	64	46	bc	c	10·0
	Carnoustie				64	65	bc	bc	11·0
Eng. N.E.	Harrogate	10·3	–	–	65	47	b	b	9·7
	Skegness	9·4	3	–	64	49	bc.o	bc	9·3
Eng. N.W.	Morecambe		–	–	60	50	–	–	10·0
	Southport	10·9	–	–	59	49	b	b	9·0
Midlands.	Leamington Spa								
	Malvern		–	–	64	51	bc	bc	9·0
	Ross-on-Wye	11·0	0·4	–	68	52	bc.b	b	9·1
Wales.	Rhyl	7·6	–	–	56	49	bc	c.bc	7·2
	Colwyn Bay		*	*	58	48	bc	bc	5·8
	Llandudno		*	*	58	49	c.b	b	6·8
	Aberystwyth		*	*	58	48	ome	bc.c	3·5
England. E.	Lowestoft	11·8	–	–	64	54	bc. c	c.bc.c	5·7
	Felixstowe	9·8	–	–	69	55	bcm	bc	9·4
	Walton-on-Naze	10·2	0·3	–	67	55	b.bz.bc	bc.b.	8·1
	Southend-on-Sea	8·3	2	–	69	54	bz.bc.c	bc.bz	5·7
England, S.E.	Margate	9·7	–	–	63	52	b.bc.b	b.bc.c	4·0
	Hastings	0·6	*	*	61	51	o	bc.b	4·7
	Eastbourne	0·6	–	–	64	52	o.bc	b.bc	5·5
	Seaford		–	–	62	51	o	bc.m	5·8
	Brighton								
	Worthing	6·7	–	–	69	53	bc	bc	5·7
	Littlehampton				67	57			6·5
	Bognor								
	Bournemouth	9·1	2	*	69	56	bc	bc	8·0
England, S.W.	Weymouth		*	*	67	51	zb	b.bc	7·0?
	Torquay	13·0	–	–	67	55	b.bc.b	b.bc.c	11·0
	Paignton								
	Penzance	10·8	–	–	62	53	bc.	bc.b	5·0
	Newquay		–	–	58	50	bc	bc	4·2
	Bude								
	Ilfracombe	12·4	–	–	61	53	b.bc	bf	9·6
	Weston-s-Mare		*	*	62	53	bc.b	b.bc	7·0

REPORTS FROM FOREIGN STATIONS FOR Wednesday 30TH MAY

	STATIONS.	Evening of 29TH: Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12.	Weather.	Morning of 30TH: Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather.	Rainfall. Millimetres.	Temp. Max.	Temp. Min.
			°F.					‡	°F.	°F.					°F	°F
Russia 7 a.m. and 9 p.m. Local Time.	Archangel	1010·6	43	NW	2	b	1014·9		46	+5	SW	2	o	–	*	36
	Gorki						1022·3	+1	63	+3	–	o	b	–	*	46
	Velieki Luki	1018·1	66	SSW	1	c	1019·3	*	68	+7	S	1	b	–	*	55
	Hangö	1016·6	48	WSW	3	o	1018·7	+1	50	+4	SSW	1	b	–	*	45
	Riga	1018·9	68	–	o	b	1015·9	-2	?		–	o	–	–	*	61
	Petrograd	1015·1	59	W	2	b	1013·6	-2	61	+7	NW	2	b	–	66	54
	Moscow	1016·3	61	NW	2	b	1018·1	+1	59	+2	W	2	b	–	*	50
	Kiev	1019·5	66	N	2	bc	1021·0	+1	68	+5	–	o	b	–	*	59
	Kharkov	1021·6	59	NW	3	b	1020·3	+2	61	+4	–	o	b	–	*	50
	Kishinev														*	
	Elisabetgrad	1019·8	61	–	o	bc	1020·7	+2	63		WNW	1	b	2	*	50
	Nicolaiev	1021·6	66	WSW	3	o	1020·8	*	70		NW	3	b	3	*	61
	Odessa														*	
	Tarkhankout	1018·0	59	W	1	b	1023·0	*	61		SE	2	b	–	*	55
	Soukhoum	1022·7	59	WNW	3	b									*	
Mediterranean.	Venice						1018·1	*	64	+3	ESE	1	o	6	66	59
	Pesaro	1019·3	64	SE	1	b	1017·5	*	63	o	SE	1	o	1	70	59
	Rome	1017·4	66	SE	1	o	1016·9	*	68	+4	NE	1	c	2	70	59
	Viesti	1020·7	66	SSE	2	o	1019·7	*	66	+2	SSE	2	o	–	73	61
	Brindisi	1020·7	66	SW	1	o	1020·7	*	64	+3	SE	1	bc	–	72	63
	Cagliari	1013·8	75	SE	4	c	1013·9	*	61	+2	W	4	c	–	77	54
	Palermo						1015·6	*	79	+13	ENE	4	f	–	86	59
	Tripoli	1013·3	66	E	3	o	1014·7	*	66	-7	SE	2	b	26	78	?
	Algiers	1015·8	64	WSW	5	c	1019·1	+2	61	-5	SSW	3	c	–	75	57
Sweden.	Hernösand	1011·0	59	SSE	2	b	1003·7	*	57	-11	S	2	c	*	*	*
	Stockholm	1014·0	70	W	2	o	1007·0	*	61	-12	S	2	c	*	*	*
	Wisby	1016·1	70	S	2	b	1009·1	*	68	+7	S	2	bc	*	*	*

