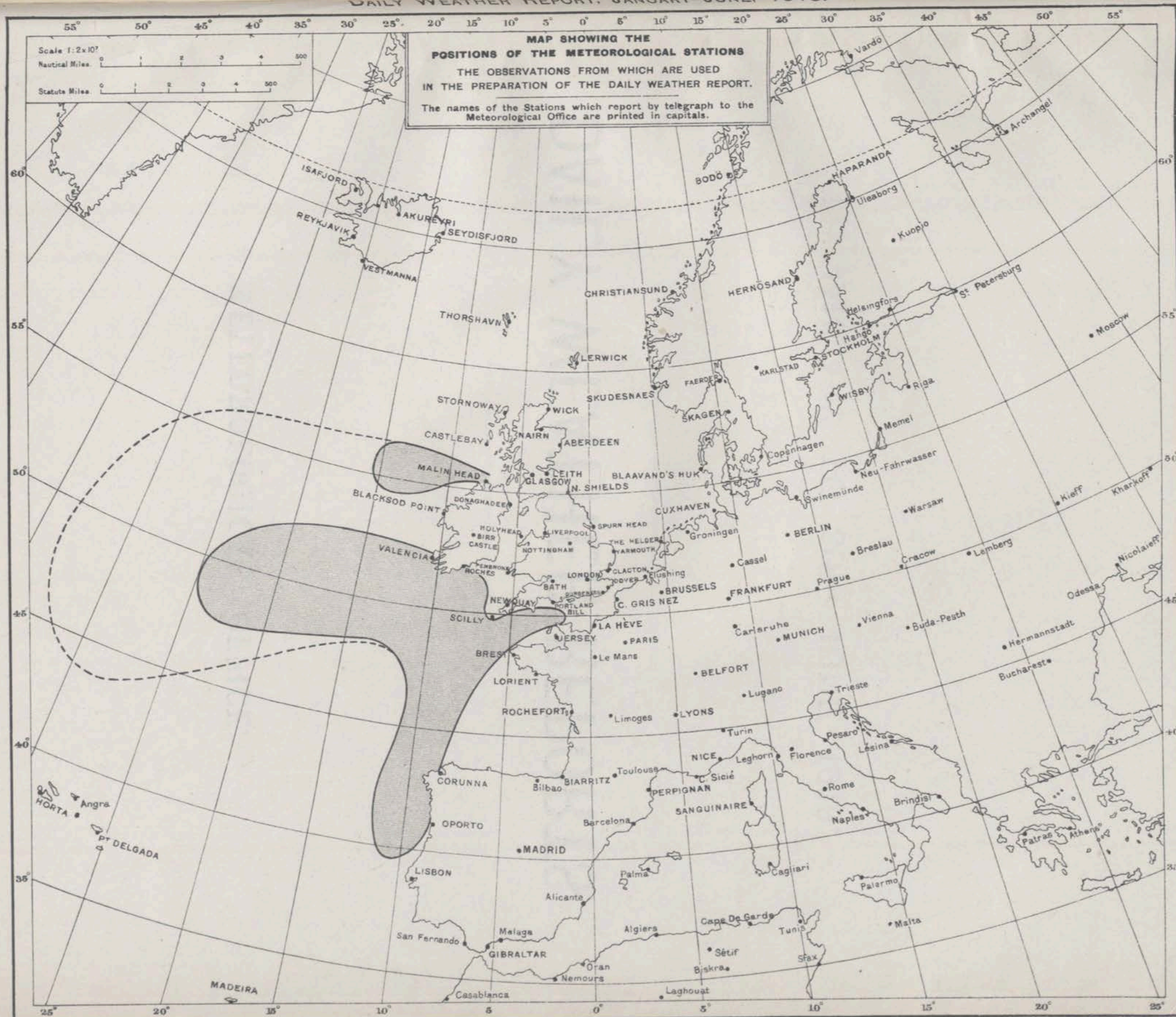


METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1ST JANUARY TO 30TH JUNE 1913.

DAILY WEATHER REPORT, JANUARY-JUNE, 1910.



NOTE:—The shaded portions of the Atlantic and Bay of Biscay indicate the areas from which wireless reports were received within 2 hours of the time at which the observations were made. The pecked lines indicate the limits of the areas from which they were received within 24 hours.

DAILY WEATHER REPORT. APPENDIX I.

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

FIRST QUARTER, JANUARY TO MARCH.

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

JANUARY.

FEBRUARY.

MARCH.

STATIONS.	PRESSURE. 1906-1910. 7 a.m. Observations (reduced to M.S. level and to Lat. 45°).	AIR TEMPERATURE.								RAINFALL. 1876-1910.		BRIGHT SUNSHINE. 1881-1910.	
		Means of				Absolute Extremes.							
		1906-1910.		1876-1910.		1876-1910.							
		Dry Bulb 7 a.m.	Wet Bulb 7 a.m.	Daily Maximum.	Daily Minimum.	Maximum.		Minimum.		Days with Rain.	Total Fall.	Average Duration.	Per Centage of Possible Duration.
				Temp.	Year.	Temp.	Year.						
Sumburgh Head	In. 29.686	39.1	37.6	42.5	35.4	52	1898	0	1910	27	In. 3.94	Hr. 1	% 13
Stornoway	29.771	40.3	39.2	43.5	34.5	55	1890	11	1881	25	5.06	28	13
Castlebay (Barra Isd.) ..	[29.812]44	[43.2]44	[41.4]44	[46.0]44	[38.7]44	[52]44	[1908, 09, 10]44	[28]44	[1910]44	[27]44	[3.39]44	[36]44	[16]44
Malin Head	29.878	41.8	40.9	44.5	37.5	[56]	[1898]44	[23]44	[1894]44	[32]44	[2.74]44	—	—
Blackod Point	29.961	44.6	42.7	46.5	38.8	[56]	[1890]44	[26]44	[1891, 94]44	[26]44	[5.15]44	—	—
Valencia	30.069	44.4	42.4	48.8	40.0	66	1876, 78	20	1894	23	5.52	48	19
Roche's Point	30.089	43.0	42.1	47.5	39.3	57	1889	20	1894	20	4.39	—	—
Birr Castle	30.038	39.3	38.4	45.1	34.1	57	1880, 98	6	1881, 94	20	2.74	50	20
Donaghadee	29.988	40.4	39.7	44.6	36.1	58	1898	14	1881	20	2.59	—	—
Liverpool (Observatory) ..	30.042	38.3	37.5	43.1	35.0	58	1898	9	1881	17	2.69	[79]44	[32]44
Holyhead	30.029	42.4	41.0	45.1	38.2	54	1889	20	1894	19	2.90	—	—
Pembroke (St. Ann's Hd.) ..	30.074	42.9	41.2	45.7	39.2	53	1899, 1907	19	1881, 94, 07	19	3.20	55	22
Scilly (St. Mary's)	30.280	45.7	43.2	49.0	42.5	57	1899	25	1894	20	2.97	60	23
Jersey (St. Aubin's)	30.170	42.7	40.9	46.3	38.4	57	1877, 99	12	1891	20	2.92	69	26
Portland Bill	30.076	42.9	41.6	45.2	38.2	[52]44	[1901, 03, 05]44	[23]44	[1907]44	18	2.20	—	—
Dunegness	30.081	39.2	37.9	43.5	34.6	55	1878, 98	11	1893	16	[1.82]44	—	—
Dover	[30.002]44	[37.2]44	[36.1]44	[43.1]44	[33.1]44	[53]44	[1908]44	[17]44	[1910]44	[14]44	[1.92]44	[84]44	[33]44
Wick	29.763	37.3	36.1	42.4	33.0	60	1898	—	1881	21	2.42	—	—
Nairn	29.811	37.5	36.1	42.6	31.9	59	1887	4	1910	18	1.98	[47]**	[21]**
Aberdeen	29.857	36.7	35.2	42.1	33.0	59	1898	4	1881	18	2.09	51	23
Leith	29.901	39.5	37.6	44.0	33.8	58	1898	9	1881	15	1.73	—	—
North Shields	29.951	38.2	37.0	43.3	33.5	58	1890, 98	6	1881	14	1.53	—	—
Spurn Head	29.906	37.7	36.7	41.9	34.6	[55]*	[1898]*	[13]*	[1881]*	15	1.20	—	—
Yarmouth	30.042	37.3	36.1	41.5	33.4	57	1899	10	1881	17	1.59	[70]44	[32]44
Clacton-on-Sea	30.084	37.2	36.2	41.5	33.0	[54]44	[1901, 05]44	[21]44	[1907]44	15	1.26	[77]*	[30]*
Nottingham	30.047	36.7	35.6	42.4	32.3	58	1877	2	1881	19	1.77	[43]44	[17]44
Bath	30.113	38.5	37.4	44.2	33.6	[57]44	[1883]44	[11]44	[1881]44	16	2.33	46	18
Oxford	30.121	37.1	35.7	42.9	33.0	60	1877, 90, 1906	7	1881	15	1.79	51	20
LONDON { Westminster	30.092	38.5	37.1	[44.6]*	[34.0]*	[56]*	[1910]*	[20]*	[1908]*	[12]*	[1.50]*	22	9
LONDON { Kew	30.110	38.0	36.3	42.8	34.2	56	1877, 1910	9	1881	15	1.76	44	17
Sumburgh Head	29.693	37.9	36.5	41.8	34.2	53	1910	17	1895	22	2.98	—	—
Stornoway	29.690	38.5	37.5	43.8	34.0	55	1891	12	1892	22	4.28	60	23
Castlebay (Barra Isd.) ..	[29.772]44	[42.7]44	[40.9]44	[45.7]44	[39.0]44	[50]44	[1909]44	[29]44	[1908]44	[33]44	[3.38]44	[51]44	[20]44
Malin Head	29.777	40.8	39.8	44.4	37.2	[59]44	[1891]44	[20]44	[1895]44	[19]44	[2.31]44	—	—
Blackod Point	29.879	43.0	41.1	46.6	38.1	[61]44	[1891]44	[24]44	[1902]44	[22]44	[3.80]44	—	—
Valencia	29.969	43.4	41.2	49.1	39.9	58	1891	22	1895	22	4.96	71	26
Roche's Point	29.967	42.1	41.6	48.0	39.3	56	1877, 89, 96	25	1895, 1900, 02	18	3.83	—	—
Birr Castle	29.927	38.5	37.5	46.8	34.6	59	1891	6	1895	17	2.24	67	25
Donaghadee	29.858	39.4	38.3	45.5	36.1	57	1897, 1903	13	1895	18	2.31	—	—
Liverpool (Observatory) ..	29.895	37.8	36.2	44.2	33.6	62	1878	12	1895	16	1.76	[88]44	[32]44
Holyhead	29.890	41.3	40.1	45.3	38.1	59	1891	17	1895	17	2.44	—	—
Pembroke (St. Ann's Hd.) ..	29.934	42.0	40.4	45.6	39.0	56	1903	23	1895	17	2.57	77	28
Scilly (St. Mary's)	30.189	44.7	42.1	49.0	42.1	57	1896, 99	27	1895	18	2.57	87	31
Jersey (St. Aubin's)	30.022	42.0	39.8	47.1	38.8	62	1891	18	1895	18	2.51	92	33
Portland Bill	29.928	41.5	40.1	45.7	38.4	[54]44	[1903]44	[25]44	[1900]44	13	1.87	—	—
Dunegness	29.932	38.0	36.7	44.2	35.2	57	1897	11	1889	15	[1.40]44	—	—
Dover	[29.982]44	[38.0]44	[36.8]44	[44.8]44	[34.6]44	[55]44	[1909]44	[26]44	[1909]44	[17]44	[1.42]44	[83]44	[33]44
Wick	29.692	36.8	35.3	42.8	32.6	59	1878	2	1895	19	2.24	—	—
Nairn	29.715	36.3	34.9	43.6	31.5	64	1891	0	1895, 97	16	1.73	[85]**	[29]**
Aberdeen	29.759	37.0	35.4	43.1	33.1	64	1897	6	1895	17	2.11	76	29
Leith	29.777	38.1	36.1	45.3	33.8	59	1882	12	1895	14	1.45	—	—
North Shields	29.813	37.1	35.8	44.3	33.4	60	1898, 99	7	1895	14	1.43	—	—
Spurn Head	29.850	37.5	36.4	42.8	35.4	[61]*	[1899]*	[20]*	[1895]*	13	1.26	—	—
Yarmouth	29.898	37.1	35.8	42.6	33.9	58	1898	15	1895	16	1.58	[81]44	[30]44
Clacton-on-Sea	29.933	36.8	35.8	43.1	34.1	[58]44	[1903]44	[20]44	[1901]44	12	1.35	[86]*	[31]*
Nottingham	29.890	36.5	35.2	44.6	33.3	61	1890	2	1895	17	1.61	[62]44	[23]44
Bath	29.905	37.4	36.4	46.2	34.3	[62]44	[1899]44	[16]44	[1902]44	14	2.12	73	26
Oxford	29.905	36.7	35.2	45.2	34.0	64	1891	7	1895	14	1.69	76	25
LONDON { Westminster	29.940	38.0	36.5	[46.0]*	[35.3]*	[56]*	[1909, 10]44	[23]*	[1909]44	[15]*	[1.28]*	37	13
LONDON { Kew	29.958	37.4	35.6	44.8	35.1	62	1899	11	1895	14	1.59	60	23
Sumburgh Head	29.773	37.8	36.4	42.6	34.1	57	1893	18	1879	25	2.95	—	—
Stornoway	29.824	38.4	37.4	45.0	34.1	57	1894, 1907	13	1881	23	3.90	104	29
Castlebay (Barra Isd.) ..	[29.796]44	[41.0]44	[39.3]44	[45.0]44	[33.2]44	[50]44	[1908]44	[28]44	[1				

DAILY WEATHER REPORT. APPENDIX I.

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

SECOND QUARTER, APRIL TO JUNE.

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

STATIONS.	PRESSURE. 1906-1910. 7 a.m. Observations (reduced to M.S. Level and to Lat. 46°).	AIR TEMPERATURE.								RAINFALL. 1876-1910. Days with Rain. Total Fall.		BRIGHT SUNSHINE. 1881-1910. Average Duration. Per Centage of Possible Duration.		
		Means of				Absolute Extremes.								
		1906-1910.		1876-1910.		1876-1910.								
		Dry Bulb 7 a.m.	Wet Bulb 7 a.m.	Daily Maximum.	Daily Minimum.	Maximum.		Minimum.						
						Temp.	Year.	Temp.	Year.					
APRIL.	In.										In.	Hr.	%	
	Sumburgh Head.....	29'844	39'8	38'2	45'9	36'9	1901	21	1899	19	2'02	—	—	
	Stornoway.....	29'865	40'6	39'2	49'1	37'2	1893	20	1881	18	2'77	159	37	
	Castlebay (Barra Isd.)..	[29'876]44	[42'3]44	[40'5]44	[47'2]44	[39'7]44	[1908]44	[27]44	[1908]44	[21]44	[3'26]44	[177]44	[42]44	
	Malin Head.....	29'867	42'3	40'9	49'4	40'7	1900	26	1908	19	1'00	—	—	
	Blackod Point.....	29'914	45'0	43'0	51'4	41'9	1893	29	1897	20	2'95	—	—	
	Valencia.....	29'655	44'9	43'0	53'4	42'5	1892	30	1879, 92, 97, 98, 00	20	3'03	150	39	
	Roche's Point.....	29'667	44'2	43'1	52'9	42'2	1893	29	1908	16*	3'14	—	—	
	Birr Castle.....	29'940	42'7	41'3	54'0	38'1	1893	21	1892	18	2'21	153	37	
	Donaghadee.....	29'933	41'5	40'1	50'7	40'1	1909	28	1908	18	2'07	—	—	
	Liverpool (Observatory)	29'936	42'3	40'2	52'3	40'1	1893	28	1908	14	1'00	[175]44	[42]44	
	Holyhead.....	29'926	44'1	42'4	51'0	41'4	1893	30	1908	15	2'14	—	—	
	Pembroke (St. Ann's Hd.)	29'929	43'2	42'0	50'3	41'9	1893	29	1908	15	2'11	178	43	
	Selly (St. Mary's).....	30'066	45'9	44'0	52'6	44'7	1893	32	1876	16	2'13	181	44	
	Jersey (St. Aubin's)....	29'961	46'2	43'9	54'3	43'6	1893	32	1876, 92, 99, 03, 08, 10.	15	2'13	193	47	
	Portland Bill.....	29'938	44'1	42'3	51'7	42'3	[1901, 04]44	[30]44	[1908]44	13	1'65	—	—	
	Dunegness.....	29'922	43'8	42'2	51'5	40'7	1901	24	1903	13	[1'34]44	—	—	
	Dover.....	[29'944]44	[43'9]44	[42'3]44	[52'0]44	[39'6]44	[1909]44	[29]44	[1908]44	[15]44	[1'94]44	[200]44	[40]44	
	Wick.....	29'859	40'3	38'5	49'1	36'7	1900	20	1905	18	1'96	—	—	
	Nairn.....	29'872	39'7	37'5	51'4	38'0	1900	18	1908	18	1'45	[144]**	[34]**	
	Aberdeen.....	29'890	41'3	39'6	49'5	37'6	1900	22	1906	18	2'00	157	37	
	Leith.....	29'904	42'2	40'0	52'2	37'8	1900	17	1908	14	1'40	—	—	
	North Shields.....	29'915	41'0	39'4	49'9	37'7	1892	23	1908	15	1'03	—	—	
	Spurn Head.....	29'909	42'4	41'0	49'2	40'0	[67]*	[1885]*	[30]*	[1881, 89, 93, 05]*	14	1'10	—	—
	Yarmouth.....	29'921	42'8	40'7	49'4	39'7	1885	25	1878	15	1'61	[200]44	[50]44	
	Clacton-on-Sea.....	29'936	43'4	41'5	50'7	40'1	[1907, 09]44	[20]44	[1903]44	12	1'50	[188]44	[46]44	
	Nottingham.....	29'937	42'5	39'8	54'1	37'9	1876	29	1888	16	1'03	[152]44	[37]44	
	Bath.....	29'980	42'7	40'9	54'8	38'7	[1901]44	[20]44	[1906, 08]44	13	2'17	149	36	
	Oxford.....	29'985	43'7	41'1	54'9	38'6	1893	23	1892	14	1'73	153	37	
	LONDON { Westminster	29'941	43'0	41'2	[54'9]44	[40'3]44	[1907]44	[20]44	[1910]44	[16]44	[1'80]44	121	29	
	LONDON { Kew.....	29'967	42'5	40'3	54'7	39'5	1900, 01	27	1887, 91	13	1'06	153	37	
MAY.	Sumburgh Head.....	29'904	43'8	42'1	49'9	40'2	1895	27	1877	18	1'91	—	—	
	Stornoway.....	29'893	46'4	44'5	53'3	41'2	1908	26	1906	19	2'53	192	37	
	Castlebay (Barra Isd.)..	[29'940]44	[48'2]44	[46'1]44	[58'7]44	[45'3]44	[1908, 10]44	[32]44	[1909]44	[21]44	[2'45]44	[220]44	[44]44	
	Malin Head.....	29'888	46'9	46'0	54'1	44'9	[1908]44	[35]44	1886, 91, 97, 04, 06, 10	[18]44	[2'10]44	—	—	
	Blackod Point.....	29'899	49'3	47'5	55'9	45'9	[1890]44	[34]44	[1910]44	[19]44	[2'87]44	—	—	
	Valencia.....	29'915	50'1	48'1	57'6	46'0	1884, 95, 97	34	1877, 85, 96	18	3'15	207	43	
	Roche's Point.....	29'938	49'7	48'2	57'7	46'3	1896	35	1909	15	2'59	—	—	
	Birr Castle.....	29'925	50'1	48'0	59'6	42'5	1881, 95	28	1877	15	2'29	185	38	
	Donaghadee.....	29'929	46'8	45'3	55'8	44'0	1896	33	1909	16	2'35	—	—	
	Liverpool (Observatory)	29'946	49'1	46'7	58'0	45'0	1895	30	1883	15	1'99	[239]44	[40]44	
	Holyhead.....	29'927	49'7	48'0	55'8	45'6	1895	37	1894, 03, 07, 09	14	1'97	—	—	
	Pembroke (St. Ann's Hd.)	29'926	48'5	47'3	55'0	45'9	1890, 1910	34	1879	14	1'94	219	46	
	Selly (St. Mary's).....	30'054	50'2	48'6	56'4	48'2	1896	38	1883	13	1'74	231	49	
	Jersey (St. Aubin's)....	29'976	52'4	49'9	59'5	47'9	1908	35	1905, 06	13	1'90	244	52	
	Portland Bill.....	29'951	49'7	48'1	56'8	46'5	[1910]44	[36]44	[1902]44	12	1'47	—	—	
	Dunegness.....	29'951	50'3	48'7	57'3	46'0	1892	30	1892, 02	12	[1'34]44	—	—	
	Dover.....	[29'934]44	[51'6]44	[49'1]44	[58'9]44	[45'7]44	[1909]44	[36]44	[1909, 10]44	[12]44	[1'76]44	[256]44	[52]44	
	Wick.....	29'897	45'8	43'6	53'8	40'6	1891	24	1876	18	2'05	—	—	
	Nairn.....	29'897	46'4	44'1	55'6	40'9	1885	26	1894	18	1'75	[177]**	[35]**	
	Aberdeen.....	29'923	47'5	45'3	54'6	41'7	1902	29	1884, 91	17	2'27	187	37	
	Leith.....	29'914	48'0	45'6	57'4	42'5	1881	27	1883	15	1'83	—	—	
	North Shields.....	29'932	48'1	46'1	54'5	42'3	1903	29	1891, 09	14	1'91	—	—	
	Spurn Head.....	29'935	49'2	47'2	54'6	45'0	[75]*	[34]*	[1883]*	13	1'61	—	—	
	Yarmouth.....	29'950	50'2	47'6	55'3	44'9	1909	32	1891, 92	14	1'80	[261]44	[54]44	
	Clacton-on-Sea.....	29'961	50'7	48'4	56'7	45'1	[1909]44	[31]44	[1902]44	10	1'38	[231]44	[48]44	
	Nottingham.....	29'953	49'7	48'0	60'2	42'8	1895	25	1879	16	1'95	[174]44	[36]44	
	Bath.....	29'973	50'9	48'6	61'2	43'8	[1884, 1909]44	[29]44	[1902]44	13	2'03	211	44	
	Oxford.....	29'976	51'9	48'6	60'9	43'7	1895	28	1877	13	1'85	195	41	
	LONDON { Westminster	29'958	51'2	48'6	[62'3]44	[46'7]44	[1909]44	[33]44	[1906]44	[12]44	[1'51]44	171	36	
	LONDON { Kew.....	29'973	50'7	48'0	61'1	44'5	1895	30	1877	13	1'76	201	42	
	JUNE.	Sumburgh Head.....	29'924	48'0	46'7	54'0	44'9	1891	31	1888	15	1'71	—	—
Stornoway.....		29'951	51'0	48'6	58'4	46'3	1893, 02, 05	31	1888	16	2'42	179	34	
Castlebay (Barra Isd.)..		[29'910]44	[51'0]44	[49'6]44	[67'2]44	[49'1]44	[1908, 10]44	[44]44	[1908, 10]44	[14]44	[1'94]44	[209]44	[40]44	
Malin Head.....		29'947	51'5	50'3	58'8	49'3	[1905]44	[40]44	[1902, 07]44	[10]44	[2'16]44	—	—	
Blackod Point.....		29'963	53'6	51'7	60'8	51'0	[1887]44	[40]44	[1894, 07]44	[17]44	[2'78]44	—	—	
Valencia.....		30'014	54'2	52'2	62'2	51'0	1887, 02	38	1903	17	3'37	190	39	
Roche's Point.....		30'016	54'3	52'5	63'0	51'4	1876, 87	41	1881	13	3'05	—	—	
Birr Castle.....		29'999	54'4	52'3	64'9	48'7	1887	32	1881	15	2'45	165	38	
Donaghadee.....		29'985	51'4	49'8	60'9	49'2	1887	36	1880	15	2'34	—	—	
Liverpool (Observatory)		29'994	53'5	51'1	63'7	51'1	1878, 93	40	1903, 07	14	2'25	[198]44	[40]44	
Holyhead.....		29'980	53'8	52'3	61'2	50'8	1878	42	1882	14	2'25	—	—	
Pembroke (St. Ann's Hd.)		29'992	52'7	51'4	60'1	51'4	1893	38	1888	13	2'04	223	46	
Selly (St. Mary's).....		30'125	54'4	52'6	61'3	53'2	1893	41	1888	14	1'78	238	49	
Jersey (St. Aubin's)....		30'050	56'7	54'3	64'8	52'9	1878, 93	39	1890	12	2'09	239	50	
Portland Bill.....		29'987	54'1	52'4	61'9	52'1	[1903]44	[43]44	[1903]44	10	1'51	—	—	
Dunegness.....		29'987	55'3	53'1	62'8	52'0	1878	37	1890, 1, 2, 3, 09	12	[1'66]44	—	—	
Dover.....		[29'990]44	[56'8]44	[53'4]44	[63'1]44	[50'4]44	[1908]44	[39]44	[1909]44	[14]44	[1'63]44	[207]44	[42]44	
Wick.....		29'939	50'3	48'2	58'5	45'4	1878	30	1881, 1903	15	1'82	—	—	
Nairn.....		29'948	51'6	48'9	62'2	46'5	1876	30	1888, 1903	15	1'82	[193]**	[31]**	
Aberdeen.....		29'964	52'8	49'9	60'2	47'0	1881, 87	30	1888	15	1'82	184	35	
Leith.....		29'962	53'4	50'2	63'1	48'2	1887	34	1886	14	1'82	—	—	
North Shields.....		29'973	52'9	50'6										

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

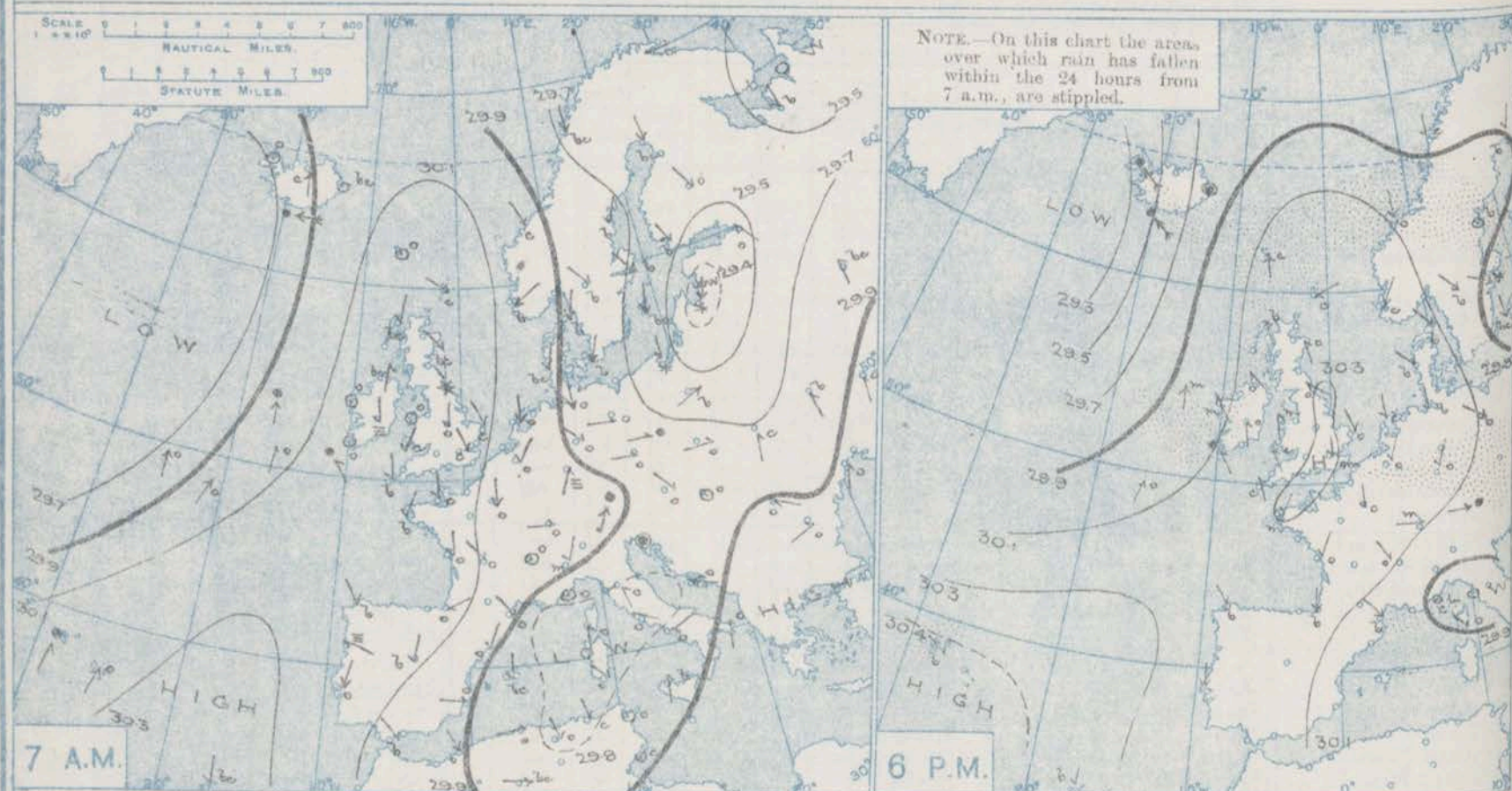
Saturday
1st March 1913.

STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
		BAROM.		TEMP.		WIND.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.				
		At 52° Fahr. and M.S.L. Lat. 46°.	Dry Bulb.	Direc.	Force (0 to 12).		Weather.	At 52° Fahr. and M.S.L. Lat. 46°.	Change since 4 a.m.	Dry Bulb.						Change since Yester- day.	Direc.	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'a. 1 p.m. to 6 p.m.		Night. 6 p.m. to 7 a.m.
		In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	Hours		
BRITISH ISLANDS.	Lerwick ...	30.26	34	ENE	2	c	30.01	-07	40	+7	SE	6	o	5	-	40	31	o.c.	c	o.c.	*	
	Stornoway ...	30.15	40	SSE	3	b	29.86	-06	44	+10	S	7	r	5	0.22	44	33	bc.b.	bc	bc.b.	6.7	
	Castlebay (Barra Isd.) ...	30.16	43	ESE	4	o	29.89	-04	46	+8	SSE	4	d	5	0.07	46	37	bc.b.	bc.o	opd.	2.5	
	Malin Head ...	30.13	44	SE	1	o	29.85	-08	45	+7	SSW	6	cbq	4	0.02	47	35	bc	om	ogp	*	
	Blacksod Point ...	30.05	46	SSE	6	m	29.81	-10	51	+8	S	7	o	5	0.03	51	42	om	omg	omg	*	
	Valencia ...	30.11	47	SSE	3	pm	29.87	-06	49	+11	SSE	5	r	4	0.31	51	38	omp	omp	ogp	0.0	
	Roches Point ...	30.20	47	S	3	o	30.02	*	47	+9	S	5	r	5	0.04	49	37	fo	o	op	*	
	Birr Castle ...	30.14	47	S	1	o	29.97	*	47	+14	S	4	c	*	-	49	32	c	c.o	o.c.	0.0	
	Donaghadee ...	30.20	43	S	2	bc	30.06	-04	44	+6	S	4	r	3	0.04	45	36	c	bc.m	omr	*	
	Liverpool Obsy. ...	30.29	41	SSE	2	o	30.23	-02	35	-3	SE	3	bc	3	-	43	35	og	o	bc	0.0	
	Holyhead ...	30.24	41	S	2	m	30.15	-02	42	+1	S	7	m	6	-	44	40	om	om	omg	*	
	Pembroke (St. Ann's Hd.) ...	30.27	43	SSE	2	c	30.17	-02	43	+2	S	6	og	5	-	47	40	c	bc.m	ogm	1.0	
	Newquay ...	30.27	43	SE	2	cm	30.20	-02	42	+5	SE	3	c	3	-	51	36	of.b.	c	c	3.7	
	Scilly (St. Mary's) ...	30.25	47	SSE	2	cm	30.16	-03	45	+3	SSE	5	bc	4	-	51	41	bc.m	cm	bc.m	4.4	
	Jersey (St. Aubin) ...	30.29	44	NE	3	og	30.32	*	42	-2	E	4	og	4	-	47	40	c.om	c.om	og	0.8	
	Portland Bill ...	30.31	43	S	1	o	30.29	-01	44	+8	SSE	3	o	3	-	44	36	c	c.o	o	*	
	Dungeness ...	30.25	41	NNE	3	c	30.32	00	40	+1	ESE	2	ou	2	-	44	36	c	c	c.o	*	
	Dover ...	30.28	38	NNW	2	c	30.37	*	36	-1	SE	1	o	2	0.02	44	35	c.o	bc.c.	c.o	3.2	
	Wick ...	30.22	37	S	2	c	29.94	-08	40	+8	SSW	5	og	5	-	41	31	c	c	c.o	*	
	Nairn ...	30.20	35	-	0	bc	29.96	*	42	+11	WSW	2	o	1	trace	42	30	ge	bc	go	0.1	
Aberdeen ...	30.28	38	SSE	1	o	30.09	-05	40	+8	S	3	o	2	-	40	32	bc.c	c.o	o	1.3		
Leith ...	30.25	39	ESE	1	o	30.13	-03	42	+6	S	3	bc	*	-	43	35	og	og	og	*		
North Shields ...	30.30	38	ESE	2	r	30.21	-02	38	+3	SSW	3	o	3	0.03	40	32	otsp	otsp.o	o	0.0		
Spurn Head ...	30.30	39	-	0	c	30.29	-01	37	+1	SSE	4	c	5	0.02	43	35	og	ap	comf	0.5		
Yarmouth ...	30.27	38	NNW	2	o	30.36	+03	38	-1	-	0	c	0	-	46	37	c.b.c.	bc.o	o.c.	4.7		
Clacton-on-Sea ...	30.28	37	NE	2	o	30.35	00	38	+3	NNE	1	o	1	-	43	35	c	c.o	o	1.5		
Nottingham ...	30.30	40	ENE	1	o	30.30	*	37	+1	S	2	o	*	-	42	35	om	om.c	o	0.1		
Bath ...	30.30	41	SE	1	c	30.31	*	32	-2	-	0	o	*	-	45	28	-	-	-	3.7		
London (Kew Obsy.) ...	30.31	41	N	2	om	30.35	00	37	-1	ESE	1	om	*	-	42	36	om.o	c.om	om.o	0.5		
ICELAND & FAEROE.	Isafjord ...	29.31	40	SE	9	r	29.06	+08	36	-5	SW	5	c	*	*	*	*	GALES. Duration and Extreme Force on British Coasts.				
	Reykjavik ...	29.28	43	SE	8	o	29.20	+02	35	-8	E	3	bc	*	*	*	*					
	Vestmanna ...	29.44	43	SE	8	r	29.29	-01	38	-6	SW	3	b	3	*	*	*					
	Seydisfjord ...	29.73	40	-	0	r	29.22	-03	42	+20	-	0	o	*	*	*	*					
	Thorshavn ...	30.15	35	S	4	c	29.69	-11	42	+12	S	5	t	*	*	*	*					
SCANDINAVIA.	Haparanda ...	29.91	44	NNE	2	b	30.13	+04	41	0	N	4	b	*	-	5	-13					
	Hernösand ...	29.94	43	-	0	s	30.19	+09	0	-4	N	2	b	*	-	21	-2					
	Stockholm ...	29.82	21	NNW	4	s	30.11	+08	15	-4	NNW	4	b	*	-	25	12					
	Wisby ...	29.88	26	N	6	bc	30.07	+10	23	-5	N	8	bc	*	-	28	21					
	Karlstad ...	30.02	24	NW	4	b	30.24	+06	14	-4	-	0	b	*	-	28	12					
	Færder (X'ania Fjord) ...	30.08	30	NW	5	b	30.26	+07	27	+1	N	3	b	1	-	32	25					
	Bodö ...	29.87	28	N	4	c	29.48	+07	19	-5	NE	2	b	2	?	28	18					
	Christiansund ...	30.14	29	N	4	o	30.20	+04	30	+2	SW	2	c	3	0.28	30	25					
	Skudesnaes ..	30.22	31	NE	4	c	30.28	00	29	0	E	4	b	1	-	36	27					
	The Scaw (Skagen) ...	30.12	33	NNW	3	b	30.27	+06	32	0	NNE	4	b	1	-	34	30					
GERMANY, &c.	Blaavands Huk ...	30.17	30	NNW	1	b	30.29	+04	29	-3	NE	1	b	1	-	36	23					
	Cuxhaven ...	30.19	33	N	3	b	30.32	+03	29	-7	N	1	max	*	-	36	28					
	The Helder ...	30.27	37	N	3	o	30.39	+03	35	-3	-	0	c	0	-	39	35					
	Brussels ...	30.28	37	NNE	3	o	30.40	+03	30	-8	NE	1	b	*	trace	39	30					
	Berlin ...	30.10	32	NW	4	b	30.29	+04	27	-12	NNW	2	bc	*	trace	41	27					
FRANCE.	Frankfurt ...	30.19	37	NE	1	o	30.36	+06	29	-10	NE	1	b	*	trace	45	28					
	Munich ...	30.08	35	N	4	r	30.34	+05	27	-8	NE	4	s	*	0.16	37	27					
	C. Gns Nez ...	30.25	40	NNE	4	o	30.36	+03	35	-4	ESE	2	o	2	0.08	43	35					
	La Hève ...	30.28	41	NNE	3	o	30.28	00	36	-5	E	2	o	2	-	46	34					
	Brest (St. Mathieu) ...	30.30	50	NE	1	m	30.27	-02	41	-2	SE	4	b	4	-	52	39					
SPAIN, PORTUGAL, &c.	Lorient (Bec Melen) ...	30.27	46	NE	2	o	30.22	*	44	-1	S	3	o	3	-	52	37					
	Rochefort (Ile d' Aix) ...	30.23	46	NE	3	o	30.24	*	38	-6	EHE	3	c	3	-	54	37					
	Biarritz ...	30.19	50	N	4	b	30.25	*	44	-4	ESE	3	c	3	-	54	41					
	Paris ...	30.24	41	N	3	o	30.35	+03	34	-8	NE	1	o	*	-	43	34					
	Belfort ...	30.10	39	N	3	m	30.30	*	31	-4	E	2	o	*	-	42	31					
	Lyons ...	30.10	42	NW	3	o	30.26	*	34	-6	NNW	2	o	*	-	44	34					
	Nice ...	29.84	45	-	0	c	29.92	+05	47	+3	-	0	b	2	-	52	41					
	Perpignan ...	30.01	49	NW	4	b	30.10	+02	44	-6	NW	4	b	*	trace	56	42					
	Sanguinaire ...	29.90	48	NW	3	o	29.89	*	50	0	N	2	m	3	0.04	55	43					
	Corunna (8 a.m.) ...	30.26	52	NNW	1	b	30.23	00	41	-4	E	1	b	2	-	55	37					
Lisbon (9 a.m.) ...	30.24	50	N	4	b	30.24	+02	49	-1	N	1	b	5	-	57	46						
Gibraltar ...	30.16	53	NW	3	b	30.17	*	49	+3	NW	3	b	0	-	64	46						
Azores (P. Delgada) ...	30.41	54	NNW	3	b	30.38	+01	51	-4	N	3	bc	2	-	63	50						
Azores (Horta) ...	30.30	61	N	2	b	30.29	+01	57	0	N	2	b	2	-	63	45						
Madeira (Funchal) ...	30.30	61	N	2	b	30.29	+01	57	0	N	2	b	2	-	63	45						

* Information for these columns not usually received.

† Received too late for insertion in Charts.

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 28TH FEBRUARY.



GENERAL INFERENCE

WEATHER PROSPECTS.

The high pressure system will continue to move in an easterly direction, and the Southerly wind will increase in force along

our western seaboard, and extend gradually to all parts of England, with a higher temperature and less dry weather.

FORECASTS FOR THE 24 HOURS NOON Saturday TO NOON Sunday.

0 {
a } Southerly winds, fresh or strong to
b } a gale; dull, some rain; milder.

1 {
a } Southerly winds, increasing in
b } force; cloudy or overcast generally,

2 {
a } some rain in places; milder.
b }

3 {
a } Wind becoming Southerly and
b } increasing somewhat; a good deal

4 {
a } of cloud generally, some rain
b }

5 {
a } locally to-morrow; milder.
b }

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Coast.	South Coast.
North Coast.	North Coast.

South Coast hoisted this morning at 7.50 in Districts 0, 6, 7, 8 (2 miles), 9 and 10.

6 {
a } Southerly and South-Westerly
b } winds, fresh or strong to a

7 {
a } gale; much cloud, some
b } rain and mist; mild.

8 {
a } Southerly and South-Westerly
b } winds, increasing; cloudy to rainy
some mist; mild.

9 {
a } Same as Nos. 6 and 7.
b }

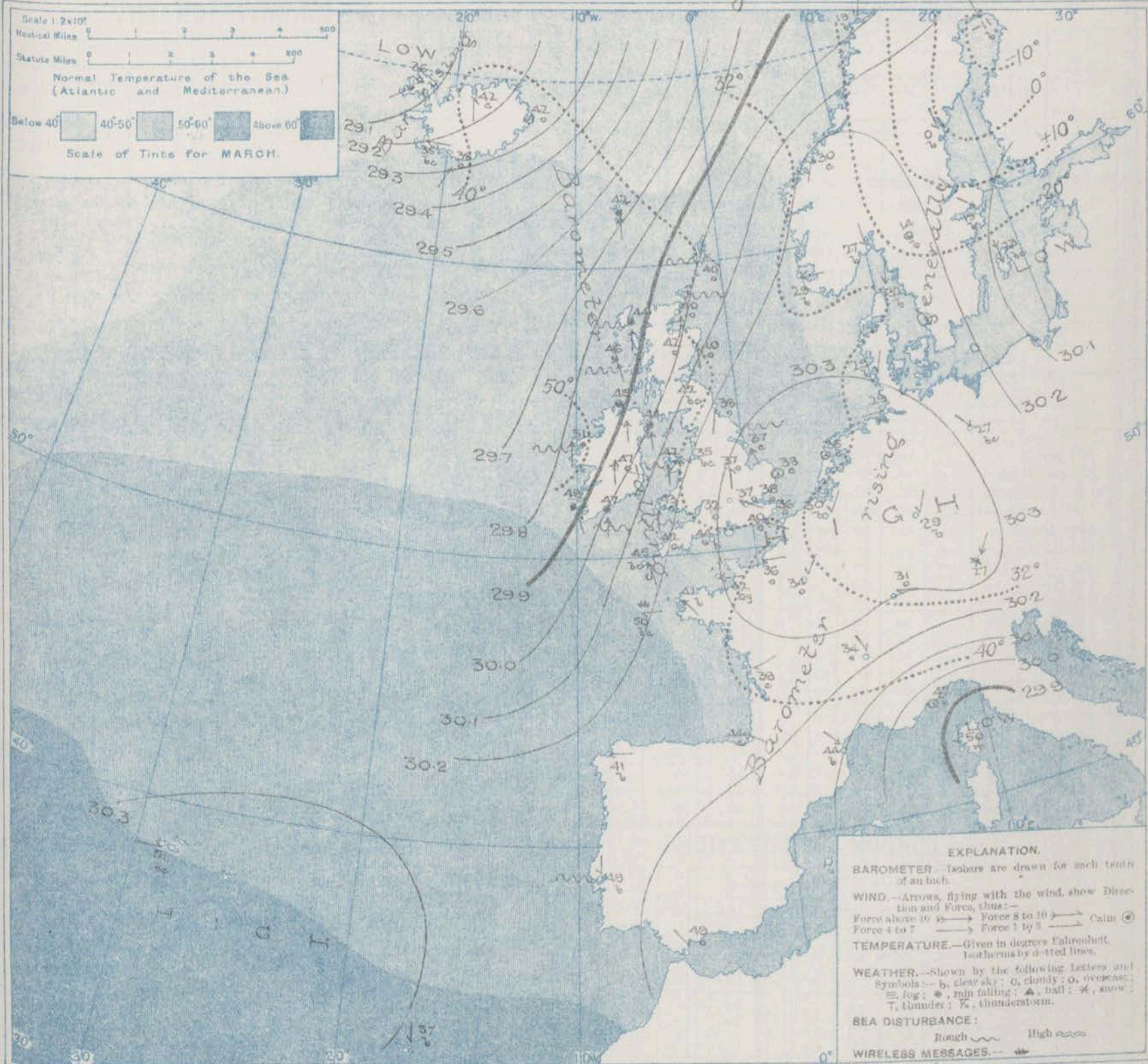
10 {
a }
b }

11 WESTERN CHANNEL AND BAY.

Wind mainly between South and South-West; moderate to strong; sea slight to rather rough; some rain and mist.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. Saturday, 1st MARCH 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure is above 30.3 in. in an anticyclone covering the Netherlands and a considerable portion of England, France and Germany, and a similar value is reported at the Azores. At Blacksod Point the readings decrease to 29.8 in., and in the north-west of Iceland to below 29.1 in.

Southerly winds prevail over Ireland and the west and north of Great Britain, and blow freshly or strongly on several parts of our western and north-western coasts. In the south-east of England calms or light South-Easterly airs are reported. Temperature has risen decidedly in

Ireland and Scotland, fallen on the Continent, changed little over England. In these Islands it ranges from about 50° on our extreme west coast to 35° at Liverpool and 32° at Bath; on the Continent from 49° at Gibraltar to below 32° in central and northern Europe, and to zero or below in the north of Sweden. Rain has set in at several stations in Ireland, the Hebrides, and at Thorshavn, and over the United Kingdom generally the sky is cloudy or overcast. In the central and northern countries the weather is mostly fair to bright, but snow is falling at Munich.

DAILY WEATHER REPORT.

Saturday, 1st March 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- Outward. H- Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- Outward. H- Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
28th 6 p.m.	49	15	<i>Majestic</i>	H	29.98	+0.1	SSW	4-5	o	1st 8 a.m. 48° 40' 67"			<i>H.M.S.</i>		30.20		E	1	bc
" "	54	14	<i>Sicilian</i>	H	29.89	00	S	4-5	m	Dry bulb 50° wet bulb 47°. Sea Temperature 50°. Sea Disturbances 1.									
" 7 a.m.	49	24	<i>Arabic</i>	O	29.74	-0.9	S	4-5	o										
" "	48	20	<i>Majestic</i>	H	30.01	-0.06	SW	4-5	o										
" "	53	17	<i>Sicilian</i>	H	29.93	+0.5	S	6-7	r										
" "	50	16	<i>Oceanic</i>	O	30.03	-0.05	SSW	1-3	o										

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.	Oban	In.	45	35	by	bc, c	3.2	England, S.E.	Margate	In.	43	38	ou	ou	1.2
	Stonehaven	"	42	33	o	o, c	0.0		Ramsgate	"	47	37	"	"	1.7
	St. Andrews	"	42	33	o	o, c	0.0		Deal	"	46	37	op, c	bc, o	3.4
	Carnoustie	"	40	30	bc, c	c, o	0.2		Folkestone	"	47	37	om, bc	c, o	2.1
England, N.E.	Harrogate	"	40	30	bc, c	c, o	0.2	England, S.W.	Littlestone	"	46	36	o, bc	o	1.4
	Scarborough	"	43	37	o, c	o, c	0.4		Hastings	"	45	33	c	o	1.5
	Blackpool	"	42	31	o	o	0.0		Bexhill-on-Sea	"	46	36	bc, c	bc, o	0.2
	Southport	"	45	34	c	bc, o	0.0		Eastbourne	"	47	36	bc, o	o	0.3
England, N.W.	Buxton	"	39	30	bc	c, o	0.7	England, S.W.	Seaford	"	44	38	o, c, o	o	0.1
	Matlock	"	45	34	c	bc, o	0.0		Brighton	"	43	38	o, c	o	0.6
	Douglas	"	45	33	bc, c	o	0.0		Worthing	"	44	38	bc, c	o	0.1
	Rhyl	"	46	39	bc	bc	0.3		Littlehampton	"	44	38	bc, c	c, o	0.1
Wales.	Colwyn Bay	"	45	38	c	b	0.4	England, S.W.	Bognor	"	44	38	bc, c	c, o	0.1
	Llandudno	"	46	37	o, c, o	o	0.0		Southsea	"	44	38	bc, c	c, o	0.1
	Bettws-y-Coed	"	46	37	o, c, o	o	0.0		Bournemouth	"	44	38	bc, c	c, o	0.1
	Aberystwyth	"	46	37	o, c, o	o	0.0		Weymouth	"	44	38	bc, c	c, o	0.1
England, E.	Lowestoft	"	41	36	c, op, c	c, o, c	3.5	England, S.W.	Teignmouth	"	47	37	b	bc	7.4
	Felixstowe	"	43	38	om	om	0.9		Torquay	"	45	36	b	bc	7.3
	Walton-on-Naze	"	43	37	b, bc, o	o, bc	1.8		Paignton	"	46	36	b	b	3.8
	Southend-on-Sea	"	43	36	bc	o	1.0		Ilfracombe	"	47	36	bc	bc, c	7.6
			43	36	bc	o	1.0				47	36	bc	bc	

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.		HUMIDITY.		TEMPERATURE.			Rain- fall.	WEATHER.			Sun- shine for Yester- day.	STATIONS.		RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.		
		3 p.m. Yester- day.	9 a.m. To- day.	In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.					In Screen.	Night Min. on Grass.	Night.	Fore- noon.	After- noon.				
				Max.	Min.															Max.		Min.	Night Min.
24 HOURS ENDED 9 A.M. TO-DAY.																							
Greenwich (Royal Obs.) ...		76	74	42	35	30	-	o	o, c	o	0.4	Dublin to 4 p.m.		-	48	36	33	b, fm	bm, c	c	0.4		
City (Banhill Row) ...		"	"	"	"	"	-	"	"	"	0.5	Plymouth to 9 p.m.		-	50	28	28	bc, c	bc	bc, c	0.5		
Westminster (St. James's Pl.)		85	74	43	39	35	-	bc	bc	bc, b	0.4	Darwen		-	39	31	27	o	bc	o	0.4		
Camden Sq. (See Rainfall)		75	69	44	36	33	-	o, bc	c	o	0.6	Manchester		-	41	38	22	bc, c	f, o	o	0.6		
Hampstead (Reservoir) ...		"	66	40	36	34	-	c, o	of	of	0.6	Birmingham		-	42	32	22	o	c	c	0.6		
Kew. (See front page.)				VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																			
				Total.		Average Rate.		Max. Rate.															
S. Kensington (Roof of M.O.)		74	70	283	Joules.	7.3	Milliwatts.	31.5	Milliwatts.	0.8	S. Kensington (Museum Grounds to 6 p.m.)		-	47	38	34	o	o, c	o, c	0.8			

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

1st & 2nd March 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 6.43 6.40	G.M.T. 12.6 12.6	G.M.T. 5.29 5.30
Greenwich	6.49 6.46	12.13 12.12	5.37 5.38
Wick	7.11 7.8	12.25 12.24	5.49 5.41
Valencia	7.31 7.28	12.54 12.53	6.17 6.18

During yesterday temperature rose to about 50° at a few stations in the extreme west and south-west, but remained below 45° over these Islands generally and below 40° at Buxton. Rain has fallen in Ireland, and a slight quantity of sleet has been experienced in the extreme east and south-east of England. Several hours of bright sunshine were recorded on various parts of our south-western and south-eastern coasts, and also at Stomoway. Wireless reports show that a moderate to strong Southerly to South-westerly breeze prevailed as far west as the 24th meridian.

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; i. 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.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Sunday
2nd March 1913.

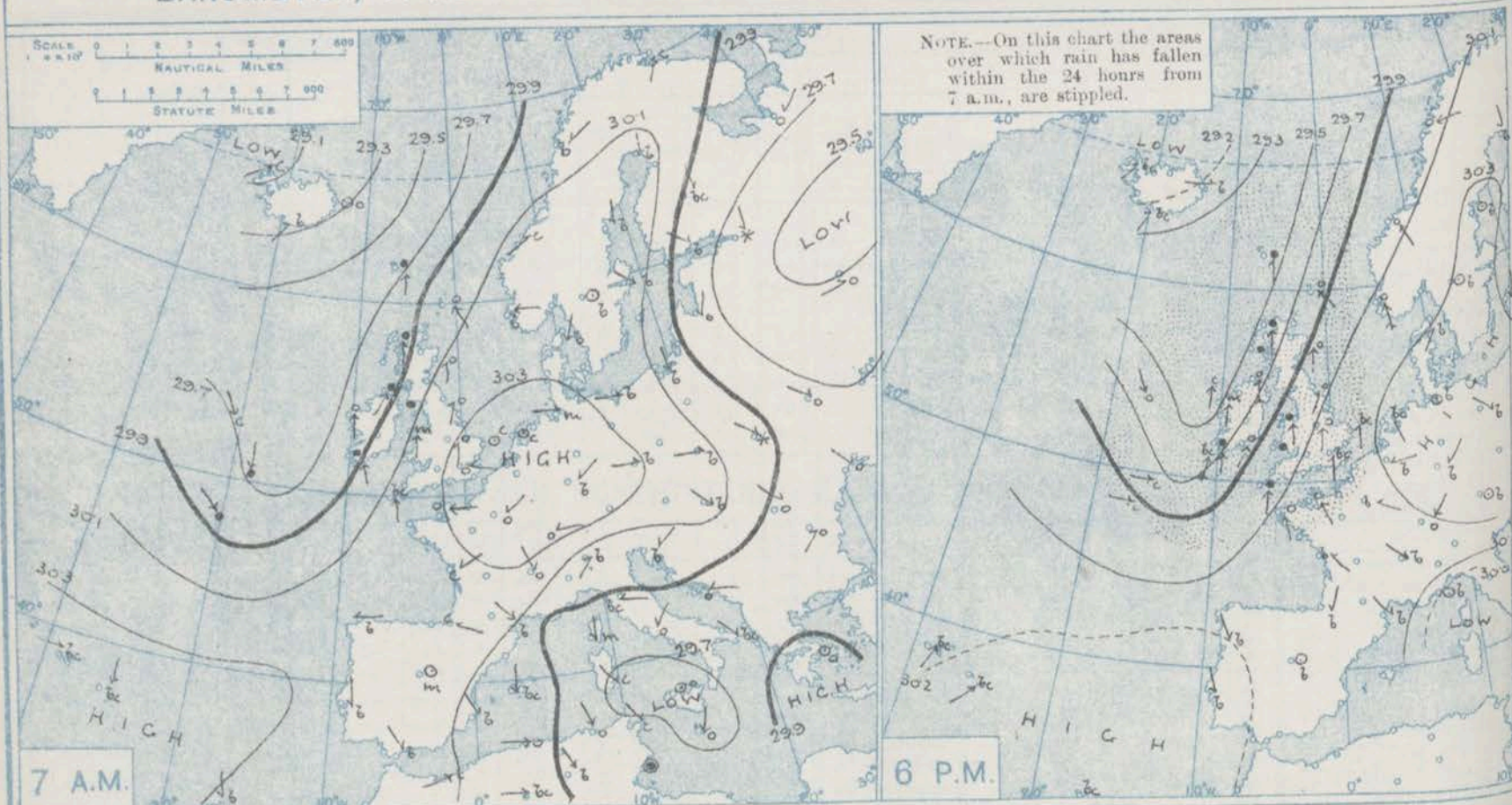
STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M. G.M.T.										PAST 24 HOURS.							Sun- shine for yester- day.
		BAROM.		TEMP.		WIND.	Force (0 to 12).	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.				
		At 32° Fabr. and M.S.L. Lat. 45°.	Dry Bulb.	Direc.	Change since 4 a.m.				Dry Bulb.	Change since yester- day.	Direc.	Max.						Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.			
BRITISH ISLANDS.	Lerwick	In.						In.	In.							In.							Hours	
	Stornoway	29.77	43	SE	4	o		29.46	-0.08	42	+2	SSE	5	r	4	0.14	43	40	om	omd	or			
	Castlebay (Barra Isd.)	29.66	45	S	7	orq		29.42	+0.01	41	-3	SW	4	r	4	0.34	46	40	odq	orq	orq	0.0		
		29.64	46	SSE	5	r		29.48	+0.04	42	-3	WNW	4	o	4	0.38	47	39	d	d.r	d. drop	0.0		
	Malin Head	29.62	46	S	8	o		29.54	+0.12	45	0	W	6	cpq	4	0.07	47	43	ogp	opq	3pq			
	Blacksod Point	29.36	48	S	7	m		29.73	+0.15	44	-7	WSW	6	c	4	0.17	52	41	ompy	ompy	ompy			
	Valencia	29.69	48	S	5	cp		29.91	+0.07	44	-3	WSW	1	c	4	0.32	51	41	ompy	ompy	ompy			
	Roche's Point	29.81	47	SSW	4	o		29.94		40	-7	W	3	b	4	0.74	43	40	r	r.o	chpqb			
	Birr Castle	29.71	47	S	2	o		29.83		40	-7	SW	1	c	4	0.21	43	39	or	or.c	cp.c	0.0		
	Donaghadee	29.84	43	S	4	r		29.62	-0.02	44	0	S	4	c	3	0.14	45	43	orm	orm	o.cq			
	Liverpool Obsy.	30.02	41	SE	3	c		29.82	0.00	42	+7	NW	4	bc	2	Trace	44	35	om	o	bc	0.0		
	Holyhead	29.93	43	S	6	r		29.79	+0.02	44	+2	W	6	c	5	0.10	45	42	orm	orm	op			
	Pembroke (St. Ann's Hd.)	29.95	44	SSE	7	r		29.93	+0.05	44	+1	WSW	5	bcq	6	0.38	47	42	cg	cgq	ormq	0.0		
	Newquay	30.02	45	SSE	5	o		30.06	+0.06	45	+3	W	5	b	4	0.29	47	42	c.o	o.or	o.cq	0.0		
	Scilly (St. Mary's)	29.95	47	S	6	ormq		30.03	+0.02	46	+1	W	5	bcq	6	0.21	50	43	om	ormq	opq	0.0		
	Jersey (St. Aubin)	30.22	45	SE	4	c		30.14		44	+2	SW	3	bcq	3	0.05	45	41	c.b	c.o.c	cp.c	1.7		
	Portland Bill	30.14	43	SSE	5	o		30.10	-0.00	47	+3	WSW	5	bc	5	0.19	47	42	c	c	c.o.c			
	Dungeness	30.24	39	SSE	2	bc		30.05	-0.03	41	+1	SW	5	r	5	0.03	43	38	cp.c	c.b	c.or			
	Dover	30.29	37	SE	2	b		30.12	0	40	+4	SW	6	r	6	0.03	40	35	c.b	c.b	b.b.c	2.2		
	Wick	29.74	43	SSW	5	c		29.45	-0.06	41	+1	SSW	4	cp	4	0.05	44	39	omd	omd	opq.en			
Nairn	29.76	45	SSW	2	c		29.46		42	0	SSW	1	bc	1	Trace	49	39	cp	cp	bcq	0.0			
Aberdeen	29.90	42	S	4	o		29.55	-0.08	41	+1	S	5	c	3	0.02	42	39	om	om	om.c	0.0			
Leith	29.89	45	S	4	o		29.59	-0.04	45	+3	SW	4	c	4	0.04	45	40	og.or	og	od				
North Shields	30.03	41	SSW	2	o		29.72	-0.02	38	0	S	4	c	3	0	46	34	o	c	o	0.2			
Spurn Head	30.12	40	SSE	6	c		29.35	-0.05	38	+1	SSW	6	cp	5	0.09	41	35	om	c.om	omq	0.3			
Yarmouth	30.27	37	S	3	bc		30.02	-0.05	38	0	S	4	r	5	0.07	41	35	c	c.b	o	0.5			
Clacton-on-Sea	30.26	38	S	4	bc		30.04	-0.02	40	+2	S	5	r	4	0.07	40	35	cp.c	c.b	bc.or	1.9			
Nottingham	30.13	40	S	5	o		29.88		40	+3	SSW	3	b	4	0.07	45	36	cp.c	c.o	op	0.1			
Bath	30.15	41	S	3	o		29.99		43	+1	SW	1	b	4	0.16	45	32	o	o	o	0.0			
London (Kew Obsy.)	30.23	38	S	3	o		30.01	-0.03	42	+5	SW	4	bcq	4	0.04	42	37	ompy	o	or.c	0.0			
ICELAND & FAEROE.	Isafjord	29.13	35	SW	4	bc		28.93	+0.03	30	-6	0	c	0	0	0	0	0	0	0	0	0.0		
	Reykjavik	29.13	38	E	3	c		28.89	-0.06	29	-6	E	2	b	0	0	0	0	0	0	0	0.0		
	Vestmanna	29.25	36	SSW	1	bc		29.00	-0.05	31	-7	SW	5	c	2	0	0	0	0	0	0	0.0		
	Seydisfjord	29.23	47	W	3	b		29.02	-0.08	32	-10	0	b	0	0	0	0	0	0	0	0	0.0		
	Thorshavn	29.47	46	S	1	r		29.12	-0.11	44	+2	S	5	o	0	0	0	0	0	0	0	0.0		
	SCANDINAVIA.	Haparanda	30.28	-13	N	2	b		30.21	-0.04	-22	-11	SE	2	b	0	0	-22	0	0	0	0	0.0	
		Hernösand	30.32	2	W	0	b		30.21	-0.05	-14	-4	0	b	0	0	18	-6	0	0	0	0.0		
		Stockholm	30.30	17	W	2	b		30.23	0.00	15	0	SW	2	b	0	0	23	12	0	0	0	0.0	
		Wisby	30.28	24	N	6	o		30.35	+0.02	24	+1	NNE	2	b	0	0	27	21	0	0	0	0.0	
		Karlstad	30.30	19	0	0	o		30.23	-0.02	26	+12	SW	2	c	0	0	30	10	0	0	0	0.0	
Færder (X'ania Fjord)		30.28	30	SW	2	b		30.13	-0.03	33	+6	S	5	o	3	0	32	27	0	0	0	0.0		
Bodö		30.09	20	ENE	4	o		29.72	-0.20	24	+5	E	7	o	2	0	24	18	0	0	0	0.0		
Christiansund		30.04	31	SE	4	o		29.71	-0.08	38	+8	SE	1	o	3	0	37	30	0	0	0	0.0		
Skudesnaes		30.18	35	SSE	8	o		29.91	-0.03	37	+3	SSE	8	o	3	0	37	29	0	0	0	0.0		
The Scaw (Skagen)		30.32	32	SSW	1	b		30.22	-0.02	33	+1	SSW	4	b	1	0	34	30	0	0	0	0.0		
Blaavands Huk	30.34	35	SW	2	o		30.21	-0.04	33	+4	S	4	b	2	0	37	27	0	0	0	0.0			
GERMANY, &c.	Cuxhaven	30.36	31	0	0	b		30.25	-0.04	26	-3	S	2	bc	0	0	37	25	0	0	0	0.0		
	The Helder	30.33	33	SE	2	b		30.10	-0.03	32	-3	S	4	o	1	0	39	30	0	0	0	0.0		
	Brussels	30.30	33	ENE	1	b		30.21	-0.07	31	+1	SSE	5	o	0	0	42	28	0	0	0	0.0		
	Berlin	30.32	32	NW	1	b		30.38	+0.01	23	-4	E	1	bc	0	0	36	21	0	0	0	0.0		
	Frankfurt	30.37	32	NE	1	b		30.34	0.00	26	-3	SE	1	b	0	0	37	25	0	0	0	0.0		
	Munich	30.38	27	0	0	b		30.39	-0.01	20	-7	S	2	b	0	0	34	18	0	0	0	0.0		
	C. Gus Nez	30.28	37	SE	3	b		30.09	-0.03	36	+1	S	3	r	4	Trace	41	34	0	0	0	0.0		
	La Hève	30.28	38	SW	2	o		30.17	0	37	+1	SSW	4	o	4	0.04	43	34	0	0	0	0.0		
	Brest (St. Mathieu)	30.44	49	SSE	4	o		30.17	+0.03	47	+6	W	4	bc	3	0.03	52	45	0	0	0	0.0		
	Lorient (Bee Meien)	30.42	46	S	3	o		30.16	0	43	+4	WSW	3	c	2	0.08	48	43	0	0	0	0.0		
Rochefort (Ile d' Aix)	30.24	42	ESE	2	b		30.25	0	41	+3	SSE	3	o	0	0	52	37	0	0	0	0.0			
Biarritz	30.20	46	NNE	2	b		30.26	0	44	0	0	0	c	1	0	54	37	0	0	0	0.0			
FRANCE.	Paris	30.28	36	SE	1	b		30.23	+0.01	30	-4	SSE	1	o	0	0	46	27	0	0	0	0.0		
	Belfort																							

GALES.
Duration and Extreme Force
on British Coasts.
Malin Head
8am-7pm Extreme 3-9
Blacksod Point
8pm-3am do. 3-9

* Information for these columns not usually received.

† Received too late for insertion in Charts.

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 1ST MARCH.



GENERAL INFERENCE

WEATHER PROSPECTS.

FORECASTS FOR THE 24 HOURS NOON

Sunday TO NOON Monday.

0 {
a
b

1

2 {
a
b

3

4 {
a
b

5

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone	South Cone.
North Cone.	North Cone.

South Cone hoisted yesterday at 1.50 p.m. in Districts 0, 6, 7, 8 (part of) 9 & 10 & at 7.5 p.m. in 1, 2, 3, 5, 8 & 11.

6 {
a
b

7 {
a
b

8 {
a
b

9 {
a
b

10 {
a
b

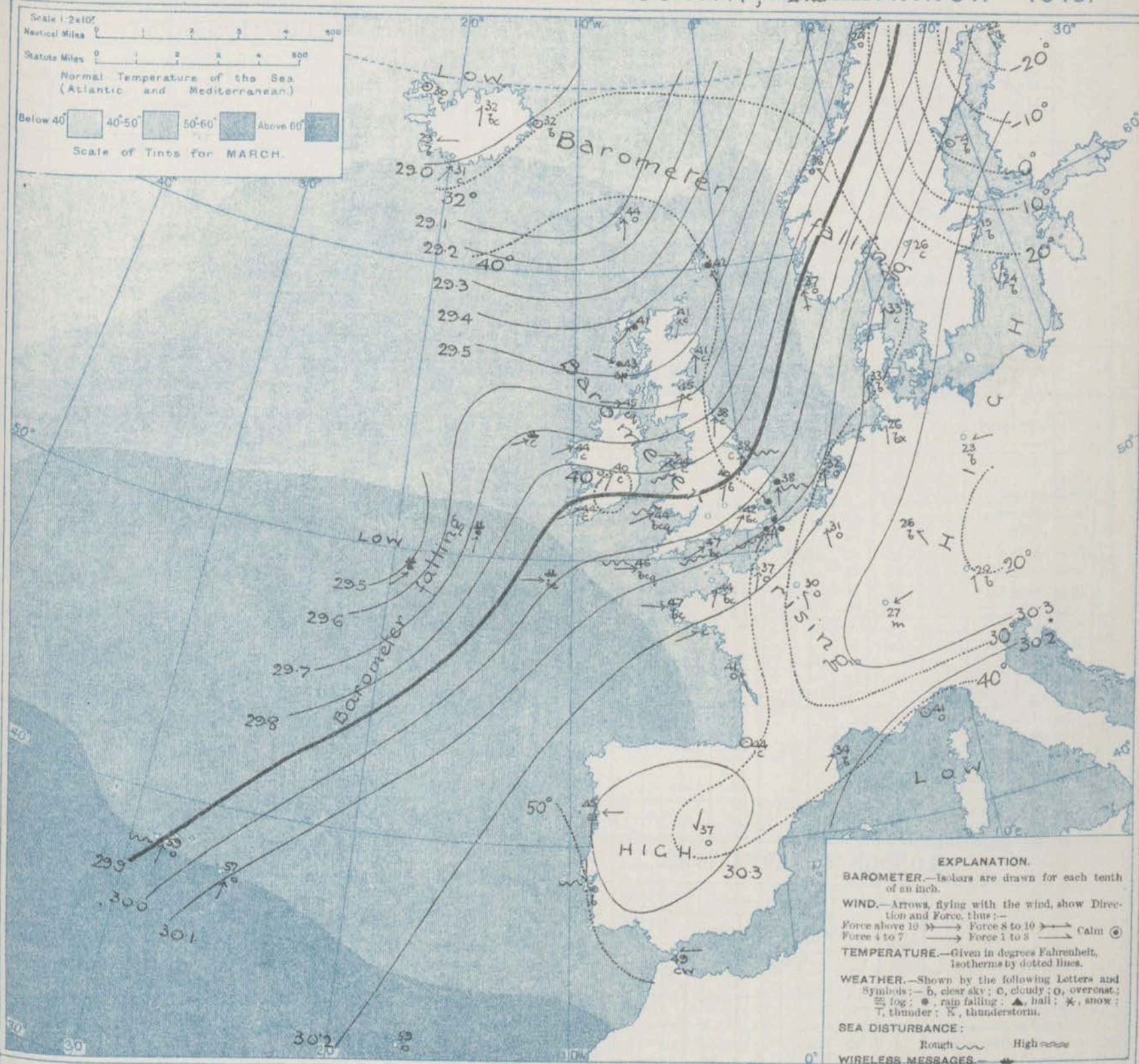
11 WESTERN CHANNEL AND BAY.

THE FURTHER OUTLOOK.

None Issued.

None Issued.

SYNOPTIC CHART FOR 7 A.M. SUNDAY, 2nd MARCH 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure is above 30.3 in. over central Spain, and from eastern France across to Finland. It is below 29 in. over the greater part of Iceland and thence up to Spitzbergen. In a depression in about 50° N., 20° W., a ship reports 29½ in. There is a considerable gradient in most regions.

Southerly to Westerly winds prevail generally, fresh or strong in many localities, a gale at Shagen. At the home stations temperature ranges from 38° on the east coast of England to 46° at Scilly;

on the Continent, from 20° at Munich to 48° at Lorient, and 50° at Lisbon; in Scandinavia from 22° at Haparanda to 38° at Ahlström; and in Iceland from 29° to 32°. At home and abroad the weather varies from fine and clear to cloudy or overcast. Rain is falling on the south-east coast of England, in Shetland and the Hebrides, and beyond the west of Ireland. The Sea is rough on the Straits of Dover and on the Bristol Channel.

DAILY WEATHER REPORT.

Sunday, 2nd March 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- utward. H- omeward.	BAROMETER.		WIND.		WEA- ther.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- utward. H- omeward.	BAROMETER.		WIND.		WEA- ther.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
1st. 6 p.m.	53	18	Canada	H	29.58	+0.6	NW	4-5	0	1st. 6 p.m.	55	11	Galedonia	H	29.39	-0.3	S	6-7	c
" "	48	17	Minnetonka	H	29.92	+0.1	W	4-5	c	" 7 a.m.	52	22	Canada	H	29.65	-0.4	NW	4-5	c
" "	49	16	Ascania	O	29.78	+0.6	W	6-7	c	" "	47	21	Minnetonka	H	29.84	+0.3	WNW	4-5	r
" "	51	11	Victorian	O	29.62	-0.11	SSW	8-9	bc	" "	50	19	Monmouth	O	29.56	-0.8	N	4-5	r

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	Hr.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	Hr.
		Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.		
Scotland.	In.							Margate ...	In.	42	36	0	c, bc	2.3	2.3
Stonehaven ...								Ramsgate ...		40	36	0	bc	2.3	2.3
St. Andrews ...								Deal ...		41	35	c, bc	bc	2.3	2.3
Carnoustie ...								Folkestone ...		42	37	c, bc	bc	5.6	5.6
England, N.E.								Littlestone ...						2.2	2.2
Harrogate ...		42	34	0, c	2, 0	0.0		Hastings ...		41	37	0, bc	bc	2.6	2.6
Scarborough ...								Bexhill-on-Sea ...		41	38	c, 0	0, bc, 0	3.1	3.1
England, N.W.								Eastbourne ...		48	36	0, bc	bc	2.0	2.0
Blackpool ...		44	37	0	0	0.0		Seaford ...		43	36	0, c	c, bc, 0	0.0	0.0
Southport ...		43	34	0	0	0.0		Brighton ...		41	38	0	0	0.0	0.0
Buxton ...		39	30	bc	c	0.1		Worthing ...		42	38	c	c	0.0	0.0
Matlock ...								Littlehampton ...						0.0	0.0
Douglas ...								Bognor ...						0.0	0.0
Wales.								Southsea ...						0.0	0.0
Rhyl ...		48	40	0	0	0.0		Bournemouth ...		44	39	0	0	0.0	0.0
Colwyn Bay ...								Weymouth ...		45	40	0	0	0.0	0.0
Llandudno ...								Teignmouth ...		46	34	c, 0	0, d	0.0	0.0
Bettws-y-Coed ...		46	40	0, c	c, 0	0.2		Torquay ...		46	34		0	0.0	0.0
Aberystwyth ...								Paignton ...		45	31	0	0	0.0	0.0
England, E.								Ilfracombe ...	0.01	46	39	0	out	0.0	0.0
Lowestoft ...		41	36	cm	bc, m	3.6		Weston-super-Mare ...							
Felixstowe ...		45	29		bc, bc	2.5									
Walton-on-Naze ...															
Southend-on-Sea ...		43	36	bc	bc, bc	1.1									

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain- fall.	WEATHER.			Sun- shine for Yester- day.	STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.		
	3 p.m. Yester- day.	9 a.m. To- day.	In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.				In Screen.		Night Min. on Grass.	Night.	Fore- noon.	After- noon.
			Max.	Min.		Max.							Min.					
			24 HOURS ENDED 9 A.M. TO-DAY.															
Greenwich (Royal Obs.) ...	%	%				in.				Hr.	Dublin to 4 p.m.	in.						
City (Bunhill Row) ...	64	86	45	36	33	0.03	0	bc	bc, r	0.0	Plymouth to 9 p.m.	0.24	47	45	43	0p	0r	0, c
Westminster (St. James's Pk.)	"	"	"	"	"	"	"	"	"	0.0	Darwen "	"	48	35	28	0r	0	0
Camden Sq. (Brit. Rainfall)	71	88	46	38	36	0.03	bc	bc, or	bc	0.0	Manchester "	"	46	34	33	0	0	c, q
Hampstead (Reservoir) ...	70	87	45	37	34	0.05	0	0, c	0	0.0	Birmingham "	"	43	37	32	0	0	0
Kew. (See front page.)	"	90	44	36	34	0.05	0	c, or	em	0.0	Oxford to 8 p.m.	"	42	34	26	0	0	0
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																		
Total.			Average Rate.			Max. Rate.												
S. Kensington (Roof of M.O.)	65	97	359	Joules.	9.4	Milliwatts.	25	Milliwatts.	0.0	S. Kensington (Museum Grounds to 6 p.m.)	"	42	38	33	0	0	0	

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

2nd & 3rd March 1913.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth ...		6.40	12.5	5.30
Greenwich ...		6.35	12.5	5.22
Wick ...		6.46	12.12	5.35
Valencia ...		7.28	12.53	6.18

During yesterday temperature was rather low over the Eastern and Midland districts, as low as 40° at Dover, Ramsgate, Glaston and Darwen, 39° at Gupton, in the west it ranged up to 51° at Roche's Point, and 52° at Valencia. Rain fell generally, up to $\frac{1}{2}$ in. at Roche's Point. Littlestone had 5½ hours of bright sunshine, while the great majority of stations had none. A strong S.W. gale was felt along the north of Ireland. As far west as the 25th meridian ships experienced Southerly to Westerly and Southerly winds, moderate or fresh to a gale, with fair to rainy weather.

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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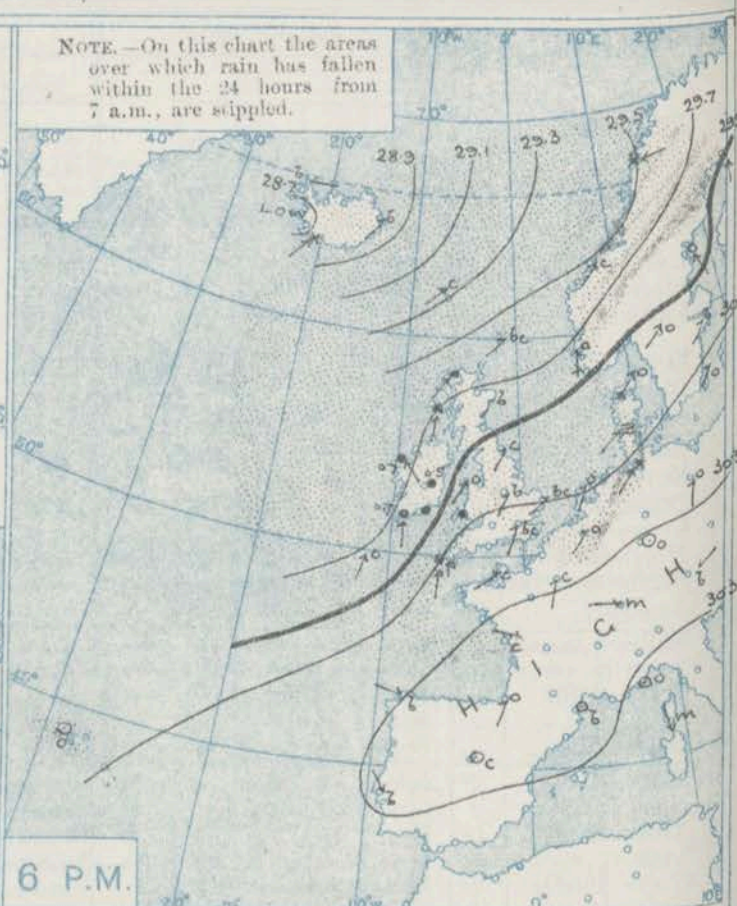
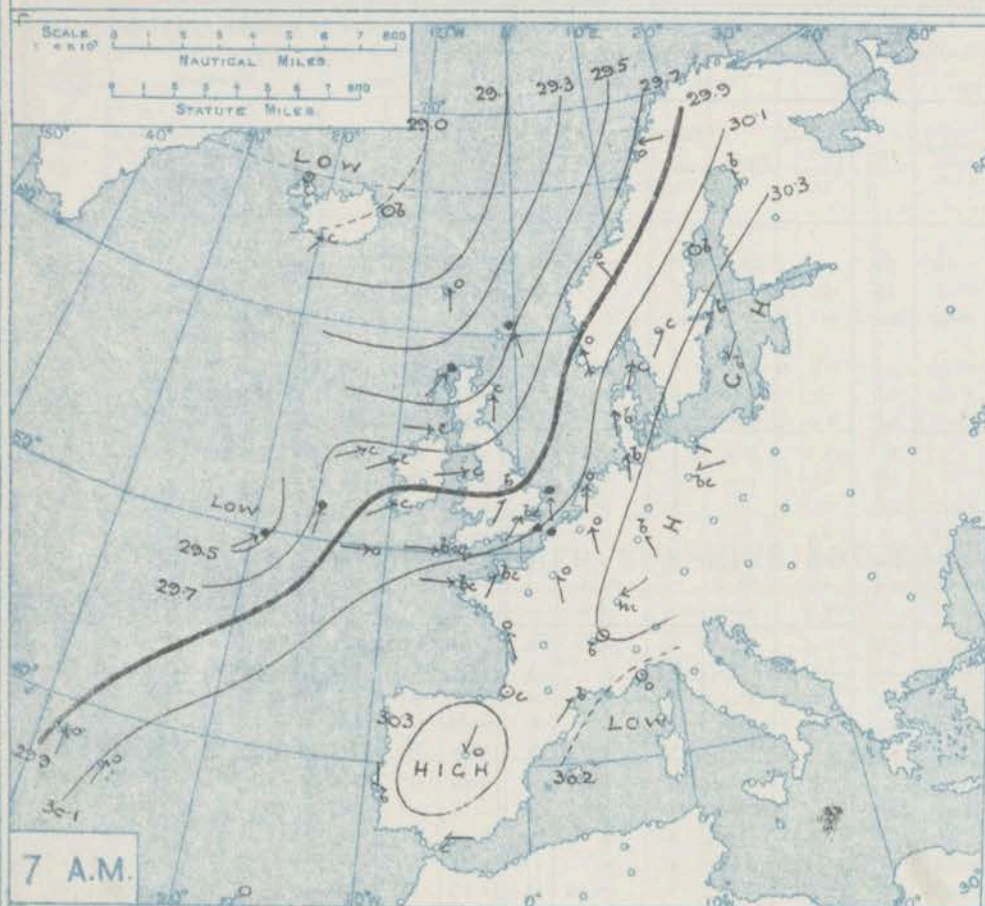
12.25.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Monday,
3rd March 1913.

STATIONS.	YESTERDAY EVENING.						THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shine for Yester- day.				
	Barom.		Temp.		Wind.		Barometer.		Temp.		Wind.		Sea (0 to 9).	Rain- fall.	Temp.		Weather.										
	At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Direc.	Force (0 to 12).	Weather.	At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.	Direc.	Force (0 to 12).	Weather.			Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.								
BRITISH ISLANDS.																											
Lerwick ...	29.59	41	WSW	3	bc	29.34	-0.6	40	-2	WSW	3	r	3	0.19	45	39	smr	bcp	or								
Stornoway ...	29.66	41	SW	5	opq	29.46	+0.3	39	-2	WSW	3	c	3	0.18	46	39	bcpq	bc-qp	or-qp	5.5							
Castlebay (Barra Isd.) ...	29.70	44	SSW	4	ohp	29.52	+0.4	44	+1	W	4	o	4	0.06	46	39	op-bc	c-bchp	lp-qp	5.9							
Malin Head ...	29.78	44	SSW	4	c	29.56	+1.0	43	-2	SW	6	r	6	0.08	48	41	bc	bc	or	*							
Blacksod Point ...	29.61	44	SE	4	r	29.65	+0.2	43	-1	WNW	4	o	3	0.70	52	42	opqm	opqm	smr	*							
Valencia ...	29.70	51	S	6	hm	29.71	0.0	48	+4	NW	6	p	5	0.73	53	42	c-r	smr	smr	2.1							
Roche's Point ...	29.85	48	S	7	r	29.77	*	51	+11	SW	7	r	6	0.36	51	40	b-bc	c-or	rmnd	*							
Birr Castle ...	29.81	45	SSE	3	r	29.62	*	46	+6	NW	3	r	*	0.53	53	39	c	c-or	or	4.2							
Donaghadee ...	29.87	45	SW	3	og	29.60	+0.4	45	+1	S	3	r	3	0.19	50	43	bc	org	or	*							
Liverpool Obsy. ...	30.01	44	SW	4	o	29.70	-0.2	51	+9	SW	6	o	4	0.04	52	42	b	bc	op	7.7							
Holyhead ...	29.97	46	SW	6	o	29.72	-0.2	49	+5	SW	8	o	7	0.11	49	44	bc	bc	org								
Pembroke (St. Ann's Hd.) ...	30.03	46	SSW	5	r	29.85	+0.2	49	+5	SSW	7	ogm	6	0.14	50	43	b-qp	bc	agrg	6.1							
Newquay ...	30.12	48	SE	3	r	30.02	-0.1	50	+5	SW	5	ogm	4	0.03	51	45	bc	bc-o	op-o	6.5							
Scilly (St. Mary's) ...	30.13	50	SSW	4	opm	30.03	-0.1	50	+4	SW	5	cm	6	0.01	52	44	bc	cm	om	5.6							
Jersey (St. Aubin) ...	30.27	49	WSW	2	c	30.23	*	47	+3	SSW	3	o	3	-	53	43	bc-b	bc-c	bc-w	8.2							
Portland Bill ...	30.47	47	WSW	4	c	30.07	-0.3	49	+2	SW	6	o	5	-	49	45	bc	bc	bc-o	*							
Dungeness ...	30.15	46	SW	5	c	30.05	-0.5	47	+6	SW	6	c	5	Trace	49	40	c	c	c	*							
Dover ...	30.21	45	SW	3	b	30.10	*	46	+6	SW	7	o	6	0.04	51	39	r-ac-bc	bc-b	b-bcp	4.9							
Wick ...	29.69	41	SW	4	bc	29.40	-0.4	35	-6	W	1	bc	3	0.09	47	34	ep-bcp	bcp	c-r-bem	*							
Nairn ...	29.70	41	W	1	bc	29.45	*	36	-6	-	0	c	1	0.15	48	34	bc	bc	rg-c	5.4							
Aberdeen ...	29.79	43	SW	2	b	29.38	-0.0	38	-3	NW	4	c	2	0.04	50	38	op-cg	bc-b	b-or-c	3.4							
Leith ...	29.83	46	SW	4	b	29.40	-0.1	49	+4	SW	5	o	*	0.03	53	40	bc-b	c-bc	c-o	*							
North Shields ...	29.94	45	SW	3	cy	29.49	-0.1	51	+13	SW	6	o	3	0.02	51	35	c	cy	c-r	6.7							
Spurn Head ...	30.03	44	WSW	3	c	29.72	-0.8	49	+11	SSW	7	cy	5	0.05	49	37	cy	c-o	or-cg	7.8							
Yarmouth ...	30.07	47	WSW	2	bc	29.92	-0.8	47	+9	SW	4	r	4	0.08	51	36	smr-c	c-bc	b-om	5.3							
Clacton-on-Sea ...	30.11	46	WSW	4	bc	30.00	-0.5	47	+7	SW	5	o	4	-	50	40	o-c-bc	bc	bc-o	4.5							
Nottingham ...	30.06	44	SW	2	b	29.81	*	50	+10	SW	6	o	*	0.02	52	40	bcp	bc-b	bc-sp	7.2							
Bath ...	30.15	46	SW	2	c	30.00	*	52	+9	SSW	7	o	*	-	53	43	-	-	-	7.0							
London (Kew Obsy.) ...	30.16	47	SW	3	bc	30.03	-0.4	49	+7	SW	6	o	*	Trace	51	42	smr-c	ep-bc	bc-cbc	5.7							
ICELAND & FAEROE.																											
Isafjord ...	28.78	31	E	2	b	28.95	-1.1	25	-5	NE	7	S	*	*	*	*	GALES. — Duration and Extreme Force on British Coasts.										
Reykjavik ...	28.66	33	-	0	c	28.85	+0.8	32	+3	SW	1	S	*	*	*	*											
Vestmanna ...	28.77	33	SW	6	S	28.91	+0.5	33	+2	W	4	bc	3	*	*	*											
Seydisfjord ...	28.85	38	WSW	3	b	28.74	-0.0	32	0	W	2	b	*	*	*	*											
Thorshavn ...	29.28	40	WSW	7	c	29.12	-0.3	37	-7	W	6	r	*	*	*	*	Blackod Point, 7 p.m. temp. Extreme S.S.W. 8.										
Haparanda ...	29.90	3	S	4	o	29.43	-1.1	21	+43	SSW	6	o	*	0.04	21	-22											
Hernösand ...	29.82	28	SE	6	o	29.57	-0.5	29	+33	S	2	b	*	-	30	-24											
Stockholm ...	30.07	28	SW	2	b	29.83	-0.4	27	+12	SW	2	o	*	-	28	14											
Wisby ...	30.19	29	SW	2	o	29.93	-0.9	33	+9	WSW	4	o	*	-	34	21	Blackod Point, 7 p.m. temp. Extreme S.S.W. 8.										
Karlstad ...	30.00	31	SW	6	o	29.76	-0.6	32	+6	SW	4	o	*	-	34	25											
Færder (X'ianta Fjord) ...	29.42	33	SSW	6	o	29.70	-0.7	35	+2	SSW	5	f	4	-	35	32											
Bodö ...	29.58	31	E	4	3	29.15	-1.0	37	+13	SSW	6	c	4	0.16	37	16											
Christiansund ...	29.52	43	SW	4	c	29.37	-1.0	41	+3	SW	4	c	3	0.24	43	37											
Skudesnaes ..	29.74	38	S	8	o	29.55	-0.7	39	+2	S	6	o	5	0.28	39	34											
The Scaw (Skagen) ...	29.98	35	SW	8	o	29.79	-0.3	38	+5	SW	2	f	0	-	38	32											
Blaavands Huk ...	29.99	36	SW	5	f	29.91	-0.5	38	+5	SSW	3	m	2	Trace	38	32											
Cuxhaven ...	30.12	34	SW	4	S	30.06	-0.2	35	+9	SSW	4	m	*	0.08	39	26											
The Helder ...	30.10	41	SSW	3	o	29.99	-0.8	41	+9	S	7	r	3	Trace	43	32											
Brussels ...	30.24	40	SW	2	b	30.20	-0.3	40	+9	SW	4	o	*	-	43	31											
Berlin ...	30.27	34	S	3	o	30.20	-0.1	35	+12	SW	2	o	*	-	39	23											
Frankfurt ...	30.31	37	-	0	o	30.36	+0.1	34	+8	SW	1	f	*	-	45	26											
Munich ...	30.37	28	NE	2	b	30.45	+0.2	34	+14	SW	3	b	*	-	34	19											
GERMANY, &c.																											
C. Gris Nez ...	30.18	45	WSW	5	b	30.14	-0.4	45	+9	SSW	6	c	4	0.04	46	23											
La Hève ...	30.28	38	WSW	4	c	30.26	*	43	+6	SW	4	o	3	-	50	27											
Brest (St. Mathieu) ...	30.29	49	SW	3	o	30.26	-0.1	49	+2	SSW	4	c	4	-	54	46											
Lorient (Bec Melon) ...	30.32	49	SW	3	c	30.24	*	48	0	SW	3	c	3	-	55	45											
Rochefort (Ile d' Aix) ...	30.37	48	WNW	2	c	30.38	*	41	0	SSW	3	b	*	0.04	55	39											
Biarritz ...																											
FRANCE.																											
Paris ...	30.30	44	SSW	3	b	30.34	+0.1	36	+6	SSW	3	f	*	-	50	30											
Belfort ...	30.36	36	W	5	m	30.45	*	35	+8	W	2	m	*	-	46	27											
Lyons ...	30.40	39	-	0	bc	30.47	*	33	+4	-	0	b	*	-	46	29											
Nice ...	30.29	42	-	0	o	30.41	+0.4	42	+1	-	0	o	3	-	50	41											
Perpignan ...	30.34	52	-	0	b	30.41	+0.4	38	+4	SW	1	b	*	-	62	34											
Sanguinaire ...	30.26	51	NNW	4	m	30.39	*	49	*	E	1	m	2	-	57	45											
SPAIN, PORTUGAL, &c.																											
Corunna (8 a.m.) ...	30.30	53	WNW	2	b	30.39	0.0	43	*	NW	1	f	2	-	55	39											
Lisbon (9 a.m.) ...	30.31	55	NW	4	b	30.37	+0.5	47	-3	NNE	4	b	6	-	61	46											
Gibraltar ...	30.30	55	E	3	b	30.34	*	55	+6	E	4	bc	1	-	60	44											
Azores (P. Delgada) ...	30.06	58	SSW	4	b	30.17	+0.6	58	+1	SSE	3	bc	4	-	61	57											
Azores (Horta) ...	30.00	55	-	0	o	30.15	+0.7	53	-6	NW	2	b	2	0.08	61	52											
Madeira (Funchal) ...																											

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 2nd MARCH.



NOTE.—On this chart the areas over which rain has fallen within the 24 hours from 7 a.m., are stippled.

GENERAL INFERENCE

The "V" shaped depression over our western and northern districts will move eastward. Fine squalls will be experienced today in many parts of the United Kingdom, but in the rear of

WEATHER PROSPECTS.

these the weather will improve and become temporarily colder.

FORECASTS FOR THE 24 HOURS NOON MONDAY

TO NOON TUESDAY.

0 {
a
b
1 } Westerly to North-Westerly winds, moderate or fresh; changeable; some showers, hail or sleet locally; then fair; cold.

2 {
a
b } Strong South-Westerly winds.

3 } shifting later to the North-Westward.

4 {
a
b } mild, squally and showery today.

5 } finer and cooler to-morrow.

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

NO WARNINGS ISSUED.

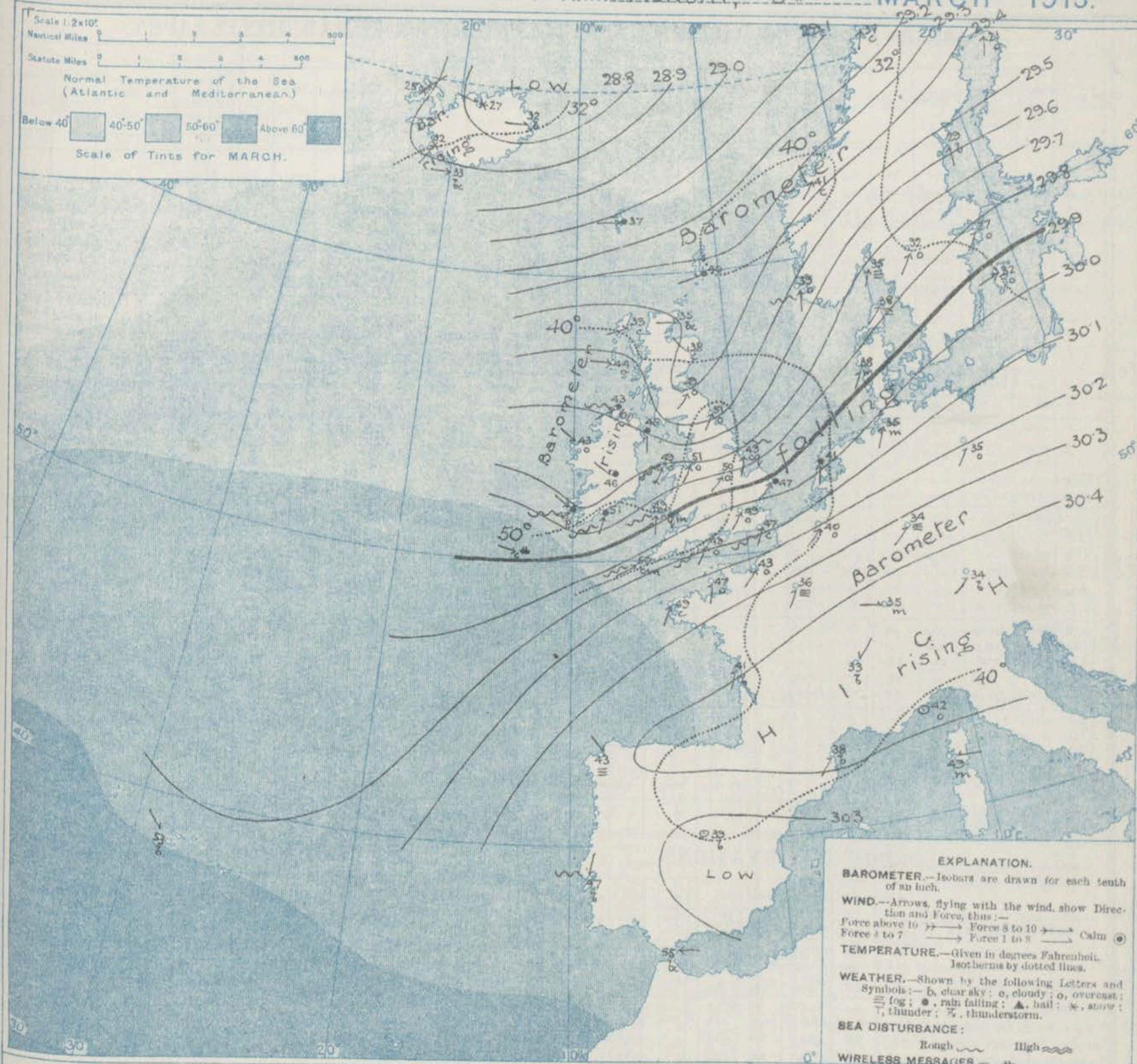
6 {
a
b } Same as nos. 0 and 1.
7 {
a
b } Strong winds, shifting to the North-Westward; squally and showery at first, then fair; becoming cooler.
8 {
a
b }
9 {
a
b } Fresh or strong North-Westerly winds, moderating and backing later, showery at first, then fair; becoming cooler.
10 {
a
b }

11 WESTERN CHANNEL AND BAY. Strong South-Westerly to North-Westerly winds, and a rough sea; squally and showery at first, then fair; becoming cooler.

THE FURTHER OUTLOOK. (All Districts.)

Changeable weather is likely to continue.

SYNOPTIC CHART FOR 7 A.M. MONDAY, 3RD MARCH 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The central portion of a rather deep depression is moving eastward across Iceland, and a well marked "V" shaped secondary disturbance is advancing in a similar direction across our own western and northern districts. The highest pressures are reported over the southern parts of France and Germany.

The wind is strong from the south-westward over England and the western portions of the Continent, but is westerly over and to the northward of Scotland, and North-Westerly over western and central Ireland. Temperature has fallen somewhat in Scotland and the

north of Ireland, but risen elsewhere. At some of the English and Irish stations the thermometer is slightly above 50°, but in the north of Scotland it is below 40°. Frost prevails in Sweden and in Iceland, the lowest readings reported being 21° at Skaparsa, and 25° at Isafjord. The weather is fine, locally, in the west and south of France. Elsewhere the sky is cloudy or overcast, with rain in Iceland, as well as in the east of England and in Holland. Snow is falling at several of the Icelandic stations. The sea is rough on all our western and southern coasts.

DAILY WEATHER REPORT.