Morning of 30TH

Iceland.	Barom. Millibars at M.S.L.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Weather
		°F	°F			
Isafjord	1022·6	30	-6	N	9	c
Reykjavik	1013·2	37	-8	N	4	b
Vestmanna						
Seydisfjord	1013·8	34	-9	NE	4	s
Thorshavn	1005·7	46	-6	NE	3	r

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

31st May and 1st June 1917.

	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	3·39	11·50	8·1
	3·38	11·51	8·4
Greenwich	3·51	11·57	8·3
	3·51	11·58	8·5
Wick	3·19	12·9	8·59
	3·17	12·10	9·2
Valencia	4·31	12·38	8·45
	4·29	12·39	8·48

Note.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling 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; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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‡ The barometric change is expressed in half-millibars.

TEMPERATURE, WEATHER AND SEA DISTURBANCE

THE MORNING OF Thursday, 31st MAY, 1917.

FORECAST DISTRICTS.

General Inference

The Atlantic depression will probably bring about a less settled type of conditions over the whole country.

HIGH

LOW

1005 mb

1000 mb

1015 mb

1010 mb

1020 mb

29·97 in.

29·83 in.

29·53 in.

29·67 in.

29·68 in.

30·12 in.

32°

40°

50°

60°

LOW Barometer falling

Barometer slowly rising

HIGH

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 ¼ clouded. ◑ sky ½ clouded.
◕ sky ¾ clouded. ● overcast sky. ● rain falling.
✳ snow. ▲ hail. ≡ fog. ≡° mist. ⊤, thunder.
⊼, thunderstorm.

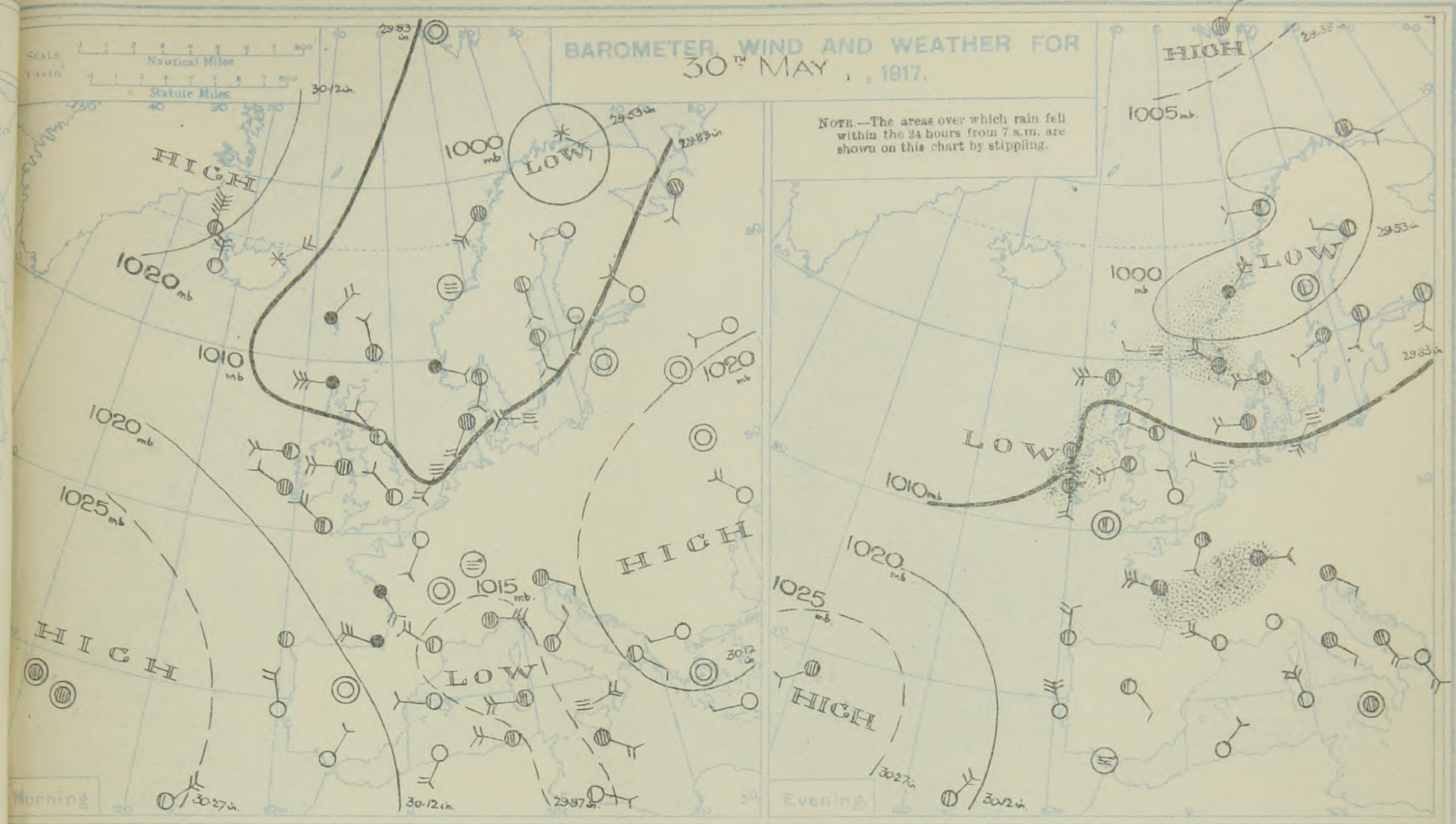
SEA DISTURBANCE.—Rough ~~~. High ≈≈.

Normal Temperature of the Sea

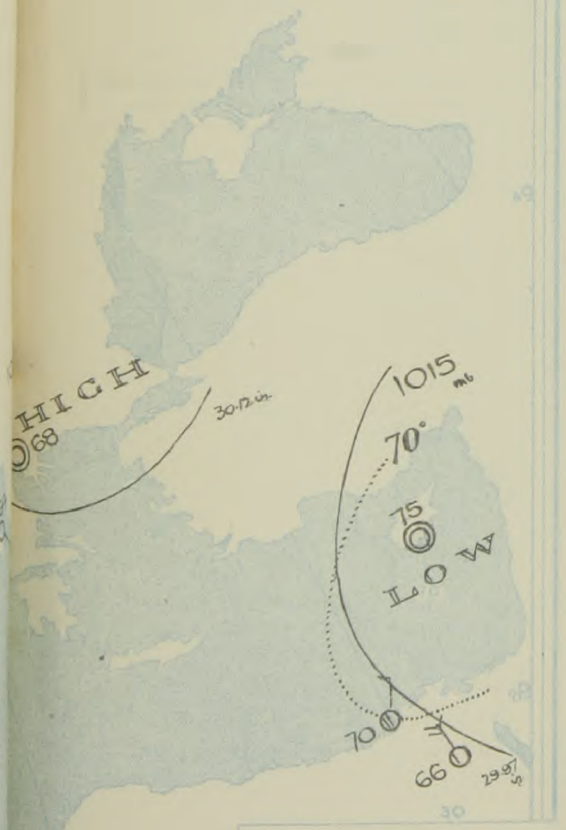
Below 40° | 40°-50° | 50°-60° | Above 60°

Scale of Tints for MAY.