Monday, 3rd March 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
3rd. 7 a.m.	50	12	California	O	29.84	+1.9	WNW	4-5	c										
2nd. 6 p.m.	49	12	Lake Michigan	O	29.81	+0.2	SW	6-7	c	2nd. 7 a.m.	51	16	Victorian	O	29.74	-0.7	SSW	4-5	c
"	56	8	Canada	H	29.66	-0.6	SSW	6-7	c	"	54	16	Canada	H	29.72	+0.2	WSW	4-5	c
" 7 a.m.	49	19	Ascania	O	29.50	-1.8	SW	6-7	c	"	49	11	Lake Michigan	O	30.00	+0.5	W	6-7	bc

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun-shine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun-shine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.		In.					Hr.	England, S.E.		In.					Hr.
Oban		...	...	...	...	...	...	Margate		...	51	38	bc	bc, bc	4.5
Stonehaven		...	...	...	...	...	...	Ramsgate		...	52	38	*	*	5.4
St. Andrews		...	...	...	...	...	...	Deal		0.02	52	37	cp, bc	c, bc	5.3
Carnoustie		...	...	...	...	...	...	Folkestone		0.05	51	38	b, r, bc	b	6.7
England, N.E.		...	...	...	...	...	...	Littlestone		...	...	...	...	...	6.0
Harrogate		0.10	47	32	b, bc, c	c, bc	5.8	Hastings		0.07	51	39	op, bc, b	bc, bc	6.1
Scarborough		"	50	35	bc	bc	7.5	Bexhill-on-Sea		0.06	51	39	c, bc, b	b, bc, bc	6.0
Blackpool		0.07	48	37	c	c, bc	6.6	Eastbourne		0.06	49	39	bc	b	...
Southport		0.12	49	37	b, o, bc	bc, o	6.4	Seaford		...	...	...	...	...	7.4
Buxton		0.25	46	32	bc, r	bc	5.2	Brighton		0.07	49	39	or, o, bc	bc, bc	7.6
Matlock		...	...	...	...	...	...	Worthing		0.15	50	39	bc	bc	7.4
Douglas		...	...	...	...	...	...	Littlehampton		...	...	...	...	...	...
Wales.		...	...	...	...	...	...	Bognor		...	...	...	...	...	5.5
Rhyll		...	50	39	bc	bc	7.6	Southsea		0.12	54	40	bc, bc	bc, bc	6.0
Colwyn Bay		0.11	50	41	bc	b, bc	4.2	Bournemouth		0.16	52	41	b	bc	7.6
Llandudno		0.01	49	39	b	b	7.7	Weymouth		0.11	53	42	b	b, bc	6.4
Bettws-y-Coed		...	...	...	...	...	...	Teignmouth		0.17	54	41	b	b, bc	7.6
Aberystwyth		0.07	48	43	b	bc, c	6.6	Torquay		0.17	51	42	bc	bc	7.7
England, S.W.		...	...	...	...	...	...	Paignton		0.20	55	41	b	bc	5.8
Lowestoft		...	...	...	...	...	...	Ilfracombe		0.48	60	42	bc, bc	bc	6.6
Felixstowe		0.03	51	37	bc, bc	bc	5.6	Weston-super-Mare		0.20	49	39	b	b	...
Walton-on-Naze		...	50	35	b	b	5.2			...	...	...	...	...	...
Southend-on-Sea		0.03	51	36	b	b	5.5			...	...	...	...	...	...

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain-fall.	WEATHER.			Sun-shine for Yesterday.	STATIONS.	Rain-fall.	TEMPERATURE.			WEATHER.			
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.		Min. on Grass.		Fore-noon.	After-noon.	Night.				In Screen.	Night Min. on Grass.	Night.	Fore-noon.	After-noon.		
			Max.	Min.														Max.	Min.
24 HOURS ENDED 9 A.M. TO-DAY.																			
Greenwich (Royal Obsy.) ...	63	81	52	43	33	-	bc, c	bc, c	c, o	5.5	Dublin to 4 p.m.	0.01	50	42	39	b, bc	b	c, o	
City (Bunhill Row) ...	"	"	"	"	"	"	"	"	"	3.5	Plymouth to 9 p.m.	"	"	"	"	"	"	"	
Westminster (St. James's Pk.)	69	93	53	45	36	-	bc	bc	bc	4.5	Darwen "	"	"	"	"	"	"	"	
Camden Sq. (Brit. Rainfall)	"	86	53	44	36	-	o, bc	bc, b	bc, o	4.4	Manchester "	"	"	"	"	"	"	"	
Hampstead (Reservoir) ...	"	86	52	42	37	-	bc	bc	o	4.2	Birmingham "	0.15	51	35	30	b	r, o	o, c	
Kew. (See front page.)	"	"	"	"	"	"	"	"	"	"	Oxford to 8 p.m.	-	52	38	36	o, or, o	c	c	
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.											S. Kensington (Museum Grounds to 6 p.m.) 0.03								
			Total.		Average Rate.		Max. Rate.												
S. Kensington (Roof of M.O.)			57.4 Joules.		14.7 Milliwatts.		42.5 Milliwatts.			4.4									

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

3rd & 4th March 1913.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	6.38	12.5	5.32
	6.36	12.5	5.34
Greenwich	6.44	12.12	5.48
	6.42	12.12	5.42
Wick	7.5	12.24	5.43
	7.3	12.24	5.45
Valencia	7.26	12.53	6.20
	7.24	12.53	6.22

During yesterday the thermometer rose to 50° and upwards over a large portion of the United Kingdom, and reached 55° at Paignton. The amount of bright sunshine was considerable. Rain was experienced in nearly all districts, and hail showers occurred in the Hebrides. Reports show that as far west as the 19th meridian ships experienced fresh to strong winds from the South-Westward, and unsettled weather, with rain in places.

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; i, 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.

12.25.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Tuesday,
14th March, 1913.

STATIONS.	YESTERDAY EVENING.						THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shine for Yester- day.	
	BAROM.			TEMP.			Weather.	BAROMETER.			TEMP.			WIND.			Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.			
	At 32° Fabr. and M.S.L. Lat. 45°	Dry Bulb.	Force (0 to 12).	At 32° Fabr. and M.S.L. Lat. 45°	Change since 4 a.m.	Dry Bulb.		Change since Yester- day.	Direc.	Force (0 to 12).	Weather.	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night, 6 p.m. to 7 a.m.								
	At 32° Fabr. and M.S.L. Lat. 45°	Dry Bulb.	Direc.	Force (0 to 12).	At 32° Fabr. and M.S.L. Lat. 45°	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.	Direc.	Force (0 to 12).	Weather.	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night, 6 p.m. to 7 a.m.								
Lerwick	29.35	42	WSW	5	c	29.25	-10	40	0	SE	5	o	6	0.13	45	38	bp	cq	cq					
Stornoway	29.58	40	SW	4	bcpq	29.15	-16	45	+6	SW	7	r	6	0.32	45	36	bcpq	cq	bcqp	4.0				
Castlebay (Barra Isd.)	29.67	43	WSW	4	bc	29.24	-13	46	+2	SW	6	r	6	0.09	47	41	ac-bp	o-bc	bc-qp	4.1				
Malin Head	29.77	42	W	6	cqhp	29.30	-20	45	+2	SW	8	cqhp	7	0.05	46	41	cq	cqhp	cqhp					
Blacksod Point	29.85	45	W	5	o	29.42	-08	50	+7	S	8	o	5	0.07	50	43	om	om	omqp					
Valencia	30.01	47	SW	3	cu	29.67	-07	51	+3	S	6	o	5	0.07	52	43	cwp	bcv	om	3.3				
Roche's Point	30.01	47	N	3	bc	29.80		50	-1	SW	4	r	4	0.14	51	44	d.c	bc	bod					
Birr Castle	29.95	45	WSW	2	c	29.63		49	+3	S	4	c	*	0.20	49	44	or.c	cp	c	3.5				
Donaghadee	29.85	44	W	3	bc	29.62	-10	44	-1	SSW	4	oq	3	0.11	49	39	or.bc	bcpm	cq.o					
Liverpool Obsy.	29.88	43	W	4	b	29.80	-06	44	-7	SSW	3	o	4	0.27	53	40	oq	acp	o	0.1				
Holyhead	29.91	45	W	4	c	29.76	-06	45	-4	WSW	7	o	6	0.20	50	42	orq	bc	ogm					
Pembroke (St. Ann's Hd.)	29.98	45	NW	3	bc	29.89	-04	47	-2	SW	6	oqpm	6	0.05	50	44	oqpm	oqpm	bc	0.7				
Newquay	30.05	48	NW	4	c	30.02	00	50	0	SW	5	cdm	4	0.06	52	39	op	or.c	bc-om	0.0				
Scilly (St. Mary's)	30.06	48	WNW	4	cm	30.02	00	50	0	WSW	3	cm	6	0.02	53	44	cqm	rf	adm	0.2				
Jersey (St. Aubin)	30.18	52	SW	3	og	30.20		50	+3	SW	3	og	3	0.03	56	46	og	c-og	ogpm	1.3				
Portland Bill	29.99	48	SW	7	r	30.05	-01	48	-1	WSW	5	o	5	0.05	51	45	c	c-or	orbc					
Dungeness	30.00	47	SW	6	c	30.06	00	47	0	WSW	5	od	4	0.06	49	42	c.o	o.c	cdcd					
Dover	30.04	48	SSW	6	o	30.10		46	0	SW	4	r	3	0.04	48	40	oq	oq	op.ed	0.0				
Wick	29.52	39	W	4	bc	29.24	-13	42	+7	SW	6	o	5	Trace	47	34	bc	c.bc	cogned					
Nairn	29.60	40	W	3	c	29.32		42	+6	WSW	4	c	3	0.01	45	34	pbq	pg.c	dgc	6.6				
Aberdeen	29.64	42	WSW	3	b	29.41	-11	42	+4	SSW	5	o	2		49	38	qf.bc	bc	b.oq	3.1				
Leith	29.74	43	W	3	b	29.50	-10	45	-4	SW	5	rq	*	Trace	49	40	o-bc	cupbc	b					
North Shields	29.77	44	SW	3	cq	29.70	-06	45	-6	SW	4	o	2	0.02	51	38	to	r.c	c	0.9				
Spurn Head	29.83	43	NW	4	bc	29.57	-02	41	-8	SSW	4	c	4	0.11	52	37	cq	cq.or	cq.ome	0.7				
Yarmouth	29.95	51	WSW	4	r	30.00	00	40	-7	SSW	2	c	3	0.23	55	39	ond.o	omd	omc	0.5				
Clacton-on-Sea	29.93	49	SW	5	o	30.04	-01	41	-6	SSW	3	c	2	0.06	50	40	og	og.cog	ogp.r	0.0				
Nottingham	29.89	45	WNW	3	o	29.90		41	-9	SW	4	o	*	0.16	53	38	op	stm	o.c.b	0.2				
Bath	29.97	52	W	6	r	30.02		48	-4	SW	3	o	*	0.09	55	37	o	or	-	0.0				
London (Kew Obsy.)	29.95	51	SW	5	or	30.04	-01	43	-6	SW	3	om	*	0.02	53	39	o	o-or	or.c-o	0.0				
Isafjord	29.13	24	N	5	o	28.54		21	-4	N	9	S	*											
Reykjavik	28.99	33	-	0	b	27.84	-28	30	-2	E	9	o	*											
Vestmanna	29.03	34	SW	2	bc	27.87		32	-1	E	9	S	4											
Seydisfjord	29.04	32	NE	3	bc	28.75	-21	23	-9	NNE	5	S	*											
Thorshavn	29.15	40	W	6	c	28.80	-24	41	+4	S	5	r	*											
Haparanda	29.17	28	SW	4	o	28.94	-05	24	+3	S	6	S	*	0.12	28	21								
Hernösand	29.17	33	SE	3	S	29.14	+08	30	+1	S	2	b	*	0.16	37	26								
Stockholm	29.20	34	S	2	r	29.53	+09	33	+6	WNW	4	b	*	0.12	36	27								
Wisby	29.38	37	WSW	6	r	29.67	+00	36	+3	WSW	4	b	*	0.16	39	32								
Karlstad	29.18	37	SW	4	o	29.43	+06	35	+3	-	0	bc	*	0.08	37	30								
Færder (X'ania Fjord)	29.25	36	W	5	b	29.47	+05	37	+2	SW	6	c	4	0.16	37	34								
Bodö	28.95	35	-	0	o	28.69	-01	33	-4	S	6	m	2	?	37	32								
Christiansund	29.12	39	SW	5	o	29.24	+04	39	-2	W	3	m	5	0.08	43	36								
Skudesnaes	29.43	40	WSW	4	r	29.53	+01	40	+1	SW	6	o	5	0.32	41	36								
The Scaw (Skagen)	29.37	39	W	8	bc	29.60	+04	40	+2	WSW	7	o	2	0.16	43	36								
Blaavands Huk	29.62	39	W	4	m	29.83	+03	38	0	WSW	3	m	2	0.16	41	36								
Cuxhaven	29.75	45	SW	7	o	29.98	+06	37	+2	WSW	4	om	*	0.28	45	35								
The Helder	29.84	45	SSW	7	o	30.03	+02	41	0	SW	4	c	2	0.12	45	41								
Brussels	30.10	49	SW	6	r	30.15	+03	46	+6	SW	3	o	*	0.04	51	40								
Berlin	29.97	44	SW	5	o	29.98	+09	43	+8	W	5	o	*	0.12	52	35								
Frankfurt	30.21	47	SW	4	r	30.19	-05	45	+11	SW	3	o	*	0.08	50	34								
Munich	30.33	41	W	3	c	30.36	+01	37	+3	SW	4	r	*	0.08	45	34								
C. Gris Nez	29.65	47	WSW	6	c	30.11	+01	46	+1	SSW	5	f	4	0.12	48	36								
La Hève	30.15	46	SW	5	o	30.17		46	+3	SW	4	f	4		50	43								
Brest (St. Mathieu)	30.24	50	SW	4	bc	30.25	00	50	+1	SW	4	o	5		54	46								
Lorient (Bec Melen)	30.21	50	W	4	b	30.24		50	+2	W	4	o	3		55	46								
Rochefort (Ile d'Aix)	30.36	47	SSW	3	b	30.34		47	+6	SSW	3	c	*		54	39								
Biarritz	30.38	54	SE	1	b	30.43		51	+8	SE	2	o	2		61	48								
Paris	30.25	50	SW	3	o	30.28	+02	46	+10	SSW	2	o	*		53	36								
Belfort	30.33	44	WSW	3	m	30.39		41	+6	W	4	c	*		52	35								
Lyons	30.38	44	-	0	b	30.46		39	+6	N	1	o	*		51	33								
Nice	30.41	42	-	0	o	30.39	+01	41	-1	-	0	o	2		46	39								
Perpignan	30.39	49	-	0	b	30.40	+02	48	+10	SW	1	b	*		60	36								
Sanguinaire	30.41	51	SW	2	m	30.38		50	+1	E	1	m	2		57	45								
Corunna (8 a.m.)	30.43	52	W	3	o	30.37	00	46	+3	SSW	3	bc												

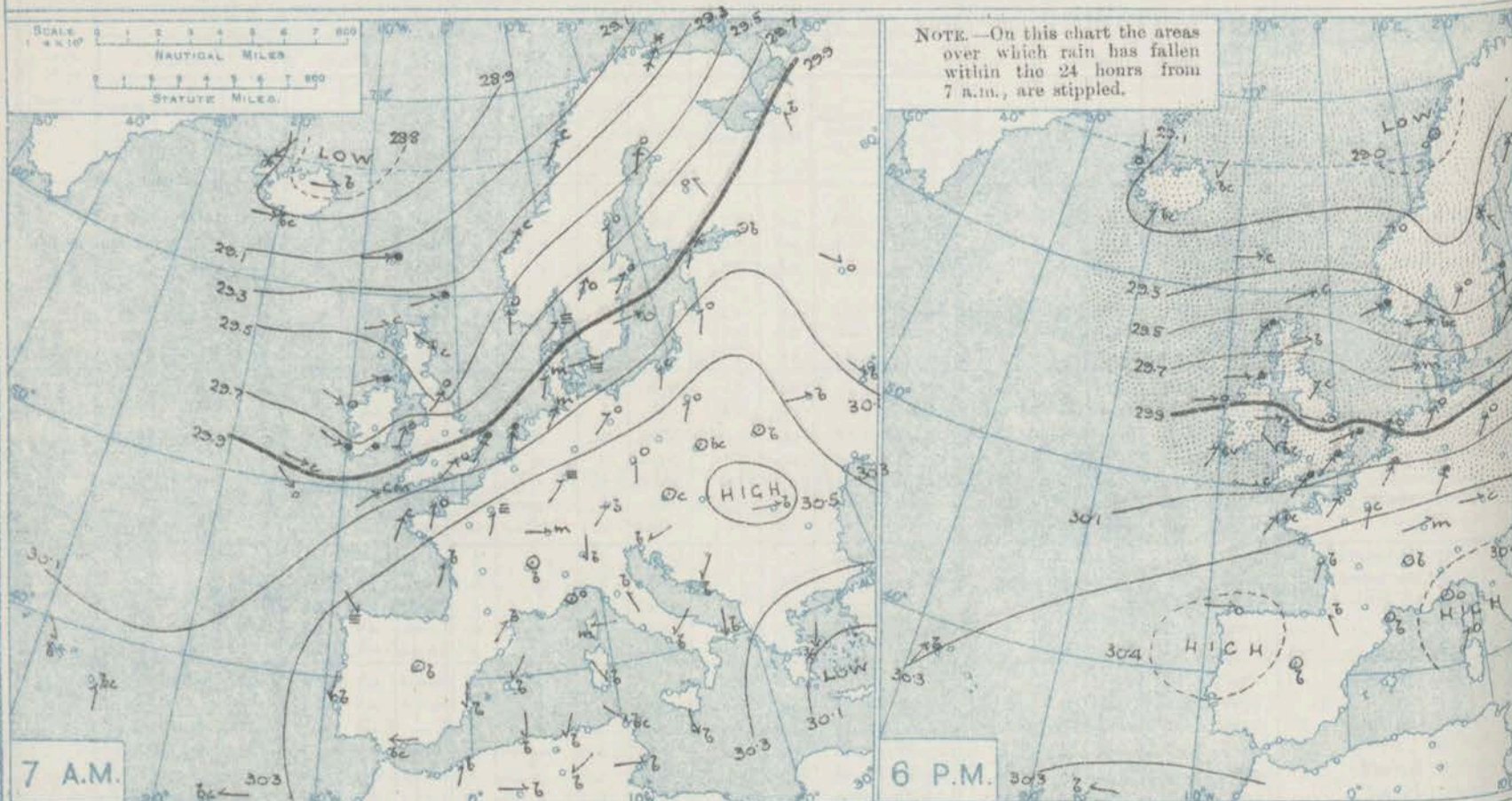
GALES.

Duration and Extreme Force
on British Coasts.Malin Head 3 a.m. - 7 a.m.
Extreme S.W. 10Blacksod Point 1 a.m. - 7 a.m.
Extreme S. 8Liverpool 9 a.m. - 11 a.m.
Extreme W.S.W. 8Kew
43 m.p.h. at 11.15 a.m.

* Information for these columns not usually received.

† Received too late for insertion in Charts.

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 3RD MARCH



GENERAL INFERENCE

WEATHER PROSPECTS.

The deep depression off the south west of Iceland will probably travel away in a north-easterly direction. The secondary disturbance which is approaching our own western coasts will occasion

a considerable increase in the strength of the South-Westerly wind over the whole of the United Kingdom, with gales in the west and north. Squally showery weather will prevail generally.

FORECASTS FOR THE 24 HOURS NOON TUESDAY

TO NOON WEDNESDAY.

0 {
a } Southerly to South-Westerly
b } or Westerly winds, increasing to
1 { a gale; squally and rainy at
first, improving later; moderate
2 {
a } temperature.
b }

3 {
a } South-Westerly winds,
b } increasing in force; squally,
4 {
a } showery; becoming temporarily
b } milder.
5 {

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone	South Cone
North Cone	North Cone

SOUTH CONE HOISTED in Districts 0, 1, 2 and 6-10, at 8.40 a.m. today.

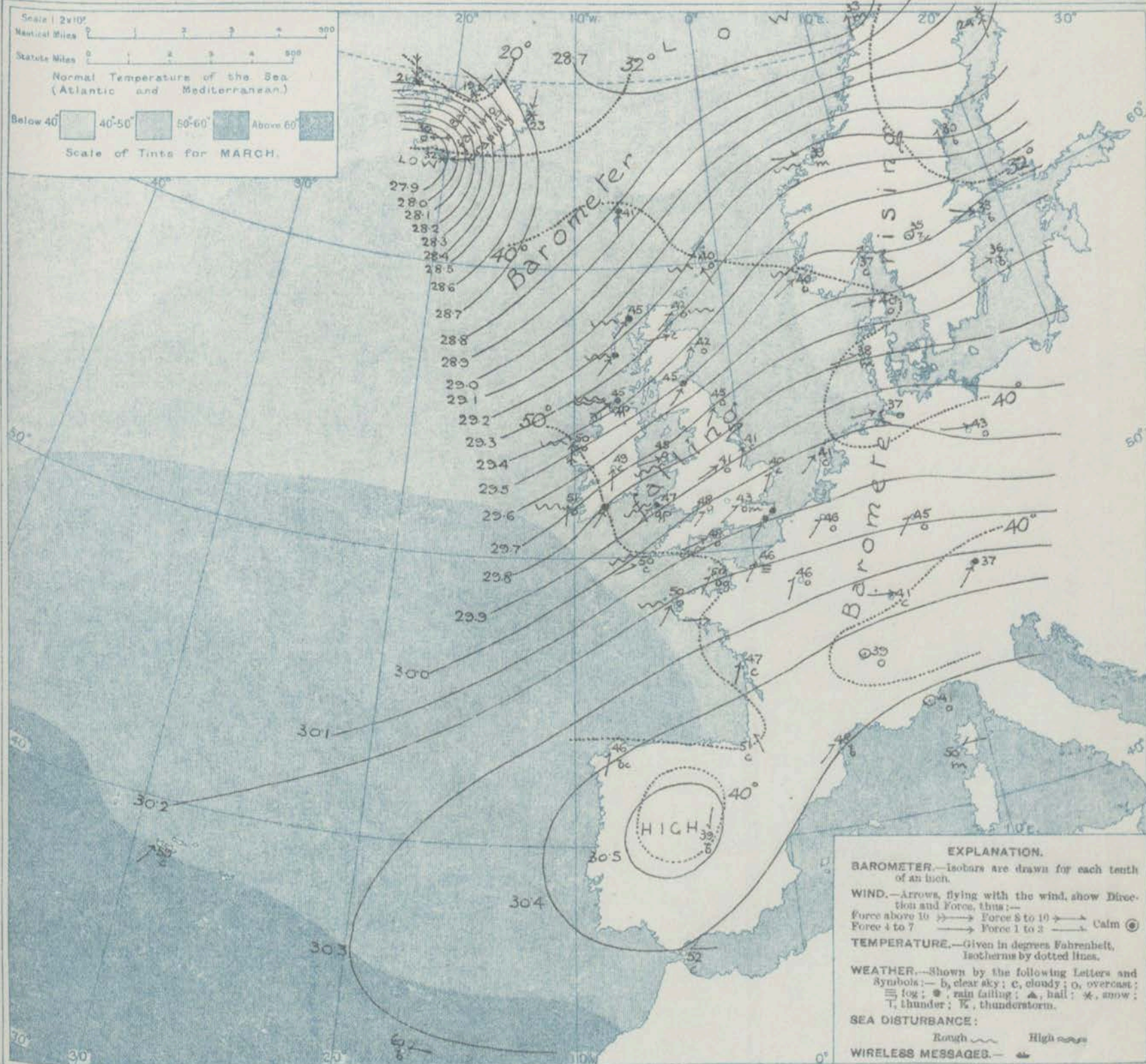
6 {
a } Southerly and South-
b }
7 {
a } Westerly to Westerly gales and
b }
8 {
a } strong winds; squally and
b }
9 {
a } raining at first, improving
b }
10 {
a } later; continuing mild.
b }

11 WESTERN CHANNEL AND BAY.

Increasing South-Westerly winds, with squally, showery weather and a rough sea; continuing mild.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. TUESDAY, 4TH MARCH 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The centre of a very deep depression, with minimum readings below 27.9 in., has appeared off the south-west of Ireland, and here are some indications of the approach of a secondary disturbance towards our own western coasts.

The wind is South-Westerly over Western Europe generally, and has increased to the force of a gale on the north-west coast of Ireland. Strong gales from between North and East are blowing in Iceland. Temperature has fallen over England, but risen in nearly all other countries. Over the United Kingdom the

morning readings range from 50° or a trifle above it on our extreme west and south-west coasts to 41° at Nottingham and Clacton-on-Sea, and to 40° at Great Yarmouth. The weather is cloudy or overcast generally, with rain at many of our own western and northern stations, and snow in Iceland. In Sweden the weather is fine. The sea is rough on our western and extreme northern coasts.

DAILY WEATHER REPORT.

Tuesday, 26th March 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
3rd Jan. 49	14		Lake Michigan	0	29.86	+0.9	NW	6-7	0										

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.	(Oban	In. 0.91	46	39	c,r	bc	1.6	England, S.E.	(Margate	In. -	52	41	cq	cq	0.0
	Stonehaven	-	-	-	-	-	54		46	bc	bc	0.0			
	St. Andrews	0.20	50	39	o	c, bc	3.8		Deal	-	50	41	om, c	og	0.0
	Carnoustie	-	-	-	-	-	-		48	42	b, o	o	0.0		
England, N.E.	Harrogate	0.34	51	37	c, of, q	of, c	0.1	Littlestone	-	-	-	-	-	0.0	
	Scarborough	-	54	40	o	c, bc	0.4	Hastings	-	49	44	bc	o	0.0	
England, N.W.	(Blackpool	0.50	50	41	om, y	of, c	0.0	England, S.W.	(Bexhill-on-Sea	-	50	47	og	og	0.0
	Southport	0.44	50	41	or, g	or, bc	0.0		Eastbourne	-	51	45	og	og	0.0
	Buxton	-	-	-	-	-	-		48	45	o	or	0.0		
	Matlock	0.34	49	39	c, r	c, r	0.0		Brighton	-	49	45	o	o	0.0
Wales.	Douglas	-	-	-	-	-	-	49	44	og	o	-	-	-	
	(Rhyl	0.48	51	43	c	c, o	0.0	Worthing	-	-	-	-	-	-	
	Colwyn Bay	0.32	53	44	r	bc, b	3.4	Littlehampton	-	-	-	-	-	-	
	Llandudno	0.38	53	37	or	bc, b	0.0	Bognor	-	-	-	-	-	-	
	Bettws-y-Coed	-	-	-	-	-	-	Southsea	0.01	52	45	o	or	0.0	
England, E.	Aberystwyth	0.25	49	43	r, o, c	or, c	0.2	Bournemouth	0.03	51	46	o	o	0.1	
	Lowestoft	0.02	55	40	o, c, o	or	0.4	Weymouth	0.02	53	46	og	or	0.1	
	Felixstowe	-	53	41	om, g	om, g	0.6	Teignmouth	0.01	53	47	o	or	0.2	
	Walton-on-Naze	-	52	46	o	og	0.0	Torquay	0.02	53	47	or	or	0.4	
	Southend-on-Sea	-	51	42	og	og	0.3	Paignton	0.04	54	40	o	r	0.0	
								Ilfracombe	0.04	52	46	oe	og, d, c	0.0	
								Weston-super-Mare	0.05	53	41	c	cp, c	-	

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

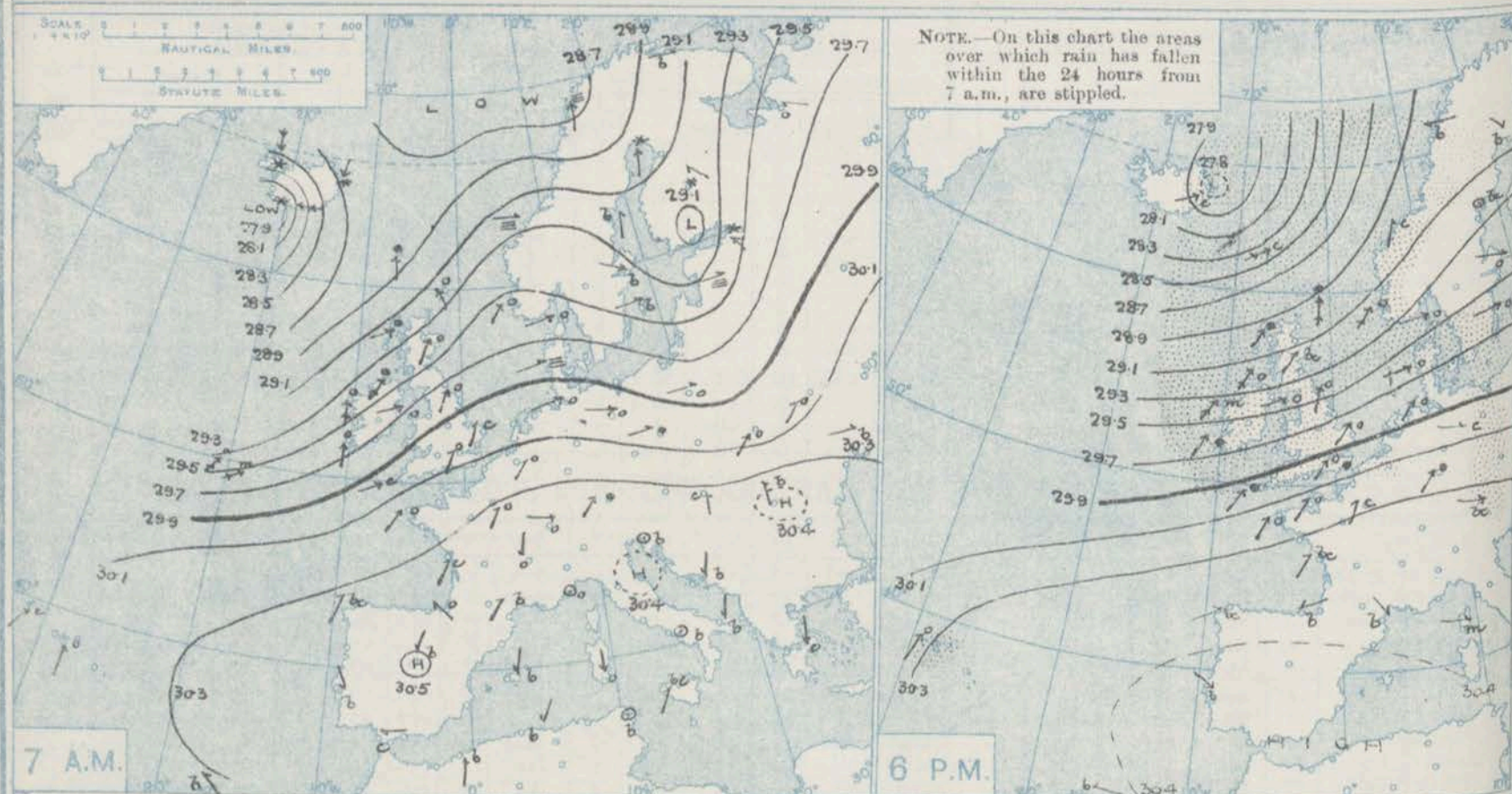
Wednesday,
5th March, 1913.

STATIONS		YESTERDAY-EVENING					THIS MORNING, 7 A.M. G.M.T.										PAST 24 HOURS.					Shd- for Yester- day.	
		BAROM.		TEMP.		WIND.	Force (0 to 12).	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.			
		At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Dirac.	Force (0 to 12).				At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						Dirac.	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.		Aftern'n. 1 p.m. to 6 p.m.	Night, 6 p.m. to 7 a.m.
In.		In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	Hours	
Lerwick		28.81	47	SSE	8	r		28.89	+0.2	41	+1	SEW	10	aq	8	0.48	48	36	or	org	chplq	*	
Stornoway		28.92	44	SW	7	clq		29.18	+0.9	38	-7	SW	8	aq	7	0.48	50	30	org	or cap	cpthq	0.0	
Castlebay (Barra Isd.)		29.05	45	WSW	8	op		29.42	+1.1	41	-5	W	9	og	7	0.03	49	35	r	r op	pohp	0.0	
Malin Head		29.18	47	SW	10	o		29.59	+1.5	40	-5	W	8	chq	8	0.04	51	35	ogpm	ogp	cpht	*	
Blacksod Point		29.34	49	SW	9	m		29.72	+0.3	44	-6	WNW	7	c	4	0.28	53	37	ogpm	ogpm	ogpm	*	
Valencia		29.62	50	SW	6	mp		29.93	+0.2	44	-7	S	3	o	6	0.05	53	41	om	opm	ogm	0.0	
Roche's Point		29.66	51	SW	7	r		29.98		43	-7	WSW	3	c	4	0.06	52	42	to c	c od	o b apc	*	
Birr Castle		29.52	50	W	6	r		29.87		36	-13	S	2	bc		0.11	55	35	c	or	c bc	0.0	
Donaghadee		29.38	51	SSW	4	rq		29.77	+1.1	38	-6	SW	4	bc	2	0.06	56	37	ogm	ogm	og bcq	*	
Liverpool Obsy.		29.61	52	SW	6	o		29.90	+0.8	43	-1	WSW	5	b	5		54	43	bcq	og	bcq	0.5	
Holyhead		29.60	50	WSW	7	o		29.91	+0.5	44	-1	W	6	c	5	0.02	50	43	ogm	ogm	bc		
Pembroke (St. Ann's Hd.)		29.76	49	SSW	7	o		30.03	+0.7	46	-1	W	5	b		0.04	50	46	ogdm	ogdm	ogdm	0.2	
Newquay		29.92	51	SW	5	om		30.12	+0.8	47	-3	SW	2	bm	4	0.03	52	47	om	opdm	opdm	0.0	
Scilly (St. Mary's)		29.92	51	SW	6	cmp		30.11	+0.5	48	-2	W	4	bm	5	0.02	53	47	cpm	cpm	adm	0.5	
Jersey (St. Aubin)		30.17	52	SW	3	og		30.21		50	0	WSW	3	ogme	3	0.03	56	48	og bc	bc og	ogpm	3.5	
Portland Bill		29.99	49	SW	7	r		30.10	+0.6	48	0	WSW	5	c	5	0.10	50	47	c	or	or c	*	
Dungeness		30.00	49	SW	6	r		30.06	+0.5	47	0	WSW	5	o	5	0.04	49	46	ob cp	c od	or qd	*	
Dover		30.05	41	SW	5	r		30.11		47	+1	SW	4	m	6	0.03	49	46	c do	od	or dm	0.0	
Wick		29.95	46	WSW	6	c		29.17	+0.6	35	-7	WSW	7	aq	5	0.08	49	33	ombq	bc cap	cpst	*	
Nairn		29.04	45	WSW	4	r		29.30		35	-7	WSW	4	o	3	0.13	53	33	qbc	qrc	rhq	2.9	
Aberdeen		29.09	52	SW	6	bc		29.45	+0.8	37	-5	SW	5	bcsp	2	0.03	53	36	og	c bcq	bcqsp	0.7	
Leith		29.27	52	SSW	6	o		29.56	+1.1	40	-5	SW	5	cpq		0.26	54	37	opq	o	orq	*	
North Shields		29.47	51	SSW	5	o		29.63	+1.0	43	-2	SW	3	bc	2	0.01	53	40	o	o	or	0.2	
Spurn Head		29.65	52	SW	7	c		29.88	+1.0	45	+4	W	6	aq	5	Trace	54	40	aq	aq	cap	0.0	
Yarmouth		29.83	53	SW	4	o		29.96	+1.5	48	+8	WSW	2	bc	2		55	39	c o	o	bc	0.1	
Clacton-on-Sea		29.94	48	SW	5	o		30.02	+0.7	47	+6	SW	3	bc	2		51	41	c o	o	oc bc	0.0	
Nottingham		29.73	53	SW	7	o		29.93		44	+3	WSW	4	b		0.02	56	40	o	c o	oc	0.4	
Bath		29.92	53	SW	5	o		30.09		48	0	W	5	c		0.07	55	47				0.0	
London (Kew Obsy.)		29.94	51	SW	6	og		30.06	+0.9	49	+6	WSW	4	bc		Trace	53	43	og mdy	ogd	og c o	0.1	
Isafjord																							
Reykjavik																							
Vestmanna																							
Seydisfjord		27.79	33	WSW	5	c		28.07		26	+3	NE	6	S									
Thorsbavn		28.38	41	WSW	8	c		28.20	-0.8	41	0	WSW	10	m									
Haparanda		29.06	18	NW	2	b		28.88	-1.3	19	-5	SSE	4	S		0.08	28	3					
Hernösand		29.29	32		0	bc		29.87	+0.8	39	+9	SW	2	o			41	28					
Stockholm		29.47	37	W	2	o		29.21	-0.4	40	+7	WSW	4	o			41	33					
Wisby		29.61	37	WSW	4	o		29.42	-0.4	42	+6	WSW	6	o		Trace	43	36					
Karlstad		29.41	36	WSW	4	o		29.21	0.0	42	+7	WSW	6	o			45	34					
Færder (Xtania Fjord)		29.36	37	SW	7	m		29.21	+0.1	37	0	SW	8	m	4		37	36					
Bodö		28.97	28	E	1	b		28.52	-0.2	36	+3	SSE	4	o	3	0.20	36	27					
Christiansund		28.82	43	S	2	c		28.73	-0.2	41	+2	WSW	9	o	6	0.16	43	37					
Skudesnaes		29.21	41	SW	8	o		29.19	+0.4	41	+1	WSW	9	c	6	0.12	41	37					
The Scaw (Skagen)		29.44	41	WSW	6	o		29.41	+0.4	44	+4	WSW	7	o	2	Trace	45	37					
Blaavands Huk		29.66	41	WSW	6	o		29.67	+0.7	42	+4	W	7	o	5		43	37					
Cuxhaven		29.84	46	SW	6	o		29.86	+0.2	46	+9	W	6	o			46	37					
The Helder		29.89	45	SSW	7	bc		29.95	+0.4	45	+4	SW	6	c	4		46	41					
Brussels		30.11	52	SW	7	c		30.14	+0.3	49	+3	SW	5	o		Trace	53	46					
Berlin		30.02	46	W	3	c		30.00	+0.1	48	+5	SW	3	o		Trace	45	43					
Frankfurt		30.23	48	SW	3	r		30.25	+0.4	48	+3	SW	4	r			52	45					
Munich		30.02	43	W	4	bc		30.41	+0.1	39	+2	SW	5	b		Trace	48	37					
C. Gris Nez		30.04	48	SSW	6	o		30.10	+0.7	47	+1	SW	6	r	6	0.16	48	46					
La Hève		30.19	47	SW	5	c		30.15		46	0	WSW	5	r	4		52	43					
Brest (St. Mathieu)		30.18	51	SW	5	o		30.26	+0.4	49	-1	W	4	o	5		54	46					
Lorient (Bec Melen)		30.24	50	SW	5	o		30.23		52	+2	SW	4	o	5		55	48					
Rochefort (Ile d'Als)		30.34	50	SW	3	bc		30.38		50	+3	SW	4	o			55	46					
Biarritz		30.39	53	ESE	3	b		30.45		46	-5	SE	1	o	5		59	43					
Paris		30.26	53	SSW	3	o		30.30	+0.3	47	+1	SSW	3	o			55	46					
Belfort		30.38	47	W	5	o		30.46		41	0	W	3	o			53	38					
Lyons		30.45	46		0	b		30.48		38	-1		0	o			54	36					
Nice		30.39	44		0	b		30.44	+0.1	44	+3	E	1	o	3		54	39					
Perpignan		30.36	56	NW	2	b		30.43	+0.3	39	-9	SW	1	b			65	37					

* Information for these columns not usually received.

† Received too late for insertion in Charts.

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 4TH MARCH...



GENERAL INFERENCE

The depression in the far north will continue to move eastward, and the gales in Scotland will subside gradually. The secondary disturbance

WEATHER PROSPECTS.

which is approaching our southwest coasts will occasion backing and increasing winds over our southern districts generally, with a renewal of unsettled, rainy weather.

FORECASTS FOR THE 24 HOURS NOON WEDNESDAY

TO NOON THURSDAY.

0 { a S.W. to S. gales and strong winds, moderating later; squally and showery at first, then fair.

1

2 { a S.W. winds, strong in places; fair at first, some rain later; continuing mild.

3 S.W. to S.W. winds, increasing in strength; fair to-day,

4 { a squally and rainy to-night or to-morrow; continuing mild.

5

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

South Cone hoisted yesterday morning

6 { a Same as Nos. 0 & 1.

7 { a Wind backing to the S.W. or S. and increasing in strength; fair at first, squally and rainy later; continuing mild.

8 { a

9 { a Wind backing to the S.; fair at first, some rain later; normal temperature

10 { a S. and S.W. winds, increasing in strength; rainy at first, improving temporarily later, normal temperature.

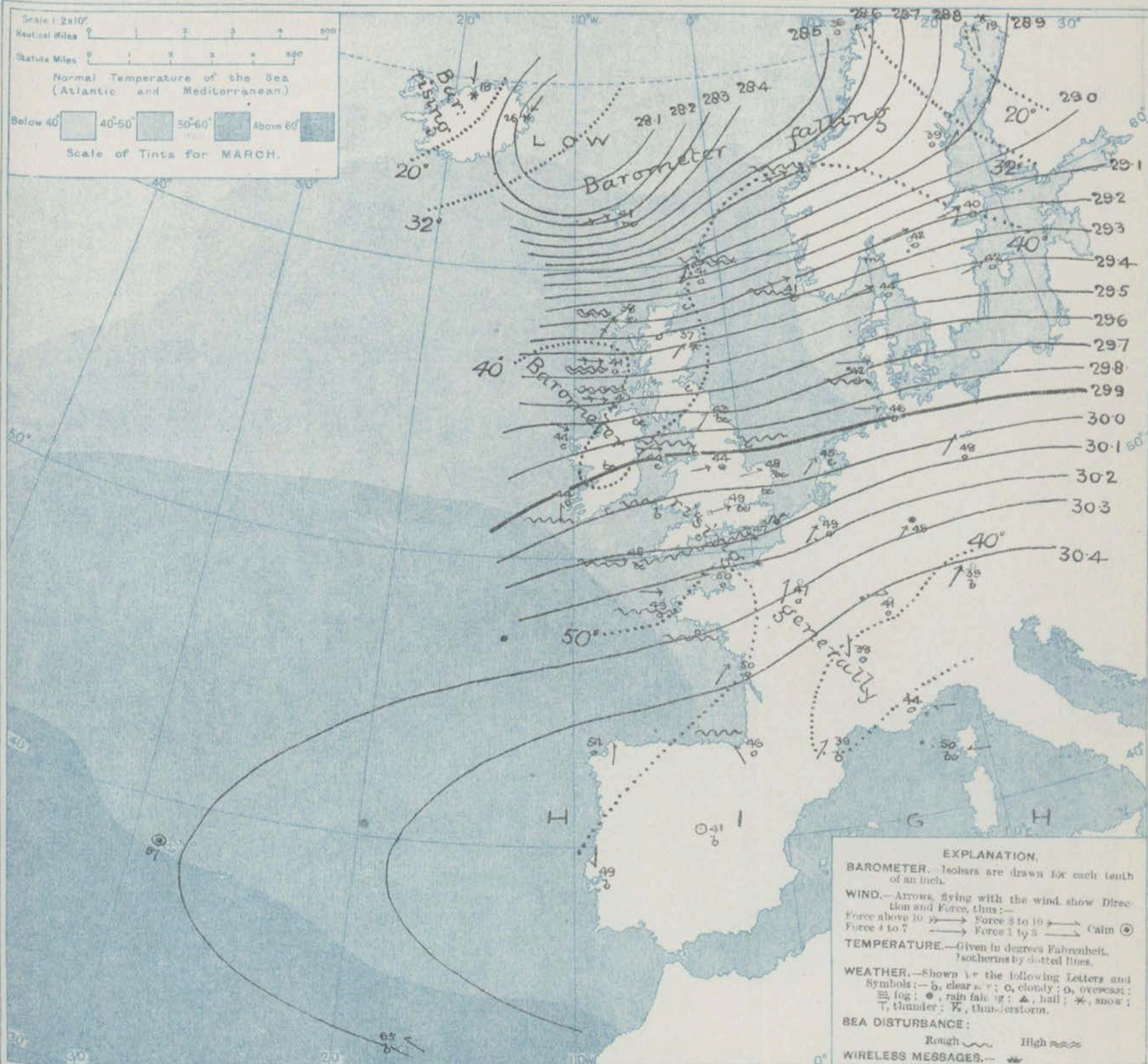
11

WESTERN CHANNEL AND BAY.

S.W. winds, increasing in force, with a rough sea; fair at first, squally and rainy later; continuing mild.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. WEDNESDAY, 5TH MARCH 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The deep depression which was approaching Iceland yesterday is now travelling eastwards towards the Norwegian coasts. There are indications of the advance of a small secondary disturbance towards the south-west of Iceland.

Westerly to South Westerly winds prevail over north-western Europe generally, and blow with the force of a gale in Norway, the Faeroe and the north of Scotland. In the south of Ireland the wind is backing to the southward. Temperature has fallen in the west and north of our islands, but risen elsewhere. In the south and

east of England the readings of the thermometer range between 47° and 49°, but at many of the Irish and Scotch stations they are below 40°. Sharp frost prevails in Iceland. The weather, although temporarily fine over England, is in a very changeable condition generally. Showers of hail or snow are falling in Scotland and the north of Ireland; snow is also reported in Lapland and in eastern Iceland. The sea is very high on our extreme north and north-west coasts, rough or rather rough in nearly all other localities.

DAILY WEATHER REPORT.

Wednesday, 5th March 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR	POSITION		NAME OF SHIP	O- Outward H- Homeward	BAROMETER		WIND		WEATHER	DATE AND HOUR	POSITION		NAME OF SHIP	O- Outward H- Homeward	BAROMETER		WIND		WEATHER
	Lat. N.	Long. W.			Reading	Change in 3 hours	Dir.	Force			Lat. N.	Long. W.			Reading	Change in 3 hours	Dir.	Force	
At 7 a.m.	50	20	California	O	29.28	-.07	SW	8-9	o										
"	49	18	Koonland	O	29.63	-.09	SW	8-9	o										
"	49	17	Lake Michigan	O	29.52	-.09	WSW	8-9	m										

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 5 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.	{ Oban	In.	"	"				{ Margate	In.	"	"				Hr.
	{ Stonehaven							{ Ramsgate		54	34	c	c, bc	0.1	
	{ St. Andrews							{ Deal	0.03	54	35	"	"	0.2	
	{ Carnoustie							{ Folkestone	0.04	52	36	od, og	cg, d	0.2	
Eng. N.E.	{ Harrogate	"	55	39	o	c, bcg	0.1	{ Littlestone	"	49	41	or, o	op, r	0.0	
	{ Scarborough	"	55	40	o	o, c	0.0	{ Hastings	0.06	49	41	op	sm	0.0	
England, N.W.	{ Blackpool	"	53	43	og	og	0.1	{ Bexhill-on-Sea	0.04	48	42	g	ged	0.0	
	{ Southport	"	55	40	bc, o	o, bc	1.6	{ Eastbourne	"	51	48	og	og	0.0	
	{ Buxton	"	51	37	c	bc	0.2	{ Seaford						0.0	
	{ Matlock							{ Brighton	0.07	49	43	od, o	o	0.0	
Wales.	{ Douglas							{ Worthing	0.06	50	39	o	o	0.0	
	{ Rhyl	"	53	?	bc, b	b, bc	6.9	{ Littlehampton	"	"	"	"	"	0.0	
	{ Colwyn Bay	"	56	51	bc, b	bc	4.6	{ Bognor	0.07	49	43	o	o	0.0	
	{ Llandudno	0.01	54	42	bc	bc, c	2.3	{ Southsea	0.04	52	41	o	om	0.0	
England, E.	{ Bettws-y-Coed	"						{ Bournemouth	0.10	51	40	od	od	0.0	
	{ Aberystwyth	0.12	51	44	ro, o	o, p	0.0	{ Weymouth	0.02	51	41	od	od	0.0	
	{ Lowestoft	0.24	55	38	o, c, o	o, c	0.1	{ Teignmouth	0.01	53	41	op	or	0.0	
	{ Felixstowe	0.18	52	39	mog	cmg	0.2	{ Torquay	0.05	52	40	o	o	0.0	
	{ Walton-on-Naze	0.09	52	43	o	b, o	0.1	{ Paignton	0.07	53	37	od	od	0.0	
	{ Southend-on-Sea	0.02	50	39	o	o	0.0	{ Ilfracombe	0.03	55	41	ogd	ogd	0.0	

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain- fall.	WEATHER.			Sun- shine for Yester- day.	STATIONS.	Rain- fall.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.			
	3 p.m. Yester- day.	9 a.m. To- day.	In Screen.		Min. on Glass.		Fore- noon.	After- noon.	Night.				In.	Max.	Min.	Night Min. on Glass.	Night.	Fore- noon.		After- noon.		
			Max.	Min.		Max.				Min.		Max.							Min.		Max.	Min.
	24 HOURS ENDED 5 A.M. TO-DAY.																					
Greenwich (Royal Obey.) ...	85	75	55	49	41	In.	od	o	om	0.1	Dublin to 4 p.m.	0.01	57	42	39	ogp	og	odg	0.0			
City (Bunhill Row) ...	o	*	*	*	*	*	*	*	*	0.0	Plymouth to 9 p.m.	0.07	51	42	44	odg	og	odg	0.5			
Westminster (St. James's Pl.)	88	83	53	49	43	-	bc, c	bc	bc	0.0	Darwen	-	52	37	33	ou	bc	ou	0.7			
Camden Sq. (Brit. Rainfall)	85	74	54	48	42	-	o	o	o, b	0.0	Manchester	-	56	37	30	c	bc, c	c	1.4			
Hampstead (Reservoir) ...	o	74	51	45	41	-	od	bc	bc	0.0	Birmingham	-	54	37	30	c	c	o	...			
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.											Oxford to 8 p.m.	-	54	38	30	bc, o	og, c, g	ogp	...
			Total.		Average Rate.		Max. Rate.															
S. Kensington (Roof of M.O.)	86	78	170		Joules.		4.3 Milli-watts.		24.5 Milli-watts.		0.0	S. Kensington (Museum Grounds to 6 p.m.)	0.07	53	40	29	ogc	o	og	...		

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

5th & 6th March, 1913.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	6.34	12.5	5.36
	6.32	12.5	5.35
Greenwich	6.40	12.12	5.44
	6.38	12.12	5.46
Wick	7.0	12.24	5.48
	6.57	12.24	5.50
Valencia	7.22	12.53	6.24
	7.20	12.53	6.26

During yesterday the thermometer rose to 50° and upwards over the United Kingdom generally, and touched 56° at Nottingham, Donaghadee, Colwyn Bay and Jersey. Over the country generally there was an almost entire absence of bright sunshine. Rain fell in nearly all districts, and strong gales from the South-Westward were experienced on our north and north-west coasts. Wireless reports show that as far west as the 20th meridian ships experienced fresh to strong gales from the south-westward, and dull weather.

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.

12.21.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

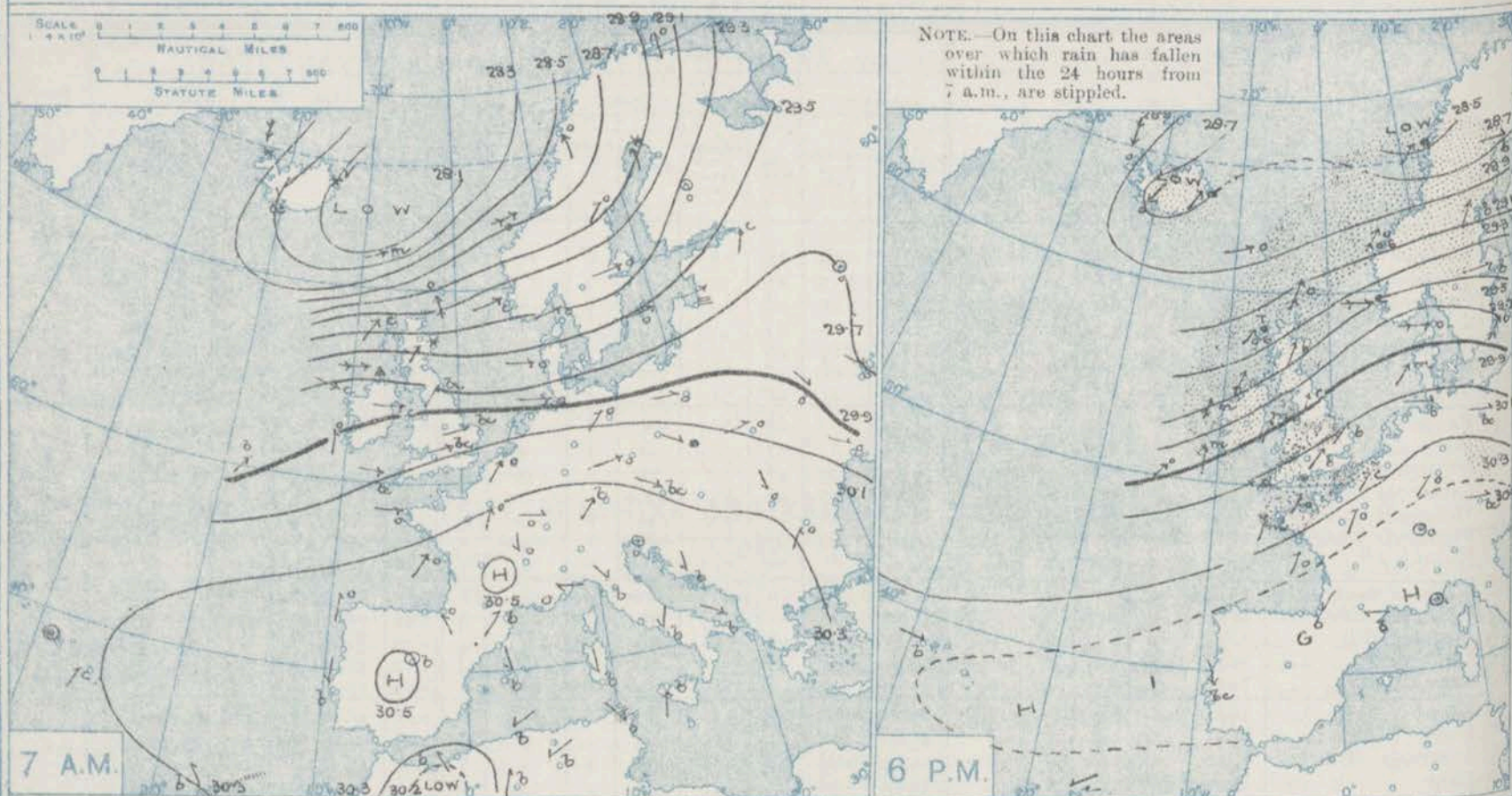
Thursday
16th March, 1913.

STATIONS.	YESTERDAY EVENING.						THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shine for Yester- day.
	BAROM.		TEMP.		WIND.	Weather.	BAROMETER.		TEMP.		WIND.	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.						
	At 32° Fahr. and M.S.L. Lat. 46°.	Dry Bulb.	Force (0 to 12).	Dir.			At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.					Force (0 to 12).	Dir.	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'd. 1 p.m. to 6 p.m.	Night, 6 p.m. to 7 a.m.		
	In.	"	"	"	"	In.	In.	"	"	"	"	"	In.	"	"	"	"	"	"				
Lerwick	29.18	42	SSW	9	o	29.23	-0.2	38	-3	SSW	8	r	8	0.47	44	37	cqhp	org	orgl	"			
Stornoway	29.16	44	SW	7	oqpt	29.34	+1.7	37	-1	WSW	7	s	6	0.60	46	30	o cpg	oqst	bcp, rhd	1.1			
Castlebay (Barra Isd.)	29.25	42	SW	8	chp	29.47	+0.8	42	+1	WSW	7	bchp	6	0.15	47	35	opchp	ctthp	htbcl	1.1			
Malin Head	29.39	47	SW	8	o	29.60	+0.9	40	0	WSW	7	oq	8	0.12	48	38	ogq	eq	gqpm	"			
Blacksod Point	29.48	48	SSW	9	m	29.64	+0.2	43	-1	W	8	o	5	0.16	50	39	ogpm	ogpm	ogpm	"			
Valencia	29.79	50	S	5	m	29.87	-0.1	43	-1	SW	3	c	6	0.17	51	42	cmlo	ogm	ogm	1.1			
Roche's Point	29.91	49	SW	6	o	29.95	"	45	+2	WSW	3	o	4	0.10	51	42	c op	c o	of o	"			
Birr Castle	29.75	49	SW	6	c	29.83	"	41	+5	W	2	c	"	0.15	50	35	c	c	op	5.0			
Donaghadee	29.69	49	SSW	4	cqj	29.76	+0.5	40	+2	SW	4	bc	2	0.09	50	38	bqpm	bqpm	bqgip	"			
Liverpool Obsy.	29.94	47	SSW	5	c	29.88	+0.3	45	+2	WSW	4	o	3	0.01	51	43	b	o c	c op	6.0			
Holyhead	29.60	48	SSW	5	m	29.88	+0.1	46	+2	W	5	c	4	"	50	38	bcm	om	og	"			
Pembroke (St. Ann's Hd.)	30.01	48	SSW	6	c	29.99	+0.2	47	+1	WSW	6	ogm	6	0.01	50	45	b	bc	cqm	6.8			
Newquay	30.13	50	SSW	5	cmp	30.10	"	50	+3	SW	4	c	4	0.01	54	46	b	b bc c	pbc	6.6			
Scilly (St. Mary's)	30.10	50	WSW	4	cm	30.09	-0.0	50	+2	WSW	4	cm	5	"	53	47	bcm	cm	cm	6.1			
Jersey (St. Aubin)	30.27	52	SW	3	og	30.23	"	50	0	SW	4	oe	3	0.06	55	48	ogme o	ogme o	odmco	1.3			
Portland Bill	30.19	48	SW	4	bc	30.11	-0.2	48	0	SW	4	c	4	0.02	51	46	bc	bc	bact	"			
Dungeness	30.20	47	SW	2	c	30.14	+0.1	47	0	SW	4	c	4	0.02	51	46	c	c	odfpc	"			
Dover	30.24	47	SW	4	c	30.19	"	47	0	SSW	4	c	4	0.02	52	44	m bc	bc c	ce	7.1			
Wick	29.26	43	WSW	6	o	29.27	+0.1	38	+3	SW	6	bcq	6	0.23	44	33	cqsp	cqpm	cqpl	"			
Nairn	29.33	45	W	5	o	29.40	"	37	+2	W	4	o	3	0.30	46	32	qsp	ogp	rgq	3.8			
Aberdeen	29.49	45	SSW	6	b	29.52	+0.3	39	+2	SW	5	b	2	0.11	48	36	bq	bq	cqpor	8.1			
Leith	29.64	47	SSW	5	c	29.63	+0.7	42	+2	SW	5	cqj	"	0.03	50	37	cqj bc	bc cqp	cq	"			
North Shields	29.82	48	SSW	5	c	29.75	+0.2	46	+3	SW	4	c	3	"	51	40	"	"	"	6.8			
Spurn Head	29.98	47	WSW	5	bc	29.89	+0.1	46	+1	WSW	5	cq	4	Trace	51	42	bcq	bcq	bcq cqp	7.4			
Yarmouth	30.11	53	SW	2	b	30.03	-0.0	46	-2	SW	2	bc	2	"	56	43	bc	bc b	b bc	7.8			
Clacton-on-Sea	30.14	48	SW	4	b	30.09	-0.0	46	-1	SW	3	c	2	"	56	43	bc b	b	b bc c	6.7			
Nottingham	30.01	48	SW	6	b	29.95	"	46	+2	W	5	r	"	0.03	53	44	b bc	bc b	bc o	8.3			
Bath	30.14	51	SW	4	c	30.07	"	49	+1	W	5	o	"	"	57	47	"	"	"	5.6			
London (Kew Obsy.)	30.16	50	SW	4	b	30.10	-0.0	48	-1	SW	5	o	"	"	55	45	bc b	b	b bc c	7.7			
Isafjord	28.94	18	N	9	o	29.25	+1.0	19	+1	N	3	o	"	"	"	"	"	"	"	"			
Reykjavik	28.75	21	N	8	o	29.15	+1.2	21	-2	N	7	c	"	"	"	"	"	"	"	"			
Vestmanna	28.65	23	NE	4	o	29.09	+0.7	21	-3	N	7	b	4	"	"	"	"	"	"	"			
Seydisfjord	28.69	14	SW	5	o	28.98	+0.7	21	-5	NW	4	c	"	"	"	"	"	"	"	"			
Thorshavn	28.80	41	WSW	9	o	28.91	+1.0	36	-5	WNW	3	c	"	"	"	"	"	"	"	"			
Haparanda	28.71	24	W	2	b	28.82	+0.5	30	+11	SW	6	c	"	0.16	32	18	"	"	"	"			
Hernösand	29.03	40	SSW	6	b	29.05	-0.8	39	0	S	4	bc	"	Trace	46	34	"	"	"	"			
Stockholm	29.45	37	W	6	b	29.49	-0.7	39	-1	SW	4	b	"	"	48	36	"	"	"	"			
Wisby	29.69	39	WSW	8	b	29.75	-0.6	37	-5	SSW	6	b	"	"	46	34	"	"	"	"			
Karlstad	29.59	39	WSW	8	b	29.44	-0.6	39	-3	SW	8	o	"	0.04	46	36	"	"	"	"			
Färder (X'ianta Fjord)	29.63	39	WSW	7	b	29.41	-0.2	40	+3	SW	10	m	5	"	41	36	"	"	"	"			
Bodö	28.47	36	SW	6	r	28.54	-0.6	39	+3	SSW	6	m	4	"	39	34	"	"	"	"			
Christiansund	28.96	42	SW	9	o	28.88	-0.1	38	-3	SW	9	r	7	0.63	43	37	"	"	"	"			
Skudesnaes	29.59	42	W	9	c	29.39	-0.0	42	+1	WSW	9	m	8	"	43	39	"	"	"	"			
The Scaw (Skagen)	29.84	40	W	9	m	29.65	-0.1	44	0	WSW	9	o	3	"	45	37	"	"	"	"			
Blaavands Huk	30.04	39	SW	4	m	29.87	-0.2	41	-1	WSW	5	m	4	"	43	37	"	"	"	"			
Cuxhaven	30.17	41	W	3	b	30.03	-0.5	44	-2	SW	5	bq	"	"	48	36	"	"	"	"			
The Helder	30.16	43	S	4	b	30.07	-0.1	45	0	S	6	o	3	"	46	43	"	"	"	"			
Brussels	30.26	51	SW	2	c	30.23	-0.0	52	+3	SW	4	o	"	Trace	58	48	"	"	"	"			
Berlin	30.20	47	W	2	bc	30.23	-0.3	44	-4	SW	3	bc	"	0.04	54	37	"	"	"	"			
Frankfurt	30.38	50	SW	3	o	30.35	+0.1	49	+1	SW	2	c	"	"	54	46	"	"	"	"			
Munich	30.49	40	W	2	b	30.51	+0.1	36	-3	SW	3	b	"	"	50	34	"	"	"	"			
C. Gris Nez	30.22	46	SW	5	c	30.18	-0.0	47	0	SW	5	c	5	0.12	48	46	"	"	"	"			
La Hève	30.25	47	SW	3	o	30.23	"	47	+1	SSW	5	o	4	0.08	54	45	"	"	"	"			
Brest (St. Mathieu)	30.29	50	SSW	3	m	30.24	-0.0	50	+1	SSW	4	f	5	0.04	54	48	"	"	"	"			
Lorient (Bec Melen)	30.27	52	SW	4	f	30.26	"	50	-2	SW	4	o	3	0.04	54	48	"	"	"	"			
Rochefort (Ile d'Alx)	30.45	51	SSW	3	o	30.43	"	46	-4	S	3	c	"	"	54	45	"	"	"	"			
Biarritz	30.41	53	NE	2	b	30.41	"	45	-1	"	0	b	6	"	61	41	"	"	"	"			
Paris	30.35	54	SSW	2	o	30.34	-0.0	51	+4	SSW	3	o	"	"	57	47	"	"	"	"			
Belfort	30.46	50	"	0	o	30.53	"	45	+4	"	0	c	"	"	55	41	"	"	"	"			
Lyons	30.49	48	"	0	m	30.53	"	33	-5	"	0	m	"	"	55	33	"	"	"	"			
Nice	30.45	48	"	0	c	30.52	+0.2	44	0	SW	1	c	2	"	54	41	"	"	"	"			
Perpignan	30.43	50	E	1	b	30.49	+0.2	39	0	SW	1	b	"	"	66	37	"	"	"	"			
Sanguinaire	30.44	52	SW	2	m	30.49	"	50	0	ESE	2	m	2	"	59	45	"	"	"	"			
Corunna (8 a.m.)																							
Lisbon (8 a.m.)	30.44	53	NNW	4	bc	30.44	+0.8	50	+1	N	3	bc	6	"	61	49	"	"	"	"			
Gibraltar	30.43	54	E	1	bc	30.40	"	56	"	E	2	c	2	"	64	51	"	"	"	"			
Azores (P. Delgada)															</								

* Information for these columns not usually received.

† Received too late for insertion in Charts.

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 5TH MARCH



GENERAL INFERENCE

WEATHER PROSPECTS.

The depression in the far north will continue to travel away to the north-eastward. Small secondary disturbances are likely to pass across the United Kingdom,

and to occasion slight showers locally, but most districts will experience a preponderance of fair weather.

FORECASTS FOR THE 24 HOURS NOON THURSDAY TO NOON FRIDAY.

- 0 {
a) South-Easterly to E-S-easterly winds strong to a gale at first, but moderating later; cold, changeable, some snow or sleet showers.
b)
- 1 {
a) South-Easterly to E-S-easterly winds strong in places; changeable, some showers, fine intervals, rather cooler.
b)
- 2 {
a) E-S-easterly and South-Easterly
b)
- 3 winds, fresh; fair generally, but
- 4 {
a) slight showers locally;
b)
- 5 continuing mild.

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning signals are at present displayed are indicated thus:—

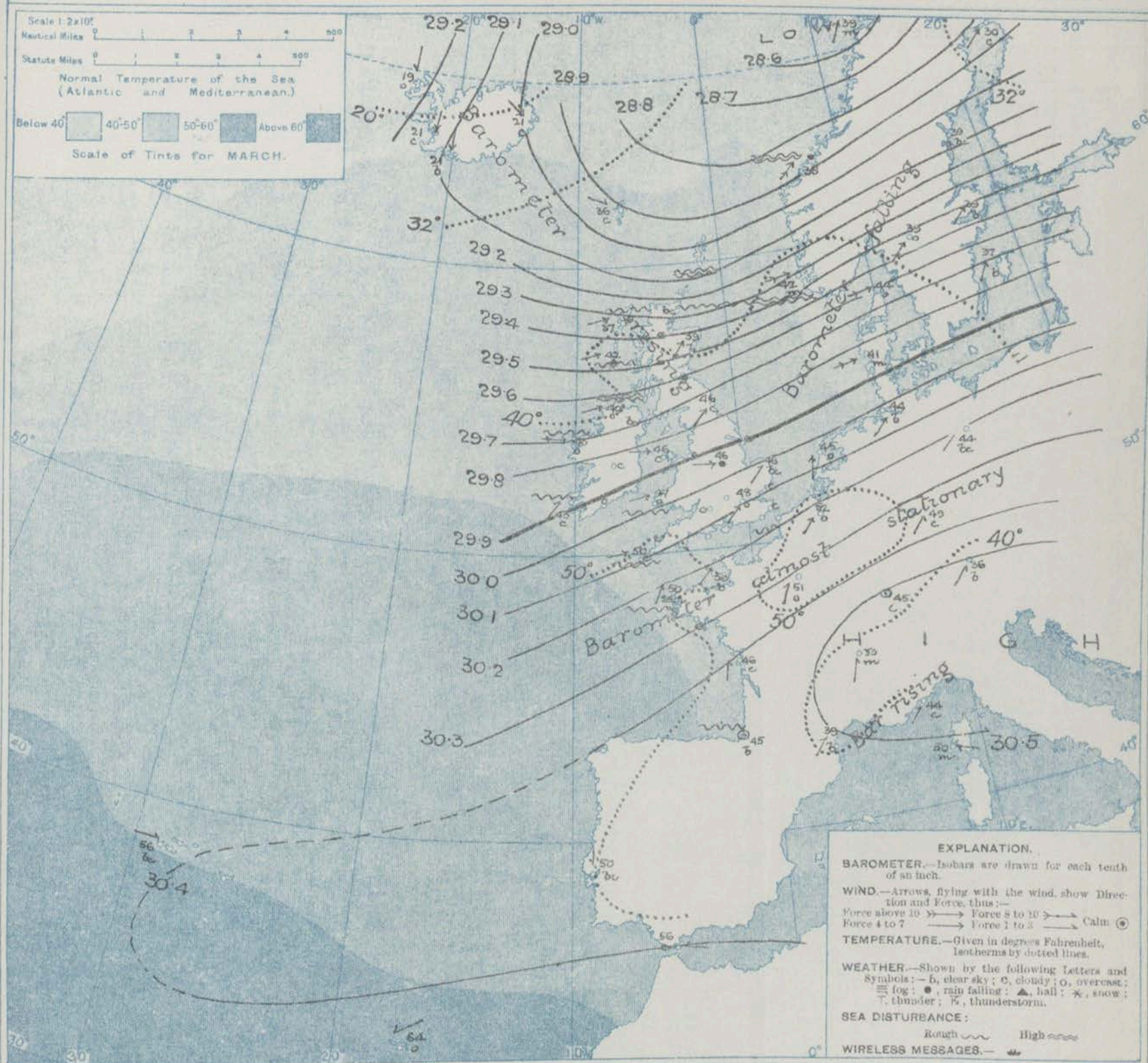
Signals hoisted yesterday.	Signals hoisted this morning.
South Cone	South Cone
North Cone	North Cone

SOUTH CONE HOISTED in all Districts at 6.50 pm. yesterday

- 6 {
a) E-S-easterly and South-Easterly
b)
- 7 {
a) winds, strong in places;
b)
- 8 {
a) changeable, some showers, fine
b)
- 9 {
a) intervals; moderate temperature
b)
- 10 {
a)
b)
- 11 WESTERN CHANNEL AND BAY.
Fresh or strong South-Easterly winds, and a rather rough sea; mild, changeable, some showers, fine intervals.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. THURSDAY, 6TH MARCH 1913



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The deep depression recently noticed in the far north is now travelling away north-eastwards along the coast of Finmark. The barometer is rising over the United Kingdom generally, but is inclined to fall at Valencia. The highest pressures are found over the southern parts of France and Germany.

South. Westerly to E. easterly winds continue to prevail over western Europe generally, and still blow with the force of a gale in the north of Scotland and along the Norwegian coasts. In Iceland the wind is northerly. Temperature

has changed rather irregularly. Over the United Kingdom the morning readings range from between 47° and 50° in the south of England to a little below 40° in the north of Scotland. In Belgium and the north-east of France the readings are slightly above 50° . In Iceland the thermometer ranges between 18° and 21° . The weather is fair or fine over western Europe as a whole, but showers are falling at a few of our own northern and central stations; in the Hebrides they consist of snow or hail. The sea is very high in the extreme north and north-west, and rough on all the more exposed parts of the western and northern coasts.

DAILY WEATHER REPORT.

Thursday, 6th March 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
5th 6 p.m.	51	14	Itaverford	H	29.92	+12	SW	6-7	0
" 7 p.m.	50	17	California	H	29.80	?	SW	6-7	6

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.	
Scotland.	In.					Hr.
Oban ...	0.18	48	37	b,th	b,lc	1.1
Stonehaven ...						
St. Andrews ...	0.16	52	35	o	c,lc	5.7
Carnoustie ...						
England, N.E.						
Harrogate ...	0.09	49	40	bc,b	b,lc	5.8
Scarborough ...	"	51	42	o	bc	6.3
England, N.W.						
Blackpool ...	0.05	50	44	bc,b	b,lc	5.9
Southport ...	"	52	43	c,b,lc	bc,o	5.7
Buxton ...	0.05	49	42	b	bc	7.4
Matlock ...						
Douglas ...						
Wales.						
Rhyl ...	0.03	51	44	bc	b,lc	5.0
Colwyn Bay ...	0.03	53	43	b	b,lc	6.2
Llandudno ...	"	52	43	b	bc,o	5.6
Bettws-y-Coed ...	"	52	41	b	b,lc	6.0
Aberystwyth ...	0.07	50	43	bc	bc,c	6.5
England, S.W.						
Lowestoft ...	0.01	57	45	c,lc,b	b	7.6
Felixstowe ...	"	50	44	cm	bm	7.1
Walton-on-Naze ...	"	51	47	b	b	6.9
Southend-on-Sea ...	"	54	48	b	b	7.0
England, S.E.						
Margate ...		57	48	bc	b	5.8
Ramsgate ...		57	41	"	"	6.4
Deal ...		56	46	c	bc,b	7.7
Folkestone ...	0.02	50	46	bc,b	b	5.1
Littlestone ...	"	"	"	"	"	6.8
Hastings ...	0.08	53	46	or,bc,b	bc,o	4.2
Bexhill-on-Sea ...	0.06	51	46	b	b	6.2
Eastbourne ...	0.07	52	47	b,lc	b,lc	6.2
Seaford ...	0.10	50	43	bc,b	b	6.4
Brighton ...	0.09	51	47	bc,b	b	7.1
Worthing ...	0.08	52	46	b	b	7.2
Littlehampton ...	"	"	"	"	"	7.2
Bognor ...	"	"	"	"	"	5.7
Southsea ...	"	56	41	b	b	4.8
Bournemouth ...	0.05	53	46	b	bc,p	5.4
Weymouth ...	0.02	55	45	b	b	7.2
Teignmouth ...	"	56	47	b	b,lc	7.7
Torquay ...	0.06	54	47	b	b,lc	7.3
Paignton ...	0.10	56	46	b	b,lc	7.6
Ilfracombe ...	0.03	52	47	b	bc,w	7.0
Weston-super-Mare ...	"	53	45	bc	b,lc	7.0

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		TEMPERATURE.		Rainfall.	WEATHER.			Sunshine for Yesterday.
	3 p.m. Yesterday.	9 a.m. To-day.	Max.	Min.		Forenoon.	Afternoon.	Night.	
Greenwich (Royal Obs.) ...	60	84	58	43	38	b	bc	bc	7.7
City (Bunhill Row) ...	"	"	"	"	"	"	"	"	5.9
Westminster (St. James's Pk.)	66	87	58	47	40	bc	bc	bc	7.4
Camden Sq. (Brit. Rainfall)	52	81	58	45	39	b	b	b,lc,p	7.4
Hampstead (Reservoir) ...	"	93	56	44	37	bc	bc	c	7.9
Kew. (See front page.)	"	"	"	"	"	"	"	"	"
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETER DURING YESTERDAY.									
Total.			Average Rate.		Max. Rate.				
S. Kensington (Roof of M.O.)			931 Joules.		23 Milliwatts.		45 Milliwatts.		6.8

Additional Observations for Yesterday.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.			Sunshine for Yesterday.
		In Screen.	Night Min. on Grass.	Night.	Forenoon.	Afternoon.	
Dublin to 4 p.m.	0.08	52	40	36	q,lc,b	bc	bc,p
Plymouth to 9 p.m.	0.05	54	47	47	bc,q	b	bc,q
Darwen "	0.03	49	39	34	or	or	bc
Manchester "	0.04	53	43	35	or,c	bc	bc
Birmingham "	"	53	42	34	b	b	b
Oxford to 8 p.m.	"	55	47	41	q,lc,b	b,lc	bc,c
S. Kensington (Museum Grounds to 6 p.m.)	"	58	49	40	bc	bc	bc

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

6th & 7th March 1913.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	6.32	12.5	5.28
	6.29	12.4	5.30
Greenwich ...	6.38	12.12	5.46
	6.35	12.11	5.47
Wick ...	6.57	12.24	6.50
	6.54	12.23	6.52
Valencia ...	7.20	12.53	6.26
	7.17	12.52	6.28

NOTES ON YESTERDAY'S WEATHER.

During yesterday the thermometer rose to 55° and upwards at several stations in the south and east of England, and to 53° at South Kensington, Greenwich and Camden Square. Over England and Wales the duration of sunshine was large. Showers fell in many districts. Thunder and lightning occurred in the north of Scotland, and lightning only at Donaghadee. A gale continued to prevail on the coasts of Ireland and Scotland. Wireless reports show that as far west as the 17th meridian ships experienced strong S.W. winds and fair but cloudy weather.

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.

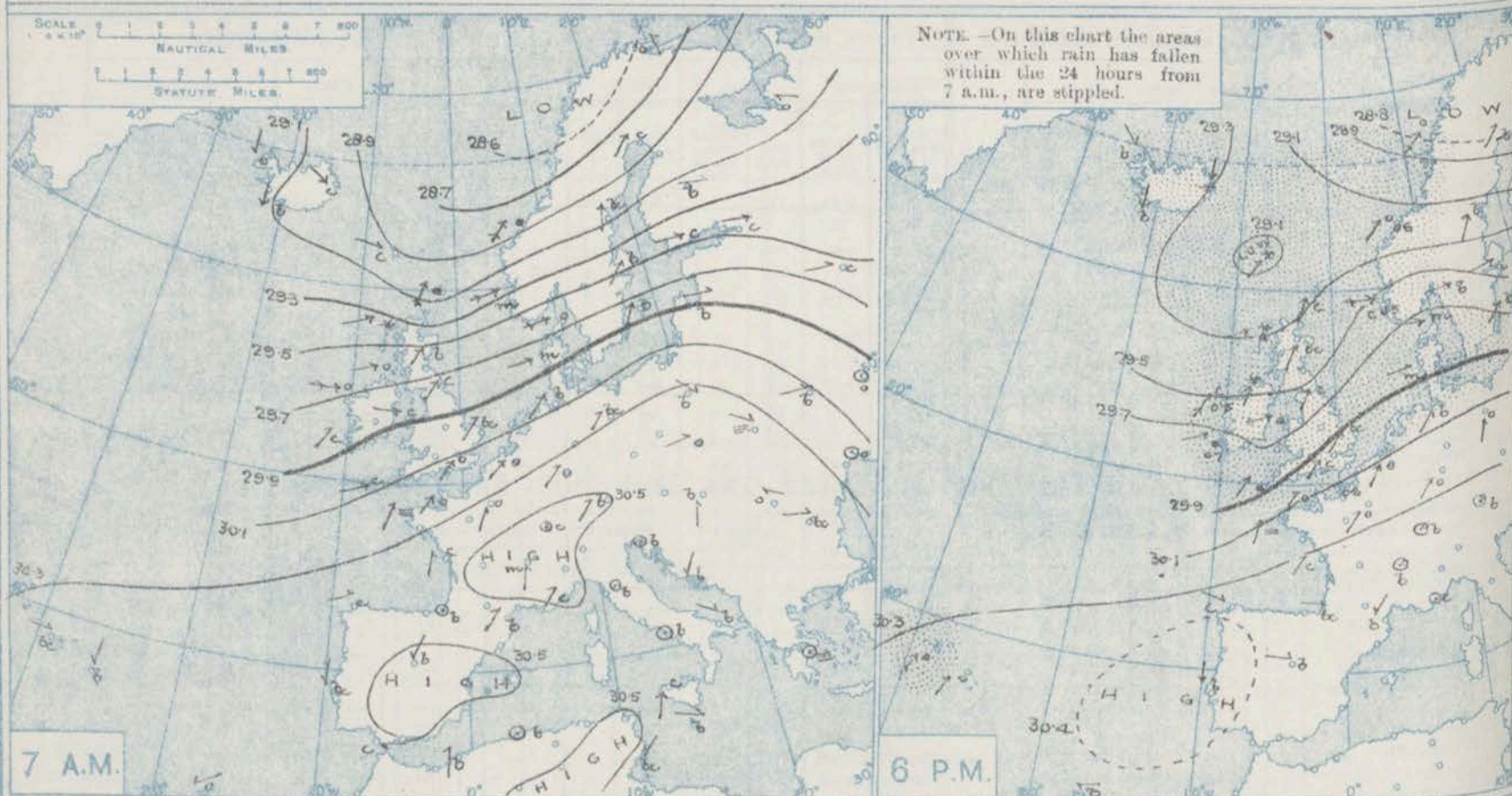
12.21.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Friday,
7th March, 1913.

STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.	
	BAROM.		TEMP.		WIND.	Force (0 to 12).	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.			
	At 8 ² Fabr. and M.S.L. Lat. 45°.	Dry Bulb.	Dir.	Force (0 to 12).				At 8 ² Fabr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						Dir.	Force (0 to 12).	Max.	Min.		Morn'g. 7 a.m. to 1 p.m.
Spitzbergen ...	28.94	17	SE	4	0			29.00	+0.2	13		SE	5	0	*	-	18	12	*	*	*	Hours
Lerwick ...	In.							In.	In.							In.						
Stornoway ...	29.30	41	SSW	5	c			29.10	+0.4	34	-4	WNW	4	S	3	0.25	43	32	csp	csp	csp	*
Castlebay (Barra Isd.) ...	29.30	35	WSW	6	bcghsp			29.38	+1.1	35	-2	WNW	7	S	5	0.19	43	33	bcghp	bcghp	cspg	2.1
Malin Head ...	29.34	40	WSW	5	bc			29.53	+1.4	41	-1	NW	5	bc	5	0.09	42	34	bcgh	bcgh	bcgh	0.6
Blacksod Point ...	29.42	37	SSW	5	cqspn			29.58	+1.7	41	+1	WNW	6	ogsp	7	0.32	44	32	ogd	cmpp	ogsp	*
Valencia ...	29.53	39	SW	8	c			29.74	+1.1	39	-4	W	9	c	6	0.51	45	35	ogqm	oghpn	ogqm	*
Roche's Point ...	29.77	43	WSW	6	b			29.84	+0.3	43	0	SW	5	c	5	0.72	49	36	orm	orm	orm	0.1
Birr Castle ...	29.74	45	W	4	cq			29.97	*	38	-7	W	3	c	4	0.34	50	34	o	orm	c bc	*
Donaghadee ...	29.61	39	W	3	c			29.84	*	36	-5	W	4	b	*	0.38	48	34	op	orm	op hsp	2.2
Liverpool Obsy ...	29.50	39	SW	4	r			29.62	+0.5	36	-4	SW	4	cq	4	0.27	48	35	bcq	bcq	bcq	*
Holyhead ...	29.63	47	S	5	r			29.79	+0.4	39	-6	WSW	5	b	5	0.05	51	39	bcq	bcq	bcq	2.5
Pembroke (St. Ann's Hd.) ...	29.60	47	WSW	7	r			29.79	+0.2	40	-6	W	6	bc	5	0.28	48	40	om	om	cq	*
Newquay ...	29.73	48	SSW	9	c			29.94	+0.3	44	-3	WNW	6	bcq	6	0.18	49	40	ogqm	ogqm	ogqm	1.2
Scilly (St. Mary's) ...	29.90	50	S	6	om			30.04	+0.2	43	-7	W	4	c	4	0.09	54	43	bc b	c om	cp	3.0
Jersey (St. Aubin) ...	29.88	51	SW	6	ogpm			30.04	0.0	46	-4	WNW	4	cq	6	0.05	53	44	om	ogqm	ogqm	4.5
Portland Bill ...	30.16	51	SW	3	ome			30.14	*	47	-3	WSW	5	og	4	0.33	52	46	ome d	ome d	c sp o	0.0
Dungeness ...	30.00	49	SW	6	c			30.04	+0.1	46	-2	WSW	6	c	5	0.04	50	45	c	c	c r c	*
Dover ...	29.99	48	SW	5	c			30.02	+0.5	45	-2	WSW	2	c	3	0.15	49	44	o c d	c	c o c	*
Wick ...	30.04	47	SW	4	o			30.06	*	42	-5	WSW	3	bc	2	0.04	49	41	cepm	od o	orm	0.0
Nairn ...	29.29	37	SW	5	o			29.22	+0.6	35	-3	W	3	c	4	0.13	42	32	csp	csp	csp	*
Aberdeen ...	29.35	36	W	1	c			29.33	*	35	-2	W	1	c	1	0.11	43	32	qp bc	qp	spc	2.7
Leith ...	29.38	44	SSW	4	bc			29.36	+0.4	35	-4	WSW	4	bc	2	0.17	47	34	b bcq	bcq	op csp	6.8
North Shields ...	29.44	43	S	4	r			29.44	+0.3	37	-5	SW	4	r	*	0.37	50	35	csp bc	bc sp	or	*
Spurn Head ...	29.57	46	SSW	4	c			29.58	+0.2	39	-7	SW	3	c	2	0.40	52	33	c	c	c r c	6.4
Yarmouth ...	29.74	48	SSW	4	c			29.77	+0.5	39	-7	W	7	bcq	6	trace	52	37	c	c	csp	4.3
Clacton-on-Sea ...	29.93	53	SW	2	bc			29.92	+0.8	40	-6	WSW	2	bc	2	-	56	39	bc	bc	bc	1.7
Nottingham ...	29.98	49	SW	4	bc			29.99	+0.7	42	-4	SW	4	bc	3	0.09	51	42	c bc	bc	bc o c	4.8
Bath ...	29.78	50	SW	5	c			29.85	*	38	-8	WSW	4	b	*	0.07	55	37	r o c bc	bc	c r b	3.5
London (Kew Obsy.) ...	29.91	52	SW	6	c			30.02	*	41	-8	W	1	o	*	0.12	56	40	-	-	-	1.2
Isafjord ...	29.97	51	SW	5	c			30.01	+0.3	42	-6	SW	4	bc	*	0.08	57	41	og bc	bc	c o c	5.9
Reykjavik ...	29.35	25	NW	2	b			29.31	-0.5	26	+7	W	7	c	*	*	*	*	GALES. Duration and Extreme Force on British Coasts.			
Vestmanna ...	29.34	24	N	3	b			29.30	0.0	22	+1	E	7	c	*	*	*	*				
Seydisfjord ...	29.32	23	N	4	b			29.41	-0.1	27	+6	SE	5	S	2	*	*	*				
Thorsbavn ...	29.30	21	N	4	S			29.46	+0.1	17	-4	-	0	b	*	*	*	*				
Haparanda ...	29.05	35	SW	1	S			29.29	+1.1	26	-10	NW	5	c	*	*	*	*				
Hernösand ...	28.80	28	SW	2	b			28.98	+0.1	22	-8	SW	4	b	*	-	32	19	Lerwick 7 a.m. - 9 a.m. Extreme S.W. 8.			
Stockholm ...	29.13	41	S	4	b			29.19	-0.6	31	-8	S	2	b	*	-	48	28				
Wisby ...	29.45	40	WSW	6	b			29.36	-0.8	36	-3	S	4	o	*	-	46	34	Malin Head 7 a.m. - 3 p.m. Extreme S.W. 8 in squalls			
Karlstad ...	29.69	39	SW	6	b			29.47	-2.1	37	0	S	2	r	*	0.04	45	36				
Færder (X'landa Fjord) ...	29.52	39	WSW	6	b			29.09	-2.8	36	-3	SSE	6	r	*	0.16	46	32	Blacksod Point 7 a.m. - 7 p.m. Extreme S.W. 9			
Bodö ...	29.58	39	SW	6	b			28.88	-3.5	40	0	SW	10	m	4	0.16	41	37				
Christiansund ...	28.76	37	SW	9	o			28.85	+0.2	32	-7	SSW	7	c	4	0.20	39	30	Donaghadee S.W. 8 at 4 p.m.			
Skudesnaes ...	29.16	40	SW	7	o			28.88	-1.1	35	-3	NE	1	o	5	0.59	40	34				
The Scaw (Skagen) ...	29.54	41	W	8	c			29.15	+0.4	37	-5	WNW	9	c	5	0.47	43	34	Pembroke 4 p.m. - 8 p.m. Extreme S.W. 9			
Blaavands Huk ...	29.74	40	W	7	m			29.25	-0.1	39	-5	WSW	8	bc	3	0.16	46	37				
Cuxhaven ...	29.87	38	WSW	3	m			29.53	+0.4	40	-1	WSW	7	m	6	0.08	43	37	Scilly W 8 in squalls at 7 p.m.			
The Helder ...	29.99	46	SW	2	b			29.78	+0.5	43	-1	W	7	b	*	0.24	52	43				
Brussels ...	29.98	44	SSW	5	f			29.89	+0.8	43	-2	SW	6	c	4	0.04	49	43	Portland 8 p.m. - mid. Extreme S.W. 8			
Berlin ...	30.10	53	SSW	6	o			30.06	+0.6	46	-6	SW	3	r	*	0.20	53	45				
Frankfurt ...	30.13	52	S	3	o			29.90	-1.1	50	+6	W	4	c	*	0.16	55	44	Dungeness 11 p.m. - 10 a.m. Extreme S.W. 8			
Munich ...	30.20	53	SW	4	o			30.13	0.0	47	-2	SW	5	c	*	-	55	44				
C. Gris Nez ...	30.36	42	-	0	b			30.32	-0.1	41	+5	SW	5	bc	*	-	52	36	Wick 8 a.m. - 10 a.m. Extreme S.W. 9			
La Hève ...	30.05	46	SW	5	o			30.05	+0.7	45	-2	WSW	6	o	5	0.55	50	45				
Brest (St. Mathieu) ...	30.13	50	SW	5	o			30.10	*	45	-2	WSW	4	r	4	0.28	54	41	Aberdeen 4 m.p.h. (8) at 3 a.m.			
Lorient (Bec Molen) ...	30.15	50	SSW	5	f			30.18	0.0	46	-4	SW	3	m	5	0.12	52	45				
Rochefort (Ile d' Aix) ...	30.21	52	SW	5	o			30.15	*	50	0	WSW	2	f	5	-	55	45	Spurn Head 8 p.m. - 7 a.m. Extreme S.W. 8 in squalls			
Biarritz ...	30.37	52	SW	3	c			30.32	*	50	+4	SW	3	c	*	-	59	46				
Paris ...	30.36	54	W	2	bc			30.34	*	46	+1	SSE	3	m	5	-	57	45	Kew 42 m.p.h. (8) at 10.25 p.m.			
Belfort ...	30.25	56	SW	3	o			30.18	+0.1	49	-2	SSW	4	o	*	-	60	46				
Lyons ...	30.36	53	-	0	b			30.36	*	42	-3	WSW	4	o	*	-	60	41	Southport 8 p.m. - 8 a.m. Extreme S.W. 9 Gust 66 m.p.h.			
Nice ...	30.40	52	-	0	b			30.42	*	39	+6	-	0	m	*	-	60	33				
Perpignan ...	30.48	48	-	0	c			3														

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 6TH MARCH.



GENERAL INFERENCE

The new depression which is approaching Iceland is likely to cause a general backing of the wind to the South Westward, with some increase in strength on our western and northern coasts.

WEATHER PROSPECTS.

There are some indications of the advance of a secondary disturbance towards the west of Ireland.

FORECASTS FOR THE 24 HOURS NOON FRIDAY

TO NOON SATURDAY.

- 0 {
a North West to West or
b South West winds, strong in places;
some cold showers at first, then
becoming temporarily fair; frost inland
tonight.
- 1 {
a West to South West
b winds, strong in places; fair today
- 2 {
a showers again tomorrow; temperature
b rather below the normal.
- 3 {
a
b
- 4 {
a
b
- 5 {
a
b

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Coast.	South Coast.
North Coast.	North Coast.

NO WARNINGS
ISSUED.

- 6 {
a West to South West
b winds, strong in places; fair
- 7 {
a
b at first, some rain later;
- 8 {
a
b normal temperature.
- 9 {
a
b
- 10 {
a
b

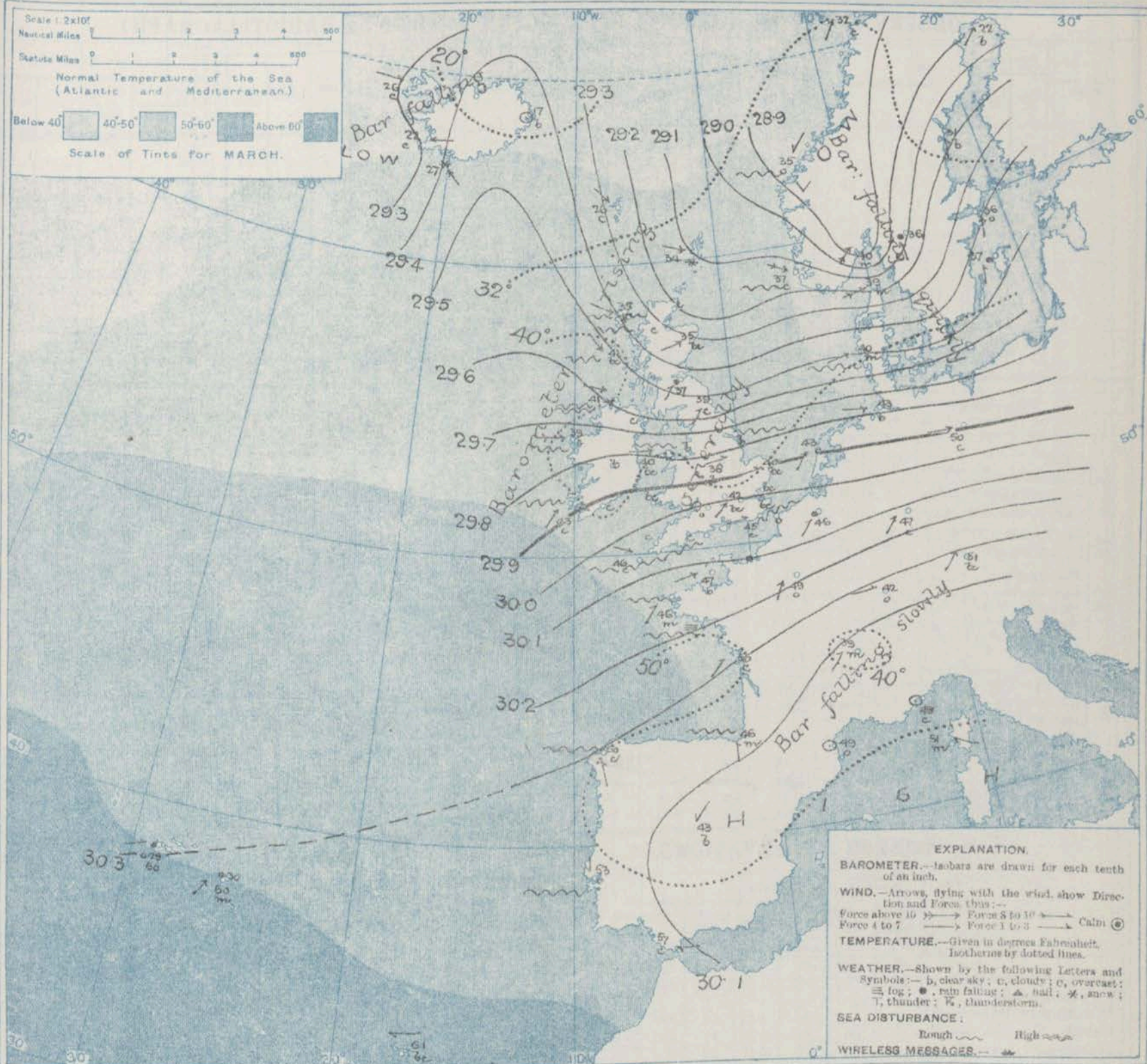
11 WESTERN CHANNEL AND BAY.

Fresh or strong West to South West winds, and a rather rough sea; fair at first, shower later; moderate temperature.

THE FURTHER OUTLOOK. (All Districts)

Changeable weather is likely to continue, with a lower temperature than of late.

MARCH 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

A large anticyclone still lies over southern Europe and the Mediterranean. A deep depression is passing eastwards across Norway, and another disturbance is approaching Iceland from the southwestward.

Westerly to South. Westerly winds continue to prevail over western Europe generally, and blow with the force of a gale on the eastern side of the North Sea. In the west of Scotland the wind has veered to the North Westward, but in southern Iceland it has shifted to the Eastward. Temperature has fallen in most places. On some parts of our

south coasts the thermometer is slightly above 45° ,
 but over the United Kingdom generally it is
 below 40° , and in the north of Scotland it is as
 low as 35° . Frost prevails in the north of Scandinavia
 and hard frost in Iceland. The weather is fine
 over the greater part of England and Ireland, but
 is in a cloudy, changeable condition elsewhere,
 with rain in several places. Snow is falling in
 the Hebrides, and locally in the north of Ireland,
 as well as at Vestmanna. The sea is rather rough
 on most parts of the British and Irish coasts.

DAILY WEATHER REPORT.

Friday, 7th March 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
					In.	In.		(0-12).							In.	In.		(0-12).	

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.	Oban ...	In.					Hr.	England, S.E.	Margate ...	In.					Hr.
	Stonehaven ...	0.19	48	38	bc, ry	chp	0.8		Ramsgate ...		58	44	o, c	c, bc	2.3
	St. Andrews ...								Deal ...		53	45	"	"	1.2
	Carnoustie ...								Folkestone ...	0.02	48	44	bc, r	r, b	0.0
England, N.E.	Harrogate ...	0.19	50	40	c, bc	bc, v	2.1	England, S.W.	Littlestone ...						0.9
	Scarborough ...	"	52	45	bc	bc	3.3		Hastings ...	0.09	49	46	or, c	bc, c	2.2
England, N.W.	Blackpool ...		50	45	"	o	2.9	England, S.W.	Bexhill-on-Sea ...	0.05	48	46	o, c	o, c, bc	1.5
	Southport ...	0.07	52	45	c, bc	bc, v	3.0		Eastbourne ...	0.09	52	47	od, bc	og, bc, b	2.6
	Buxton ...								Seaford ...	0.04	50	46	bc, b	b	3.7
	Matlock ...	0.14	49	42	bc	bc, r	2.8		Brighton ...	0.03	51	47	c, c, bc	bc, c, o	2.6
Wales.	Douglas ...							England, S.W.	Worthing ...	0.03	52	46	r, o	bc, o	5.0
	Rhyl ...	0.15	51	44	c, o	o, c, bc	2.6		Littlehampton ...						
	Colwyn Bay ...	0.19	48	46	b, bc	bc, p	3.1		Bognor ...						
	Llandudno ...	0.10	51	45	bc	or	2.5		Southsea ...	0.02	56	46	or, bc, b	bc, b	2.8
England, E.	Bettws-y-Coed ...							England, S.W.	Bournemouth ...		54	47	c, o	o	3.1
	Aberystwyth ...	0.08	50	45	ro, c	c, or	0.7		Weymouth ...						
	Lowestoft ...		55	43	c, o, c	c, o, c, bc	1.0		Teignmouth ...	0.01	56	49	b, bc	b, bc	5.1
	Felixstowe ...		55	43	cm	bc, m	4.9		Torquay ...		53	48	bc	bc, c	3.2
England, E.	Walton-on-Naze ...		51	45	bc, b	b	4.5	England, S.W.	Paignton ...		54	48	c, bc	bc, c	2.5
	Southend-on-Sea ...		55	44	o, bc	bc	4.8		Ilfracombe ...	0.05	54	46	c, bc	bc, c, o	1.1
								England, S.W.	Weston-super-Mare ...		54	44	"	b, bc, f	

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain- fall.	WEATHER.			Sun- shine for Yester- day.	STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.	
	3 p.m. Yester- day.	9 a.m. To- day.	In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.				In Screen.	Night Min. on Grass.	Night.	Fore- noon.	After- noon.			
			Max.	Min.														Max.		Min.
34 HOURS ENDED 9 A.M. TO-DAY.																				
Greenwich (Royal Obsy.) ...	%	%				In.				Hr.		In.							Hr.	
City (Bunhill Row) ...	64	73	59	41	35	0.14	bc	bc	c, or	6.6	Dublin to 4 p.m.	0.11	50	43	41	og, b	bc, p	og, og	3.2	
Westminster (St. James's Pk.)	76	84	59	42	36	0.09	bc	bc, r	bc	6.6	Plymouth to 9 p.m.	0.07	53	45	43	og	bc	og	2.6	
Camden Sq. (Brit. Rainfall)	61	76	59	41	37	0.12	o, b	b, bc	part, b	5.6	Darwen "	0.41	50	41	38	or	og, r	bc	1.7	
Hampstead (Reservoir) ...	*	82	56	39	34	0.18	bc	or, bc	c	5.4	Manchester "	0.21	52	43	40	c, or	c, bc	bc, cor	3.8	
Kew. (See front page.)											Birmingham "	0.06	53	44	37	r	c	r	3.8	
			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.									Oxford to 8 p.m.	-	54	46	42	bm, c	c, o	c, o, g	
			Total.		Average Rate.		Max. Rate.													
S. Kensington (Roof of M.O.)	70	77	782 Joules.		19.5 Milliwatts.		46 Milliwatts.			5.8	S. Kensington (Museum Grounds to 6 p.m.)	0.09	58	47	37	c	og	c		

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

7th March 1913.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	6.29	12.4	5.30
	6.26	12.38	5.28
Greenwich ...	6.35	12.11	5.47
	6.35	12.11	5.49
Wick ...	6.54	12.23	5.52
	6.51	12.23	5.54
Valencia ...	7.17	12.52	6.28
	7.15	12.52	6.30

NOTES ON YESTERDAY'S WEATHER.

During yesterday the thermometer again rose to 55° and upwards in several parts of England, and to 59° at Greenwich and Camden Square. Considerable amounts of bright sunshine were recorded locally in the east and south-east of Great Britain. Rain fell over England and Ireland, and snow in the north of Scotland. A fresh to strong gale from the south-westward was experienced on nearly all parts of our coasts. Lightning was seen at night in the north of Ireland.

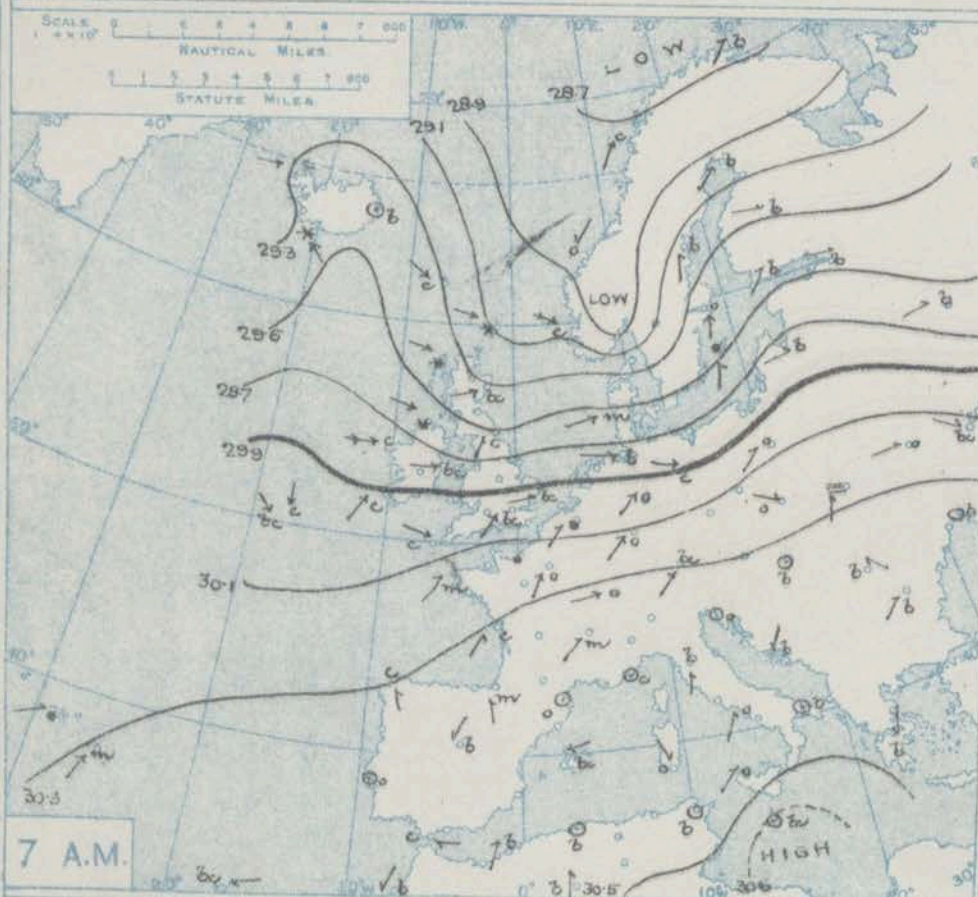
NOTE.—The information relating to weather is indicated by the following letters—b, blue sky; bc, sky half clouded; c, sky three parts clouded; d, drizzling rain; e, wet air, without rain falling; f, fog; g, gloom; h, hail; l, lightning; m, mist; o, overcast sky; p, passing showers; q, squalls; r, rain; 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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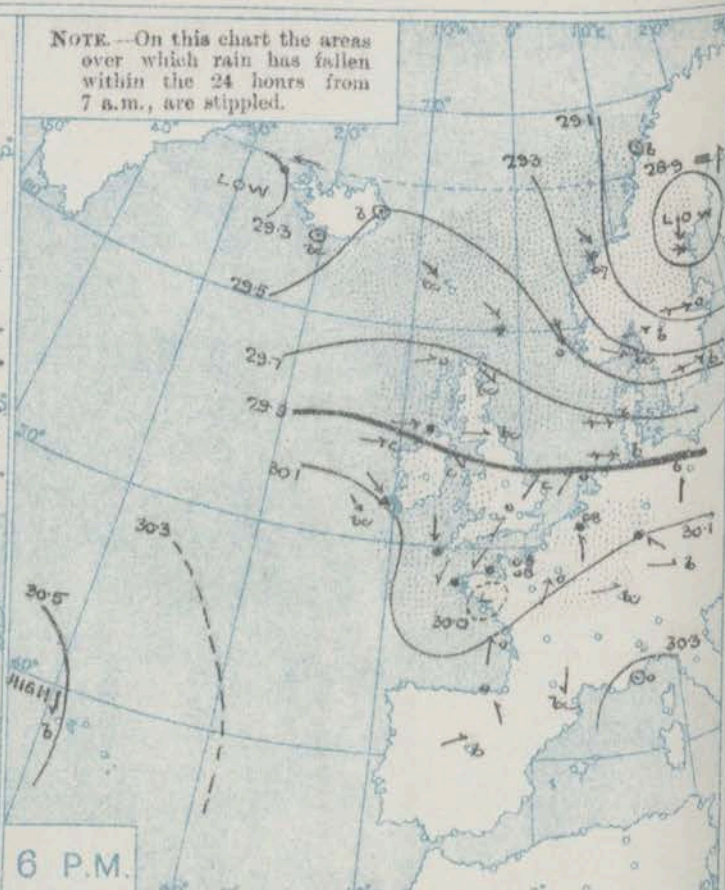
Saturday,
8th March, 1913.

* Information for these columns not usually received. † Received too late for insertion in *Chartis*.

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 7TH MARCH



NOTE.—On this chart the areas over which rain has fallen within the 24 hours from 7 a.m., are stippled.



GENERAL INFERENCE

The anticyclone to the south-westward will continue to spread eastward, and the weather is therefore likely to remain fair generally, with mist in places. Ground frost will be experienced

tonight in most districts.

WEATHER PROSPECTS.

FORECASTS FOR THE 24 HOURS NOON SATURDAY

TO NOON SUNDAY.

0 {
a North-Westerly to Westerly or
b South-Westerly winds, moderate; fair;
cold, frost tonight.

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

NO WARNINGS

ISSUED.

1 }
2 {
a Westerly and North-Westerly
b winds, light or moderate; fair;
3 }
4 {
a cold, ground frost inland
b tonight.
5 }

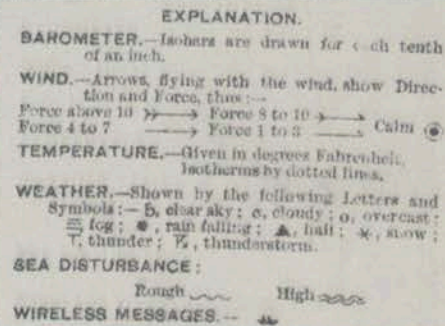
6 {
a Same as No. 0.
b }
7 {
a Same as Nos. 1 to 5.
b }
8 {
a }
b }
9 {
a Same as No. 0.
b }
10 {
a Same as Nos. 1 to 5.
b }

11 WESTERN CHANNEL AND BAY.

Fresh North-Westerly to Northerly winds, and a rather rough sea; fair cold, misty in places.

THE FURTHER OUTLOOK.

MARCH 1913



NOTES ON THE GENERAL SITUATION AT 7 A.M.

A large anticyclone to the south-westward of our Islands is spreading eastwards, and the barometer is rising over western Europe generally. A depression is passing eastward across Lapland, and another disturbance is moving northwards across western Iceland.

Westerly to north westerly winds are now reported over western Europe generally, and blow strongly or with the force of a gale in the south of Scandinavia. Temperature has fallen generally, and is now below 40° in all but the extreme south-western parts of the United Kingdom.

Slight frost prevails over eastern and central Scotland, as well as in Iceland, and hard frost in the north of Sweden. The weather is fair or fine over western Europe generally, but an overcast sky prevails in Belgium and Germany, and rain is falling at Brussels. Snow is reported at Lerwick and Christiansund. The sea is rather rough on the more exposed parts of our western coasts, moderate or slight elsewhere.

DAILY WEATHER REPORT.

Saturday, 8th March 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
8th 7 a.m.	51	13	<i>Carisathia</i>	O	30.48	+0.6	WNW	4-5	bc										
7th 6 p.m.	51	11	<i>Montcalm</i>	O	29.96	+0.5	NW	4-5	bc	7th 7 a.m.	50	13	<i>Royal Edward</i>	O	29.96	+0.6	NW	6-7	bc
" 1 p.m.	51	14	<i>Tautonic</i>	H	30.06	0.0	NW	4-5	bc	" "	51	17	<i>Tautonic</i>	H	29.99	+0.2	N	6-7	c

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.	Oban	0.42	43	35	bc, rh	clg, cy	0.3	England, S.E.	Margate	0.02	50	41	oc	c, o	0.1
	Stonehaven	0.40	45	33	b	b	4.9		Ramsgate	0.04	50	41	sp, m	bc, og	0.2
	St. Andrews	0.23	44	34	bc, b	bc, b	6.2		Deal	0.05	47	42	bc, o	or, o	0.0
	Carnoustie	0.23	44	36	bc	bc	7.7		Folkestone	0.14	49	42	op, c	ed	0.0
England, N.E.	Harrogate	0.29	46	39	og, c	c, u	6.1	England, S.W.	Littlestone	0.08	51	47	og	og, d	0.5
	Scarborough	0.17	46	40	bc, b	bc, o	7.0		Hastings	0.09	49	42	or	c, o	0.1
	Blackpool	0.26	44	33	bc	bc, s	3.5		Bexhill-on-Sea	0.01	49	44	b, bc	or	0.2
	Southport	0.15	46	36	bc	bc, b	4.3		Eastbourne	0.04	48	43	o, c	od	0.1
England, N.W.	Buxton	0.20	47	39	bc	bc, b	5.3	England, S.W.	Seaford	0.05	45	43	bc, c	e, do	0.5
	Matlock	0.09	47	42	ro, c	c, bc	2.2		Brighton	0.06	49	42	bc, c	c	0.1
	Douglas	0.02	50	40	bc, bc	bc, o	5.8		Worthing	0.06	48	43	o	c, o	0.0
	Rhyl	0.06	51	41	bc, o	bc, o	5.2		Littlehampton	0.17	54	42	op	op	0.0
Wales.	Colwyn Bay	0.04	48	41	bc	bc	2.0	England, S.W.	Bognor	0.09	47	41	cp, c	c	0.0
	Llandudno	0.04	48	41	bc	bc	2.0		Southsea	0.09	47	41	cp, c	c	0.0
	Bettws-y-Coed	0.04	48	41	bc	bc	2.0		Bournemouth	0.09	47	41	cp, c	c	0.0
	Aberystwyth	0.04	48	41	bc	bc	2.0		Weymouth	0.09	47	41	cp, c	c	0.0
England, E.	Lowestoft	0.04	48	41	bc	bc	2.0		Teignmouth	0.09	47	41	cp, c	c	0.0
	Felixstowe	0.04	48	41	bc	bc	2.0		Torquay	0.09	47	41	cp, c	c	0.0
	Walton-on-Naze	0.04	48	41	bc	bc	2.0		Paignton	0.09	47	41	cp, c	c	0.0
	Southend-on-Sea	0.04	48	41	bc	bc	2.0		Ilfracombe	0.09	47	41	cp, c	c	0.0

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.		Rainfall.	WEATHER.			Sunshine for Yesterday.	Hr.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.			Sunshine for Yesterday.	Hr.
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.	Min. on Grass.		Forenoon.	Afternoon.	Night.					In Screen.	Night Min. on Grass.	Night.	Forenoon.	Afternoon.		
	%	%	Max.	Min.		24 HOURS ENDED 9 A.M. TO-DAY.							Max.	Min.					
Greenwich (Royal Obs.)	59	77	50	33	28	-	b, bc	o, c	c, o	3.1	Dublin to 4 p.m.	0.24	45	36	32	p, b	bc, b	bc	0.0
City (Sunhill Row)	"	"	"	"	"	"	"	"	"	1.4	Plymouth to 9 p.m.	0.06	51	40	33	b, or	bc	b	2.6
Westminster (St. James's Pk.)	70	83	50	34	29	-	bc	bc	bc	1.9	Darwen	0.07	44	34	32	bc	or, u	b, p	3.7
Camden Sq. (Brit. Rainfall)	60	78	51	32	29	-	bc	bc, o	c, b	2.8	Manchester	0.04	45	37	"	b	or, bc	c, o	2.5
Hampstead (Reservoir)	"	79	48	31	26	-	bc	bc	b	2.4	Birmingham	0.05	46	36	28	b	-	c, o	"
Kew. (See front page.)											Oxford to 8 p.m.	"	51	46	34	o, b	bc, m	cm, o	"
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.											S. Kensington (Museum Grounds to 6 p.m.)	0.10	62	42	35	o	bc	o	"
			Total.		Average Rate.		Max. Rate.												
S. Kensington (Roof of M.O.)			59.2 Joules.		14.9 Milliwatts.		37.5 Milliwatts.		1.5										

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

8th March 1913.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	6.26	12.44	5.41
	6.24	12.44	5.43
Greenwich	6.33	12.41	5.49
	6.31	12.41	5.51
Wick	6.51	12.23	5.54
	6.49	12.23	5.56
Valencia	7.15	12.52	6.30
	7.13	12.52	6.32

NOTES ON YESTERDAY'S WEATHER.

The maximum temperatures recorded yesterday were lower than of late, but on some parts of our east and south-east coasts the thermometer reached or slightly exceeded 50°. Ground frost occurred at night in most districts. Snow and hail showers were experienced in several parts of our northern districts, a thunder storm occurred at Oban, and lightning was seen at Malin Head. Barometer reports show that as far west as the 18th meridian ships experienced strong high winds from the North-Westward, with fair weather.

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.

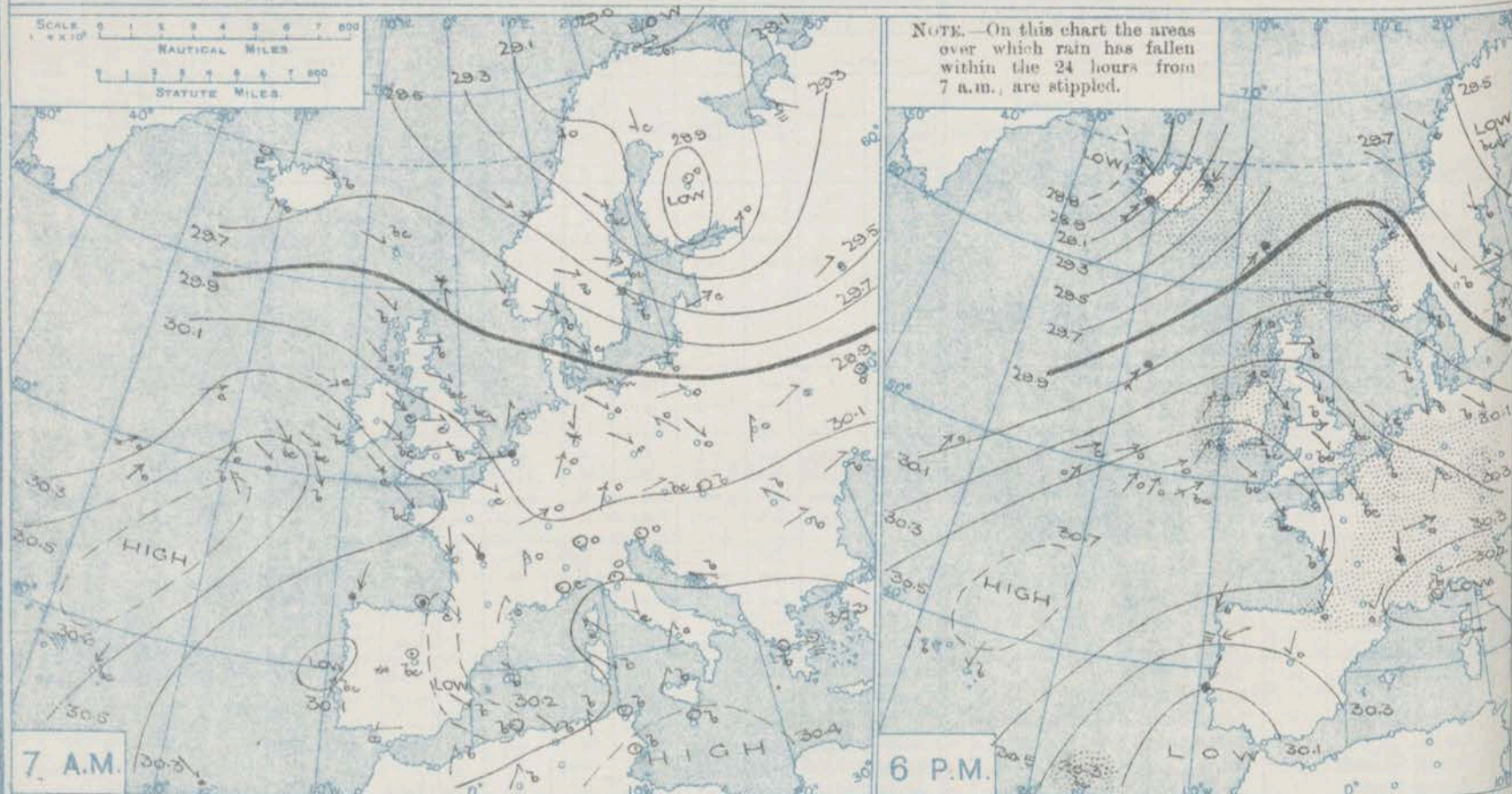
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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Sunday,
9th March, 1913.

1913.																						
STATIONS		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
		BAROM.		TEMP.		WIND.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.				
		At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Force (0 to 12).	Weather.		At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						Dir.	Force (0 to 12).	Weather.	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	
Spitzbergen.		29.12	10	-	0	0	29.15	+0.1	17	-	N	3	S	2	-	17	3	-	-	-	-	
Lerwick ...		30.03	37	WSW	3	c	29.77	-0.9	43	+10	S	6	r	5	0.16	43	32	beps	ep	ondg	Hours	
Stornoway ...		30.15	42	SW	5	o	29.84	-1.1	46	+10	SSW	6	r	5	0.27	46	36	bc	bc-o	org	6.5	
Castlebay (Barra Isd.)		30.25	44	WSW	4	op	29.91	-0.8	47	+8	SW	4	r	5	0.15	47	36	rel. bc	h. b. p. q.	op r	6.0	
Malin Head...		30.32	43	SW	4	cq	30.05	-0.08	39	0	SW	3	r	6	0.18	45	35	bcq	bcq	org	*	
Blacksod Point ...		30.29	45	SW	6	o	30.14	-0.3	46	+5	SW	6	r	4	0.18	46	36	omp	om	omp	*	
Valencia ...		30.56	46	SW	4	o	30.42	-0.2	47	+5	SW	4	om	5	0.02	49	40	bc	c	op	4.7	
Roche's Point ...		30.56	47	WNW	2	c	30.46	*	46	+8	WSW	3	o	4	0.02	50	37	bc c	c	op c	*	
Birr Castle ...		30.16	46	W	2	c	30.33	*	44	+12	SW	3	*	*	0.02	49	32	bc	cp	o	6.9	
Donaghadee ...		30.40	43	WNW	2	c	30.23	-0.05	43	+9	SSW	2	r	3	0.12	46	34	bcq	bcu	o. er	*	
Liverpool Obsy. ...		30.43	41	W	10	b	30.41	-0.05	42	+5	SW	3	o	3	0.05	44	37	bcq	bc	o	4.7	
Holyhead ...		30.44	44	NW	5	c	30.38	-0.02	45	+8	W	5	o	4	0.02	45	39	bc	egp	om	*	
Pembroke (St. Ann's Hd.)		30.52	45	WNW	3	bc	30.50	-0.04	46	+6	WSW	5	agpq	4	Trace	47	40	bc	bc	bc	8.8	
Newquay ...		30.57	45	NW	5	b	30.60	0.0	46	+3	W	4	ogv	4	-	47	42	bu	bu	bu. o	6.9	
Scilly (St. Mary's) ...		30.59	46	NW	4	bc	30.59	-0.01	47	+4	W	5	c	5	-	50	42	bc	bc	bc	9.2	
Jersey (St. Aubin) ...		30.53	47	NW	3	c	30.68	*	38	-3	WNW	3	bc	3	-	49	38	bc. b.	bc	bcu	9.2	
Portland Bill ...		30.48	46	NW	5	b	30.60	0.0	45	+5	WSW	4	c	4	-	48	39	bc	bc	bcu	*	
Dungeness ...		30.40	39	M	2	c	30.56	+0.2	41	+7	SSW	3	c	2	-	47	31	c	cp	bcu	*	
Dover ...		30.40	37	NW	4	bc	30.58	*	40	+4	SW	2	bc	4	0.02	45	34	b	b. p. bc	bc	8.4	
Wick ...		30.16	37	W	4	c	29.88	-0.8	41	+9	WSW	5	o	4	0.06	42	31	casq	opq. c	ogom	*	
Nairn ...		30.20	39	WSW	1	bc	29.96	*	44	+12	WSW	3	c	2	0.05	44	31	s. b. bc	bc	cq	6.4	
Aberdeen ...		30.24	39	W	2	b	30.05	-0.03	43	+12	SSW	2	o	2	-	44	31	b. bcq	bcq. b.	b. o	9.2	
Leith ...		30.31	42	W	1	b	30.15	-0.04	43	+9	SSW	5	opq	*	Trace	45	33	b	b	b	8.5	
North Shields ...		30.32	42	WNW	3	bcq	30.28	-0.02	43	+9	SW	3	o	2	-	46	32	c	c	o	8.5	
Spurn Head ...		30.33	41	NW	2	c	30.39	-0.3	39	+2	WSW	5	cq	4	Trace	45	36	bcq	cpq. f	cpq	6.8	
Yarmouth ...		30.31	42	NW	2	bc	30.50	0.0	34	+1	WSW	2	b	1	-	45	32	bc	bc	b. c	7.8	
Clacton-on-Sea ...		30.35	40	W	4	c	30.54	0.0	37	+2	WSW	2	bc	2	0.03	46	34	b. bc	bcq. s	c. b. bc	8.3	
Nottingham...		30.40	42	WNW	4	b	30.45	*	39	+4	SW	3	bc	*	-	45	34	c. bcu	bcu. b	b	6.8	
Bath ...		30.49	44	NW	1	b	30.54	*	42	+8	WSW	1	or	*	-	50	34	-	-	-	6.8	
London (Kew Obsy.)...		30.45	44	NW	2	bc	30.56	*	37	+3	SW	2	om	*	0.01	46	34	en. bcu	en. bcu	bc. bcu	6.8	
Isafjord...		28.81	34	SE	5	o	28.87	+1.1	31	+6	W	8	o	*	*	*	*	GALES. Duration and Extreme Force on British Coasts.				
Reykjavik...		28.90	37	S	3	o	29.01	0.0	33	+5	SW	7	b	*	*	*	*					
Vestmanna...		29.06	37	SW	9	f	29.16	0.0	32	+2	NW	4	s	3	*	*	*					
Seydisfjord...		29.34	33	NE	4	s	29.03	+0.1	32	+2	-	0	b	*	*	*	*					
Thorshavn...		29.86	39	SW	4	r	29.45	-0.6	43	+11	WSW	5	o	*	*	*	*					
Haparanda...		29.42	25	N	4	bc	29.67	+0.4	15	+8	N	2	b	*	-	27	7	Malin Head. 11pm-7am. Extreme Sw. S.				
Hernösand...		29.58	32	N	2	b	29.88	+0.8	29	-3	-	0	b	*	-	26	27					
Stockholm...		29.66	32	W	2	b	29.95	+0.8	28	-4	NW	2	b	*	-	37	27	London (Kew Obsy.) 4.20pm. gust 40mph (S).				
Wisby...		29.75	35	W	4	b	30.00	+0.8	34	-1	NW	6	b	*	-	37	32					
Karlstad...		29.84	33	WNW	2	b	30.08	+0.4	30	-1	NW	2	b	*	-	39	28					
Færder (X'iania Fjord)		29.91	36	NW	2	b	30.11	+0.2	35	+1	WSW	4	b	2	-	39	32					
Bodö...		29.58	35	NW	2	c	29.65	-0.2	32	-3	SSW	2	bc	2	-	37	30					
Christiansund...		29.91	37	NW	4	c	29.78	-0.05	38	+6	S	2	o	6	0.20	38	32					
Skudesnaes...		30.09	36	W	2	o	30.08	-0.2	39	+5	SW	4	o	4	0.08	39	32					
The Scaw (Skagen)...		29.99	37	NW	7	b	30.14	+0.2	37	+2	WNW	3	b	1	-	39	34					
Blaavands Huk...		30.21	37	NW	2	b	30.34	+0.4	37	+1	W	2	b	2	-	41	36					
Cuxhaven...		30.22	37	N	1	b	30.41	+0.4	36	-1	SW	2	bc	*	-	43	36					
The Helder...		30.28	39	WNW	3	c	30.50	+0.1	41	+3	SW	3	b	2	0.04	43	37					
Brussels...		30.39	37	WNW	2	b	30.60	+0.05	31	-4	SW	1	b	*	Trace	45	30					
Berlin...		30.15	39	NW	2	b	30.42	+0.7	33	-7	NW	3	b	*	Trace	45	32					
Frankfurt...		30.35	38	SW	2	c	30.56	+0.7	37	-12	W	1	c	*	*	50	34					
Munich...		30.33	34	W	5	s	30.56	+0.5	31	-11	W	4	c	*	0.12	52	30					
C. Gris Nez...		30.41	40	NW	5	bc	30.59	+0.3	41	-12	W	4	c	3	Trace	45	39					
La Hève...		30.53	42	NW	4	b	30.61	*	41	+2	WNW	1	o	1	-	50	37					
Brest (St. Mathieu)...		30.63	46	WNW	3	bc	30.73	0.0	46	+2	WNW	2	bc	3	-	48	43					
Lorient (Bec Melon)...		30.64	45	NW	3	b	30.68	*	45	+4	N	1	b	2	-	54	39					
Rochefort (Ile d' Aix)		30.54	48	NNE	4	b	30.71	*	43	-2	N	3	b	3	-	52	43					
Biarritz...		30.49	53	NE	2	o	30.70	*	40	-10	ESE	3	b	3	0.08	52	37					
Paris...		30.44	42	NW	3	b	30.65	+0.5	30	-10	SSW	1	b	*	Trace	51	29					
Belfort...		30.36	36	WSW	4	o	30.70	*	28	-22	? SW	2	c	*	0.16	54	27					
Lyons...		30.46	38	N	1	r	30.62	*	33	-14	N	3	o	*	0.24	57	33					
Nice...		30.44	49	-	0	b	30.00	+1.3	41	-6	E	1	c	4	Trace	55	39					
Perpignan...		30.30	53	NE	2	o	30.53	+0.4	43	-7	NW	5	b	6	Trace	62	41					
Sanguinaire...		30.31	54	W	4	om	30.09	*	47	-6	WNW	8	bc	6	-	59	46					
Corunna (8 a.m.)...		30.42	50	NE	6	o	30.63	0.0	45	-2	ENE	1	b	3	-	54	41					
Lisbon (9 a.m.)...		30.09	55	NNE	4	r	30.38	+0.4	52	-5	NNE	5	bc	5	-	61	52					
Gibraltar...		30.25	55	SE	1	bc	30.32	*	56</													

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 8TH MARCH



GENERAL INFERENCE

WEATHER PROSPECTS.

FORECASTS FOR THE 24 HOURS NOON

Sunday

TO NOON Monday

0 {
a
b

1

2 {
a
b

3

4 {
a
b

5

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Coast.	South Coast.
North Coast.	North Coast.

South Coast hoisted at 7 p.m. yesterday in parts of Kent and of Essex's day in last remainder of O.

6 {
a
b

7 {
a
b

8 {
a
b

9 {
a
b

10 {
a
b

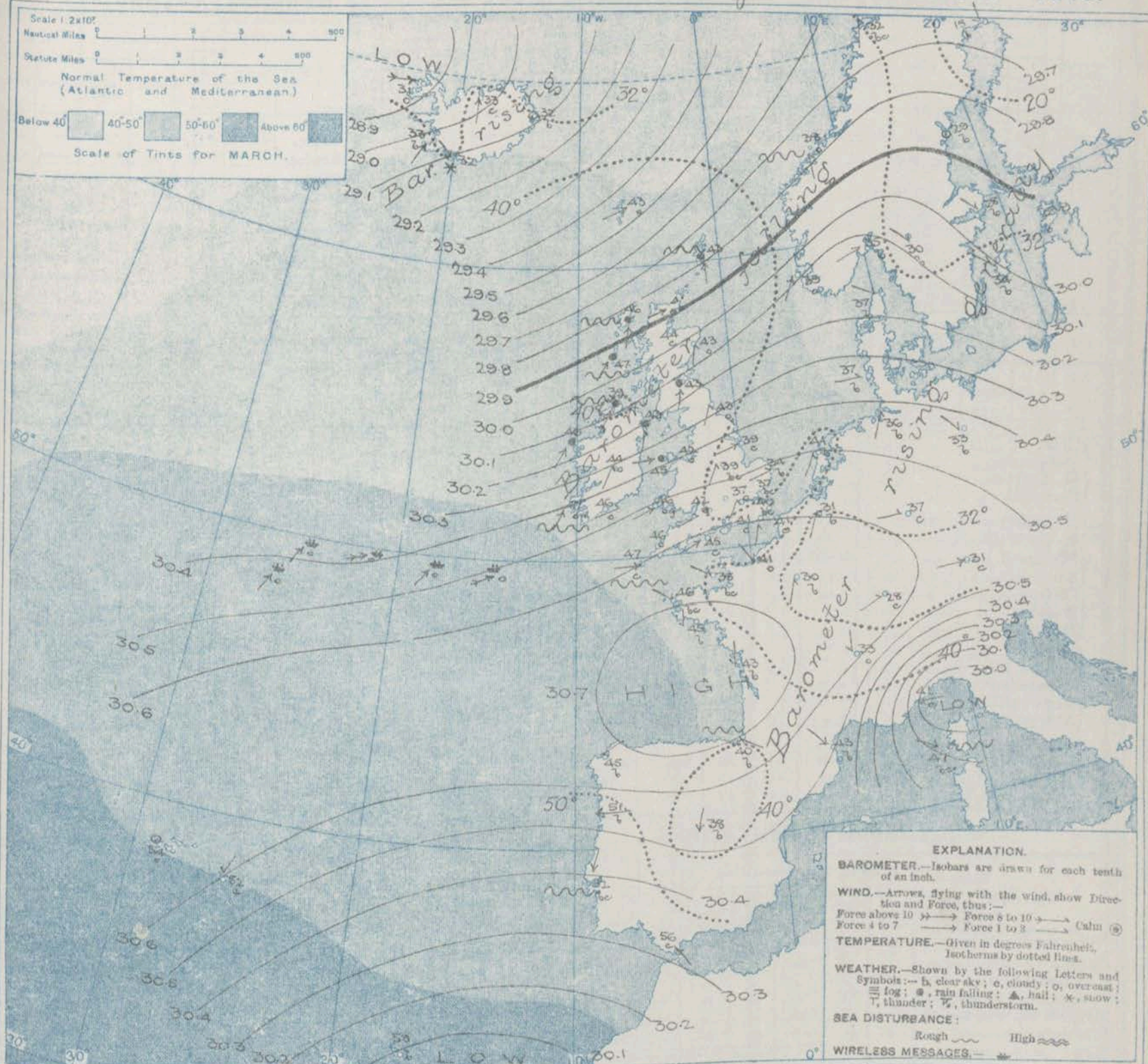
11 WESTERN CHANNEL AND BAY.

THE FURTHER OUTLOOK.

None Issued.

None Issued.

SYNOPTIC CHART FOR 7 A.M. Sunday, 9th MARCH 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure is above 30.6 in. in a large anticyclone extending from beyond the Azores to the south-west of Germany, the highest readings being above 30.7 in. over the Bay of Biscay and the adjacent part of France. In the north-west of Iceland the barometer is below 28.9 in. and over the Gulf of Genoa below 30.0 in.

Over the British area and thence to Iceland the wind is mainly South-Westerly, and moderate to fresh in force. On our north-western coasts, however, it is strong, with a gale at Malin Head; strong winds or gales prevail in the west of Iceland also.

Wireless reports show that gales and strong winds from the South-Westward are general on the Atlantic as far west as the 25th meridian. Temperature has risen in these Islands, fallen in France and Germany. At our own stations the readings range from 46° or 47° on various points of the western seaboard to 34° at Great Yarmouth. Rain is falling at Bath and in several places in the north-west and north of the United Kingdom, and except at some stations in the midland and south-eastern counties the sky is very cloudy or quite overcast. Fine, bright weather is general over the major portion of the Continent.

DAILY WEATHER REPORT.

Sunday, 9th March 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Direc.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Direc.	Force.		
					In.	In.	(0-12).								In.	In.	(0-12).			
8th 6 p.m.	48	32	Royal Edward.	O	30.06	-0.05	SSW	6-7	O	8th 7 a.m.	48	25	Ausonia.	H	30.52	0.00	SW	6-7	O	
" 8 p.m.	49	20	Ausonia.	H	30.50	-0.02	SW	6-7	O	" "	53	21	Columbia.	H	30.35	-0.01	WSW	6-7	O	
" 8 p.m.	50	20	Baltic.	O	30.42	-0.04	WSW	4-5	C	" "	49	19	Montfort.	H	30.60	+0.03	SE	1-2	C	
" 8 p.m.	50	16	Columbia.	H	30.18	-0.06	SW	8-9	C	" "	50	19	Tunisian.	H	30.58	0.00	SW	1-3	O	
" "	50	16	Garpatha.	O	30.56	-0.03	WSW	6-7	O	" "	50	17	Germania.	H	30.59	+0.02	WNW	1-3	O	
" "	50	16	Montcalm.	O	?	-0.02	WSW	6-7	C	" "	51	14	Montcalm.	O	30.26	+0.07	NW	4-5	O	
" "	49	18	Montfort.	H	30.69	-0.02	SW	6-7	O	" "	50	14	Baltic.	O	30.42	+0.04	NW	4-5	O	
" "	49	14	Montrose.	O	30.67	0.00	SW	6-7	O	" "	50	13	Garpatha.	O	30.48	+0.09	WNW	4-5	O	
" "	50	12	Germania.	H	30.65	-0.01	WSW	4-5	O	" "	49	12	Montrose.	O	30.49	+0.07	NNW	4-5	O	
" "	49	10	Montrose.	O	30.60	-0.06	WSW	8-9	O	" "	6 p.m.	50	15	Tunisian.	H	30.61	-0.01	WSW	6-7	O
" 7 a.m.	49	27	Royal Edward.	O	30.15	-0.04	SW	8-9	O											

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.	Oban	In.						England, S.E.	Margate	In.					
	Stonehaven								Ramsgate						
	St. Andrews								Deal						
	Carnoustie								Folkestone						
England, N.E.	Harrogate		45	32	bc	bc	8.7	England, S.W.	Littlestone						
	Scarborough								Hastings						
	Blackpool	0.02	44	36	c	c	5.7		Bexhill-on-Sea						
	Southport	0.02	45	37	bc	bc	6.8		Eastbourne						
England, N.W.	Buxton	0.24	40	31	bc	bc	3.5	England, S.W.	Seaford						
	Matlock								Brighton						
	Douglas								Worthing						
	Rhyl								Littlehampton						
Wales.	Colwyn Bay		43	37	bc	c	6.3	England, S.W.	Bognor						
	Llandudno								Southsea						
	Bettws-y-Coed								Bournemouth	0.02	49	35	b	b	10.0
	Aberystwyth	0.03	46	38	c	c	7.2		Weymouth	0.07	48	35	b	b	9.5
England, E.	Lowestoft							England, S.W.	Teignmouth	0.03	49	36	b	b	9.7
	Felixstowe	0.02	46	33	bc	bc	7.1		Torquay		49	36	b	b	9.1
	Walton-on-Naze	0.01	46	37	bc	bc	6.7		Paignton	0.02	49	36	b	b	7.5
	Southend-on-Sea	0.06	46	34	bc	bc	7.3		Ilfracombe	0.03	47	40	bc	bc	
									Weston-super-Mare						

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.		Rainfall.	WEATHER.		Sunshine for Yesterday.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine for Yesterday.
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.	Min. on Grass.		Forenoon.	Afternoon.				In Screen.	Night Min. on Grass.	Night.	Forenoon.	
	%	%	Max.	Min.		24 HOURS ENDED 9 A.M. TO-DAY.					Max.	Min.			
Greenwich (Royal Obs.)	76	84	46	33	0.03	bc	bc	4.2	Dublin to 4 p.m.	0.05	46	33	bc	bc	9.0
City (Bunhill Row)								4.2	Plymouth to 9 p.m.	0.01	49	37	bc	bc	9.6
Westminster (St. James's Pl.)	81	98	48	34	0.03	bc	bc	4.5	Darwen	0.17	40	32	bc	bc	2.0
Camden Sq. (Brit. Rainfall)	89	84	48	32	0.04	bc	bc	5.7	Manchester	0.08	44	36	bc	bc	7.1
Hampstead (Reservoir)		91	46	32	0.03	bc	bc	6.0	Birmingham		46	33	bc	bc	
Kew. (See front page.)									Oxford to 8 p.m.		43	32	bc	bc	
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETER DURING YESTERDAY.															
Total.			Average Rate.		Max. Rate.				S. Kensington (Museum Grounds to 6 p.m.)						
735 Joules.			18.1 Milliwatts.		4.5 Milliwatts.				0.01 47 34 26 cp bm c						

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

9th & 10th March 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 6.24 L.M.T. 6.22	G.M.T. 12.4 L.M.T. 12.4	G.M.T. 5.43 L.M.T. 5.46
Greenwich	G.M.T. 6.31 L.M.T. 6.29	G.M.T. 12.11 L.M.T. 12.11	G.M.T. 5.51 L.M.T. 5.53
Wick	G.M.T. 6.49 L.M.T. 6.47	G.M.T. 12.23 L.M.T. 12.23	G.M.T. 5.56 L.M.T. 5.59
Valencia	G.M.T. 7.13 L.M.T. 7.11	G.M.T. 12.52 L.M.T. 12.52	G.M.T. 6.32 L.M.T. 6.34

During yesterday temperature rose to between 45° and 50° in most parts of these Islands; at night it fell to 32° or slightly lower in some localities in central Ireland and the east and north of Britain. Bright sunshine was very abundant in almost all districts, the record being more than 8 hours over a large area, more than 9 hours at Aberdeen and some southern stations, and 10 hours at Bournemouth. Rain was experienced in the west and north and showers and squalls of rain, sleet or snow locally in England. According to wireless reports fresh to strong winds from S.W. prevailed as far west as the 32nd meridian, with cloudy or overcast weather.

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.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Monday,
10th March, 1913.

10th March, 1913.																						
STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shine for Yester- day.
	BAROM.		TEMP.		WIND.	BAROMETER.		TEMP.		WIND.		Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.					
	At 32° Fabr. and M.S.L. Lat. 45°.	Dry Bulb.	Direc.	Force (0 to 12).		Weather.	At 32° Fabr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.	Direc.				Force (0 to 12).	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night, 6 p.m. to 7 a.m.		
	29.10	49	SW	2	bc	29.03	-0.07	44	-1.3	3	1	o	-	7	44	-11	-	-	-	-	Hours	
Lerwick ...	29.26	47	S	6	r	29.46	+1.2	41	-2	WSW	9	c	7	0.52	47	38	org	omrg	epq	*		
Stornoway ...	29.49	51	WSW	7	opq	29.90	+0.8	40	-6	W	7	bc	6	0.40	51	36	org	opq	obp	0.0		
Castlebay (Barra Isd.) ...	29.67	50	SW	7	op	30.24	+0.5	44	-3	WNW	6	c	6	0.05	50	37	r	rop	opb	0.0		
Malin Head ...	29.77	49	W	8	c	30.13	+0.6	42	+3	WNW	6	cg	6	0.05	50	41	odq	epq	cpq	*		
Blacksod Point ...	29.99	49	SW	7	m	30.23	+0.3	44	-2	W	4	o	3	0.08	49	43	omrg	omrg	omrg	*		
Valencia ...	30.29	49	SW	5	m	30.26	+0.2	46	-1	WNW	1	amp	4	0.09	50	46	om	omd	omrg	0.0		
Roche's Point ...	30.34	49	W	5	o	30.37		46	0	-	0	o	2	0.02	50	45	ome	o	od.	*		
Birr Castle ...	30.47	49	SW	5	o	30.29		42	-2	SW	1	c	*	0.13	50	41	op	o	or.c	0.0		
Donaghadee ...	30.04	50	SSW	4	o	30.21	+0.7	40	-3	SSW	2	c	2	0.10	50	40	cg	ogq	opq	*		
Liverpool Obsy. ...	30.22	47	WSW	5	o	30.27	+0.5	46	+4	WSW	4	o	4	0.10	49	42	or	og	od	0.0		
Holyhead ...	30.21	47	W	6	o	30.29	+0.3	45	0	W	5	c	4	0.20	48	41	org	ogm	om	*		
Pembroke (St. Ann's Hd.) ...	30.39	47	WSW	6	o	30.33	+0.1	47	+1	WSW	4	fd	5	0.03	49	45	ogq	egq	ogq	0.0		
Newquay ...	30.51	48	WSW	5	o	30.45	-0.0	47	+1	SW	5	of	4	0.01	48	46	og	og	ogq	0.0		
Scilly (St. Mary's) ...	30.50	48	WSW	6	emq	30.46	-0.2	48	+1	W	5	cm	5		50	42	c	emq	cg	0.2		
Jersey (St. Aubin) ...	30.63	48	WSW	4	c	30.55		47	+9	WSW	5	og	4		52	38	om.c	o.c.	Cog	2.0		
Portland Bill ...	30.48	47	WSW	5	c	30.41	-0.1	48	+3	WSW	6	c	5		48	45	c	c	c.bcc	*		
Dungeness ...	30.46	47	SW	5	c	30.34	-0.3	47	+6	SW	6	ow	5	Trace	49	40	c	sp	c.o	*		
Dover ...	30.50	45	SW	5	o	30.37		46	+6	SW	4	o	3	Trace	47	45	b.c.c.	c.o.	c.b.c	3.4		
Wick ...	29.48	51	SW	4	bc	29.79	+0.8	37	-4	W	3	cg	4	0.08	52	35	emq	c.b.c	o.cq	*		
Nairn ...	29.53	49	W	9	r	29.89		37	-7	W	4	o	3	0.15	53	35	cg	og	og	1.9		
Aberdeen ...	29.70	51	SSW	4	c	29.93	+0.6	38	-5	WSW	4	b	2	0.10	52	38	or.cq	o.cq	cg.cq	0.0		
Leith ...	29.81	49	SW	6	o	30.08	+0.1	41	-2	WSW	4	bc	*	0.03	52	40	cg.bc	bc.c.o	o.cq	*		
North Shields ...	30.03	48	SW	5	o	30.10	+0.8	43	0	WSW	4	cp	2	0.01	51	39	c	r	o	0.0		
Spurn Head ...	30.22	46	WSW	4	c	30.20	+0.9	44	+5	W	2	c	2	0.01	47	37	epq	c.o	c	0.0		
Yarmouth ...	30.37	46	SW	3	o	30.24	+0.1	47	+13	W	2	c	1		49	33	b.c.o	op	b.c.c.	2.6		
Clacton-on-Sea ...	30.43	46	SW	4	o	30.31	0.0	47	+10	WSW	4	o	3		49	36	b.c.c.	og	og	2.4		
Nottingham ...	30.27	47	SW	6	o	30.24		47	+8	WNW	3	opm	*	0.02	48	39	b.c.p	o	o	0.1		
Bath ...	30.43	45	SW	7	o	30.28		47	+5	WSW	3	x	*	0.01	49	42				0.0		
London (Kew Obsy.) ...	30.44	47	WSW	4	o	30.36	-0.0	47	+10	WSW	4	o	*		49	37	om.o	o	o	0.1		
Isafjord ...	28.88	32	W	2	S								*	*	*	*						
Reykjavik ...	28.97	35	SW	3	o								*	*	*	*						
Vestmanna ...	29.01	31	WNW	4	o								*	*	*	*						
Seydisfjord ...	28.97	36	SW	2	o								*	*	*	*						
Thorshavn ...	28.94	45	SSW	5	T								*	*	*	*						
Haparanda ...	29.56	18	SW	2	o	29.01	-0.7	28	+13	SSW	6	S	*	0.12	28	14						
Hernösand ...	29.63	33	E	4	o	29.01	-0.1	35	+6	SE	2	o	*	0.12	39	27						
Stockholm ...	29.96	34	W	2	b	29.36	-0.2	36	+8	SSW	6	o	*	0.04	39	28						
Wisby ...	30.12	37	WNW	2	b	29.60	-0.2	36	+2	SW	8	r	*	0.16	37	32						
Karlstad ...	29.92	36	SW	6	o	29.32	-0.4	41	+11	SW	2	bc	*	0.04	43	30						
Færder (X'ania Fjord) ...	29.90	38	SSW	6	m	29.39	+0.3	40	+5	WSW	7	b	4		40	34						
Bodö ...	29.17	37	SSW	4	o	28.73	-0.4	36	+4	ENE	3	o	2	0.32	37	30						
Christiansund ...	29.24	45	S	1	o	28.88	-0.8	38	0	SW	6	o	6	0.24	45	37						
Skudesnaes ...	29.75	40	SSW	8	r	29.53	0.0	42	+3	W	9	c	7	0.75	41	39						
The Scaw (Skagen) ...	30.00	40	WSW	5	T	29.58	+0.6	42	+5	W	7	m	2	0.16	43	36						
Blaavands Huk ...	30.13	40	WSW	4	r	29.88	0.0	42	+5	W	6	m	5	0.04	41	36						
Cuxhaven ...	30.37	41	SW	4	b	30.07	-0.8	43	+7	WSW	7	r	*	0.12	45	36						
The Helder ...	30.37	43	SSW	5	o	30.22	-0.2	44	+3	SW	5	o	3		45	41						
Brussels ...	30.54	44	SW	4	o	30.42	-0.1	43	+12	SW	4	r	*	Trace	48	31						
Berlin ...	30.45	39	SW	3	c	30.25	-0.7	37	+4	SW	4	o	*	Trace	45	24						
Frankfurt ...	30.61	36	SSW	1	b	30.49	-0.3	37	0	SW	4	f	*		50	36						
Munich ...	30.68	34	W	3	c	30.67	-0.1	39	-2	SW	4	c	*	0.04	36	27						
C. Gris Nez ...	30.51	45	SW	6	o	30.38	-0.1	46	+5	SW	6	o	6		48	36						
La Hève ...	30.57	44	W	3	o	30.51		44	+3	WSW	4	c	4		50	41						
Brest (St. Mathieu) ...	30.67	49	SW	4	c	30.60	-0.1	48	+2	WSW	3	o	3		52	45						
Lorient (Bec Melou) ...	30.65	49	W	4	c	30.56		48	+3	WSW	3	o	2		55	39						
Rochefort (Ile d'Alx) ...	30.71	47	NW	3	bc	30.67		40	-3	NNE	3	b	3		52	39						
Biarritz ...	30.67	48	NNE	4	b	30.60		36	-4	E	1	b	2		52	31						
Paris ...	30.63	48	SSW	2	o	30.58	+0.1	40	+10	SSW	2	o	*		52	30						
Belfort ...	30.67	37	ENE	2	c	30.71		31	+3	W	2	o	*		43	37						
Lyon ...	30.67	39	NNE	3	b	30.68		33	0	NW	1	bc	*		44	30						
Nice ...	30.29	47	ENE	4	b	30.47	+0.6	43	+2	-	0	b	2		59	37						
Perpignan ...	30.53	50	NW	4	b	30.57	+0.3	46	+3	NW	2	b	1		53	42						
Sanguinaire ...	30.16	45	NNW	6	m	30.39		47	0	ENE	3	m	4		48	41						
Corunna (8 a.m.) ...																						
Lisbon (8 a.m.) ...																						
Gibraltar ...																						
Azores (P. Delgada) ...																						

GALES.

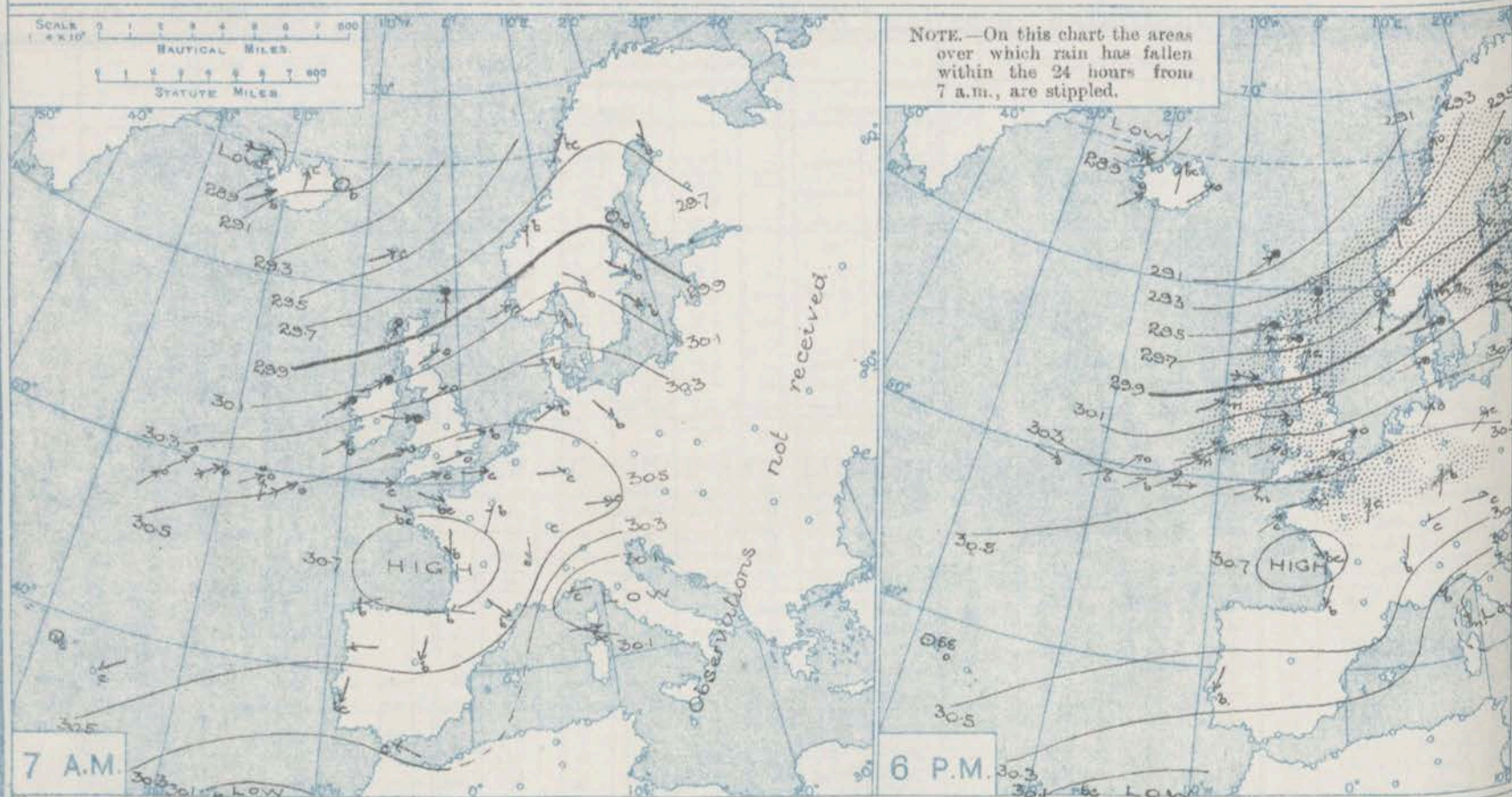
Duration and Extreme Force
on British Coasts.

Lerwick
10 a.m. - 10 p.m. Extreme WSW g.
Stornoway
Night. Squalls force g.
Malin Head
10 a.m. - 10 p.m. Extreme in
squalls SW - WNW. 8.
Wick
Night squalls SW. 8.
Aberdeen
9 p.m. - Extreme SW. 8 (Squalls)

* Information for these columns not usually received.

† Received too late for insertion in Charts.

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 2ND MARCH



GENERAL INFERENCE

The depression in the far north is likely to travel eastward. Small secondary depressions will pass in a similar direction across the United Kingdom, and the weather

WEATHER PROSPECTS.

will, therefore, remain in a changeable, showery condition generally, but with fair intervals in most districts.

FORECASTS FOR THE 24 HOURS NOON MONDAY TO NOON TUESDAY.

0 { ^a Westerly and South-Westerly winds strong to a gale at first, but moderating later; squally, some hail or sleet showers.

1 { Westerly winds, moderate or fresh; changeable, some showers, fine intervals; rather cold.

2 { ^a ^b

3 { Westerly winds, moderate or

4 { ^a fresh; cloudy at first, with
^b local showers, fair later;

5 { rather cooler.

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

SOUTH CONE HOISTED in Districts 0 and 1, at 8.30 a.m. yesterday.

6 { ^a ^b

7 { ^a Westerly and North-Westerly
^b winds, backing later; change-

8 { ^a able, some showers, fine
^b intervals. Becoming temporarily

9 { ^a cooler.
^b

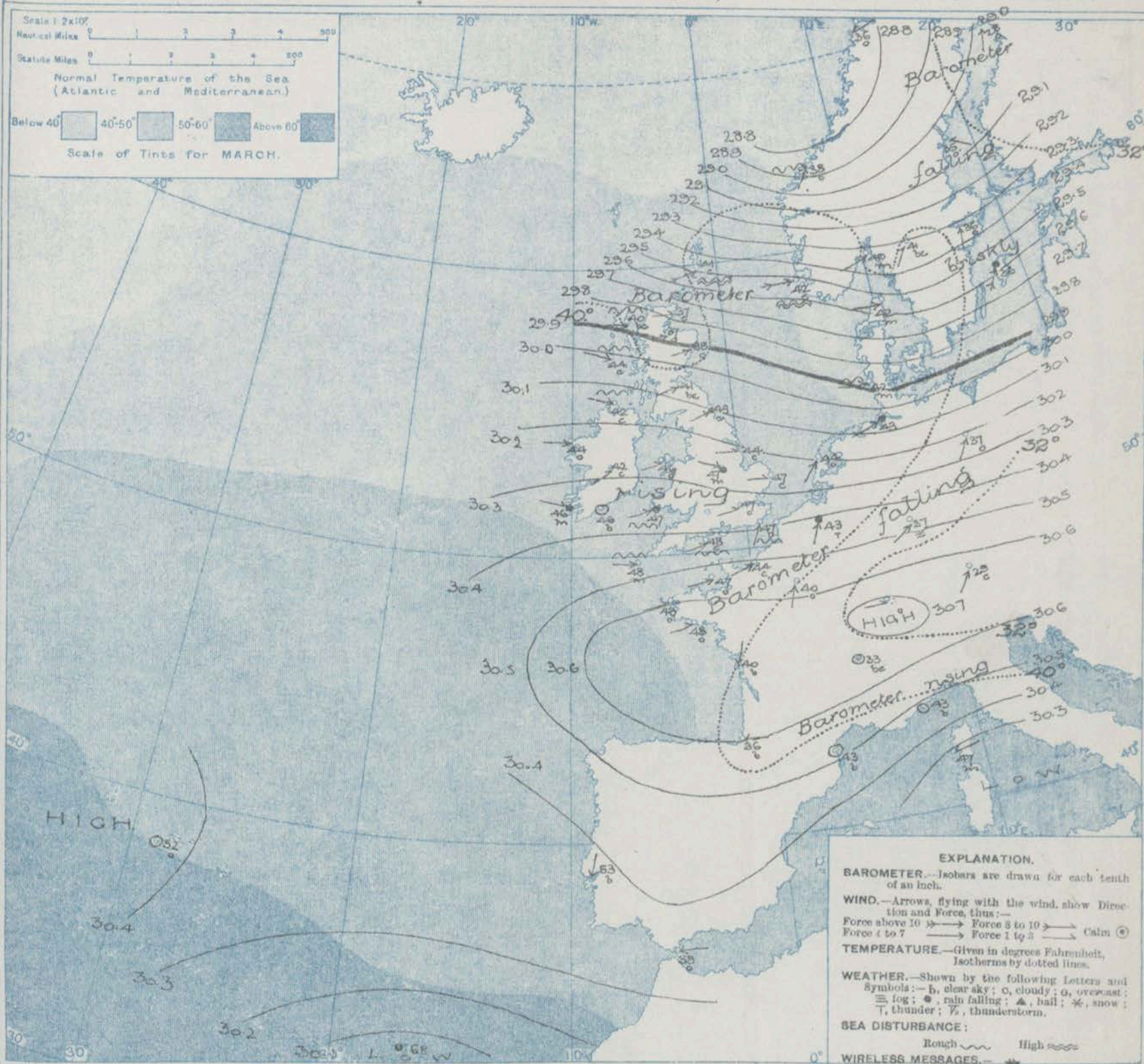
10 { ^a ^b

11 WESTERN CHANNEL AND BAY.

Moderate to fresh Westerly and North-Westerly winds; sea rather rough north Channel; moderate further south; cloudy; mist locally; cooler.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. MONDAY, 10TH MARCH 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

A deep depression lies off the upper part of the Norwegian coast. Small secondary disturbances are apparently moving eastwards across the United Kingdom, but the mercury is rising at all but our extreme southern stations.

Westerly winds prevail over North-Western Europe generally, and blow with the force of a gale in the north of Scotland and south of Scandinavia; in Sweden, Germany and the Netherlands the wind is south westerly. Temperature has fallen in Scotland and Ireland, but risen in most other countries. Over the central and

southern parts of the United Kingdom the thermometer is slightly above 46°, but in the north-east of Scotland it is below 40°. Slight frost prevails in South Germany and some parts of central France. The weather is fine in the east of Scotland and also in the south of France. Elsewhere the sky is cloudy or overcast, with rain or passing showers in several localities. The sea is rough on our extreme north and north-west coasts, and rather rough in the Bristol Channel.

DAILY WEATHER REPORT.

Monday, 10th March 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEA- THER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEA- THER.	
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.		
	"	"			In.	In.		(0-12).		"	"				In.	In.		(0-12).		
10th 7 a.m.	51	10	Mauratania	H	30.14	0.0	NNE	4-5	0	9th 7 a.m.	49	23	Iselle	O	30.12	-0.3	SW	6-7	0	
9th 6 p.m.	49	23	Carpathia	O	30.36	+0.3	WNW	4-6	0	"	"	49	20	Carpathia	O	30.31	-0.5	WSW	8-9	0
"	49	19	Montrose	O	30.34	+0.1	WSW	6-7	0	"	"	49	17	Ausonia	H	30.39	-0.6	SSW	6-7	0
"	50	18	Mauratania	H	30.36	+0.1	SW	6-7	0	"	"	49	17	Montrose	O	30.42	-0.6	WSW	6-7.	0
"	49	17	Menominee	O	30.30	0.0	WSW	1-3	6	"	"	49	14	Menominee	O	30.31	-0.6	WSW	8-9	0
"	49	12	Minnowaska	O	30.47	-0.1	W	6-7	0	"	6 p.m.	49	13	Ausonia	H	30.43	0.0	WSW	6-7	0
" 7 a.m.	48	25	Mauratania	H	30.49	-0.1	SW	4-6	0	"	"	51	11	Canada	O	30.27	-0.7	WSW	8-9	0

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	Hr.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	Hr.
			Max.	Min.	Forenoon.	Afternoon.						Max.	Min.	Forenoon.	Afternoon.		
Scotland.		In.							England, S.E.		In.						
{ Oban ...									{ Margate ...		0.02	49	33	bc	bc, 0	3.7	
{ Stonehaven ...									{ Ramsgate ...			50	32	"	"	3.5	
{ St. Andrews ...									{ Deal ...			50	34	bc, bc	c, 0	3.6	
{ Carnoustie ...									{ Folkestone ...			48	36	bc, bc	c, 0	3.0	
England, N.E.									{ Littlestone ...			"	"	"	"	2.1	
{ Harrogate ...			46	34	bc	c, 0	0.0		{ Hastings ...		0.04	48	36	bc, bc	0	0.7	
{ Scarborough ...					bc	bc	0.0		{ Bexhill-on-Sea ...			47	34	bc, c	bc	0.3	
England, N.W.									{ Eastbourne ...			49	36	0	bc	0.0	
{ Blackpool ...		0.15	47	41	bc	0	0.0		{ Seaford ...							0.0	
{ Southport ...		0.17	47	41	bc	0	0.0		{ Brighton ...			47	48	bc, bc	c, 0	0.2	
{ Buxton ...		0.06	46	35	bc, bc	bc	0.4		{ Worthing ...		0.01	48	34	bc, c	c, 0	0.1	
{ Matlock ...									{ Littlehampton ...			"	"	"	"		
{ Douglas ...									{ Bognor ...							0.0	
Wales.									{ Southsea ...			30	36	0	bc	0.0	
{ Rhyl ...		0.05	49	40	bc	bc, 0	0.0		{ Bournemouth ...			50	36	0	c, 0	0.1	
{ Colwyn Bay ...		0.03	48	41	bc	bc, 0	0.3		{ Weymouth ...			30	38	c	c, 0	0.1	
{ Llandudno ...		0.03	49	42	c	bc, 0	0.3		{ Teignmouth ...			50	38	c	c	0.1	
{ Bettws-y-Coed ...					mod	mod	0.0		{ Torquay ...			50	39	bc, c	c, 0	0.0	
{ Aberystwyth ...		0.06	47	43	mod	mod	0.0		{ Paignton ...			31	35	0	0	0.0	
England, E.									{ Ilfracombe ...		0.01	49	42	bc, 0	bc, 0	0.2	
{ Lowestoft ...		0.01	49	32	bc	c, 0	3.3		{ Weston-super-Mare ...			48	40	c	c		
{ Felixstowe ...		0.01	49	33	bc, m	bc, 0	3.0										
{ Walton-on-Naze ...		0.03	48	42	bc	bc, 0	3.2										
{ Southend-on-Sea ...			48	34	bc	bc, 0	2.0										

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain- fall.	WEATHER.			Sun- shine for Yester- day.	STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.	
	p.m. Yester- day.	9 a.m. To- day.	In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.				In Screen.	Night Min. on Grass.	Night.	Fore- noon.	After- noon.			
			Max.	Min.														Max.		Min.
			24 HOURS ENDED 9 A.M. TO-DAY.																	
Greenwich (Royal Obs.) ...	%	%	.	.	.	In.	.	.	.	Hr.	Dublin to 4 p.m.	In.	Hr.	
City (Bunkill Row) ...	74	87	49	43	42	-	0	0	0	0.0	Plymouth to 9 p.m.	0.03	50	42	40	bc	bc	0.0		
Westminster (St. James's Pk.)	*	*	*	*	*	*	*	*	*	0.0	Darwen									
Camden Sq. (Brit. Rainfall)	93	93	49	43	42	-	bc	bc	0.0	0.1	Manchester	0.10	49	37	?	bc	bc	0.0		
Hampstead (Reservoir) ...	-	85	50	42	42	-	0.0	0	0.0	0.0	Birmingham	0.05	46	35	26	0	0	2.7		
Kew. (See front page.)	.	87	47	39	40	-	0	0	0	0.0	Oxford to 8 p.m.									
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.											S. Kensington (Museum Grounds to 6 p.m.)									
			Total.		Average Rate.		Max. Rate.		0.1											
			346 Joules.		9.7 Milliwatts.		38 Milliwatts.													
S. Kensington (Roof of M.O.)	-	58										-	49	35	26	0	0.0	0		

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

10th, 11th, March 1913.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 6.22	G.M.T. 12.14	G.M.T. 5.45
Greenwich ...	6.20	12.3	5.47
Wick ...	6.29	12.11	5.53
Valencia ...	6.26	12.10	5.55
	6.47	12.23	5.59
	6.44	12.22	6.1
	7.4	12.52	6.34
	7.8	12.51	6.35

NOTES ON YESTERDAY'S WEATHER.

During yesterday the thermometer rose to 50° or slightly above it in several parts of the United Kingdom. The amount of bright sunshine was generally very small, but about 3½ hours were registered on our east and south-east coasts. Showers were experienced in most districts. Reliability reports show that as far west as the 25th meridian ships experienced easterly and south-easterly winds, strong to a gale in force, with dull weather.

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.

12-28

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

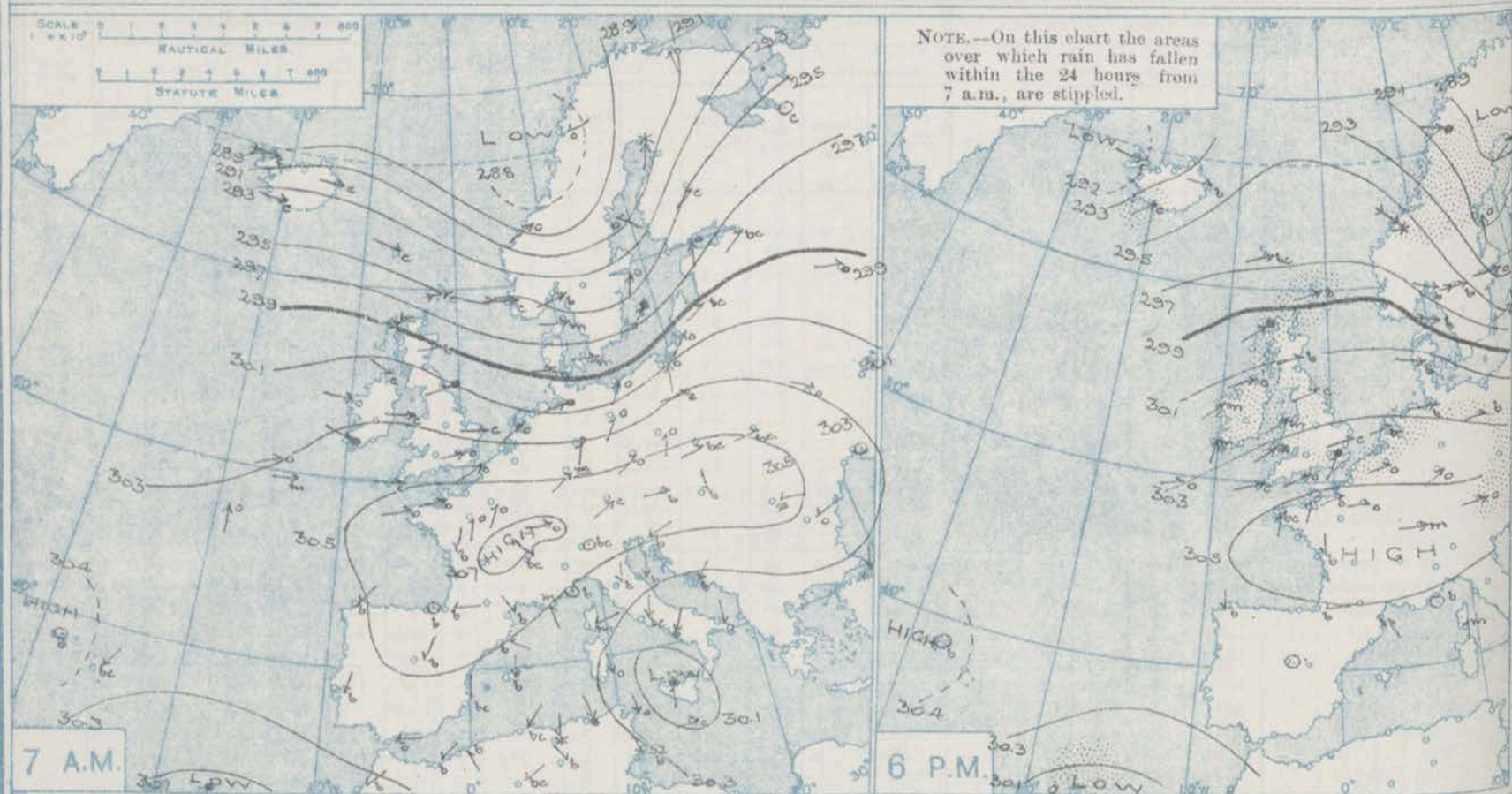
Tuesday
11th March, 1913.

STATIONS.	YESTERDAY EVENING.						THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shine for Yester- day.
	BAROM.		TEMP.		WIND.		BAROMETER.		TEMP.		WIND.		Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.						
	At 32° Fahr. and M.S.L. Lat. 46°.	Dry Bulb.	Direc.	Force (0 to 12).	Weather.	At 32° Fahr. and M.S.L. Lat. 46°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.	Direc.	Force (0 to 12).	Weather.			Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.				
	29.02	-2	-	2	o	29.00	0.00	-13	-17	-	0	2	?	-	3	-17					Hours		
Lerwick	29.82	39	WSW	5	b	29.61	-1.10	40	-1	3	4	c	4	0.27	44	35	bcp	bq	or up				
Stornoway	30.02	41	SW	5	cpq	29.79	+0.03	38	-2	W	6	b	5	0.17	46	37	cpq	cpq	bc bcp		6.3		
Castlebay (Barra Isd.)	30.08	44	WSW	4	c	29.90	+0.03	41	-3	WNW	6	bc	4	0.19	46	39	cpq	cpq	bc bcp		4.5		
Malin Head	30.14	45	WSW	4	cm	29.98	+0.05	43	+1	NW	6	cg	5	0.04	46	40	cpq	cm	cm				
Blacksod Point	30.17	45	SW	3	m	30.13	+0.02	44	0	W	4	c	3	0.20	51	44	cm	cm	cm				
Valencia	30.21	50	SSW	4	mg	30.27	+0.04	48	+2	W	4	bc	5	0.14	52	45	cm	cm	cm		0.0		
Roche's Point	30.28	49	SW	4	ad	30.25		47	+1	W	3	c	3	0.06	49	46	cm	d	d c				
Birr Castle	30.21	45	SE	1	m	30.18		44	+2	W	2	bc		0.19	46	42	c	cpm	or bc		0.0		
Donaghadee	30.25	46	WNW	1	bc	30.03	+0.07	43	+3	WSW	2	c	2	0.23	48	40	bc	bc	cm				
Liverpool Obsy.	30.32	45	W	1	o	30.08	-0.01	48	+2	WSW	5	o	4	0.03	49	43	bc	or	op		2.6		
Holyhead	30.29	47	SW	3	m	30.12	-0.02	46	+1	W	6	o	5	0.01	47	44	cm	cm	cg				
Pembroke (St. Ann's Hd.)	30.33	47	SW	4	f	30.21	-0.03	46	-1	WSW	5	odmg	5	0.09	50	45	fd	fd	fd		0.0		
Newquay	30.43	47	SW	3	odp	30.32	0.00	48	+1	SW	4	c	4	Trace	50	46	ogfd	ogfd	bc c		0.0		
Scilly (St. Mary's)	30.41	49	WSW	4	c	30.32	0.00	48	0	W	4	bc	5		52	46	cm	c	bc		0.2		
Jersey (St. Aubin)	30.53	50	SW	3	c	30.41		43	-4	WSW	3	c	3		53	41	og	bc c	bcw		2.6		
Portland Bill	30.43	48	WSW	5	o	30.31	-0.03	47	-1	WSW	5	c	4		43	46	o	o	o c				
Dungeness	30.39	47	SW	3	o	30.25	-0.03	46	-1	SW	6	c	5	Trace	49	46	o	op	o c				
Dover	30.43	48	SW	3	c	30.29		45	-1	SW	5	c	6	0.02	51	44	o	o c	bc c		0.0		
Wick	30.03	38	W	3	c	29.74	-0.06	37	0	W	4	o	4	0.07	45	35	bcp	bc	odmg				
Nairn	30.05	40	W	2	c	29.79		38	+1	WSW	3	o	2	0.08	46	35	bq	pc	op		6.5		
Aberdeen	30.10	43	WSW	2	b	29.82	-0.07	40	+2	SW	3	c	2		49	38	bq	bq	b c c		9.2		
Leith	30.16	43	SW	3	bc	29.92	-0.02	43	+2	SW	3	bc		0.02	47	40	b c c	c op bc	bc				
North Shields	30.25	46	WSW	3	cg	29.92	0.00	45	+2	W	4	r	2	0.17	49	38	o	c	r		3.8		
Spurn Head	30.30	46	W	2	o	30.01	-0.03	47	+3	WSW	6	cg	5	0.02	47	42	c	cm	cpq		1.0		
Yarmouth	30.36	49	WSW	1	c	30.17	-0.04	46	-1	WSW	3	c	2		51	45	c	c	bc c		0.0		
Clacton-on-Sea	30.38	45		0	o	30.23	-0.03	44	-3	SW	3	bc	2	0.03	49	44	ogfd	ogfd	ogfd		0.0		
Nottingham	30.33	48	WSW	1	o	30.10		47	0	WSW	6	o			51	45	o c m	cm	o		0.5		
Bath	30.41	49	W	2	odp	30.28		46	-1	W	3	o		0.02	52	45					0.0		
London (Kew Obsy.)	30.40	49	SW	1	or	30.27	-0.02	45	-2	SW	3	o		0.12	51	45	o c d	or	o		0.0		
Isafjord	29.19	26	W	5	c	29.25	+0.01	23	-3	W	4	b											
Reykjavik	29.30	28	W	3	s	29.22	-0.04	23	-5	S	3	o											
Vestmanna	29.39	31	SW	5	c	29.36	+0.01	27	0	SW	3	s	3										
Seydisfjord	29.35	30	W	3	b	29.31	-0.03	23	-7		0	b											
Thorshavn	29.69	37	WSW	5	bc	29.38	-0.05	35	-4	W	4	o											
Haparanda	29.82	30	SW	2	o	29.09	+0.10	33	+5	NW	6	o		0.16	34	28							
Hernösand	29.06	27	S	4	b	29.54	+0.20	35	0	NW	4	b		0.04	39	31							
Stockholm	29.25	42	W	6	o	29.75	+0.10	35	-1	W	4	b			45	34							
Wisby	29.41	38	WSW	4	bc	29.86	+0.12	37	+1	NW	4	b			41	36							
Karlstad	29.54	42	W	3	b	29.87	+0.04	34	-7	W	2	b			46	30							
Færder (Xtanta Fjord)	29.66	41	WNW	5	b	29.87	-0.02	37	-3	SW	5	b	3		41	36							
Bodö	29.06	36	WNW	6	r	29.31	+0.05	34	-2	W	6	o	3		36	30							
Christiansund	29.56	36	NW	8	s	29.60	-0.02	36	-2	WSW	6	s	6	0.29	39	30							
Skudesnaes	29.93	40	W	6	c	29.85	-0.06	40	-2	SE	4	m	4		43	37							
The Scaw (Skagen)	29.86	40	WNW	9	b	29.99	0.00	37	-5	WSW	4	m	1		45	36							
Blaavands Huk	30.15	40	WNW	6	b	30.10	-0.05	39	-3	SW	3	o	2		43	37							
Cuxhaven	30.25	40	W	4	b	30.21	-0.07	38	-5	SSW	3	o		0.03	45	37							
The Helder	30.35	42	SW	2	bc	30.15	-0.08	44	0	SSW	6	o	4	Trace	43	39							
Brussels	30.45	46	WSW	2	o	30.35	-0.02	43	0	SW	3	bc		0.20	46	42							
Berlin	30.21	43	W	5	b	30.32	+0.02	37	0	W	3	m		0.16	45	36							
Frankfurt	30.45	45	SW	5	o	30.43	0.00	43	+6	SW	3	r			46	37							
Munich	30.51	36	W	4	o	30.54	+0.01	38	+9	SW	4	c		0.08	41	28							
C. Gris Nez	30.42	46	WSW	5	o	30.27	-0.01	45	-1	SW	5	c	5	0.08	48	43							
La Hève	30.49	45	WSW	3	o	30.38		41	-3	SW		o	2		50	37							
Brest (St. Mathieu)	30.54	50	SSW	2	bc	30.42	-0.01	46	-2	S	2	bc	3		52	45							
Lorient (Bec Melen)	30.54	45	SSW	2	b	30.38		41	-7	E	3	f	2		57	39							
Rochefort (Ile d'Aix)	30.56	50	N	2	b	30.40		41	+1	E	3	b			57	39							
Biarritz	30.45	35	E	1	b	?		46	+10	?	1	b	1		61	36							
Paris	30.54	49	W	1	o	30.46	-0.01	35	-5	S	2	b			51	38							
Belfort	30.56	44	W	4	m	30.54		35	+4		0	m			49	31							
Lyons	30.60	47	NNE	1	bc	30.55		36	+3	N	1	m			53	33							
Nice	30.49	45		0	b	30.41	0.00.																

* Information for these columns not usually received.

† Received too late for insertion in Charts.

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 10TH MARCH



7 A.M.

6 P.M.

WEATHER PROSPECTS.

There are no signs of any material change in the general conditions. The depression off Western Iceland will probably move eastward and small secondary disturbances will pass in a

similar direction across the United Kingdom. Showers will, therefore, be experienced in most districts, with considerable intervals of fair weather.

FORECASTS FOR THE 24 HOURS NOON TUESDAY

TO NOON WEDNESDAY.

0 { a } Westerly to South Westerly winds strong in places; cold, changeable, some showers.
b

1 { Westerly and South Westerly winds, moderate or fresh; changeable, some showers; moderate temperature.
2 { a }
b

3 { Westerly and South Westerly winds, fresh, some local showers, but mostly fair; moderate temperature.
4 { a }
b
5

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Coast.	South Coast.
North Coast.	North Coast.

NO WARNINGS ISSUED.

6 { a } Westerly to South Westerly
b
7 { a } winds, strong in places;
b
8 { a } changeable, some showers, fine
b
9 { a } intervals; moderate temperature.
b
10 { a }
b

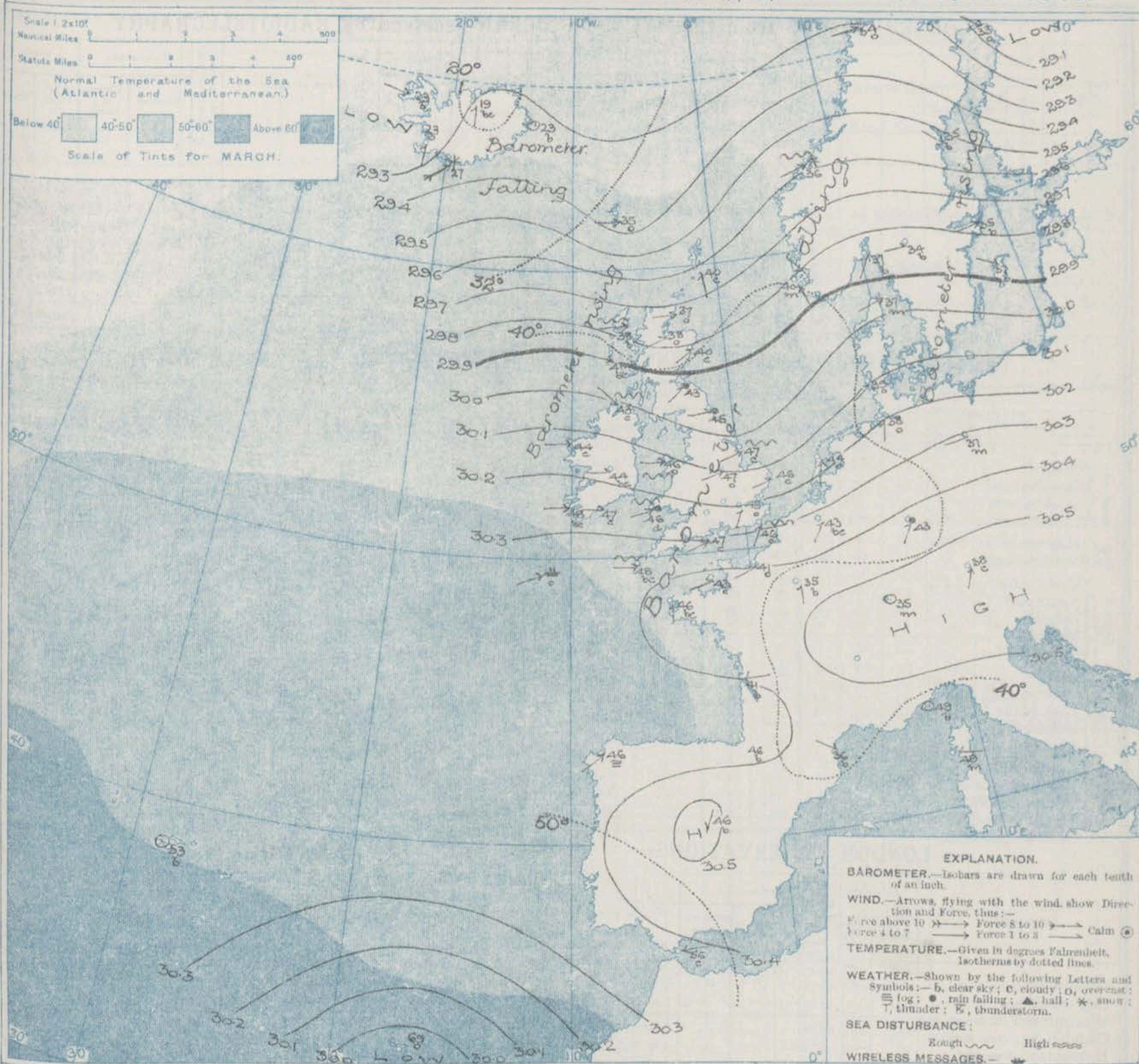
11 WESTERN CHANNEL AND BAY.

Fresh Westerly winds probable North Channel, with local showers and a rather rough sea. Variable breezes further south, with fair weather and a moderate sea.

THE FURTHER OUTLOOK. (All Districts)

Changeable weather is likely to continue.

SYNOPTIC CHART FOR 7 A.M. TUESDAY, 11TH MARCH 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The depression noticed yesterday off the upper part of the Norwegian coasts is moving eastwards across Northern Russia. A fresh disturbance has appeared off Western Iceland, and small secondaries are passing from west to east across the United Kingdom and the North Sea.

Westerly and South-Westerly winds prevail over North-Western Europe generally, and still blow with considerable strength on the more exposed parts of the British and Irish coasts. Temperature has changed little and irregularly. Over the United Kingdom the morning readings range from a little

above 45° over England and the south of Ireland to a trifle below 40° in the north of Scotland. Readings below 40° are reported also over Germany and Central France. The weather, although fair in places, is still in a rather changeable condition generally. Showers are falling on the northeast coasts of Great Britain, and snow is reported at Christiansund and at Vestmanna. The sea remains rather rough on all the more exposed parts of our coasts.

DAILY WEATHER REPORT.

Tuesday, 11th March 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	G- Outward H- Homeward	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	G- Outward H- Homeward	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
11th 7 a.m.	49	"	Mesaba	H	30.38	+0.1	WSW	4-5	0	10th 7 a.m.	50	17	Campania	O	30.26	-0.3	WSW	1-3	0
10th 6 p.m.	49	13	Zeeland	O	30.30	-0.6	WSW	4-5	0	"	49	16	McInneswasha	O	30.35	-0.3	W	6-7	m
" 1 p.m.	49	"		O	30.40	-0.2	SW	6-7	m	"	48	15	?	O	30.34	0.0	SW	6-7	0
" 7 a.m.	47	19	Mesaba	H	30.45	0.0	SSW	4-5	0										

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.	Oban	0.53	48	40	b, c, p	b, c, p	0.4	England, S.E.	Margate	0.08	52	45	o, p	o, p	0.0
	Stonehaven	0.03	52	40	b, c	b	5.1		Ramsgate	0.10	50	44	"	"	0.0
	St. Andrews	0.03	52	40	b, c	b	5.1		Deal	0.03	52	45	sm, o, d	o, p, c	0.0
	Carnoustie	0.03	52	40	b, c	b	5.1		Folkestone	0.03	49	45	o	o	0.0
Engl. N.E.	Harrogate	0.12	48	40	b, c	b, c, p	3.4	England, S.E.	Littlestone	0.03	50	46	o	o	0.0
	Scarborough	0.05	48	41	b, c	b, c	2.4		Hastings	0.03	50	46	o	o	0.0
	Blackpool	0.05	48	43	c	c	3.2		Bexhill-on-Sea	0.03	50	46	o, g	g	0.0
	Southport	0.03	50	44	o, b, c	o	3.7		Eastbourne	0.03	50	46	o, g	o, g	0.0
England, N.W.	Buxton	0.26	47	41	b, c	b, c	2.0	England, S.E.	Seaford	0.03	48	45	o	o	0.0
	Matlock	0.03	47	41	b, c	b, c	2.0		Brighton	0.03	48	45	o	o	0.0
	Douglas	0.03	47	41	b, c	b, c	2.0		Worthing	0.03	50	46	o	o	0.0
	Rhyl	0.05	49	43	b, c	b, c	2.5		Littlehampton	0.03	50	46	o	o	0.0
Wales.	Colwyn Bay	0.12	49	45	b, c	c, b, c	1.7	England, S.W.	Bognor	0.03	50	45	o	o	0.0
	Llandudno	0.12	52	44	b, c	c, b	2.6		Southsea	0.03	52	46	o	o	0.0
	Bettws-y-Coed	0.03	48	45	o, c	c, o	0.2		Bournemouth	0.03	50	47	c, o	o	0.0
	Aberystwyth	0.03	48	45	o, c	c, o	0.2		Weymouth	0.03	52	47	o	o	0.0
England, E.	Lowestoft	0.03	51	44	o	o	0.0	England, S.W.	Teignmouth	0.03	52	47	o	o	0.0
	Felixstowe	0.03	49	41	m, o, p	f, o, p	0.0		Torquay	0.03	52	47	o	o	0.0
	Walton-on-Naze	0.03	49	44	o	o, c	0.0		Paignton	0.03	51	47	o	o	0.0
	Southend-on-Sea	0.03	49	44	o, p	o, p	0.0		Ilfracombe	0.03	50	43	o, d	o, d	0.0
									Weston-super-Mare	0.03	49	43	d, c	o, d, m	0.0

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain- fall.	WEATHER.			Sun- shine for Yester- day.	STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.							
	p.m. Yester- day.	a.m. To- day.	In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.				In Screen.	Night Min. on Grass.	Night.	Fore- noon.	After- noon.									
			Max.	Min.														Max.		Min.						
24 HOURS ENDED 9 A.M. TO-DAY.																										
Greenwich (Royal Obs.) ...	96	77	52	44	40	0.15	o, c	o	o, r	0.0	Dublin to 4 p.m.	0.04	50	43	41	g, c, p, o	o	o, p	0.0							
City (Bunhill Row) ...	96	77	52	44	40	0.15	o, c	o	o, r	0.0	Plymouth to 9 p.m.	0.04	50	47	45	o	o, c	o	0.0							
Westminster (St. James's Pl.)	96	78	51	46	43	0.10	o	d, r	r, b, c	0.0	Darwen	0.24	47	38	37	o	o, c	b, c	0.0							
Camden Sq. (Brit. Rainfall)	99	78	51	44	39	0.11	o	o, r	o, r, c	0.0	Manchester	0.09	50	44	38	c, b, c	b, c, o	c, o	0.0							
Hampstead (Reservoir) ...	99	79	50	42	38	0.11	o, m	c	o	0.0	Birmingham	0.09	51	45	35	o	o	o	0.0							
Kew. (See front page.)	99	79	50	42	38	0.11	o, m	c	o	0.0	Oxford to 8 p.m.	0.09	51	45	35	o	o	o	0.0							
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																										
Total.			Average Rate.		Max. Rate.																					
S. Kensington (Roof of M.O.)			131 Joules.		3.2 Milli-watts.		7.5 Milli-watts.		0.0		S. Kensington (Museum Grounds to 6 p.m.)		0.06		51		47		41		o, d, m		o, d, m		o, d, m	

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

11th March 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 6.20 6.18	G.M.T. 12.3 12.5	G.M.T. 5.47 5.45
Greenwich	6.26 6.24	12.10 12.10	5.56 5.56
Wick	6.44 6.41	12.22 12.22	6.1 6.3
Valencia	7.5 7.5	12.51 12.51	6.35 6.37

NOTES ON YESTERDAY'S WEATHER.

During yesterday the thermometer rose to a trifle above 50° at several of the English and Irish stations. No bright sunshine was recorded in the south and east of England, but in Scotland the amount was considerable. Showers were experienced in nearly all districts. Several reports show that as far west as the 17th meridian ships experienced moderate to fresh breezes from the westward and South-Westward, and dull weather.

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.

12.30

1913.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

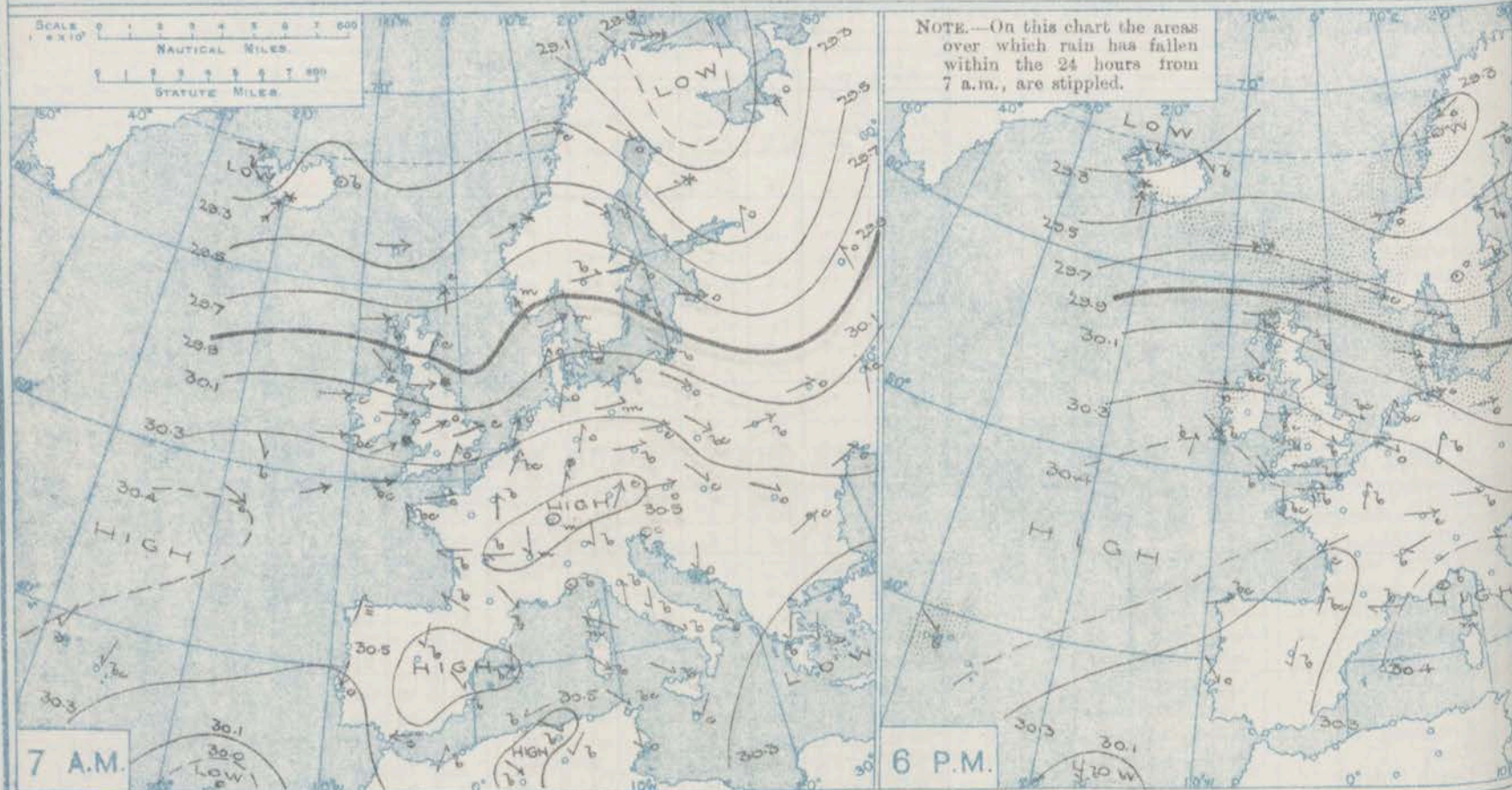
Wednesday,
12th March, 1913.

STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
	Barom.	Temp.	Wind.	Force	Weather.	Barom.	Temp.	Wind.	Force	Weather.	Sea	Rain- fall.	Temp.	Weather.		Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.			
														Max.	Min.						
																			At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.		Dir.	Force (0 to 12).
At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Dir.	Force (0 to 12).	Weather.	At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.	Dir.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.			
Spitzbergen ...	28.84	18	SE	4	0	28.90	+0.04	18	+31	SE	3	0	—	18	-13	+	+	+	+		
Lerwick ...	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.		
Stornoway ...	29.79	37	WSW	6	c	29.89	-0.03	40	0	S	5	1	0.34	44	34	cph	cphq	cphq	cphq		
Castlebay (Barra Isd.)	30.05	30	W	6	bog	29.85	-0.08	44	+6	SSW	7	0	0.04	44	35	bog	bog	bog	bog		
Malin Head...	30.15	42	WNW	4	c	29.95	-0.07	45	+4	SSW	6	0	0.03	46	36	bc	bc	bc	bc		
Blacksod Point	30.24	42	NW	4	bc	30.05	-0.10	39	-4	SW	6	0	—	45	39	g.bq	bc	g.bq	g.bq		
Valencia ...	30.29	44	W	3	0	30.05	-0.03	45	+1	W	6	0	0.08	47	40	om	om	om	om		
Roche's Point	30.39	47	WNW	1	b	30.17	-0.04	46	-2	SSE	4	0	Trace	49	37	bc	bc	bc	bc		
Birr Castle ...	30.39	49	NW	2	bc	30.26	—	46	-1	SSW	3	bc	2	—	51	38	bc	c.bc	bc		
Donaghadee ...	30.33	45	W	1	bc	30.20	—	37	-7	SW	1	c	0.03	50	31	bc	bc	bc	bc		
Liverpool Obsy.	30.27	45	W	2	bcp	30.22	-0.05	37	-6	SSW	2	bc	1	0.03	47	35	bcp	bc	bc		
Holyhead ...	30.34	42	W	4	b	30.32	-0.03	35	-13	S	2	b	Trace	48	35	bc	bc	bc	bc		
Pembroke (St. Ann's Hd.)	30.35	44	W	4	bc	30.28	-0.01	43	-3	SW	3	c	—	45	39	bc	bc	bc	bc		
Newquay ...	30.39	47	WNW	2	b	30.29	-0.03	43	-3	S	4	b	0.01	50	39	bc	bc	bc	bc		
Scilly (St. Mary's)	30.39	48	N	2	b	30.27	-0.07	40	-8	SE	2	bc	3	0.03	50	32	bc	bc	bc		
Jersey (St. Aubin)	30.40	48	NW	1	b	30.27	-0.06	47	-1	SE	3	cm	3	Trace	54	40	bc	bc	bc		
Portland Bill ...	30.40	50	W	3	b	30.33	—	45	+2	E	5	og	4	—	53	42	c	c	c		
Dungeness ...	30.36	48	W	1	bc	30.33	-0.04	46	-1	ESE	4	b	3	—	49	41	c	c	c		
Dover ...	30.29	47	SW	4	c	30.37	-0.01	44	-2	E	3	bc	3	—	51	36	c	c	c		
Wick ...	30.32	47	SW	4	bc	30.41	—	41	-4	SE	2	m	2	—	55	36	c	c	c		
Nairn ...	29.99	36	WNW	5	c	29.94	-0.08	40	+3	WNW	5	c	5	0.07	44	32	bc	bc	bc		
Aberdeen ...	30.08	36	WNW	2	c	29.98	—	41	+3	W	4	c	2	0.09	44	33	bc	bc	bc		
Leith ...	30.09	40	WNW	5	b	30.10	-0.06	38	-2	SE	1	0	2	—	48	35	bc	bc	bc		
North Shields	30.18	41	WSW	4	b	30.19	-0.05	43	0	S	2	b	—	48	37	bc	bc	bc	bc		
Spurn Head ...	30.22	44	WNW	3	c	30.29	-0.02	35	-10	SSW	3	bc	2	—	49	33	bc	bc	bc		
Yarmouth ...	30.26	45	WNW	6	b	30.36	-0.03	37	-10	SW	1	bc	1	—	49	35	bc	bc	bc		
Clacton-on-Sea	30.25	50	WNW	2	bc	30.40	-0.03	35	-11	SW	1	b	0	—	55	34	c	c	c		
Nottingham ...	30.27	52	W	3	c	30.40	-0.02	42	-2	ESE	2	bc	2	—	54	37	c	c	c		
Bath ...	30.30	47	NW	5	b	30.36	—	32	-15	WSW	1	bc	Trace	54	29	bc	bc	bc	bc		
London (Kew Obsy.)	30.37	50	WNW	1	c	30.36	—	28	-18	ESE	1	b	0.01	55	27	c	c	c	c		
Isafjord ...	30.33	51	WNW	3	b	30.38	-0.03	30	-15	—	0	f	—	54	29	bc	bc	bc	bc		
Reykjavik ...	29.26	28	SW	3	bc	29.29	-0.01	18	-5	NW	3	bc	—	—	—	—	—	—	—		
Vestmanna ...	29.37	29	S	6	s	29.22	-0.02	19	-4	E	2	0	—	—	—	—	—	—	—		
Seydisfjord ...	29.48	28	WSW	6	c	29.27	-0.01	25	-2	—	0	b	3	—	—	—	—	—	—		
Thorsbavn ...	29.38	33	NW	3	b	29.19	-0.12	25	+2	—	0	0	—	—	—	—	—	—	—		
Haparanda ...	29.67	35	WNW	6	s	29.33	-0.27	43	+8	SSW	8	1	—	—	—	—	—	—	—		
Hernösand ...	29.40	23	W	2	b	29.37	-0.03	15	-18	S	4	s	—	36	12	—	—	—	—		
Stockholm ...	29.52	34	E	2	b	29.67	+0.18	35	0	NW	4	b	—	41	28	—	—	—	—		
Wisby ...	29.64	36	W	2	b	29.75	+0.10	34	-1	WNW	4	bc	Trace	43	34	—	—	—	—		
Karlstad ...	29.72	37	SW	4	0	29.78	+0.11	35	-2	NW	2	0	Trace	43	32	—	—	—	—		
Färder (X'ania Fjord)	29.63	36	—	0	0	29.93	+0.12	34	0	WNW	4	b	0.04	45	32	—	—	—	—		
Bodö ...	29.62	37	SW	5	0	29.98	+0.10	37	0	NW	4	b	3	39	36	—	—	—	—		
Christiansund ...	29.25	32	ENE	4	0	29.57	+0.02	33	-1	SW	4	bc	2	—	34	30	—	—	—		
Skudesnaes ...	29.38	38	W	8	0	29.70	+0.05	38	+2	W	8	0	0.39	41	34	—	—	—	—		
The Scaw (Skagen) ...	29.77	40	NW	6	c	30.11	+0.04	40	0	NW	4	c	3	0.20	39	34	—	—	—		
Blaavands Huk ...	29.71	39	WNW	7	b	30.07	+0.14	39	+2	NW	6	b	1	0.16	39	36	—	—	—		
Cuxhaven ...	30.07	40	WNW	5	m	30.28	+0.08	39	0	WNW	4	bc	3	0.28	41	37	—	—	—		
The Helder ...	30.10	42	W	5	0	30.34	+0.07	39	+1	WNW	3	b	0.20	45	38	—	—	—	—		
Brussels ...	30.25	43	W	3	b	30.40	+0.01	35	-9	WNW	1	b	2	—	46	34	—	—	—		
Berlin ...	30.36	47	WNW	2	0	30.44	0.00	38	-5	ESE	1	b	—	55	35	—	—	—	—		
Frankfurt ...	30.06	46	W	6	0	30.28	+0.04	38	+1	NW	6	bc	0.04	46	37	—	—	—	—		
Munich ...	30.30	45	SW	1	b	30.47	+0.04	39	-4	NW	1	f	—	55	39	—	—	—	—		
C. Gris Nez ...	30.30	46	W	3	b	30.49	+0.04	40	+2	SW	4	c	—	54	37	—	—	—	—		
La Hève ...	30.33	46	WSW	5	c	30.38	-0.02	40	-5	ESE	3	b	2	—	50	39	—	—	—		
Brest (St. Mathieu) ...	30.39	45	SW	1	c	30.36	—	41	0	ESE	4	m	3	—	52	41	—	—	—		
Lorient (Bec Melon) ...	30.41	50	M	3	bc	30.28	?	42	-4	E	3	0	3	—	54	39	—	—	—		
Rocheport (Ile d' Aix) ...	30.30	49	NW	1	bc	30.25	—	43	+2	E	4	bc	2	—	55	41	—	—	—		
Biarritz ...	30.30	57	ENE	2	c	30.21	—	45	+4	ESE	3	c	—	70	39	—	—	—	—		
Paris ...	30.28	56	SW	3	bc	30.19	-0.02	48	+2	SE	3	c	2	—	66	45	—	—	—		
Belfort ...	30.36	54	W	2	b	30.41	-0.01	41	+6	NE	2	0	—	61	34	—	—	—	—		
Lyons ...	30.35	50	W	4	c	30.46	—	37	+2	ENE	4	m	—	59	35	—	—	—	—		
Nice ...	30.37	55	ENE	1	b	30.39	—	38	+2	W	1	0	—	61	36	—	—	—	—		
Perpignan ...	30.43	47	—	0	b	30.37	0.00	44	-5	—	0	bc	1	—	59	41	—	—	—		
Sanguinair ...	30.39	52	E	2	b	30.33	-0.02	48	+12	—	0	0	—	59	36	—	—	—	—		
Corunna (8 a.m.) ...	30.43	50	W	1	m	30.40	—	51	+2	ESE	2	n	2	—	59	45	—	—	—		
Lisbon (9 a.m.) ...	30.33	54	WSW	1	bc	30.28	0.00	48	+2	W	1	f	3</								

* Information for these columns not usually received.

† Received too late for insertion in Charts.

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 11TH MARCH.



GENERAL INFERENCE

The depression between Iceland and the Faeroe will move eastwards, but will at the same time extend laterally in a Southerly direction, and cause rough, unsettled

WEATHER PROSPECTS.

weather over our own northern districts. In the south of England anticyclonic conditions are likely to hold for a time.

FORECASTS FOR THE 24 HOURS NOON Wednesday TO NOON Thursday.

0 { a South-Westerly to Westerly winds, strong to a gale in force, squally, rainy; becoming temporarily milder.
b

1 { Southerly to South-Westerly winds, freshening considerably; fair at first, showery later; becoming temporarily milder.
2 {

3 { South-Easterly to Southerly or South-Westerly winds, light or moderate; fine generally, but misty in places; warm in daytime, cold at night, with ground frost locally.
4 { a
b
5 {

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Coast.	South Coast.
North Coast.	North Coast.

South Coast hoisted at 8.45 this morning in Districts 0, 1, 6 and 9.

6 { a Same as No. 0.
b Southerly and South-Westerly winds, freshening considerably; fair at first, showery later; becoming temporarily milder.
7 {

8 { a Southerly and South-Easterly winds; fair; mild.
b

9 { a Same as No. 0.
b

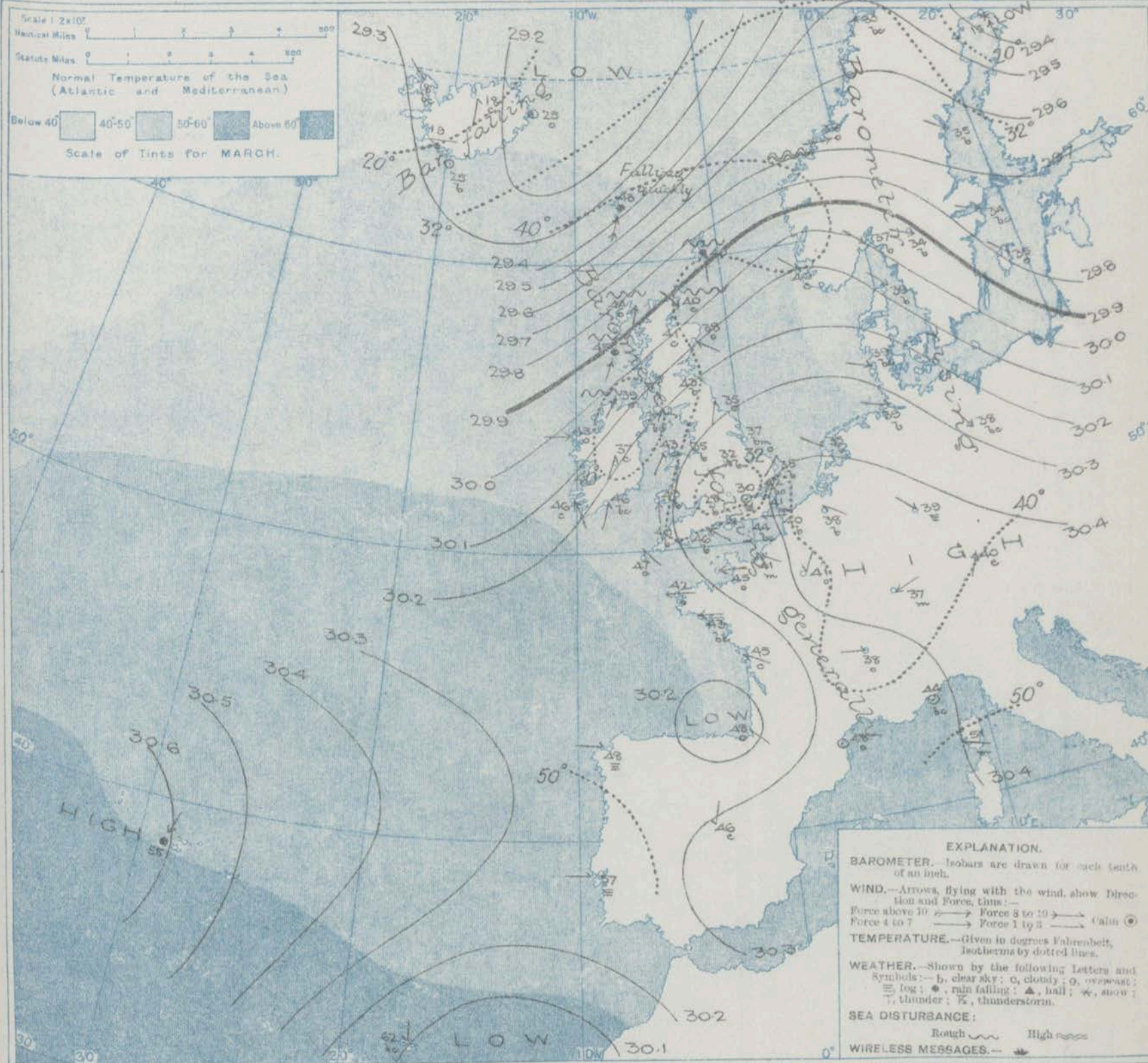
10 { a Same as No. 7.
b

11 WESTERN CHANNEL AND BAY.

Easterly and South-Easterly winds, moderate or fresh, with a moderate sea; fair generally but misty in places; mild.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. Wednesday, 12th MARCH 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

A deep depression is centred a little to the westward of Spitzbergen, and a well-marked secondary disturbance is shown between Iceland and the Faeroe, where the barometer is falling quickly. An anticyclone lies over the Azores region and another extends northwards from Italy to the Netherlands.

The wind has backed to the Southward or South-westward in all our western and northern districts, and has increased considerably in force in the extreme north and north-west. In the Channel and Bay of Biscay the wind is light to moderate

from East or South-East. Temperature has fallen decidedly over England, and frost prevails in the more central districts; on our south-west coasts the thermometer is above 45°. Sharp frost prevails in Lapland and in Iceland. Over the greater part of western Europe the weather is at present fine, but misty or foggy in places. Rain is falling in Shetland, the Hebrides and the Faeroe, and snow at Haparanda. The sea is rough on our extreme north and north-west coasts, slight or smooth elsewhere.

DAILY WEATHER REPORT.

Wednesday, 12th March 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward H = Homeward	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward H = Homeward	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
11th 6 p.m.	50	11	<i>Svevia</i>	H	30.40	-1.5	SSW	1-3	6	11th 7 a.m.	48	18	<i>Zeeland</i>	O	30.40	+0.2	WNW	4-5	6
										" "	50	16	<i>Svevia</i>	H	30.47	+0.3	NW	1-3	6

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.	Oban	0.30	44	36	b, c	b	3.1	England, S.E.	Margate	0.00	54	44	b	c, d	8.8
	Stonhaven								Ramsgate		56	43	b	c	4.5
	St. Andrews		46	39	b, c	b	9.0		Deal		56	44	c, b	ou, c	6.1
	Carnoustie								Folkestone		56	44	b	b	4.8
England, N.E.	Harrogate	0.07	49	39	c, b, b	b	7.8	England, S.W.	Littlestone						1.9
	Scarborough		55	40	b	b	7.2		Hastings		52	45	c, b	b, b	0.6
	Blackpool	0.22	44	42	c	c	6.4		Bexhill-on-Sea		51	46	ou, c	c, c	6.2
	Southport	0.16	45	42	c, p, r, c	b, b	5.8		Eastbourne		51	48	b, b	c, b, b	2.6
England, N.W.	Buxton	0.08	47	41	b	b	3.7	England, S.W.	Seaford		50	45	c, b	b, b	2.5
	Matlock								Brighton		51	46	c, b	b, c	4.4
	Douglas								Worthing		52	46	b	b	1.0
	Rhyl	0.01	48	43	b	b	5.0		Littlehampton						
Wales.	Colwyn Bay		46	43	b, b	b, b	6.0	England, S.W.	Bognor						2.9
	Llandudno	0.07	52	44	b	b, b	6.7		Southsea		53	46	c, b, b	b	2.8
	Bettws-y-Coed								Bournemouth		55	46	b	b	1.9
	Aberystwyth	0.07	49	45	c, c	c, b	8.0		Weymouth		53	46	b	b	6.0
England, E.	Lowestoft		55	43	c, b	b	4.5	England, S.W.	Teignmouth		56	45	b, b, b	b	3.2
	Felixstowe		54	43	b, c	b, c	4.4		Torquay		56	45	b	b	3.6
	Walton-on-Naze		54	45	b, b, b	c, b, b	4.4		Paignton		56	46	b	b	5.6
	Southend-on-Sea		52	44	b	b, b	5.2		Ilfracombe	0.04	50	46	c, b, b	b	6.1
									Weston-super-Mare		51	47	b	b	

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain-fall.	WEATHER.		
	3 p.m. Yester- day.	9 a.m. To- day.	In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.
			Max.	Min.					
			24 HOURS ENDED 9 A.M. TO-DAY.						
	%	%				In.			
Greenwich (Royal Obs.) ...	72	79	56	29	2.0	-	0	o,bc	bc,b
City (Bunhill Row) ...	*	*	*	*	*	-	*	*	*
Westminster (St. James's Pk.)	67	74	55	35	2.9	-	bc	bc	bc,m
Camden Sq. (Brit. Rainfall)	51	85	56	30	2.9	-	o,b	b,bc	b,b,m
Hampstead (Reservoir) ...	*	74	52	35	2.4	-	e,bc	b,c,m	b
Kew. (See front page.)									
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.									
			Total.		Average Rate.		Max. Rate.		
S. Kensington (Roof of M.O.)	73	81	560 Joules.		13.5 Milliwatts.		42 Milliwatts.		

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

STATIONS.	12th March 1913.		
	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 6.18	G.M.T. 12.3	G.M.T. 5.48
Greenwich	6.16	12.3	5.50
Wick	6.24	12.10	5.56
Valencia	6.22	12.10	5.58
	6.41	12.22	6.3
	6.38	12.22	6.5
	7.5	12.51	6.37
	7.3	12.51	6.39

NOTES ON YESTERDAY'S WEATHER.

During yesterday the thermometer rose to between 50° and 55° in many parts of England, and to 56° at some of the south coast stations. Sharp ground frost occurred at night; at Kew the thermometer on the grass fell to 23°. In the west and north the duration of bright sunshine yesterday was large, but showers occurred locally. A heavy squall passed over Aberdeen at noon. Wireless reports show that as far west as the 18th meridian ships experienced moderate to fresh breezes from the westward and dull weather.

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.

12.25

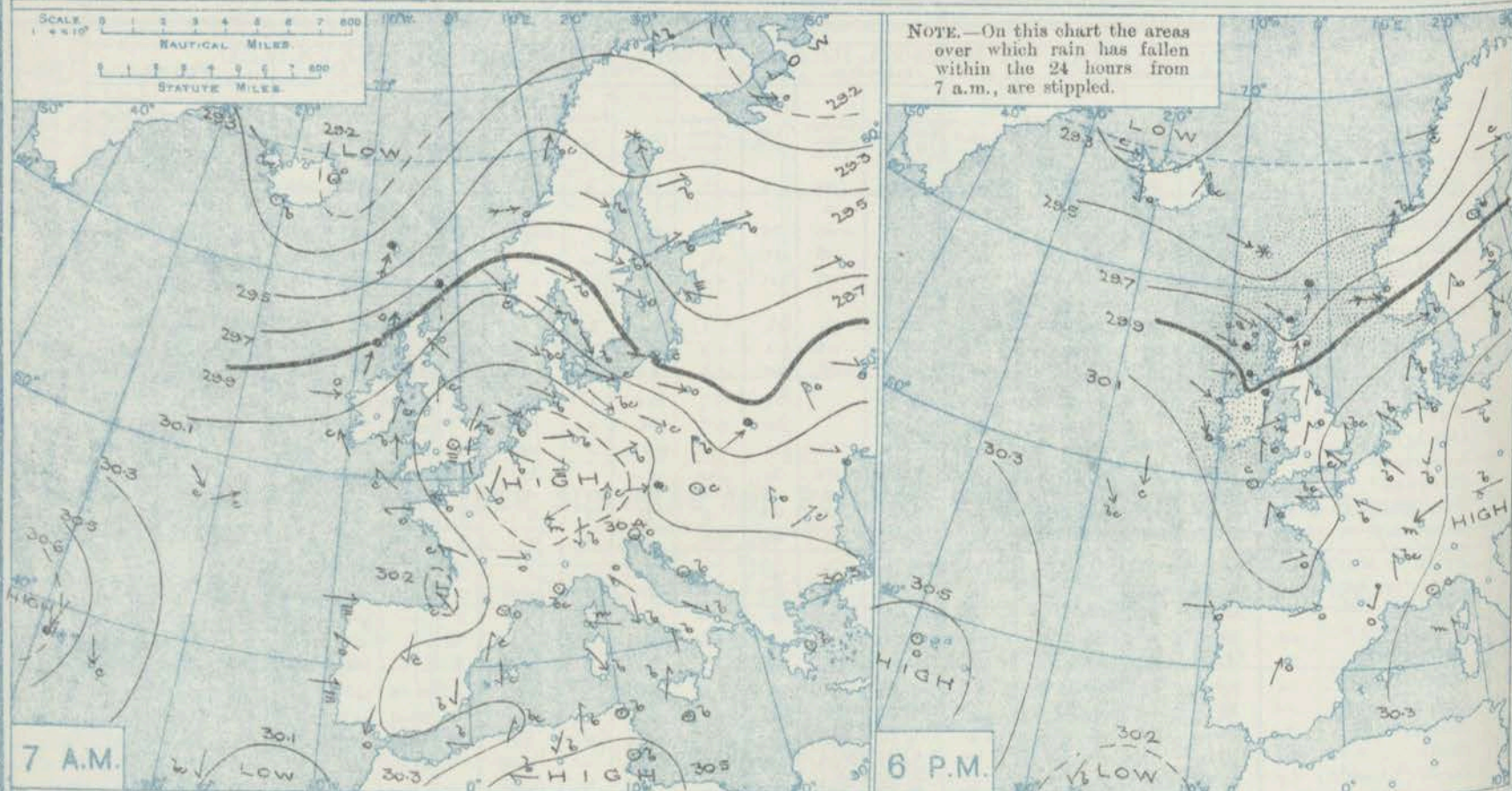
DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Thursday
13th March, 1913.

913.

13th March, 1913.																									
STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun- shine for Yester- day.	
		BAROM.		TEMP.		WIND.	Force (0 to 12).	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.					
		At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Dry Bulb.	Dir.				At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						Dir.	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night, 6 p.m. to 7 a.m.		
Spitzbergen ...		29.00	4	-	0	bc	28.94	-.00	8	-10	S	2	c	2	-	18	-4	4	4	4	4	4	4	4	4
Lerwick ...		29.53	41	SSW	5	r	29.73	+.06	35	-5	WSW	3	bcsp	2	0.31	44	32	og	og	bcsp	0.0	0.0	0.0	0.0	0.0
Stornoway ...		29.76	37	WNW	6	o	29.87	-.05	35	-9	SW	4	c	4	0.83	45	32	og	og	bcsp	0.0	0.0	0.0	0.0	0.0
Castlebay (Barra Isd.) ...		29.85	41	WNW	5	op	29.88	-.07	41	-4	S	4	o	4	0.25	47	35	op	op	bcsp	0.0	0.0	0.0	0.0	0.0
Malin Head ...		29.90	41	W	6	rmq	29.93	-.06	36	-3	SW	3	cm	2	0.02	48	35	gqm	mq	bc	0.1	0.1	0.1	0.1	0.1
Blacksod Point ...		30.01	45	WNW	5	o	29.91	-.03	42	-3	S	3	o	3	0.02	49	38	omp	omp	bc	0.1	0.1	0.1	0.1	0.1
Valencia ...		30.07	47	WNW	4	op	30.01	-.08	40	-6	SE	1	bc	4	0.20	50	34	omp	omp	bc	0.1	0.1	0.1	0.1	0.1
Roche's Point ...		30.06	48	SW	2	o	30.06	0	39	-7	NE	1	o	2	0.02	49	38	cod	o	bc	0.1	0.1	0.1	0.1	0.1
Birr Castle ...		30.00	47	W	3	c	30.01	0	30	-7	SE	2	bc	2	0.03	52	28	c	bc	bc	2.4	2.4	2.4	2.4	2.4
Donaghadee ...		29.92	46	S	3	cp	30.02	-.02	32	-5	WSW	2	bc	2	0.04	48	31	c	cp	bc	0.1	0.1	0.1	0.1	0.1
Liverpool Obsy. ...		30.04	46	WSW	3	o	30.05	+.02	39	+.4	NW	1	b	1	0	52	35	b	bc	bc	6.7	6.7	6.7	6.7	6.7
Holyhead ...		30.03	46	WSW	3	m	30.04	0	40	-3	SE	1	c	0	0	46	39	b	bc	bc	5.4	5.4	5.4	5.4	5.4
Pembroke (St. Ann's Hd.) ...		30.07	45	S	1	o	30.06	-.02	43	0	E	1	c	1	0.02	47	42	b	bc	bc	3.5	3.5	3.5	3.5	3.5
Newquay ...		30.06	46	SE	2	c	30.08	+.01	45	+.5	S	1	c	2	0.02	51	40	b	bc	bc	4.2	4.2	4.2	4.2	4.2
Scilly (St. Mary's) ...		30.05	47	-	0	c	30.08	+.01	45	-2	-	0	c	2	0.02	52	43	c	c	bc	1.6	1.6	1.6	1.6	1.6
Jersey (St. Aubin) ...		30.01	54	E	3	bc	30.10	0	47	+.2	WNW	3	ogm	3	0	57	44	c	bc	bc	6.1	6.1	6.1	6.1	6.1
Portland Bill ...		30.06	45	E	4	o	30.07	+.05	41	-5	NNW	1	b	2	0	47	40	bc	c	bc	0.1	0.1	0.1	0.1	0.1
Dungeness ...		30.09	45	ESE	3	bc	29.98	+.03	41	-3	N	2	og	2	0	47	39	c	bc	bc	0.1	0.1	0.1	0.1	0.1
Dover ...		30.11	45	SE	1	b	30.01	0	41	0	NW	4	bc	2	0	48	40	bc	b	bc	9.4	9.4	9.4	9.4	9.4
Wick ...		29.64	39	WNW	3	r	29.87	+.03	32	-8	WNW	2	bc	3	0.15	45	32	cp	cp	bc	0.1	0.1	0.1	0.1	0.1
Nairn ...		29.67	45	W	5	r	29.92	0	33	-8	W	1	bc	1	0.09	47	31	q	q	bc	5.8	5.8	5.8	5.8	5.8
Aberdeen ...		29.75	45	SSW	5	o	29.96	+.01	33	-5	WSW	2	b	2	0.03	47	33	c	q	bc	0.4	0.4	0.4	0.4	0.4
Leith ...		29.84	45	SSW	4	c	30.01	+.02	35	-8	WSW	1	bc	2	0	50	34	bc	bc	bc	0.1	0.1	0.1	0.1	0.1
North Shields ...		29.98	44	SSW	3	cp	30.03	+.02	32	-3	W	3	bc	2	0	50	30	c	o	c	4.1	4.1	4.1	4.1	4.1
Spurn Head ...		30.04	45	SSW	3	o	30.02	+.03	41	+.4	N	4	b	3	0	51	35	bc	om	bc	7.8	7.8	7.8	7.8	7.8
Yarmouth ...		30.11	41	S	3	bc	30.00	+.02	40	+.5	NW	1	b	0	0	47	35	b	bc	bc	9.0	9.0	9.0	9.0	9.0
Clacton-on-Sea ...		30.13	44	SW	1	bc	30.01	+.02	39	-3	NNW	2	bc	0	0	47	38	bc	bc	bc	9.3	9.3	9.3	9.3	9.3
Nottingham ...		30.05	47	SW	2	o	30.02	0	39	+.7	NE	2	bc	0	0	54	30	bc	bc	bc	7.4	7.4	7.4	7.4	7.4
Bath ...		30.10	46	SE	1	o	30.09	0	38	+.0	W	1	om	0	0	48	28	-	-	-	1.7	1.7	1.7	1.7	1.7
London (Kew Obsy.) ...		30.11	46	SE	2	cm	30.05	+.03	34	+.4	-	0	f	0	0	52	29	bc	bc	bc	5.8	5.8	5.8	5.8	5.8
Isafjord ...		29.26	30	W	3	c	29.30	-.01	22	+.4	NW	2	bc	0	0	0	0	0	0	0	0	0	0	0	0
Reykjavik ...		29.24	28	N	2	o	29.28	-.12	22	+.3	E	3	b	0	0	0	0	0	0	0	0	0	0	0	0
Vestmanna ...		29.42	27	NW	5	o	29.34	-.11	31	+.6	E	6	b	3	0	0	0	0	0	0	0	0	0	0	0
Seydisfjord ...		29.32	28	SW	3	bc	29.46	-.01	24	-1	S	2	b	0	0	0	0	0	0	0	0	0	0	0	0
Thorshavn ...		29.39	33	WNW	5	s	29.60	+.01	33	-10	W	3	bc	0	0	0	0	0	0	0	0	0	0	0	0
Haparanda ...		29.60	20	W	2	c	29.33	-.11	21	+.6	S	6	o	0	0	0	0	0	0	0	0	0	0	0	0
Hernösand ...		29.85	34	-	0	b	29.58	-.10	34	-1	S	2	c	0	0	0	0	0	0	0	0	0	0	0	0
Stockholm ...		30.00	37	WSW	2	b	29.73	-.08	36	+.2	SW	4	o	0	0	0	0	0	0	0	0	0	0	0	0
Wisby ...		30.13	37	NNW	2	b	29.91	-.08	37	+.2	SSW	6	bc	0	0	0	0	0	0	0	0	0	0	0	0
Karlstad ...		29.99	36	SW	2	o	29.61	-.12	36	+.2	SW	4	o	0	0	0	0	0	0	0	0	0	0	0	0
Færder (N. Taana Fjord) ...		29.95	38	SW	6	o	29.54	-.10	38	+.1	SW	7	f	0	0	0	0	0	0	0	0	0	0	0	0
Bodö ...		29.31	32	W	4	c	29.02	-.02	37	+.4	SW	9	c	0	0	0	0	0	0	0	0	0	0	0	0
Christiansund ...		29.43	43	SW	6	bc	29.45	+.10	37	-1	W	5	o	0	0.35	43	34	bc	bc	bc	0.1	0.1	0.1	0.1	0.1
Skudesnaes ...		29.87	41	W	8	o	29.74	+.04	39	-1	WNW	6	b	0	0.24	41	36	bc	bc	bc	0.1	0.1	0.1	0.1	0.1
The Scaw (Skagen) ...		30.08	38	WSW	5	b	29.69	-.06	38	-1	SSW	6	o	0	0	43	36	bc	bc	bc	0.1	0.1	0.1	0.1	0.1
Blaavands Huk ...		30.16	37	SW	3	b	29.87	+.01	41	+.2	WSW	3	m	2	0	41	36	bc	bc	bc	0.1	0.1	0.1	0.1	0.1
Cuxhaven ...		30.24	39	S	2	b	29.95	-.07	36	-3	SW	3	o	0	0										

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 12TH MARCH



GENERAL INFERENCE

A new depression which is approaching our extreme western coasts will occasion freshening Southerly and South-Westerly winds in Ireland and

WEATHER PROSPECTS.

Scotland, and showery weather in the west and north generally. Over the south-eastern quarter of England the weather is likely to remain fair for the present.

FORECASTS FOR THE 24 HOURS NOON Thursday

- 0 { South-Westerly and Southerly winds, increasing in strength; fair at first, some sleet or snow later; remaining cold.
- 1 { South-Westerly winds, freshening; fair at first, some showers later, snow or sleet in places; remaining cold.
- 2 { }
- 3 { Variable breezes, finally South-Westerly; fine in places, but chiefly
- 4 { misty or foggy; temperature below the normal.
- 5 { }

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

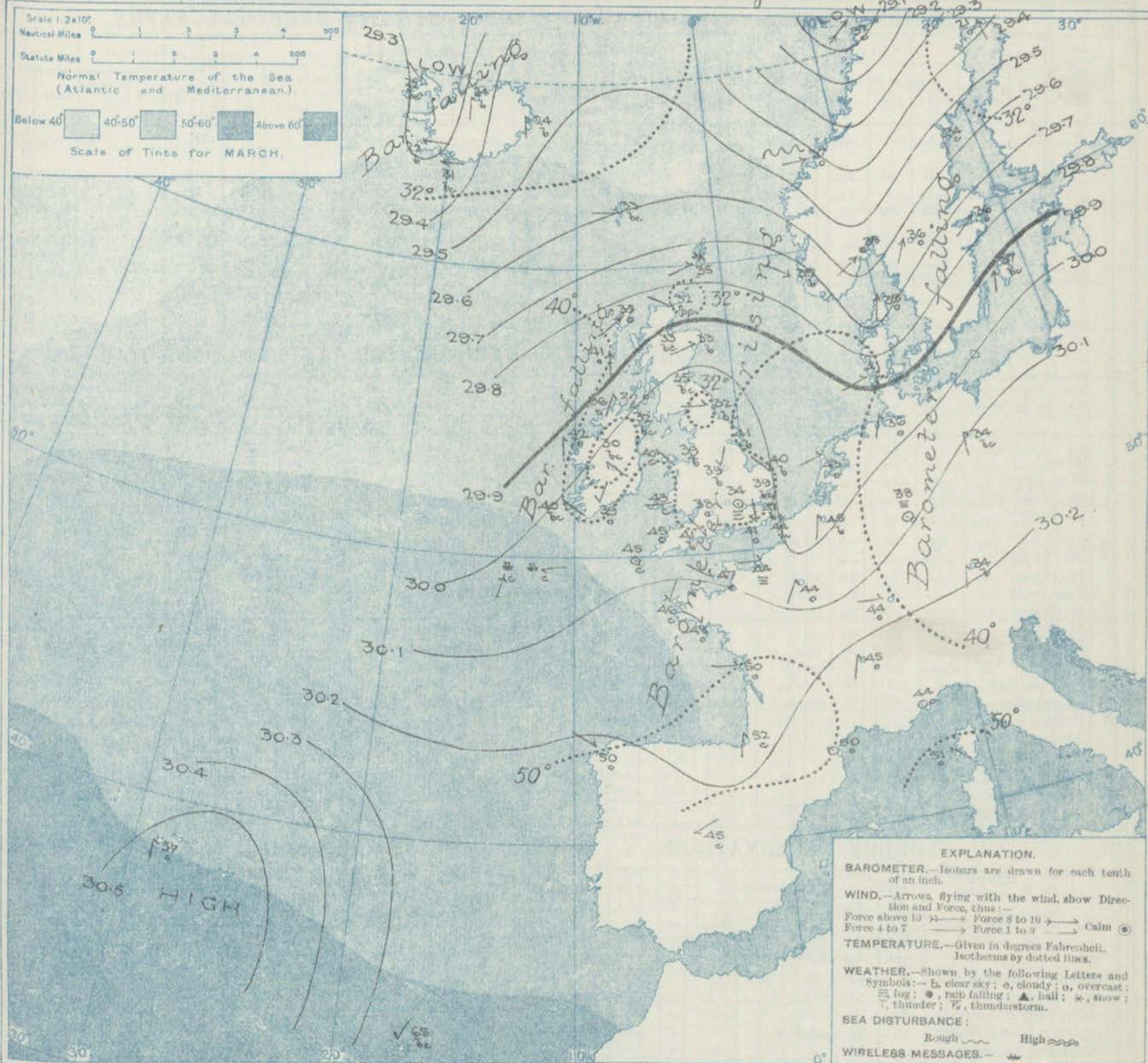
South cone hoisted at 8.45 a.m. yesterday in Districts 9, 1, 6 and 9.

TO NOON Friday.

- 6 { a { Southerly and South-Westerly winds, freshening; dull, some sleet or cold rain.
 - 7 { b { Southerly winds, light to moderate or fresh; fair at first, then cloudy, with local showers.
 - 8 { a { moderate temperature.
 - 9 { b { Same as No. 6(a).
 - 10 { a { }
 - 11 { b { }
- 11 WESTERN CHANNEL AND BAY.
Light breezes between South and West, with a slight sea; fair generally, but misty or foggy in places; moderate temperature.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. Thursday, 13th MARCH 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

A "V"-shaped trough of low pressure which advanced over these Islands yesterday is now passing away across northern Europe, but another disturbance is approaching our extreme north-west coasts.

The wind is light from the northward or north-westward on the east and south-east coasts of England, but is southerly or south-westerly over the northern parts of the Continent, and strong in force in Scandinavia. A shift to the southward has occurred in Ireland and the west of Scotland.

Temperature has fallen in Ireland and Scotland, but risen in most other parts of our area of observation. Over the major part of the United Kingdom the thermometer is now below 40°, and at many of the Irish and Scottish stations it is below 35°. The weather is fair or fine over western Europe as a whole, but fog or mist is reported at several of the English and Continental stations. Rain is falling at Faerder, and snow showers at Lerwick. The sea is slight or smooth generally, but moderate on our extreme western coasts.

DAILY WEATHER REPORT.

Thursday, 13th March 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
13th 7 a.m.	49	12	<u>Vader and</u>	H	30.14	-0.3	SSW	4-5	c	12th 6 p.m.	49	15	<u>Manitou</u>	H	30.10	-0.2	N	4-5	c
" "	49	11	<u>Manitou</u>	H	30.04	-0.3	E	1-3	c	" 7 a.m.	48	20	<u>Vaderland</u>	H	30.16	-0.3	NW	6-7	c
12. 6 p.m.	48	17	<u>Vaderland</u>	H	30.23	-0.1	NNW	6-7	bc	" "	48	19	<u>Manitou</u>	H	30.05	-0.2	WSW	4-5	c

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scotland.	In.					Hr.	Margate ...	In.					Hr.
Oban ...							Ramsgate ...		53	33	b	b	5.0
Stonehaven ...							Deal ...		54	38			5.1
St. Andrews ...							Folkestone ...		61	32	bc, b	bc, b	5.2
Carnoustie ...		49	35	bc	c, ou	4.7	Littlestone ...		49	40	b	b, bc	7.4
England, N.E.							Hastings ...						4.3
Harrogate ...		50	32	bc, b	b, bc	6.6	Bexhill-on-Sea ...		46	39	b, bc, o	o, bc, b	2.6
Scarborough ...		50	35	bc	b, b	7.5	Eastbourne ...		47	40	bc	m, bc, m	2.2
England, N.W.							Seaford ...		46	42	bc, b	c, bc	1.7
Blackpool ...		50	32	bc	b, c	8.0	Brighton ...		51	36	b, bc	b	3.1
Southport ...		53	38	c, b, bc	bc, o	6.6	Worthing ...		48	38	b, bc, c, o	of, bc, m	8.1
Buxton ...		49	39	bc, b	b	7.4	Littlehampton ...				bc	bc	2.1
Matlock ...							Bognor ...						1.5
Douglas ...							Southsea ...		48	38	o, b, b	bc, b	0.1
Wales.							Bournemouth ...		47	32	bc	c, o	0.3
Rhyl ...		52	32	b	b, bc	6.7	Weymouth ...		49	39	o	o	1.5
Colwyn Bay ...		53	40	b	b, bc, b	8.0	Teignmouth ...		49	32	b, o	bc, o	5.1
Llandudno ...		51	36	c, b	c, bc	7.7	Torquay ...		50	36	c, bc	c, o	2.1
Bettws-y-Coed ...		52	33	b, bc	b, c	7.0	Paignton ...		50	30	b, bc	bc, o	7.6
Aberystwyth ...		50	39	c, bc	c, ou	6.2	Ilfracombe ...	0.01	51	38	b	b, bc, o	2.0
England, S.							Weston-super-Mare ...		49	31	b, bc	o, bc	
Lowestoft ...		53	33	b	b, bc	9.2							
Felixstowe ...		49	32	bc	b, f	9.0							
Walton-on-Naze ...		54	35	bc, b	bc	8.0							
Southend-on-Sea ...		53	36	b	b, bc	6.9							

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain-fall.	WEATHER.			Sun-shine for Yesterday.	STATIONS.	RAIN-FALL.	TEMPERATURE.			WEATHER.			Sun-shine for Yesterday.	
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.		Min. on Grass.		Fore-noon.	After-noon.	Night.				Max.	Min.	Night Min. on Grass.	Night.	Fore-noon.	After-noon.		
24 HOURS ENDED 9 A.M. TO-DAY.																				
%	%				In.				Hr.		In.						Hr.			
Greenwich (Royal Obs.) ...	73	98	55	36	27	-	bc	bc	bc,m	9.1	Dublin to 4 p.m.	-	51	33	33	bc	c.o	bc	4.0	
City (Banhill Row) ...	*	*	*	*	*	*	*	*	*	?	Plymouth to 9 p.m.	-	54	36	19	bw	oy	bw	6.4	
Westminster (St. James's Pk.)	73	100	53	36	30	-	bc	bc,f	f	5.7	Darwen	-	48	32	23	o	bc	o	6.9	
Camden Sq. (Brit. Rainfall)	72	88	52	38	31	-	bc,b	bc,b	bc,b	5.0	Manchester "	-	50	32	17	b	bc	bc	6.9	
Hampstead (Reservoir) ...	*	85	51	37	29	-	cf	bc,f	bf	6.0	Birmingham "	-								
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.										Oxford to 8 p.m.							
			Total.		Average Rate.		Max. Rate.													
S. Kensington (Roof of M.O.)	84	94	873		Joules.		21.0 Milliwatts.		50.5 Milliwatts.		5.5	S. Kensington (Museum Grounds to 6 p.m.)	-	53	36	26	bcw	bm	c	

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

13th, 14th, 15th March 1913.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	6.16	12.3	5.50
	6.14	12.3	5.52
Greenwich ...	6.22	12.10	5.58
	6.19	12.10	5.59
Wick ...	6.36	12.22	6.5
	6.35	12.22	6.3
Valencia ...	7.2	12.51	6.39
	7.0	12.51	6.41

NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature rose to 50° and upwards in several parts of the United Kingdom. More than 9 hours of bright sunshine were recorded on our east and south-east coasts; in Ireland and the west of Scotland there was little or none. Rain fell at several of our western and northern stations, and snow or hail in the north of Scotland. Reliable reports show that between the Irish coasts and the 20th. meridian ships experienced fresh to strong winds from South-West, shifting to North-West, and fair weather.

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.

12.25.

913.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Friday,
14th March 1913.

STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun- shine for Yester- day.
	Barom.		Temp.		Wind.	Weather.	Barometer.		Temp.		Wind.	Weather.	Sea (0 to 9).	Rain- fall.	Temp.		Weather.						
	At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Force (0 to 12).	At 32° Fahr. and M.S.L. Lat. 45°.			Change since 4 a.m.	Dry Bulb.	Change since Yester- day.	Dir.					Force (0 to 12).	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.			
Spitzbergen ...	29.00	5	-	0	b	29.15	+0.4	2	-6	-	0	0	2	-	44	-6	*	*	*	*			
Lerwick ...	In.					In.								In.						Hours			
Stornoway ...	29.50	40	SSE	5	c	29.20	+0.3	39	+4	SSW	6	c	5	0.30	42	33	chs	c	cqf	0.0			
Castlebay (Barra Isd.) ...	29.26	38	S	3	org	29.37	+0.5	36	+1	WSW	5	c	5	0.48	43	36	odpq	org	chsq	0.0			
Malin Head ...	29.29	47	WSW	4	cp	29.44	+0.1	40	-1	WSW	3	c	4	0.14	47	37	odpqn	odpqn	chsq	0.0			
Blacksod Point ...	29.34	45	SSW	9	ormq	29.52	0.0	41	+5	W	8	cq	5	0.20	46	35	ormq	ormq	ormq	*			
Valencia ...	29.52	49	SW	7	m	29.61	0.0	44	+2	WSW	4	0	3	0.40	50	40	ormq	ormq	ormq	*			
Roche's Point ...	29.69	51	SW	5	m	29.71	-0.2	44	+4	SSE	2	om	4	0.24	52	38	org	org	orm	0.1			
Birr Castle ...	29.77	48	SSW	5	r	29.76		43	+4	NNW	2	r	4	0.24	50	38	c	orm	dmr	*			
Donaghadee ...	29.62	47	S	4	r	29.69		40	+10	SW	1	c	*	0.06	49	28	c	c. or	cq	0.0			
Liverpool Obsy. ...	29.59	44	SSW	4	r	29.64	+0.1	41	+9	SSW	3	c	2	0.07	46	31	c	c. or	bcp	0.0			
Holyhead ...	29.80	46	SSW	5	0	29.74	+0.2	42	+3	W	3	0	3	0.21	50	39	b	org	or	3.9			
Pembroke (St. Ann's Hd.) ...	29.77	47	WSW	5	r	29.71	+0.1	45	+5	-	0	r	0	0.25	48	34	orm	orm	orm	2.4			
Newquay ...	29.89	47	SW	6	c	29.78	-0.1	44	+1	NNW	2	r	3	0.18	49	41	cq	cq	cqpd	0.5			
Scilly (St. Mary's) ...	30.01	48	SSW	4	0	29.85	-0.2	47	+2	SW	5	omd	4	0.18	52	45	bc	bc	om. om	2.5			
Jersey (St. Aubin) ...	29.99	49	SW	5	cm	29.86	-0.3	50	+5	SW	5	omd	5	0.03	52	43	cp	cm	omd	2.9			
Portland Bill ...	30.12	49	SW	3	ogm	30.06		49	+2	SW	4	ogm	3	-	53	45	bc	c. or	c. or	3.3			
Dungeness ...	30.05	48	SW	3	c	29.90	-0.2	49	+8	SW	6	ogm	4	0.02	50	41	bc	bc	bc. or	*			
Dover ...	30.01	46	SW	5	c	29.92	-0.3	48	+7	SW	5	ogm	5	0.02	51	40	bc	bc	bc. or	*			
Wick ...	30.06	44	SW	4	0	29.94		46	+5	SW	6	0	6	0.02	53	41	bc	bc	bc. or	8.0			
Nairn ...	29.39	40	S	7	r	29.37	+0.3	35	+3	WSW	4	bcq	4	0.04	41	31	bc. or	orm	cq. bc	*			
Aberdeen ...	29.41	41	WSW	3	0	29.44		34	+1	WSW	1	bc	1	0.06	41	32	gc	gc	gc. bc	0.0			
Leith ...	29.55	42	SSW	5	0	29.50	+0.6	38	+5	W	1	b	2	-	44	33	bc. or	0	gc. bc	0.9			
North Shields ...	29.55	44	SSW	4	0	29.50	+0.3	41	+6	WSW	3	c	*	0.08	48	35	c	0	gc. bc	*			
Spurn Head ...	29.73	45	S	3	exy	29.63	+0.2	44	+2	SW	3	0	2	0.03	48	31	c	0	r	3.4			
Yarmouth ...	29.88	46	SSE	4	0	29.73	+0.4	46	+5	WSW	4	c	3	0.01	47	34	om. c	0. c.	gc. bc	5.1			
Clacton-on-Sea ...	29.99	46	SSE	2	bc	29.81	-0.2	48	+8	SW	4	r	3	-	49	39	bm	bc	bm. or	6.1			
Nottingham ...	30.00	45	SSE	2	c	29.87	-0.2	47	+8	SW	4	0	4	0.03	51	38	bc	bc	gc. or	8.2			
Bath ...	29.90	49	SW	5	0	29.75		46	+7	NNW	4	r	*	0.10	50	39	bm. or	0	gc. or	4.8			
London (Kew Obsy.) ...	30.00	50	SSW	3	0	29.85		52	+14	WSW	5	0	*	0.01	53	38	-	-	-	1.8			
Isafjord ...	30.02	49	SW	3	c	29.88	-0.1	49	+15	SW	5	0	*	0.03	53	33	bm. or	om. c	c. or	2.8			
Reykjavik ...	29.06	30	E	8	c	29.95	+0.2	28	+6	NE	9	0	*	-	-	-	-	-	-				
Vestmanna ...	28.63	32	NE	7	0	28.50	+0.3	30	+8	N	5	c	*	-	-	-	-	-	-				
Seydisfjord ...	28.44	33	EHE	9	b	28.38	+0.8	31	0	W	4	5	5	-	-	-	-	-	-				
Thorshavn ...	29.23	30	NE	2	0	28.85	-0.4	30	+6	NE	7	5	*	-	-	-	-	-	-				
Haparanda ...	29.21	37	SSE	9	r	28.98	+0.4	38	+5	WSW	5	0	*	-	-	-	-	-	-				
Hernösand ...	29.28	23	W	4	b	29.47	+0.2	14	-7	SW	2	b	*	-	32	12	bc	bc	bc. or				
Stockholm ...	29.63	31	NW	2	b	29.59	-0.6	30	-4	SW	2	b	*	Trace	41	23	bc	bc	bc. or				
Wisby ...	29.75	34	NNW	4	b	29.76	-0.3	32	-4	S	2	c	*	-	39	28	bc	bc	bc. or				
Karlstad ...	29.82	37	SSW	2	b	29.86	-0.1	35	-2	SW	2	bc	*	-	39	30	bc	bc	bc. or				
Færder (X'ania Fjord) ...	29.80	34	SW	2	bc	29.67	-0.4	34	-2	SSE	2	c	*	Trace	48	28	bc	bc	bc. or				
Bodö ...	29.81	37	WSW	2	b	29.56	-0.4	38	0	S	6	0	4	-	43	37	bc	bc	bc. or				
Christiansund ...	29.37	29	W	6	c	29.36	-0.3	30	-7	W	4	bc	3	?	37	27	bc	bc	bc. or				
Skudesnaes ...	29.60	35	SW	3	c	29.30	-1.8	36	-1	SE	5	0	5	0.08	37	32	bc	bc	bc. or				
The Scaw (Skagen) ...	29.78	40	SSW	6	0	29.39	-0.1	42	+3	SW	6	c	4	0.28	43	36	bc	bc	bc. or				
Blaavands Huk ...	29.89	37	W	4	b	29.65	-0.9	38	0	SSW	5	r	1	-	43	36	bc	bc	bc. or				
Cuxhaven ...	29.97	37	SW	1	0	29.73	-0.7	40	-1	SW	4	r	3	0.04	43	34	bc	bc	bc. or				
The Helder ...	29.98	40	E	1	b	29.88	-0.3	42	+6	SW	4	0	*	-	46	36	bc	bc	bc. or				
Brussels ...	30.00	41	NNW	1	c	29.86	-0.2	44	+1	SSW	6	r	3	Trace	46	36	bc	bc	bc. or				
Berlin ...	30.08	48	SW	2	0	30.05	0.0	45	0	SW	5	0	*	-	58	44	bc	bc	bc. or				
Frankfurt ...	30.03	45	W	1	b	30.02	+0.1	39	+5	SW	1	0	*	-	50	34	bc	bc	bc. or				
Munich ...	30.09	49	SW	2	b	30.15	0.0	47	+9	SW	4	0	*	-	57	37	bc	bc	bc. or				
C. Gris Nez ...	30.15	48	W	2	0	30.28	+0.2	40	+6	SW	2	bc	*	-	57	34	bc	bc	bc. or				
La Hève ...	30.05	45	WSW	5	m	29.95	-0.2	46	+2	SSW	6	0	5	Trace	52	44	bc	bc	bc. or				
Brest (St. Mathieu) ...	30.08	43	WSW	2	m	30.06		45	+1	SW	4	c	4	-	48	43	bc	bc	bc. or				
Lorient (Bec Melen) ...	30.17	50	WSW	3	c	30.09	-0.2	50	+4	SW	4	0	4	-	54	46	bc	bc	bc. or				
Rocheport (Ile d'Alx) ...	30.16	50	W	3	c	30.16		50	+2	WSW	4	0	2	-	55	41	bc	bc	bc. or				
Biarritz ...	30.24	52	W	3	0	30.26		49	-1	SW	3	c	*	-	59	48	bc	bc	bc. or				
Paris ...	30.25	54	NNE	1	c	30.28	0.0	51	-1	ESE	3	0	2	-	59	48	bc	bc	bc. or				
Belfort ...	30.15	50	SW	2	0	30.18	+0.1	43	-1	SSW	2	c	*	-	51	42	bc	bc	bc. or				
Lyons ...	30.12	54	W	4	0	30.30		45	+1	W	3	0	*	-	58	44	bc	bc	bc. or				
Nice ...	30.21	53	SSE	1	c	30.32		46	+1	NNW	1	0	*	-	63	45	bc	bc	bc. or				
Perpignan ...	30.24	48	-	0	c	30.29	+0.2	50	+6	-	0	b	1	-	51	44	bc	bc	bc. or				

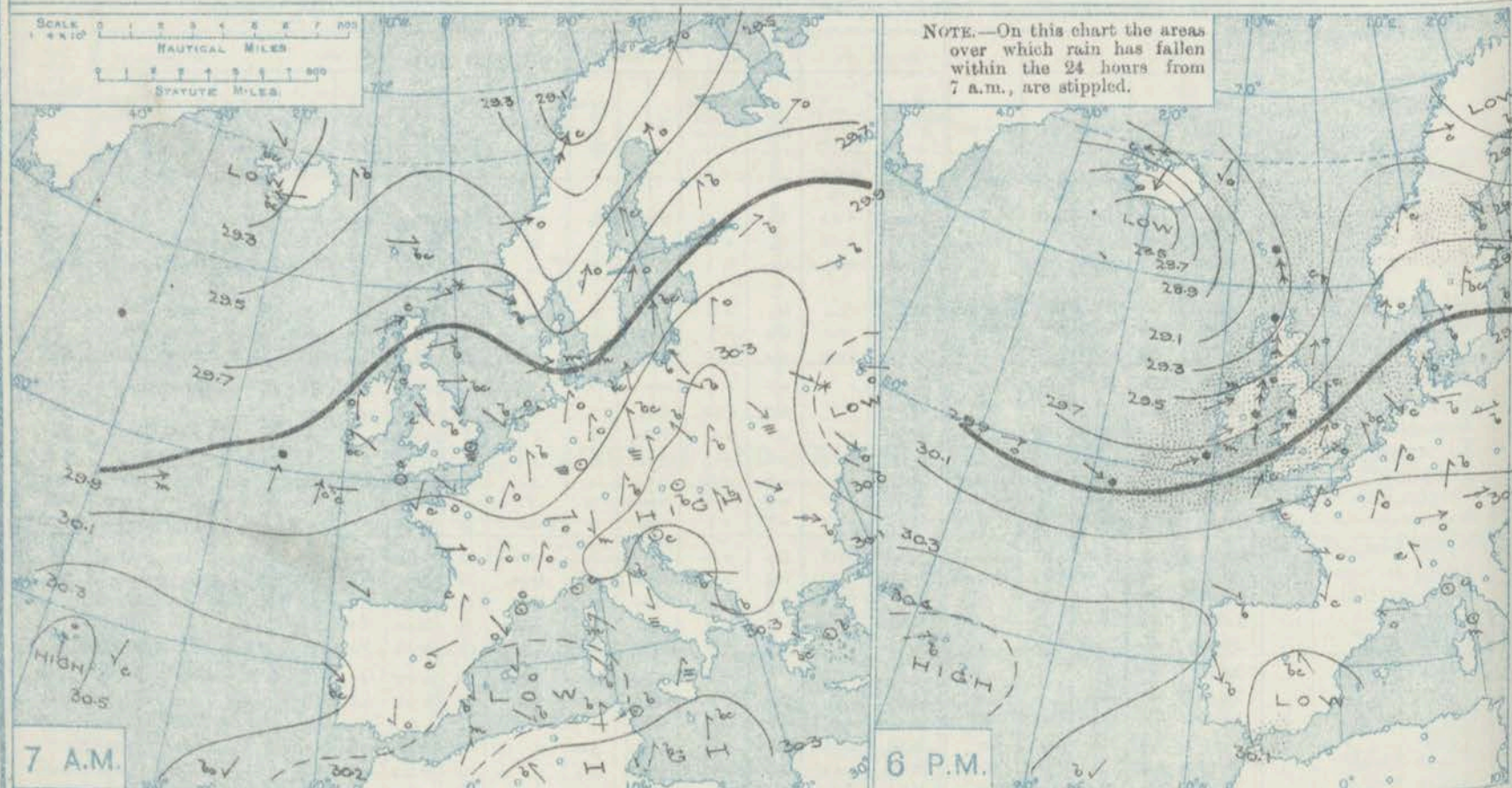
GALES.

Duration and Extreme Force
on British Coasts.Lerwick. Wind.
Sq. SSE. 8.Stornoway. 1 p.m. to 6 p.m.
Extreme S. 8.Malin Head. 2 p.m. to 7 p.m.
Extreme W. 9.Blacksod Pt. 10 a.m. to 5 p.m.
Extreme S. 8.Wick. 7 p.m. to 11 p.m.
Extreme Sgs. WSW. 8.

* Information for these columns not usually received.

† Received too late for insertion in Charts.

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 13TH MARCH



GENERAL INFERENCE

The deep depression in the far north and the small secondaries over our south-west coasts will travel in an easterly or possibly in a north-easterly direction.

WEATHER PROSPECTS.

The latter systems will cause further falls of rain over England to-day, followed by a temporary improvement in the weather.

FORECASTS FOR THE 24 HOURS NOON Friday

TO NOON Saturday

0 { a South-Westerly to Westerly winds, strong; cold; changeable, some showers.
b

1 { a South-Westerly and Westerly winds, moderate or fresh; changeable, some showers; rather milder.
b

3 { a Fresh or strong South-Westerly winds, shifting temporarily to the Westward or North-Westward; cloudy to day, with occasional rain, improving to-morrow; continuing mild.
b

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

South Cone hoisted yesterday at 3.47 p.m. in District 1 and 2, rehoisted at 7.15 p.m. in 0, 1, 6, 7, and hoisted at 7.15 p.m. in 2.

6 { a Same as No. 0.
b Westerly and South-Westerly winds, moderate or fresh; mild; changeable, some showers.

8 { a Moderate or fresh North-Westerly winds, backing later to South-West or South; changeable, showery; continuing mild.
b

9 { a Same as No. 0.
b

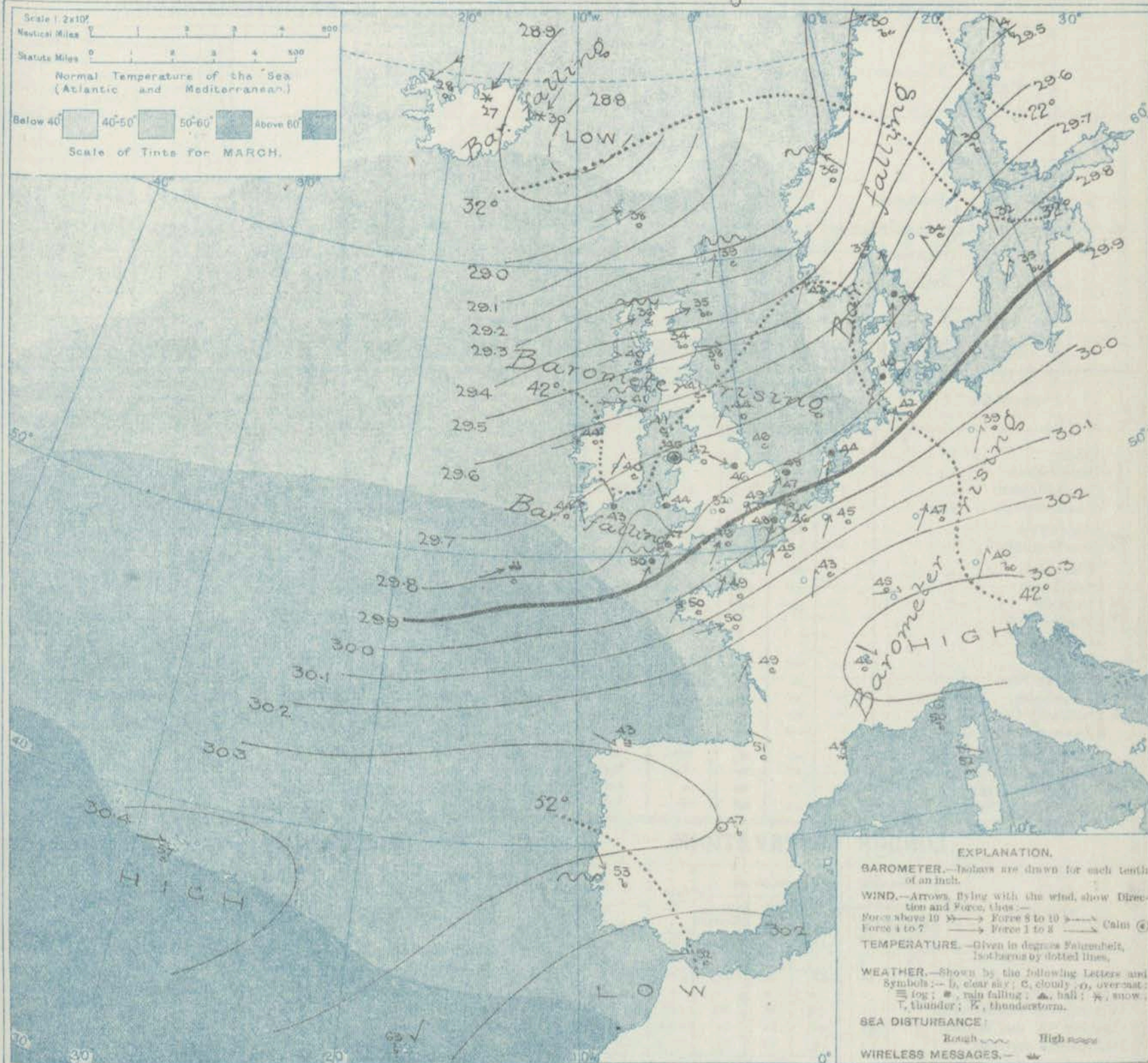
10 { a Southerly and South-Westerly winds, moderate or fresh; changeable, showery; normal temperature.
b

11 WESTERN CHANNEL AND BAY.

Fresh or strong Westerly and South-Westerly winds, and a rather rough sea; mild; cloudy, occasional rain.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. *Friday, 14th* MARCH 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

A deep depression is moving eastward from Iceland, and small secondary disturbances are advancing in a similar direction over our own south-west coasts. Pressure is still highest over the Azores region, but is nearly as high over Switzerland and the south of France.

South-Westerly winds prevail over western Europe as a whole, and blow strongly in the Channel, as well as in Shetland and on the eastern side of the North Sea. High winds

from N.E. are reported in Iceland. Temperature has risen decidedly over the United Kingdom, and now ranges from 52° at Bath and between 48° and 50° over the south of England generally to 35° or rather less in the north of Scotland. Frost prevails over northern Scandinavia and also in Iceland. The weather is fine in Scotland and in the north of Scandinavia. Elsewhere the sky is cloudy or overcast, with rain at many of our own central and southern stations, as well as in Holland and Denmark. The sea is rather rough in the Channel and off the north of Scotland, moderate or slight elsewhere.

DAILY WEATHER REPORT.

Friday, March 14th 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- Outward. H- Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- Outward. H- Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
14th 7 a.m.	49	13	Oceanic	H	29.80	-0.6	WSW	4-5	0	13th 1 p.m.	49	10	Saderland	H	30.08	-0.2	SW	4-5	6
12th 6 p.m.	49	23	Empress of Ireland	H	29.85	-0.5	W	4-5	C	" 7 a.m.	49	27	Empress of Ireland	H	29.85	0.0	W	4-5	0
" "	48	19	Oceanic	H	29.84	0.0	WNW	6-7	T	" "	47	28	Oceanic	H	29.91	-0.5	SW	6-7	m
" "	51	11	Celtic	H	?	?	WSW	4-5	T	" "	50	16	Celtic	H	29.94	-1.2	SSW	4-5	T

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	Hr.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	Hr.
		Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.		
Scotland.	In.							Margate	In.	51	42	b	b, bc	7.0	
Oban								Ramsgate		50	41	"	"	7.2	
Stonehaven								Deal		52	39	bc, m	bc, m	8.3	
St. Andrews		45	31	0	0, c	0.3		Folkestone		51	41	b	b, bc	7.5	
Carnoustie								Littlestone		"	"	"	"	7.6	
England, N.E.								Hastings		51	42	b	c, bc	7.6	
Harrogate		48	30	b, bc, c	0, bc, 0	4.1		Bexhill-on-Sea		53	42	b	bc	7.6	
Scarborough		47	35	bc	bc	5.5		Eastbourne		52	40	b	b, bc	8.0	
Blackpool		50	31	c	0	4.5		Seaford		51	38	b, bc	b	8.5	
Southport		49	33	bc, c, 0	bc, 0	3.5		Brighton		50	40	b, 0	b, bc	9.0	
Buxton		47	32	bc	bc	3.8		Worthing		54	38	b	b	9.0	
Matlock								Littlehampton		"	"	"	"		
Douglas								Bognor							
Wales.								Southsea		54	38	b	b	8.5	
Rhyl		50	32	b	bc, c	3.8		Bournemouth		53	36	c, bc, b	bc	8.4	
Colwyn Bay		51	37	bc, b	bc	6.0		Weymouth		52	38	c, bc	bc, c	8.0	
Llandudno	0.01	51	39	b	bc, c	5.4		Teignmouth		53	39	bc	bc, c	2.5	
Bettws-y-Coed		50	35	b	b, bc, c	2.3		Torquay		51	36	b, bc	b, bc	2.6	
Aberystwyth		49	41	0	ac, 0	0.0		Paignton		52	34	b, bc	bc	2.6	
England, E.								Ilfracombe		51	41	g, bc	bc, c, ou	0.3	
Lowestoft		45	36	b, bc	c	6.1		Weston-super-Mare		51	37	c	c, bc		
Felixstowe		51	36	bf	bc, f	5.1									
Walton-on-Naze		51	46	b	bc	7.9									
Southend-on-Sea		54	38	b	b, bc	6.9									

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.		Rain- fall.	WEATHER.		Sun- shine for Yesterday.	STATIONS.	Rain- fall.	TEMPERATURE.		WEATHER.		Sun- shine for Yesterday.
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.	Min. on Grass.		Fore- noon.	After- noon.				In Screen.	Night Min. on Grass.	Night.	Fore- noon.	
Greenwich (Royal Obsy.)	68	95	56	38	39	0.04	f	6	Dublin to 4 p.m.	In.	50	32	29	sp, c	bc, ou
City (Bunhill Row)	"	"	"	"	"	"	"	"	Plymouth to 9 p.m.	Trace	50	39	30	bc, g	bc, ou
Westminster (St. James's Pk.)	67	92	54	38	35	0.02	bc	bc, r	Darwen	0.02	47	30	28	or	bc
Camden Sq. (Brit. Rainfall)	71	93	54	44	41	0.02	bf	ou, bc	Manchester	"	48	38	23	0	c
Hampstead (Reservoir)	"	89	48	43	39	0.02	bc	ou	Birmingham	"	54	34	28	0, bc, f	c, 0
Kew. (See front page.)									Oxford to 8 p.m.	"					
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.															
Total.			Average Rate.			Max. Rate.			S. Kensington (Museum Grounds to 6 p.m.)						
71			475 Joules.			11.4 Milliwatts.			55						
94						2.0 Milliwatts.			37						

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

14th-15th March 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 6.14 6.11	G.M.T. 12.3 12.2	G.M.T. 5.52 5.54
Greenwich	6.19 6.17	12.10 12.9	5.59 5.2
Wick	6.35 6.32	12.22 12.21	6.6 6.11
Valencia	7.0 6.55	12.51 12.50	6.41 6.43

NOTES ON YESTERDAY'S WEATHER.

During yesterday the thermometer rose to 50° and upwards in many parts of England and Ireland. Between 8 and 9 hours of bright sunshine were recorded on many parts of our east and south-east coasts. Rain was experienced in the western and northern districts, and fresh gales from the Southward and South-Westward blew on our extreme north and north-west coasts. Wireless reports show that as far west as the 25th meridian ships experienced moderate to fresh winds from between West and South-West and changeably showery weather.

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; i, 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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BRITISH ISLANDS.

IRELAND & FAEROE.

SCANDINAVIA.

GERMANY, &c.

FRANCE.

SPAIN, PORTUGAL, &c.

12.20

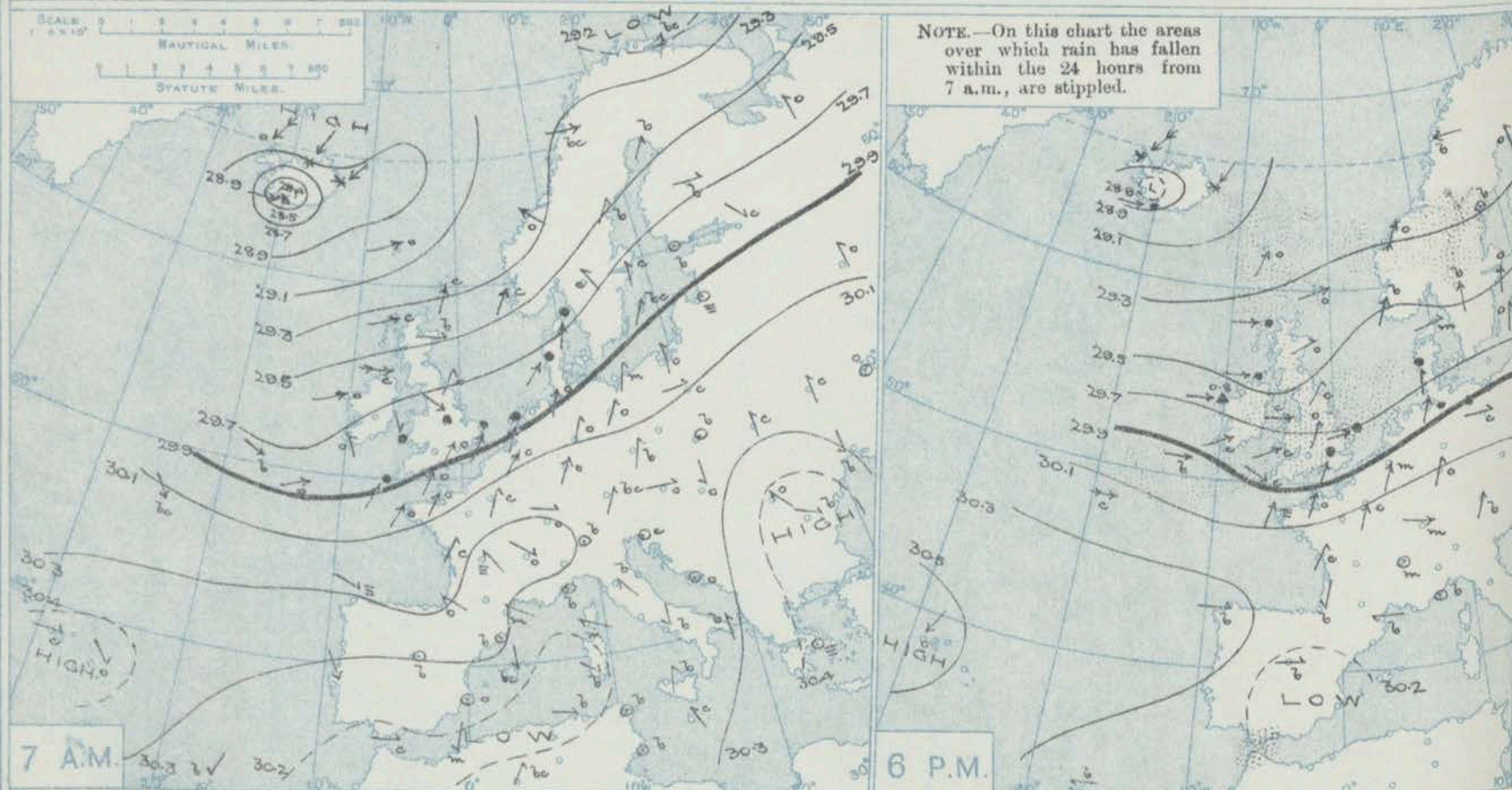
DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Saturday

15th March 1913.

STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
	BAROM.		TEMP.		WIND.	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.			
	At 32° Fahr. and M.S.L. Lat. 46°.	Dry Bulb.	Wet Bulb.	Force (0 to 12).			At 32° Fahr. and M.S.L. Lat. 46°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						Dirac.	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	
Spitzbergen ...	29.18	-3	S	1	b	29.20	+0.03	7	+5	-	0	0	?	-	7	-13	+	+	+	Hours	
Lerwick ...	29.37	35	WSW	4	o	29.27	-0.01	34	-5	WSW	2	c	1	0.22	44	33	bc	oph	eps	3.5	
Stornoway ...	29.39	39	W	4	o	29.46	+0.05	33	-3	W	4	s	1	0.21	41	32	ephay	c.op	eps	2.0	
Castletay (Barra Isd.) ...	29.42	36	WSW	3	o	29.53	+0.04	27	-3	W	4	o	1	0.10	42	31	e.bco	csp.op	hscsp		
Malin Head ...	29.47	37	W	6	b.cqy	29.61	+0.04	34	-7	W	6	sq	6	0.14	45	33	ops	bcq	spq	*	
Blackod Point ...	29.63	40	W	5	ohq	29.77	+0.03	36	-8	W	6	m.bq	4	0.78	45	32	amp	omphq	emphq	4.1	
Valencia ...	29.80	45	WSW	5	cqy	30.02	+0.05	37	-7	WSW	5	o	6	0.18	50	35	c.b.hq	bc.hq	h.pq		
Roche's Point ...	29.80	42	WNW	3	b	30.04		35	-3	WNW	3	b	3	0.16	49	35	opq	c.opq	b.bq	*	
Birr Castle ...	29.69	38	W	3	c	29.89		31	-9	W	2	b	*	0.12	48	31	cp	cp	csp.bx	2.9	
Donaghadee ...	29.51	44	WSW	4	bcq	29.72	+0.08	33	-8	W	3	s	2	0.06	49	33	dgm	bopq	bopq	*	
Liverpool Obsy. ...	29.64	43	SW	3	o	29.76	-0.02	37	-5	WSW	5	c	4	0.15	48	36	or	c.op	bc	0.9	
Holyhead ...	29.62	45	W	5	c	29.80	+0.03	38	-7	W	7	bc	6	-	45	38	og	bc	bcq	1.0	
Pembroke (St. Ann's Hd.) ...	29.75	44	WSW	6	c	29.95	+0.10	40	-4	WSW	7	cq	6	0.32	46	36	omr	omr	an.cq	0.1	
Newquay ...	29.84	47	WSW	6	c	30.13	+0.10	39	-8	W	7	cp.hq	6	0.13	51	38	omp	op.c	bc.cq	0.0	
Silly (St. Mary's) ...	29.88	46	WNW	6	cpq	30.14	+0.09	43	-7	WNW	7	cq	7	0.14	52	37	opm	cpq	cpq	0.1	
Jersey (St. Aubin) ...	29.99	52	SW	4	ogm	30.21		44	-5	ESE	5	cpq	5	0.10	54	40	ogm	ogm	othq	0.0	
Portland Bill ...	29.79	49	WSW	7	r	30.05	+0.05	43	-6	W	7	c	6	0.04	50	41	o	or	r.ep	*	
Dungeness ...	29.83	50	SW	7	rq	29.97	+0.01	45	-3	WSW	6	c	6	0.04	51	42	c.c.o	orq	rqebe	*	
Dover ...	29.87	49	SSW	6	o	30.01		43	-3	WSW	4	c	5	0.05	49	38	ad.o	o	acrb	0.0	
Wick ...	29.41	40	WSW	3	o	29.40	+0.06	33	-2	W	3	c	3	-	43	31	bcq.c	bc.o	bc.c	*	
Nairn ...	29.42	40	-	0	o	29.46		33	-1	WSW	1	bc	1	0.05	45	31	e.bc	og	ps.bc	5.6	
Aberdeen ...	29.46	44	SW	2	o	29.50	+0.05	35	-3	W	3	b	2	0.01	50	34	b	bc.c.o	op.b	6.5	
Leith ...	29.42	43	SSW	2	c	29.62	+0.05	36	-5	WSW	4	b	*	0.04	49	34	cp.bcb	bc.ep	c.opq	*	
North Shields ...	29.55	44	SW	3	cq	29.64	+0.02	35	-9	WSW	2	bc	2	-	48	33	c	o	c.op	0.2	
Spurn Head ...	29.64	41	S	1	r	29.77	+0.02	37	-9	WSW	6	cq	4	0.29	46	35	omr	omr	corq	0.0	
Yarmouth ...	29.70	50	SW	4	r	29.89	+0.08	37	-11	SW	2	bc	2	0.05	53	36	or	od	op.b	0.0	
Clacton-on-Sea ...	29.75	49	SW	6	o	29.94	+0.02	41	-6	SW	4	bc	3	0.02	51	39	og	ogp	og.bc	0.0	
Nottingham ...	29.69	41	SW	2	o	29.83		37	-9	SW	4	r	*	0.47	46	34	r.m	r.om	op.c	0.0	
Bath ...	29.78	48	W	4	o	30.01		39	-13	W	7	r	*	0.15	54	36	-	-	-	0.0	
London (Kew Obsy.) ...	29.76	50	SSW	6	orq	29.96	+0.03	41	-8	SW	5	bc	*	0.08	53	38	aq	orq	orq.c	0.0	
Isafjord ...	29.04	26	NE	9	s	29.44	+0.09	26	-2	NE	9	o	*	*	*	*	GALES.				
Reykjavik ...	28.74	30	N	3	s	29.14	+0.04	24	-6	E	3	b	*	*	*	*	Duration and Extreme Force				
Vestmanna ...	28.38	28	W	7	o	29.15	+0.03	29	-2	E	5	c	2	*	*	*	on British Coasts.				
Seydisfjord ...	28.96	21	NE	5	s	29.33	+0.06	31	+1	NE	2	s	*	*	*	*	Newquay				
Thorshavn ...	29.22	36	SW	4	o	29.25	.00	31	-7	WNW	1	o	*	*	*	*	Night squalls force 8.				
Haparanda ...	29.27	24	S	2	o	29.16	+0.01	25	+11	N	2	o	*	0.08	27	14	Silly				
Hernösand ...	29.30	30	-	0	b	29.32	.00	29	-1	-	0	b	*	0.04	36	21	3am-5am Extreme W.W. 8				
Stockholm ...	29.49	39	SSW	4	o	29.37	-0.04	37	+5	WSW	2	o	*	-	41	32	squalls 10				
Wisby ...	29.60	40	SSW	2	o	29.40	-0.10	39	+4	SSW	2	f	*	0.20	43	35					
Karlstad ...	29.47	36	S	4	b	29.36	-0.02	32	-2	-	0	f	*	-	39	30	Jersey				
Færder (X'tania Fjord) ...	29.48	38	WSW	2	bc	29.34	-0.04	35	-3	S	2	c	3	-	39	34	Night squalls 8.				
Bodö ...	29.44	27	E	6	b	29.09	-0.01	32	+2	E	4	s	2	?	32	25					
Christiansund ...	29.26	36	SW	9	o	29.23	-0.03	36	0	SW	1	c	5	0.24	39	34	Portland Bill				
Skudesnaes ..	29.50	40	SW	4	b	29.23	-0.06	34	-8	S	6	s	4	-	45	34	3am-7am Extreme W. 8.				
The Scaw (Skagen) ...	29.56	41	WSW	3	m	29.38	-0.05	39	+1	SSW	1	r	0	0.08	43	37					
Blaavands Huk ...	29.62	40	SSW	2	r	29.53	+0.01	40	0	W	6	o	5	0.47	41	37	London (Kew)				
Cuxhaven ...	29.77	47	SW	6	o	29.74	+0.06	43	+1	W	7	c	*	0.28	48	42	10.5am squalls 40mph (8)				
The Helder ...	29.75	47	SSW	8	o	29.89	+0.10	42	-2	WSW	6	bc	3	0.16	47	41	3.40pm do 43 - (8)				
Brussels ...	29.94	52	SSW	5	m	30.05	+0.09	42	-3	WSW	3	bc	*	0.04	54	42	5.40pm do 43 - (8)				
Berlin ...	29.97	48	W	2	c	29.83	-0.02	49	+10	SW	4	o	*	Trace	54	39					
Frankfurt ...	30.06	52	SW	3	o	30.05	+0.01	48	+1	SW	3	r	*	-	57	46	Southport				
Munich ...	30.17	47	SW	2	b	30.19	+0.01	44	+4	SW	4	b	*	-	55	39					
C. Gris Nez ...	29.87	43	SSW	6	o	30.02	+0.05	45	-1	WSW	6	r	5	0.04	48	43	11am-2am Extreme W. 8				
La Hève ...	29.95	46	SW	5	c	30.09	*	43	-2	WSW	5	bc	5	-	52	39	do. in gulf 58mph (9)				
Brest (St. Mathieu) ...	30.01	50	SW	6	f	30.30	+0.01	46	-4	NW	5	c	4	-	54	45					
Lorient (Bec Melen) ...	30.06	50	SW	6	o	30.25	*	50	0	W	5	c	4	-	55	45					
Rocheport (Ile d'Als) ...	30.23	52	SW	3	c	30.36	*	50	+1	WNW	3	c	*	0.04	55	48					
Biarritz ...	30.26	54	NNE	2	b	30.44	+0.06	51	0	WSW	4	o	3	-	61	48					
Paris ...	30.12	53	SSW	3	o	30.23	+0.09	44	+1	SW	2	b	*	0.04	57	43					
Belfort ...	30.13	54	W	4	m	30.26	*	45	0	W	6	m	*	-	58	41					
Lyons ...	30.24	53	ESE	1	m	30.36	*	45	-1	WSW	1	o	*	-	59	42					
Nice ...	30.24	48	-	0	b	30.31	+0.02	49	-1	-	0	b	1	-	59	43					
Perpignan ...	30.25	53	E	1	b	30.37	+0.04	44	-1	W	1	m	*	-	64	41					
Sanguinaires ...	30.28	54	N	2	m	30.33	*	54	+2	SSE	1	m	2	-	61	46					
Corunna (8 a.m.) ...	30.38	54	W	1	b	30.50	+0.08	51	+8	NNW	1	b	5	-	59	46					
Lisbon (9 a.m.) † ...	30.29	55	NW	4	b	30.32	+0.02	56	+2	N	3										

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 14TH MARCH.



GENERAL INFERENCE

Small secondary depressions are likely to pass across Ireland and England today, causing showers of hail, sleet or snow in most districts. The new disturbance which is

WEATHER PROSPECTS.

approaching Iceland will occasion a backing of the wind to the south. Westward on our extreme western and northern coasts.

FORECASTS FOR THE 24 HOURS NOON SATURDAY

TO NOON SUNDAY.

- 0 { a } Westerly to South Westerly winds, freshening; cold, changeable, some snow showers.
 { b }
- 1 { Westerly to South Westerly winds, moderate or fresh; fair; cold.
- 2 { a } Westerly and South Westerly
 { b }
- 3 winds strong in places, cold, changeable, some hail or sleet
- 4 { a } showers, fine intervals.
 { b }
- 5

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

NO WARNINGS

ISSUED.

- 6 { a } Same as No. 0.
 { b }
- 7 { a } Strong Westerly winds,
 { b } moderating later, some hail or sleet showers at first, then fair; remaining cold.
- 8 { a }
 { b }
- 9 { a } Westerly to South Westerly
 { b } winds, strong in places; fair generally; remaining cold.
- 10 { a }
 { b }

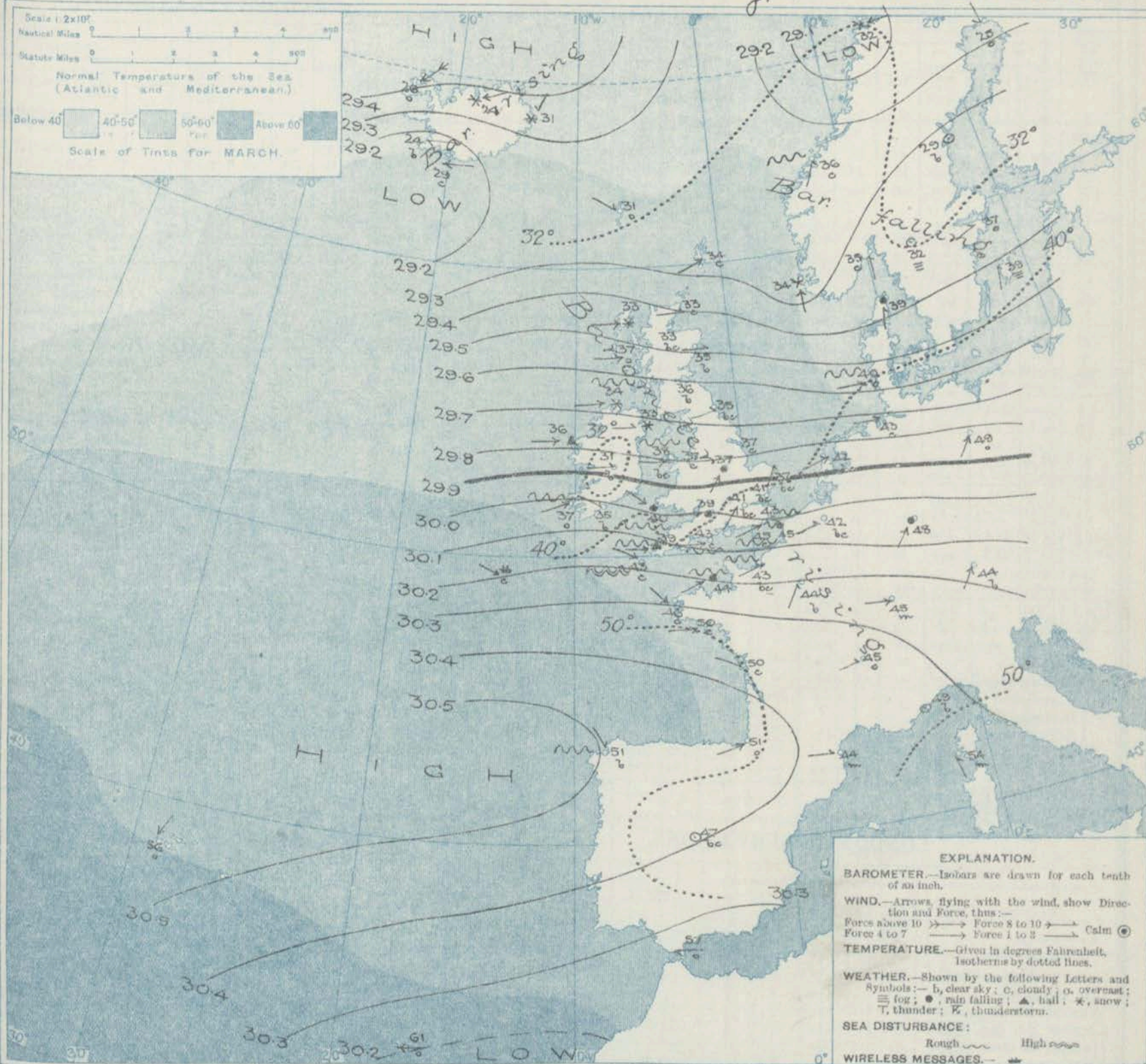
11 WESTERN CHANNEL AND BAY.

Strong Westerly to South Westerly winds, and a rough sea; fair generally, but slight showers locally; normal temperatures.

THE FURTHER OUTLOOK (All Districts).

Cold, changeable weather is likely to continue.

SYNOPTIC CHART FOR 7 A.M. Saturday, 15th MARCH 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

A large anticyclone extends from the Azores region to Spain, and the south west of France. A depression of moderate intensity lies off the coast of Finmark, and another disturbance is situated to the southwestward of Iceland. Small secondary systems are passing from west to east across the United Kingdom.

Westerly winds prevail over the whole of the United Kingdom and France, and blow very strongly on our western and southern coasts. In Norway the wind is southerly, while in Iceland it is easterly or north-easterly. Temperature has

fallen in most places. In the south of England the thermometer is slightly above 40°, but over the United Kingdom generally it is below that level, and in central Iceland it is slightly below the freezing point. The weather is in a very changeable condition, with showers in many localities. Snow is falling in the Hebrides and the north of Iceland, as well as in several parts of Norway and Iceland. The sea is high off the mouth of the Channel, and rough on our western and southern coasts generally.

DAILY WEATHER REPORT.

Saturday, 15th March 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
15th 7 a.m.	49	13	Lapland	H	30.28	+0.4	WNW	6-7	c	14th 7 a.m.	47	24	Lapland	H	30.11	+0.3	NW	6-7	bc
14th 6 p.m.	48	19	Empress of Ireland	H	29.11	00	W	8-9	c	"	50	17	Empress of Ireland	H	29.74	+0.6	WNW	6-7	b
"	51	12	Empress of Ireland	H	29.91	-0.1	W	6-7	b										

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Oban	0.62	46	36	bcp	cp	2.4	Margate	0.02	53	42	o	o	0.0
Stonehaven	0.10	48	29	b	b, b	5.2	Ramsgate	0.02	57	37	o	o	0.1
St. Andrews	0.10	48	29	b	b, b	5.2	Deal	0.01	52	44	o, bc	cp, on	0.0
Carnoustie	0.10	48	29	b	b, b	5.2	Folkestone	0.01	49	43	o	o	0.0
Harrogate	0.66	45	35	c, op	op, bc	0.0	Littlestone	0.01	49	43	o	o	0.0
Scarborough	0.10	45	35	c, op	op, bc	0.0	Hastings	0.04	50	45	op	o	0.4
Blackpool	0.30	47	43	cr	c, or	1.0	Bexhill-on-Sea	0.01	50	45	o, c, o	od	0.0
Southport	0.41	46	41	o, bc, r	or	0.7	Eastbourne	0.02	51	45	og	og	0.0
Buxton	0.38	46	35	c, r	c, r	0.0	Seaford	0.01	50	45	o, or	r	0.1
Matlock	0.10	46	35	c, r	c, r	0.0	Brighton	0.02	50	45	o	c, o	0.0
Douglas	0.10	46	35	c, r	c, r	0.0	Worthing	0.04	50	45	o	or	0.0
Rhyl	0.27	47	40	c, o	o, c, o	1.0	Littlehampton	0.01	50	45	o	o	0.0
Colwyn Bay	0.35	48	41	bcp	p, bc, r	0.6	Bognor	0.06	52	42	o, bc	o, or	0.0
Llandudno	0.62	50	41	o	o, bc	1.0	Southsea	0.06	52	42	od	od	0.0
Bettws-y-Coed	0.74	49	40	bc	bc, c	0.5	Bournemouth	0.10	52	42	od	od	0.0
Aberystwyth	0.74	48	41	or	o, c, o	0.8	Weymouth	0.04	51	47	od	or	0.0
Lowestoft	0.10	52	44	op	op	0.0	Teignmouth	0.05	52	48	or	od	0.0
Felixstowe	0.03	52	44	em	cm, op	0.1	Torquay	0.08	52	47	od	o	0.0
Walton-on-Naze	0.10	50	46	o, bc	bc, o	0.0	Paignton	0.01	52	47	od	o	0.0
Southend-on-Sea	0.05	51	44	o	o	0.0	Ilfracombe	0.62	52	45	or	or	0.0
							Weston-super-Mare	0.12	52	43	c	c, r, c	0.0

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.		Rainfall.	WEATHER.			Sunshine for Yesterday.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.			Sunshine for Yesterday.
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.	Min. on Grass.		Forenoon.	Afternoon.	Night.				In Screen.	Night Min. on Grass.	Night.	Forenoon.	Afternoon.	
Greenwich (Royal Obs.)	80	69	54	38	31	0.09	or	o, f	0.2	Dublin to 4 p.m.	0.08	51	45	41	b, c	o, f	0.0
City (Bunhill Row)	81	70	53	39	33	0.06	e, bc	e, bc	0.0	Plymouth to 9 p.m.	0.16	51	43	38	bc	o, f	0.0
Westminster (St. James's Pk.)	81	79	53	39	33	0.06	e, bc	e, bc	0.0	Darwin	0.14	46	37	39	or	on	0.3
Camden Sq. (Brit. Rainfall)	80	74	53	36	33	0.10	od, o	o	0.0	Manchester	0.62	47	40	41	or	or	0.0
Hampstead (Reservoir)	81	74	53	36	33	0.10	od, o	o	0.0	Birmingham	0.68	49	34	40	c	or	0.0
Kew. (See front page.)	81	74	53	36	33	0.10	od, o	o	0.0	Oxford to 8 p.m.	0.68	49	34	40	c	or	0.0
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.										S. Kensington (Museum Grounds to 6 p.m.)							
Total.										0.03							
Average Rate.										53							
Max. Rate.										42							
Joules.										39							
Milliwatts.										or, g							
Milliwatts.										od							
0.0										oge							

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

15th & 16th Mar. 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 6.11 6.8	G.M.T. 12.2 12.2	G.M.T. 5.54 5.56
Greenwich	6.17 6.14	12.9 12.9	6.2 6.4
Wick	6.32 6.29	12.21 12.21	6.11 6.14
Valencia	6.58 6.55	12.50 12.50	6.43 6.45

NOTES ON YESTERDAY'S WEATHER.

During yesterday the thermometer rose to 50° and upwards in many parts of the United Kingdom. Scarcely any bright sunshine was recorded over the southern parts of England, but in the east of Scotland the duration was large. Considerable quantities of rain were experienced over the northern parts of England and Wales, and showers in many other localities. A westerly gale prevailed at night in the Channel and on the Lancashire coast. Wireless reports show that as far west as the 24th meridian ships experienced strong winds and gales from the North-West with cloudy weather.

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, 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.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

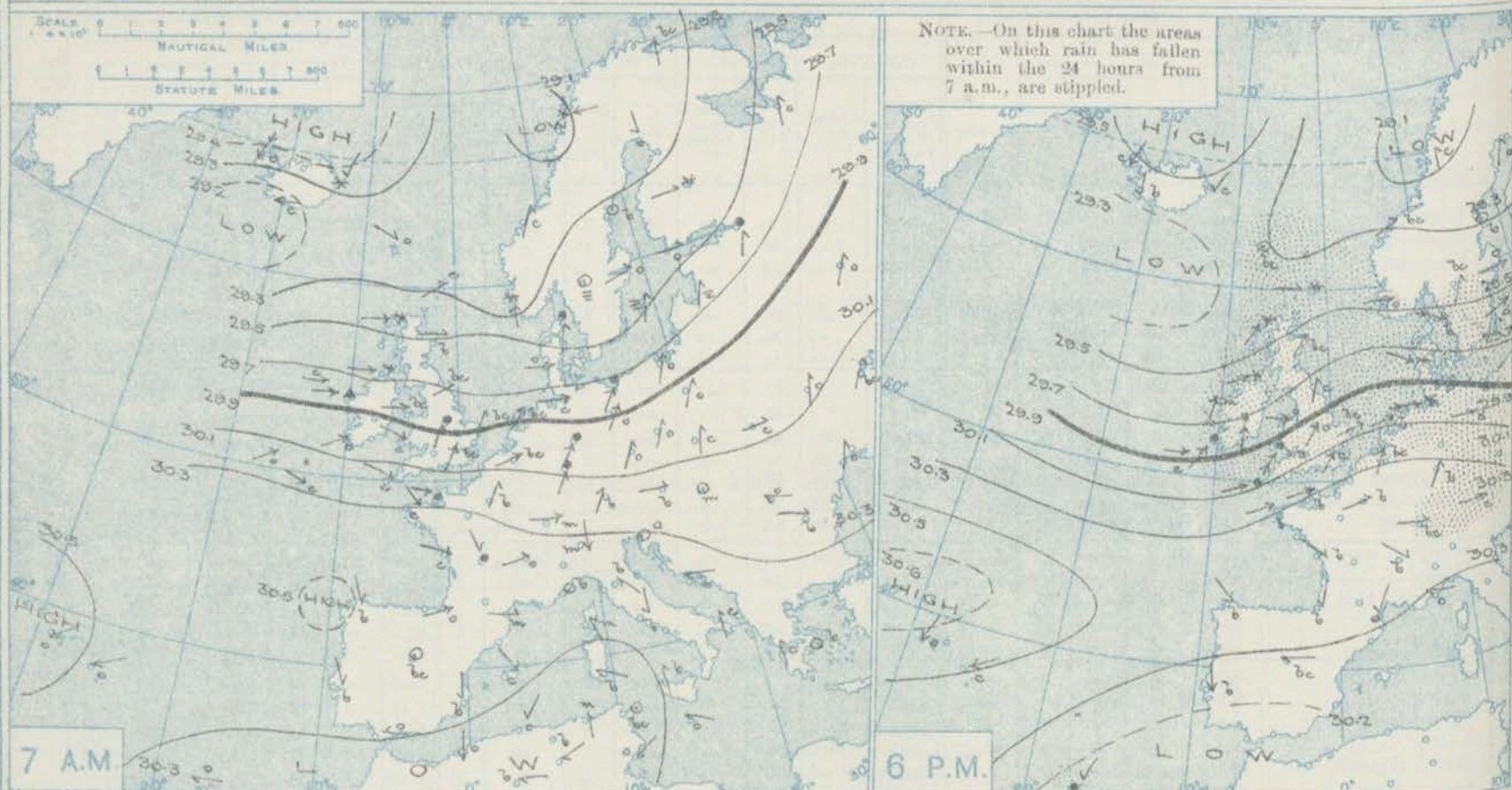
Sunday,
16th March, 1913.

STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Run- ning for Yester- day.
	BAROM.		TEMP.		WIND.	Weather.	BAROMETER.		TEMP.		WIND.	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.					
	At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Dir.	Force (0 to 12).			At 32° Fahr. and M.S.L. Lat. 46°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.					Dir.	Force (0 to 12).	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n 1 p.m. to 6 p.m.	Night 6 p.m. to 7 a.m.	
Spitzbergen ...	29.78	9	-	00	bc	29.31	+0.2	3	-4	-	0	0	?	?	12	-6	"	"	"	"		
Lerwick ...	29.42	34	W	3	S	29.18	-0.4	32	0	SSW	2	bc	1	0.12	38	32	eps	eps	beps	"		
Stornoway ...	29.45	34	SW	5	cgsp	29.26	+0.1	31	-2	W	1	c	1	0.23	38	29	lps	epsq	eps	1.2		
Castlebay (Barra Isd.) ...	29.46	37	SSW	4	ohsp	29.23	0.00	38	+1	W	4	c	4	0.14	40	32	0.c.o	chr.og	l.s.p.c	2.9		
Malin Head ...	29.48	36	WSW	7	cgsp	29.35	-0.2	36	+2	W	5	cgpm	5	0.04	40	32	gspq	spq	spq	"		
Blacksod Point ...	29.54	40	SSW	6	m	29.45	0.00	36	0	WSW	6	m	4	0.18	42	33	omph	omph	omph	"		
Valencia ...	29.73	42	SW	7	r	29.72	-0.1	41	+4	WSW	6	bc	2	0.32	46	35	cgpm	omph	omph	0.7		
Roche's Point ...	29.82	43	WSW	5	r	29.75	"	37	+2	W	4	b	4	0.34	46	35	cop	optr	llg.b	"		
Birr Castle ...	29.68	40	S	2	r	29.63	"	32	+1	SW	2	s	"	0.48	42	30	cp	or	orop	1.0		
Donaghadee ...	29.69	39	SW	3	bcsp	29.49	+0.4	32	-1	WSW	4	cg	2	0.09	42	31	spbcg	bcsp	bcsp	"		
Liverpool Obsy. ...	29.86	41	SW	4	0	29.57	+0.3	37	0	WSW	6	bc	5	0.12	44	36	spbc	bc	op	4.7		
Holyhead ...	29.80	43	W	6	0	29.61	+0.1	38	0	W	6	c	5	0.03	45	37	bcg	opg	bcg	4.7		
Pembroke (St. Ann's Hd.) ...	29.92	44	SW	8	r	29.74	+0.3	42	+2	WNW	7	cg	6	0.01	47	35	cgq	cgq	lowg	0.0		
Newquay ...	30.05	45	SSW	6	cgq	29.85	+0.1	42	+3	W	4	cg	6	0.33	48	37	cgq	bcg	opg	6.3		
Scilly (St. Mary's) ...	30.09	48	WSW	7	omph	29.86	+0.1	45	+2	WNW	6	opmg	7	0.47	50	43	omph	omph	omph	6.3		
Jersey (St. Aubin) ...	30.34	48	WSW	4	b	30.01	"	49	+5	SW	6	og	5	Trace	50	42	bc	bc	b.op	9.1		
Portland Bill ...	30.17	46	WSW	7	c	29.82	+0.1	45	+2	W	8	r	7	0.39	47	43	bc	bc	bcg	"		
Dungeness ...	30.16	45	WSW	6	c	29.78	0.00	43	-2	WSW	8	r	6	0.34	50	38	c.bey	bc	bcg	"		
Dover ...	30.19	43	SW	6	bc	29.81	"	43	0	SW	6	r	7	0.14	49	40	chub	bc	bcg	8.2		
Wick ...	29.49	35	SW	5	c	29.18	-0.4	32	-1	WSW	3	c	3	Trace	41	31	cp.c	bc.c	bc.c	"		
Nairn ...	29.53	35	WSW	2	bc	29.23	"	32	-1	WSW	1	c	1	0.02	40	28	s.b.c	b.b.c	p.c	3.1		
Aberdeen ...	29.59	37	SW	4	bc	29.21	+0.1	34	-1	WNW	3	bc	2	Trace	44	34	bc.b	b.b.c	bc.g	6.9		
Leith ...	29.65	40	SW	4	bc	29.31	+0.4	35	-1	WSW	5	cg	"	0.04	41	33	cp.c	c.b.c	cod	"		
North Shields ...	29.78	40	SSW	3	c	29.37	+0.6	35	0	WSW	4	bc	2	0.23	43	33	s	c	rs	6.4		
Spurn Head ...	29.93	42	WSW	6	c	29.53	+0.4	39	+2	WSW	6	bcg	5	0.31	44	35	cgps	cg	cmg	6.2		
Yarmouth ...	30.07	45	WSW	4	bc	29.65	-0.2	40	+3	SW	3	bc	3	0.12	47	35	bc	bc	bep	6.2		
Clacton-on-Sea ...	30.13	45	WSW	5	bc	29.75	+0.1	39	-2	WSW	4	0	3	0.25	48	28	bc	bc	bc.org	8.8		
Nottingham ...	29.97	42	SW	7	0	29.63	"	38	+1	SW	4	b	"	0.44	46	35	psk.c	cg.o	o.b	5.2		
Bath ...	30.10	46	SSW	6	c	29.80	"	37	-2	W	5	0	"	0.44	46	36	"	"	"	7.2		
London (Kew Obsy.) ...	30.14	45	SW	4	c	29.79	+0.3	41	0	SW	4	0	"	0.24	49	41	bc.bey	bcg	c.bey	8.6		
Isafjord ...	29.59	24	NE	7	c	29.80	+0.7	20	-6	NE	4	b	"	"	"	"	"	"	"	"		
Reykjavik ...	29.34	29	N	3	b	29.58	+0.4	11	-13	E	1	b	"	"	"	"	"	"	"	"		
Vestmanna ...	29.33	28	ESE	5	c	29.53	+0.5	9	-10	"	0	b	7	"	"	"	"	"	"	"		
Seydisfjord ...	29.50	26	NNE	2	c	29.64	+0.4	16	-15	NNE	2	0	"	"	"	"	"	"	"	"		
Thorshavn ...	29.30	31	-	0	bc	29.19	-0.5	31	0	NNE	3	s	"	"	"	"	"	"	"	"		
Haparanda ...	29.19	21	SW	2	0	29.18	-0.1	15	-10	SSE	2	0	"	"	30	14	"	"	"	"		
Hernösand ...	29.28	30	"	0	b	29.33	+0.3	22	-7	"	0	c	"	"	41	16	"	"	"	"		
Stockholm ...	29.40	36	W	4	0	29.45	+0.1	35	-2	SW	6	s	"	"	43	34	"	"	"	"		
Wisby ...	29.82	37	WSW	4	c	29.68	+0.4	36	-3	SW	6	b	"	0.20	43	34	"	"	"	"		
Karlstad ...	29.36	36	SW	2	bc	29.45	+0.2	36	+4	WSW	4	bc	"	0.04	41	32	"	"	"	"		
Färder (X'ania Fjord) ...	29.34	38	SW	6	c	29.45	0.00	38	+3	WSW	6	bc	4	"	38	34	"	"	"	"		
Bodö ...	29.01	36	S	2	c	29.14	+0.5	33	+1	WSW	4	bc	"	"	38	34	"	"	"	"		
Christiansund ...	29.29	36	WSW	2	bc	29.30	-0.1	34	-2	SW	2	c	6	0.04	39	30	"	"	"	"		
Skudesnaes ...	29.47	38	W	6	0	29.25	-1.1	36	+2	E	8	0	4	0.35	37	32	"	"	"	"		
The Scaw (Skagen) ...	29.55	41	WNW	8	b	29.52	-0.8	37	-2	SSW	5	0	1	0.16	41	32	"	"	"	"		
Blaavands Huk ...	29.78	35	WNW	5	s	29.44	-1.8	39	-1	SW	9	r	7	0.20	41	32	"	"	"	"		
Cuxhaven ...	29.97	37	W	9	s	29.71	-1.4	39	-4	SSW	9	c	"	0.16	46	36	"	"	"	"		
The Helder ...	30.08	43	WSW	6	b	29.68	-1.3	40	-2	WSW	8	r	7	0.08	46	34	"	"	"	"		
Brussels ...	30.28	40	SW	3	bc	29.94	-1.0	41	-1	SSW	6	0	"	0.04	49	39	"	"	"	"		
Berlin ...	30.06	38	W	5	0	30.10	-0.6	36	-13	S	3	bc	"	0.04	32	34	"	"	"	"		
Frankfurt ...	30.26	42	SW	3	b	30.17	-0.8	34	-14	SW	3	0	"	"	35	34	"	"	"	"		
Munich ...	30.38	45	W	5	c	30.31	"	36	-8	SE	3	b	"	Trace	54	37	"	"	"	"		
C. Gris Nez ...	30.22	45	WSW	7	c	29.85	-0.3	41	-4	WSW	8	r	8	0.28	46	29	"	"	"	"		
La Hève ...	30.34	44	WSW	4	b	29.98	"	46	+3	W	6	0	6	"	50	41	"	"	"	"		
Brest (St. Mathieu) ...	30.36	48	WSW	4	b	30.10	-0.2	49	+3	WSW	6	0	7	"	52	46	"	"	"	"		
Lorient (Bec Melen) ...	30.35	48	SW	4	c	30.12	"	50	0	SW	6	0	4	"	52	45	"	"	"	"		
Rochefort (Ile d' Aix) ...	30.46	47	NW	6	b	30.30	"	50	0	W	4	0	"	"	54	45	"	"	"	"		
Biarritz ...	30.48	52	NNE	2	b	30.35	-0.1	45	-6	ESE	2	b	3	"	53	45	"	"	"	"		
Paris ...	30.39	46	WSW	2	b	30.17	-0.4	41	-3	SSW	2	bc	"	"	54	34	"	"	"	"		
Belfort ...	30.39	48	W	4	bc	30.34	"	34	-11	W	4	m	"	0.04	54	30	"	"	"	"		
Lyons ...	30.46	49	NW	2	b	30.41	"	39	-6	SSW	1	b	"	"	55	33	"	"	"	"		
Nice ...	30.28	49	E	1	0	30.35	+0.2	49	0	"	0	0	"	"	57	48	"	"	"	"		
Perpignan ...	30.38	57	NE	3	0	30.36	+0.1	42	-2	SW	1	b	"	"	64	40	"	"	"	"		
Sanguinaire ...								</														

* Information for these columns not usually received.

† Received too late for insertion in Charts.

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 15TH MARCH.



GENERAL INFERENCE

WEATHER PROSPECTS.

FORECASTS FOR THE 24 HOURS NOON SUNDAY

TO NOON MONDAY

0 {
a
b

1

2 {
a
b

3

4 {
a
b

5

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

SOUTH CONE hoisted yesterday in Districts 3, 5, 7, 8, 9, 10, & 11 at 1.55 p.m.

6 {
a
b

7 {
a
b

8 {
a
b

9 {
a
b

10 {
a
b

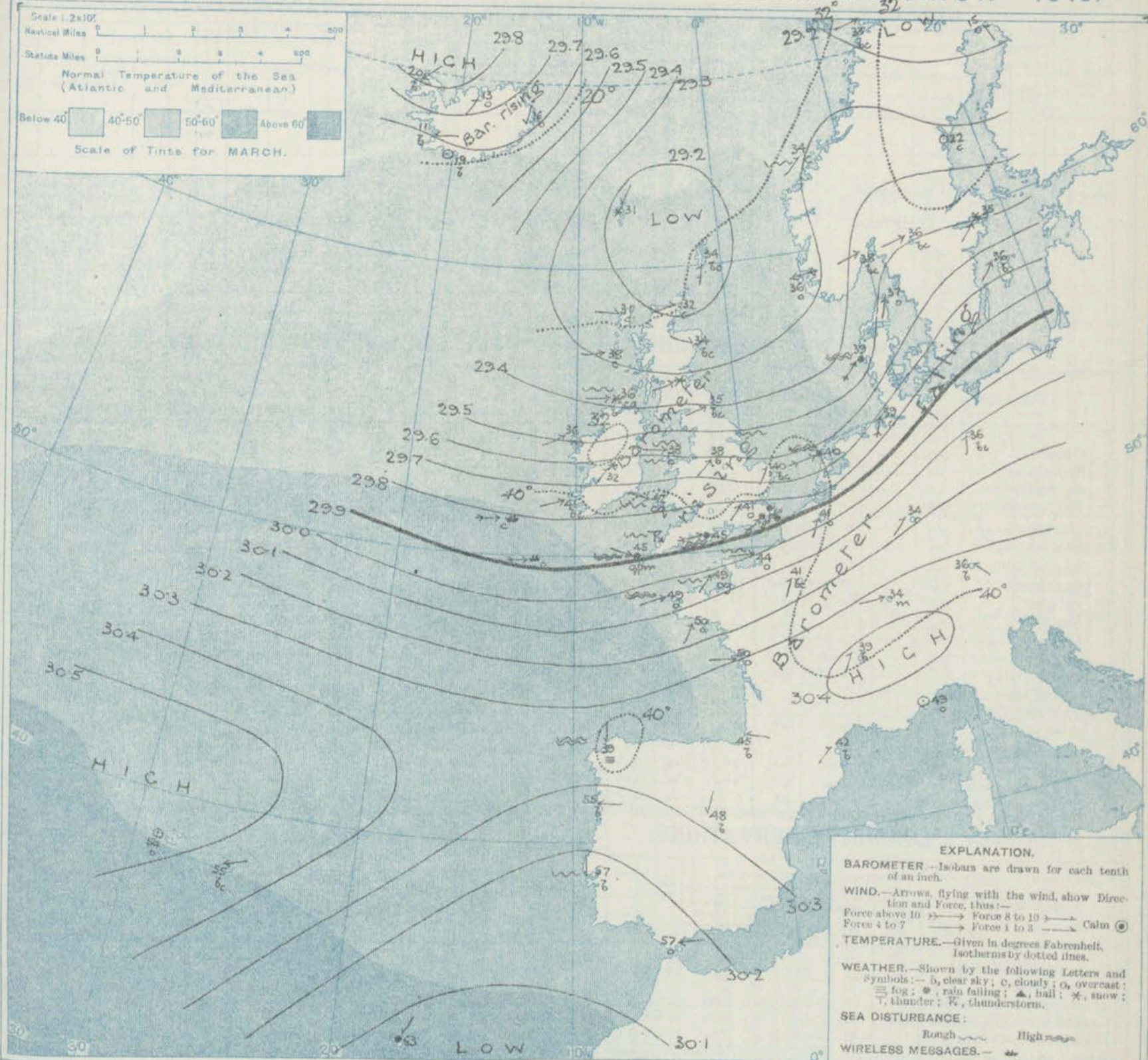
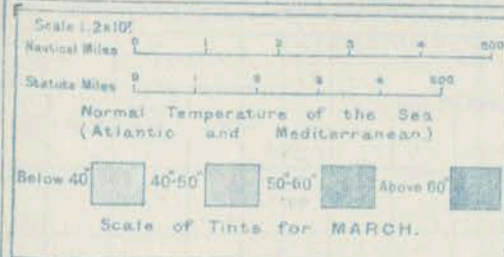
11 WESTERN CHANNEL AND BAY.

THE FURTHER OUTLOOK.

None Issued

None Issued

SYNOPTIC CHART FOR 7 A.M. SUNDAY, 16TH MARCH 1913.



EXPLANATION.
BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows, flying with the wind, show Direction and Force, thus:—
 Force above 10 ——— Force 8 to 10 ——— Calm ☉
 Force 4 to 7 ——— Force 1 to 3 ———
TEMPERATURE.—Given in degrees Fahrenheit, Isotherms by dotted lines.
WEATHER.—Shown by the following Letters and Symbols:— b, clear sky; c, cloudy; o, overcast; f, fog; r, rain falling; h, hail; s, snow; T, thunder; K, thunderstorm.
SEA DISTURBANCE:
 Rough ——— High ———
WIRELESS MESSAGES.—

NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure is above 30.5 in. at the Azores, and relatively high thence to the south of France and north of Italy. In a depression beyond the north of Scotland it is below 29.2 in., while in the north-west of Ireland it is about 29.8 in.

The wind is strong to a gale from the Westward or South-Westward over the southern half of these Islands and the lower portion of the North Sea, but light or moderate from the Westward in the north, and from North-East in Ireland. At Skudesnoes there is a gale from East.

Temperature is low generally. Over the United Kingdom it is as low as 32° at some western and northern stations, and below 40° except in the extreme south. Snow is falling at a few places in the west and north of these Islands, and rain in the south of England, but over a considerable area both in this country and on the Continent the weather is at present fair or fine.

DAILY WEATHER REPORT.

Sunday, 16th March, 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
15th, 6 p.m.	46	28	<i>Minneapolis</i>	H	30.46	+0.2	W	4-5	bc	15th, 7 p.m.	50	16	<i>Heperian</i>	H	30.10	-0.4	WSW	6-7	o
"	51	12	<i>Heperian</i>	H	29.80	-0.11	W	6-7	c	"	54	12	<i>Cameronia</i>	H	29.78	+0.6	W	6-7	c.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.		In.	"	"			Hr.	England, S.E.		In.	"	"			Hr.
{ Oban ...		"	"	"			"	{ Margate ...		0.03	49	36	b	b	9.0
{ Stonehaven ...		"	"	"			"	{ Ramsgate ...		0.03	51	35	"	"	8.6
{ St. Andrews ...		"	"	"			"	{ Deal ...		0.05	50	38	dp-bc.	bc-b.	8.2
{ Carnoustie ...		"	"	"			"	{ Folkestone ...		0.04	50	38	b-bc.	c-o.	7.6
{ Harrogate ...		0.13	41	32	ps.bps	bc-o-o.	4.2	{ Littlestone ...		"	"	"	"	"	1.6
{ Scarborough ...		"	"	"			"	{ Hastings ...		0.11	49	39	b.	b.	9.0
{ Blackpool ...		"	"	"			"	{ Bexhill-on-Sea ...		0.08	50	41	b-bc-b.	b-bc.	8.9
{ Southport ...		0.10	44	36	bcq	bc-o.	6.0	{ Eastbourne ...		0.10	51	41	b	bqg	9.1
{ Buxton ...		0.21	41	32	bc.s.	bc	4.8	{ Seaford ...		0.08	48	37	b	b	9.1
{ Matlock ...		"	"	"			"	{ Brighton ...		0.10	48	42	c-bc	bc	9.5
{ Douglas ...		"	"	"			"	{ Worthing ...		0.12	49	46	b	b	8.0
{ Rhyl ...		0.05	"	"			4.8	{ Littlehampton ...		"	"	"	"	"	"
{ Colwyn Bay ...		0.02	45	37	c-bc.	bc.	5.3	{ Bognor ...		"	"	"	"	"	"
{ Llandudno ...		"	"	"			"	{ Southsea ...		"	"	"	"	"	"
{ Bettws-y-Coed ...		"	"	"			"	{ Bournemouth ...		0.05	50	40	b	b-bc-c.	8.7
{ Aberystwyth ...		0.15	45	37	r-o-c.	bc-o.	5.0	{ Weymouth ...		0.08	49	40	bc	bc	7.7
{ Lowestoft ...		"	"	"			"	{ Teignmouth ...		0.12	50	36	sq-b.	bcq	7.2
{ Felixstowe ...		0.02	48	38	bcq	bcq	8.5	{ Torquay ...		0.08	48	37	r-bc-bp	bp.	7.7
{ Walton-on-Naze ...		0.04	47	36	o-bc-c	o-bc-c	8.0	{ Paignton ...		0.07	50	37	b-bc-bp	bp.	5.7
{ Southend-on-Sea ...		0.02	51	"	b	b	8.6	{ Hracombe ...		0.20	48	39	b-bc-bc.	bc-pgo.	"
								{ Weston-super-Mare ...		"	"	"	"	"	"

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain- fall.	WEATHER.			Sun- shine for Yester- day.	STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.	
	3 p.m. Yester- day.	9 a.m. To- day.	In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.				In Screen.		Night Min. on Grass.	Night.	Fore- noon.	After- noon.		
			Max.	Min.									Max.	Min.						
																				24 HOURS ENDED 9 A.M. TO-DAY.
%	%			In.				Hr.		In.						Hr.				
Greenwich (Royal Obs.) ...	51	75	49	39	36	0.24	b	b	b.c.o-o.	8.8	Dublin to 4 p.m.	0.05	44	33	31	bq.s	psq	c.oq	7.0	
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	b.c.	6.9	Plymouth to 9 p.m.	0.05	50	36	33	b.cq	ot	o.tq	4.5	
Westminster (St. James's Pk.)	50	80	50	41	39	0.24	b.c	b.c	b.c.o.s.c.	8.0	Darwen "	0.27	40	32	29	au.	ts.b.	ot	3.8	
Camden Sq. (Brit. Rainfall)	49	68	50	39	36	0.25	b	b.c	b.c.o-o.	7.5	Manchester "	0.01	45	34	28	c-b.c.	b.c	b.c.o.	6.7	
Hampstead (Reservoir) ...	*	75	45	38	34	0.23	b.c	o	c.o.	7.5	Birmingham "	0.13	45	32	27	cr.	c.	o	"	
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.									Oxford to 8 p.m.	-	47	36	32	c.b.	b.b.c	b.c	"
			Total.		Average Rate.		Max. Rate.				S. Kensington (Museum Grounds to 6 p.m.)	0.06	51	38	30	otq.b.c	b.c	b.c.b.	"	
S. Kensington (Roof of M.O.)	55	81	97.2 joules.		23 Milli-watts.		53 Milli-watts.		4.5											

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

16th & 17th March 1913.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	6.8 6.5	12.2 12.2	5.56 5.58
Greenwich ...	6.14 6.12	12.9 12.9	6.14 6.6
Wick ...	6.29 6.26	12.21 12.21	6.14 6.16
Valencia ...	6.55 6.53	12.50 12.50	6.45 6.46

Temperature failed to rise to 45° yesterday over many parts of the United Kingdom, and frost occurred at night at some northern and north-western stations. Rain, sleet, or snow has fallen generally, the quantity being heavy in several localities. Thunder and lightning were observed in places. Gales from between South-West and West have been experienced on parts of our western and southern coasts; at Southport the velocity of the gusts was 63 m.p.h. Reports show that a fresh to strong westerly breeze has prevailed as far west as the 25th meridian.

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; i. 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. low 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.

12.28

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

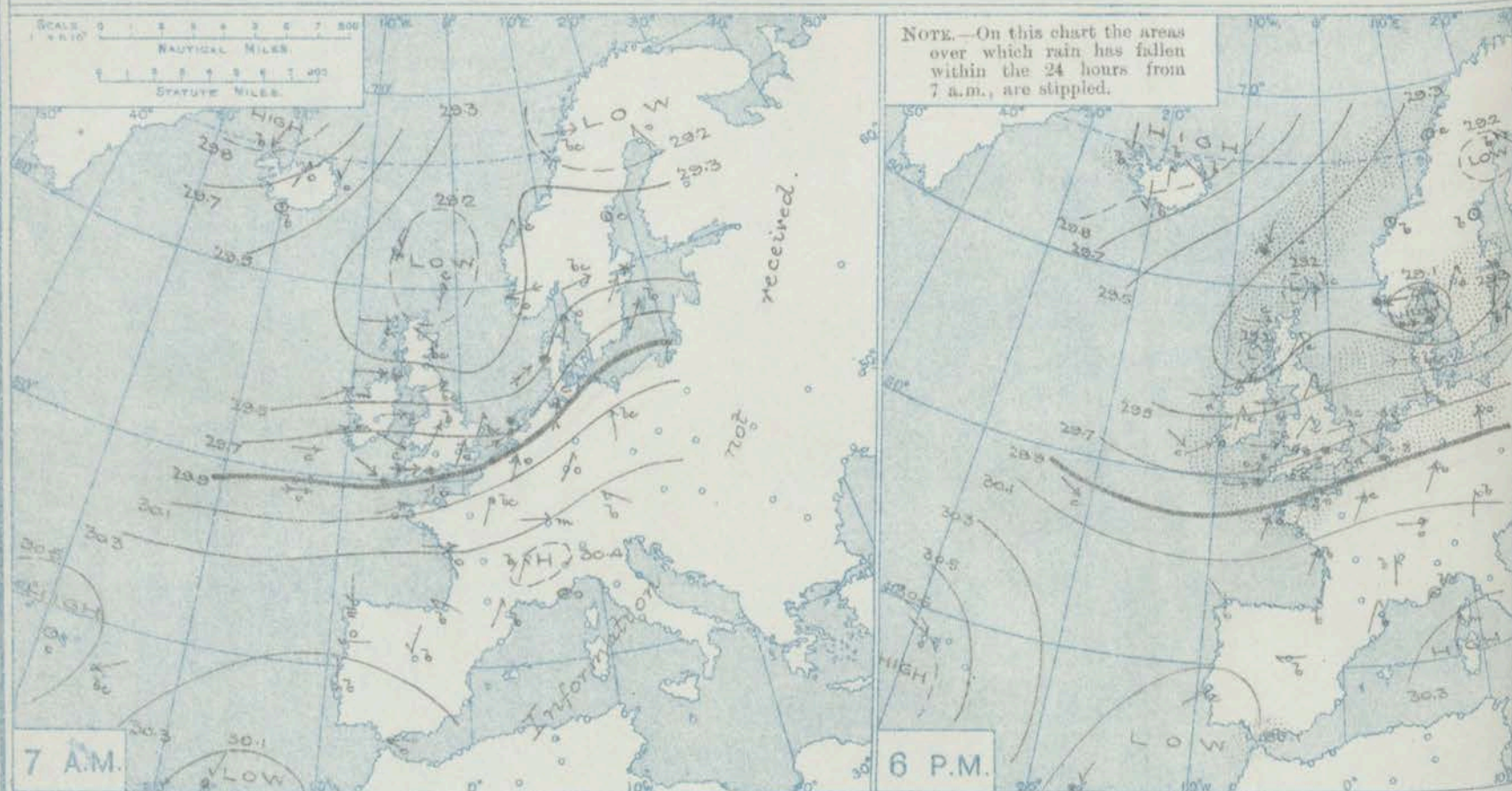
Monday,
17th March, 1913.

STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun- shine for Yester- day.
		BAROM.		TEMP.		WIND.	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.					
		At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Dir.	Force (0 to 12).			At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						Dir.	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.	Hours	
BRITISH ISLANDS.	Lerwick ...	In.					In.	in.								In.								
	Stornoway ...	29.20	35	S	2	bc	29.43	+0.9	32	-2	N	8	o	5	0.10	37	31	s	bc	ou				
	Castlebay (Barra Isd.) ...	29.28	34	W	1	c	29.55	+1.0	33	+2	NNE	6	c	5	0.16	39	29	bc	bc c.	bcsp	2.9			
	Malin Head ...	29.19	35	-	0	osp	29.49	+0.9	36	-2	N	4	osp	5	0.46	39	32	c. os	sp	sp	0.4			
	Blacksod Point ...	29.20	37	WSW	6	csq	29.34	+0.9	38	+2	N	6	cq	5	0.24	42	33	gpb	mgps	gmp. r				
	Valencia ...	29.38	41	W	7	o	29.49	+0.4	38	+2	N	4	c	3	0.23	44	34	mgph	mgph	mgph				
	Roche's Point ...	29.56	43	WSW	5	o	29.56	+0.2	36	-5	N	3	mkp	6	0.17	45	35	cbph	cbq	cbp	7.0			
	Birr Castle ...	29.61	42	W	4	cq	29.52		35	-2	W	3	bc	2	0.02	45	35	bcq	bcq	c. bc				
	Donaghadee ...	29.51	34	SW	3	c	29.46		33	+1	W	3	b		0.24	41	31	cps	cps	cps. bc	4.0			
	Liverpool Obsy. ...	29.40	39	WSW	5	bcq	29.28	+0.1	35	+3	WNW	3	o	2	0.03	42	32	bcq	bcq	bcph				
SCANDINAVIA.	Holyhead ...	29.54	38	SSW	3	b	29.26	-0.3	33	-4	WSW	1	s	2	0.06	43	32	bcq	bcq	os	6.8			
	Pembroke (St. Ann's Hd.) ...	29.53	42	W	4	c	29.27	-0.3	36	-2	W	4	c	3	0.01	42	35	cq	eqp	eqs	7.8			
	Newquay ...	29.62	41	W	5	c	29.39	-0.1	38	-4	WNW	5	cqg	5	0.56	45	33	cq	cq	cq. sps	3.2			
	Scilly (St. Mary's) ...	29.70	45	WSW	4	o	29.46	+0.5	41	-1	WNW	7	bcgr	6	0.73	48	36	ogp	bcopq	cpq	0.7			
	Jersey (St. Aubin) ...	29.71	47	W	5	opm	29.50	+0.4	41	-4	NW	6	cq	7	0.33	50	36	omp	omp	omp	0.9			
	Portland Bill ...	29.92	50	SW	4	ogm	29.51		43	-6	W	6	ogp	5	0.50	52	40	og	o	og. r	1.2			
	Dungeness ...	29.73	45	WSW	5	r	29.37	+1.2	40	-5	W	6	bc	5	0.57	49	40	or	or	cpq. r				
	Dover ...	29.76	45	WSW	4	or	29.21	-1.2	47	+4	SSW	9	rq	7	0.42	47	43	og	or	or. or				
	Wick ...	29.78	43	SW	4	o	29.25		43	0	SW	8	o	7	0.31	47	37	or. p	or. r	or	0.0			
	Nairn ...	29.26	34	WSW	3	bc	29.40	+0.7	34	+2	NNW	5	sq	5	0.07	42	28	c. bc	bc	bc. qps				
GERMANY, &c.	Aberdeen ...	29.26	34	-	0	bc	29.39		33	+1	N	1	o	1	0.02	41	30	bu	v. bc	p. s. o	6.0			
	Leith ...	29.31	37	SW	2	c	29.36	+0.4	34	0	NW	3	c	2	-	46	31	bq	bc. o	c. bc	6.3			
	North Shields ...	29.33	39	SW	5	c	29.31	+0.2	35	0	NNW	2	c		0.06	40	30	cqps	cq	bcps				
	Spurn Head ...	29.43	40	SW	3	bc	29.27	-0.6	33	-2	NW	2	og	2	-	45	31	c	s	c	9.1			
	Yarmouth ...	29.55	42	WSW	5	bc	29.14	-0.8	34	-5	NE	6	s	4	0.15	45	32	cq	bc	bc. rts	8.9			
	Clacton-on-Sea ...	29.68	43	WSW	3	bc	29.42	-0.20	45	+5	S	5	r	5	0.18	48	38	bc	bc	bc. omr	6.1			
	Nottingham ...	29.72	44	SW	5	bc	29.17	-0.20	46	+7	SSW	6	r	5	0.14	47	38	og	o. bc	bc. qgr	1.7			
	Bath ...	29.62	41	WSW	3	c	29.21		34	-4	NNW	4	s		0.33	47	33	bc	c	c. bc	3.8			
	London (Kew Obsy.) ...	29.73	45	SW	6	r	29.34		36	-1	W	3	r		0.60	49	35	-	-	-	0.9			
	Isafjord ...	29.74	43	WSW	4	or	29.17	-1.5	44	+3	SW	6	o		0.34	47	39	og	og. c. or	og. r	0.5			
FRANCE.	Reykjavik ...	29.89	23	N	1	b	29.82	-0.4	20	0	-	0	s		-	-	-	-	-	-				
	Vestmanna ...	29.81	24	-	0	b	29.82	-0.4	7	-4	-	0	b		-	-	-	-	-	-				
	Seydisfjord ...	29.78	21	N	1	b	29.88	+0.1	15	-4	N	8	b	1	-	-	-	-	-	-				
	Thorshavn ...	29.80	19	WNW	3	b	29.84	-0.1	13	-3	SSW	2	b		-	-	-	-	-	-				
	Haparanda ...	29.36	32	NNE	5	s	29.67	+0.4	24	-7	NNW	4	s		-	-	-	-	-	-				
	Hernösand ...	29.20	4	SE	2	b	29.15	-0.1	0	-15	N	2	b		-	21	-2	Lerwick 2 a.m. - Jan.						
	Stockholm ...	29.24	24	-	0	b	29.26	+0.4	17	-5	N	2	b		-	39	12	Extreme N. q.						
	Wisby ...	29.17	33	SW	4	s	29.23	+0.8	33	-2	NNW	2	o		0.16	41	32							
	Karlstad ...	29.34	36	SSW	6	b	29.30	+0.4	37	+1	WSW	9	o		0.08	41	34	Newquay 7 a.m. - 17th						
	Færder (X'tania Fjord) ...	29.13	34	WSW	2	o	29.34	+0.6	33	-3	-	0	s		0.20	39	30	Squall 8.						
SPAIN, PORTUGAL, &c.	Bodö ...	29.00	35	SE	2	r	29.37	+0.6	34	-4	W	1	c	4	0.39	38	32							
	Christiansund ...	29.23	30	-	0	c	29.18	-0.1	22	-11	E	3	b	2	0.12	32	18	Scilly Mid. - 1 a.m.						
	Skudesnaes ...	29.22	35	-	0	b	29.28	+0.2	32	-2	SE	1	b	3	-	41	28	Extreme WNW 8.						
	The Scaw (Skagen) ...	29.14	37	E	4	r	29.32	+0.1	37	+1	SW	4	c	4	-	37	36	Squalls 10.						
	Blaavands Huk ...	29.14	37	E	4	r	29.32	+0.1	37	+1	SW	4	c	4	-	37	36							
	Cuxhaven ...	29.99	35	W	9	r	29.41	+0.4	37	0	WSW	4	bc	1	0.20	39	34	Portland Bill 7 a.m. - Pa.						
	The Helder ...	29.45	39	W	9	bc	29.49		38	-1	SSW	2	o	3	0.04	41	36	and Mid. - 5 a.m.						
	Brussels ...	29.67	38	W	5	b	29.54	-0.4	38	-1	S	3	o		0.12	43	36	Extreme SW. q.						
	Berlin ...	29.67	43	SW	6	bc	29.32	-0.20	44	+4	S	7	r	3	0.24	45	37							
	Frankfurt ...	29.85	42	WNW	1	r	29.50	-1.2	43	+2	SSW	6	r		0.79	47	40							
PORTUGAL, &c.	Munich ...	29.83	39	S	5	o	29.72	-0.6	41	+5	S	1	c		0.16	50	36	Dungeness 2 a.m. - 7 a.m.						
	C. Gris Nez ...	29.95	49	SW	5	o	29.79	-0.8	44	+10	SW	4	c		-	52	34	Extreme SW. q.						
	La Hève ...	30.08	46	SSW	2	b	30.00	-0.4	38	+2	S	2	b		-	55	34	Squalls 10.						
	Brest (St. Mathieu) ...	29.80	45	WSW	6	o	29.32		44	+3	SSW	7	r	7	1.38	45	41							
	Lorient (Bec Melen) ...	29.85	43	WSW	6	o	29.43		45	+1	W	7	r	6	0.20	46	41	Dover 17th 7 a.m.						
	Rochefort (Ile d' Aix) ...	29.94	50	SE	6	o	29.61	+0.1	45	-4	WNW	6	c	7	0.16	52	43	Extreme SW. 8.						
	Biarritz ...	29.98	50	SW	5	o	29.81		50	0	WNW	5	o	5	0.32	54	41	Last 73 m (11) ab 30 a.m.						
	Paris ...	30.17	50	SW	4	b	29.81		50	0	SW	5	o		-	55	48							
	Belfort ...	30.23	50	NNE	1	b	29.																	

* Information for these columns not usually received.

† Received too late for insertion in Charts.

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 16TH MARCH...



GENERAL INFERENCE

WEATHER PROSPECTS.

The depression over our eastern countries will pass across to the Continent, and a

cold & easterly to northerly type of conditions will become general over the British Isles.

FORECASTS FOR THE 24 HOURS NOON MONDAY TO NOON TUESDAY.

0 {
a
b

1

Wind between West and North

2 {
a
b

strong or high at times locally, then

3

moderating; squally, some rain,

4 {
a
b

hail or snow, fair to fine later;

5

cold, night frost.

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Coast.	South Coast.
North Coast.	North Coast.

NO WARNINGS
ISSUED.

6 {
a
b

7 {
a
b

8 {
a
b

9 {
a
b

10 {
a
b

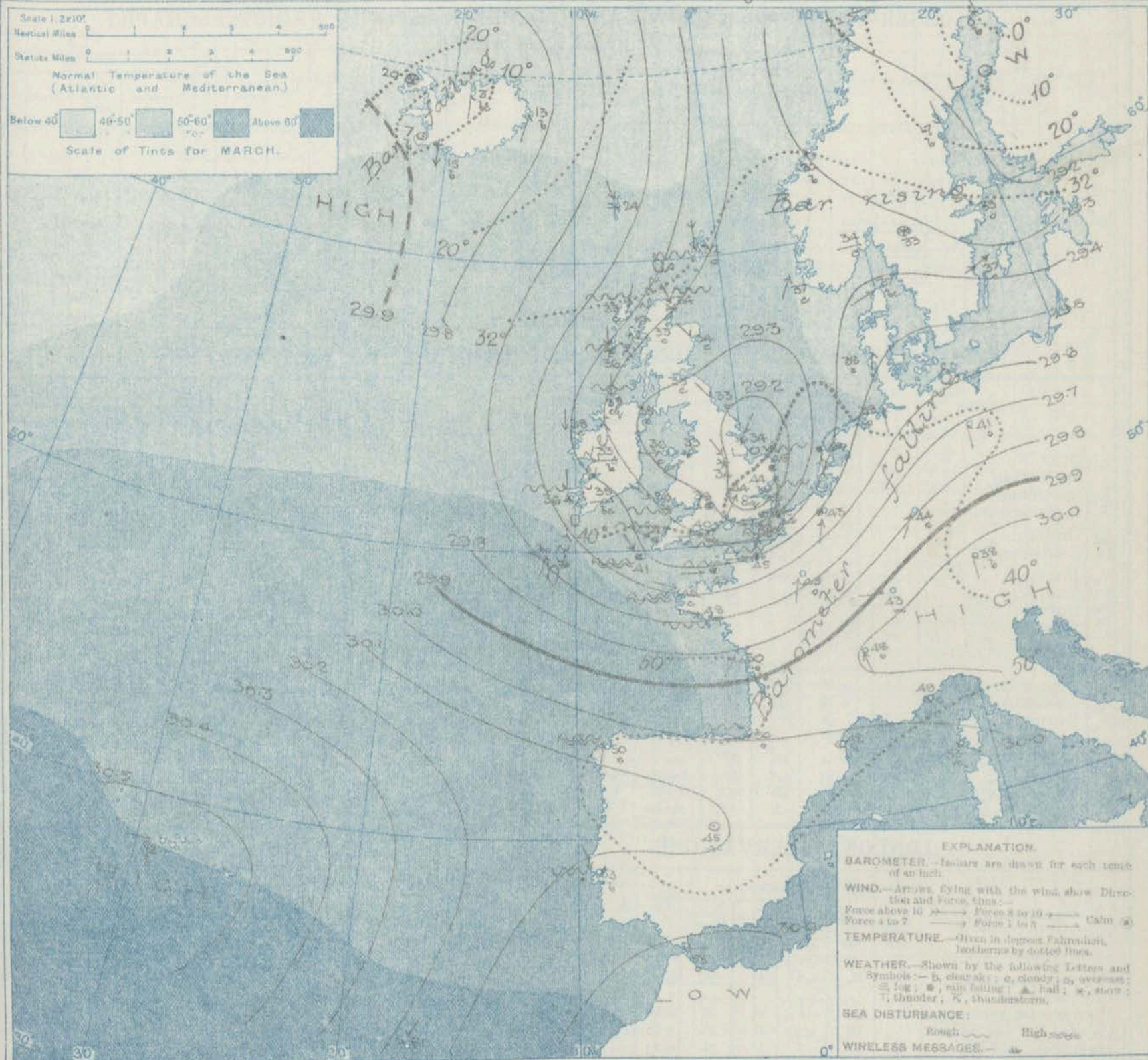
Same as nos. 0 to 5.

11 WESTERN CHANNEL AND BAY.

& easterly to northerly winds, strong or high, moderating later; rough sea; squally, some rain; hail or snow, then fairer; cold.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. Monday, 17th MARCH 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The region of highest pressure extends westward from Spain, the barometer being above 30½ in. at the Azores. In a depression centred over Cambridge, and in another over Lapland pressure is at about 29½ in. The gradient is rather steep between the Thames and the Rhine, elsewhere it is moderate to very slight.

Winds from between South and West are reported over the western half of the Continent, and from between West and North in other regions. The force is very variable, light in many localities, strong or high in others, a gale on the straits of Dover and in

Shetland. At the home stations temperature ranges from 32° at Lerwick to 47° at Dungeness; on the Continent from 33° at Cuxhaven and Bremen to 58° at Gibraltar; in Scandinavia from 0° at Haparand to 37° at Skudonnes and Visby; and in Iceland from 3° to 20°. The weather generally is in a very changeable state, fine and clear in some neighbourhoods, rain, hail or snow at various home and foreign stations. A rough or high sea is running on our southern coasts, and along the north of France, rather rough in many other districts.

DAILY WEATHER REPORT.

Monday, 17th March, 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward	BAROMETER.		WIND.		WEA- THER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward	BAROMETER.		WIND.		WEA- THER.	
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.		
	"	"			In.	In.		(0-12).			"	"			In.	In.		(0-12).		
17th, Jan.	48	10	<u>Finland</u>	O	29.69	+0.6	WNW	6-7	bc.	16th, Jan.	47	24	<u>Minneapolis</u>	H	30.23	+0.1	WSW	6-7	o	
16th, bpm.	48	20	<u>Minneapolis</u>	H	29.95	-0.1	WNW	6-7	c.	"	"	51	13	<u>Virginian</u>	O	29.80	-0.2	W	8-9	c
"	51	12	<u>Teutonic</u>	O	29.48	-0.14	WNW	6-7	c	"	"	49	12	<u>Montezuma</u>	O	29.82	-0.7	W	8-9	o
"	51	11	<u>Germania</u>	O	29.59	-0.04	NW	6-7	o											

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	Hr.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	Hr.
		Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.		
Scotland.	In.							(Margate	0.11	47	39	o	o	0.1	0.1
Oban								Ramsgate	0.11	50	40	x	x	0.0	0.0
Stonehaven								Deal	0.26	47	40	gr. cp	bc. c.	0.1	0.1
St. Andrews								Folkestone	0.31	46	33	p	p	0.0	0.0
Carnoustie								Littlestone	"	"	"	"	"	0.3	0.3
England, N.E.								Hastings	0.44	47	38	b. of	o. cp	0.1	0.1
Harrogate	0.42	42	33	r. bcgs	bc. cgs	6.6		Bexhill-on-Sea	0.35	46	39	e	dc. o. c.	0.3	0.3
Scarborough	"	45	36	c. b.	c. b.	9.0		Eastbourne	0.68	"	39	of	o	0.0	0.0
England, N.W.								Seaford	"	"	"	"	"	0.3	0.3
Blackpool	0.09	44	38	cp	h	7.8		Brighton	0.48	45	42	of. o. c.	of. o.	0.3	0.3
Southport	0.23	45	38	bc. q.	bc. q. b.	8.0		Worthing	0.54	46	41	tc. o.	c. o.	0.5	0.5
Buxton								Littlehampton	"	"	"	"	"	0.5	0.5
Matlock								Bognor	"	"	"	"	"	1.5	1.5
Douglas								Southsea	0.33	50	41	o. bc.	of. c. of.	0.7	0.7
Wales.								Bournemouth	0.40	47	41	d. o. c.	of	0.4	0.4
Rhyl	0.19	45	36	bc	bc. f. bc.	7.5		Weymouth	0.37	47	41	cd	c. of	0.5	0.5
Colwyn Bay	0.15	45	36	bc	bc. f. bc.	9.0		Teignmouth	0.38	48	41	h. c. q.	og. p.	0.7	0.7
Llandudno	0.18	46	37	b	b	7.4		Torquay	0.54	48	41	p	p	0.0	0.0
Bettws-y-Coed	"							Paignton	0.66	50	30	r. o.	of.	0.0	0.0
Aberystwyth	0.30	44	38	thr. bc.	c	6.0		Ilfracombe	0.34	46	40	cp. c.	c. of	0.0	0.0
England, E.								Weston-super-Mare	0.40	46	38	c.	b. f. c.	0.3	0.3
Lowestoft	0.14	49	38	o. c.	c. o. c.	5.0									
Felixstowe	0.19	48	37	cm. q.	bc. q.	3.5									
Walton-on-Naze	0.25	46	42	o. bc.	bc. o.	2.5									
Southend-on-Sea	0.20	46	38	op. bc.	bc.	0.8									

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain- fall.	WEATHER.			Sun- shine for Yester- day.	STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.	
	3 p.m. Yester- day.	9 a.m. To- day.	In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.				In Screen.	Night Min. on Grass.	Night.	Fore- noon.	After- noon.			
			Max.	Min.														Max.		Min.
24 HOURS ENDED 9 A.M. TO-DAY.																				
Greenwich (Royal Obs.) ...	%	%				In.				Hr.	Dublin to 4 p.m.	In.								
City (Bunhill Row) ...	74	86	48	37	36	0.33	o	a.r.	otq	0.5	Plymouth to 9 p.m.	0.20	43	33	31	qts.b.	q.be	b.		
Westminster (St. James's Pk.)	*	*	*	*	*	*	*	*	*	0.1	Darwen	*	*	*	*	*	*	*	*	
Camden Sq. (Brit. Rainfall)	82	95	48	37	39	0.34	be	be	o.of.	0.1	Manchester	0.11	44	36	*	of.c.	be	be	5.8	
Hampstead (Reservoir) ...	-	88	47	36	36	0.32	o	c.of	ot.b	0.5	Birmingham	0.63	45	35	25	r	c	c	7.1	
Kew. (See front page.)	*	90	45	35	36	0.37	c	c.of	ot.o.or.	0.5	Oxford to 8 p.m.	-	47	38	37	ogt	bep1sh	b.of.		
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																				
Total.			Average Rate.			Max. Rate.														
502 Joules.			11.8 Milliwatts.			36 Milliwatts.			S. Kensington (Museum Grounds to 6 p.m.)											
S. Kensington (Roof of M.O.)	-	93	0.26 46 41 35 of.o o o.of.																	

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

NOTES ON YESTERDAY'S WEATHER.

17th & 18th Mar, 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 6.5 b.2	G.M.T. 12.2 12.1	G.M.T. 5.58 6.0
Greenwich	b.12 b.9	12.9 12.8	b.6 b.7
Wick	b.26 b.23	12.21 12.20	b.16 b.18
Valencia	b.53 b.50	12.50 12.49	b.46 b.48

Yesterday's maximum temperatures over the British Isles ranged from 37° at Loughborough to 52° at Jersey. Slight night frost occurred in places. The duration of bright sunshine was very variable, from none or considerably less than an hour to 8 hours or 9 hours. In the night a S.W. gale to a strong gale has been felt over southern England, a strong N.W. gale in Scotland. As far west as the 25th meridian ships experienced westerly to north-westerly winds, strong to a gale, with cloudy to dull weather.

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. low 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.

1913.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Tuesday,
18th March, 1913.

STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.	
		BAROM.		TEMP.		WIND.	Weather.	BAROMETER.		TEMP.		WIND.	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.					
		At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Dir.	Force (0 to 12).			At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.					Dir.	Force (0 to 12).	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.		Night. 6 p.m. to 7 a.m.
Spitzbergen ...		29.54	-12	S	1	0	29.57	+0.2	1		N	1	0	4		-	3	-15					
Lerwick ...		29.56	31	NNW	5	c	29.39	-0.4	31	-1	NW	5	bc	4	0.09	33	27	cpsq	cps	bc			
Stornoway ...		29.76	32	N	4	c	29.63	-0.4	33	0	SW	3	0	3	0.03	35	29	crops	beps	c-o	3.0		
Castlebay (Barra Isd.)		29.76	35	NNW	3	bc	29.62	-0.5	38	+2	S	3	0	4		38	32	sybc	bc	b-o	7.1		
Malin Head...		29.70	36	NNE	6	bc	29.65	-0.3	32	-6	ENE	3	bcw	3	0.03	41	31	bcghp	veps	b-o			
Blacksod Point ...		29.78	41	NNE	5	c	29.59	-1.8	35	-3	SE	5	0	4	0.06	44	33	omph	omg	omg			
Valencia ...		29.80	43	N	3	bc	29.56	-1.1	42	+6	SE	4	0	4	0.08	47	34	beph	beph	b-o	6.8		
Roche's Point ...		29.75	45	NNW	5	bc	29.67		42	+7	S	4	0	4		46	31	bc	bc	b-o			
Birr Castle ...		29.74	40	NNW	3	bc	29.66		28	-5	SE	2	bc		0.02	44	25	cps	bc	b-o	7.0		
Donaghadee ...		29.66	39	N	6	bc	29.72	-0.2	28	-7	N	1	bc	1	0.07	42	28	bcqsh	bcq	bc			
Liverpool Obsy...		29.56	37	N	4	0	29.74	0.0	30	-3	SE	1	b	2	0.06	43	30	beps	bclep	c-o	4.9		
Holyhead ...		29.59	40	ENE	6	c	29.74	-0.1	31	-5		0	c	0	0.11	41	31	cgs	cgs	bc	3.9		
Pembroke (St. Ann's Hd.)		29.62	38	NNE	4	c	29.74	-0.3	37	-1	SE	3	c	3	0.12	44	34	cgs	cgs	cgs	5.0		
Newquay ...		29.63	41	NW	7	c	29.74	0.0	35	-6	SE	1	bcw	4	0.02	45	32	bcq	bc	b-o	6.8		
Scilly (St. Mary's) ...		29.71	44	NNW	6	bc	29.73	-0.2	40	-1	SE	1	bc	4	0.01	46	37	chp	bcq	bc	4.2		
Jersey (St. Aubin) ...		29.63	44	W	4	c	29.81		35	-8	N	3	bm	3	0.23	47	34	bcqsh	bcqsh	bcqsh	2.3		
Portland Bill ...		29.54	44	NNW	6	c	29.78	+0.4	38	-2	NE	1	b	3	0.02	45	35	bcq	bc	bc			
Dungeness ...		29.45	41	W	4	c	29.73	+0.4	30	-17	NNW	3	b	2	0.05	47	29	bcq	bc	bc			
Dover ...		29.48	40	NNW	4	b	29.74		31	-12	NW	3	b	2	0.08	44	29	bcq	bc	bc	4.8		
Wick ...		29.61	34	NNE	5	0	29.54	-0.4	27	-7	W	3	S	4	0.07	34	27	bcq	bcq	bcq			
Nairn ...		29.66	34	NNE	4	0	29.60		32	-1	NW	2	bc	2	0.03	36	28	bcq	bcq	bc	1.0		
Aberdeen ...		29.58	32	NNW	5	c	29.59	-0.1	31	-3	WSW	3	b	2	0.07	40	29	bcq	bcq	bcq	1.7		
Leith ...		29.66	35	NNW	3	c	29.67	-0.1	28	-7	WSW	2	b		0.02	40	27	bcq	bcq	bcq			
North Shields ...		29.46	27	N	6	0	29.69	+0.2	25	-8	W	3	b	5	0.07	42	23	bcq	bcq	bcq	0.8		
Spurn Head ...		29.37	38	NW	7	c	29.68	+0.6	32	-2	NNW	6	bcq	6	0.53	38	30	bcq	bcq	bcq	0.0		
Yarmouth ...		29.36	34	W	4	S	29.70	+0.8	31	-14	W	2	bc	2	0.24	45	30	bcq	bcq	bcq	0.0		
Clacton-on-Sea ...		29.42	37	NW	6	c	29.73	+0.6	30	-16	NNW	2	b	1	0.60	46	29	bcq	bcq	bcq	3.9		
Nottingham...		29.48	37	NW	3	c	29.76		26	-8	WSW	2	bm		0.18	42	25	bcq	bcq	bcq	0.6		
Bath ...		29.54	39	N	2	bc	29.79		29	-7		0	b		0.02	47	28	bcq	bcq	bcq	4.7		
London (Kew Obsy.)...		29.50	38	NW	3	c	29.79	+0.3	31	-13	NW	1	bmw		0.08	44	30	bcq	bcq	bcq	2.0		
Isafjord...		29.71	31	E	2	S	29.54	-0.7	28	+8	E	5	0										
Reykjavik ...		29.69	30	E	1	b	29.38	-0.8	24	+17	E	5	c										
Vestmanna ...		29.77	27		0	b	29.40	-1.0	36	+21	E	7	bc	2									
Seydisfjord ...		29.79	24	W	2	b	29.61	-0.7	17	+4		0	b										
Thorshavn ...		29.68	29	NNW	3	S	29.50	-0.7	28	+4	NW	4	S										
Haparanda ...		29.32	4	W	2	b	29.41	+0.4	-1	-1	N	2	f			18	-11						
Hernösand ...		29.39	31		0	b	29.10	-1.0	30	+13	ENE	4	0			39	16						
Stockholm ...		29.40	34	SSE	2	0	28.76	-1.1	35	+2	SSE	6	d		0.28	37	32						
Wisby ...		29.40	36	SSW	2	0	28.82	-1.2	37	0	S	6	0		0.30	41	34						
Karlstad ...		29.28	32		0	c	28.63	-0.6	33	0	ESE	2	0		0.59	39	30						
Færder (X'ania Fjord)		29.22	36	ENE	2	0	28.81	0.0	30	-4	NNW	7	0	3		34	30						
Bodö ...		29.26	28	E	2	bc	29.23	-0.4	28	+6	E	2	b	2		34	21						
Christiansund ...		29.31	30	SW	2	0	29.02	-0.8	26	-6	SE	2	b	4	0.24	32	25						
Skudesnaes ..		29.26	32	NE	6	0	29.19	-0.1	29	-8	NE	6	c	2		39	27						
The Scaw (Skagen)...		28.98	35	ESE	8	S	28.83	+1.2	33	-4	NNW	9	0	4	0.35	41	32						
Blaavands Huk ...		28.77	38	S	7	S	29.22	+1.8	36	-2	NW	10	c	8	0.47	41	32						
Cuxhaven ...		28.92	40	SW	9	0	29.39	+1.5	38	0	NW	8	0		0.20	46	37						
The Helder ...																							
Brussels ...		29.49	39	WSW	4	b	29.70	+0.5	33	-10	WSW	1	c		0.24	46	32						
Berlin ...		29.32	52	SW	3	0	29.45	+0.6	39	-2	W	5	c		0.08	54	39						
Frankfurt ...																							
Munich ...		29.58	49	SW	4	b	29.75	+0.3	32	-6	NW	1	S		0.12	61	30						
C. Gris Nez...		29.47	42	NNW	6	c	29.76	+0.5	35	-9	NNW	4	b	5	0.08	45	34						
La Hève ...		29.56	41	W	6	c	29.77		37	-8	NNE	3	c	4	0.08	48	36						
Brest (St. Mathieu) ...		29.75	41	N	4	c	29.82	-0.2	39	-6	ESE	2	c	5	0.08	46	37						
Lorient (Bec Melon)...		29.65	45	NW	5	c	29.81		40	-8	N	2	bc	2	0.04	52	37						
Rochefort (Ile d'Aix)		29.76	46	NNW	5	0	29.83	0.0	40	-10	N	3	c		0.28	54	39						
Biarritz ...		29.89	55	WSW	4	0	29.87	-0.3	44	-6	SSE	2	b	5	0.12	55	41						
Paris ...		29.63	40	NNW	1	bc	29.75	+0.4	36	-9	NW	2	b		0.20	49	32						
Belfort ...		29.65	43	WSW	8	0	29.80		32	-11	W	3	S		0.43	53	32						
Lyons ...		29.78	48	S	6	T	29.86		33	-15		0	0		0.79	56	32						
Nice ...		29.98	48	SW	3	0	29.60	-1.0	47	-2	WSW	5	c	4	0.51	59	45						
Perpignan ...		29.80	56	NE	3	0	29.80	+0.1	46	-2	NW	3	0			69	45						
Sanguinaire ...		30.08	53	SSE	3	c	29.90		55	+2	SSE	4	c	3		61	46						
Corunna (8 a.m.) ...		30.02	54	WSW	6	0	29.76	-0.8	48	-2	NE	2	T	7	0.39	57	45						
Lisbon																							

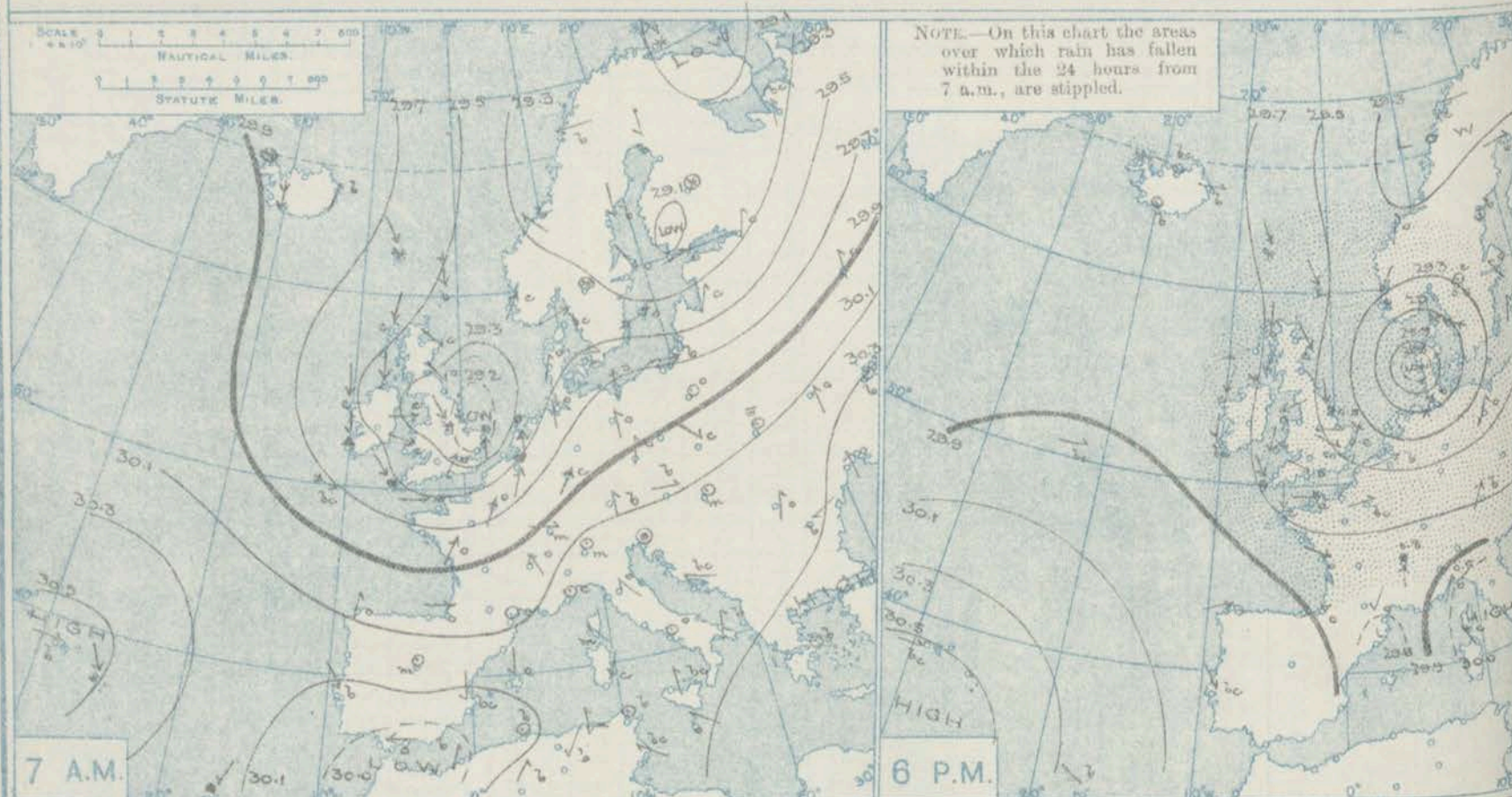
* Information for these columns not usually received.

† Received too late for insertion in Charts.

GALES.

Duration and Extreme Force
on British Coasts.Lerwick. Jan. 11 a.m.
Extreme N.E.Malin Head. 10 a.m. - 2 p.m.
Squalls NNE. 8.Dungeness. Jan. 10 a.m.
Extreme SSW. 9.Aberdeen. 11 a.m.
Squalls WSW. (9).Spurn Head. Jan. 18th.
Squalls NW. 8.Kew Obsy. 7.30 a.m.
Squalls WSW. (8).

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 17TH MARCH.



GENERAL INFERENCE

WEATHER PROSPECTS.

a new disturbance approaching our western coasts will bring about a general

change to a southerly type of conditions, with less settled weather later, and some rise of temperature

FORECASTS FOR THE 24 HOURS NOON TUESDAY

TO NOON WEDNESDAY.

- 0 {
a Moderating westerly breezes,
b backing southerly and freshening again;
fine to less settled, some cold rain or snow; temperature below the normal.

- 1 {
a Light north-easterly breezes,
b backing southerly and freshening later, fine at first, with local mist
cloudy to dull later, some cold rain or snow; temperature below the normal.

5

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

SOUTH CONE HOISTED in Districts 6b - 11 at 8.20am today.

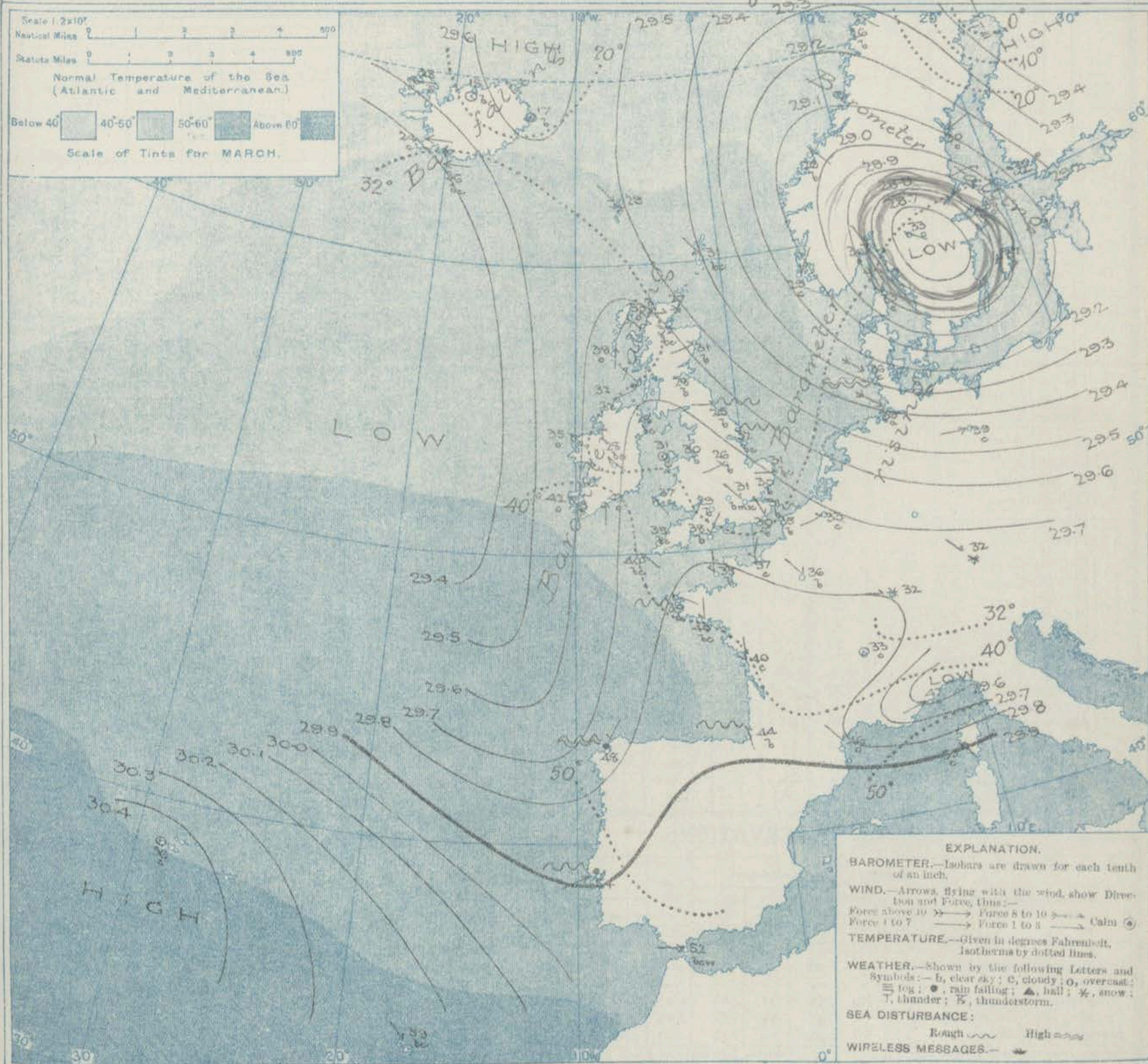
- 6 {
a Same as nos. 0 and 1.
b
- 7 {
a Increasing south easterly
b and southerly winds, becoming fresh or strong, a gale at times locally; cloudy to dull, some cold rain or snow; temperature below the normal.
- 8 {
a
b
- 9 {
a
b
- 10 {
a
b

11 WESTERN CHANNEL AND BAY.

South easterly and southerly winds, becoming fresh or strong, a gale at times. Sea smooth to rough, considerable westerly swell; cloudy to dull, some rain or sleet; cold.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. Tuesday 18th MARCH 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

An area of high pressure, with the barometer above 30.4 in., lies over the Azores. In a deep depression over southern Sweden the barometer is as low as 28.6 in. Pressure is giving way over Ireland and Iceland, under the influence of an Atlantic depression. The gradient is very steep over the Scandinavian region, moderate to very slight elsewhere.

There is a complete cyclonic circulation of winds round the Swedish depression, a very severe northerly to north westerly gale blowing on the eastern shores of the North Sea. Over our

Western districts the wind has shifted into South East and South, light to moderate in force. over the British Isles temperature ranges from 25° at North Shields to 42° at Rodeb Point and Valencia; on the Continent from 32° at Munich to 52° at Gibraltar; in Scandinavia from 1° below zero at Haparanda to 37° at Nishy; and in Iceland from 17° to 36°. The weather is at present fine over the greater part of the region under observation, but the sky is clouding over on our western coasts, and snow is falling at Wick, the Farnie and Munich. A rough sea is running off the Shetlands and it is rather rough off the Lyne and locally on the French coasts.

DAILY WEATHER REPORT.

Tuesday, 18th March, 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
17th, 6 p.m.	50	22	Virginian	O	29.96	-0.2	W	1-3	bc	17th, 7 a.m.	50	16	Barmenia	O	29.82	+0.12	N	5-9	b
"	55	9	Frederick	O	29.75	+0.5	ESE	4-5	c	"	49	16	Montezuma	O	29.85	+0.10	N	8-9	bc
7 a.m.	50	17	Teutonic	O	29.82	+0.19	N	1-3	c	"	48	16	Thunscaplis	H	29.88	-0.03	NW	8-9	c

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.		In.					Hr.	England, S.E.		In.					Hr.
Oban		0.09	38	32	b. os.	bc	6.1	Margate		0.12	45	39	a. c.	bc. b.	1.7
Stonehaven		...	...	...	...	...	...	Ramsgate		0.25	47	37	"	"	2.2
St. Andrews		0.08	41	30	bc	bc	2.5	Deal		0.36	45	38	q. r. c.	bc. tr. c.	3.4
Carnoustie		...	...	...	...	...	...	Folkestone		0.34	46	37	q. r. c.	bc. b.	4.7
England, N.E.		...	...	...	...	...	...	Littlestone		...	...	...	...	...	5.3
Harrogate		0.11	38	31	ps. ops	ops. o	0.0	Hastings		0.52	47	38	ot. bc	bc.	6.3
Scarborough		"	41	34	og. s.	og.	0.0	Bexhill-on-Sea		0.40	46	39	o. c. bc	p. bc. b.	6.3
England, N.W.		...	...	...	...	...	...	Eastbourne		0.52	47	39	bc. b.	bc. b.	6.1
Blackpool		...	...	...	...	...	...	Seaford		0.41	47	33	o. c.	bc. b.	6.4
Southport		0.05	43	34	ch. sq.	bc. h. c.	4.0	Brighton		0.52	47	41	c. bc.	bc. c.	6.9
Buxton		0.20	38	31	bc	bc	1.3	Worthing		0.35	48	39	b	b	6.9
Matlock		...	...	...	...	...	...	Littlehampton		...	...	...	...	...	6.3
Douglas		...	...	...	...	...	...	Bognor		...	...	...	...	...	...
Wales.		...	...	...	...	...	...	Southsea		0.07	47	39	bc	bc	7.6
Rhyl		0.04	43	33	b. p. h.	h. p. bc.	4.6	Bournemouth		0.40	47	38	c. bc. b.	b. bc. cr.	7.7
Colwyn Bay		0.14	44	36	b. h.	b	3.3	Weymouth		0.38	47	38	bc	bc	...
Llandudno		0.23	42	34	b. h.	b	5.2	Teignmouth		0.32	46	36	op. b.	bc. q. p.	4.6
Bettws-y-Coed		"	45	34	c. bc	bc	1.8	Torquay		0.43	46	35	bc	bc	5.5
Aberystwyth		0.53	43	34	s. r. o	o. c. s.	1.5	Paignton		0.43	47	39	bc. h.	h. bc. h.	5.6
England, S.W.		...	...	...	...	...	...	Ilfracombe		0.55	44	35	bc	bc. b. bc.	5.1
Lowestoft		0.26	39	34	os. r.	os. r.	0.0	Weston-super-Mare		0.26	45	38	b	b. p. c. b.	6.5
Felixstowe		0.22	43	34	cp. q.	bc. p. q. s.	3.2			...	...	...	...	...	...
Walton-on-Naze		0.37	45	36	tc. bc.	c. bc.	3.2			...	...	...	...	...	...
Southend-on-Sea		?	45	?	bc. p.	bc. e.	3.9			...	...	...	...	...	...

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain- fall.	WEATHER.			Sun- shine for Yester- day.	STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.
	3 p.m. Yester- day.	9 a.m. To- day.	In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.				In Screen.	Night Min. on Grass.	Night.	Fore- noon.	After- noon.		
			Max.	Min.		Max.												Min.	
			24 HOURS ENDED 9 A.M. TO-DAY.																
%	%				In.				Hr.		In.							Hr.	
Greenwich (Royal Obs.) ...	86	71	43	28	19	0.06	o	at. sh. p.	2.5	Dublin to 4 p.m.	0.01	44	33	31	c. b.	bc	p. s. c.		
City (Bunhill Row) ...	"	"	"	"	"	"	"	"	2.1	Plymouth to 9 p.m.	0.21	49	36	30	bc. w.	bc. v.	bc.	bc	
Westminster (St. James's Pl.)	92	79	44	31	26	0.07	ot	bc. sh. p.	2.0	Darwen "	0.02	40	32	29	bc. o.	os. u.	au	1.9	
Camden Sq. (Brit. Rainfall)	80	73	43	26	21	0.05	cp. bc.	bc. sh. p.	2.2	Manchester "	0.04	40	34	"	ot	ot. c.	bc.	1.9	
Hampstead (Reservoir) ...	"	71	41	26	18	0.03	c. ts.	ots	2.2	Birmingham "	0.64	39	32	28	5	b. r. sp.	rsp. o.	2.7	
Kew. (See front page.)										Oxford to 8 p.m.	-	47	34	30	ot. q. s.	os. q. c. ot. sh. p.			
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																			
Total.			Average Rate.			Max. Rate.				S. Kensington (Museum Grounds to 6 p.m.)									
428 joules.			10 Milli-watts			35 Milli-watts.			1.9	0.42 47 36 35 ot. o. ot. q. s. ot. sp. at. sh. p.									
S. Kensington (Roof of M.O.)			88 75																

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

NOTES ON YESTERDAY'S WEATHER.

18th & 19th March 1913.			Sunrise.	Noon.	Sunset.	Country, not exceeding 33° in Shetland. Sharp frost occurred in the night, the shade temperatures falling to 25° at Birr Castle and Nottingham and 23° at North Shields. Rain, hail or snow fell generally, and thunderstorms occurred locally. A few stations in eastern England had no bright sunshine, the records elsewhere ranging upwards to 7 1/2 hours at Bournemouth. As far west as the 22nd meridian ships experienced northerly to westerly winds, a gale at first, falling light later, with fair weather.
G.M.T.	G.M.T.	G.M.T.				
Yarmouth	6.2	12.1	6.0	12.1	6.2	
Greenwich	6.9	12.8	6.7	12.8	6.9	
Wick	6.23	12.20	6.18	12.20	6.20	
Valencia	6.50	12.49	6.48	12.49	6.50	

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. low 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.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

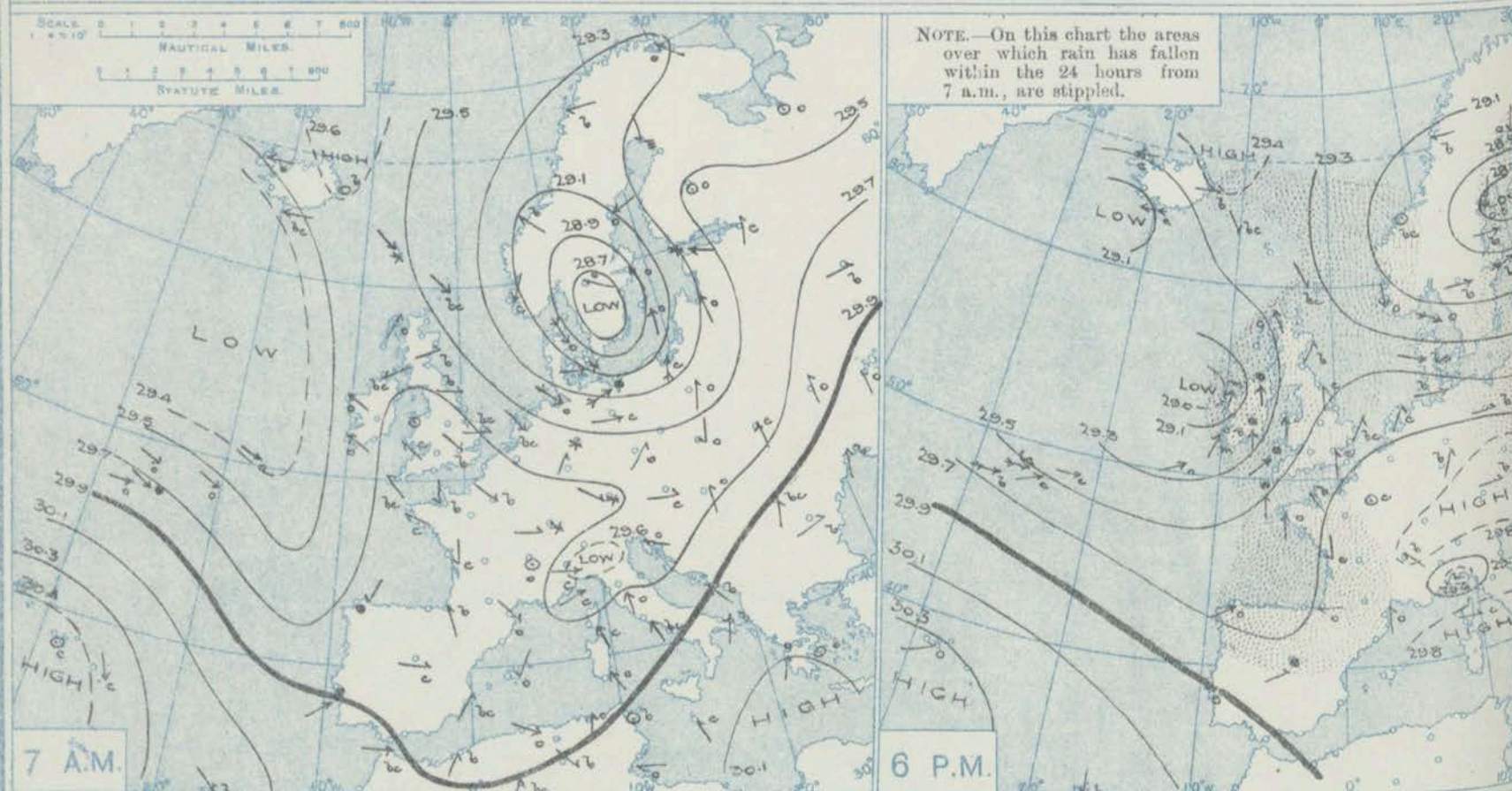
Wednesday,
19th March, 1913.

STATIONS.	YESTERDAY EVENING.						THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun- shine for Yester- day.
	BAROM.		TEMP.		WIND.	Force (0 to 12).	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 2).	Rain- fall.	TEMP.		WEATHER.					
	At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Dirac.	Force (0 to 12).				At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						Dirac.	Force (0 to 12).	Weather.	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	
Spitzbergen	29.64	-7	S	1	b		29.62	-0.02	-18	-19	-	0	b	4	-	1	-25					Hours		
Lerwick	29.30	34	WNW	2	bc		28.81	-1.13	37	+6	E	8	c	6	trace	37	28	bcps	bc	cq				
Stornoway	29.29	36	SSE	5	cq		28.41	-1.11	39	+6	SE	5	o	5	0.15	42	32	c	cq	c.op	2.4			
Castlebay (Barra Isd.)	29.14	38	SE	5	omp		28.36	-0.06	42	+4	WNW	5	op	5	0.45	44	36	o.c	c.op	op	1.0			
Malin Head	29.09	37	S	5	ompq		28.42	+0.02	42	+10	WNW	9	cq	7	0.11	43	32	bcq	omp	gym				
Blacksod Point	29.01	46	SSW	4	m		28.68	+0.03	41	+6	W	7	c	5	0.37	46	34	omgr	omd	omgr				
Valencia	29.19	47	SW	4	m		29.01	+0.03	42	0	WSW	8	c	6	0.76	51	38	m	omr	omr	0.0			
Roche's Point	29.22	46	SSW	7	r		28.96		44	+2	W	4	b	4	0.33	49	42	op	or	r.o.b.				
Birr Castle	29.17	42	S	5	r		28.80		40	+12	W	6	c	*	0.17	48	28	o	o.or	cq/p	0.0			
Donaghadee	29.39	39	S	3	r		28.61	-0.04	40	+12	WSW	4	c	4	0.39	44	28	bc.or	omr	omr				
Liverpool Obsy.	29.48	39	SSE	3	o		28.71	-1.14	43	+13	WSW	7	o	5	0.13	47	30	bc	o	omr	4.2			
Holyhead	29.39	43	S	5	o		28.73	+0.01	43	+12	WNW	7	c	6	0.48	47	31	om	om	omr	1.8			
Pembroke (St. Ann's Hd.)	29.40	43	SW	6	r		28.88	-0.01	46	+9	W	8	cq	6	0.27	48	36	c	cq	cqr	1.2			
Newquay	29.48	45	SSE	6	cq/p		29.08	-0.01	48	+13	WSW	7	cq	6	0.21	49	34	o.c.p	o	op	0.0			
Scilly (St. Mary's)	29.45	45	S	5	omr		29.12	-0.01	47	+7	WNW	7	cq/p	7	0.21	49	40	c	omp	omr	1.0			
Jersey (St. Aubin)	29.69	45	SE	3	b		29.26		48	+13	SSW	5	og	5	0.01	48	35	bc	bc	bc	9.4			
Portland Bill	29.61	44	S	3	c		29.03	-1.15	49	+11	SW	8	r	6	0.11	49	38	bc	bc	cqr				
Dungeness	29.68	40	S	3	c		29.10	-1.19	44	+14	SSW	10	og	7	0.04	44	30	c.bc	c	bc				
Dover	29.71	37	SSW	3	bc		29.12		43	+12	SSW	8	o	7	0.01	43	31	b	b.bc	bc	8.8			
Wick	29.33	34	SSW	1	bc		28.49	-2.0	38	+11	SE	7	og	6	0.37	38	27	ops	ops	ops				
Nairn	29.36	32	W	1	bc		28.42		38	+6	E	1	o	1	0.01	40	29	bc	bc	bc	5.9			
Aberdeen	29.40	35	SW	3	b		28.47	-1.18	38	+6	SSE	4	r	4	0.37	42	31	bc	bc	bc	6.7			
Leith	29.43	36	SSW	1	c		28.46	-1.19	43	+15	SSW	4	r	5	0.06	43	27	b	bc	c				
North Shields	29.47	38	S	3	cq		28.53	-1.16	39	+14	S	6	r	5	0.08	39	24	c	o	or	6.9			
Spurn Head	29.57	37	SSW	3	bc		28.74	-2.25	40	+8	SSW	9	og	7	0.06	40	30	bc	bc	bc	7.3			
Yarmouth	29.67	40	SW	2	bc		29.11	-2.0	40	+9	S	6	r	6	0.04	43	30	bc	bc	bc	8.6			
Clacton-on-Sea	29.67	39	SSE	3	o		29.06	-1.16	42	+12	S	6	o	5		43	30	bc	bc	bc	8.4			
Nottingham	29.60	39	S	3	o		28.79		44	+18	S	7	r	*	0.07	44	26	bc	bc	bc	0.7			
Bath	29.62	41	S	3	o		28.96		50	+21	W	8	r	*	0.16	51	29				4.8			
London (Kew Obsy.)	29.66	40	S	3	c		29.02	-1.19	43	+12	SSW	7	og/r	*	0.03	43	31	bc	bc	bc	7.0			
Isafjord	29.31	28	E	6	o		29.21	+0.02	26	-2	E	7	o											
Reykjavik	29.06	34	E	4	c		28.94	-0.01	24	0	E	4	b											
Vestmanna	29.02	35	E	9	c		28.91	+0.01	29	-7	E	8	b	4										
Seydisfjord	29.41	30	W	1	b		29.16	-0.03	23	+6	-	0	s											
Thorshavn	29.32	35	WNW	1	bc		28.86	-0.09	35	+7	E	7	o											
Haparanda	29.02	25	NE	6	o		28.76	-0.03	23	+24	NE	8	o		0.04	25	-2							
Hernösand	28.69	28	NE	2	s		28.40	+0.08	24	-6	W	4	c		0.51	32	23							
Stockholm	28.91	30	W	6	b		29.19	+0.07	30	-5	WSW	6	b		0.16	37	28							
Wisby	29.14	34	WSW	9	b		29.32	+0.07	35	-2	WSW	6	b		trace	39	30							
Karlstad	28.46	29	W	4	b		29.18	+0.06	27	-6	WSW	2	b			36	23							
Færder (Xianla Fjord)	29.02	35	W	6	b		29.20	+0.03	33	+3	WSW	5	o	4		36	30							
Bodö	29.08	29	E	1	b		29.04	-0.01	24	-4	E	2	b	1		28	23							
Christiansund	29.00	30	-	0	bc		29.00	+0.01	31	+5	SW	3	o	4	0.24	32	25							
Skudesnaes	29.19	32	N	4	o		29.05	-0.05	34	+5	SE	6	o	4		36	28							
The Scaw (Skagen)	29.19	36	WNW	9	o		29.28	+0.01	35	+2	WSW	4	o	1	0.04	37	32							
Blaavands Huk	29.48	35	WNW	6	bc		29.32	-0.09	37	+1	SW	6	o	5	trace	37	28							
Cuxhaven	29.63	37	W	5	b		29.45	-1.10	31	-7	S	4	bc		0.04	41	30							
The Helder	29.69	38	SW	3	c		29.22	-1.19	35	-4	SSE	7	o	2	trace	41	32							
Brussels	29.74	34	ESE	1	o		29.40	-1.13	37	+4	SSW	5	o			45	23							
Berlin	29.68	35	W	2	b		29.69	-0.01	31	-8	S	2	o		trace	50	28							
Frankfurt	29.78	35	SW	1	b		29.69	+0.02	32		SW	2	f			46	32							
Munich	29.86	30	W	2	b		29.82	-0.04	24	-8	S	2	c		0.20	34	21							
C. Gris Nez	29.71	37	S	2	c		29.22	-2.0	40	+5	SSW	8	r	7	trace	45	35							
La Hève	29.69	42	E	2	o		29.26		41	+4	SW	7	o	6		46	37							
Brest (St. Mathieu)	29.63	46	WNW	5	o		29.36	-0.01	51	+12	SW	5	f	4	0.04	52	39							
Lorient (Rec Melon)	29.66	46	S	2	o		?		52	+12	SW	5	r	4	0.08	52	40							
Rochefort (Ile d'Aix)	29.73	46	N	2	c		29.62	-0.01	48	+8	SSW	5	r	*	0.04	55	39							
Biarritz	29.71	46	E	1	o		29.19	+0.02	54	+10	WSW	4	o	4	0.12	50	43							
Paris	29.76	40	SE	1	bc		29.51	-1.11	38	+2	S	3	o			46	31							
Belfort	29.80	36	WSW	4	bc		29.77		28	-4	-	0	m		0.04	43	24							
Lyons	29.81																							

* Information for these columns not usually received.

† Received too late for insertion in Charts.

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 18TH MARCH.



GENERAL INFERENCE

WEATHER PROSPECTS.

A very deep cyclone over western Scotland will move eastward or north-eastward,

and a stormy day will be general throughout the Kingdom, moderating later.

FORECASTS FOR THE 24 HOURS NOON WEDNESDAY TO NOON THURSDAY.

0 {
a} Easterly strong winds and gales
backing northerly and north-westerly
moderating later; very squally, some
rain or snow, then fairer; cold,
night frost.

1 { Wind between South and

2 { West and North-West, gales or

strong winds, moderating and

3 { backing again later; very squally,

4 { some rain, fairer later; very

5 { mild during day, colder tonight

FORECAST DISTRICTS.



STORM WARNINGS.

The Coast upon which the Warning signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

SOUTH CONE HOISTED
Districts 6b-11 at 8.20am yesterday
do. 6a-11 " 2.25pm "
do. 5 " 7.15pm "
do. 4-5 " 7.30am today

6 {
a
b

7 {
a
b

8 {
a
b

9 {
a
b

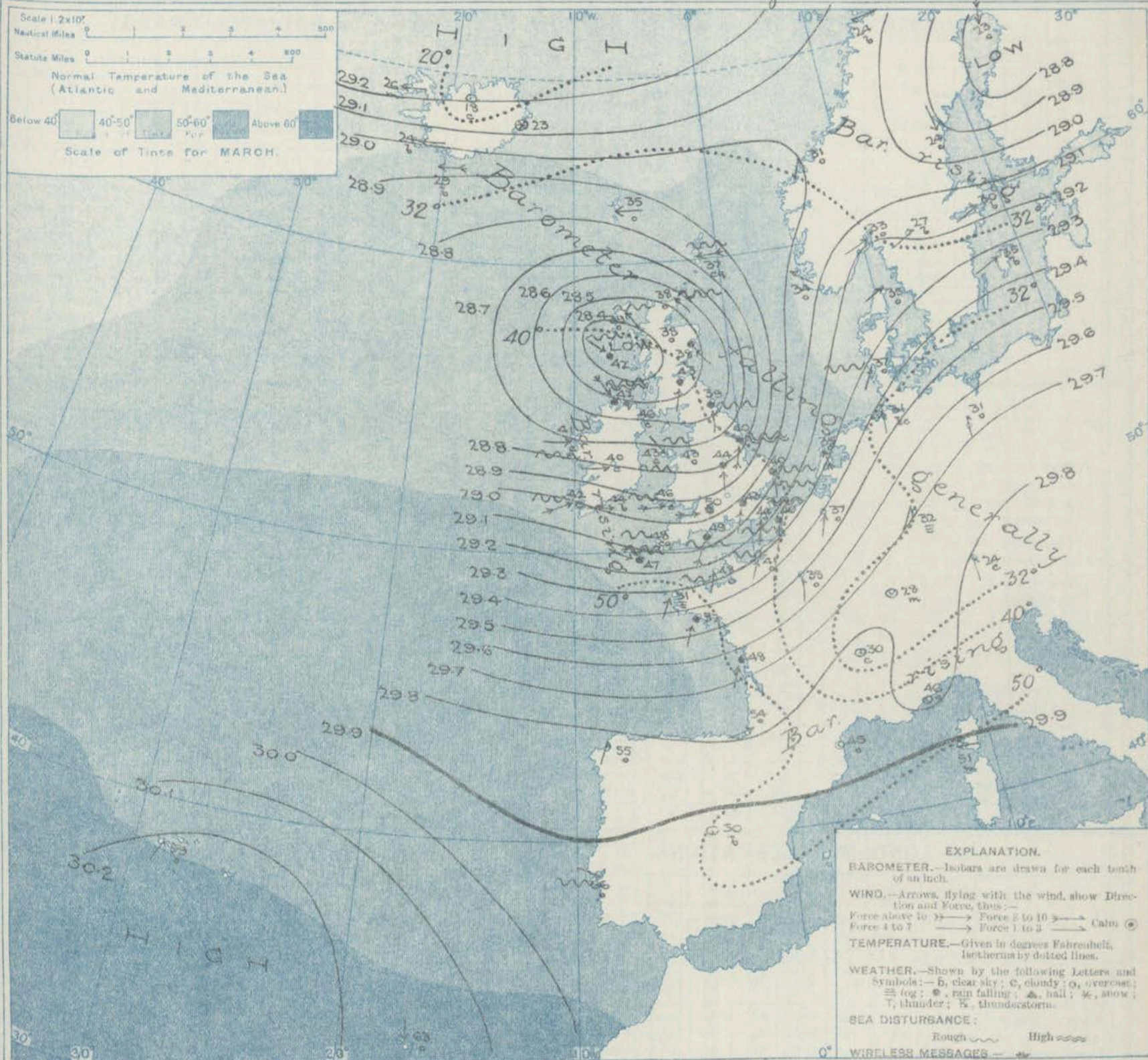
10 {
a
b

11 WESTERN CHANNEL AND BAY.

Southerly, westerly and north-westerly gales, moderating later; high sea and north-westerly swell; very squally, some rain, mist or fog; fairer later; mild.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. Wednesday, 19th MARCH 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The pressure distribution is of a very unsettled type. The barometer is highest at the Azores, 30.2 in., and at Spitzbergen, 29.6 in. Between these regions there is a very deep trough of low pressure, the barometer being at 28.4 in. in a depression over Lapland, and 28.3 in. in a deeper cyclone centred over western Scotland. The gradient is very steep between Iceland and the Mediterranean.

The winds circulate cyclonically round the two pressure minima, strong winds to

strong or whole gales being reported over an extensive region. Over the British Isles temperature ranges from 37° at Lerriche to 50° at Bath; on the Continent from 24° at Munich to 55° at Bonn; in Scandinavia from 23° at Haparanda to 35° at Wisby; and in Iceland from 18° to 29°. The weather generally is very cloudy to overcast, rain falling in many parts of this country, and in western France, snow in eastern Iceland. The atmosphere is foggy on the west coast of France. A rough to high sea is running on nearly all coasts.

DAILY WEATHER REPORT.

Wednesday, 19th March, 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
18th, 6 p.m.	47	29	<i>Barman</i>	0	29.67	+0.2	W	8-9	b.	18th, 7 a.m.	48	27	<i>Tranconia</i>	H	29.77	-0.4	W	6-7	0
"	48	24	<i>Minnetonka</i>	0	29.54	-0.6	WSW	6-7	c.	"	49	26	<i>Tautonic</i>	0	29.58	+0.5	WNW	6-7	0
"	48	23	<i>Montezuma</i>	0	29.44	-0.6	W	8-9	bc.	"	48	25	<i>Barman</i>	0	29.69	+0.6	WNW	6-7	0
"	48	22	<i>Tranconia</i>	H	29.49	-0.5	W	6-7	c.	"	48	21	<i>Minnetonka</i>	0	29.62	+0.7	WNW	6-7	0
"	48	21	<i>Finland</i>	0	29.56	+0.2	WSW	6-7	0	"	50	18	<i>Arabic</i>	H	29.40	-0.4	WNW	6-7	0
"	50	14	<i>Arabic</i>	H	29.25	-0.5	WSW	6-7	0										

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scotland.	In.					Hr.	Margate ...	In.					Hr.
Oban ...	0.03	38	25	c-bc-c.	0-c.	3.0	Ramsgate ...	-	42	39	b	b	8.8
Stonehaven ...	-	38	27	b	b	8.6	Deal ...	-	42	31	b	b	8.3
St. Andrews ...	-	38	27	b	b	8.6	Folkestone ...	-	43	31	b	b	8.6
Carnoustie ...	-	38	27	b	b	8.6	Littlestone ...	-	43	31	b	b	8.7
England, N.E.							Hastings ...	0.02	42	31	0.1-b-c.	b-bc-c.	9.4
Harrogate ...	-	41	23	b-bc.	b-bc.	6.5	Bexhill-on-Sea ...	-	43	31	b	b	9.2
Scarborough ...	-	41	28	c-b	c-b.	5.5	Eastbourne ...	-	47	?	b-bc.	b	9.1
England, N.W.							Seaford ...	-	44	29	b	b	9.3
Blackpool ...	-	42	25	c-bc.	c.	4.7	Brighton ...	-	43	30	b-bc.	b-c-c.	9.2
Southport ...	-	42	27	b-bc-c.	b-c.	2.3	Worthing ...	-	45	29	b	b	8.0
Buxton ...	0.01	38	21	b-c	b-c.	7.2	Littlehampton ...	-	-	-	-	-	-
Matlock ...	-	38	21	b-c	b-c.	7.2	Bognor ...	-	-	-	-	-	-
Douglas ...	-	38	21	b-c	b-c.	7.2	Southsea ...	-	44	31	b	b	6.2
Wales.							Bournemouth ...	-	45	30	c-bc.	c.	3.3
Rhyl ...	-	42	27	b-bc.	b	2.1	Weymouth ...	-	44	30	b-c.	b-c-c.	5.6
Colwyn Bay ...	-	43	29	b-bc.	b	2.6	Teignmouth ...	0.01	48	30	b-c-b.	b-bc-c.	4.8
Llandudno ...	0.01	44	29	c-b.	b.	1.7	Torquay ...	-	48	37	b	b-c-c.	4.9
Bettws-y-Coed ...	-	44	31	0-c.	c-c.	1.5	Paignton ...	0.03	47	28	b-c	b-c	3.4
Aberystwyth ...	0.06	44	29	b-c	b-c-c.	9.1	Ilfracombe ...	0.01	48	33	b-c	b-c	3.1
England, S.							Weston-super-Mare ...	-	45	30	b-bc-b.	b-bc.	-
Lowestoft ...	0.06	44	29	b-c	b-c-c.	9.1							
Felixstowe ...	-	43	29	b-c	b-c	8.5							
Walton-on-Naze ...	0.01	42	33	b	b	8.6							
Southend-on-Sea ...	-	46	30	b	b	8.0							

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	Humidity.	TEMPERATURE.		Rainfall.	WEATHER.		Sunshine for Yesterday.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine for Yesterday.
		In Screen.	Min. on Grass.		Forenoon.	Afternoon.				In Screen.	Night Min. on Grass.	Night.	Forenoon.	
Greenwich (Royal Obey.) ...	56	93	47	34	27	0.10	5.3	Dublin to 4 p.m.	-	45	28	24	b-c-c.	5.3
City (Bunhill Row) ...	-	-	-	-	-	-	1.9	Plymouth to 9 p.m.	0.01	48	30	18	c-b-c.	5.0
Westminster (St. James's Pk.)	63	100	50	35	30	0.05	3.1	Darwen	-	39	23	21	b-c	5.3
Camden Sq. (Brit. Rainfall)	57	89	49	34	31	0.05	6.3	Manchester	-	41	26	-	c-b-c.	5.7
Hampstead (Reservoir) ...	-	94	47	35	30	0.05	7.5	Birmingham	-	40	25	11	b-c	-
Kew. (See front page.)	-	-	-	-	-	-	-	Oxford to 8 p.m.	-	44	28	22	c-b-c.	-
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETER DURING YESTERDAY.								S. Kensington (Museum Grounds to 6 p.m.)						-
Total.		Average Rate.		Max. Rate.		4.5		43		31		20		-
864 Joules.		20 Milliwatts.		48 Milliwatts.		4.5		43		31		20		-

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

19th & 20th Mar., 1913.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 6.0 S.S. 5.58	G.M.T. 12.1 12.1	G.M.T. 6.3 6.3
Greenwich ...	6.7 6.3	12.8 12.8	6.9 6.10
Wick ...	6.20 6.18	12.20 12.20	6.20 6.21
Valencia ...	6.48 6.46	12.49 12.49	6.50 6.51

NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature remained below 45° over the greater part of this country. Snow or sleet fell locally in the north and rain has been general, up to $\frac{3}{4}$ in. at Valencia. The few western stations had little or no bright sunshine, but nearly all parts of Britain had large records, from 8 hours to nearly 10 hours in many places. As far west as the 30th meridian ships experienced westerly strong winds and gales, with cloudy to dull weather and some rain. In the gale round our coasts, storm force was experienced at Pungness.

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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1913.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

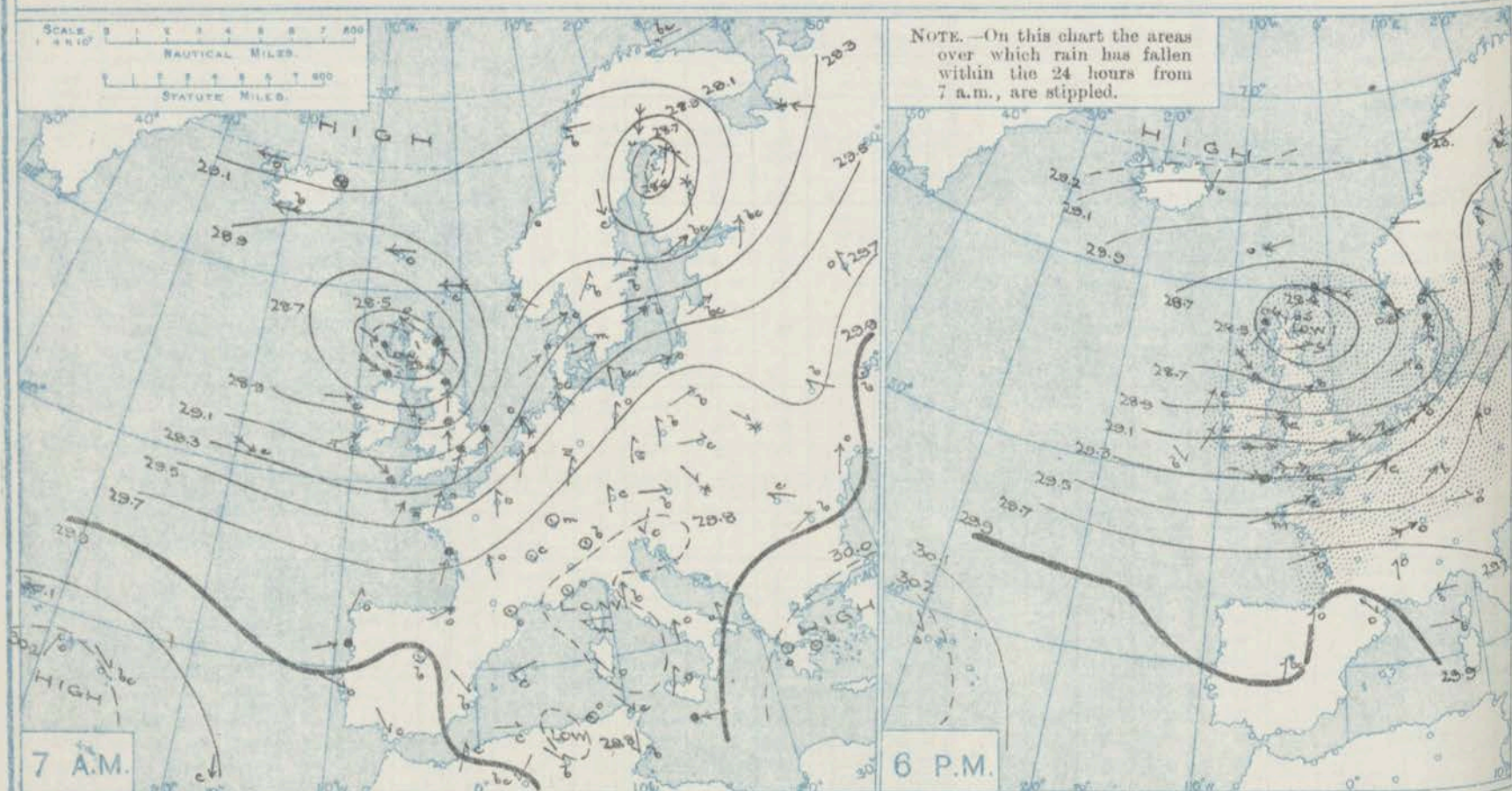
Thursday,
20th March, 1913.

STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
	BAROM.		TEMP.		WIND.	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.			
	At 32° Fahr. and M.S.L. Lat. 46°.	Dry Bulb.	Dirac.	Force (0 to 12).			At 32° Fahr. and M.S.L. Lat. 46°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	After'n. 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.	
Spitzbergen	29.52	-24	-	0	b	29.44	0.00	-18	0	-	0	b	*	-	-18	-27					3.
Lerwick	28.49	38	ESE	9	r	28.65	+0.05	40	+3	NE	5	c	6	0.11	40	35	ot	ot	opq		
Stornoway	28.45	37	WSW	1	r	28.68	+0.07	37	-2	WSW	5	r	4	0.58	39	34	ots	ot	opq	0.0	
Castlebay (Barra Isd.)	28.51	43	WNW	5	op	28.78	+0.06	43	+1	W	6	bc	6	0.10	44	38	opcoy	opchp	pcok	2.0	
Malin Head	28.61	40	NW	9	cqh	28.89	+0.03	38	-4	SW	7	cq	5	0.36	44	37	qmphr	maph	maphl		
Blacksod Point	28.86	44	SW	7	o	28.96	+0.01	41	0	SW	7	o	5	0.18	46	37	omg	omgp	omyp		
Valencia	29.13	45	SW	6	cq	29.15	0.00	40	-2	SW	2	ot	6	0.17	47	37	cqph	bcgh	cqp	5.6	
Roche's Point	29.10	45	W	5	bc	29.21		42	-2	SW	5	c	5	0.06	48	38	bcapp	bcgp	bcpc		
Birr Castle	29.00	42	W	6	c	29.13		35	-5	SSE	1	c	*	0.22	47	33	cqp	cqp	csp	6.0	
Donaghadee	28.77	40	W	6	bcq	29.05	+0.08	35	-5	SW	4	bc	3	0.16	45	35	cqo	bcqo	bcq		
Liverpool Obsy.	28.92	44	WSW	7	bc	29.19	+0.05	41	-2	SW	4	b	5	Trace	47	37	b.gp	b.gp	b	7.9	
Holyhead	28.98	42	W	6	bc	29.17	+0.01	42	-1	W	4	bc	3	-	43	39	bcq	bcq	bcq	7.4	
Pembroke (St. Ann's Hd.)	?	?	W	8	bc	29.30	+0.02	43	-3	WSW	7	cqo	7	0.03	48	36	cq	bcq	bcq	6.3	
Newquay	29.27	47	WSW	7	bp	29.41	+0.01	45	-3	S	3	bcq	5	0.09	50	42	bcqo	bcqb	b.bcp	5.2	
Scilly (St. Mary's)	29.30	47	WNW	7	cmq	29.48	0.00	47	0	WSW	4	cm	7	0.07	51	43	cmq	cmqo	cqp	6.2	
Jersey (St. Aubin)	29.40	51	WSW	5	cq	29.59		48	0	SW	4	ogp	4	0.03	54	47	om.o	bc.bq	cq.oq	4.0	
Portland Bill	29.23	46	W	8	bc	29.44	+0.02	47	-2	WSW	5	bc	5	0.09	50	45	cqp	cqp	cq.bc		
Dungeness	29.16	47	SW	7	cq	29.46	+0.03	46	+2	SW	5	cq	5	0.14	53	44	o.cq	qc	cq		
Dover	29.17	46	SW	6	b	29.48		45	+2	SW	2	o	6	0.17	52	41	to.sh	bc.b	b.b	3.4	
Wick	28.34	38	N	2	o	28.70	+0.07	35	-3	-	0	o	3	0.51	40	34	ogpdy	omd	omd		
Nairn	28.40	40	W	1	o	28.74		36	-2	WSW	2	r	2	0.25	41	33	st.z	3.0	qpgp	0.0	
Aberdeen	28.36	42	WSW	3	c	28.80	+0.08	38	0	SSE	3	o	2	0.25	43	37	rs.or	o.o.c	c.o	0.0	
Leith	28.52	41	WSW	6	c	28.97	+0.09	39	-4	WSW	5	b	*	0.15	46	37	ogrcp	apq	cq		
North Shields	28.62	43	SW	7	b	29.02	+0.08	40	+1	SW	5	bc	3	0.14	46	36	r	c	c	6.0	
Spurn Head	28.86	39	W	7	b	29.22	+0.06	39	-1	WSW	6	bcq	6	0.16	45	32	cqp	bcq	bcq	2.4	
Yarmouth	28.98	46	WSW	3	bc	29.35	+0.10	40	0	SW	2	bc	2	0.14	49	39	omr.bc	bc	b.b	4.0	
Clacton-on-Sea	29.07	47	W	4	bc	29.43	+0.06	43	+1	SW	3	bc	3	0.18	51	41	ogp.bc	cq.bc	bc	3.7	
Nottingham	28.97	43	W	6	b	29.29		39	-5	WSW	4	b	*	0.18	48	38	rp.c	op.b	cp.b	7.3	
Bath	29.17	48	W	6	o	29.41		42	-8	SW	4	b	*	0.02	52	40	-	-	-	5.4	
London (Kew Obsy.)	29.15	48	WSW	4	c	29.45	+0.04	42	-1	SW	3	bc	*	0.09	51	41	ogp.c	bc.c	bc.b	5.5	
Isafjord	29.27	26	NE	9	o	29.40	+0.06	21	-5	NE	8	c	*								
Reykjavik	28.98	33	NE	3	b	29.10	+0.04	23	-1	-	0	b	*								
Vestmanna	28.95	32	E	9	b	29.08	+0.02	29	0	-	0	b	2								
Seydisfjord	29.17	30	NE	2	o	29.17	0.00	30	+7	-	0	o	*								
Thorshavn	28.76	37	ENE	7	o	28.80	+0.01	36	+1	ENE	6	o	*								
Haparanda	29.04	19	NNE	6	bc	29.25	+0.06	17	-6	NNE	4	o	*	Trace	25	7	Trace	Jan-3 a.m.			
Hernösand	29.15	23	SSE	2	b	29.18	0.00	19	-5	N	2	o	*		28	10		Ex. ESE q.			
Stockholm	29.19	34	S	3	b	29.24	-0.03	34	+4	SSE	4	s	*	Trace	39	30		Malin Hd. Jan-3 a.m.			
Wisby	29.25	33	SW	1	b	29.25	-0.03	36	+1	SW	1	r	*	0.08	39	30		Ex. NW q.			
Karlstad	28.97	33	ENE	4	c	28.82	0.00	33	+6	ESE	2	s	*	0.16	37	27		Ex. NW q.			
Færder (X'ania Fjord)	28.90	36	ESE	6	o	28.71	-0.01	35	+2	E	4	o	4	0.08	36	32		Ex. NW q.			
Bodö	29.12	23	E	2	r	29.19	+0.01	21	-3	E	5	b	2		30	18		Ex. NW q.			
Christiansund	28.90	31	ESE	1	bc	28.77	-0.02	34	+3	SE	4	a	3		36	28		Ex. NW q.			
Skudesnaes	28.54	37	SE	9	o	28.54	+0.02	37	+3	ESE	8	o	6	0.03	37	32		Ex. NW q.			
The Scaw (Skagen)	28.77	37	S	8	r	28.78	+0.02	38	+3	SW	5	r	2	0.24	39	34		Ex. NW q.			
Blaavands Huk	28.75	41	SW	5	o	29.03	+0.13	41	+4	WSW	9	c	7	0.16	41	32		Ex. NW q.			
Cuxhaven	28.92	38	SW	8	o	29.28	+0.12	40	+9	WSW	7	bcq	*	0.12	43	31		Ex. NW q.			
The Helder	29.01	44	SW	5	b	29.36	+0.08	44	+9	SW	7	b	3	0.28	45	34		Ex. NW q.			
Brussels	29.31	45	WSW	7	c	29.57	+0.06	45	+8	SW	5	o	*	0.12	50	36		Ex. NW q.			
Berlin	29.57	37	S	4	o	29.45	+0.12	44	+13	SW	4	bc	*	0.12	46	31		Ex. NW q.			
Frankfurt	29.38	45	SW	5	b	29.66	+0.09	47	+15	SW	4	o	*	0.12	47	32		Ex. NW q.			
Munich	29.52	42	W	3	o	29.80	+0.04	49	+25	W	5	c	*	Trace	48	24		Ex. NW q.			
C. Gris Nez	29.20	47	WSW	7	c	29.50	+0.05	46	+6	SW	6	c	5	0.16	50	40		Ex. NW q.			
La Hève	29.42	46	WSW	7	o	29.59		45	+4	SW	5	o	6		50	41		Ex. NW q.			
Brest (St. Mathieu)	29.52	51	WSW	5	m	29.62	+0.01	48	-3	SW	5	o	5		54	45		Ex. NW q.			
Lorient (Rec Melen)	29.52	52	W	5	o	29.63		50	-2	WSW	3	o	4	0.04	54	45		Ex. NW q.			
Rochefort (Ile d'Als)	29.74	53	WSW	5	o	29.78	-0.01	52	+4	SSW	5	r	*	0.16	55	46		Ex. NW q.			
Biarritz	29.90	57	SW	2	o	29.86	-0.03	57	+3	SSE	1	o	4	0.04	59	52		Ex. NW q.			
Paris	29.45	51	W	5	o	29.69	+0.03	49	+11	SSW	3	o	*	0.12	52	37		Ex. NW q.			
Belfort	29.56	45	WSW	8	o	29.87		46	+18	WSW	6	r	*	0.12	46	28		Ex. NW q.			
Lyons	29.78	47	SSE	5	o	29.94		48	+18	S	2	o	*		51	30		Ex. NW q.			
Nice	29.86	47	E	2	b	29.98	+0.08	49	+3	-	0	b	2		57	45		Ex. NW q.			
Perpignan	29.92	54	NW	1	o	29.95	+0.01	50	+5	W	1	o	*		62						

* Information for these columns not usually received.

† Received too late for insertion in Charts.

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 19TH MARCH.



GENERAL INFERENCE

WEATHER PROSPECTS.

Another disturbance is indicated to the westward of Ireland, and it is probable that

the unsettled South-Easterly type of conditions will be maintained during the ensuing 24 hours.

FORECASTS FOR THE 24 HOURS NOON THURSDAY

TO NOON FRIDAY.

0
1
2
3
4
5

Kind between South and
West, generally fresh or strong,
a gale at times in places;
squally, changeable, some rain
fair or fine intervals;
temperature moderate to mild.

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

SOUTH CONE HOISTED.
Districts Ob-3 at 7.50am yday
SOUTH CONE "KEPT UP"
Districts ca 5-11 at 7.15pm yday

6
7
8
9
10

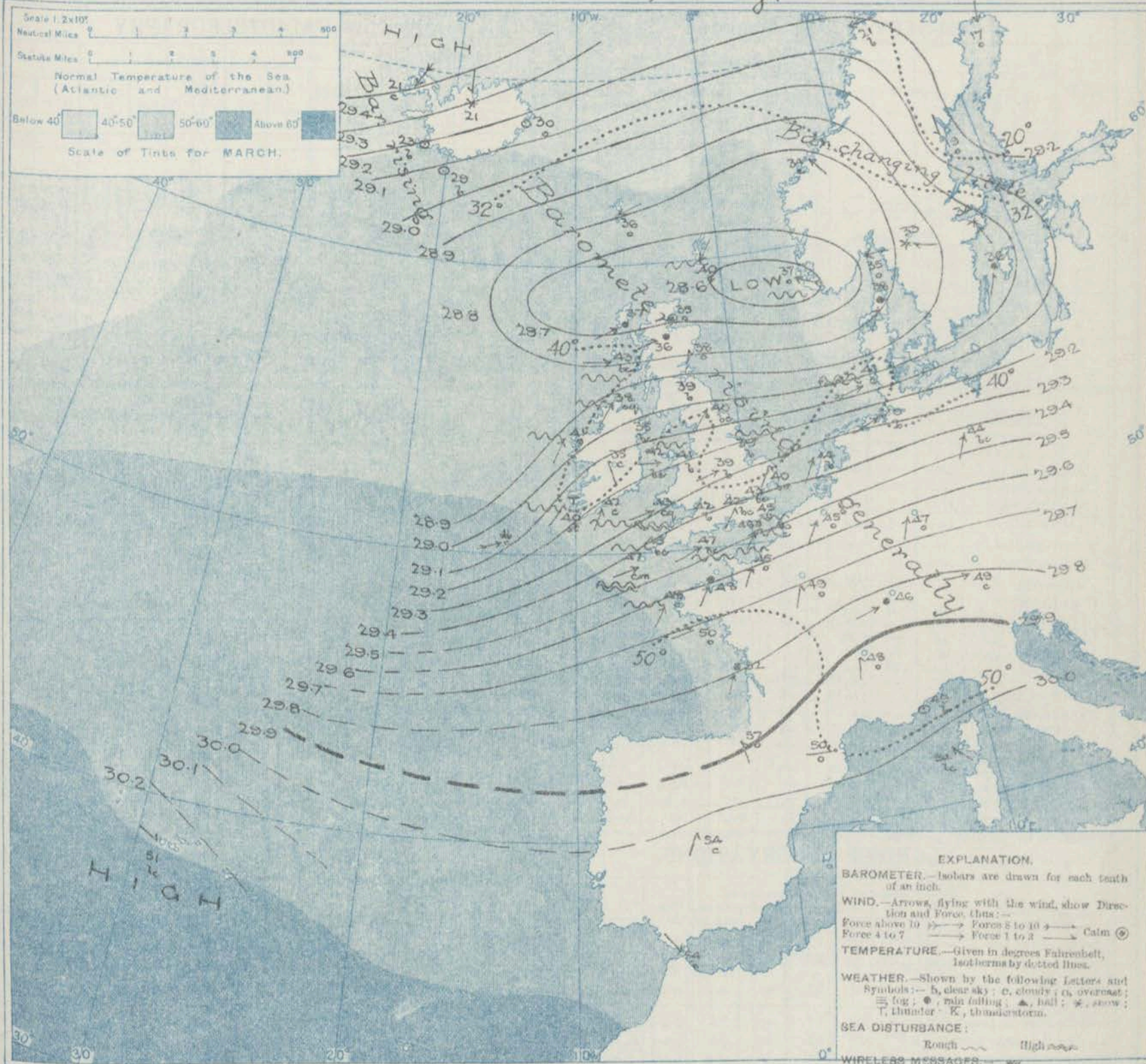
Same as Nos. 0 to 5.

11 WESTERN CHANNEL AND BAY.

South-Easterly and Westerly winds, generally fresh or strong a gale at times; rough sea; squally changeable, some rain and mist mild.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. Thursday, 20th MARCH 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The highest pressure, above 30.2 in, still lies over the Azores. It is also relatively high between Greenland and Spitzbergen. In a deep depression centred between Shetland and Southern Norway the barometer is at 28.2 in, and in another beyond Ireland it is below 29 in. The gradient is considerable to steep.

South Easterly to North Easterly winds prevail between Scandinavia and Iceland, Southerly to Westerly over the rest of our area. Generally the force is fresh to strong or high, a gale at Skudesnaes and in the north-west of Iceland, a strong gale on

the Danish coast, and beyond Kerry. Over the British Isles, temperature ranges from 35° at Birt Castle, Donaghadee and Wick to 43° at Jersey; on the Continent from 40° at Cuxhaven to 57° at Biarritz; in Scandinavia from 17° at Haparanda to 37° at Skudesnaes; and in Iceland from 21° to 30°. The weather is in a very variable state, from cloudless to overcast and dull, with rain at various home and foreign stations, snow locally in Sweden and in Iceland. Thunder is reported at Valencia. A high sea is running on the Bristol Channel and the Danish coasts, rough or rather rough in many other localities.

DAILY WEATHER REPORT.

Thursday, 20th March, 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
20th, 7 a.m.	50	13	Journa	O	29.01	-0.6	WSW	8-9	c	19th, 1 p.m.	50	15	Franconia	H	29.23	+0.1	NW	8-9	b
19th, 6 p.m.	50	12	Franconia	H	29.23	-0.1	WNW	1-3	b	- 7 a.m.	50	18		H	29.25	-0.3	WNW	8-9	c

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.					
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.						
Scotland.	Oban	0.72	44	31	ots	cp	1.5	England, S.E.	Margate	0.14	52	35	qp. bc	bc.	2.7					
	Stonehaven						3.7		Ramsgate	0.17	52	30	*	*	2.7					
	St. Andrews	0.29	46	34	Stormy.				Deal	0.18	52	38	qr. c	op. bc.	2.9					
	Carnoustie								Folkestone	0.13	51	35	ot	bc.	2.8					
Eng. N.E.	Harrogate	0.38	44	32	c. bc. q.	op. q.	3.0	England, S.W.	Littlestone	*	*	*	*	*	3.3					
	Scarborough	"	47	34	gc	o. c.	5.8		Hastings	0.15	52	40	op. bc.	bc. b.	4.5					
England, N.W.	Blackpool	0.43	46	35	r. bc. q.	cg.	5.4		Bexhill-on-Sea	0.13	52	40	r. bc.	bc. bc.	4.8					
	Southport	0.29	47	38	o. bc. q.	cg. bc.	4.7		Eastbourne	0.18	51	41	og. r.	bc. q.	4.1					
	Buxton	0.37	42	35	bc.	bc.	3.1		Seaford	0.12	49	39	ot. bc.	r. b.	5.0					
	Matlock								Brighton	0.13	51	37	ot. op. c.	c. bc. b.	4.1					
Wales.	Douglas								Worthing	0.14	52	40	Squally and Rough.		3.6					
	Rhyl	0.16	46	30	fine	stormy	5.5		Littlehampton	*	*	*	*	*	3.5					
	Colwyn Bay	0.39	48	38	bc	bc.	7.5		Bognor	0.20	52	36	c. bc. r.	bc. c.	4.8					
	Llandudno	0.27	49	37	bc	b	5.5		Southsea						5.7					
England, E.	Bettws-y-Coed	"	48	39	c. bc.	bc.	3.7	England, S.W.	Bournemouth	0.27	53	35	do. c.	c. o.	5.0					
	Aberystwyth	0.15	46	38	r. c. b.	-	4.5		Weymouth	0.14	52	40	ot. cp.	bc. bc.	5.7					
	Lowestoft	0.13	49	35	og. r. c.	c. bc.	4.0		Teignmouth	0.28	53	43	bc. q.	bc. q.	6.5					
	Felixstowe	0.13	51	35	ch. q.	bc. q.	4.2		Torquay	0.33	52	44	Bright	Br. q.	6.2					
England, S.W.	Walton-on-Naze	0.15	51	41	ot. bc.	bc. b.	3.7	England, S.W.	Paignton	0.33	53	31	bc. q.	p. bc.	3.2					
	Southend-on-Sea	0.16	52	34	r	bc. bc. bc.	3.3		Ilfracombe	0.17	49	32	c. bc.	bc.	5.0					
STATIONS.		Humidity.	TEMPERATURE.		Rain-fall.	WEATHER.		Sun-shine for Yesterday.	STATIONS.		Rain-fall.	TEMPERATURE.		WEATHER.		Sun-shine for Yesterday.				
			In Screen.	Min. on Grass.		Fore-noon.	After-noon.					In Screen.	Night Min. on Grass.	Night.	Fore-noon.					
Greenwich (Royal Observatory) ...		52	69	52	41	34	0.12	op. hp.	bc. b.	4.8	Dublin to 4 p.m.		0.15	48	39	38	qr. q.	qb. b.	5.6	
City (Banhill Row) ...		"	"	"	"	"	"	"	Plymouth to 9 p.m.		0.32	53	44	41	bc. q.	bc. q.	2.6			
Westminster (St. James's Park) ...		59	80	53	42	35	0.04	bc. p.	bc.	4.8	Darwen		0.46	42	35	32	ot.	bc. o.	4.1	
Camden Sq. (Brit. Rainfall) ...		50	67	53	40	35	0.09	og. q.	b	4.9	Manchester		0.23	46	38	"	c. ot.	ot. c.	5.0	
Hampstead (Reservoir) ...		"	72	50	39	42	0.07	r. bc.	c. bc.	5.3	Birmingham		0.27	47	35	31	c	cp. q.	cp. q.	5.0
Kew. (See front page.)		"	"	"	"	"	"	"	Oxford to 8 p.m.		"	51	37	34	cm. ot. q.	og. bc. q.	bc. q.			
S. Kensington (Roof of M.O.)		55	67	80.7	Joules.	18.6	Milliwatts.	52	S. Kensington (Museum Grounds to 6 p.m.)		0.10	52	37	28	bc. ot. q.	og. bc.	bc. c.			

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

20th & 21st Mar. 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 5.58 5.56	G.M.T. 12.1 12.0	G.M.T. 6.3 6.4
Greenwich	6.5 6.3	12.8 12.7	6.10 6.11
Wick	6.18 6.16	12.20 12.19	6.21 6.23
Valencia	6.46 6.44	12.49 12.48	6.51 6.52

NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature exceeded 50° in many parts of the Kingdom, and touched 54° at Jersey. Rain, hail or sleet fell generally, about ½ in. at Stornoway and Wick. Bright sunshine ranged up to 7½ hours at Colwyn Bay, and 8 hours at Liverpool. A gale to a strong gale was felt on nearly all coasts, and at Southport gusts at the rate of 77 miles an hour were registered. As far west as the 20th meridian, ships experienced Westerly gales and cloudy weather.

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.

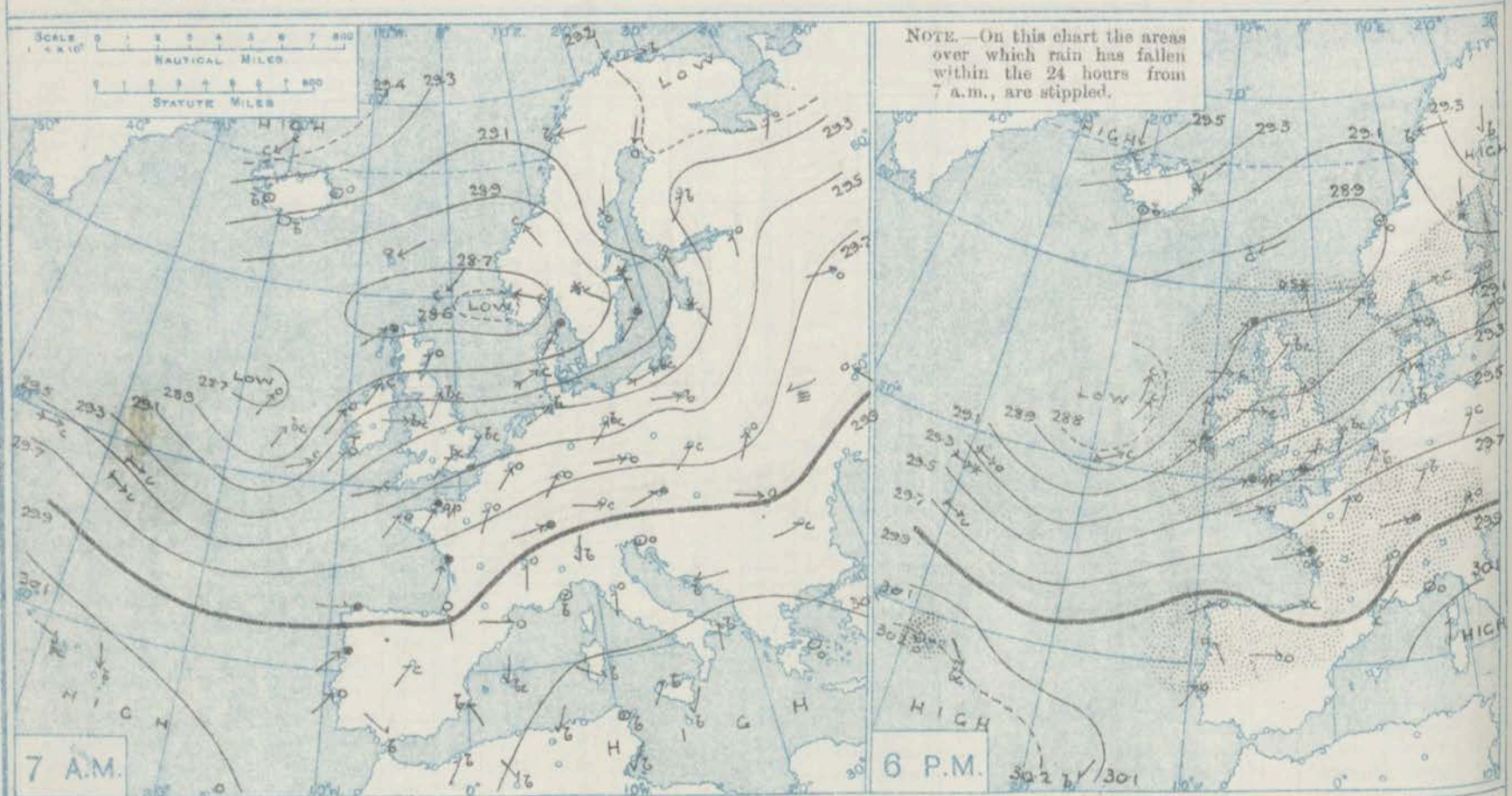
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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Friday
21st March 1913.

STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun- shine for Yester- day.
		BAROM.		TEMP.	WIND.		BAROMETER.		TEMP.		WIND.		Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.							
		At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Dir.	Force (0 to 12).	Weather.	At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.	Dir.	Force (0 to 12).			Weather.	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night 6 p.m. to 7 a.m.				
		In.					In.	Ch.						In.							Hours			
Lerwick		28.51	36	33E	3	3	28.85	-0.3	39	-1	WSW	8	cg	6	0.51	42	34	bc	cs	o.cpg				
Stornoway		28.90	40	3W	1	cp	28.97	+0.1	40	+3	SSW	5	o	4	0.20	45	35	o.cpg	bep	bc.cpg	3.6			
Castlebay (Barra Isd.)		28.91	39	WSW	3	o	28.93	+0.1	43	0	S	5	r	6	0.25	43	36	berst	rshpo	2p.c	0.6			
Malin Head		28.93	41	W	4	c	28.94	+0.1	39	+1	SW	5	cpq	4	0.03	44	37	bcg	eq	chq				
Blacksod Point		28.91	42	S	7	m	28.88	-0.1	41	0	WSW	5	o	3	0.27	44	37	omg	ompg	ompg				
Valencia		29.08	45	SSW	6	chq	29.05	+0.1	43	+3	S	5	op	6	0.27	46	36	c.oth	chq	cg.ho	2.8			
Roche's Point		29.20	43	WSW	4	c	29.16	-	45	+3	SW	5	c	5	0.15	45	36	cpq	cpq	cpq				
Birr Castle		29.09	40	SW	3	c	29.07	-	39	+4	S	4	c	4	0.11	45	34	c	eps	c	4.2			
Donaghadee		29.08	40	SW	3	bep	29.10	+0.1	40	+5	SSW	2	c	2	0.02	46	35	bc	bapp	bc				
Liverpool Obsy.		29.21	40	SW	5	bc	29.29	+0.1	36	-5	SSW	3	b	4	0.04	48	35	b.p.	bc	bep	3.1			
Holyhead		29.15	43	W	5	c	29.21	+0.1	43	+1	SW	6	c	5	0.16	44	39	eq	bc	chq	2.5			
Pembroke (St. Ann's Hd.)		29.27	44	SW	7	c	29.26	0.0	43	0	SW	7	cpq	7	0.15	46	40	c.ing	cpq	cpq	2.4			
Newquay		29.39	42	SSW	5	b	29.39	+0.1	42	-3	SSW	6	bep	6	0.25	50	38	ep.bep	bep	bep	5.5			
Scilly (St. Mary's)		29.38	43	WSW	5	empq	29.34	-0.2	45	-2	SW	6	cpq	7	0.15	50	40	cpm	cpm	cpq	4.4			
Jersey (St. Aubin)		29.55	50	WSW	4	eq	29.61	-	47	-1	SSW	5	c	5	0.03	54	45	c.og	od.c.og	cp.c	3.5			
Portland Bill		29.43	48	SW	6	bep	29.45	-0.1	47	0	SSW	7	cpq	6	0.19	49	41	bep	bep	bep				
Dungeness		29.47	48	SW	4	c	29.55	+0.3	47	+1	SW	5	c	5	0.01	53	44	c	c	cpq				
Dover		29.50	46	SW	6	b	29.70	-	47	+2	SSW	5	b	5	0.01	50	44	bc.b.	b.b.c.	b.	8.1			
Wick		28.90	40	W	3	c	29.04	+0.6	36	+1	WSW	3	bc	4	0.04	45	34	ompg	c	c.b.				
Nairn		28.94	39	SSW	2	bc	29.02	-	37	+1	-	0	bc	1	0.02	44	30	cg	bc	bc	6.3			
Aberdeen		28.94	43	SW	3	bc	29.12	+0.4	39	+1	SSW	5	c	2	-	46	36	o.cq	cg.bc	bc.c	2.2			
Leith		29.01	39	SSW	4	c	29.17	+0.3	42	+3	S	3	bc	4	0.08	48	38	c.b.	cpq	cp				
North Shields		29.12	41	SSW	4	o	29.25	+0.2	37	-3	S	3	c	2	0.03	43	34	c	o	r	4.7			
Spurn Head		29.22	43	W	6	c	29.38	+0.5	38	-1	WSW	4	b	4	0.01	49	36	cg	cpq	bep	6.0			
Yarmouth		29.36	50	SSW	4	bc	29.52	+0.4	40	0	SW	2	bc	2	0.04	55	39	bc	bc	b.bep	8.6			
Clacton-on-Sea		29.42	48	SW	5	bc	29.56	+0.5	42	-1	SW	4	r	3	0.09	51	42	bc	bc	chq	9.2			
Nottingham		29.50	43	SW	5	bc	29.40	-	38	-1	SW	4	bc	4	0.07	49	36	bc	cp.bc	bc.c	4.1			
Bath		29.47	47	SW	6	b	29.47	-	42	0	SSW	1	o	4	0.08	54	40	-	-	-	4.7			
London (Kew Obsy.)		29.43	47	SW	5	b	29.54	+0.3	40	-2	SSW	3	o	4	0.21	53	40	b.cq	eq.r.b.	b.bep	6.6			
Isafjord		29.50	22	N	5	c	29.76	+0.6	16	-8	N	9	o	4	-	-	-	-	-	-				
Reykjavik		29.13	32	N	6	b	29.46	+0.4	21	-2	-	0	b	4	-	-	-	-	-	-				
Vestmanna		29.15	37	-	0	b	29.38	+0.4	24	-5	-	0	b	3	-	-	-	-	-	-				
Seydisfjord		29.28	34	NE	3	S	29.47	+0.6	28	-4	NE	2	o	4	-	-	-	-	-	-				
Thorshavn		28.89	38	ESE	5	c	29.03	+0.6	35	-1	NE	2	o	4	-	-	-	-	-	-				
Haparanda		29.36	10	N	2	b	29.43	+0.4	5	-12	N	2	b	4	-	-	-	-	-	-				
Hernösand		29.18	24	N	4	S	29.35	+0.6	22	+3	N	4	o	4	0.20	27	18	-	-	-				
Stockholm		29.00	36	SW	2	o	29.30	+0.4	36	+2	WSW	2	o	4	0.24	37	34	-	-	-				
Wisby		29.23	44	WSW	6	o	29.38	+0.1	40	+4	SW	4	bc	4	Trace	45	34	-	-	-				
Karlstad		29.02	35	WSW	4	c	29.17	+0.2	34	+1	S	2	r	4	0.16	37	33	-	-	-				
Færder (X'ania Fjord)		29.01	36	SSW	1	o	29.18	+0.2	37	+2	SW	6	m	4	0.04	37	34	-	-	-				
Bodö		29.26	22	E	4	b	29.29	+0.1	24	+3	E	4	b	2	-	23	21	-	-	-				
Christiansund		28.89	39	-	0	o	29.04	+0.4	37	+3	-	0	o	3	-	39	24	-	-	-				
Skudesnaes		28.98	37	SW	4	o	29.14	+0.4	40	+3	SSW	6	c	4	0.23	41	26	-	-	-				
The Scaw (Skagen)		29.13	40	WSW	3	o	29.27	+0.4	40	+2	WSW	3	c	4	0.12	43	37	-	-	-				
Blaavands Huk		29.36	40	SW	5	m	29.42	+0.5	41	0	WSW	4	m	3	0.08	44	39	-	-	-				
Cuxhaven		29.49	43	SW	4	b	29.56	+0.4	44	+4	WSW	5	o	4	-	48	41	-	-	-				
The Helder		29.45	45	SSW	6	b	29.59	+0.8	44	0	SSW	4	b	2	-	48	43	-	-	-				
Brussels		29.60	48	SSW	4	b	29.72	+0.6	47	+2	SW	4	bc	4	-	56	45	-	-	-				
Berlin		29.65	50	SW	1	c	29.71	+0.3	45	+1	S	2	o	4	-	56	39	-	-	-				
Frankfurt		29.76	47	SW	2	o	29.84	+0.3	43	+1	SW	1	o	4	0.24	54	46	-	-	-				
Munich		29.86	50	SW	4	o	29.96	+0.1	46	-3	SW	2	r	4	0.04	55	43	-	-	-				
C. Gris Nez		29.51	47	SSW	5	c	29.62	+0.4	45	-1	SSW	6	c	5	0.04	50	45	-	-	-				
La Hève		29.58	45	SW	5	o	29.63	-	43	-2	SW	5	o	5	-	50	39	-	-	-				
Brest (St. Mathieu)		29.59	49	WSW	6	o	29.58	-0.1	47	-1	SSW	5	c	5	-	52	45	-	-	-				
Lorient (Bec Melen)		-	50	SW	4	bc	29.61	-	50	0	SW	5	c	5	0.12	54	43	-	-	-				
Rochefort (Ile d'Aix)		29.80	51	WSW	4	r	29.84	+0.2	50	-2	SSW	4	c	6	0.63	54	50	-	-	-				
Biarritz		29.85	63	WSW	4	c	29.91	+0.2	51	-6	E	3	c	6	-	68	48	-	-	-				
Paris		29.71	51	SSW	3	o	29.80	+0.3	47	-2	S	4	o	4	0.04	55	46	-	-	-				
Belfort		29.83	54	WSW	4	r	29.98	-	46	0	W	3	o	4	0.03	57	46	-	-	-				
Lyons		29.89	56	S	3	o	29.97	-	52	+4	WSW	1	o	4	0.08	58	48	-	-	-				
Nice		30.07	52	-	0	o	30.11	+0.2	52	+3	-													

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 20TH MARCH.



GENERAL INFERENCE

WEATHER PROSPECTS.

FORECASTS FOR THE 24 HOURS NOON FRIDAY TO NOON SATURDAY.

0 {
a
b

1

2 {
a
b

3

4 {
a
b

5

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

SOUTH CONE. rehoisted in Districts 5 to 10, at 70 p.m. yesterday.

6 {
a
b

7 {
a
b

8 {
a
b

9 {
a
b

10 {
a
b

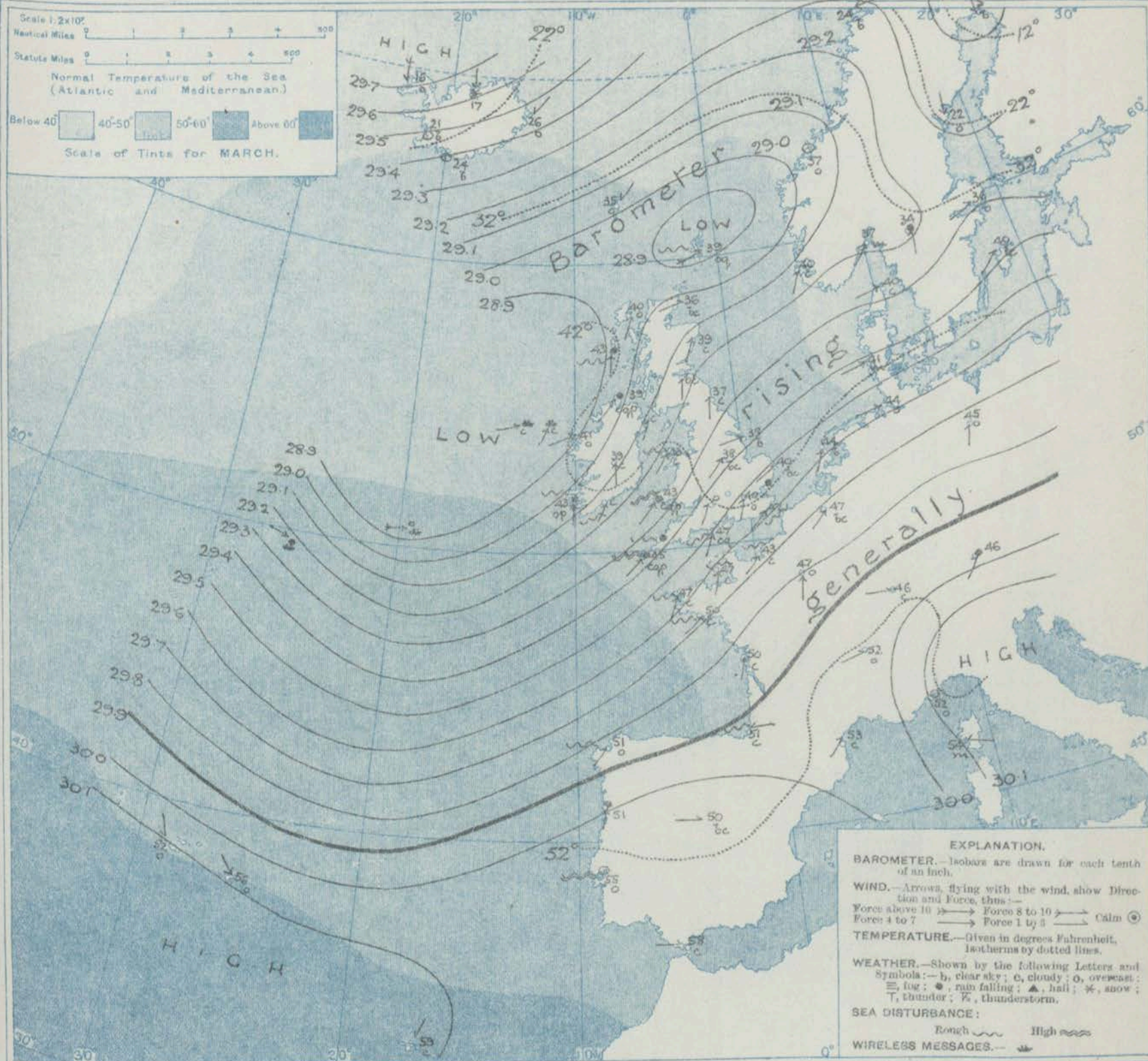
11 WESTERN CHANNEL AND BAY.

THE FURTHER OUTLOOK.

None Issued

None Issued

SYNOPTIC CHART FOR 7 A.M. FRIDAY, 21ST MARCH 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Barometric pressure is high over the whole of Southern Europe and the Mediterranean, as well as in the Azores region. A second area of relatively high readings is now appearing to the northward of Iceland. A complex area of low pressure lies immediately to the westward and northward of the United Kingdom.

S^W and S.W. winds prevail over Western Europe generally, and blow very strongly on our own western and southern coasts, and with the force of a gale in Shetland. In Iceland the wind is Northerly. Temperature has changed rather irregularly. Over the United Kingdom the morning readings range from

45° and upwards on the south coast of England to a little below 40° at most of the northern and central stations. Sharp frost prevails in northern Scandinavia and in Iceland. The weather is fine in the eastern and central parts of Great Britain, but cloudy and unsettled elsewhere, with showers in many places on our west coasts. The sea is high or rough on all our western, southern, and extreme northern coasts.

DAILY WEATHER REPORT.

Friday, 21st March, 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
20th, 6 p.m.	48	29	Victorian	H	29.46	-0.5	WNW	8-9	S	20th, 7 a.m.	49	33	Columbia	O	29.57	+1.8	W	10-11	C
" "	46	28	Finland	O	29.62	+0.1	WNW	8-9	C	" "	48	26	Montezuma	O	29.37	+0.4	WNW	10-11	C
" "	48	27	Montezuma	O	29.36	+0.1	WNW	10-11	O	" "	47	28	Finland	O	29.61	+0.4	WNW	8-9	C
" "	54	16	Scandinavian	H	28.75	-0.1	SSW	6-7	C	" "	53	21	Scandinavian	H	28.66	-0.6	SW	6-7	O
" "	50	16	Ivernia	O	28.81	-0.2	WSW	10-11	C	" "	52	18	Montezuma	H	28.93	-0.4	SW	6-7	C
" "	53	15	Montezuma	H	28.73	+0.2	SW	6-7	C										

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.	
Scotland.		In.					Hr.
Oban		0.23	43	37	dp.c.	bc.	2.9
Stonehaven		"	46	37	b	b	7.5
St. Andrews		"	46	37	b	b	7.5
Carnoustie		"	46	37	b	b	7.5
England, N.E.							
Harrogate		0.17	45	36	bc.c.	c.op	2.6
Scarborough		"	48	38	bc.	o	4.0
England, N.W.							
Blackpool		0.14	46	38	phr.c.	cq.	1.6
Southport		0.11	45	38	b.o.c.	cshg.c.	2.7
Buxton		"	"	"	"	"	"
Matlock		"	"	"	"	"	"
Douglas		"	"	"	"	"	"
Wales.							
Rhyl		0.07	47	38	Drizzling	"	2.5
Colwyn Bay		0.10	47	39	o	g.bc.	2.2
Llandudno		0.32	47	37	op.	b.	1.8
Bettws-y-Coed		"	46	32	c.bc.	c.	1.2
Aberystwyth		0.15	46	39	ot.c.	c.sh	2.0
England, S.E.							
Margate		"	53	40	b.bc.	b.	7.5
Ramsgate		"	52	38	"	"	8.0
Deal		"	53	42	c.bc.	b.g.	7.1
Folkestone		0.02	50	40	bc.	b.bc.	7.5
Littlestone		"	"	"	"	"	5.9
Hastings		0.03	52	43	op.bc.b	b	8.0
Bexhill-on-Sea		0.02	51	43	bc.	bc.	7.5
Eastbourne		0.14	53	43	bcq.	og.bc.	6.6
Seaford		"	50	42	b.	b.	7.5
Brighton		"	50	45	c.bc.b.	bc.c.	7.8
Worthing		"	52	45	bc.	Drizzle	8.0
Littlehampton		"	"	"	"	"	5.4
Bognor		"	"	"	"	"	"
Southsea		0.07	53	45	c.bc.	7.bc.c.	6.4
Bournemouth		0.08	53	44	ct.c.	c.o.	5.1
Weymouth		0.10	53	45	bcq.	pb.o.	4.1
Teignmouth		0.11	53	43	bcq.	bcq.	5.8
Torquay		0.07	51	44	b.	b.p.	5.8
Paignton		0.11	52	43	bcq.	bcq.	5.3
Ilfracombe		0.13	50	42	c.bc.	bcq.c.	2.5
Weston-super-Mare		0.11	52	38	b.bc.	bc.	4.5

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		TEMPERATURE.		Rainfall.	WEATHER.			Sunshine for Yesterday.
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.	Min. on Grass.		Forenoon.	Afternoon.	Night.	
Greenwich (Royal Obs.)	85	81	56	39	0.33	c.ot	ot.bc	ot.o.	6.9
City (Bunhill Row)	"	"	"	"	"	"	"	"	5.1
Westminster (St. James's Pk.)	100	91	54	40	0.22	"	"	bc.	5.8
Camden Sq. (Brit. Rainfall)	79	80	55	39	0.19	bc.b.	bcq.	bc.o.	5.9
Hampstead (Reservoir)	"	86	52	38	0.06	c.ot	ot.c.	c.	5.0
Kew. (See front page.)	"	"	"	"	"	"	"	"	"
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.									
Total.			Average Rate.		Max. Rate.				
S. Kensington (Roof of M.O.)	80	82	956	Joules.	2.2	Milliwatts.	55	Milliwatts.	6.1

Additional Observations for Yesterday.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.			Sunshine for Yesterday.
		In Screen.	Night Min. on Grass.	Night.	Forenoon.	Afternoon.	
Dublin to 4 p.m.	0.01	47	37	34	bc	c.b.	bcq.b
Plymouth to 9 p.m.	0.10	51	41	38	c.bq.	bcq.	bcq.o
Darwen	0.61	44	36	30	suprsh	b.b.c.	c.u.
Manchester	0.07	49	37	"	c.o.	bc	bcq.b
Birmingham	0.12	45	36	29	c	ct	c.
Oxford to 8 p.m.	"	53	39	34	bcq.b.	bcq.	bcq.bq
S. Kensington (Museum Grounds to 8 p.m.)	0.08	54	42	33	bc.b.	c.opbc	bcq.b

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

21st & 22nd March 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 5.56 S.M.T. 5.54	G.M.T. 12.0 S.M.T. 12.0	G.M.T. 6.4 S.M.T. 6.6
Greenwich	6.3 6.1	12.7 12.7	6.11 6.13
Wick	6.16 6.13	12.19 12.19	6.23 6.25
Valencia	6.44 6.42	12.48 12.48	6.52 6.54

NOTES ON YESTERDAY'S WEATHER.

During yesterday the thermometer rose to 50° and upwards in the south and east of England, and touched 55° at Yarmouth and Lowestoft. More than 8 hours of bright sunshine were recorded on several parts of our east and south-east coasts and more than 9 hours at Brighton-on-Sea. Showers of rain hail or sleet were experienced in most districts, and a thunderstorm at night at Portland Bill. Wireless reports show that as far west as the 33rd meridian ships experienced strong to whole gales from the west and north-west, with cloudy weather, and rain or snow in places.

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.

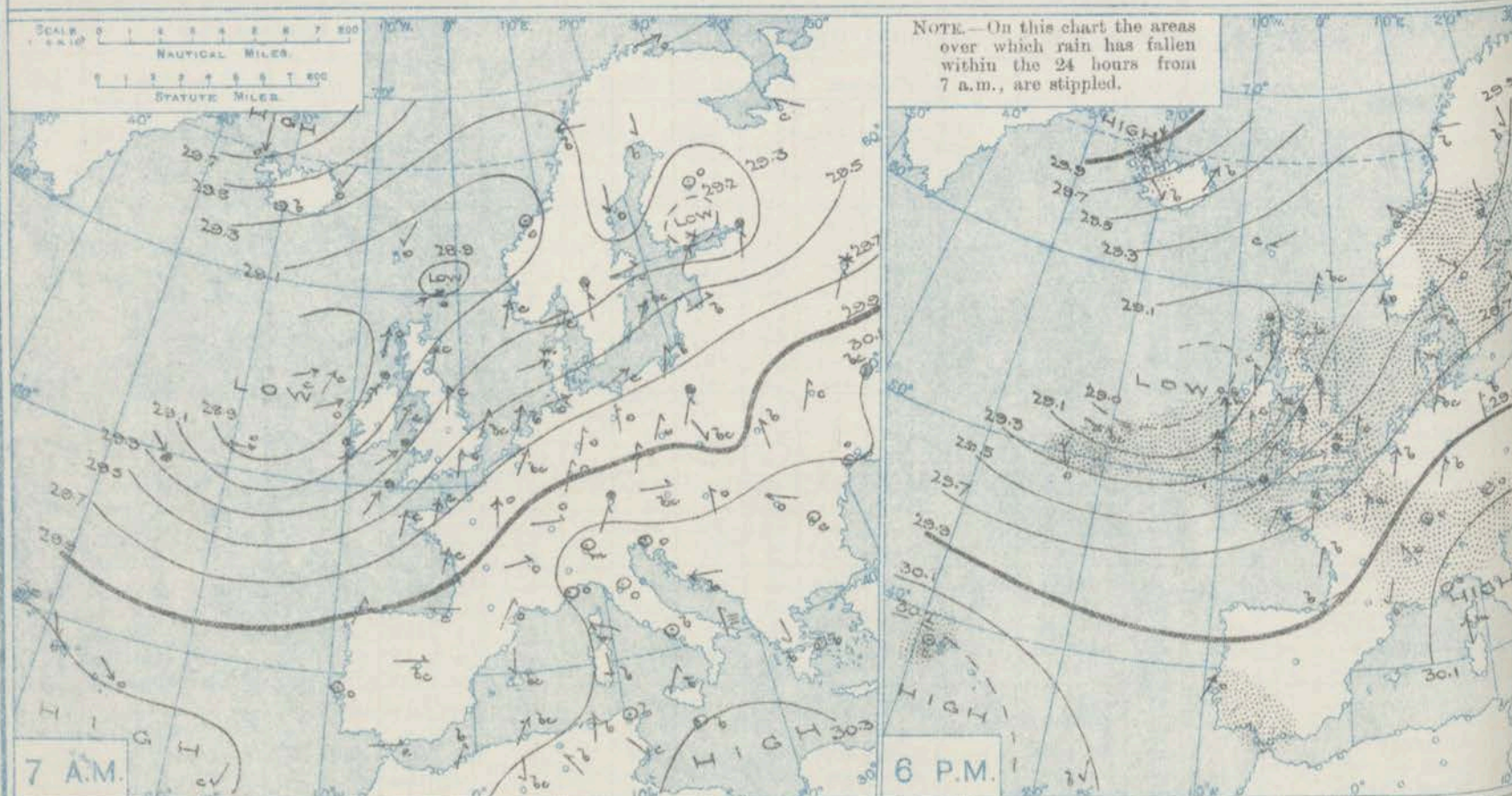
1913.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Saturday
22nd March, 1913.

STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.		
		BAROM.		TEMP.		WIND.	Force (0 to 12).	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.				
		At 32° Fahr. and M.S.L. Lat. 46°.	Dry Bulb.	Direc.	Force (0 to 12).				At 82° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						Direc.	Force (0 to 12).	Weather.	Max.		Min.	Morn'g. 7 a.m. to 1 p.m.
Spitzbergen ...		29.58	-13	-	0	b		29.53	-00	-21	-	0	b					7	-29					
Lerwick ...		In.						In.																Hours
Stornoway ...		29.17	43	SSW	2	bc		29.24	+02	42	+3	SSW	3	bc	2	-	46	38	bc	bc	bc			*
Castletown (Barra Isd.) ...		29.09	43	S	5	c		29.26	+03	42	+2	S	3	r	3	0.25	45	39	opg	opg	opg			0.7
Malin Head ...		29.06	46	SSW	4	c		29.21	+03	44	+1	S	4	o	3	0.03	46	36	re-op	op.c	cb.c			0.2
Blackod Point ...		29.08	45	S	2	c		29.16	00	40	+1	S	4	bom	2	-	49	38	om	em	bom			*
Valencia ...		29.10	45	S	6	m		29.13	+03	43	+2	SSW	3	o	3	0.56	48	38	omph	omph	omp			*
Roche's Point ...		29.13	43	S	4	o		29.26	+02	42	-1	S	2	bc	4	0.37	50	41	c.b.h	c.b.h	c.b.p			2.2
Birr Castle ...		29.22	44	SW	5	c		29.33		45	0	SSW	4	c	5	0.31	46	40	opg	opg	opg			*
Donaghadee ...		29.15	43	S	2	c		29.25		41	+2	S	3	c	*	0.02	48	39	c	cp	cp			3.4
Liverpool Obsy. ...		29.18	44	S	3	bc		29.32	+05	40	0	S	2	bc	2	-	49	39	bc	bc	bc			*
Holyhead ...		29.34	41	SSW	3	r		29.48	+05	39	+3	SSE	2	c	3	0.06	48	36	bop	bop	bop			4.6
Pembroke (St. Ann's Hd.) ...		29.26	43	SW	5	bc		29.40	+01	42	-1	S	5	c	4	0.21	45	40	bop	bop	bop			?
Newquay ...		29.31	43	SW	6	c		29.43	-01	45	+2	SSW	4	opg	6	0.15	47	40	opg	opg	opg			5.9
Scilly (St. Mary's) ...		29.43	44	SSW	5	b		29.44	-06	43	+1	SE	1	o	5	0.08	49	40	bop	bop	bop			2.1
Jersey (St. Aubin) ...		29.32	46	WSW	6	cgp		29.42	-04	46	+1	S	2	om	5	0.10	48	40	emph	opg	bop			2.3
Portland Bill ...		29.62	47	SSW	5	cgp		29.58		47	0	SE	4	cp	4	0.21	55	46	cgp	cgp	bop			5.4
Dungeness ...		29.49	47	WSW	7	bc		29.56	-01	46	-1	S	3	o	5	0.15	49	43	bc	cgp	opg			*
Dover ...		29.55	49	SSW	5	c		29.66	+01	47	0	SSW	4	c	4	0.12	52	46	c	cgp	opg			*
Wick ...		29.61	48	SW	5	o		29.71		46	-1	SW	3	bc	4	0.11	51	44	bc	bop	opg			5.5
Nairn ...		29.14	43	SW	3	bc		29.27	+03	40	+4	SSW	3	bc	4	0.01	45	36	bc	bom	bop			*
Aberdeen ...		29.16	42	SW	1	bc		29.29		38	+1	-	0	bc	0	-	50	29	bc	bc	zbc			2.9
Leith ...		29.23	43	SW	2	bc		29.33	+05	38	-1	SSW	2	b	1	0.01	47	36	c	opg	bop			0.7
North Shields ...		29.22	45	SSW	3	b		29.34	+06	41	-1	S	1	bc	*	0.01	49	38	bc	opg	b			*
Spurn Head ...		29.32	42	S	4	p		29.45	+02	39	+2	SSW	3	c	2	0.01	49	35	ct	c	r			4.6
Yarmouth ...		29.39	42	SSW	4	c		29.55	+05	40	+2	SSW	4	bc	4	0.11	51	36	bop	bop	opg			3.7
Clacton-on-Sea ...		29.82	50	SSW	3	o		29.67	+05	42	+2	SSW	2	bc	2	0.12	53	40	bc	bc	opg			2.7
Nottingham ...		29.54	46	SSW	5	c		29.66	+02	44	+2	SSE	3	bc	2	0.38	51	40	cgp	cgp	c.b.			4.0
Bath ...		29.42	43	SW	4	c		29.57		39	+1	SW	3	o	*	0.09	49	36	bop	cgp	opg			2.3
London (Kew Obsy.) ...		29.40	47	SW	4	bc		29.57		44	+2	S	1	o	*	0.19	51	41	-	-	-			2.7
Isafjord ...		29.53	45	WSW	5	opg		29.65	-00	45	+5	S	3	c	*	0.17	52	40	bc	cgp	opg			2.5
Reykjavik ...		29.91	44	N	9	S		29.89	-02	47	+1	N	7	o	*	*	*	*	GALES. Duration and Extreme Force on British Coasts.					
Vestmanna ...		29.57	27	N	3	b		29.70	00	9	-12	E	7	b	*	*	*	*						
Seydisfjord ...		29.50	32	NW	2	b		29.62	+01	26	+2	-	0	S	1	*	*	*						
Thorshavn ...		29.63	21	SW	6	b		29.76	+01	13	-13	NW	4	c	*	*	*	*						
Haparanda ...		29.23	39	RNE	3	c		29.37	+05	33	-2	NNE	3	c	*	*	*	*						
Hernösand ...		29.50	11	N	2	b		29.59	+03	-4	-9	N	2	b	*	-	21	-6	Lerwick. 7 a.m.-9 a.m. Extreme WSW 9. Scilly. 2 p.m. Squalls 8. Kew Obsy. 3.30 p.m. Squall WSW 18.					
Stockholm ...		29.47	26	N	2	f		29.51	+01	29	+7	NE	2	o	*	0.04	29	21						
Wisby ...		29.53	36	WSW	2	o		29.60	-03	36	0	S	2	o	*	0.04	43	34						
Karlstad ...		29.63	38	WSW	4	b		29.68	-04	39	-1	S	2	r	*	0.08	45	34						
Fræder (X'ania Fjord) ...		29.52	36	NW	2	b		29.49	-02	35	+1	SE	2	r	*	0.08	39	34						
Bodö ...		29.47	38	SW	5	bc		29.45	-04	37	0	NNW	1	f	3	0.12	39	36						
Christiansund ...		29.36	25	E	4	b		29.30	-04	25	+1	E	5	b	2	-	27	21						
Skudesnaes ...		29.18	38	ESE	2	o		29.30	+01	39	+2	WSW	2	r	3	0.12	39	32						
The Scaw (Skagen) ...		29.41	42	S	6	o		29.42	+02	40	0	S	4	o	4	-	?	32						
Blaavands Huk ...		29.59	39	WSW	2	b		29.45	-04	39	-1	SSW	3	r	1	0.24	45	37						
Cuxhaven ...		29.60	41	SSW	3	m		29.60	+05	41	0	WSW	4	m	3	0.04	43	39						
The Helder ...		29.73	44	SW	2	bc		29.75	+02	43	-1	SW	4	c	*	0.04	52	41						
Brussels ...		29.63	46	S	3	o		29.73	+03	45	+1	SSW	4	b	2	0.04	50	44						
Berlin ...		29.73	52	SSW	7	b		29.80	00	46	-1	SSW	2	b	*	-	51	42						
Frankfurt ...		29.84	52	S	2	b		29.91	+04	47	+2	S	2	b	*	-	61	43						
Munich ...		29.43	51	SW	1	b		29.45	00	46	-2	-	0	b	*	-	61	43						
C. Gris Nez ...		30.04	48	-	0	o		30.03	-01	44	-2	S	1	b	*	0.12	54	41						
La Hève ...		29.61	47	SSW	6	c		29.72	-01	46	+1	S	4	c	3	0.20	52	45						
Brest (St. Mathieu) ...		29.64	48	SW	5	o		29.68		47	+4	ESE	4	o	3	0.08	52	43						
Lorient (Bec Molen) ...		29.65	49	SW	6	c		29.40	-15	49	+2	SE	6	r	5	0.12	50	46						
Rochefort (Ile d'Aix) ...		29.64	50	SW	5	c		29.49		50	0	SE	3	c	5	0.04	54	46						
Biarritz ...		29.84	54	SSW	3	b		29.64	-09	51	+1	SSE	3	b	*	-	57	46						
Paris ...		29.87	59	RNE	1	b		29.74	-02	57	+6	SSW	2	b	6	-	66	50						
Belfort ...		29.81	50	SSW	2	b		29.78	-05	41	-6	SE	2	o	*	0.04	58	38						
Lyons ...		29.99	48	-	0	o		29.98		47	+1	ESE	2	c	*	0.32	54	46						
Nice ...		29.45	57	SSE	1	o		29.88																

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 21ST MARCH.



GENERAL INFERENCE

WEATHER PROSPECTS.

With a depression beyond Ireland, and a secondary approaching the Channel, the weather

is expected to continue in an unsettled state generally.

FORECASTS FOR THE 24 HOURS NOON Saturday TO NOON Sunday.

- 0 {
a Wind between South-West
b and South-East, light to moderate;
fair to dull, some rain; moderate
temperature.

- 2 {
a Southerly to Easterly winds,
b

- 3 freshening; dull, some
rain, fairer later; moderate

- 4 {
a temperature.
b

5

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Coast.	South Coast.
North Coast.	North Coast.

No Warnings Issued.

- 6 {
a Same as Nos. 0 and 1.
b

- 7 {
a Same as Nos. 2 to 5.
b

- 8 {
a
b

- 9 {
a Same as Nos. 0 and 1.
b

- 10 {
a Same as Nos. 2 to 5.
b

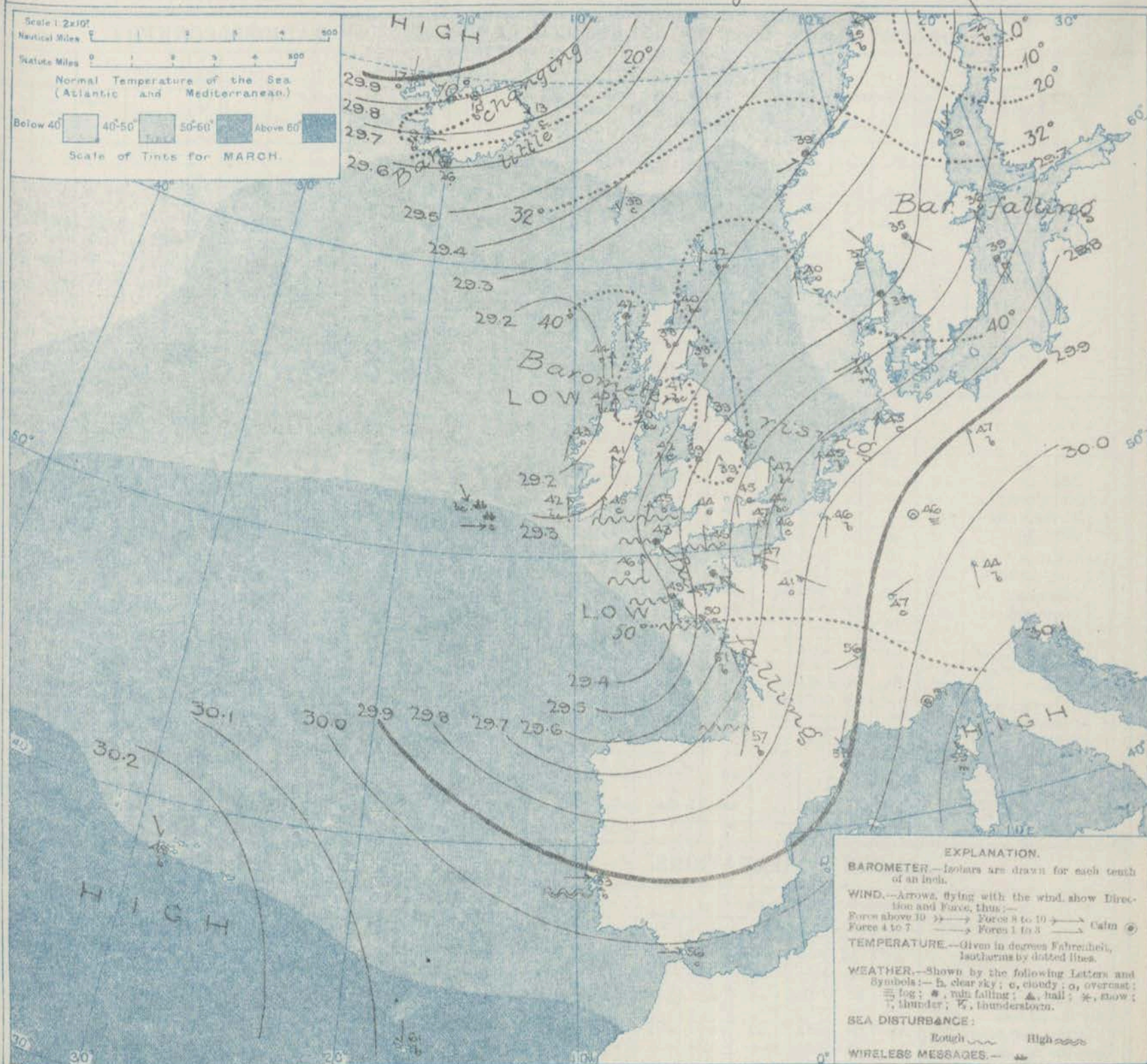
11 WESTERN CHANNEL AND BAY.

Increasing Southerly to Easterly winds; sea moderate to rough, squally, dull to rainy and misty, fairer later; moderate temperature.

THE FURTHER OUTLOOK. (All Districts.)

Conditions remaining unsettled.

SYNOPTIC CHART FOR 7 A.M. Saturday, 22nd MARCH 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The region of highest pressure, with the barometer at about 30.3 in., lies over the Azores. In a depression off the north-west of Ireland the barometer is at 29.1 in. The gradient is moderate generally.

South-easterly winds prevail across the North of France, but in nearly all other parts of our area the direction is southerly or south-westerly. As a rule the force is light to moderate, but a strong breeze is reported off Brest, a high wind in the north-west of Ireland. Over the British Isles temperature ranges from 38° at Aberdeen

and Nain, to 46° or 47° along the channel, on the Continent from 41° at Paris to 57° at Biarritz; in Scandinavia from 7° at Haparanda to 40° at Skudenes; and in Iceland from 9° to 26°. At Spitzbergen it is 21° below zero. The weather is in a very changeable state at home and abroad, fine in some places, raining in others, and snow is falling off the south of Iceland. The sea is rough to rather rough on our south-western coasts and the Bay.

DAILY WEATHER REPORT.

Saturday, 22nd March, 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
22nd, Jan.	51	15	Victorian	H	29.18	-0.04	NNW	4-5	bc.	21st, Jan.	49	25	Victorian	H	29.27	-0.06	NNW	6-7	r
"	51	14	Beltic	O	29.34	0.00	W	4-5	c	"	50	19	Ivernia	O	28.85	+0.03	W	8-9	o
21st, b.p.m.	49	22	Ivernia	O	29.20	+0.14	NNW	8-9	o	"	54	12	Bongolian	H	28.87	+0.25	WSW	6-7	c
"	50	20	Victorian	H	29.18	-0.02	NNW	6-7	bc.	"	54	11	Scandinavian	H	28.99	+0.11	SW	6-7	c
"	54	10	Bongolian	H	28.97	+0.02	SSW	6-7	c										

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.		In.					Hr.	England, S.E.		In.					Hr.
{ Oban ...		0.04	47	33	c.b.c.	pc.	0.7	{ Margate ...		0.04	55	42	b.	b.b.c.p.	6.8
{ Stonehaven ...								{ Ramsgate ...		0.07	51	35	*	*	7.9
{ St. Andrews ...			49	35	b	b	6.7	{ Deal ...		0.04	54	43	op.b.c.	q.c.p.o.	7.4
{ Carnoustie ...								{ Folkestone ...		0.02	50	40	b	ot.p.	6.2
England, N.E.								{ Littlestone ...							7.2
{ Harrogate ...			47	33	b.c.c.	c.o.	3.5	{ Hastings ...		0.08	52	44	op.b.c.	b.c.p.c.	5.8
{ Scarborough ...			48	35	c.b.	c.b.	4.9	{ Bexhill-on-Sea ...		0.07	53	45	c.b.c.	ob.r.o.	5.5
England, N.W.								{ Eastbourne ...		0.07	54	44	b.c.b.	b.c.p.	4.7
{ Blackpool ...		0.03	49	37	cp	cp	5.0	{ Seaford ...							
{ Southport ...		0.03	49	36	b.c.hg.	chg.b.c.	3.7	{ Brighton ...		0.18	51	45	c.b.c.	b.c.o.	5.9
{ Buxton ...								{ Worthing ...		0.06	53	44	b.c.c.	b.c.c.	4.5
{ Matlock ...								{ Littlehampton ...							
{ Douglas ...								{ Bognor ...							
Wales.								{ Southsea ...		0.36	53	44	b.c.h.	b.c.b.	3.3
{ Rhyl ...		0.05	48	38	fine	bracing	5.1	{ Bournemouth ...		0.36	51	41	c.o.	c.o.	2.0
{ Colwyn Bay ...		0.11	50	39	p.b.c.	b.c.p.c.	5.3	{ Weymouth ...		0.28	52	40	q.c.p.	cl.h.p.	2.4
{ Llandudno ...		0.12	49	38	b.c.	b	5.6	{ Teignmouth ...		0.38	50	39	q.c.	cl.h.p.	2.5
{ Bettws-y-Coed ...								{ Torquay ...		0.20	51	40	cp.b.c.	b.c.p.	
{ Aberystwyth ...		0.12	46	39	r.o.c.	c.b.r.	3.7	{ Paignton ...		0.20	50	40	b.c.b.	b.c.p.c.	0.3
England, E.								{ Ilfracombe ...		0.28	47	40	c.p.c.	c.p.c.	3.6
{ Lowestoft ...			53	39	b.c.c.	c.p.	3.0	{ Weston-super-Mare ...		0.03	50	38	b.b.c.	b.c.	
{ Felixstowe ...															
{ Walton-on-Naze ...		0.33	50	39	b.th.c.	b.c.b.	4.3								
{ Southend-on-Sea ...		0.22	52	40	p	p	4.4								

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain-fall.	WEATHER.			Sun-shine for Yesterday.	STATIONS.	RAIN-FALL.	TEMPERATURE.			WEATHER.			Sun-shine for Yesterday.			
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.		Min. on Grass.		Fore-noon.	After-noon.	Night.				In.	In Screen.		Night Min. on Grass.	Night.	Fore-noon.		After-noon.		
			Max.	Min.		Max.								Min.								
			24 HOURS ENDED 9 A.M. TO-DAY.																			
Greenwich (Royal Obsy.) ...	% 65	% 85	54	41	34	0.11	t.p.	cl	b.c.	b.r.	Hr. 2.8	Dublin to 4 p.m.	In. 0.01	48	40	36	cl.b.	cy	ph	bc.		
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	*	1.8	Plymouth to 9 p.m.										
Westminster (St. James's Pk.)	79	91	53	43	37	0.12	b.c.	c.r.	t.b.c.	1.9	Darwen											
Camden Sq. (Brit. Rainfall)	-	83	53	41	33	0.21	b.c.p	cl	c.o.o.	2.2	Manchester											
Hampstead (Reservoir) ...	*	45	50	40	?	0.24	c.o.	o.c.	o.o.	2.0	Birmingham	0.20	45	34	27	c	cl	c.b.c.				
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETER DURING YESTERDAY.										Oxford to 8 p.m.									
			Total.		Average Rate.		Max. Rate.															
S. Kensington (Roof of M.O.)	-	84	joules.		Milliwatts.		Milliwatts.		2.1 S. Kensington (Museum Grounds to 6 p.m.)													
									0.24 52 40 32 b.c.r.o. ac.p.o. o.o.													

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

	Sunrise.	Noon.	Sunset.
22nd & 23rd March, 1913.	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	5.54	12.0	6.6
Greenwich ...	5.52	12.0	6.8
Wick ...	6.1	12.7	6.13
Valencia ...	5.59	12.7	6.15
	6.13	12.19	6.25
	6.10	12.19	6.27
	6.42	12.48	6.54
	6.40	12.48	6.56

NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature passed 50° in many parts of this country, and touched 55° at Margate and Jersey. Rain fell generally, and thunderstorms occurred at stations in Southern England. Many places had more than 5 hours of bright sunshine, Ramsgate 8 hours. A strong gale was felt in Shetland, and at Kew Observatory a squall of 44 miles per hour was registered. As far west as the 22nd meridian ships experienced South-Westerly to North-Westerly winds, strong to a gale, with cloudy weather, rain at times.

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; i. 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.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Sunday
23rd March, 1913.

2nd March, 1913.																						
STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
		BAROM.		TEMP.		WIND.	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.			
		At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Force (0 to 12).	At 32° Fahr. and M.S.L. Lat. 46°.			Change since 4 a.m.	Dry Bulb.	Change since Yester- day.	Force (0 to 12).						Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'g. 1 p.m. to 6 p.m.	Night, 6 p.m. to 7 a.m.	
																				Hours		
Lerwick		In. 29.44	42	NE	2	r	In. 29.36	-0.07	41	-1	NNE	8	r	7	0.18	48	39	bc	bcp	bc		
Stornoway		29.36	44	NE	2	c	29.36	+0.02	42	0	NNE	6	o	6	0.05	47	41	c	cp	c.og	1.3	
Castlebay (Barra Isd.)		29.27	43	SE	2	o	29.31	+0.04	43	-1	NNE	4	o	3	0.08	45	40	op	op	op	1.2	
Malin Head		29.25	44	N	1	cmd	29.24	+0.01	42	+2	N	3	cg	2	0.03	?	40	bcg	edm	edm		
Blacksod Point		29.23	43	SSW	2	o	29.30	+0.02	42	-1	W	5	o	4	0.11	50	38	om	om	opm		
Valencia		29.24	47	NW	1	bc	29.42	+0.05	44	+2	NW	5	op	5	0.08	53	42	bcv	bcv	cpq	6.3	
Roche's Point		29.22	45	VNW	3	o	29.38		41	-4	W	3	c	3	0.02	48	40	o	o	o.b.p.c		
Birr Castle		29.21	45	SE	2	c	29.30		37	-4	SW	2	c			49	36	c	c	c	1.3	
Donaghadee		29.30	44	SE	3	o	29.20	+0.04	41	+1	NW	3	c	2		48	39	o	om	om		
Liverpool Obsy.		29.19	38	NE	3	r	29.21	+0.02	41	+2	W	6	o	5	0.61	45	36	og	or	og	0.0	
Holyhead		29.21	38	E	6	r	29.24	+0.03	42	0	VNW	5	o	4	0.76	42	37	ogm	ogr	ogr	0.0	
Pembroke (St. Ann's Hd.)		29.06	39	ENE	2	r	29.35	+0.04	44	-1	W	3	bc	2	0.89	46	39	og	ogr	ogr	0.0	
Newquay		29.04	43	SSW	1	o	29.40	+0.05	45	+2	W	4	bc	5	0.75	46	38	ogr	op	op	0.0	
Scilly (St. Mary's)		29.20	40	NW	7	cpq	29.43	+0.03	45	-1	VNW	4	cv	5	0.63	47	37	orm	cpq	gg	0.1	
Jersey (St. Aubin)		29.34	50	SSW	5	ogw	29.51		47	0	S	5	og	5	0.05	56	44	bc	cp	bc	5.6	
Portland Bill		29.13	48	S	8	c	29.40	+0.02	45	-1	SSW	5	c	5	0.07	49	44	bc	c	cpq		
Dungeness		29.84	49	SW	6	og	29.46	+0.03	47	0	SW	7	og	6	0.03	53	45	bc	cpq	cpq		
Dover		29.45	49	SW	5	o	29.49		46	0	SSW	7	o	6	Trace	54	44	bc	cp	cp	5.2	
Wick		29.38	43	S	1	bc	29.22	-0.05	41	+1	NE	5	r	5	0.08	46	39	bc	bc	om		
Nairn		29.35	47		0	bc	29.18		39	+1	ENE	4	r	3	0.24	53	35	b	bc	dg	6.7	
Aberdeen		29.42	43	SSE	1	b	29.03	-0.05	36	-2	NW	4	r	4	0.94	50	36	b	bc	bc	5.8	
Leith		29.38	46	S	1	c	29.03	+0.03	35	-6	NW	5	rsq		0.89	50	34	bc	bc	cpq		
North Shields		29.41	41	E	2	p	29.05	0.00	41	+2	SSW	3	r	4	0.61	48	37	c	o	r	2.1	
Spurn Head		29.28	44	SE	6	o	29.08	+0.05	40	0	VSW	7	og	6	0.24	46	38	c	o	ap	0.0	
Yarmouth		29.37	46	ESE	4	c	29.35	+0.06	44	+2	SSW	4	bc	4	0.04	48	40	bc	bc	bc	2.5	
Clacton-on-Sea		29.32	48	SE	5	bc	29.42	+0.05	44	0	SSW	4	bc	3	0.04	49	41	bc	bc	bc	2.7	
Nottingham		29.23	49	SSE	5	r	29.23		41	+2	SW	7	o		0.31	50	38	or	op	r. cp	0.0	
Bath		29.20	47	S	3	o	29.42		40	-4	VSW	1	b		0.54	54	40				0.2	
London (Kew Obsy.)		29.31	48	S	3	cd	29.42	+0.04	44	-1	SW	4	b		0.14	57	43	c	o	cd	2.6	
Isafjord		29.85	20		0	c	29.85	+0.03	12	-5		0	b									
Reykjavik		29.62	27		0	c	29.64	+0.04	24	+15	E	1	o									
Vestmanna		29.58	29	E	9	bc	29.65	+0.02	26	0	SSE	1	bc	2								
Seydisfjord		29.82	21	NW	2	b	29.87	-0.01	11	-2		0	b									
Thorshavn		29.56	36	N	4	bc	29.67	0.00	30	-3	NE	2	o									
Haparanda		29.48	23	WSW	2	o	29.44	-0.01	28	+32	WSW	4	o		Trace	28	-5					
Hernösand		29.54	31		0	o	29.66	+0.03	26	-3		0	b			32	21					
Stockholm		29.65	36	W	2	o	29.80	+0.01	34	-2	VSW	2	o		0.16	39	32					
Wisby		29.76	39	SW	2	b	29.81	-0.03	39	0	SSE	2	bc		0.20	45	32					
Karlstad		29.68	35		0	b	29.69	-0.01	34	-1		0	f		0.08	?	?					
Färder (X'ianta Fjord)		29.65	38	SW	3	b	29.60	-0.04	36	-1	E	2	m			39	26					
Bodö		29.24	30	E	4	c	29.08	-0.03	36	+11	NW	7	s	4		36	23					
Christiansund		29.39	41	VSW	3	r	29.53	+0.02	35	-4	SE	1	r	3	0.08	41	35					
Skudesnaes		29.60	39	SE	2	c	29.38	-0.08	40	0	E	6	r	2	0.12	45	37					
The Scaw (Skagen)		29.74	29	SW	3	m	29.50	-0.06	40	+1	ESE	4	r	1	0.24	45	36					
Blaavands Huk		29.70	44	SE	1	c	29.47	-0.01	42	+1	SSW	3	c	2	0.20	45	39					
Cuxhaven		29.66	46	SE	3	bc	29.58	+0.04	46	+3	SW	4	c		0.32	54	46					
The Helder		29.44	50	E	3	r	29.50	+0.03	45	0	S	9	c	5	0.28	54	43					
Brussels		29.50	53	SSE	3	b	29.66	+0.03	44	-2	SSW	5	c		0.32	64	42					
Berlin		29.79	56	S	1	b	29.69	0.00	49	+2	S	1	o		Trace	64	43					
Frankfurt		29.66	58	SW	2	o	29.77	+0.06	47	+1	SSW	1	o		0.24	64	43					
Munich		29.77	52	SSW	5	b	29.80	+0.03	50	+6	W	1	o			63	45					
C. Gris Nez		29.42	48	SW	5	r	29.50	+0.04	45	-1	SSW	7	c	6	0.08	63	45					
La Hève		29.42	47	SW	8	o	29.54		41	-6	SW	6	b	6		50	37					
Brest (St. Mathieu)		29.38	45	WSW	7	o	29.56	+0.01	46	-3	VNW	4	o	5	0.08	50	45					
Lorient (Bec Melen)		29.51	47	SW	6	c	29.51		50	0	W	6	o	7	0.04	54	43					
Rochefort (Ile d'Aix)		29.69	50	WSW	5	bc	29.75	+0.02	47	-4	SSW	4	r		0.24	63	45					
Biarritz		29.80	52	NW	3	c	29.88	+0.07	50	-7	NW	4	o	5	0.08	68	45					
Paris		29.54	58	SW	4	b	29.73	+0.04	43	+2	SSE	2	b			68	41					
Belfort		29.69	60	SW	7	tr	29.93		41	-6	SE	2	o		0.32	64	41					
Lyons		29.75	59	SSW	4	r	29.89		42	-4	SW	1	r		0.35	67	41					
Nice		29.96	56		0	o	29.84	-0.02	52	+1		0	o		1.14	59	50					
Perpignan		29.69	61	SW	2	c	29.79	0.00	50	-3	SW	1	o		Trace	67	45					
Sanguinaire																						
Corunna (8 a.m.)		29.67	53	S	3	o	29.92	+0.06	49	+2	W	8	r	5	0.47	52	43					
Lisbon (9 a.m.)		30.00	51	VNW	4	c	30.15	+0.06	53	0	W	3	bc	7		59	48					
Gibraltar		30.00	57	W	3	bc	30.16		50	-6	W	3	bc	2	0.03	71	49					
Azores (P. Delgada)		30.26	50	N	3	b	30.19	+0.01	51	+4	NNE	2	bc									

* Information for these columns not usually received.

† Received too late for insertion in Charts.

GALES.

Duration and Extreme Force
on British Coasts.

Lerwick
4 a.m. - 10 a.m. Extreme NNE. 8.

Scilly
4 p.m. - 5 p.m. do NW. 8

Portland Bill
6 p.m. - 10 p.m. do S. 10

Dungeness
10 p.m. - 5 a.m. do SW. 10

Dover
10 p.m. do SW. 8.

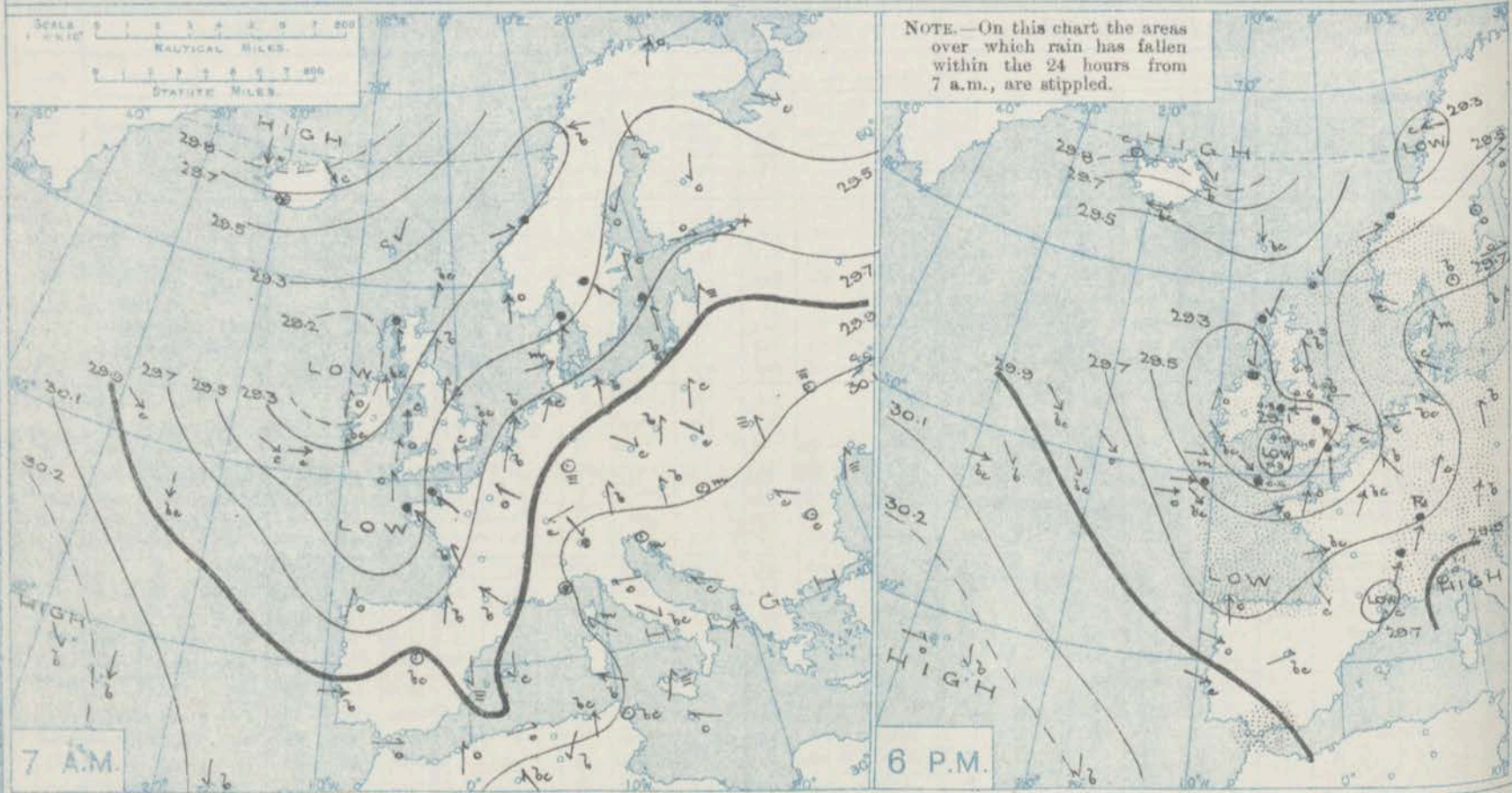
Aberdeen
4 a.m. Squall do 48 mph (9)

London (Kew)
4.50 p.m. 40 mph (8)
8.30 p.m. 63 mph (10)
10.30 p.m. 67 mph (11)
1.0 a.m. 52 mph (3)

Kennington
gust 9.10 p.m. 47 mph (3)

Southport
5 a.m. Extreme NW. 8
gust 55 mph (10)

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 22ND MARCH.



GENERAL INFERENCE

WEATHER PROSPECTS.

FORECASTS FOR THE 24 HOURS NOON Sunday TO NOON Monday.

0 {
a
b

1

2 {
a
b

3

4 {
a
b

5

None Issued

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

South Cone hoisted yesterday at 11.30 a.m. in Districts 2, 3, 5, 8 & 11; at 7 p.m. in 0, 1, 16 & 20; and North Cone at 7 p.m. in 6, 7 and 9.

6 {
a
b

7 {
a
b

8 {
a
b

9 {
a
b

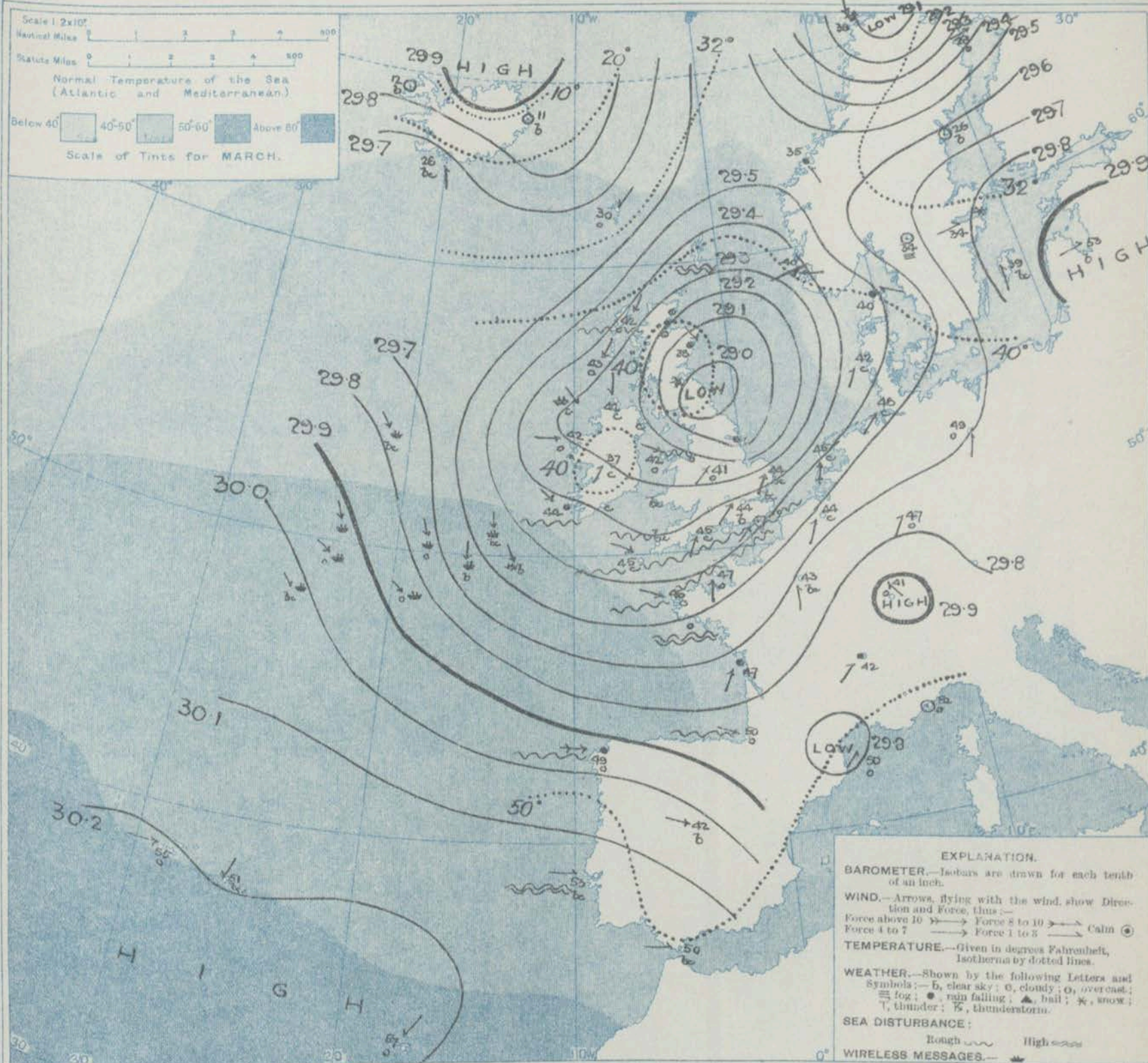
10 {
a
b

None Issued.

11 WESTERN CHANNEL AND BAY.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. SUNDAY, 23rd MARCH 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The depression which lay yesterday beyond the mouth of the Channel has increased considerably in intensity and has travelled in a N.N.E. direction across the United Kingdom, its central area being now shown over Berwickshire. Another well-marked disturbance has appeared over the north of Scandinavia.

A cyclonic circulation exists around each depression. Over north and central England the wind is strong from West or South-West, while in the north of Scotland it is equally strong from the North-East, with a gale at Lerwick. Temperature has changed rather irregularly but has fallen in most places. Over the

United Kingdom the thermometer ranges from 4.5° or a trifle above it on the south coast of England to 40° or less in central Ireland and the east of Scotland. Frost prevails over northern Sweden and hard frost in Iceland, where the readings range mostly between 8° and 12° F. The weather is fine in the south of England as well as in Iceland, but cloudy or dull over western Europe generally. Rain is falling on the east coast of Great Britain, as well as on the eastern side of the North Sea, and snow at Bodø. The sea is high off Shetland and rough or rather rough on nearly all the British and French coasts.

DAILY WEATHER REPORT.

Sunday, 23rd March, 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- Outward H- Homeward	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- Outward H- Homeward	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
23rd, 7am.	48	23	Ascania	H	30.02	00	NW	1-3	bc.	22nd, 6pm.	49	11	Montreal	O	29.23	+03	W	6-7	bc.
" "	50	22	Harford	O	30.00	+10	NNW	6-7	bc.	" "	49	11	Presaba	O	29.38	+03	W	4-5	bc.
" "	49	22	Beltic	O	30.12	+08	NW	6-7	o.	" "	51	10	Tunisian	O	29.20	-05	W	1-3	m.
22nd, 6pm.	48	29	Juvenia	O	30.05	+09	W	4-5	bc.	" 1pm	51	12	Victorian	H	29.20	+02	SE	1-3	bc.
" "	48	27	Ascania	H	30.02	-05	NW	1-3	b	" 7am	51	28	California	H	29.93	-02	NW	4-5	bc.
" "	52	24	California	H	29.88	-02	NW	4-5	bc.	" "	47	24	Kronland	H	29.85	-09	N	6-7	bc.
" "	48	21	Kronland	H	29.88	-03	NW	6-7	bc.	" "	48	25	Juvenia	O	29.84	+13	NNW	8-9	bc.
" "	50	19	Beltic	O	29.23	-01	W	4-5	o	" "	51	16	Harford	O	29.24	+13	NNW	4-5	c
" "	49	12	Ascania	O	29.23	-01	W	4-5	o										
" "	51	11	Empress of Ireland	O	29.36	+04	NW	4-5	bc.										

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	Hr.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	Hr.
		Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.		
Scotland.	In.							Margate	In.						
Oban								Ramsgate	0.03	55	48	bc	bc.	4.6	
Stonehaven								Deal	0.02	51	48	bc	bc.	5.4	
St. Andrews								Folkestone	0.05	55	43	bc.	g.o.ou	7.2	
Carnoustie								Littiestone	0.05	54	43	bc.	bc.	4.7	
England, N.E.								Hastings	0.08	52	45	bc.	bc.	5.0	
Harrogate	0.23	44	35	bc.	or	0.1		Bexhill-on-Sea	0.05	52	46	bc.	bc.	4.3	
Scarborough								Eastbourne	0.06	53	44	bc.	bc.	4.0	
England, N.W.								Seaford	0.09	55	46	bc.	bc.	4.3	
Blackpool	0.44	46	38	bc.	or	1.1		Brighton	0.13	53	46	bc.	bc.	3.9	
Southport	0.25	45	37	bc.	or	0.5		Worthing	0.17	53	45	bc.	bc.	3.4	
Buxton	0.42	42	35	bc.	or	0.0		Littlehampton	0.19	51	47	bc.	bc.	?	
Matlock								Bognor							
Douglas								Southsea							
Wales.								Bournemouth	0.35	51	43	bc.	bc.	1.1	
Rhyl	0.37					0.2		Weymouth	0.08	49	43	bc.	bc.	0.1	
Colwyn Bay	0.41	47	38	bc.	bc.	0.3		Teignmouth	0.64	49	43	bc.	bc.	0.1	
Llandudno								Torquay	0.52	49	43	bc.	bc.	0.1	
Bettws-y-Coed								Paignton	0.55	50	41	bc.	bc.	0.0	
Aberystwyth	0.70	45	38	bc.	bc.	0.0		Ilfracombe	0.78	49	40	bc.	bc.	0.0	
England, E.								Weston-super-Mare							
Lowestoft															
Felixstowe	0.08	49	41	bc.	bc.	3.2									
Walton-on-Naze	0.09	49	44	bc.	bc.	3.0									
Southend-on-Sea	0.12	53	39	bc.	bc.	1.7									

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain-fall.	WEATHER.			Sun-shine for Yesterday.	STATIONS.	RAIN-FALL.	TEMPERATURE.			WEATHER.			Sun-shine for Yesterday.																									
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.		Min. on Grass.		Fore-noon.	After-noon.	Night.				In Screen.	Night Min. on Grass.	Night.	Fore-noon.	After-noon.																											
			Max.	Min.														Max.		Min.																								
			24 HOURS ENDED 9 A.M. TO-DAY.																																									
Greenwich (Royal Obsv.) ...	73	76	57	42	38	0.20	bc.	bc.	or	3.5	Dublin to 4 p.m.	0.01	50	41	38	bc.	c.o.	0	0.2																									
City (Bunhill Row) ...	*	*	*	*	*	*	bc.	c.ally	c.ally	1.3	Plymouth to 9 p.m.	0.51	49	41	40	or	or	c.b.	0.1																									
Westminster (St. James's Pk.)	78	86	57	43	39	0.11	bc.	c.ally	c.ally	2.5	Darwen "	0.43	43	35	31	c.c.	f.b.c.	c.o.	0.0																									
Camden Sq. (Brit. Rainfall)	69	73	56	42	37	0.13	0.0	c.ally	c.ally	1.0	Manchester "	0.35	46	39	30	c.	c.	or	0.0																									
Hampstead (Reservoir) ...	*	86	50	40	37	0.23	or	c.ally	c.	1.0	Birmingham "	0.31	47	37	30	or	or	0	0.0																									
Kew. (See front page.)											Oxford to 8 p.m.	-	54	40	36	b.b.c.	cm	or	0.0																									
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																																												
Total.			Average Rate.			Max. Rate.																																						
S. Kensington (Roof of M.O.)			93			76			6.58 Joules.			12.6 Milliwatts.			49 Milliwatts.			2.4			S. Kensington (Museum Grounds to 6 p.m.)			0.17			57			43			38			or			or			or		

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

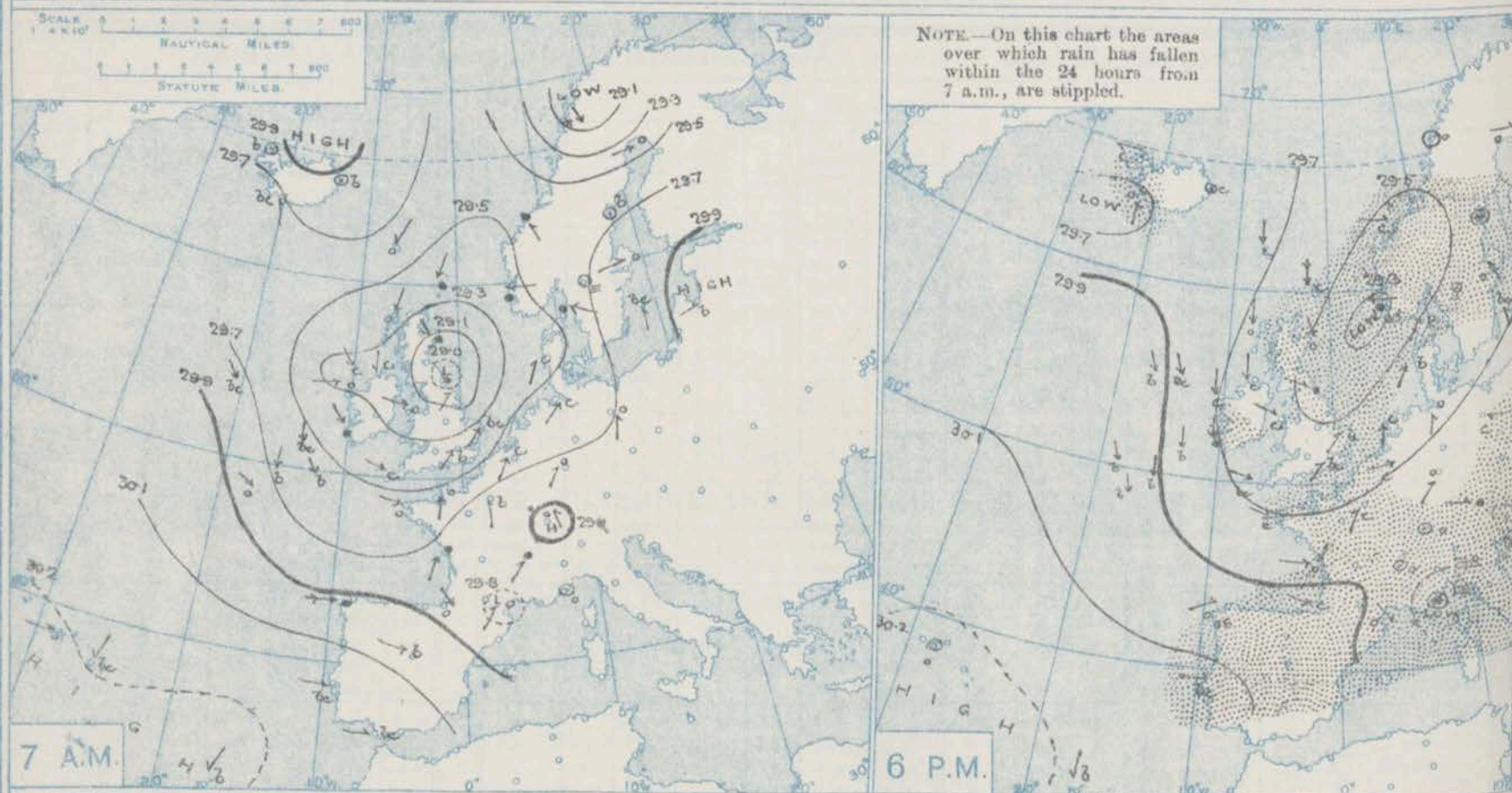
Monday
24th March 1913.

STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
	Barom.	Temp.	Wind.	Force (0 to 12).	Weather.	Barometer.	Temp.	Wind.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	Temp.		Weather.						
													Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night 6 p.m. to 7 a.m.				
At 32° Fahr. and M.S.L. Lat. 46°.	Dry Bulb.	Dirac.	Force (0 to 12).	Weather.	At 32° Fahr. and M.S.L. Lat. 46°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.	Dirac.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night 6 p.m. to 7 a.m.	Hours		
Spitzbergen...	29.52	-19	S	2	b	29.52	-10.1	-20	-	0	0	0	0	-17	-27	+	+	+	+		
Lerwick ...	29.50	37	N	8	c	29.55	+0.8	35	-6	NNW	2	bc	6	41	34	0.05	0.05	0.05	0.05		
Stornoway ...	29.69	39	N	5	o	29.95	+0.5	35	-7	NW	2	c	2	43	34	0.04	0.04	0.04	0.04		
Castlebay (Barra Isd.)	29.69	41	N	4	bc	29.96	+0.5	38	-5	NW	1	o	2	45	35	Trace	0	0	3.5		
Malin Head...	29.63	43	N	6	c	29.98	+0.5	40	-2	W	3	bc	2	39	36	0.03	0.03	0.03	0.03		
Blacksod Point	29.66	46	N	4	c	30.00	+0.5	42	0	SW	2	o	3	50	36	0.08	0.08	0.08	0.08		
Valencia ...	29.72	46	N	5	ep	30.06	+0.7	36	-8	-	0	b	2	48	35	0.20	0.20	0.20	1.1		
Roche's Point	29.66	45	N	3	c	30.06	0	39	-2	N	2	bc	2	52	36	0.06	0.06	0.06	0.06		
Birr Castle ...	29.63	46	NW	1	c	30.04	0	39	-3	N	2	bc	2	51	29	0	0	0	3.6		
Donaghadee ...	29.56	44	NW	4	bc	29.96	+0.7	34	-7	NW	3	bc	2	46	34	0	0	0	0		
Liverpool Obsy...	29.54	42	W	3	o	29.94	+1.0	37	-8	-	0	b	2	48	26	0.02	0.02	0.02	2.7		
Holyhead ...	29.54	46	WNW	3	c	29.98	+0.5	43	+1	NE	4	bc	3	45	41	0.01	0.01	0.01	1.8		
Pembroke (St. Ann's Hd.)	29.61	45	WNW	2	b	29.97	+0.9	40	-4	E	1	bc	2	48	40	Trace	0	0	6.0		
Newquay ...	29.63	47	WNW	3	bc	29.97	+0.9	44	-1	NE	2	b	4	51	37	Trace	0	0	8.0		
Scilly (St. Mary's)	29.62	47	WNW	4	bc	29.96	+0.9	45	0	NE	2	bc	3	52	43	0.02	0.02	0.02	5.0		
Jersey (St. Aubin)	29.67	49	WSW	3	b	29.95	0	40	-7	WNW	2	bc	2	57	38	0.02	0.02	0.02	6.2		
Portland Bill	29.59	48	WSW	4	b	29.93	+1.0	42	-3	NNW	3	b	3	49	41	0	0	0	0		
Dungeness ...	29.59	47	SW	4	c	29.88	+0.7	39	-3	NW	2	c	2	52	34	0.01	0.01	0.01	3.8		
Dover ...	29.60	46	WSW	5	bc	29.88	0	40	-6	NW	3	c	4	50	37	0.04	0.04	0.04	0.04		
Wick ...	29.55	38	NNE	6	c	29.93	+0.8	33	-8	WNW	3	bc	3	40	32	0.18	0.18	0.18	0.18		
Nairn ...	29.57	39	N	3	o	29.94	0	35	-2	-	0	c	1	42	32	0.09	0.09	0.09	0.09		
Aberdeen ...	29.47	41	NNW	5	o	29.96	+1.0	37	+4	NW	3	o	2	42	35	0.10	0.10	0.10	0.10		
Leith ...	29.49	46	NNW	2	c	29.95	+1.1	37	+2	W	1	of	3	45	35	0.03	0.03	0.03	0.03		
North Shields	29.41	42	WNW	2	p	29.94	+1.0	36	-5	WNW	2	c	3	44	34	0.11	0.11	0.11	0.11		
Spurn Head ...	29.48	45	W	4	c	29.91	+1.4	41	+1	N	5	c	4	49	39	0.02	0.02	0.02	0.02		
Yarmouth ...	29.52	50	SW	2	b	29.88	+1.0	38	-6	WNW	2	bc	2	51	37	0.02	0.02	0.02	0.02		
Clacton-on-Sea	29.52	47	WSW	2	bc	29.90	+0.8	37	-7	NNW	2	bc	1	48	36	0.15	0.15	0.15	0.15		
Nottingham...	29.55	47	W	3	bc	29.95	0	39	-2	NW	3	bc	0	53	37	0.0	0.0	0.0	0.0		
Bath ...	29.53	48	W	2	o	29.97	0	37	-3	W	1	o	0	54	32	0	0	0	7.9		
London (New Obsy.)	29.59	49	SW	3	bc	29.94	+0.7	36	-8	SW	1	cmx	0	52	35	Trace	0	0	3.8		
Isafjord...	29.72	29	E	2	c	29.29	-1.2	29	+17	E	4	s	0	0	0	0	0	0	GALES.		
Reykjavik ...	29.68	33	E	3	c	29.10	-1.15	32	+8	E	7	o	0	0	0	0	0	0	Duration and Extreme Force on British Coasts.		
Vestmanna ...	29.67	33	S	1	o	29.28	-1.2	36	+10	E	9	r	3	0	0	0	0	0			
Seydisfjord ...	29.86	26	-	0	c	29.69	-0.6	19	+7	-	0	0	0	0	0	0	0	0			
Thorshavn ...	29.73	32	N	4	c	29.80	0.00	36	+6	SW	4	o	0	0	0	0	0	0			
Haparanda ...	29.63	23	W	2	c	29.78	0.00	14	-14	N	2	bc	0	32	10	0.01	0.01	0.01	0.01		
Hernösand ...	29.55	33	-	0	s	29.47	-0.01	35	+9	SW	2	r	0	39	21	0.01	0.01	0.01	0.01		
Stockholm ...	29.61	39	SSE	2	o	29.60	-0.01	39	+4	S	2	bc	0	41	34	0.12	0.12	0.12	0.12		
Wisby ...	29.69	43	SSE	2	bc	29.70	0.00	43	+4	S	2	bc	0	45	37	0.20	0.20	0.20	0.20		
Karlstad ...	29.57	36	-	0	o	29.51	0.00	38	+4	SSW	2	c	0	39	34	0.16	0.16	0.16	0.16		
Färder (X'ania Fjord)	29.47	40	SSE	4	o	29.48	+0.01	40	+4	SW	4	cm	4	44	36	0.32	0.32	0.32	0.32		
Bodö ...	29.60	24	-	0	o	29.53	-0.01	24	-12	RHE	2	b	1	34	21	0	0	0	0		
Christiansund	29.39	38	W	1	c	29.52	+0.03	38	+3	NNW	2	c	3	39	34	0.08	0.08	0.08	0.08		
Skudesnaes ..	29.27	39	E	6	r	29.66	+0.09	37	-3	NNW	6	b	2	43	36	0.51	0.51	0.51	0.51		
The Scaw (Skagen)...	29.52	42	SSW	6	o	29.51	+0.01	41	+1	SW	4	o	1	48	39	0.04	0.04	0.04	0.04		
Blaavands Huk ...	29.57	43	SSW	5	b	29.68	+0.05	41	-1	WNW	3	o	2	45	39	0	0	0	0		
Cuxhaven ...	29.67	46	S	3	o	29.76	+0.04	44	-2	WSW	3	o	0	51	41	0	0	0	0		
The Helder ...	29.73	46	WSW	5	c	29.90	+0.09	41	-3	WSW	1	o	0	56	38	0	0	0	0		
Brussels ...	29.73	55	E	1	c	29.76	+0.02	48	-1	W	1	o	0	61	46	0.46	0.46	0.46	0.46		
Berlin ...	29.78	48	SW	1	o	29.86	+0.06	41	-6	-	0	f	0	57	41	0	0	0	0		
Frankfurt ...	29.79	42	W	3	r	29.80	+0.01	39	-1	NW	4	r	0	53	39	0.28	0.28	0.28	0.28		
Munich ...	29.63	46	W	6	bc	29.88	+1.10	43	-2	NNW	1	m	1	52	43	0.04	0.04	0.04	0.04		
C. Gris Nez...	29.73	46	WSW	3	bc	29.90	0	41	0	W	3	c	3	50	39	0	0	0	0		
La Hève ...	29.76	48	WNW	4	c	29.99	+0.03	43	-3	N	1	b	5	51	41	0.05	0.05	0.05	0.05		
Brest (St. Mathieu)	29.68	48	MW	4	c	29.97	0	43	-7	N	3	o	3	54	39	0	0	0	0		
Lorient (Bec Melon)...	29.81	49	W	5	o	29.97	+0.01	48	+1	NNW	3	c	0	54	46	0.08	0.08	0.08	0.08		
Rocheport (Ile d'Aix)	29.93	52	WNW	4	c	30.01	+0.01	48	-2	SW	3	o	4	57	41	0.20	0.20	0.20	0.20		
Biarritz ...	29.74	49	SSW	2	o	29.94	+0.09	35	-8	-	0	b	0	56	32	0	0	0	0		
Paris ...	29.83	44	-	0	o	29.95	0	39	-2	W	4	r	0	60	39	0.20	0.20	0.20	0.20		
Belfort ...	29.84	43	W	1	o	30.03	0	43	+1	WNW	4	o	0	44	41	0.32	0.32	0.32	0.32		
Lyons ...	29.73	50	-	0	r	29.68	+0.12	49	-3	SW	1	b	4	57	45	1.89					

* Information for these columns not usually received.

† Received too late for insertion in Charts.

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 23RD MARCH.



GENERAL INFERENCE

WEATHER PROSPECTS.

The barometer is rising generally and a quiet Northerly type of weather is likely to prevail, but towards night the

wind will back S.W. or South-Westerly over the northern districts.

FORECASTS FOR THE 24 HOURS NOON MONDAY TO NOON TUESDAY.

- 0 {
a Light Northerly and North-
b Westerly breezes, backing later;
generally fair or fine, then
1 local showers; rather cold.

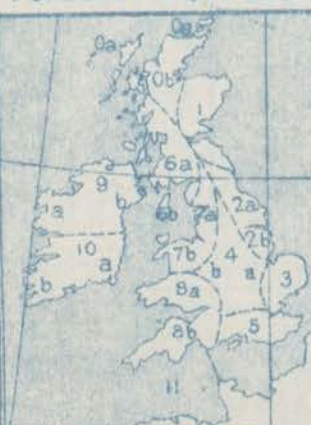
- 2 {
a Calms and light variable
b

- 3 {
a Northerly breezes; generally
b

- 4 {
a fair or fine, local mist; rather
b

- 5 {
a cold, night frost in places
b

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Coast. <input checked="" type="checkbox"/>	South Coast. <input checked="" type="checkbox"/>
North Coast. <input checked="" type="checkbox"/>	North Coast. <input checked="" type="checkbox"/>

NO WARNINGS
ISSUED

- 6 {
a Same as Nos. 0 and 1.
b

- 7 {
a Same as Nos. 2 to 5
b

- 8 {
a Same as Nos. 0 and 1.
b

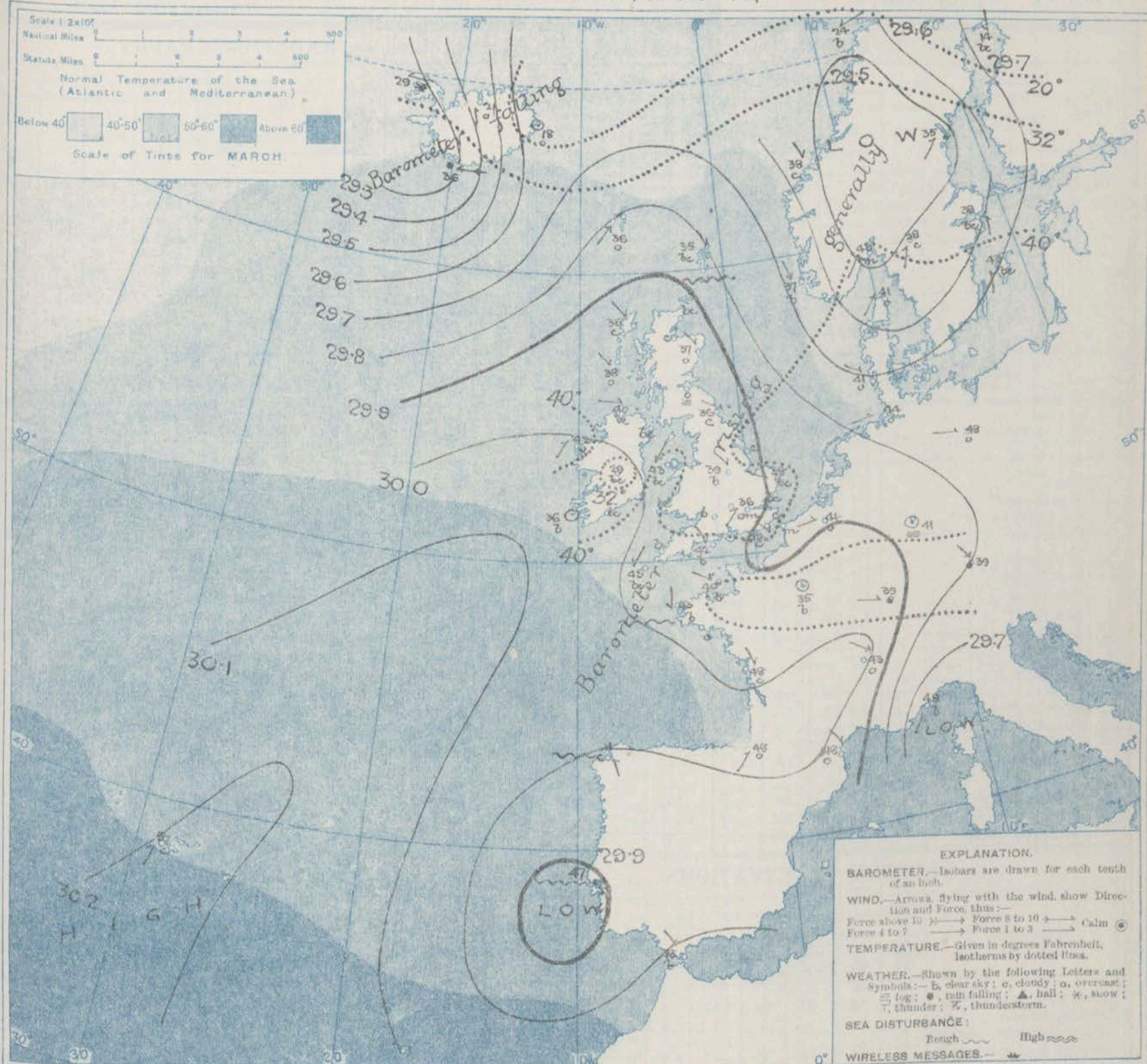
- 9 {
a Same as Nos. 2 to 5.
b

11 WESTERN CHANNEL AND BAY.

Light variable Northerly breezes; sea slight or smooth; generally fair or fine, local mist; rather cold.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. MONDAY, 24TH MARCH 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

A general increase of pressure has taken place over these islands and western Europe, and the barometer is now above 30 in. from southern Ireland down to Spain, and 30.2 in. at the Azores. In a depression to the westward of Iceland the barometer is below 29.2 in., and in another over central Scandinavia it is below 29½ in. The gradient is slight in most regions.

The winds show cyclonic circulations about Iceland and Scandinavia, but over the rest of our area calms and light variable breezes prevail. A strong Easterly gale is blowing off the south of

Iceland. At the home stations temperature ranges from 29° at Birn Castle to 45° at Scilly; on the Continent from 35° at Paris to 49° at Nice; in Scandinavia from 14° at Haparanda to 43° at Wisby; and in Iceland from 18° to 36°. At Spitzbergen it is -20°. Fair to fine weather prevails over nearly the whole of the region under observation, but rain is falling at a few foreign stations, snow in the north-west of Iceland. The sea is moderate to very smooth on nearly all coasts.

DAILY WEATHER REPORT.

Monday, 24th March 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward H = Homeward	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward H = Homeward	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
24th Jan. 7am	57	10	California	H	30.02	+0.05	WNW	1-3	c	23rd Jan. 7am	53	20	California	H	29.78	-0.01	NW	4-5	bc
23rd Jan. 6pm	50	18	Tunisian	O	29.97	+0.05	NNW	4-5	b	"	48	17	Kronland	H	29.85	-0.00	WNW	6-7	o
"	49	17	Mesaba	O	30.03	+0.02	NNW	3-7	b	"	50	15	Empress of Ireland	O	29.85	?	NNW	4-5	o
"	51	16	California	H	29.92	+0.03	NNW	4-5	b	"	49	15	Ansonia	O	29.68	+0.02	N	6-7	b
"	49	16	Montreal	O	29.96	+0.11	WNW	4-5	c	"	49	14	Montreal	O	29.66	+0.14	NNW	6-7	c
"	49	15	Manitoba	O	29.90	+0.13	N	4-5	b	"	51	14	Tunisian	O	29.72	+0.04	N	6-7	bc
"	51	14	Cameronia	O	29.88	+0.14	NNW	4-5	bc	"	49	14	Mesaba	O	29.66	+0.04	NNW	8-9	b
"	51	13	Haustaria	O	30.05	+0.21	N	4-5	b	"	49	12	Manitou	O	29.57	+0.26	NNW	6-7	b
"	49	13	Kronland	H	29.80	-0.06	NW	6-7	b	"	55	10	Cameronia	O	29.20	+0.01	NW	4-5	c

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.	Oban	In.					Hr.	England, S.E.	Margate	In.					Hr.
	Stonehaven								Ramsgate						
	St. Andrews								Deal						
	Carnoustie								Folkestone						
England, N.E.	Harrogate	0.22	43	35	p.c.or	a.c	0.0	England, S.W.	Littlestone						
	Scarborough		47	37	arg	bc	0.2		Hastings						
	Blackpool	0.09	47	38	cp	cp	1.1		Bexhill-on-Sea						
	Southport	0.36	48	38	r.bc	bc.r.c	2.3		Eastbourne						
England, N.W.	Buxton	?	45	33	bc	bc	1.3	England, S.W.	Seaford						
	Matlock								Brighton						
	Douglas								Worthing						
	Rhyl	0.24	49	37			2.0		Littlehampton						
Wales.	Colwyn Bay	0.38	49	37	bc	bcp.bc	2.2	England, S.W.	Bognor						
	Llandudno	0.34	49	36	c	b	2.8		Southsea						
	Bettws-y-Coed								Bournemouth						
	Aberystwyth	0.48	47	38	a.c.b	c.b	4.7		Weymouth						
England, S.W.	Lowestoft	0.01	54	42	c.bc	bc.cbc	7.9	England, S.W.	Teignmouth						
	Felixstowe	0.16	51	43	bcp	bcp	5.7		Torquay						
	Walton-on-Naze	0.20	49	40	b.bc.r	bc.b.o	3.6		Paignton						
	Southend-on-Sea	0.20	50	42	p	p	2.9		Ilfracombe						

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain- fall.	WEATHER.			Sun- shine for Yester- day.	STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.		
	3 p.m. Yester- day.	9 a.m. To- day.	In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.				In.	In Screen.		Night Min. on Grass.	Night.	Fore- noon.		After- noon.	
			Max.	Min.										Max.	Min.						
			24 HOURS ENDED 9 A.M. TO-DAY.																		
Greenwich (Royal Obs.) ...	84	89	52	36	26	In.	—	o.b.cq	cp	2p.b.c.c	Hr. 3.8	Dublin to 4 p.m.	0.09	52	38	35	op.b	b.b.c	ph.c	3	
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	*	2.6	Plymouth to 9 p.m.									
Westminster (St. James's Pl.)											4.0	Darwen									
Camden Sq. (Brit. Rainfall)	—	87	53	34	28	0.02	b.c.or	o.b.c	b.b.c	5.0	4.0	Manchester									
Hampstead (Reservoir) ...	*										5.0	Birmingham	0.12	51	36	32	r.c	c.b.c	bc.b	3	
Kew. (See front page.)												Oxford to 8 p.m.	*	53	35	35	0.0q.b	b.b.c	bc.b		
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETER DURING YESTERDAY.																					
Total.			Average Rate.			Max. Rate.															
666 Joules.			14.5 Milliwatts.			4.6 Milliwatts.															
S. Kensington (Roof of M.O.)	—	89	666 Joules.			14.5 Milliwatts.			4.6 Milliwatts.			3.7	S. Kensington (Museum Grounds to 6 p.m.)	0.06	52	43	37	0.0q.c	bcp.	bcp.b	

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

24th & 25th March 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 5.50 5.48	G.M.T. 12.0 11.59	G.M.T. 6.10 6.11
Greenwich	5.57 5.54	12.7 12.6	6.47 6.18
Wick	6.7 6.4	12.13 12.18	6.30 6.33
Valencia	6.35 6.35	12.43 12.47	6.58 6.59

During yesterday temperature passed 50° in many parts of this country and touched 57° at Jersey, but over northern Scotland the maxima were below 45°, only 40° at Wick. Slight frost occurred in the night at several stations. Rain fell in many districts, mostly in very small amounts. The duration of bright sunshine was very variable, some places had none, and a few stations about 8 hours. As far west as the 20th meridian ships experienced northerly and north westerly winds, moderate to strong or a gale, with fair to fine weather.

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; i. 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.

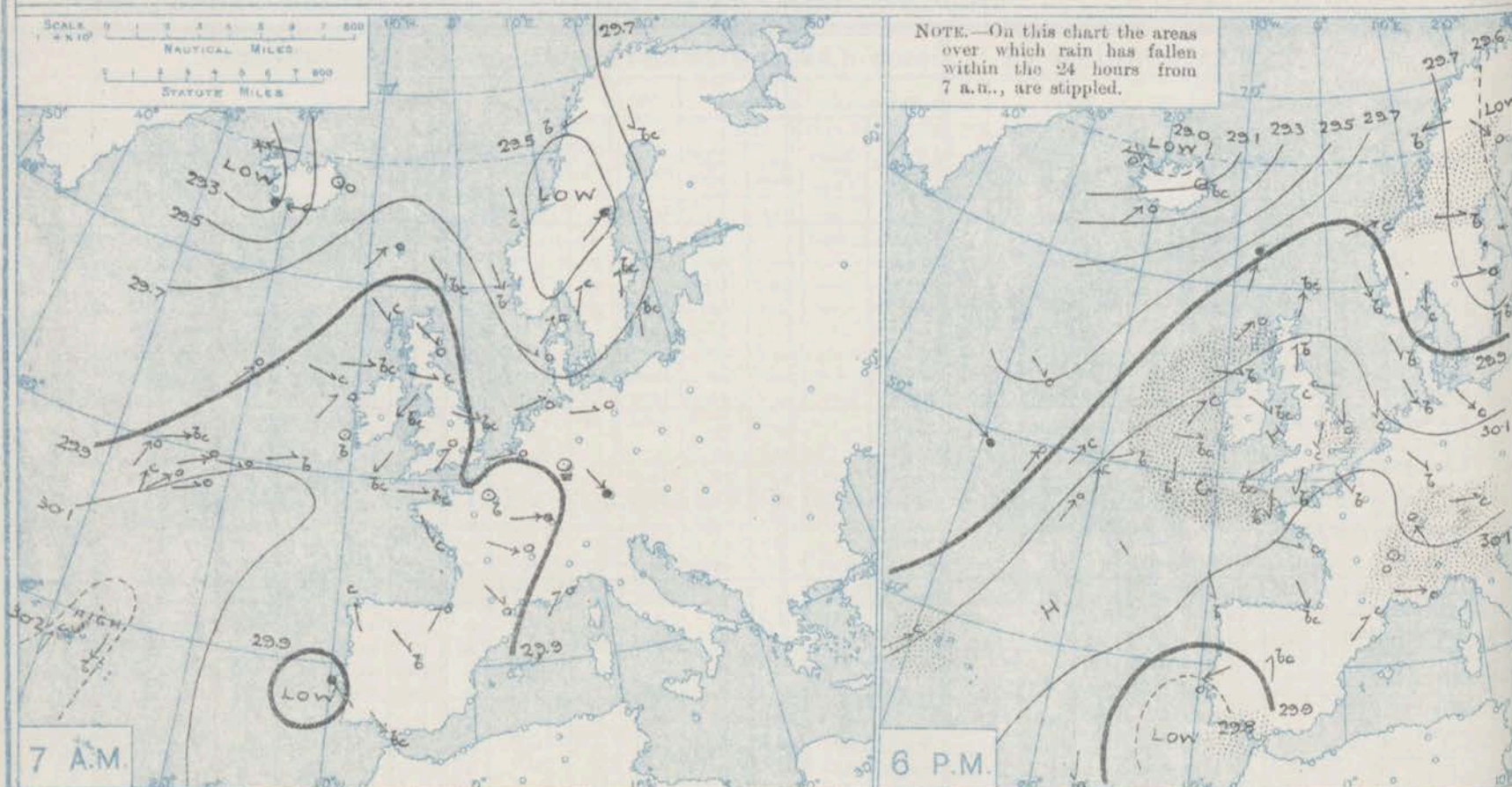
12.34

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Tuesday.
25th March, 1913.

STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Remarks for Yesterday.
	Barom.		Temp.	Wind.	Weather.	Barometer.		Temp.	Wind.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain-fall.	Temp.		Weather.						
	At 32° Fahr. and M.S.L. Lat. 40°.	Dry Bulb.	Dir.	Force (0 to 12).		At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yesterday.					Dir.	Max.	Min.	Morning, 7 a.m. to 1 p.m.	Afternoon, 1 p.m. to 6 p.m.	Night, 6 p.m. to 7 a.m.			
Spitzbergen	29.67	-2.0	SE	2	b	29.64	-0.0	-1.1	+9	SE	2	0	0	-	-16	-21	-	-	-	Hours		
Lerwick	30.01	4.0	SSW	3	bc	30.07	+0.05	4.4	+9	SW	5	0	3	-	44	34	bc	bc	bc	bc		
Stornoway	30.01	4.5	SW	4	0	30.10	+0.04	4.5	+10	SW	5	0	4	-	46	34	c	c.0	c.0	2.6		
Castletown (Barra Isd.)	30.05	4.6	SSW	3	0	30.17	+0.03	4.6	+8	SSW	4	0	4	0.01	47	37	bc	bc	bc	3.6		
Malin Head	30.10	4.5	W	2	b	30.21	+0.03	3.8	-2	S	1	0	0	-	9	38	bc	bc	bc	bc		
Blacksod Point	30.11	4.9	SW	2	c	30.17	0.0	4.3	+1	NNW	2	0	2	0.02	49	39	c	c	b	bc		
Valencia	30.18	4.8	W	2	bc	30.21	+0.01	4.0	+4	E	1	0	3	0.03	50	35	bc	bc	bc	1.3		
Roche's Point	30.19	4.7	S	2	b	30.26	0.0	4.2	+3	S	1	0	1	0.02	48	36	bc	b	bc	bc		
Birr Castle	30.15	4.9	NW	1	c	30.25	0.0	3.2	+3	S	1	0	1	0.0	53	29	b	c	bc	5.6		
Donaghadee	30.15	4.5	NE	1	bc	30.26	+0.02	3.7	+3	WSW	1	0	1	0.0	49	34	c	bc	bc	bc		
Liverpool Obsy.	30.15	3.9	WNW	1	b	30.30	+0.02	3.4	-3	WNW	2	0	1	0.0	45	34	bc	b	bc	7.9		
Holyhead	30.17	4.4	NW	2	bc	30.27	+0.01	3.6	-7	SSE	1	0	0	0.0	45	35	bc	bc	bc	9.9		
Pembroke (St. Ann's Hd.)	30.16	4.5	N	2	bc	30.25	+0.03	3.8	-2	ENE	2	0	2	0.0	50	35	bc	bc	bc	7.0		
Newquay	30.13	4.7	N	3	bc	30.23	+0.01	4.1	-3	E	2	0	3	0.0	49	34	bc	bc	bc	9.5		
Scilly (St. Mary's)	30.13	4.7	ENE	2	bc	30.20	0.0	4.4	+1	ESE	3	0	3	0.0	52	40	bc	bc	bc	3.0		
Jersey (St. Aubin)	30.10	5.0	NNE	3	bc	30.23	0.0	4.4	+4	E	4	0	3	0.0	53	39	bc	bc	bc	3.9		
Portland Bill	30.14	4.7	ENE	2	bc	30.27	+0.02	4.2	0	NE	3	0	2	0.0	45	40	bc	bc	bc	bc		
Dungeness	30.11	4.6	NE	4	c	30.27	+0.03	4.3	+4	E	4	0	4	0.0	50	35	bc	c	bc	bc		
Dover	30.13	4.3	NNE	3	c	30.29	0.0	4.0	0	NE	3	0	2	0.0	50	37	bc	bc	bc	4.7		
Wick	30.03	4.1	SSW	3	c	30.18	+0.05	4.2	+9	SW	2	0	3	0.0	45	32	bc	bc	c	bc		
Nairn	30.03	4.5	W	1	c	30.17	0.0	4.0	+5	-	0	0	1	0.01	47	33	bc	bc	bc	5.8		
Aberdeen	30.12	4.1	S	2	b	30.23	+0.04	3.4	-3	-	0	0	2	0.0	44	32	bc	bc	bc	0.9		
Leith	30.12	4.4	SW	1	c	30.25	+0.05	3.3	-4	WSW	1	0	1	0.0	47	31	bc	bc	bc	bc		
North Shields	30.16	4.1	ESE	2	c	30.31	+0.04	3.4	-2	SW	1	0	2	0.0	44	32	c	c	c	bc		
Spurn Head	30.16	4.2	N	2	c	30.32	+0.02	3.9	-2	WSW	1	0	2	0.0	45	37	bc	bc	c	2.5		
Yarmouth	30.14	4.3	N	2	0	30.33	+0.05	4.1	+3	E	1	0	1	0.0	46	37	bc	bc	bc	2.0		
Clacton-on-Sea	30.13	4.2	NNE	2	0	30.35	+0.03	3.5	+1	NNW	2	0	1	0.02	46	36	bc	bc	bc	2.5		
Nottingham	30.16	4.3	E	2	c	30.32	0.0	3.3	-6	E	1	0	1	0.0	47	31	bc	c	bc	5.6		
Bath	30.15	4.8	NE	1	c	30.31	0.0	3.4	-3	NE	1	0	1	0.0	53	30	bc	-	-	4.7		
London (Kew Obsy.)	30.16	4.5	NNE	3	c	30.33	+0.04	2.9	-7	-	0	0	1	0.0	47	28	bc	bc	bc	0.2		
Isafjord	24.01	3.8	E	1	0	23.06	-0.0	3.1	+2	W	6	0	0	0.0	28	3	bc	bc	bc	bc		
Reykjavik	24.06	3.6	SW	2	0	23.21	+0.01	3.2	0	SSE	3	0	0	0.0	28	3	bc	bc	bc	bc		
Vestmanna	24.17	2.9	SW	6	0	23.36	+0.02	3.4	-2	SW	6	0	2	0.0	28	3	bc	bc	bc	bc		
Seydisfjord	24.09	3.9	-	0	bc	23.35	+0.07	3.6	+18	WSW	2	0	0	0.0	28	3	bc	bc	bc	bc		
Thorshavn	24.87	4.0	SSW	6	0	23.76	+0.05	4.8	+12	WSW	8	0	0	0.0	28	3	bc	bc	bc	bc		
Haparanda	29.52	2.5	NW	4	0	29.91	+0.11	7	-7	N	2	0	0	0.0	28	3	bc	bc	bc	bc		
Hernösand	29.66	3.3	W	2	0	30.01	+0.11	2.6	-9	N	2	0	0	0.0	28	3	bc	bc	bc	bc		
Stockholm	29.67	3.9	W	2	0	29.99	+0.10	3.2	-5	NW	4	0	0	0.0	28	3	bc	bc	bc	bc		
Wisby	29.69	4.0	S	2	0	29.99	+0.10	3.6	-7	NNW	6	0	0	0.0	28	3	bc	bc	bc	bc		
Karlstad	29.80	3.6	NW	2	0	30.15	+0.10	3.1	-7	NW	4	0	0	0.0	28	3	bc	bc	bc	bc		
Färder (X'ania Fjord)	29.84	3.8	NW	4	0	30.19	+0.08	3.5	-5	W	1	0	2	0.0	28	3	bc	bc	bc	bc		
Bodö	29.74	2.1	E	2	0	29.81	-0.06	2.4	0	ENE	4	0	2	0.0	28	3	bc	bc	bc	bc		
Christiansund	29.85	3.7	WSW	4	0	29.95	-0.01	4.0	+2	W	4	0	4	0.04	28	3	bc	bc	bc	bc		
Skudesnaes	30.03	3.7	NNW	4	0	30.23	+0.04	3.8	+1	-	0	0	2	0.0	28	3	bc	bc	bc	bc		
The Scaw (Skagen)	29.85	4.1	N	4	0	30.21	+0.11	3.9	+2	N	3	0	1	0.0	28	3	bc	bc	bc	bc		
Blaavands Huk	30.01	3.9	NNW	3	0	30.27	+0.07	3.9	-2	N	2	0	2	0.0	28	3	bc	bc	bc	bc		
Cuxhaven	30.04	4.0	NNW	4	0	30.29	+0.07	4.1	-3	N	3	0	0	0.0	28	3	bc	bc	bc	bc		
The Helder	30.14	4.1	N	2	0	30.36	+0.08	4.1	-3	NE	3	0	1	0.0	28	3	bc	bc	bc	bc		
Brussels	30.14	4.2	NNE	2	0	30.31	+0.04	3.9	-2	ENE	1	0	0	0.0	28	3	bc	bc	bc	bc		
Berlin	30.17	4.7	NW	4	0	30.22	+0.05	3.5	-13	NW	4	0	0	0.0	28	3	bc	bc	bc	bc		
Frankfurt	30.10	4.5	NW	1	0	30.28	+0.08	4.0	-1	NE	1	0	0	0.0	28	3	bc	bc	bc	bc		
Munich	30.15	3.6	W	3	0	30.25	+0.02	3.7	-2	SE	3	0	0	0.0	28	3	bc	bc	bc	bc		
C. Gris Nez	30.11	4.4	NE	4	0	30.28	+0.05	3.9	-4	ENE	4	0	2	0.08	28	3	bc	bc	bc	bc		
La Hève	30.08	4.7	N	2	0	30.21	0.0	3.7	-4	E	3	0	3	0.0	28	3	bc	bc	bc	bc		
Brest (St. Mathieu)	30.13	4.9	N	2	0	30.19	0.0	4.1	-2	ENE	3	0	2	0.08	28	3	bc	bc	bc	bc		
Lorient (Bec Melan)	30.10	4.8	N	2	0	30.11	0.0	4.3	0	E	3	0	3	0.0	28	3	bc	bc	bc	bc		
Rochefort (Ile d' Aix)	30.08	5.0	WNW	3	0	30.11	+0.02	4.3	-5	E	3	0	3	0.0	28	3	bc	bc	bc	bc		
Biarritz	30.06																					

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 24TH MARCH.









GENERAL INFERENCE

WEATHER PROSPECTS.

The barometer continues on the rise over practically the whole of the area under observation, and no decided change in the general weather conditions is expected

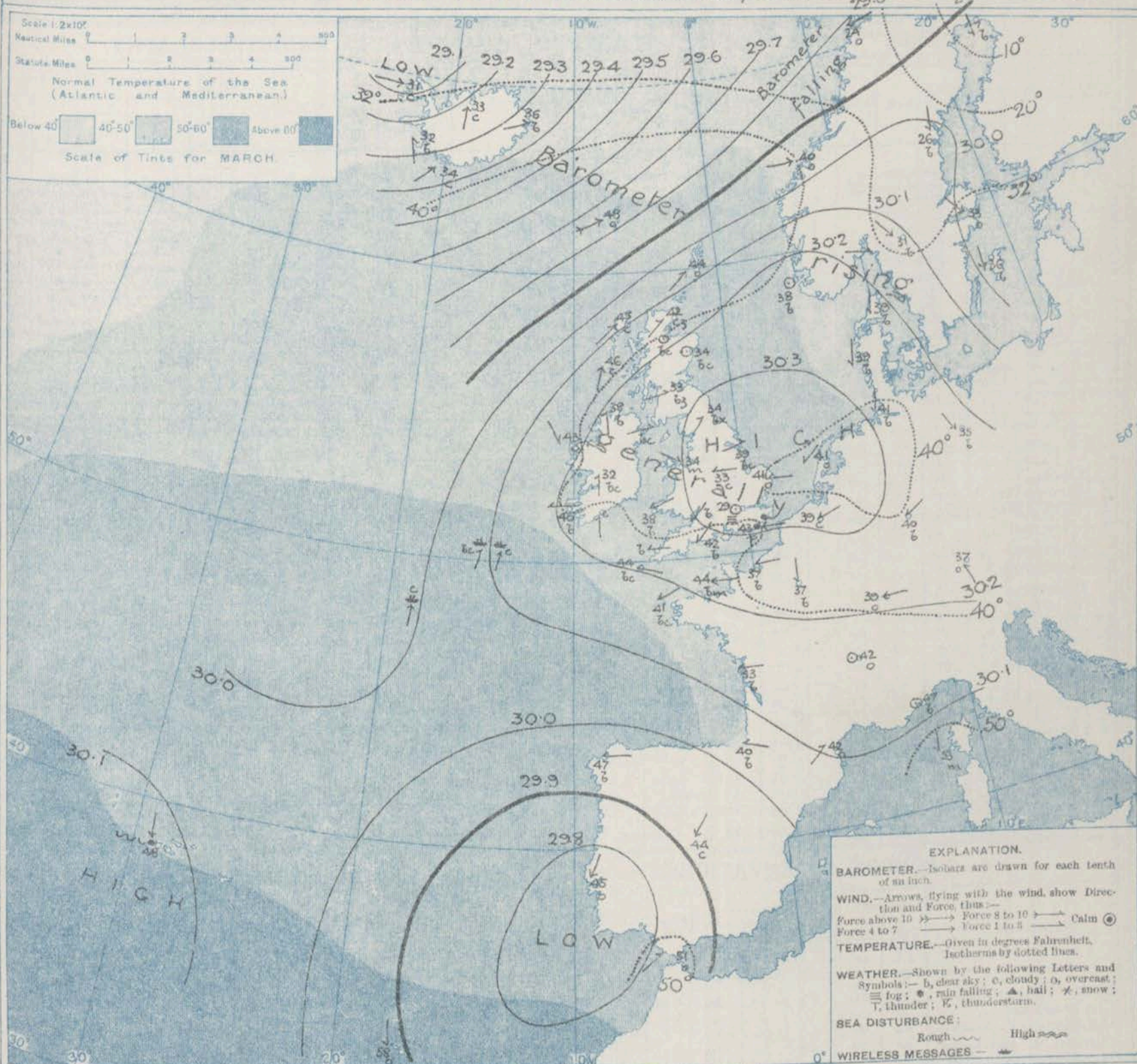
during the ensuing twenty-four hours.

FORECASTS FOR THE 24 HOURS NOON TUESDAY		TO NOON WEDNESDAY.	
0 { a } b }	Fresh South-Westerly winds, moderating later; cloudy, some showers; mild.		
1 { a } b }	Calms and light variable		
2 { a } b }	Westerly breezes; generally fair or fine; moderate day temperature cold night;		
3 { a } b }	Calms and light variable		
4 { a } b }	breezes, mainly Easterly; cloudy to fine, local misty dulness; rather cold, night frost.		
5 { a } b }		6 { a } b }	Same as Nos. 1 and 2.
		7 { a } b }	
		8 { a } b }	Same as Nos. 3 to 5.
		9 { a } b }	Light variable southerly and South-Westerly breezes; fine
		10 { a } b }	to dull; moderate temperature
		11 WESTERN CHANNEL AND BAY. Light variable Easterly breezes; sea slight or smooth; generally fair or fine, local mist; rather cold.	

FORECAST DISTRICTS.	
	
STORM WARNINGS.	
The Coasts upon which the Warning signals are at present displayed are indicated thus:—	
Signals hoisted yesterday.	Signals hoisted this morning.
South Coast. 	South Coast. 
North Coast. 	North Coast. 
NO WARNINGS ISSUED.	

THE FURTHER OUTLOOK.	
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SYNOPTIC CHART FOR 7 A.M. TUESDAY, 25TH MARCH 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

An area of high pressure now embraces a great part of the region under observation, the barometer being above 30.3 in. over England and the Netherlands. In a depression between Iceland and Greenland the barometer is at about 29 in. There is another depression over Spain, below 29.8 in. at Lisbon. The gradient is slight generally, moderate between Scotland and Ireland.

The winds show a complete anticyclonic circulation round the pressure maximum. As a rule the force is very light, but fresh to strong South West to West winds prevail between the

north of Scotland and Iceland, a gale at the Faeroe. At the home stations temperature ranges from 23° at Kew Observatory to 46° at Loughs; on the Continent from 35° at Berlin to 51° at Libralta; in Scandinavia from 7° at Haparanda to 38° at Skudenes; and in Iceland from 31° to 36°. At Spitzbergen it is -11°. Fair to fine, clear weather prevails in nearly all regions, but showers are reported on the Straits of Dover, and locally the atmosphere is misty or hazy. The sea is moderate to very smooth on all coasts.

DAILY WEATHER REPORT.

Tuesday, 25th March, 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
25th Jan.	48	18	Lapland.	O	30.00	-.09	SSW	4-5	c	24th Gpm.	49	12	Ascania	H	30.18	-.01	SE	1-3	b.
"	50	14	Royal Edward.	H	30.04	+0.01	SSW	1-3	bc	"	49	25	Royal Edward.	H	29.89	-.01	SSW	4-5	o
"	50	13	Campania	H	30.16	+0.01	SSW	4-5	c	"	48	24	Campania	H	30.08	-.00	S	4-5	o
24th Gpm.	49	28	Tunisia	O	29.78	+0.04	WNW	6-7	r	"	47	23	Manuelita	H	30.09	+0.02	SW	4-5	o
"	52	25	Campania	O	29.68	-.02	NW	1-3	o	"	50	22	Tunisia	O	30.02	-.03	WSW	4-5	bc
"	49	23	Montreal	O	29.86	-.06	SSW	4-5	o	"	48	22	Ansonia	O	30.09	+0.01	SW	4-5	o
"	50	20	Royal Edward.	H	29.94	-.00	SW	4-5	c	"	49	20	Montreal	O	30.08	+0.05	WSW	4-5	o
"	48	20	Manuelita	H	30.02	-.00	SW	4-5	o	"	53	19	Campania	O	29.87	-.03	SW	6-7	o
"	49	19	Campania	H	30.10	-.00	S	4-5	c	"	49	18	Manitow	O	30.06	-.00	W	1-3	o
"	50	17	Dominion	O	?	?	WSW	1-3	b	"	49	16	Ascania	H	30.12	+0.01	ESE	1-3	o
"	49	12	Lapland.	O	30.14	-.01	N	1-3	b	"	49	15	Mount Temple	H	30.19	+0.01	NNE	1-3	o
"	49	12	Mount Temple	H	30.19	-.01	ENE	1-3	c	"	50	13	Dominion	H	30.06	-.04	WSW	1-3	o

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.		
Scotland.	In.					Hr.		In.					Hr.	
	Oban	0.03	46	35	b. bc. b	b	4.9	Margate	-	50	37	b. bc	c. o	4.4
	Stonehaven							Ramsgate	-	51	37	"	"	4.0
	St. Andrews	-	47	34	b	b	3.2	Deal	-	50	37	c. bc	o. c	4.4
Engl. N.E.	Carnoustie							Folkestone	-	49	39	bc. b	b. bc	4.3
	Harrogate	-	43	33	bc. o	o. bc	2.0	Littlestone	"	"	"	"	"	3.5
	Scarborough	"	49	39	o. c	o. c	2.2	Hastings	-	50	40	o. bc. b	o	2.8
								Bexhill-on-Sea	-	51	39	bc. c	c. o	2.1
England, N.W.	Blackpool							Eastbourne	-	51	38	o. bc. bc	bc. o	2.5
	Southport	-	46	38	b. bc. o	c. b	8.3	Seaford	-	52	43	b. bc	bc. c	3.7
	Buxton	-	45	33	bc	bc	5.5	Brighton	-	52	36	b. bc. c	c. o	5.2
	Matlock							Worthing	-	51	35	bc	c	6.3
Wales.	Douglas							Littlehampton	-	"	"	bc	bc	6.6
	Rhyl	-	46	34	"	"	9.0	Bognor						
	Colwyn Bay	0.04	48	35	bc	b	8.6	Southsea	0.05	50	38	b. bc	bc. c. b	6.3
	Llandudno	0.01	47	37	b	b	8.1	Bournemouth	-	51	35	b. bc	b. bc	5.0
England, E.	Bettws y Coed	"	49	38	c. b	b	7.8	Weymouth	-	50	37	bc. b	b	4.7
	Aberystwyth	-	47	38	c. bc	c. bc	10.5	Teignmouth	-	50	39	bc	bc	6.0
	Lowestoft	-	46	35	c. o. c	c. o	3.0	Torquay	-	51	37	"	b	6.7
	Felixstowe	0.04	46	34	bc	cpm	2.6	Paignton						
England, S.W.	Walton-on-Naze	0.03	46	40	b. bc. r	bc. o	2.7	Ilfracombe	-	49	39	b. bc	b	7.5
	Southend-on-Sea	0.13	50	37	bc	r	1.7	Weston-super-Mare	-	52	38	b	b	7.0

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		TEMPERATURE.		Rainfall.	WEATHER.			Sunshine for Yesterday.
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.	Min. on Grass.		Forenoon.	Afternoon.	Night.	
Greenwich (Royal Observatory) ...	75	80	47	29	20	0.02	o. r	o. c	c. b. m.
City (Bunhill Row) ...									0.2
Westminster (St. James's Pk.) ...	84	87	47	31	27		m. bc	o	0.0
Camden Sq. (Brit. Rainfall) ...	68	78	48	30	24		o	o. c	0.0
Hampstead (Reservoir) ...		75	45	32	18		o. bc	o	0.8
Kew. (See front page.)									
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.									
Total.			Average Rate.		Max. Rate.				
S. Kensington (Roof of M.O.)			4.23 Joules.		9.5 Milliwatts.		2.6 Milliwatts.		0.1

Additional Observations for Yesterday.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine for Yesterday.
		In Screen.	Night Min. on Grass.	Night.	Forenoon.	Afternoon.
Dublin to 4 p.m.	0.01	48	34	31	bc	bc
Plymouth to 9 p.m.						
Darwen		45	32	29	m. bc	bc
Manchester						
Birmingham		50	37	27	c	c
Oxford to 8 p.m.		50	33	26	b. orgm	ogm. c
S. Kensington (Museum Grounds to 6 p.m.)	Trace	49	38	25	bc. com	om. og

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

25th Mar. 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 5.48 5.45	G.M.T. 11.39 11.35	G.M.T. 6.11 6.05
Greenwich	5.54 5.52	12.6 12.6	6.18 6.20
Wick	6.4 6.1	12.18 12.13	6.33 6.36
Valencia	6.35 6.33	12.47 12.47	6.59 7.1

NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature remained below 50° in most parts of this country. Slight frost occurred in the night at a number of stations. On the grass the thermometer fell to 22° at New Observatory, and 15° at Hampstead. The duration of bright sunshine varied greatly, from a few minutes in London to 10½ hours at Aberystwyth. As far west as the 30th meridian ships experienced light to fresh or strong winds from between South-West and North-West, with fine to dull weather, rain in the far west.

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.

12-20-

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

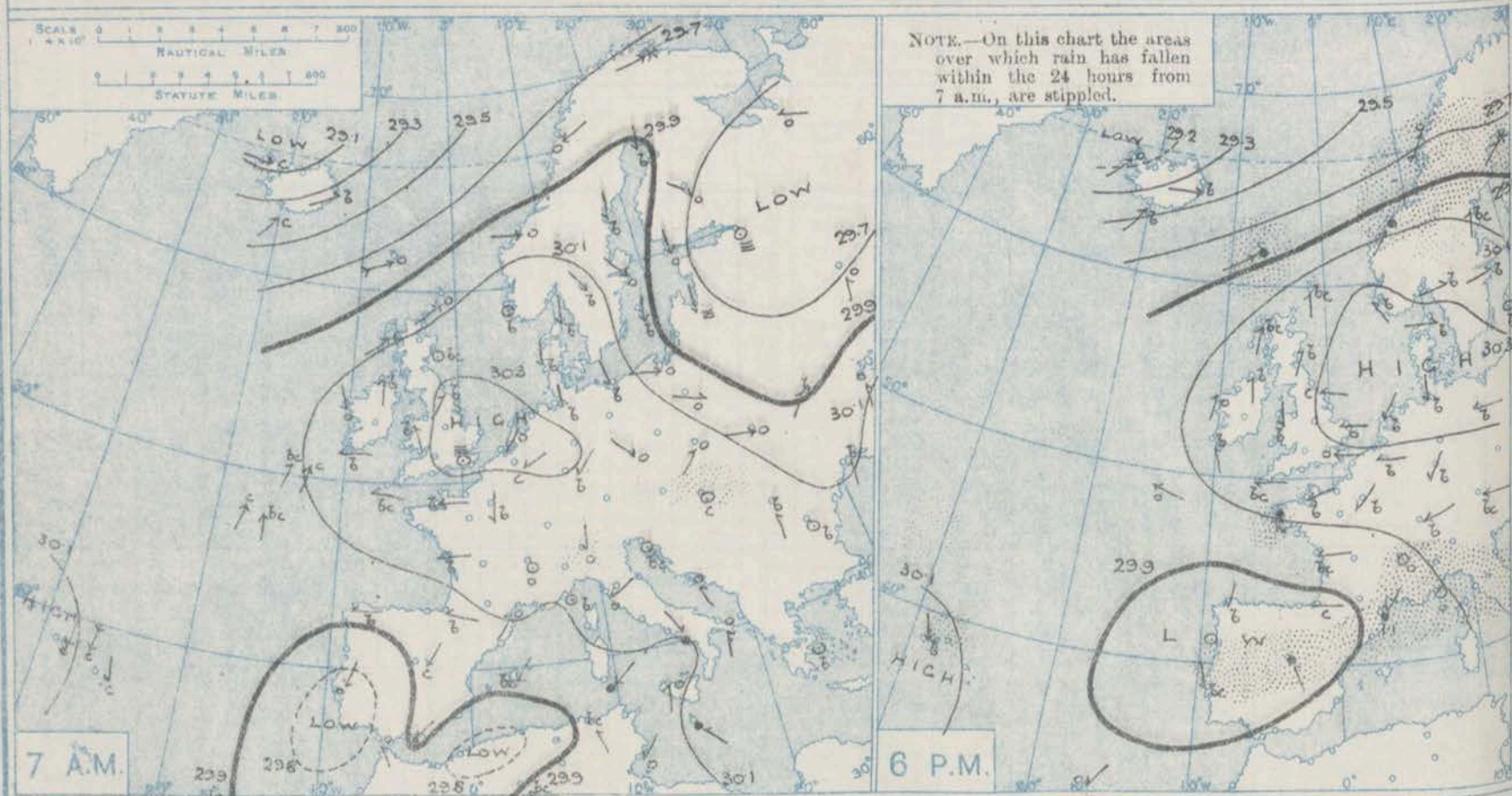
Wednesday.
26th March, 1913.

STATIONS	YESTERDAY EVENING.						THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shine for Yester- day.
	Barom.		Temp.		Wind.	Force	Weather.	Barometer.		Temp.		Wind.	Force	Weather.	Sea (0 to 9).	Rain- fall.	Temp.		Weather.				
	At 3 p.m. Fah. and Cels.	Dry Bulb.	Dir.	Force				At 3 p.m. Fah. and Cels.	Change since 7 a.m.	Dry Bulb.	Change since Yester- day.						Dir.	Force	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'g. 1 p.m. to 6 p.m.	
Spitzbergen	29.41	-2	-	0	-	-	29.40	+0.4	-4	+7	-	0	-	-	-	-	-2	-15	-	-	-	Hours	
Lerwick	30.17	45	S	3	bc	-	30.16	+0.0	41	-3	SSE	2	bc	1	-	-	49	40	bc	bc	bc	7.6	
Stornoway	30.14	47	SSW	6	bc	-	30.09	-0.2	41	-4	S	3	bc	1	-	-	50	40	bc	bc	bc	10.0	
Castletown (Barra Is.)	30.17	46	S	4	bc	-	30.17	-0.1	44	-2	SE	4	om	4	-	-	47	42	bc	bc	bc	10.0	
Malin Head	30.16	50	S	2	b	-	30.05	-0.05	40	+2	S	4	b	2	-	-	7	38	bc	bc	bc	10.0	
Blackod Point	30.15	46	SSW	3	o	-	29.99	-0.4	40	-3	SE	4	o	2	-	-	50	35	bc	bc	bc	10.0	
Valencia	30.16	40	SSE	2	bc	-	29.94	-0.6	42	+3	E	2	bc	3	-	-	53	39	bc	bc	bc	10.0	
Roche's Point	30.20	47	SE	3	bc	-	29.99	-	44	+2	E	4	o	4	-	-	49	41	bc	bc	bc	9.5	
Birr Castle	30.16	51	S	1	bc	-	30.02	-	40	+3	SE	1	o	4	-	-	54	32	bc	bc	bc	9.5	
Donaghadee	30.23	45	SSE	2	b	-	30.12	-0.4	41	+4	SE	3	o	2	-	-	49	36	bc	bc	bc	7.4	
Liverpool Obsy.	30.27	42	SE	3	b	-	30.14	-0.7	36	+4	E	3	c	2	-	-	49	34	bc	bc	bc	10.5	
Holyhead	30.21	44	N	1	m	-	30.08	-0.2	37	+1	SE	3	bc	2	-	-	44	35	bc	bc	bc	7.8	
Pembroke (St. Ann's Hd.)	30.21	44	ESE	2	b	-	30.02	-0.06	40	+2	E	3	bc	2	-	-	44	38	bc	bc	bc	7.9	
Newquay	30.16	45	SE	3	bc	-	29.95	-0.4	42	+1	E	3	bc	3	-	-	51	35	bc	bc	bc	7.9	
Scilly (St. Mary's)	30.13	47	E	5	bc	-	29.90	-0.4	46	+2	E	6	cm	5	-	-	52	42	bc	bc	bc	9.4	
Jersey (St. Aubin)	30.15	48	ENE	4	bc	-	29.93	-	44	0	E	4	bc	3	-	-	54	42	bc	bc	bc	5.3	
Portland Bill	30.19	45	ENE	5	b	-	30.00	-0.4	41	-1	ENE	5	c	4	-	-	47	39	bc	bc	bc	5.3	
Dungeness	30.23	43	NE	5	c	-	30.02	-0.4	42	-1	ENE	6	c	4	-	-	49	41	bc	bc	bc	5.5	
Dover	30.29	40	NE	3	b	-	30.09	-	43	+3	NE	3	b	4	-	-	47	39	bc	bc	bc	5.5	
Wick	30.17	44	S	2	b	-	30.15	-0.2	41	-1	SW	3	c	3	-	-	50	35	bc	bc	bc	9.8	
Nairn	30.17	48	SW	1	bc	-	30.14	-	32	-8	-	0	m	0	-	-	54	29	bc	bc	bc	9.8	
Aberdeen	30.23	45	SSW	3	b	-	30.20	-0.1	39	+5	S	2	b	2	-	-	54	33	bc	bc	bc	9.6	
Leith	30.26	47	SSW	2	b	-	30.18	-0.3	34	+1	W	1	of	1	-	-	51	31	bc	bc	bc	9.6	
North Shields	30.29	44	ESE	3	bc	-	30.24	-0.2	36	+2	SW	1	o	3	-	-	52	30	bc	bc	bc	7.8	
Spurn Head	30.31	41	ESE	4	b	-	30.17	-0.4	41	+2	SE	5	bc	4	-	-	46	37	bc	bc	bc	6.5	
Yarmouth	30.36	42	E	2	o	-	30.19	-0.5	42	+1	E	2	bc	2	-	-	45	40	o	o	bc	0.0	
Clacton-on-Sea	30.31	42	E	2	c	-	30.11	-0.4	43	+5	ESE	3	bc	2	-	-	45	38	og	og	bc	0.0	
Nottingham	30.30	43	E	2	o	-	30.15	-	39	+6	E	3	o	1	-	-	48	32	bc	bc	bc	3.6	
Bath	30.25	46	E	1	o	-	30.07	-	36	+2	E	3	o	1	-	-	49	34	bc	bc	bc	4.5	
London (New Obsy.)	30.29	43	E	4	o	-	30.09	-0.6	40	+1	NE	3	om	1	-	-	45	38	bc	bc	bc	0.1	
Isafjord	29.12	36	SW	6	o	-	29.84	+0.7	30	-1	-	0	c	-	-	-	-	-	-	-	-	GALES.	
Reykjavik	29.32	36	SE	3	b	-	29.56	+0.4	31	-1	E	3	b	-	-	-	-	-	-	-	-	Duration and Extreme Force on British Coasts.	
Vestmanna	29.50	37	SW	6	b	-	29.70	+0.1	33	-1	SW	4	b	3	-	-	-	-	-	-	-		
Seydisfjord	29.43	43	W	4	b	-	29.76	+0.4	31	-5	-	0	b	-	-	-	-	-	-	-	-		
Thorshavn	29.84	46	SW	6	r	-	29.47	+0.4	41	-7	-	0	o	-	-	-	-	-	-	-	-		
Haparanda	29.74	22	SW	4	s	-	29.63	+0.1	33	+26	SW	2	o	-	-	-	34	7	-	-	-		
Hernösand	30.04	37	S	2	bc	-	30.06	-0.1	45	+19	SSW	2	b	-	-	-	45	25	-	-	-		
Stockholm	30.23	25	WSW	2	b	-	30.26	+0.1	37	+4	W	2	b	-	-	-	41	32	-	-	-		
Wisby	30.26	35	-	0	b	-	30.34	+0.2	37	+1	W	2	b	-	-	-	37	32	-	-	-		
Kadstad	30.25	26	WSW	2	b	-	30.29	+0.2	33	+2	-	0	b	-	-	-	46	28	-	-	-		
Färder (X'lena Fjord)	30.27	39	WSW	2	b	-	30.28	+0.0	40	+5	S	1	b	-	-	-	40	34	-	-	-		
Bodö	29.61	41	SSW	8	o	-	29.71	+0.1	36	+12	WSW	5	r	3	-	-	47	41	bc	bc	bc	7.4	
Christiansund	30.07	46	SW	5	r	-	30.12	-0.4	44	+4	SW	3	c	4	-	-	47	39	bc	bc	bc	3.9	
Skudesuaes	30.37	40	SE	2	b	-	30.33	-0.1	39	+1	ESE	2	b	2	-	-	43	36	bc	bc	bc	3.6	
The Scaw (Skagen)	30.33	38	W	3	b	-	30.34	0.0	40	+1	WSW	3	b	0	-	-	43	36	bc	bc	bc	3.6	
Blaavands Huk	30.41	37	N	1	b	-	30.40	0.0	33	-6	SSE	1	b	1	-	-	63	25	bc	bc	bc	2.5	
Cuxhaven	30.38	41	N	2	b	-	30.35	-0.1	38	-3	E	3	b	-	-	-	43	36	bc	bc	bc	3.6	
The Helder	30.37	43	NE	4	b	-	30.33	-0.05	41	0	R	3	b	1	-	-	43	39	bc	bc	bc	3.9	
Brussels	30.26	41	E	2	b	-	30.08	-0.6	36	-3	ENE	2	b	-	-	-	51	33	bc	bc	bc	3.3	
Berlin	30.36	46	E	1	b	-	30.40	0.0	36	0	SE	2	b	-	-	-	50	34	bc	bc	bc	3.4	
Frankfurt	30.28	42	NE	1	b	-	30.18	-0.6	37	-3	NE	2	b	-	-	-	50	34	bc	bc	bc	3.4	
Munich	30.26	41	E	4	bc	-	30.18	-0.3	40	+3	E	4	o	-	-	-	46	32	bc	bc	bc	3.2	
C. Gris Nez	30.26	42	ENE	5	bc	-	30.05	-0.4	38	-1	E	4	bc	2	-	-	48	36	bc	bc	bc	3.6	
La Hève	30.16	46	NE	3	o	-	29.95	-	41	+4	E	3	c	2	-	-	50	37	bc	bc	bc	3.7	
Brest (St. Mathieu)	30.12	49	E	3	bc	-	29.90	-	44	+3	ENE	4	c	2	-	-	52	39	bc	bc	bc	4.1	
Lorient (Bec Molen)	29.99	52	N	2	c	-	29.86	-	45	0	E	3	bc	2	-	-	59	41	bc	bc	bc	4.1	
Rochefort (Ile d'Al)	29.97	55	E	3	bc	-	29.81	+0.4	45	+2	ENE	3	c	1	-	-	63	43	bc	bc	bc	4.3	
Biarritz	29.89	56	E	2	c	-	29.74	+0.3	46	+6	S	2	o	1	-	-	59	40	bc	bc	bc	4.0	
Paris	30.14	50	NE	3	b	-	29.96	+0.2	41	+4	NNE	1	o	-	-	-	58	37	bc	bc	bc	3.7	
Beaufort	30.17	46	ENE	4	o	-	30.02	-	38	-1	ENE	6											

* Information for these columns not usually received.

† Received too late for insertion in Charts.

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 25TH MARCH.



GENERAL INFERENCE

WEATHER PROSPECTS.

The recent anticyclone is moving slowly eastward, and the barometer is falling

in most regions, but no important change in the general weather conditions is expected within the coming twenty-four hours.

FORECASTS FOR THE 24 HOURS NOON WEDNESDAY TO NOON THURSDAY.

0 {
a
b
1

Light southerly to westerly breezes; cloudy to fine, local mist; moderate temperature

2 {
a
b

Moderate to light Easterly

3

to South Easterly breezes; cloudy

4 {
a
b

to fine, local mist, rather

5

cold, night frost in places.

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Coast	South Coast
North Coast	North Coast

NO WARNINGS ISSUED.

6 {
a
b

7 {
a
b

8 {
a
b

9 {
a
b

10 {
a
b

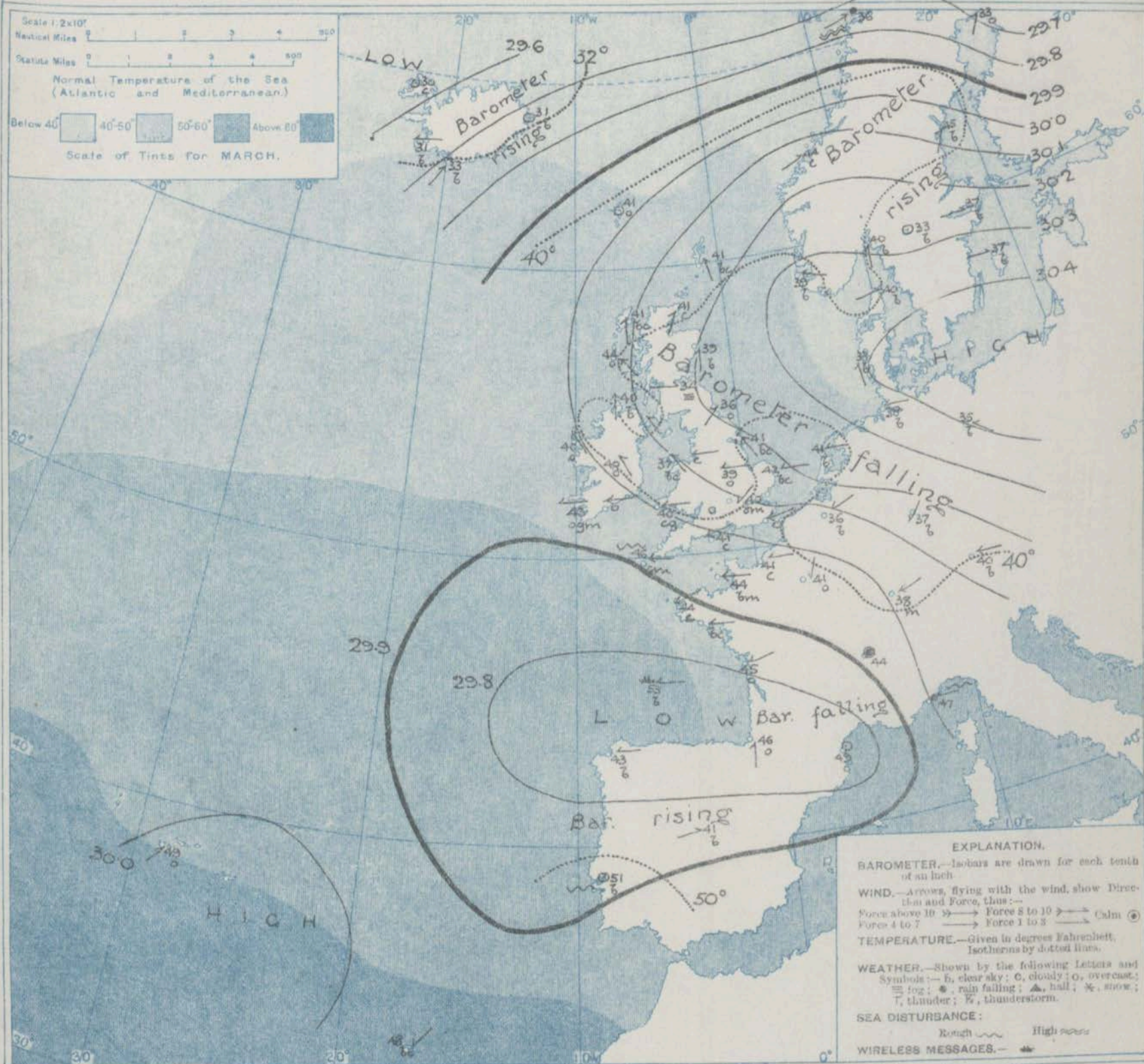
Same as Nos. 2 to 5.

11 WESTERN CHANNEL AND BAY.

Moderate to light Easterly and South Easterly breezes; sea moderate to smooth; cloudy to fine, some mist; rather cold.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. WEDNESDAY, 26TH MARCH 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

In a high pressure system centred over North Germany and the Baltic the barometer is at 30.4 in. In a depression between Iceland and Spitzbergen pressure is at 29.4 in. and in another over northern Spain it is at 29.4 in. The gradient is moderate to slight generally.

Southerly to easterly breezes prevail over Scotland and the Northern countries, Easterly to South Easterly elsewhere. Few stations report so much as a moderate breeze. At the home stations temperature ranges from 32° at Nain to 46° at Seilly; on the Continent from 35° at Berlin to 51° at Lisbon; in

Scandinavia from 33° at Haparanda and Karlstad to 45° at Åremsand; and in Iceland from 30° to 33°. At Spitzbergen it is -4° on the Bay of Biscay the temperature of the air and of the sea water is 53°. Rain is falling at Nice, Lyons, and Bodo and the atmosphere is foggy on the Irish of South, otherwise fair to very fine weather prevails. The sea is moderate to very smooth on all coasts.

DAILY WEATHER REPORT.

Wednesday, 26th March, 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
26th 7 a.m.	46° 15'	7° 10'	H.M.S. Dry bulb 53°. Wet bulb 51°. Sea temperature 53°. Sea Disturbance 2.		29.77	-.01	E	2	b.	25th 7 a.m.	48° 16'		Marquette	H	30.08	+.03	S	4-5	b.
25th 6 p.m.	49°	13°	Marquette	H	30.02	-.04	ESE	4-5	b.										

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.	Oban	In.	52	35	b, bc	b	3.0	England, S.E.	Margate	In.	47	40	c	c, bc	3.0
	Stonehaven	-	50	34	b	b	9.3		Ramsgate	-	47	30	x	x	4.0
	St. Andrews	-	50	34	b	b	9.3		Deal	0.04	48	41	cp, o	bc	4.5
	Carnoustie	-	48	29	x, bc	b	6.7		Folkestone	-	49	40	bc	bc	2.2
England, N.E.	Harrogate	-	50	37	bc	bc	10.0	England, S.W.	Littlestone	0.04	48	36	op, bc	b, bc, b	4.6
	Scarborough	-	49	29	bm	bm	5.1		Hastings	0.02	48	37	bc	b, bc	4.1
	Blackpool	-	50	31	bm, b	b	8.0		Bexhill-on-Sea	-	48	36	b, bc	bc, b, q	4.3
	Southport	-	48	28	bc	bc	5.8		Eastbourne	-	50	34	b, bc	bc	6.2
England, N.W.	Buxton	-	49	30	bc	bc	8.8	England, S.W.	Seaford	-	49	37	bc, c	bc	4.2
	Matlock	-	49	30	bc	bc	8.8		Brighton	-	49	36	bc	bc, c	3.0
	Douglas	-	49	30	bc	bc	8.8		Worthing	-	47	42	o	o	2.0
	Rhyl	-	51	32	bc, b	b	9.2		Liddlehampton	-	48	38	b, bc	o, c, bc	4.7
Wales.	Colwyn Bay	-	51	34	b	b	8.8		Bognor	-	49	32	b	bc, c, o	8.5
	Llandudno	-	52	29	b	b	8.2		Southsea	-	49	36	b	b	9.3
	Bettws-y-Coed	-	48	34	bc, b	bc, o	8.3		Bournemouth	-	48	35	bc, b	b	7.1
	Aberystwyth	-	46	36	o	o, cv	0.0		Weymouth	-	49	38	bc	b	5.6
England, E.	Lowestoft	-	45	35	eg	eg	0.2		Teignmouth	-	49	38	bc	b	3.9
	Felixstowe	-	44	40	o, bc, v	o	0.1		Torquay	-	48	34	b, bc	bc	4.4
	Walton-on-Naze	-	48	34	o, bc	bc	3.7		Paignton	-	50	39	b, bc	bc, b	3.5
	Southend-on-Sea	-	48	34	o, bc	bc	3.7		Ilfracombe	-	51	39	bc, b	b, bc	
									Weston-super-Mare	-					

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain-fall.	WEATHER.			Sun-shine for Yesterday.	STATIONS.	RAIN-FALL.	TEMPERATURE.			WEATHER.			Sun-shine for Yesterday.		
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.		Min. on Grass.		Fore-noon.	After-noon.	Night.				In Screen.	Night Min. on Grass.	Night.	Fore-noon.	After-noon.				
			Max.	Min.		Max.												Min.			
			24 HOURS ENDED 9 A.M. TO-DAY.																		
Greenwich (Royal Obs.) ...	71	86	47	35	26	-	4p	o	ox	0.6	Dublin to 4 p.m.	-	52	34	30	bx	bc	bc	7.9		
City (Bun' ill Row) ...	*	*	*	*	*	*	*	*	*	0.1	Plymouth to 9 p.m.	-	60	35	21	bc	b	bc	7.9		
Westminster (St. James's Pk.)	84	93	46	39	29	-	sm	bc	bm	0.1	Darwen	-	47	32	31	bc	bc	bc	7.7		
Camden Sq. (Brit. Rainfall)	70	84	47	34	26	-	o	bc	bc, o	0.2	Manchester	trace	50	30	*	bc	bc	bc, b	6.3		
Hampstead (Reservoir) ...	*	91	43	36	22	-	c	bc	c	0.1	Birmingham	-	45	35	16	c, o	o	c, o	4.9		
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETER DURING YESTERDAY.										Oxford to 8 p.m.	-	47	30	24	bm, sm	cm, bc	c, o	
			Total.		Average Rate.		Max. Rate.														
S. Kensington (Roof of M.O.)	65	86.	385 Joules.		8.7 Milliwatts.		24 Milliwatts.		0.0		S. Kensington (Museum Grounds to 5 p.m.)	-	45	34	21	o	ogm	o			

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

26th & 27th March 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 5.45 5.42	G.M.T. 11.59 11.59	G.M.T. 6.13 6.15
Greenwich	G.M.T. 5.51 5.50	G.M.T. 12.6 12.6	G.M.T. 6.20 6.21
Wick	G.M.T. 6.1 5.58	G.M.T. 12.13 12.13	G.M.T. 6.26 6.28
Valencia	G.M.T. 6.33 6.31	G.M.T. 12.47 12.47	G.M.T. 7.1 7.3

Over England generally temperature remained below 50° yesterday; other districts were milder, temperature rising to 54°. Locally in the south-east of England there was no bright sunshine, but as a rule the records in other districts were very good, up to 10½ hours at Holyhead. As far west as the 20th meridian ships experienced light to moderate southerly breezes, and fair weather.

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.

12.27.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

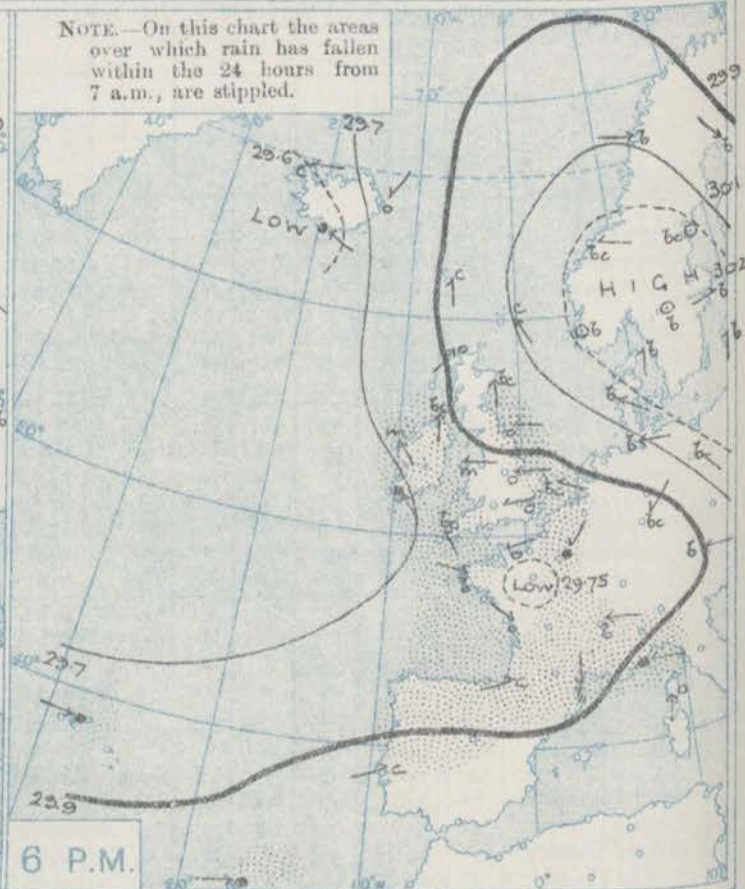
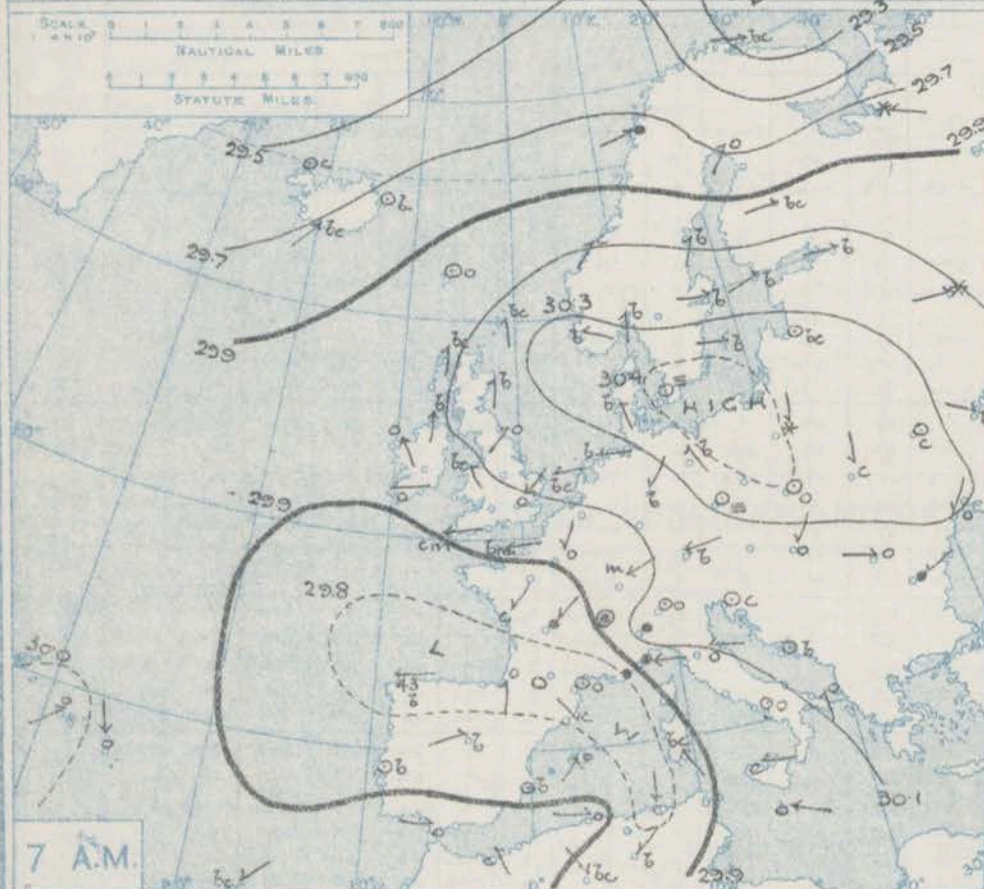
Thursday,
27th March, 1913.

STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
	BAROM.		TEMP.		WIND.	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.			
	At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Dirac.	Force (0 to 12).			At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						Dirac.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.		
Spitzbergen	29.82	-19	SE	2	b	30.07	+0.26	-18	-14	-	0	S	-	-	?	-17	-22	-	-	-	Hours
Lerwick	30.10	42	SE	5	c	29.94	-0.3	41	0	E	5	c	3	-	47	40	bc	c	c	6.0	
Stornoway	29.91	44	SW	4	o	29.78	-0.4	38	-3	SE	2	bc	2	-	48	35	bc	b, o, c	c, b, o, c	5.5	
Castlebay (Barra Isd.)	29.86	42	SE	5	om	29.68	-0.4	42	-2	E	4	o	5	-	46	40	o, ch	c, om	om		
Malin Head	29.82	42	S	4	bcy	29.61	-0.2	38	-2	S	5	bcy	?	trace	?	38	om, b	om	om, b		
Blackod Point	29.73	47	SE	4	m	29.46	-0.6	43	+3	SE	6	c	4	trace	47	39	om	om	om		
Valencia	29.67	46	SE	4	op	29.41	-0.6	47	+4	SE	5	op	4	0.28	51	43	cy	op	op	2.5	
Roche's Point	29.76	46	S	5	c	29.54	-	47	+3	E	4	c	4	0.07	47	44	cy	cy, m	cy, c		
Birr Castle	29.76	47	SE	3	o	29.56	-	42	+2	SE	2	c	-	0.02	50	39	c	c, o	op	3.9	
Donaghadee	29.90	45	ESE	4	c	29.70	-0.3	40	-1	ENE	4	c	3	-	46	40	cy	cy	bc, cy		
Liverpool Obsy.	29.88	45	E	3	bc	29.71	-0.4	38	0	E	2	o	2	-	48	38	bc	bc, m	om	3.1	
Holyhead	29.83	47	E	3	m	29.69	-0.1	37	0		0	m	0	-	47	37	bcy	bc, m	bc, m	5.2	
Pembroke (St. Ann's Hd.)	29.79	47	ESE	3	b	29.66	-0.3	44	+4	SE	3	om	2	trace	51	39	cy	bc, m	bc, m	7.0	
Newquay	29.78	47	SE	3	bcy	29.64	-0.1	46	+4	E	1	bcy	3	-	51	39	bcy, by	by	by, bc, by	7.6	
Scilly (St. Mary's)	29.77	48	SE	3	bc, m	29.63	-0.4	47	+1	SSE	4	bc, m	4	trace	51	44	bc, m	bc, m	bc, m	6.6	
Jersey (St. Aubin)	29.76	51	ENE	3	om	29.76	-	44	0	SW	2	om	2	-	55	43	bc, m	c, om	bc, m	8.4	
Portland Bill	29.79	47	E	4	c	29.73	-0.0	42	+1	-	0	bcy	2	-	49	40	bc	bc	bc		
Dungeness	29.77	47	NE	3	T	29.68	+0.1	43	+1	WSW	3	m	2	0.21	49	41	c, o	c, o, r	or, c		
Dover	29.81	45	NE	1	T	29.69	-	43	0	NW	1	m	2	0.22	49	42	bc	bc, c, o, r	or, c, o, r	5.1	
Wick	29.99	45	S	5	c	29.83	-0.5	41	0	SSE	5	o	5	-	44	38	om	om	om, o		
Nairn	29.96	42	-	0	c	29.78	-	38	+6	SSE	1	o	1	-	56	30	cy	cy	30	6.6	
Aberdeen	30.04	40	SSE	4	bc	29.80	-0.5	41	+2	ESE	3	c	2	-	44	38	b, bc	c, o, bc	bc, c	5.6	
Leith	29.99	40	SE	3	c	29.75	-0.6	40	+6	E	2	op	-	trace	45	33	c, o	c, o	o		
North Shields	29.98	41	E	3	o	29.74	-0.0	42	+6	NE	2	op	3	trace	44	34	c, o	c, o	or	2.4	
Spurn Head	29.89	42	E	5	o	29.67	-0.2	42	+1	E	2	or	4	0.03	45	40	c, o	c, o	or	5.3	
Yarmouth	29.87	44	ESE	3	bc	29.66	-0.2	43	+1	ESE	1	T	4	0.09	47	30	bc	bc	bc, m	6.1	
Clacton-on-Sea	29.83	45	NNE	2	o	29.66	-0.0	42	-1	W	2	o	1	0.09	47	42	bc	bc, c, o, p	or, c, o	4.2	
Nottingham	29.89	43	E	4	o	29.71	-	41	+2	NNW	1	dm	-	0.18	48	39	c, c	c, o	or	2.4	
Bath	29.83	49	E	2	o	29.74	-	34	-2	-	0	m	-	-	53	34	-	-	-	6.6	
London (Rex Obsy.)	29.84	45	ENE	3	om	29.71	-0.0	41	+1	WSW	1	om	-	0.17	49	39	om, om	c, om	om, r	0.7	
Isafjord	29.60	36	E	5	c	29.46	+0.1	35	+5	E	2	o	-	-	-	-	-	-	-		
Reykjavik	29.44	35	E	3	S	29.32	-0.0	38	+7	E	3	o	-	-	-	-	-	-	-		
Vestmanna	29.53	36	ESE	7	T	29.37	-0.1	41	+8	SE	8	c	3	-	-	-	-	-	-		
Seydisfjord	29.78	39	NE	3	o	29.60	-0.0	41	+10	SSW	1	c	-	-	-	-	-	-	-		
Thorsbavn	29.94	44	S	3	c	29.80	-0.1	42	+1	SSE	7	o	-	-	-	-	-	-	-		
Haparanda	29.92	34	NW	4	b	30.21	+0.7	33	0	NNW	4	b	-	-	46	30	-	-	-		
Hernösand	30.22	44	-	0	bc	30.36	+0.4	38	-7	N	2	b	-	-	55	32	-	-	-		
Stockholm	30.22	41	WSW	2	b	30.27	+0.2	43	+6	ENE	4	b	-	-	52	36	-	-	-		
Wisby	30.27	38	S	2	b	30.08	-0.1	39	+2	SSW	2	b	-	-	45	34	-	-	-		
Karlstad	30.23	35	-	0	b	30.28	-0.0	34	+1	-	0	b	-	-	36	28	-	-	-		
Færder (X'ania Fjord)	30.23	39	SSE	2	b	30.21	+0.1	33	-7	NNE	2	f	-	-	41	32	-	-	-		
Bodö	30.10	40	W	5	b	30.32	+0.7	36	0	SSW	1	b	-	-	41	34	-	-	-		
Christiansund	30.23	42	ESE	3	bc	30.14	-0.4	39	-5	ESE	3	b	-	-	46	37	-	-	-		
Skudesnaes	30.21	40	-	0	b	30.03	-0.1	38	-1	E	2	b	-	-	45	34	-	-	-		
The Scaw (Skagen)	30.25	41	S	2	b	30.17	-0.1	40	0	E	2	b	-	-	48	37	-	-	-		
Blaavands Huk	30.14	38	ESE	4	b	30.02	-0.2	38	+5	ESE	4	c	-	-	46	32	-	-	-		
Cuxhaven	30.09	43	E	5	b	29.96	+0.2	36	-2	E	5	b	-	-	48	36	-	-	-		
The Helder	29.90	48	ENE	4	bc	29.74	-0.1	41	0	ESE	4	o	-	-	52	41	-	-	-		
Brussels	29.75	51	ESE	2	o	29.70	+0.1	47	+11	SSW	2	r	-	0.08	57	36	-	-	-		
Berlin	29.17	44	SE	3	b	30.06	-0.1	34	-1	E	3	b	-	-	52	32	-	-	-		
Frankfurt	29.84	49	NE	3	bc	29.86	+0.1	42	+5	NE	1	c	-	-	59	37	-	-	-		
Munich	29.88	41	E	6	b	29.89	+0.1	44	+4	SW	4	o	-	-	52	36	-	-	-		
C. Grs Nez	29.78	45	NE	1	T	29.71	+0.1	44	+6	WSW	4	T	2	0.28	48	38	-	-	-		
La Hève	29.76	45	E	2	m	29.75	-	41	0	W	3	f	3	0.26	50	37	-	-	-		
Brest (St. Mathieu)	29.80	52	WNW	2	b	29.75	-0.1	48	+4	SSE	4	bc	3	0.04	61	44	-	-	-		
Lorient (Bec Melen)	29.76	50	W	3	b	29.75	-	48	+5	S	3	c	2	0.08	59	41	-	-	-		
Rocheport (Ile d'Aix)	29.76	51	NW	3	o	29.66	+0.1	47	+2	S	3	c	-	-	55	45	-	-	-		
Biarritz	29.81	54	WSW	2	bc	29.56	-0.1	53	+7	SE	3	b	-	-	55	45	-	-	-		
Paris	29.74	47	N	2	T	29.78	+0.8	44	+3	SW	3	T	-	0.43	51	41	-	-	-		
Belfort	29.77	49	E	4	m	29.90	-	45	+7	WSW	7	o	-	-	51	38	-	-	-		
Lyons	29.86	48	-	0	bc	29.97	-	47	+3	-	0	bc	-	-	49	41	-	-	-		
Nice	29.93	49	E	1	T	29.93	-0.1	48	+1	-	0	b	-	-	58	43	-	-	-		
Perpignan	29.87	51	N	1	b	29.98	+0.6	43	-6	SW	1	b	-	-	62	37	-	-	-		
Sanguinaire	30.00	53	S	4	o	30.02	-	54	+2	SE	2	m	-	-	57	46	-	-	-		
Corunna (8 a.m.)																					
Lisbon (9 a.m.)	29.99	53	WSW	2	c	29.89	-0.2	56	+5	SSW	3	o	5	0.04	59	50	-	-	-		
Gibraltar																					
Azores (P. Delgada)																					
Azores (Horta)	29.80	60	W	5	T	29.84	+0.8	56	+6	WSW	4	bc	3	0.28	63	49	-	-	-		
Madeira (Funchal)	29.97	60	W	4	T	30.00	+0.3	59		W	4	c	3	trace	62	46	-	-	-		

* Information for these columns not usually received.

† Received too late for insertion in Chart.

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 26TH MARCH.



NOTE.—On this chart the areas over which rain has fallen within the 24 hours from 7 a.m., are stippled.

GENERAL INFERENCE

A depression over our Eastern Counties is likely to disperse, and the

WEATHER PROSPECTS.

whole country will come under the influence of a large disturbance spreading in from the Atlantic.

FORECASTS FOR THE 24 HOURS NOON THURSDAY TO NOON FRIDAY.

0 {
a
b

1

2 {
a
b

3

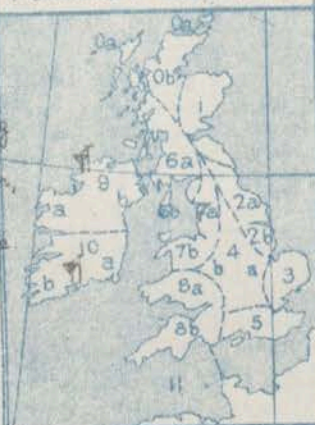
4 {
a
b

5

Light to moderate E.^{ly} breezes at first, then veering S.^{ly} and freshening somewhat; cloudy to dull, some rain, fair intervals; moderate temperature.

Calm and light variable breezes, becoming S.E.^{ly} and S.^{ly} and freshening; cloudy to dull, some rain and mist, fair intervals; moderate temperature.

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone. ✓	South Cone. ✓
North Cone. ✓	North Cone. ✓

South Cone hoisted at 8.15 a.m.

6 {
a
b

7 {
a
b

8 {
a
b

9 {
a
b

10 {
a
b

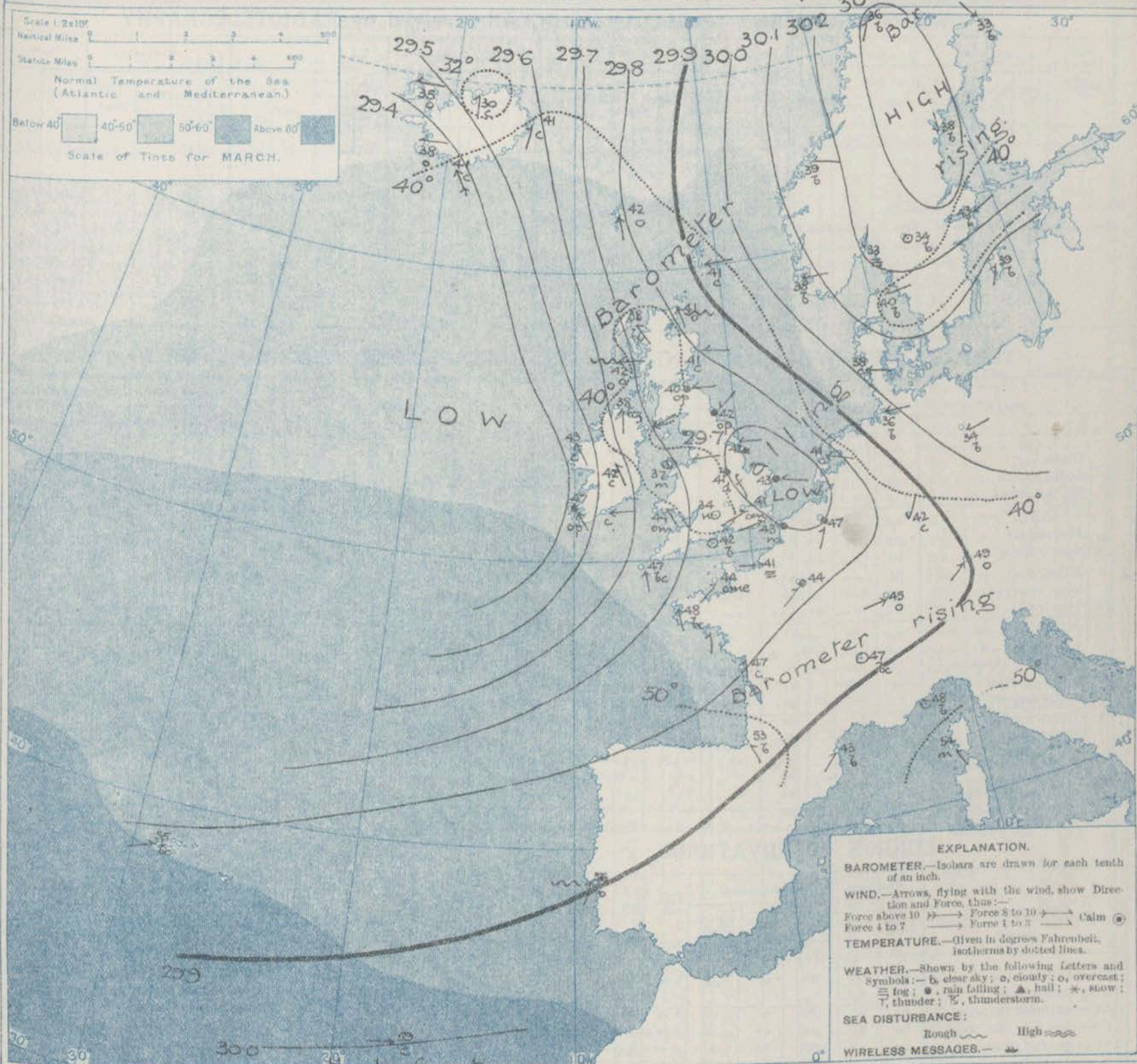
Freshening S.E.^{ly} and S.^{ly} winds; cloudy to dull, some rain and mist, fair intervals; moderate temperature.

Increasing S.E.^{ly} and S.^{ly} winds, strong to a gale locally on coast; cloudy to dull, some rain and mist, fair intervals; moderate temperature.

11 WESTERN CHANNEL AND BAY. Increasing S.E.^{ly} and S.^{ly} winds; sea slight to rather rough; changeable, some rain, mist or fog; moderate temperature.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. THURSDAY, 27th MARCH 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The distribution of pressure has undergone considerable changes within the past 24 hours. The anticyclone has passed to Northern Scandinavia, with the barometer above 30.3 in. The Spanish depression has arrived over our eastern counties with the barometer below 29.7 in. A new and very extensive depression occupies the northern half of the Atlantic, the barometer having fallen below 29.4 in. off Kerry and the south of Ireland. The gradient is moderate to slight.

There is a complete cyclonic circulation of very weak breezes round the Eastern Counties depression.

Elsewhere the wind is mainly E^{ly} to S^{ly}, varying greatly in strength, mostly light, but strong on the coast of Mayo, a high wind in the Vosges and in the Saône, a gale off the south of Iceland.

Over the British Isles temperature ranges from 34° at Bath to 46° or 47° on the southwestern coasts; on the continent from 34° at Berlin to 56° at Liabon; in Scandinavia from 33° at Haparanda to 43° at Stockholm; and in Iceland from 30° to 41°. At Spitzbergen the reading is 18° below zero. The weather is fine and clear over Southern France, North Germany and Scandinavia. In other regions it is mostly very cloudy to overcast and dull, rain falling over Eastern England, in Kerry and Belgium.

DAILY WEATHER REPORT.

Thursday, 27th March 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR	POSITION.		NAME OF SHIP.	O=Outward. H=Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O=Outward. H=Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
26th 6 p.m.	48°20'	5°38'	H.M.S.		29.78		E	2	c										
Dry bulb 56° Wet bulb 51° Sea Temperature 51° Sea Disturbance 2. Weather becoming Ruzzy																			

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.	Oban	In.	47	37	bc, o, c	bc, c	1.0	England, S.E.	Margate	In.	48	41	b	bc, or	4.2
	Stonehaven	-	46	30	b	b	3.2		Ramsgate	-	47	46	*	*	2.7
	St. Andrews	-	46	30	b	b	3.2		Deal	0.05	48	41	cm, bc	og, d	5.0
	Carnoustie	-	46	30	b	b	3.2		Folkestone	0.04	50	41	b, bc	bc, or	3.0
England, N.E.	Harrogate	-	45	32	o, c, bc	c, bc, c	1.1	England, S.W.	Littlestone	-	51	38	bc, b	bc, o	2.3
	Scarborough	-	43	37	o, bc	o	2.1		Hastings	-	53	38	o, bc	c, or	1.8
England, N.W.	Blackpool	-	47	31	o, c	o	0.4	England, S.W.	Bexhill-on-Sea	-	49	34	o, b	bc, og	1.0
	Southport	-	48	35	og, bc	o, bc	0.7		Eastbourne	-	52	36	o, c, bc	c, o	0.8
	Buxton	-	43	32	bc	bc	1.2		Seaford	-	53	38	o, c	c, o	0.8
	Matlock	-	43	32	bc	bc	1.2		Brighton	-	52	37	o, c	o	1.0
Wales.	Douglas	-	50	36	b	bc	4.0	England, S.W.	Worthing	-	52	37	o, c	o	1.0
	Rhyl	-	51	40	bc	b, bc	6.0		Littlehampton	-	54	36	bc	c, o	2.3
	Colwyn Bay	-	49	35	b	b	4.4		Bognor	-	54	36	bc	c, o	4.3
	Llandudno	-	50	32	b, bc, b	b	5.8		Southsea	-	55	36	b, bc	o	4.7
England, E.	Bettws-y-Coed	-	52	36	c, bc	bc, o	4.5	England, S.W.	Bournemouth	-	54	37	b	bc, og	6.3
	Aberystwyth	-	47	39	bc, c, o	o, c, o	5.0		Weymouth	-	50	39	bc	bc	2.1
	Lowestoft	-	46	41	o, bc	bc, o	2.9		Teignmouth	-	50	41	b	b	1.6
	Felixstowe	-	45	43	bc, b	o	2.9		Torquay	-	51	39	b	bc, og	7.0
England, E.	Walton-on-Naze	-	49	40	bc, b	b, bc	4.8	England, S.W.	Paignton	-	54	36	b, bc	b	6.6
	Southend-on-Sea	-	49	40	bc, b	b, bc	4.8		Ilfracombe	-	54	36	b, bc	b	6.6
England, E.	Weston-super-Mare	-	54	36	b, bc	b	6.6	England, S.W.	Ilfracombe	-	54	36	b, bc	b	6.6
	Weston-super-Mare	-	54	36	b, bc	b	6.6		Weston-super-Mare	-	54	36	b, bc	b	6.6

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain-fall.	WEATHER.			Sun-shine for Yesterday.
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.		Min. on Grass.		Fore-noon.	After-noon.	Night.	
			Max.	Min.						
			24 HOURS ENDED 9 A.M. TO-DAY.							
Greenwich (Royal Obsy.) ...	68	92	50	41	40	0.19	o, bc	bc, o	or	Hr. 1.8
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	0.5
Westminster (St. James's Pk.)	81	97	50	41	41	0.15	m	mr	me	0.8
Camden Sq. (Brit. Rainfall)	64	91	53	40	39	0.20	o, bc	bc, o	or, o	1.2
Hampstead (Reservoir) ...	*	94	48	39	36	0.21	p, or	o	p, or	1.5
Kew. (See front page.)	VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.									
S. Kensington (Roof of M.O.)	64	94	Total.		Average Rate.		Max. Rate.			0.7
			Joules.		Milliwatts.		Milliwatts.			