BAROMETER, WIND AND WEATHER FOR 30TH MAY , , 1917.



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



Forecasts 18h. Thursday to 18h. Friday

0 a, b, 1 — SE to S. and SW. winds, squally or high at times, unsettled, some rain, coast mist or fog; moderate temperature.

2 a, b, 3, 4 a, b, c, 5 — S. to SW. breeze, freshening; fine at first, less settled later, some rain; moderate temperature.

6 a, b, 7 a, b, 8 a, b, 9 a, b, 10 a, b — Squally S. to SW. winds, strong or high at times; unsettled, some rain, coast mist or fog; moderate temperature.

11 — Squally, strong SW. wind; rough sea; dull, some rain, mist or fog; moderate temperature.

FURTHER OUTLOOK.

R. G. K. LEMPFERT, Superintendent, Forecast Division. NAPIER SHAW, Director.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, 1917. No. 151. {Thursday, 31st MAY

	STATIONS.	EVENING OF 30th. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12.	Weather.	MORNING OF 31st. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	24 HOURS ENDED 7 A.M. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for 30h.
			°F.					±	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1001·2	50	W	1	ʃ	1006·9	+1	49	+1	—	0	S	bc	0	—	54	47	c.o	or.ʃ	0.bc	*
	Deerness (Orkney)	1004·7	50	W	7	c	1007·8	*	49	0	SE	4	W	bc	2	trace	54	41	opd.o	o.c	c.bc	1·2
	Stornoway ...	1006·6	53	W	5	cq	1003·3	−4	49	0	SE	5	—	oq	4	1	54	44	oc.oq	o.cq	bc.odrq	4·3
	Castlebay (Barra Isd.)																					
	Glasgow ...	1011·3	55	W	3	c	1008·7	−3	62	+2	SSE	4	—	o	*	—	57	48	c.bc.c	c.o.c	c.om	7·6
	Eskdalemuir ...	1011·9	53	W	4	bc	1010·7	−2	50	−2	S	4	—	o	*	—	60	44	bv.bc	c.bc	bc.co	9·5
	Malin Head ...	1011·8	54	W	2	cm	1001·2	+3	53	+3	SW	6	—	ornq	4	0·2	54	50	cg	cm	ompq	2·2
	Blacksod Point	1009·9	53	S	4	om	998·0	−5	63	+2	S	7	—	ofr	5	11	57	50	bc	om	om.ofr	*
	Valencia (Cahirciveen)	1013·5	56	S	3	c	1003·7	−4	55	+3	S	6	—	or	2	11	58	52	c.o2	o.cx	c.or	2·7
	Roche's Point	1014·9	59	SW	3	b	1007·7	*	54	+1	SSW	4	—	r	4	3	60	52	o	o.b	or	*
	Birr Castle ...	1014·0	61	SW	1	c	1005·0	*	56	+5	SW	2	—	†	*	1	62	50	c	c	c.od	5·8
	Donaghadee ...	1012·2	51	SE	2	cgm	1007·5	−2	51	0	SSW	4	—	omrq	3	0·4	58	48	cg	cgm	ogm.or	*
	Liverpool (Bidston)	1014·0	55	W	3	b	1012·1	−1	50	0	SE	1	SE	o	2	—	57	45	o.b	b	b.o	10·7
	Holyhead ...	1014·5	54	WSW	4	c	1010·2	−2	51	+1	S	5	—	opq	4	trace	60	48	o.c.bq	bc.b.o	bc.b.op	6·7
	Pembroke (St Ann's)	1016·2	53	WSW	1	bc	1012·5	−3	52	0	S	3	—	o	3	trace	59	49	bc.c	bc.c	c.bc.op	7·0
	Scilly (St. Mary's)	1017·6	56	—	0	bc	1014·4	−2	55	+2	SW	3	SW	om	4	—	61	50	c.bc	bc	bc.c.am	10·5
	Falmouth ...	1016·2	57	NW	2	bc	1014·7	0	55	0	SW	4	W	o	*	—	62	46	bc.o.c	c.bc	bc.b.o	5·7
	Jersey (St. Aubin)	1015·5	58	WNW	3	b	1017·9	*	53	−1	WSW	3	—	o	3	—	62	50	b	b	b.o	11·7
	Portland Bill ...	1013·9	57	W	3	bc	1015·8	+1	51	−4	SW	2	SW	c	2	—	60	49	c.bc	c.bc	o	*
	Dungeness ...	1011·6	54	SW	3	bc	1014·3	+1	54	+2	WSW	2	W	b	2	—	57	48	f	f.c	bc.bc	*
	Dover	1013·0	53	—	0	m	1015·5	+1	57	+2	O	—	—	b—	2	—	61	46	bcf	b.bcf	bfm.b	3·8
	Wick	1006·3	51	WNW	4	o	1007·7	−2	49	−1	SE	2	SE	c	2	0·1	56	40	ompq	ompq	bcmq.c	*
	Nairn	1008·1	55	W	5	bcq	1006·8	*	52	+1	—	0	—	oq	0	—	58	38	cqq	bc.oq	cm	6·3
	Aberdeen ...	1008·3	58	WNW	2	bc	1009·5	−1	50	−5	S	3	—	o	2	—	64	42	o.bc	o.bc	bc.o	3·9
	Leith	1009·8	57	WNW	2	c	1008·8	0	54	+1	NW	1	W	c	1	—	61	48	b	cu.bcu.c	c.bc.oc	*
	Tynemouth ...	1010·7	60	WNW	2	bc	1011·7	0	54	+3	SW	2	SW	bcm	2	—	65	48	bc	bc	bcm	*
	Spurn Head ...	1011·4	56	SE	4	b	1014·3	0	52	+2	W	2	—	bcm	2	—	60	49	b	bc	bc	6·5
	Yarmouth (Gorleston)	1012·9	53	E	2	b	1013·6	+2	53	−3	SSE	2	—	bcm	2	—	67	48	bcm	bcm.b	bcm	7·2
	Clacton-on-Sea	1012·2	57	W	3	b	1015·0	+1	55	−2	WNW	2	SW	c	1	—	64	50	bcz	bc.bz	b.bc cz	11·2
	Nottingham ...	1012·4	61	NW	3	b	1014·0	*	51	−4	SW	1	SW	c	*	—	66	43	b.bc	b	bm	11·5
	Benson (Oxon.) ...	1012·6	57	NW	2	b	1014·5	+2	51	−3	WSW	2	—	bc	*	—	67	44	bc	b	b.bc	*
	Sth Farnborough	1012·2	65	WNW	2	bc	1014·7	+2	56	+1	WSW	2	—	bw	*	—	67	46	co.bc	bc.c.bc	bc.bn	8·1
	London (Kew Obsy.)	1012·5	66	NNW	1	b	1015·4	+2	56	+1	SW	2	—	b	*	—	66	53	bcm.o.bz	bz.bcz.b	b.om.b	10·4
NORTHERN EUROPE.	Spitsbergen ...	1009·8	27	NE	3	o	1011·8	+1	28	+3	E	2	*	c	*	*	28	21				
	Vardö	1000·6	34	SSE	2	o	1003·1	+1	36	0	NE	1	—	o	2	*	37	32				
	Bodö	1001·6	43	W	2	c	1000·3	0	41	−4	N	2	—	o	2	?	45	39				
	Christiansund ...	999·2	48	NE	4	r	1005·6	+2	45	−5	W	5	—	r	3	8	55	43				
	Skudesnaes ...	1004·0	50	NW	4	o	1006·2	+3	?	—	WNW	3	—	bc	2	6	54	?				
	Færder (X'iania Fjord)	1001·2	52	SW	6	m	1006·0	+4	52	−5	WSW	6	—	b	3	—	57	48				
	The Scaw (Skagen)	1002·6	54	W	3	c	1009·9	+4	54	−7	WSW	4	—	b	4	2	63	48				
	Blaavands Huk	1008·7	50	W	3	o	1014·3	+1	54	−1	WSW	2	W	c	*	—	57	48				
	Copenhagen ...	1006·6	64	WSW	4	c	1013·5	+3	57	−4	NW	2	—	b	*	—	66	52				
	Bornholm ...	1009·9	59	SW	4	m	1012·7	+3	52	−3	W	3	—	m	1	4	59	50				
FRANCE, &c.	The Helder ...	1011·7	52	WNW	3	m	1015·9	+2	50	−2	SE	1	—	c	0	—	55	48				
	C. Gris Nez ...	1013·0	53	S	2	ʃ	1015·6	+1	54	0	S	4	*	c	2	—	55	50				
	La Hêve							*					*									
	Brest (St. Mathieu)	1018·6	57	NW	4	bc	1018·8	0	54	−1	SSW	4	*	o	3	—	59	54				
	Rochefort (Ile d'Aix)	1016·8	60	WNW	5	o	1020·0	+2	59	+4	NW	3	*	c	*	1	63	57				
	Biarritz												*									
	Paris	1013·4	67	SW	2	o	1017·4	+2	61	+2	WNW	1	—	o	*	—	72	54				
	Belfort	1014·2	58	E	2	o	1018·8	*	53	+1	WSW	3	*	r	*	16	64	51				
	Lyons	1013·9	54	WNW	3	r	?	*	60	+6	NNW	1	*	c	*	11	?	?				
	Nice												*									
	Perpignan ...	1015·6	66	NW	4	b	1020·7	+3	62	+8	NW	3	NW	b	*	—	72	55				
	Sanguinaire ...	1018·2	60	SW	5	m	1019·6	*	62	+1	E	3	*	o	4	—	66	55				
SOUTHERN STATIONS.	Corunna	1023·6	63	N	4	bc	1021·6	0	54	−3	SE	4	N	b	2	—	63	46				
	Madrid	1015·8	70	SE	1	bc	1020·0	+1	59	+4	NE	1	—	bc	*	—	72	54				
	Lisbon	1016·6	64	NNW	5	b	1018·2	6	61	+4	NNW	3	—	b	*	—	61	57				
	Azores (Horta) ...						1022·6	−2	61	+2	WSW	5	*	o	3	—	68	59				
	Madeira	1021·9	68	NE	4	bc	1022·0	0	61	−2	NE	4	—	bc	4	—	68	61				
	Gibraltar	1018·3	63	—	0	m	1017·9	*	59	−4	E	2	*	m	3	—	72	57				
	Malta	*	*	*	*	*	1017·3	+3	68		ESE	3	—	o	2	—	73	64				
	Limassol	*	*	*	*	*	1013·0	+1	75	0	—	0	—	b	0	—	82	52				
	Alexandria ...	1016·2	66	N	3	c	1016·4	+1	70	+2	NNE	1	NE	bc	1	—	73	64				
	Cairo (Heiwan) ...	1013·5	75	N	3	b	1015·4	+2	66	0	N	3	—	b	*	—	84	61				

NOTE.

SOLAR HALO was observed at ESKDALEMUIR Yesterday, at 16h. 30m.

LONDON OBSERVATIONS.	Humidity. 15 h. 30m	Humidity. 9 h. 31st	Sunshine for 30m.	24 Hours ended 9 h. 31st. Temperature. Max.	Temp. Min.	Temp. Min. on Grass.	Rainfall.	Weather. Morning.	Weather. Afternoon.	Weather. Night.
	%	%	Hours.	°F.	°F.	°F.	mm.			
GREENWICH (Royal Observatory)	57	59	8·5	69	50	40	—	b	b	bc.o.b
CITY (Bunhill Row)	*	*	9·1	*	*	*	*	*	*	*
WESTMINSTER (St. James's Park)	51	60	9·9	69	54	50	—	bc	bc	bc
CAMDEN SQ. (British Rainfall) ..	53	58	9·6	70	54	51	—	b	b	*
HAMPSTEAD (Reservoir)	*	67	9·7	67	50	39	—	bc	b	bc
S. KENSINGTON (Museum Grounds)	*	69	10·3	68	55	50	—	b.c.o	bc.b	b.bc

SOUTH KENSINGTON.

Vertical Component of Solar Radiation per square Centimetre during 30m.

Total.	Average Rate.	Max. Rate.
Joules.	Milliwatts.	Milliwatts.
2010	34·6	76·5

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

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