Additional Observations for Yesterday.

STATIONS.	RAIN-FALL.	TEMPERATURE.			WEATHER.			Sun-shin for Yesterday.
		In Screen.		Night Min. on Grass.	Night.	Fore-noon.	After-noon.	
		Max.	Min.					
Dublin to 4 p.m.	In.	49	35	31	b, o	o, c	bc	Hr.
Plymouth to 9 p.m.	-	52	40	32	b	bc	b	9.1
Darwen	-	44	33	28	o	og, b	bc, o.	0.3
Manchester	-	47	37	2	bc	c, bc	bc, c, o	1.2
Birmingham	-	46	35	26	o	o	o	0.6
Oxford to 8 p.m.	-	50	36	31	o	o, c, o	o	*
S. Kensington (Museum Grounds to 6 p.m.)	-	50	38	25	o	om	o	*

NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature varied considerably over the British Isles, remaining below 50° in most regions, but touched 55° or 56° in isolated situations. The duration of bright sunshine ranged from less than an hour in some places to 8½ hours at Jersey. A little rain has fallen in several in several districts.

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

27th & 28th March 1913.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	5.42	11.59	6.16
	5.39	11.56	6.17
Greenwich	5.50	12.0	6.22
	5.47	12.5	6.23
Wick	5.58	12.18	6.36
	5.55	12.17	6.40
Valencia	6.31	12.47	7.3
	6.28	12.46	7.4

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. squall; 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.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

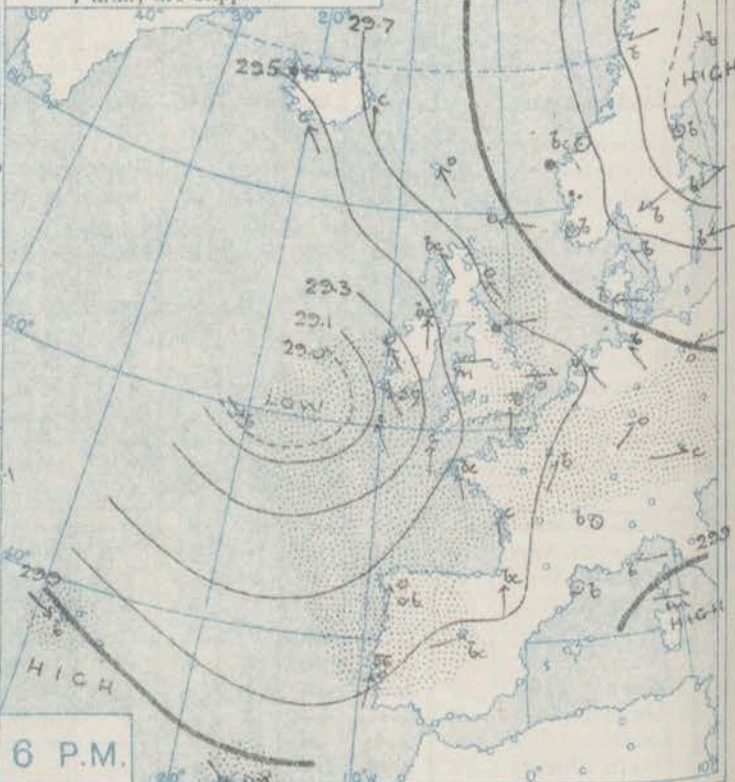
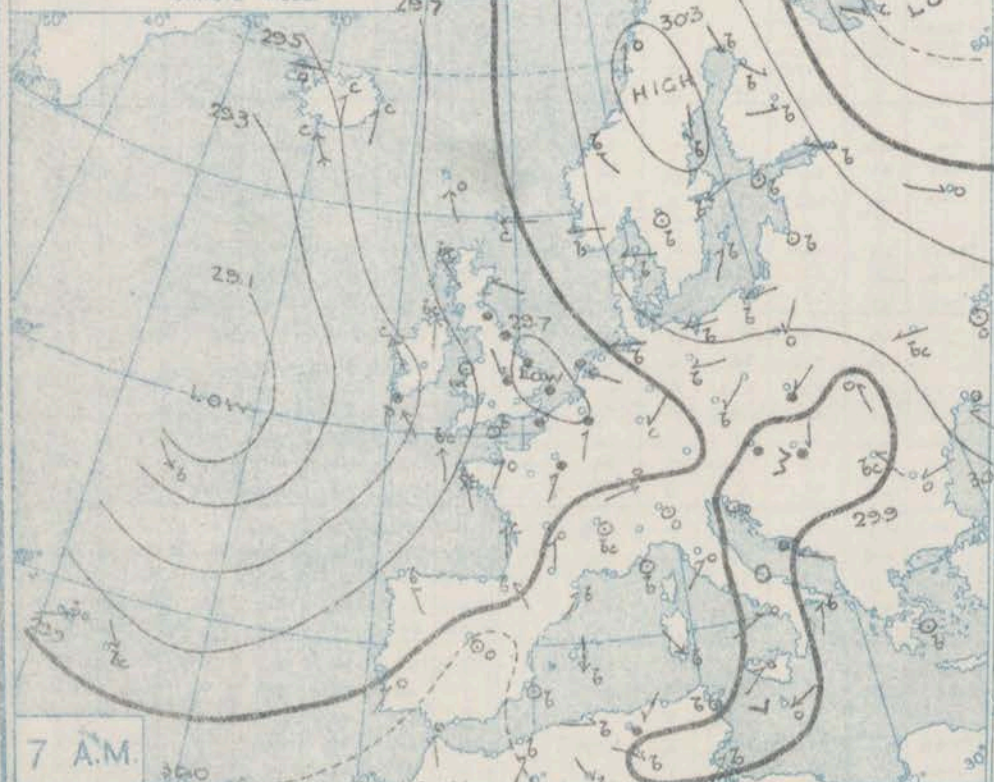
Friday,
28th March, 1913.

STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.	
		BAROM.		TEMP.		WIND.	Force (0 to 12).	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.			
		At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Dir.	Change since 4 a.m.				Dry Bulb.	Change since Yester- day.	Dir.	Max.						Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.		
Spirity Bergen		29.07	23	SE	4	o	29.12	+2	7	+2.5	N	4	b	-	-	-	23	2-18	-	-	-	-	Hours
BRITISH ISLANDS.	Lerwick	29.85	43	ESE	7	o	29.86	00	43	+2	E	5	bc	6	-	45	41	cq	o,cm	cq	6.8		
	Stornoway	29.60	46	SE	3	bey	29.54	-0.3	41	+3	SE	5	bc	4	-	49	37	bey	bey	bey	7.6		
	Castlebay (Barra Isd.)	29.54	46	ESE	4	bcm	29.43	-0.3	44	+2	E	4	o	5	-	48	41	o,bcm	bcm	bcm, o	7.6		
	Malin Head	29.43	47	S	5	bcmq	29.26	-2.07	42	+4	SE	8	mq	4	-	?	37	m	m	m	*		
	Blacksod Point	29.29	49	SE	6	o	29.04	-0.4	46	+3	ESE	6	o	4	Trace	50	42	omq	omq	omq	*		
	Valencia	29.14	51	SE	6	cq	28.92	+0.3	44	-3	SE	3	cp	5	0.02	52	43	opq	o, cq	opq	0.0		
	Roche's Point	29.34	48	SE	5	c	28.97	-	45	-2	ESE	3	o	6	0.36	50	44	c	c	o, o, o	*		
	Birr Castle	29.38	51	SE	4	c	29.08	-	46	+4	SE	4	c	*	-	55	40	c	c	c	4.4		
	Donaghadee	29.56	44	ESE	4	bey	29.34	-0.7	43	+3	ESE	5	c	4	-	47	40	bey	bey	bey	*		
	Liverpool Obsy.	29.59	48	ESE	2	b	29.34	-0.10	41	+3	ESE	4	bc	2	-	51	38	bc	bm	o, c	6.4		
	Holyhead	29.54	47	E	3	m	29.23	-0.05	43	+6	E	6	m	5	-	49	37	bm	bm	bm	8.3		
	Pembroke (St. Ann's Hd.)	29.49	47	SE	3	b	29.06	-0.9	45	+1	ESE	7	rq	5	0.11	51	43	om	bm	b	3.7		
	Newquay	29.47	49	SE	5	b	29.03	-0.3	47	+1	S	5	cp	4	0.24	54	46	bey, b	bm	bey, b	9.0		
	Scilly (St. Mary's)	29.38	49	SSE	5	c	28.99	-0.00	47	0	S	3	cq	5	0.10	54	45	c	c	c	8.2		
	Jersey (St. Aubin)	29.63	52	SE	3	b	29.27	-	49	+5	SSE	4	og	4	0.03	55	44	om, cm	bm, b	bop, o	4.7		
	Portland Bill	29.59	47	S	4	b	29.20	-0.10	47	+5	SE	6	r	6	0.04	51	43	bc	bc	bey, o	*		
	Dungeness	29.65	47	S	2	b	29.37	-0.06	47	+4	ESE	5	c	4	Trace	51	42	bc	bc	z, o, bc	*		
	Dover	29.68	45	WSW	4	b	29.45	-	45	+2	ESE	4	o	4	0.02	50	41	om, bc	bey, b	bey, om	6.2		
	Wick	29.69	42	SE	6	o	29.66	-0.02	42	+1	SE	6	cmq	6	Trace	43	40	o	omq	o, q, om	*		
	Nairn	29.62	43	ESE	2	o	29.57	-	41	+3	E	2	c	1	-	48	35	oy	oy	z, bc	1.0		
Aberdeen	29.71	41	SE	4	o	29.63	-0.02	41	0	ESE	6	o	4	0.10	44	29	c, o	o	or	0.0			
Leith	29.67	41	ESE	1	o	29.48	-0.05	41	+1	E	2	ogd	*	Trace	44	39	op, c	op	c	*			
North Shields	29.67	41	E	2	op	29.50	-0.05	41	-1	E	1	o	3	0.01	44	39	or	op	o, o	0.0			
Spurn Head	29.62	43	ESE	2	l	29.47	-0.06	42	0	ESE	4	m	5	0.06	44	36	or	or	f, bm	0.0			
Yarmouth	29.66	47	W	1	o	29.51	-0.04	43	0	ESE	2	bc	3	0.11	46	41	omr	om	bm	0.1			
Clacton-on-Sea	29.66	46	SE	1	c	29.45	-0.05	46	+4	SE	4	c	3	Trace	52	41	ogp, o	o, c	cy, mg	1.0			
Nottingham	29.65	43	E	2	b	29.43	-	37	-4	E	4	cm	*	0.02	48	33	d, ogm	ogm, bc	bm	0.5			
Bath	29.62	50	S	1	b	29.24	-	47	+3	SE	4	r	*	-	56	38	-	-	-	8.3			
London (Kew Obsy.)	29.64	50	S	3	bm	29.38	-0.06	45	+4	SE	4	orm	*	0.02	54	40	om, bc	bc, bm	bm, om	4.2			
ICELAND & FAEROE.	Isafjord	29.59	40	E	4	r	29.95	+1.0	30	+5	-	0	b	*	*	*	*	GALES. Duration and Extreme Force on British Coasts.					
	Reykjavik	29.43	42	E	3	o	29.78	+0.5	37	-1	E	3	bc	*	*	*	*						
	Vestmanna	29.49	44	SE	7	c	29.76	+0.7	41	0	ESE	6	b	3	*	*	*						
	Seydisfjord	29.72	44	S	1	c	29.91	+0.1	36	-5	-	0	o	*	*	*	*						
	Thorshavn	29.76	43	SE	4	o	29.81	+0.4	42	0	SE	5	c	*	*	*	*						
	SCANDINAVIA.	Haparanda	30.49	26	N	2	b	30.58	+0.1	14	-19	N	2	b	*	-	37						10	Malin Head. 11 p.m.-7 a.m. Ex. SE 8. Scilly. 11 p.m.-3 a.m. Ex. SSE 8. Lisich Signals force 8 in night.
Hernösand		30.46	30	-	0	b	30.52	+0.2	27	-11	N	2	b	*	-	45	23						
Stockholm		30.28	35	RNE	2	b	30.32	+0.1	37	-6	E	6	b	*	-	45	32						
Wisby		30.15	39	E	2	b	30.16	+0.4	38	-1	E	6	bc	*	-	45	34						
Karlstad		30.24	42	RNE	2	b	30.23	+0.0	36	+2	ESE	6	b	*	-	52	32						
Færder (X'ania Fjord)		30.18	44	ENE	4	b	30.06	-0.06	37	+4	NE	6	c	3	-	45	33						
Bodö		30.32	36	E	2	b	30.32	+0.1	37	+1	E	2	b	2	-	39	35						
Christiansund		30.09	47	-	0	bc	30.08	+0.01	47	+8	SE	2	bc	3	-	52	39						
Skudesnaes		30.01	47	-	0	b	29.94	-0.01	41	+3	E	6	b	2	-	50	34						
The Scaw (Skagen)		30.05	42	SE	2	b	29.93	-0.01	39	-1	ESE	6	o	2	-	45	27						
GERMANY, &c.	Blaavands Huk	29.91	36	ESE	5	b	29.75	-0.06	35	-3	E	3	o	1	-	46	30	Lisich Signals force 8 in night.					
	Cuxhaven	29.84	41	SE	3	b	29.70	-0.02	36	0	E	3	o	*	-	45	36						
	The Helder	29.70	43	SE	2	o	29.61	-0.03	43	+2	ESE	2	m	1	-	48	41						
	Brussels	29.73	43	SE	1	b	29.65	-0.04	44	-3	SE	3	c	*	0.04	52	40						
	Berlin	29.68	40	E	2	o	29.52	+0.02	40	+6	SE	3	o	*	Trace	50	34						
	Frankfurt	29.77	45	SW	3	o	29.77	+0.03	39	-3	SW	1	f	*	0.04	50	37						
FRANCE.	Munich	29.86	42	W	2	c	29.83	+0.0	38	+6	SE	3	b	*	0.04	52	32	Lisich Signals force 8 in night.					
	C. Gris Nez	29.69	46	SSW	4	bc	29.44	-0.06	46	+2	SE	4	o	2	0.04	48	43						
	La Hève	29.67	48	SW	1	o	29.44	-	48	+7	SE	4	o	3	0.04	55	41						
	Brest (St. Mathieu)	29.51	52	SSE	5	bc	29.22	+0.07	47	-1	SW	5	c	5	0.04	55	43						
	Lorient (Bec Melen)	29.55	52	S	4	bc	29.22	-	48	0	WSW	5	c	6	0.12	55	45						
	Rochefort (Ile d'Aix)	29.65	55	S	3	c	29.45	+0.06	49	+2	WSW	4	r	*	0.08	57	46						
SPAIN, PORTUGAL, &c.	Biarritz	29.63	61	S	4	bc	29.50	+0.05	56	+2	SSW	5	r	2	-	64	48	Lisich Signals force 8 in night.					
	Paris	29.73	51	SSW	2	b	29.52	-0.02	47	+3	SSE	2	o	*	Trace	57	43						
	Belfort	29.85	49	W	5	bc	29.78	-	39	-6	RNE	3	c	*	-	60	36						
	Lyons	29.81	52	-	0	b	29.69	-	48	+1	SE	1	bc	*	-	60	41						
	Nice	29.83	50	E	2	b	29.58	+0.04	50	+2	-	0	bc	2	-	59	45						
	Perpignan	29.79	53	-	0	b	29.65	+0.0	46	+3	SW	1	c	*	-	60	41						
SPAIN, PORTUGAL, &c.	Sanguinaire	29.97	55	W	1	m	29.97	-	54	0	ESE	3	m	2	-	64	48	Lisich Signals force 8 in night.					
	Corunna (8 a.m.)	29.86	54	SSW	6	o	29.45	0	47	0	SSW	3	bc	3	0.05	59	43						
	Lisbon (9 a.m.)	29.63	56	SSW	7	o	29.62	-0.02	53	-3	SW	3	o	3	0.23	59	52						
	Gibraltar	29.99	58	W	4	b	29.83	-	59	-	W	7	c	3	-	66	58						
SPAIN, PORTUGAL, &c.	Azores (P. Delgada)	29.92	53	NW	4	b	29.84	-0.02	52	-3	NW	4	o	4	0.12	61	50	Lisich Signals force 8 in night.					
	Azores (Horta)	29.92	53	NW	4	r	29.78	-0.01	52	+3	NW	4	T	4	0.75	64	52						
	Madeira (Funchal)	29.97	63	NW	4	r	29.78	-0.01	52	+3	NW	4	T	4	0.75	64	52						

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 27TH MARCH



NOTE—On this chart the areas over which rain has fallen within the 24 hours from 7 a.m., are stippled.



GENERAL INFERENCE

WEATHER PROSPECTS.

A very deep cyclonic system centred beyond the southwest of Ireland will occasion

a rough type of weather all over the British Isles.

FORECASTS FOR THE 24 HOURS NOON FRIDAY

TO NOON SATURDAY.

- 0 {
a
b
- 1
- 2 {
a
b
- 3
- 4 {
a
b
- 5

E^{ly} and S.E.^{ly} winds, veering S.^{ly} and S.W.^{ly} later, strong to a gale in many places; gusty, some rain, local mist, fair intervals; mild.

FORECAST DISTRICTS.



STORM WARNINGS.

The Cones upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone	South Cone
North Cone	North Cone

S. Cone hoisted at 7.5 p.m. yesterday in District 8, and at 9.10 a.m. today on remaining coast.

- 6 {
a
b
- 7 {
a
b
- 8 {
a
b
- 9 {
a
b
- 10 {
a
b

Same as Nos. 0 to 5.

5^{ly} winds, veering S.W.^{ly}, strong to a gale at times; gusty, some rain, local mist or fog, fair intervals, mild.

Same as Nos. 0 to 7.

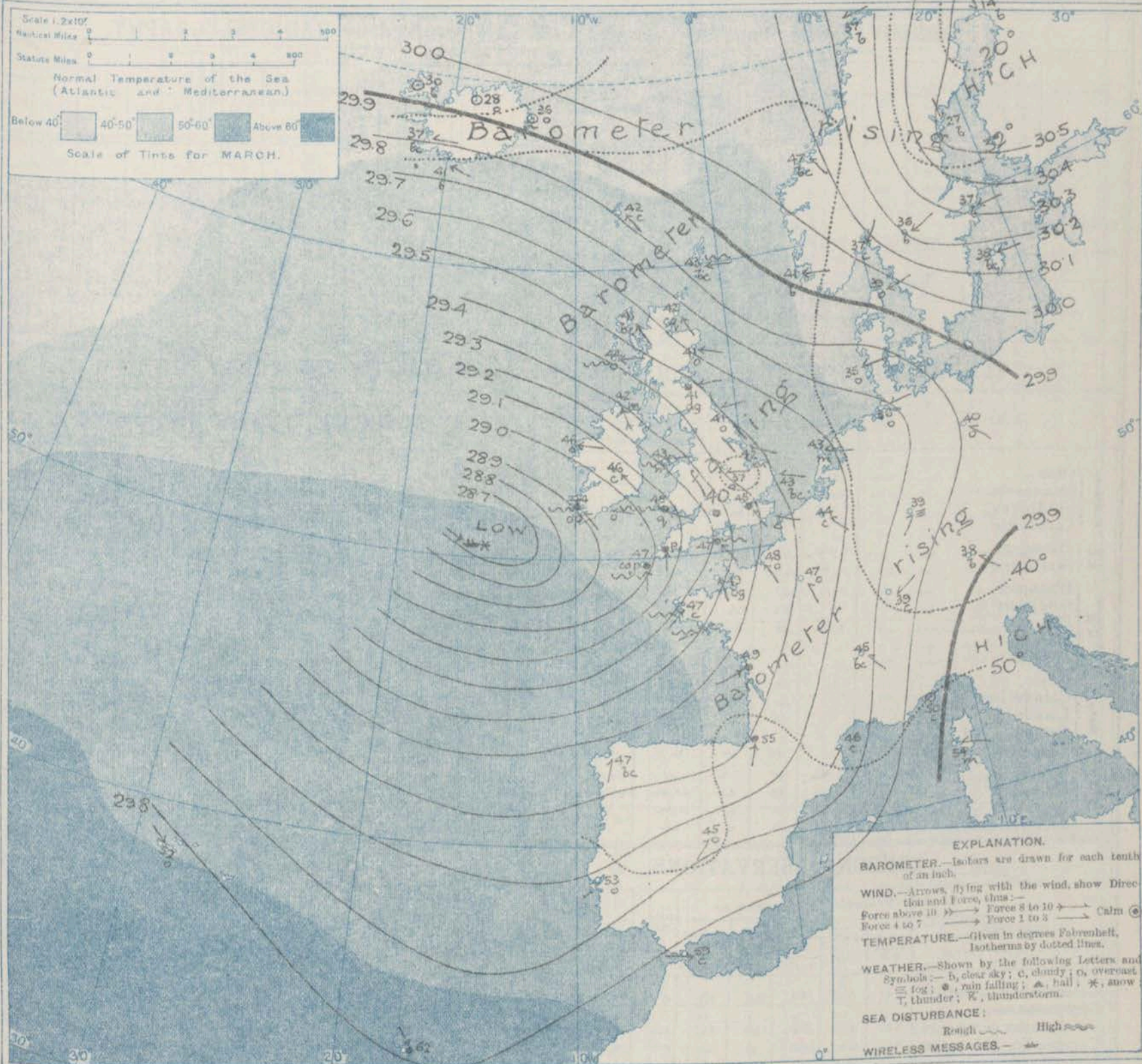
11 WESTERN CHANNEL AND BAY.

S.^{ly} to S.W.^{ly} winds, strong to a gale at times; rough sea, heavy S.W. swell, squally, some rain, mist or fog; fair intervals; mild.

THE FURTHER OUTLOOK. (all Districts)

The unsettled type will continue.

SYNOPTIC CHART FOR 7 A.M. FRIDAY, 28TH MARCH 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

An area of high pressure covers Northern Europe and Spitzbergen, the barometer being above 30½ in. over Ireland and Lapland. The rest of our area is covered by a very extensive cyclonic system, the centre of which, with pressure below 28.7 in., lies about 200 miles to the westward of the Kerry Coast. The gradient is considerable in most regions.

South-westerly to Westerly winds prevail over the Bay of Biscay and to the westward, Easterly to South-Easterly in nearly all other parts of our area. The force varies from a light breeze to a strong wind, and Malin Head reports a gale. Over the British Isles

temperature ranges from 34° at Nottingham to 49° at Jersey, on the Continent from 36° at Cuxhaven to 55° at Lissitz, and 59° at Gibraltar; in Scandinavia from 14° at Haparanda to 44° at Christianund; and in Iceland from 23° to 41°. At Spitzbergen the reading is 7°. Fine, clear weather prevails over Scandinavia and in Spitzbergen, but generally it is very cloudy to dull or gloomy, rain falling in various parts of this country, and over South-western France, snow near the centre of the disturbance.

DAILY WEATHER REPORT.

Sunday, March 28th 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
28th. 7 a.m.	50	16	Baltic	H	28.67	-.03	WNW	6-7	s						In.	In.		(0-12).	
27th. 6 p.m.	49	21		H	28.46	-.04	WNW	6-7	b										
" "	51	11	Heperian	O	29.16	-.16	SE	6-7	c.										

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.	Oban ...	In.	49	37	c	bc	5.2	England, S.E.	Margate ...	In.	52	42	o	bc, b.	2.7
	Stonehaven ...	"	46	30	o	o	5.0		Ramsgate ...	"	53	41	"	"	2.4
	St. Andrews ...	"	46	30	o	o	5.0		Deal ...	"	50	40	7.5, bc	bc	5.1
	Carnoustie ...	"	46	30	o	o	5.0		Folkestone ...	"	51	41	or, b, bc	b	5.5
England, N.E.	Harrogate ...	0.14	43	37	o, bc	o, bc	5.0	England, S.E.	Littlestone ...	"	51	41	or, b, bc	b	5.7
	Scarborough ...	"	44	28	o	o	5.0		Hastings ...	"	51	41	or, b, bc	b	5.7
	Blackpool ...	"	51	36	o, cm	cm	1.7		Bexhill-on-Sea ...	"	52	42	g, bc	bc, b.	6.6
	Southport ...	"	53	36	o, bc	bc	5.1		Eastbourne ...	"	52	41	o, bc	bc, b.	7.2
England, N.W.	Buxton ...	0.06	48	36	bc	bc	2.5	England, S.E.	Seaford ...	"	52	41	o, b	b	6.9
	Matlock ...	"	48	36	bc	bc	2.5		Brighton ...	"	51	42	o, bc	bc, c	7.3
	Douglas ...	"	54	33	bc	bc	6.4		Worthing ...	"	53	41	bc	bc	6.9
	Rhyl ...	"	50	35	b	b	6.5	England, S.W.	Littlehampton ...	"	55	39	b	b	9.0
Wales.	Colwyn Bay ...	"	50	35	b	b	6.5		Bognor ...	"	55	38	b	bc, b.	7.6
	Llandudno ...	"	50	35	b	b	6.5		Southsea ...	"	55	38	b	bc, b.	7.6
	Bettws-y-Coed ...	"	55	38	bc, b	bc, c	9.2		Bournemouth ...	"	55	34	bc	bc	4.0
England, E.	Aberystwyth ...	"	55	38	bc, b	bc, c	9.2		Weymouth ...	"	52	33	bc	c	3.7
	Lowestoft ...	0.23	48	42	or	o, c, o	0.0	England, S.W.	Teignmouth ...	"	52	33	bc	bc	3.7
	Felixstowe ...	0.08	50	42	or, cm	o, bc, cm	1.2		Torquay ...	"	52	33	bc	bc	3.3
	Walton-on-Naze ...	0.07	52	43	or, bc	bc, b	1.0		Paignton ...	"	55	38	cm, bc	bc	6.5
	Southend-on-Sea ...	0.12	53	41	bc	bc	3.0		Ilfracombe ...	"	55	39	b	bc	7.6
									Weston-super-Mare ...	"	55	34	bc	bc	

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.				Rain-fall.	WEATHER.			Sun-shine for Yesterday.	STATIONS.	RAIN-FALL.	TEMPERATURE.			WEATHER.			Sun-shine for Yesterday.
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.		Min. on Grass.	Fore-noon.		After-noon.	Night.	In Screen.				Night Min. on Grass.	Night.	Fore-noon.	After-noon.			
			Max.	Min.														Max.	Min.	
24 HOURS ENDED 6 A.M. TO-DAY.																				
Greenwich (Royal Obs.) ...	59	84	55	39	27	0.01	0	6	6	3.5	Dublin to 4 p.m.	In. Trace	51	41	37	bc	bc	c	7.4	
City (Bunhill Row) ...	"	"	"	"	"	"	"	"	"	2.8	Plymouth to 9 p.m.	0.01	53	37	27	bc	bc	bc	7.1	
Westminster (St. James's Pk.)	73	93	55	43	34	0.01	bc	bc, c	or	3.1	Darwen "	"	48	36	34	bc	og	o, bc	5.5	
Camden Sq. (Brit. Rainfall)	63	84	55	38	29	0.01	0	bc	bc, od	2.9	Manchester "	"	"	"	"	"	"	"	"	
Hampstead (Reservoir) ...	"	84	53	39	26	0.01	bc	or	or	3.2	Birmingham "	"	53	38	23	b	c	b	5	
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.									Oxford to 8 p.m.	"	55	40	38	o, og	og, bc	bc, bc	
			Total.		Average Rate.		Max. Rate.				S. Kensington (Museum Grounds to 6 p.m.)	0.18	55	41	40	bc	og	c		
S. Kensington (Roof of M.O.)	62	90	698 Joules.		16.5 Milliwatts.		47. Milliwatts.		3.7											

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

28th-29th March 1913.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 5.29 S.M.T. 5.36	G.M.T. 11.38 S.M.T. 11.55	G.M.T. 6.17 S.M.T. 6.19
Greenwich ...	5.47 5.45	11.5 11.5	6.23 6.25
Wick ...	5.53 5.52	11.7 11.7	6.40 6.42
Valencia ...	6.23 6.26	12.46 12.46	7.4 7.6

NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature exceeded 50° in many parts of the British Isles, and touched 58° at Jersey. Rain fell in several districts, generally in small amounts, but nearly an inch in Kerry. The duration of bright sunshine was very variable, up to more than 9 hours at Aberystwyth. Near the Irish coast ships experienced strong S.E. winds and cloudy weather, further west, as far as the 27th meridian, fresh to strong S.W. and N.W. winds, and variable weather, snow at times. Gale force has been experienced at Wick, Malin Head, and Scilly.

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.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Saturday.
29th March, 1913.

STATIONS.	YESTERDAY EVENING.						THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shine for Yester- day.
	BAROM.		TEMP.		WIND.	Force (0 to 12).	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.				
	At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Dirac.	Force (0 to 12).				At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						Dirac.	Force (0 to 12).	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	
Spitzbergen	20.19	-2	E	2	b		20.18	-0.0	-1	-8	N	1	c	-	-	27	-22	-	-	-	Hours		
Lerwick	29.79	42	E	9	r		29.84	+0.1	42	-1	ESE	9	r	7	0.20	46	40	0.00	0.00	0.00	0.0		
Stornoway	29.49	42	E	7	opq		29.55	+0.6	44	+3	S	6	r	5	0.02	46	39	0.00	0.00	0.00	0.0		
Castlebay (Barra Isd.)	29.32	45	E	4	o		29.84	+0.9	46	+2	S	6	c	4	0.02	48	43	0.00	0.00	0.00	0.0		
Malin Head	29.14	43	ENE	8	tm		29.55	+0.8	40	-2	S	4	bc	4	0.06	47	40	0.00	0.00	0.00	0.0		
Blackod Point	29.11	45	SW	3	o		29.47	+0.7	43	-3	N	1	o	2	0.22	46	40	0.00	0.00	0.00	0.0		
Valencia	29.19	49	SSE	2	b		29.47	+0.8	44	0	ENE	2	cv	4	0.04	52	43	0.00	0.00	0.00	0.0		
Roche's Point	29.25	49	SW	3	c		29.81	-	46	+1	SE	4	c	4	0.20	51	40	0.00	0.00	0.00	0.0		
Birr Castle	29.16	44	SSE	1	c		29.84	-	39	-7	SE	2	c	4	0.23	49	33	0.00	0.00	0.00	0.0		
Donaghadee	29.19	45	ESE	5	r		29.60	+0.6	40	-3	S	2	bc	2	0.14	46	40	0.00	0.00	0.00	0.0		
Liverpool Obsy.	29.32	45	SSE	3	o		29.68	+0.3	35	-3	SE	2	b	2	0.06	49	37	0.00	0.00	0.00	0.3		
Holyhead	29.24	47	SW	4	m		29.64	+0.3	41	-2	SE	3	b	2	0.08	46	38	0.00	0.00	0.00	0.3		
Pembroke (St. Ann's Hd.)	29.31	44	SW	4	c		29.55	+0.2	41	-4	ESE	3	cm	4	0.08	49	41	0.00	0.00	0.00	1.0		
Newquay	29.34	44	SW	3	cpv		29.46	-0.0	43	-4	E	2	c	4	0.10	50	39	0.00	0.00	0.00	2.9		
Scilly (St. Mary's)	29.29	46	SSW	4	cpv		29.42	+0.2	46	-1	ESE	4	o	6	0.16	50	41	0.00	0.00	0.00	1.3		
Jersey (St. Aubin)	29.46	49	S	4	b		29.43	-0.1	45	-4	E	4	og	4	0.01	56	44	0.00	0.00	0.00	6.3		
Portland Bill	29.43	47	SSE	4	c		29.52	-0.1	45	-2	ENE	4	c	4	0.18	50	45	0.00	0.00	0.00	0.0		
Dungeness	29.51	48	SSW	5	c		29.58	-0.2	47	0	E	4	r	4	0.27	50	45	0.00	0.00	0.00	0.0		
Dover	29.54	48	SSW	4	b		29.61	-	46	0	NE	3	r	4	0.13	49	45	0.00	0.00	0.00	1.3		
Wick	29.57	40	SE	5	o		29.67	+0.7	43	+1	SE	4	cm	6	0.07	43	38	0.00	0.00	0.00	0.0		
Nairn	29.49	40	ESE	3	c		29.62	-	43	+2	SSW	1	c	1	0.01	44	37	0.00	0.00	0.00	0.0		
Aberdeen	29.54	41	SE	6	r		29.73	+0.8	43	+2	SSE	3	bc	4	0.16	43	38	0.00	0.00	0.00	0.0		
Leith	29.39	42	E	2	r		29.72	+0.7	42	+1	NE	1	b	4	0.08	46	40	0.00	0.00	0.00	0.0		
North Shields	29.38	43	SE	6	r		29.74	+0.5	39	+2	SW	1	g	4	0.22	43	36	0.00	0.00	0.00	0.0		
Spurn Head	29.44	44	S	5	c		29.70	+0.2	42	0	ESE	2	c	4	0.06	45	39	0.00	0.00	0.00	0.6		
Yarmouth	29.53	45	SSE	4	bc		29.72	+0.2	43	0	E	2	c	3	0.11	47	42	0.00	0.00	0.00	1.3		
Clacton-on-Sea	29.51	48	SSE	4	bc		29.65	-0.1	46	0	SE	3	o	2	0.09	48	44	0.00	0.00	0.00	1.2		
Nottingham	29.47	46	SSE	4	r		29.69	-	36	-1	E	1	bc	4	0.16	49	38	0.00	0.00	0.00	0.0		
Bath	29.42	48	S	4	bc		29.60	-	39	+8	E	3	o	4	0.18	52	37	0.00	0.00	0.00	2.9		
London (Kew Obsy.)	29.48	49	S	3	bc		29.62	-0.3	43	-2	NE	2	om	4	0.17	53	40	0.00	0.00	0.00	2.2		
Isafjord	30.05	35	E	4	c		29.97	-0.6	31	+1	-	0	b	-	-	-	-	-	-	-	-		
Reykjavik	29.84	39	-	0	b		29.82	-0.2	32	-5	-	0	b	-	-	-	-	-	-	-	-		
Vestmanna	29.85	43	ESE	5	b		29.82	-0.2	42	+1	E	5	c	2	-	-	-	-	-	-	-		
Seydisfjord	30.01	37	-	0	r		29.96	-0.4	36	-1	E	1	o	-	-	-	-	-	-	-	-		
Thorsbavn	29.83	46	E	4	o		29.79	-0.2	43	+1	ESE	6	r	-	-	-	-	-	-	-	-		
Haparanda	30.44	25	SW	4	b		30.41	-0.0	24	+10	SW	2	b	-	-	30	12	-	-	-	-		
Hernösand	30.57	25	-	0	b		30.57	-0.0	22	-5	-	0	b	-	-	27	16	-	-	-	-		
Stockholm	30.47	32	E	4	b		30.52	+0.3	26	-1	SE	2	b	-	-	41	30	-	-	-	-		
Wisby	30.34	40	E	4	o		30.47	+0.3	36	0	SE	2	b	-	-	41	32	-	-	-	-		
Karlstad	30.36	37	NE	2	o		30.39	+0.2	35	-1	E	2	o	-	-	45	34	-	-	-	-		
Færd (X'ania Fjord)	30.21	39	ESE	6	o		30.27	+0.4	37	0	E	4	o	3	-	41	36	-	-	-	-		
Bodö	30.35	34	E	2	b		30.30	-0.5	35	-2	E	2	b	1	-	41	32	-	-	-	-		
Christiansund	30.13	45	SE	3	bc		30.19	+0.2	43	-4	SE	1	b	3	-	54	41	-	-	-	-		
Skudesnaes	29.98	43	ESE	6	o		30.06	-0.0	44	+3	E	6	c	2	-	45	41	-	-	-	-		
The Scaw (Skagen)	30.15	42	ESE	5	o		30.28	+0.4	41	+2	ESE	4	o	2	-	43	39	-	-	-	-		
Blaavands Huk	29.96	39	ESE	4	m		29.99	+0.1	42	+7	ESE	6	m	4	-	43	34	-	-	-	-		
Cuxhaven	29.89	46	ESE	3	o		29.95	+0.2	44	+8	E	3	o	-	-	45	34	-	-	-	-		
The Helder	29.71	47	SSW	4	r		29.79	+0.1	47	+4	ESE	2	r	1	0.28	52	41	-	-	-	-		
Brussels	29.70	49	SE	3	b		29.69	-0.2	48	+4	E	2	r	-	0.28	57	44	-	-	-	-		
Berlin	29.96	51	E	2	b		30.02	+0.1	44	+4	S	3	o	-	-	57	39	-	-	-	-		
Frankfurt	29.82	58	-	0	b		29.82	-0.2	48	+9	NE	1	o	-	-	64	37	-	-	-	-		
Munich	29.86	46	SE	2	b		29.85	-0.2	41	+3	SE	3	c	-	-	57	34	-	-	-	-		
C. Gris Nez	29.66	49	ENE	3	bc		29.62	-0.4	45	-1	ENE	4	r	3	0.26	52	45	-	-	-	-		
La Hève	29.57	47	SW	4	b		29.50	-	43	-5	E	4	o	3	0.16	52	39	-	-	-	-		
Brest (St. Mathieu)	29.42	44	S	4	c		29.38	-0.1	45	-2	ESE	4	o	5	0.04	52	43	-	-	-	-		
Lorient (Bee Melen)	29.49	48	S	2	bc		29.26	-	46	-2	ENE	5	r	5	0.04	54	43	-	-	-	-		
Rochefort (Ile d'Aix)	29.57	52	SSE	3	o		29.20	-0.5	52	+3	S	5	c	6	0.35	56	45	-	-	-	-		
Biarritz	29.46	52	E	4	r		29.40	+0.10	57	+2	SSW	5	b	6	1.0.								

GALES.

Duration and Extreme Force
on British Coasts.

Lerwick 8 a.m. to 7 a.m.
Extreme E. 9

Malin Head ? to 11 p.m.
Extreme ENE 8

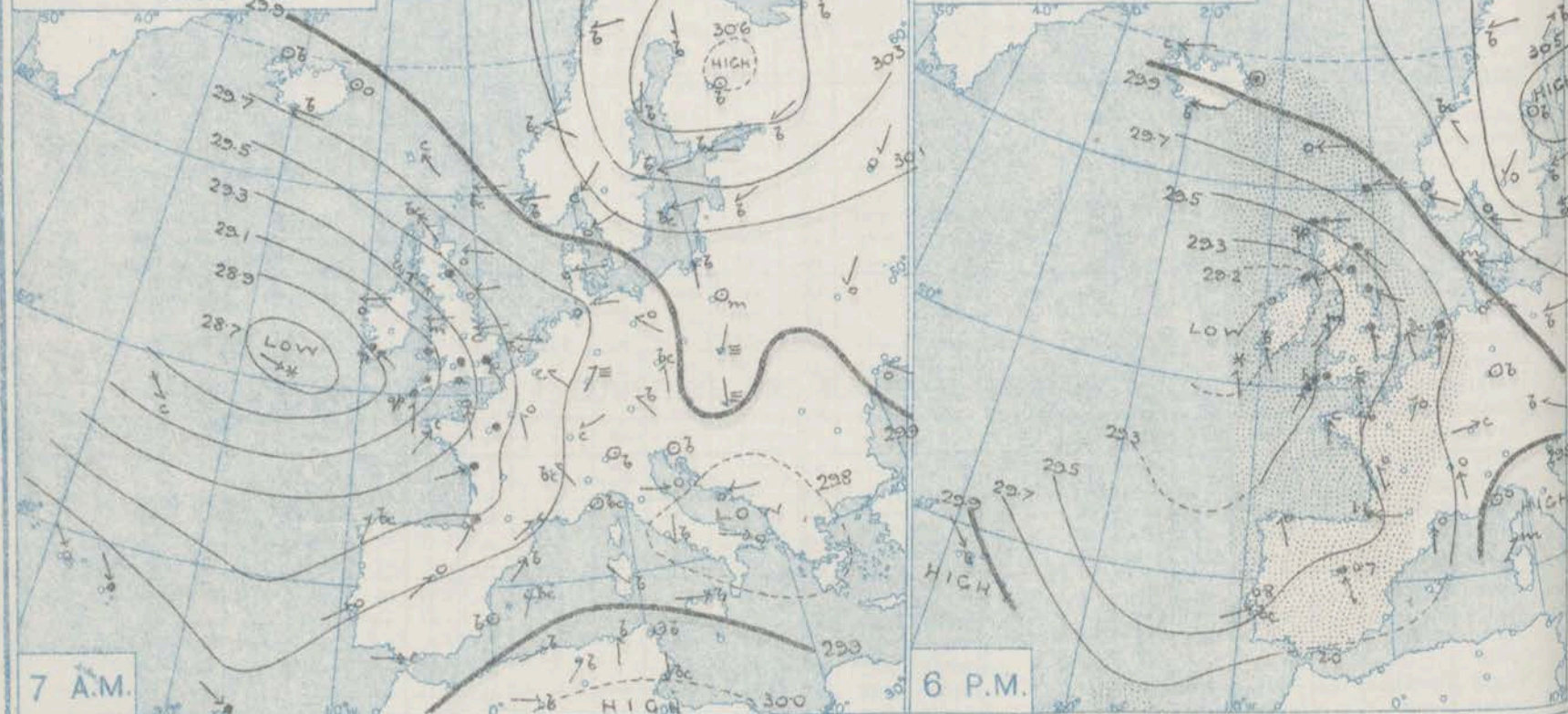
Aberdeen
Squall 18 mph (8) 1 p.m.
Squall 15 mph (5) 10 p.m.

Kew
Squall 14 mph (6) 3.5 p.m.

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 28TH MARCH.



NOTE.—On this chart the areas over which rain has fallen within the 24 hours from 7 a.m., are stippled.



GENERAL INFERENCE

WEATHER PROSPECTS.

During the ensuing 24 hours the weather over this country will be under the

influence of a depression beyond the western coasts and another which is moving across the Bay

FORECASTS FOR THE 24 HOURS NOON SATURDAY TO NOON SUNDAY.

0 {
a Wind between S. and E., force
b very variable; cloudy to dull,
some rain and mist, fair intervals
moderate temperature.

1

2 {
a Freshening E. breezes;
b dull and damp, some rain.

3 and mist, fair intervals;
moderate temperature.

4 {
a
b

5

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

signals hoisted yesterday.	signals hoisted this morning.
South Coast.	South Coast.
North Coast.	North Coast.

South Coast re-hoisted at 7.5 p.m. yesterday in districts 8 to 10. Signals still up on all coasts.

6 {
a
b

Same as Nos. 0 & 1.

7 {
a
b

Same as Nos. 2 to 5.

8 {
a
b

9 {
a
b

Same as Nos. 0 & 1.

10 {
a
b

Same as Nos. 2 to 5.

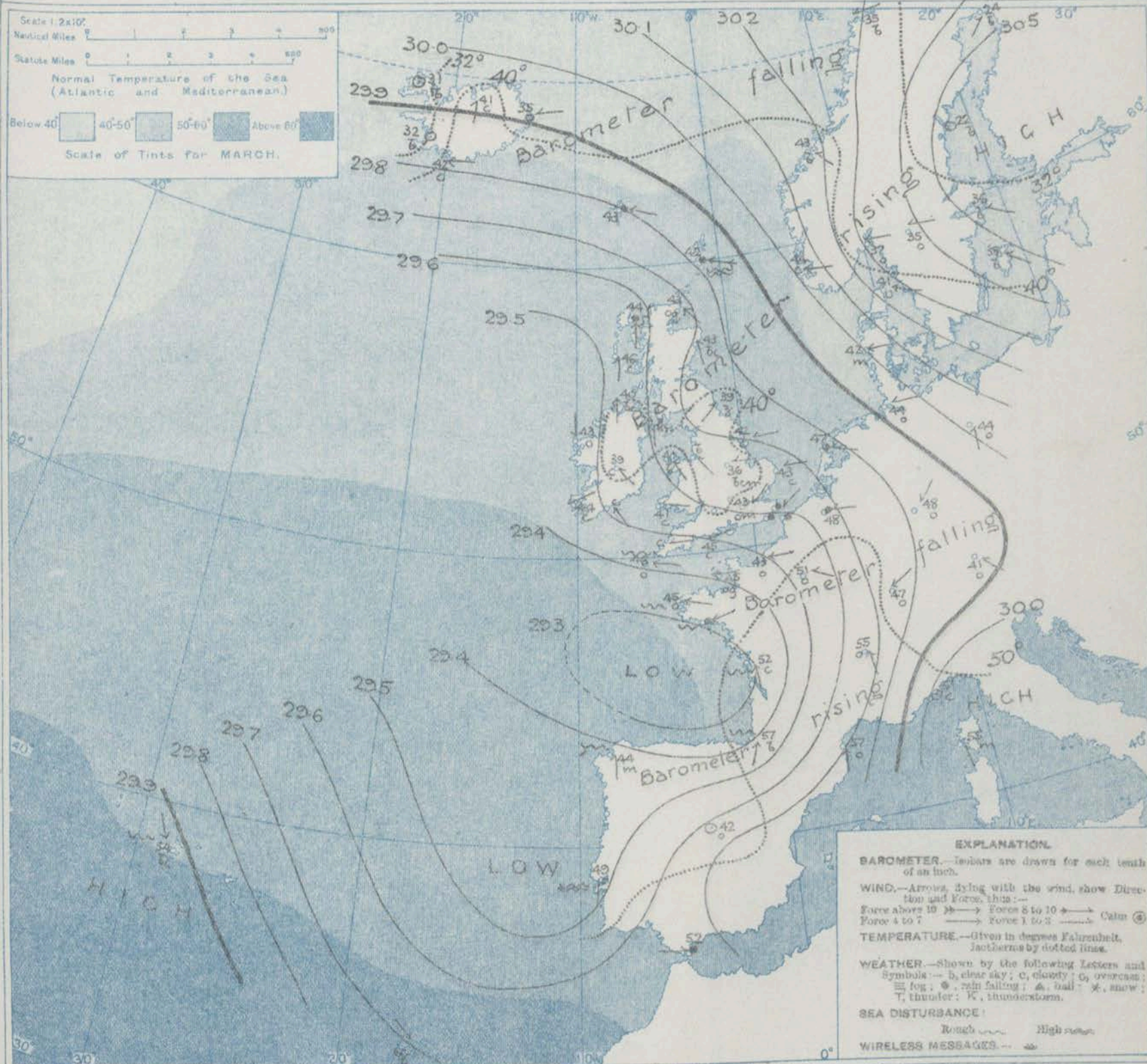
11 WESTERN CHANNEL AND BAY.

Northern portion, freshening E. winds. Southern portion, freshening S.W. winds; sea slight to rough; gusty, dull to rainy, mist or fog, fair intervals; moderate temperature.

THE FURTHER OUTLOOK. (All Districts)

Conditions remaining very unsettled.

SYNOPTIC CHART FOR 7 A.M. SATURDAY, 29TH MARCH 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

An area of high pressure covers Northern Europe and the Arctic Sea, the barometer being at 30.6 in. over Finland. Yesterday's deep cyclonic disturbance on the Atlantic is receding to the north-westward, but another depression has appeared over the Bay of Biscay, where the barometer is at 29.3 in. The gradient is moderate generally. Over nearly the whole of the region under observation the wind is Southerly to Easterly in direction, varying greatly in force, from a light air to a strong or high wind, a strong gale in Ireland. Over the British Isles temperature ranges from 36° at Nottingham to 41° at Dungeness; on the Continent from 41° at Munich to 54°

at Berlin, and 49° at Copenhagen; in Scandinavia from 22° at Helsingfors to 44° at Stockholm; and in Iceland from 31° to 42°. At Spitzbergen it is -1°. The weather is fine and clear in many parts of Scandinavia and Iceland, but in other regions it is mostly very cloudy to dull or gloomy, with rain off the north of Scotland, on the Straits of Dover, in the Netherlands, and in Western France. A high sea is running off Skotland, rough on the Holland coast, and between Seilly and the Spanish Coast.

DAILY WEATHER REPORT.

Saturday, 29th March 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Direc.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Direc.	Force.	
28th 6 p.m.	51	12	<i>Thallic</i>	H	29.17	+0.7	SSE	1-3	S						In.	In.		(0-12).	
" 7 a.m.	47	25	<i>Majestic</i>	H	28.95	-0.25	NW	8-9	C.						In.	In.		(0-12).	

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.		In.					Hr.	England, S.E.		In.					Hr.
{ Oban ...								{ Margate ...		0.12	52	42	or	c.b.c	2.2
{ Stonehaven ...								{ Ramsgate ...		0.13	53	42	h.	"	2.1
{ St. Andrews ...		0.22	43	38	op	op	0.0	{ Deal ...		0.18	51	43	or, ou	bc, c	2.5
{ Carnoustie ...								{ Folkestone ...		0.22	49	44	r, bc	bc	1.2
Eng. N.E.								{ Littlestone ...		"	"	"	"	"	3.4
{ Harrogate ...		0.20	45	27	m, op, r	r, op	0.0	{ Hastings ...		0.26	50	45	or, bc	bc	2.9
{ Scarborough ...		"	44	29	ogr	ogr	0.0	{ Bexhill-on-Sea ...		0.27	49	45	r	r, c, bc, v	3.0
Eng. N.W.								{ Eastbourne ...		0.22	51	45	ou, r	b, bc, or	2.7
{ Blackpool ...		0.04	49	39	"	op	0.1	{ Seaford ...		0.27	52	43	or	o, b	3.3
{ Southport ...		0.08	50	36	o, bc, o	or, bc	0.0	{ Brighton ...		0.42	50	44	or	o, bc, c	3.0
{ Buxton ...		0.25	45	37	c, r	bc, r	0.0	{ Worthing ...		0.37	52	45	or	o, bc	3.8
{ Matlock ...								{ Littlehampton ...		"	"	"	"	"	
{ Douglas ...								{ Bognor ...		"	"	"	"	"	
Wales.								{ Southsea ...		0.32	52	42	or, bc	bc	3.8
{ Rhyl ...		0.02	51	38	c, o	o	0.1	{ Bournemouth ...		0.23	53	44	or	bc, c	4.0
{ Colwyn Bay ...		"	52	38	bc	bc, c	0.2	{ Weymouth ...		0.20	53	45	o, p	bc	3.2
{ Llandudno ...		"	52	40	"	bc	0.2	{ Teignmouth ...		0.23	52	46	bc, p	bc, p	3.4
{ Bettws-y-Coed ...		"	52	42	c	c, bc	0.2	{ Torquay ...		0.16	51	47	or, b	b, bc	0.6
{ Aberystwyth ...		0.04	51	45	op, c	c, or	1.3	{ Paignton ...		0.23	52	39	b, or, h	bc, p, bc	0.5
England, S.W.								{ Ilfracombe ...		0.26	55	44	cp	cp	1.1
{ Lowestoft ...		0.11	47	40	or	op, c	0.5	{ Weston-super-Mare ...		0.09	53	41	ch	b, bc	
{ Felixstowe ...		0.12	47	43	c, m, or	or, bc	1.4								
{ Walton-on-Naze ...		0.09	47	45	or, bc, r	or, bc, b	1.1								
{ Southend-on-Sea ...		0.12	50	42	op	op	0.7								

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		TEMPERATURE.		Rain- fall.	WEATHER.			Sun- shine for Yester- day.
	7 p.m. Yester- day.	9 a.m. To-day.	In Screen.	Min. on Grass.		Fore- noon.	After- noon.	Night.	
Greenwich (Royal Obs.) ...	77	83	53	38	25	0.15	or	or, b, p	bc
City (Bunhill Row) ...	"	"	"	"	"	"	"	"	"
Westminster (St. James's Pk.) ...	88	92	53	47	34	0.17	bc, r	bc	bc
Camden Sq. (Brit. Rainfall) ...	77	85	53	37	29	0.17	or	bc, p	bc, o
Hampstead (Reservoir) ...	"	92	40	29	27	0.24	or, bc	"	"
Kew. (See front page.)									
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.									
Total.			Average Rate.		Max. Rate.				
S. Kensington (Roof of M.O.)			445 Joules.		0.8 Milliwatts.		4.1 Milliwatts.		0.2

Additional Observations for Yesterday.

STATIONS.	Rain- fall.	TEMPERATURE.		WEATHER.			Sun- shine for Yester- day.
		In Screen.	Night Min. on Grass.	Night.	Fore- noon.	After- noon.	
Dublin to 4 p.m.	In.						Hr.
Plymouth to 9 p.m.	0.44	51	44	41	b, or	r	0
Darwen	0.17	45	36	30	or	o, b, r	or, b
Manchester	0.14	51	40	"	bc	c	0.3
Birmingham	0.15	49	38	30	or	c	0.4
Oxford to 8 p.m.	"	51	40	32	bc, o	o, or	oph, h
S. Kensington (Museum Grounds to 6 p.m.)	0.23	52	43	32	by	org	op

NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature reached 56° at Jersey, and 55° at Ilfracombe, below 50° in many localities. Rain fell generally, but only in small amounts. Valencia had 8 hours of bright sunshine, elsewhere the records were very small, none in several places. A strong gale has been blowing in Skotland, and Aberdeen reports squalls of 47 miles per hour. New Observatory 40° miles per hour. Near the Kerry coast ships had light S.W. breezes and snow, further west, to the 27th meridian, N.W. winds, strong to a gale, cloudy, some snow.

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.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

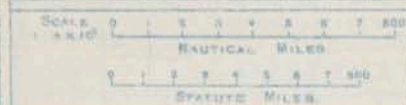
Sunday,
30th March, 1913.

STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun- shine for Yester- day.
	BAROM.		TEMP.		WIND.	BAROMETER.		TEMP.		WIND.		Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.							
	At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Dirac.	Force (0 to 12).	Weather.	At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.	Dirac.	Force (0 to 12).			Weather.	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.				
Spitzbergen	29.92	3	-	0	o	29.80	00	29	+30	SW	5	o	-	29	-26	4	4	4	4	4	4	4	
Lerwick	29.89	44	ESE	6	o	29.61	-11	43	+1	ESE	5	r	5	0.16	45	42	om	o	or	or	or	Hours	
Stornoway	29.73	49	SE	3	by	29.55	-05	39	-5	W	1	o	1	0.02	52	36	bcy	by	bodp	b	6.6		
Castlebay (Barra Isd.)	29.69	47	E	1	b	29.53	-02	43	-3	-	0	b	2	-	49	41	c.b.	b	b	b	10.0		
Malin Head	29.64	47	SE	3	bc	29.54	00	44	+4	W	3	bcy	2	-	54	39	bcn	bc	bcn	*	*		
Blackhead Point	29.58	51	N	2	c	29.57	00	40	-3	-	0	c	2	-	52	38	cm	cm	cm	*	*		
Valencia	29.54	50	NNE	3	b	29.67	+04	43	-1	WSW	1	bc	3	0.02	56	40	bcn	bc	bcn	5.4	*		
Roche's Point	29.50	53	E	3	bc	29.66	00	42	-4	NNW	2	b	3	0.01	53	41	c	bc	bcn	*	*		
Birr Castle	29.55	50	NE	2	c	29.60	00	34	-5	SSW	1	b	3	-	54	33	c	c	bcn	8.5	*		
Donaghadee	29.61	47	N	3	bc	29.49	+02	43	+3	N	4	o	4	0.24	50	40	bc	bcn	bcn	*	*		
Liverpool Obsy.	29.49	45	NE	4	r	29.47	+03	45	+7	ESE	2	o	2	0.23	54	38	b	or	om	4.8	*		
Holyhead	29.50	47	NE	5	m	29.47	+03	45	+4	NNW	5	o	4	0.10	48	41	bm	cm	cm	7.3	*		
Pembroke (St. Ann's Hd.)	29.33	45	NNE	5	r	29.56	+08	45	+4	WNW	5	cm	4	0.27	53	40	cm	cm	cm	0.3	*		
Newquay	29.23	46	NNW	5	or	29.61	+10	47	+4	W	4	by	4	0.40	49	43	o	or	or	0.0	*		
Scilly (St. Mary's)	29.28	46	N	6	omr	29.68	+08	47	+1	NW	4	c	5	0.34	50	44	c	omr	om	0.1	*		
Jersey (St. Aubin)	29.38	52	S	5	bc	29.76	00	48	+3	SW	4	og	4	0.11	54	45	ogmte	copce	bcn	1.8	*		
Portland Bill	29.27	45	SSE	8	r	29.61	+10	47	+2	SW	6	r	5	0.24	47	44	or	or	or	*	*		
Dungeness	29.50	51	SSE	4	c	29.69	+01	49	+2	SSW	5	c	5	0.07	53	46	r.o.	opc	a	*	*		
Dover	29.54	51	SW	3	bc.	29.73	00	49	+4	SSW	6	bc	4	0.07	54	44	or	bc	bcn	1.3	*		
Wick	29.80	43	SSE	5	f	29.50	-10	43	0	S	3	m	5	0.32	46	40	ogbm	bcn	f	*	*		
Nairn	29.73	50	-	0	bc	29.51	00	40	-3	-	0	r	1	0.19	56	38	b	by	gr.	8.6	*		
Aberdeen	29.78	43	ESE	2	m	29.52	00	43	0	SSE	1	o	3	0.22	51	42	bcy	byom	for.o	6.9	*		
Leith	29.69	44	NE	3	bc	29.53	+02	43	+1	-	0	op	4	0.18	50	41	b	b	bcn	*	*		
North Shields	29.65	44	NE	3	o	29.53	00	44	+5	SE	2	c	4	0.30	50	36	c	c	r.o.	4.0	*		
Spurn Head	29.51	45	S	4	o	29.57	00	45	+3	S	6	cq	5	0.20	46	40	c.o.	or	c.	0.0	*		
Yarmouth	29.61	47	SSE	3	bc	29.71	+02	47	+4	S	2	bc	2	0.18	52	41	bcn	omr	bcn	0.5	*		
Clacton-on-Sea	29.54	47	SE	5	bcn	29.69	+02	47	+1	SSE	4	c	3	0.05	49	45	ogr	ogp	bcn	0.5	*		
Nottingham	29.50	47	E	3	r	29.53	00	48	+12	S	5	o	4	0.27	52	36	bcn	or	r.c.b.	2.0	*		
Bath	29.36	49	SE	2	or	29.61	00	49	+10	WSW	4	o	4	0.42	51	29	-	-	-	1.6	*		
London (Kew Obsy.)	29.48	53	S	4	bc	29.66	+04	48	+5	SSW	6	o	4	0.06	57	42	omr	omr	bcn	0.6	*		
Isafjord	29.73	41	-	0	b	29.35	-07	32	+1	E	2	b	2	-	-	-	-	-	-	-	-	-	
Reykjavik	29.59	46	-	0	b	29.23	-05	38	+6	E	3	c	2	-	-	-	-	-	-	-	-	-	
Vestmanna	29.59	41	E	7	c	29.24	-05	40	-2	SE	5	r	3	-	-	-	-	-	-	-	-	-	
Seydisfjord	29.79	35	E	4	r	29.36	-07	35	0	-	0	o	2	-	-	-	-	-	-	-	-	-	
Thorshavn	29.69	43	SSE	5	r	29.62	-04	42	-1	SSE	2	o	2	-	-	-	-	-	-	-	-	-	
Haparanda	30.38	20	SSW	2	b	30.25	-01	24	0	S	2	f	2	-	32	16	-	-	-	-	-	-	
Hernösand	30.47	31	S	4	b	30.36	-06	32	+10	SE	2	c	2	-	36	16	-	-	-	-	-	-	
Stockholm	30.48	32	SE	2	b	30.35	-05	35	-1	SE	2	o	2	-	41	30	-	-	-	-	-	-	
Wisby	30.45	36	SE	2	b	30.32	-06	38	0	SE	4	b	2	-	45	30	-	-	-	-	-	-	
Karlstad	30.37	38	E	2	o	30.24	-02	36	+1	ENE	2	c	2	-	43	34	-	-	-	-	-	-	
Færder (X'ania Fjord)	30.29	40	NE	2	o	30.15	-03	38	+1	E	4	o	3	-	41	37	-	-	-	-	-	-	
Bodö	30.27	35	-	0	b	30.13	-06	35	0	E	4	o	3	-	41	32	-	-	-	-	-	-	
Christiansund	30.13	47	SE	1	bc	29.93	-03	49	+6	SE	3	c	3	-	52	43	-	-	-	-	-	-	
Skudenes	30.00	45	ESE	6	o	29.86	+01	45	+1	SE	4	o	4	-	46	43	-	-	-	-	-	-	
The Scaw (Skagen)	30.18	44	ESE	3	c	30.05	-01	42	+1	SE	6	r	1	-	46	41	-	-	-	-	-	-	
Blaavands Huk	29.92	46	SE	2	o	29.89	+01	45	+3	SE	4	o	3	-	50	41	-	-	-	-	-	-	
Cuxhaven	29.87	52	E	3	b	29.89	00	50	+6	-	3	o	2	-	55	44	-	-	-	-	-	-	
The Helder	29.53	51	SE	2	c	29.81	+02	50	+3	SSE	2	c	1	-	52	46	-	-	-	-	-	-	
Brussels	29.75	55	S	3	o	29.82	+02	51	+3	SSE	2	o	2	-	61	47	-	-	-	-	-	-	
Berlin	30.03	52	E	4	b	30.03	00	45	+1	SE	3	o	2	-	59	43	-	-	-	-	-	-	
Frankfurt	29.89	54	NE	1	c	29.89	+01	52	+4	NE	1	c	2	-	61	48	-	-	-	-	-	-	
Munich	29.92	51	-	0	bc	29.92	+01	45	+4	SE	2	c	2	-	64	44	-	-	-	-	-	-	
C. Gris Nez	29.55	55	SSE	5	c	29.76	+05	48	+3	S	5	bc	3	0.28	57	45	-	-	-	-	-	-	
La Hève	29.51	52	SSW	6	c	29.80	00	46	+3	SW	4	b	3	-	59	43	-	-	-	-	-	-	
Brest (St. Mathieu)	29.38	48	SW	4	o	29.78	+06	47	+2	WSW	3	bc	5	0.24	50	45	-	-	-	-	-	-	
Lorient (Bec Melen)	29.43	51	SW	6	c	29.75	00	48	+2	W	3	c	4	-	54	45	-	-	-	-	-	-	
Rochefort (Ile d' Aix)	29.63	51	SSW	3	o	29.76	+02	47	-5	NE	3	o	4	0.12	55	46	-	-	-	-	-	-	
Biarritz	29.56	58	S	2	o	29.65	+02	50	-7	ESE	2	r	5	0.04	59	48	-	-	-	-	-	-	
Paris	29.69	54	SSE	3	o	29.82	+02	48	-3	-	0	o	2	0.12	57	47	-	-	-	-	-	-	
Belfort	29.84	59	ENE	6	o	29.87	00	47	0	E	4	m	2	-	61	45	-	-	-	-	-	-	
Lyons	29.77	61	S	3	o	29.82	00	52	-3	SW	1	o	2	-	64	52	-	-	-	-	-	-	
Nice	30.02																						

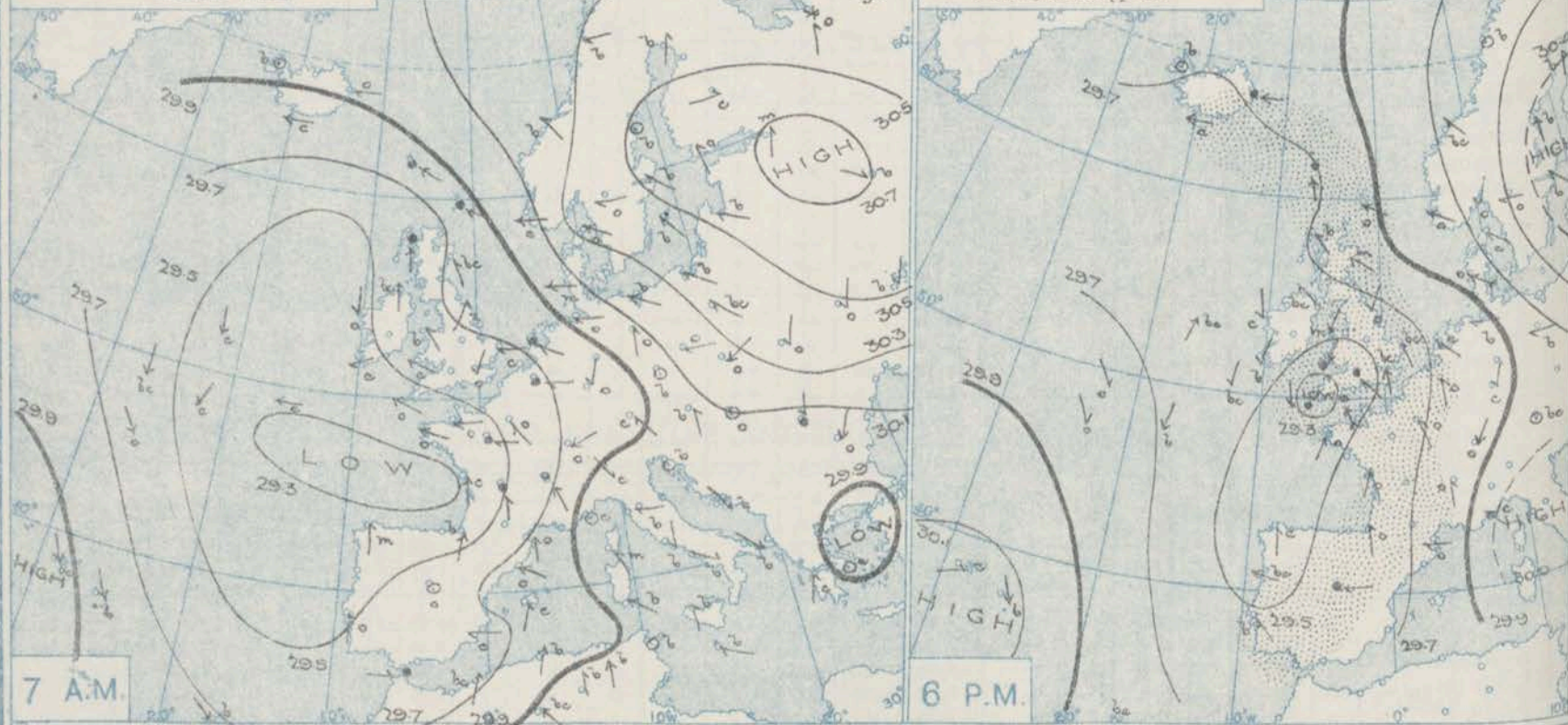
* Information for these columns not usually received.

+ Received too late for insertion in Charts.

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 29TH MARCH.



NOTE.—On this chart the areas over which rain has fallen within the 24 hours from 7 a.m., are stippled.



GENERAL INFERENCE

WEATHER PROSPECTS.

FORECASTS FOR THE 24 HOURS NOON SUNDAY

TO NOON MONDAY

0 {
a
b

1

2 {
a
b

3

4 {
a
b

5

None Issued

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

NO WARNINGS
ISSUED.

6 {
a
b

7 {
a
b

8 {
a
b

9 {
a
b

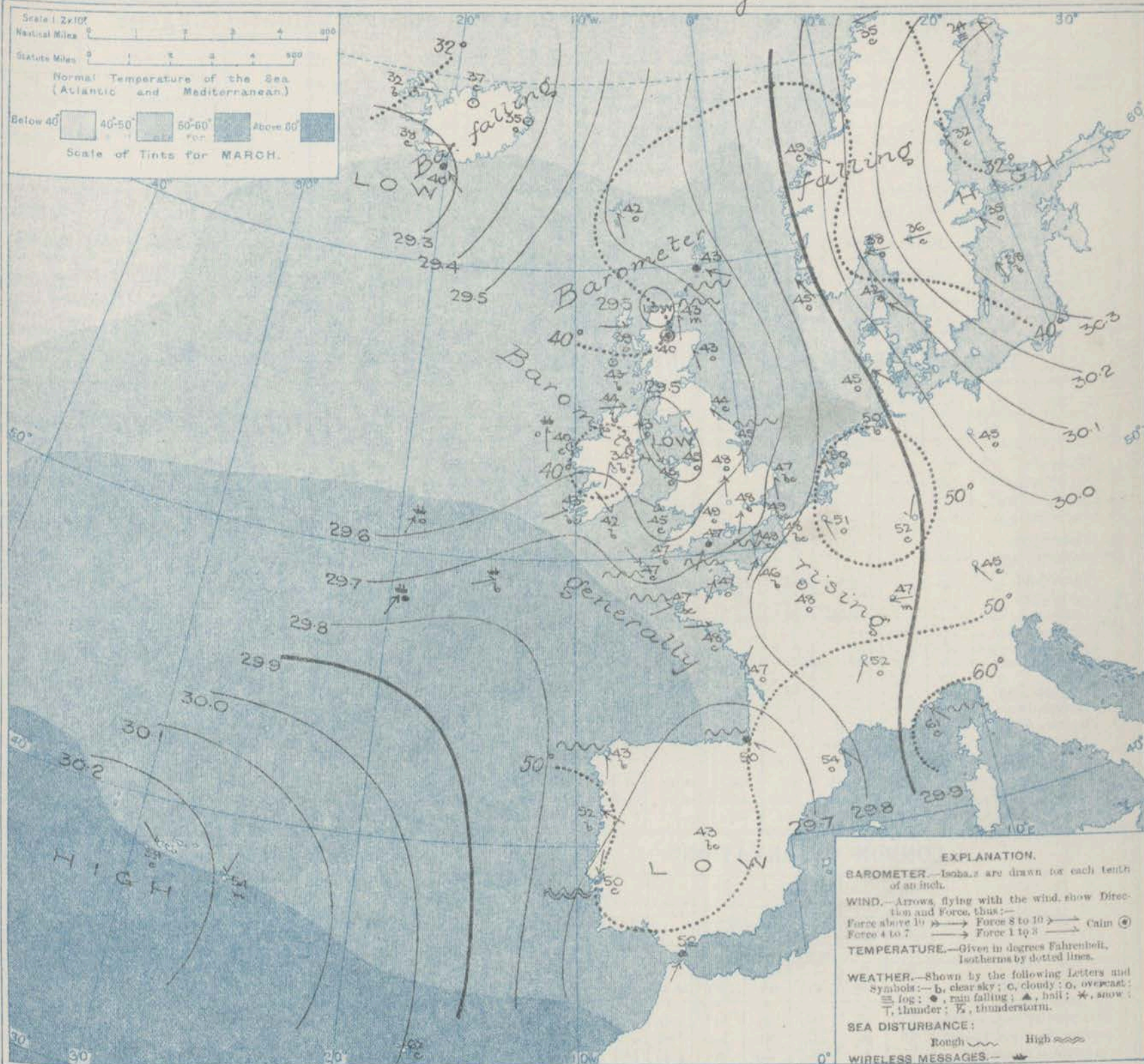
10 {
a
b

None Issued

11 WESTERN CHANNEL AND BAY.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. Sunday, 30th MARCH 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The small depression which lay yesterday morning over the Bay of Biscay has moved northward to the Irish Sea. Another small disturbance has been developed off the north of Scotland, and a third has appeared off the south-west of Ireland. Pressure is highest over northern Russia, but is almost equally high over the Azores region. Cyclonic circulations of air are shown round each of the depressions mentioned above, and in the Channel the S.W. current is fresh to strong in force. Over the northern and central parts of the Continent the wind is S.W. or S.E. Temperature has fallen in many parts of

Ireland, Scotland and France, but risen elsewhere. Over the United Kingdom the morning readings range from between 47° and 49° over Eastern, Central, and Southern England, to 39° at Stornoway and 34° at Kinn Castle. The weather is fine in the south-east of England, and also in Ireland, but cloudy or overcast elsewhere, with rain in the north of Scotland, as well as at the Shaw, and at Westmannar. The sea is rather rough on several of the more exposed parts of the British, Irish, and French coasts.

DAILY WEATHER REPORT.

Sunday, 30th March, 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	On Outward H = Homeward	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	On Outward H = Homeward	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
29th 6 p.m.	47	23	Zeeland	H	29.81	+0.1	NNW	1-3	c	29th 7 a.m.	46	27	Zeeland	H	29.69	+0.4	NW	4-7	o
" "	49	22	Canada	H	29.64	-0.3	NW	1-3	o	" "	49	26	Oceanic	O	29.57	+1.1	N	8-9	bc
" "	48	18	Minnewaska	H	29.70	+0.3	NNE	4-5	b	" "	48	22	Minnewaska	H	29.44	+0.6	NNE	6-7	c
" "	53	16	Caledonia	H	29.51	0.0	SSW	4-5	bc	" "	52	21	Caledonia	H	29.44	+0.3	N	4-5	c
" "	51	12	Victorious	O	29.51	-0.2	NNE	1-3	bc	" "	49	15	Majestic	H	29.34	+1.5	E	4-5	c

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.		In.					Hr.	England, S.E.		In.					Hr.
Oban ...								Margate ...		0.08	56	45	c-bc	clu-o	1.8
Stonehaven ...								Ramsgate ...		0.02	50	49	*	*	1.7
St. Andrews ...								Deal ...		0.10	54	44	bc-op	c	1.5
Carnoustie ...								Folkestone ...		0.11	52	45	od	r-c-bc	1.1
Harrogate ...		0.16	50	33	m-c-bc-b	bc-c-or	1.1	Littlestone ...		*	*	*	*	*	2.5
Scarborough ...								Hastings ...		0.02	53	45	abc	bc-op-c	2.3
Blackpool ...		0.03	55	36	c-o	o	7.8	Bexhill-on-Sea ...		0.03	52	46	g	g-bc-b	2.3
Southport ...			55	36	bc	bc-o	6.9	Eastbourne ...		0.08	53	40	o	b-bc-b	2.6
Buxton ...		0.40	47	35	bc	c-r	0.4	Seaford ...		0.05	56	43	r-bc	bc-c	2.6
Matlock ...								Brighton ...		0.13	55	45	or-o-bc	or-c-bc	1.5
Douglas ...								Worthing ...		0.04	54	44	c-o	c-bc	1.5
Rhyl ...								Littlehampton ...		0.04	*	*	*	*	1.5
Colwyn Bay ...			52	36	bc	bc	6.8	Bognor ...							
Llandudno ...								Southsea ...							
Bettws-y-Coed ...								Bournemouth ...		0.20	50	40	or	or	0.7
Aberystwyth ...		0.04	52	38	o-bc	c-or	2.9	Weymouth ...		0.25	50	46	bc-or	or	0.4
Lowestoft ...								Teignmouth ...		0.49	52	41	bc-or	or	0.6
Felixstowe ...		0.06	50	44	m-or	or-bc-p	0.8	Torquay ...			*	*	*	*	
Walton-on-Naze ...		0.08	50	45	or	or-b-o	0.6	Paignton ...		0.35	49	37	o-bc	c-r	0.0
Southend-on-Sea ...		0.02	54	43	bc-p	bc	2.0	Ilfracombe ...		0.22	49	40	c-o	c-stm	0.6
								Weston-super-Mare ...							

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain- fall.	WEATHER.			Sun- shine for Yester- day.	STATIONS.	Rain- fall.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.			
	3 p.m. Yester- day.	9 a.m. To- day.	In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.				In.	In Screen.		Night Min. on Grass.	Night.	Fore- noon.		After- noon.		
			Max.	Min.										Max.	Min.							
			34 HOURS ENDED 9 A.M. TO-DAY.											Max.	Min.	Grass.						
Greenwich (Royal Obs.) ...	%	%	81	80	57	46	39	0.02	or	or-bc	0	1.5	Dublin to 4 p.m.	In.	0.01	51	38	34	bc	bc	c-o	0.5
City (Bunhill Row) ...	"	"	"	"	"	"	"	"	"	"	"	0.5	Plymouth to 9 p.m.	"	0.40	51	41	34	bc	or	or	0.5
Westminster (St. James's Pl.)	82	96	56	47	41	0.05	or-d	d	bc-owc	0.4	Darwen	"	0.12	50	37	32	or	bc	bc-u	5.0		
Camden Sq. (Brit. Rainfall)	95	86	56	47	40	0.08	o-or	or-c	bc-b-o	0.3	Manchester	"	0.11	52	38	"	op-c	bc	bc-op	3.4		
Hampstead (Reservoir) ...	"	84	54	44	36	0.06	or-c	bc	c	0.5	Birmingham	"	0.29	50	36	23	b-hp	o	or	0.0		
Kew. (See front page.)											Oxford to 8 p.m.	"	-	52	35	28	b-c-m	cm-or	or			
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																						
			Total.		Average Rate.		Max. Rate.															
S. Kensington (Roof of M.O.)	79	92	37.8 Joules.		8.3 Milliwatts.		37.5 Milliwatts		0.3	S. Kensington (Museum Grounds to 6 p.m.)	0.06	56	42	30	b	om	c					

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

NOTES ON YESTERDAY'S WEATHER.

30 & 31 March, 1913.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 5.34 5.32	G.M.T. 11.58 11.57	G.M.T. 6.21 6.22
Greenwich ...	5.43 5.40	12.5 12.4	6.27 6.28
Wick ...	5.48 5.45	12.17 12.16	6.45 6.48
Valencia ...	6.24 6.21	12.46 12.45	7.8 7.9

The thermometer rose to between 50° and 55° in many parts of the United Kingdom, and reached 57° at Kew. Over England and Wales the amount of bright sunshine was, as a rule, small, but as many as 10 hours were registered at Castlebay, and about 8½ hours at Cairn and Birr Castle. Rain fell in nearly all districts, and a gale from S. and S.W. prevailed in the eastern part of the Channel. Wireless reports show that as far west as the 21st meridian ships experienced moderate to strong N.W. winds, backing later to S. and S.W., with fair but cloudy weather.

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.

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.

12.28

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

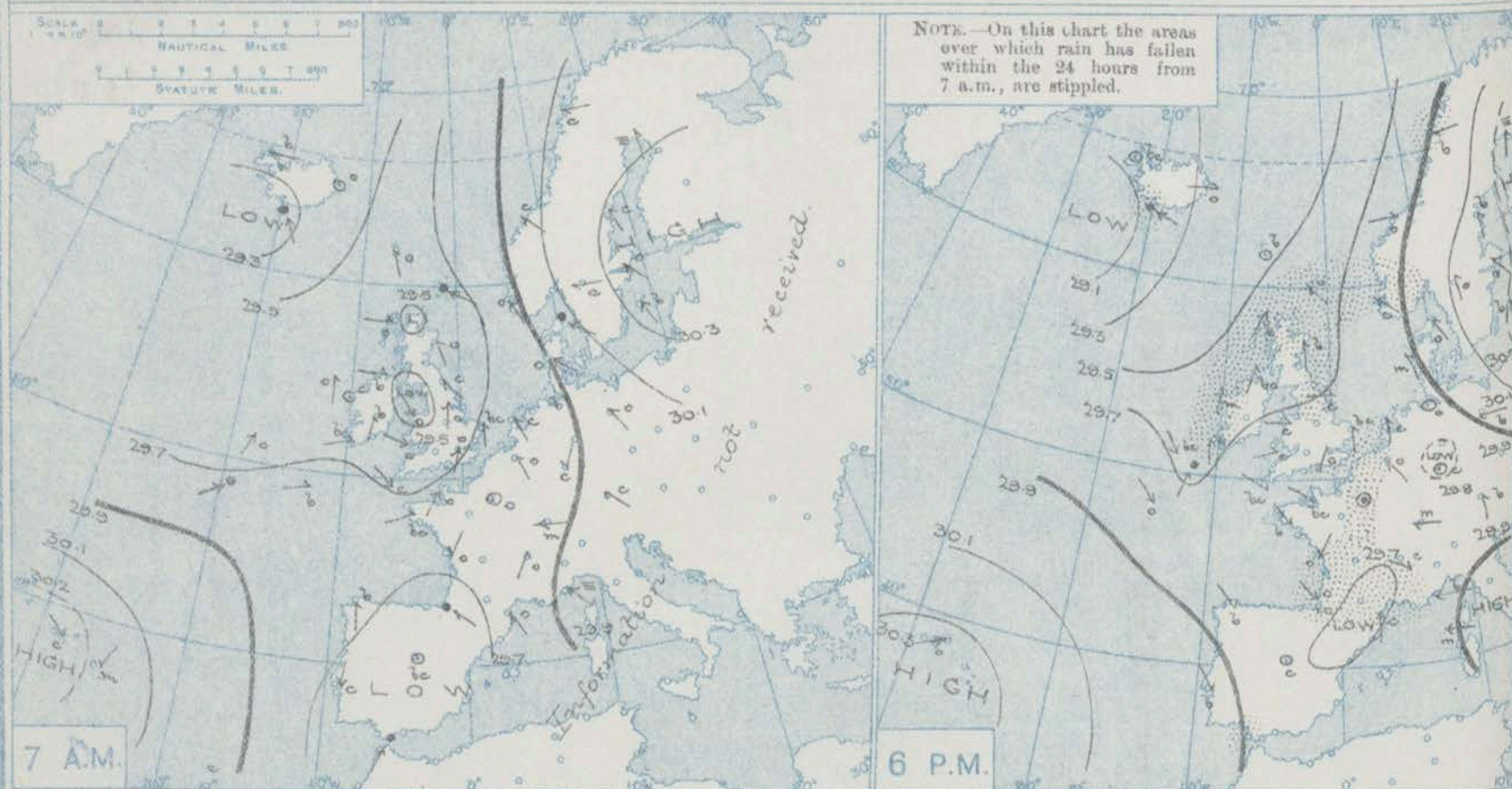
Monday,
31st March, 1913.

STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sub- siding for Yester- day.		
	Barom.		Temp.		Wind.	Force (0 to 12).	Weather.	Barometer.		Temp.		Wind.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	Temp.		Weather.						
	At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Dirac.	Change since 4 a.m.				Dry Bulb.	Change since Yester- day.	Max.	Min.						Morning, 7 a.m. to 1 p.m.	Afternoon, 1 p.m. to 6 p.m.	Night, 6 p.m. to 7 a.m.						
Spitzbergen	29.80	27	-	0	0		29.81	0.0	28	-1	SE	2	0	3	-	18.	30	23	4	8	2				Hours
Lerwick	29.55	44	SE	3	0		29.70	+0.3	43	0	SE	2	f	1	0.02	46	40	omd.	om.	f					
Stornoway	29.58	49	SW	4	6		29.60	+0.1	45	+6	S	6	f	5	0.02	53	38	o.b.c.	be.b.	be.b.	6.4				
Castlebay (Barra Isd.)	29.58	47	SSW	3	6		29.61	+0.2	43	0	W	2	op	2	0.17	49	41	b	b	b	10.7				
Malin Head	29.60	49	SW	1	bc		29.66	+0.4	41	-3	WSW	2	fm	1	0.07	50	41	bcy	bcy	om					
Blacksod Point	29.59	48	SSW	6	m		29.65	+0.2	41	+1	SSW	2	c	2	0.13	50	38	om	om	om					
Valencia	29.69	49	S	2	0		29.74	+0.3	41	-2	S	2	ov	4	0.13	53	41	bc	bc	op	5.3				
Roche's Point	29.75	48	SW	4	c		29.75		42	0	NW	2	c	2	0.04	52	40	b.b.c.	c	bcy					
Birr Castle	29.68	50	SW	2	c		29.71		40	+6	W	1	c	2	0.12	53	34	bc	c	cp	9.3				
Donaghadee	29.67	53	WSW	2	b		29.70	0.0	43	0	SW	2	c	1	-	54	42	bc	b	bc.					
Liverpool Obsy.	29.75	49	WSW	3	b		29.79	-0.1	37	-8	SSE	2	b	1	trace	50	36	od	o.b.	b.	1.3				
Holyhead	29.72	49	W	3	c		29.72	-0.1	45	0	S	4	bc	3	-	49	43	bc	bc	bc.	4.1				
Pembroke (St. Ann's Hd.)	29.79	46	WSW	3	c		29.74	-0.3	46	+1	SSW	3	c	3	trace	49	44	bc	bc	c.	9.2				
Newquay	29.83	50	NW	1	b		29.79	-0.1	44	-3	SE	2	bw	4	trace	52	38	bz.b	bc	bc	10.0				
Scilly (St. Mary's)	29.82	51	WNW	2	bc		29.72	-0.2	48	+1	SSW	3	am	3	-	54	45	bc	bc	bc	9.0				
Jersey (St. Aubin)	29.85	52	WNW	3	bc		29.86		46	-2	NW	2	cm	2	-	54	43	bc	bc	bc	7.8				
Portland Bill	29.81	49	WSW	3	b		29.84	+0.1	44	-3	N	1	c	2	0.01	50	42	b.c.	bc	bc					
Dungeness	29.79	49	SSW	3	b		29.79	0.0	45	-4	NNW	2	f	1	trace	53	44	b.c.	bc	bc					
Dover	29.83	47	SW	3	b		29.82		45	-4	NW	2	f	2	0.02	51	44	b.c.	bc	bc	10.2				
Wick	29.58	45	-	0	bc		29.64	0.0	42	-1	SSW	2	b	4	0.03	45	38	m.o.	c.b.	bc					
Nairn	29.59	51	SW	1	b		29.65		38	-2	SW	1	c	1	0.02	55	32	bc	b	b.c.	7.7				
Aberdeen	29.61	47	S	1	b		29.72	+0.1	36	-7	-	0	b	2	-	53	33	bc	bc	bc	4.4				
Leith	29.64	46	-	0	bc		29.71	+0.3	43	0	N	1	bc	2	-	53	34	o	o.b.	b					
North Shields	29.67	53	W	1	c		29.78	+0.2	39	-5	SW	2	cozy	2	0.02	54	36	r	o	c	1.7				
Spurn Head	29.73	48	WSW	3	0		29.79	0.0	41	-4	W	2	om	3	trace	52	40	c.o.	c.o.	o.c.	0.5				
Yarmouth	29.79	49	S	2	bc		29.83	0.0	45	-2	W	1	c	1	-	51	45	bc	c.b.	bc	5.0				
Clacton-on-Sea	29.79	48	S	2	c		29.81	-0.1	46	-1	NNW	1	o	0	-	53	46	c.b.	bc	bc	5.9				
Nottingham	29.75	49	W	3	0		29.82		35	-13	W	1	fe	2	trace	50	34	o	o.c.	o.c.	0.0				
Bath	29.81	49	W	1	b		29.85		39	-10	SSE	1	f	2	-	56	38	-	-	-	4.3				
London (Kew Obsy.)	29.81	53	SW	2	0		29.83	0.0	41	-7	SW	1	om	1	-	55	40	o.c.	bc	bc	0.8				
Isafjord	29.25	40	-	0	bc		29.21	+0.3	33	+1	-	0	c	1	-	-	-	-	-	-					
Reykjavik	29.10	45	E	1	b		29.12	-0.4	34	-4	E	1	f	1	-	-	-	-	-	-					
Vestmanna	29.14	41	ESE	5	f		29.19	+0.4	34	-6	-	0	f	3	-	-	-	-	-	-					
Seydisfjord	29.32	46	W	2	0		29.30	-0.1	41	+6	E	3	c	1	-	-	-	-	-	-					
Thorshavn	29.44	52	-	0	b		29.50	+0.1	43	+1	SSE	3	c	1	-	-	-	-	-	-					
Haparanda	30.21	30	SW	2	f		30.10	-0.1	21	-3	S	2	c	1	-	34	14	-	-	-					
Hernösand	30.17	33	S	2	b		30.08	+0.2	38	+6	S	2	o	1	-	39	32	-	-	-					
Stockholm	30.18	36	SSE	2	0		30.09	-0.1	40	+5	SE	2	o	1	-	45	34	-	-	-					
Wisby	30.20	36	S	2	b		30.06	-0.08	40	+2	SE	2	c	1	-	43	34	-	-	-					
Karlstad	30.11	38	S	2	0		30.07	+0.2	36	0	-	0	f	1	-	45	34	-	-	-					
Færder (Xlantia Fjord)	30.01	39	NE	1	0		29.98	0.0	39	+1	MNE	1	m	2	0.04	39	36	-	-	-					
Bodö	29.89	39	E	2	b		29.85	0.0	40	+5	ESE	2	c	1	0.39	43	34	-	-	-					
Christiansund	29.78	47	W	3	0		29.85	0.0	48	-1	SE	3	o	3	-	54	43	-	-	-					
Skudesnaes	29.81	44	SE	6	c		29.83	0.0	44	-1	SE	2	o	2	0.35	45	41	-	-	-					
The Scaw (Skagen)	29.97	42	SSE	5	0		29.91	-0.2	43	+1	ESE	2	m	0	-	43	39	-	-	-					
Blaavands Huk	29.87	45	SSE	2	m		29.88	-0.1	45	0	SE	1	f	1	-	57	43	-	-	-					
Cuxhaven	29.86	54	-	0	0		29.83	0.0	47	-3	N	2	m	1	-	64	45	-	-	-					
The Helder	29.88	46	S	1	c		29.83	-0.2	46	-4	-	0	o	1	0.04	55	45	-	-	-					
Brussels	29.86	52	SE	1	0		29.78	+0.2	47	-4	ENE	1	f	1	-	62	45	-	-	-					
Berlin	29.91	59	E	2	b		29.82	0.0	52	+7	SE	2	bc	1	-	66	45	-	-	-					
Frankfurt	29.78	59	-	0	c		29.78	0.0	49	-3	NE	1	f	1	-	72	45	-	-	-					
Munich	29.83	57	S	2	b		29.85	+0.1	54	+9	SSW	3	c	1	-	72	45	-	-	-					
C. Gris Nez	29.84	49	S	3	c		29.81	-0.1	46	-2	ENE	2	f	2	0.16	54	46	-	-	-					
La Hève	29.86	48	NNW	1	b		29.81		45	-1	MNE	1	o	1	-	57	41	-	-	-					
Brest (St. Marblieu)	29.91	51	NW	2	b		29.91	0.0	48	+1	SSW	2	b	4	-	57	46	-	-	-					
Lorient (Bec Molen)	29.80	52	NW	2	c		29.84.																		

* Information for these columns not usually received.

† Received too late for insertion in Charts.

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 30TH MARCH



GENERAL INFERENCE

WEATHER PROSPECTS.

Small depressions, too shallow to cause any serious increase in the force of the wind,

will maintain the weather generally in an unsettled condition during the ensuing 24 hours.

FORECASTS FOR THE 24 HOURS NOON Monday

TO NOON Tuesday.

0 { a Wind mainly Southerly, light or moderate; changeable, some rain, considerable fair intervals; moderate temperature.

1

2 { a Light variable winds, much cloud, some mist and fog, rain locally; temperature rather low.

3

4 { a Becoming fairer to-morrow.

4 { b

5

FORECAST DISTRICTS.



STORM WARNINGS.

The Coast upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.

South Coast.

North Coast.

Signals hoisted this morning.

South Coast.

North Coast.

No Warnings Issued.

6 { a Same as Nos. 0 and 1.

6 { b

7 { a Wind mainly between South and West, light or moderate; much cloud

7 { b

8 { a generally, some rain and mist; moderate or rather low temperature

8 { b

9 { a

9 { b

10 { a

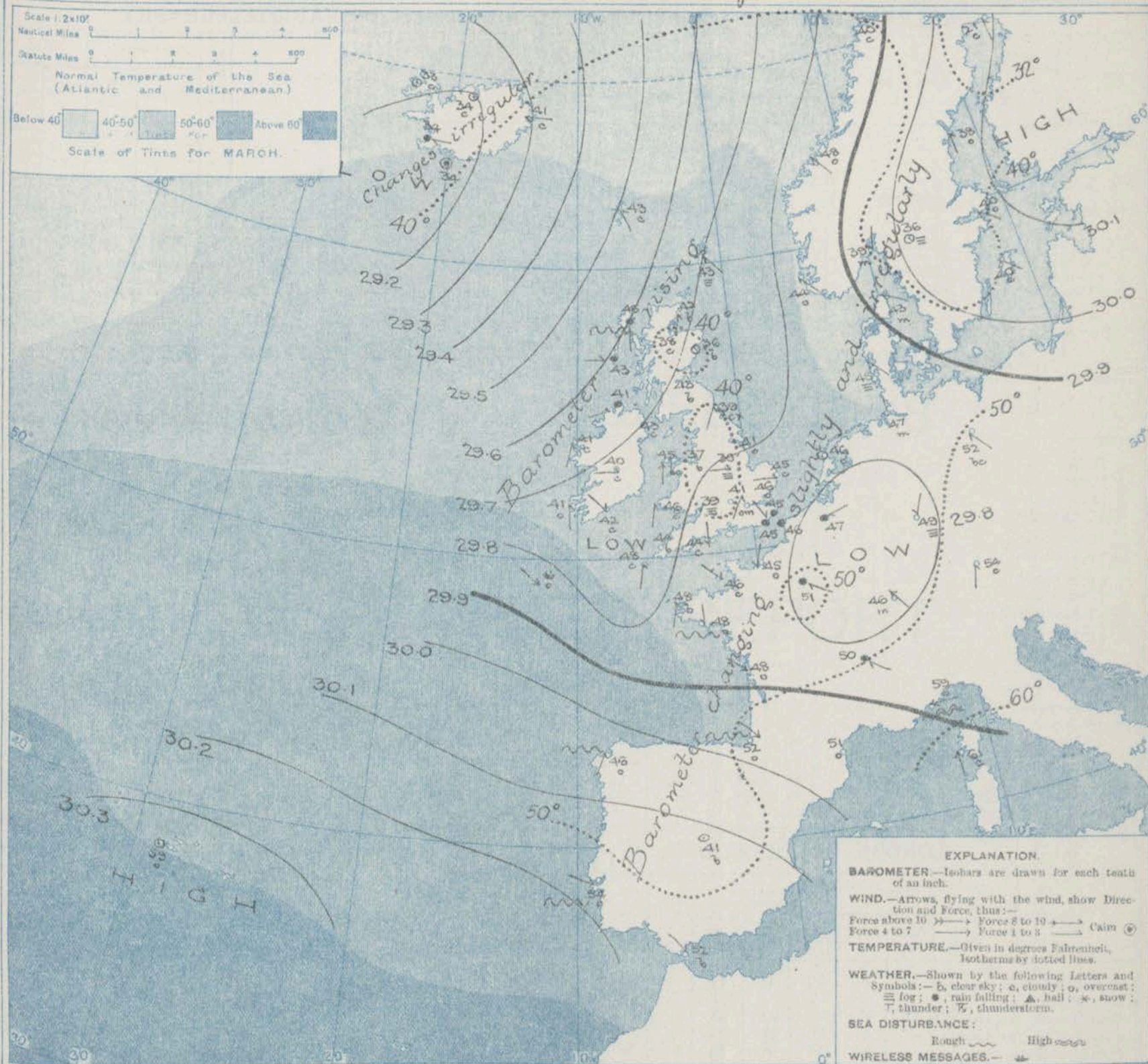
10 { b

11 WESTERN CHANNEL AND BAY.

{ Southerly to Westerly winds, light or moderate; some mist and rain, then improving; sea slight.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. Monday, 31st MARCH 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The barometer is below 29.2 in. over the western half of Iceland, relatively low in shallow depressions in the west and south-west of the United Kingdom, and also over the Netherlands, while the readings increase to above 30 in. in Sweden and also in the Spanish Peninsula. At the Azores pressure is above 30.3 in.

The wind blows a strong breeze at Stornoway, but generally it has very little force. On most parts of our western and northern coasts it is between South and South-West, but draws into the Northward in the south-east and south of England,

and on the opposite side of the Channel. Over Scandinavia the direction is mainly Southerly to South-easterly. Temperature has fallen in most parts of Great Britain and is as low as 35° at Nottingham, and 36° at Aberdeen. At Scilly the reading is 48° and at Pembroke, Bletton-on-Sea, and Jersey 46°. The weather over the United Kingdom varies greatly. In a few northern localities the sky is nearly clear, but generally there is much cloud, with some mist or fog over England, while in the extreme NW. and on the coast of Kent rain is falling. Rain is also reported at Brussels, Cape Gris Nez, Paris & Lyons.

DAILY WEATHER REPORT.

Monday, 31st March, 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
31st, 7am	49	10	Zeeland	H	29.83	-0.04	WNW	4-5	o	30th, 7am	48	19	Island	H	29.79	-0.01	SW	4-5	f.
30th, 6pm	48	15		H	29.84	+0.03	NW	4-5	o	-	51	18	Victorian	O	29.55	-0.05	SW	4-5	o.
"	51	13	Canada	H	29.71	+0.06	NW	4-5	bc.	"	49	14	Minnewaska	H	29.77	0.00	WSW	1-3	b.
"	51	11	Franconia	O	29.60	-0.05	SW	4-5	f.	"	54	11	Baledonia	H	29.56	+0.04	S	1-3	b.
1pm	54	12	Scandinavian	O	29.63	-0.02	SSW	4-5	bc.										

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scotland.	In.					Hr.	Margate	In.					Hr.
Oban	0.00	50	42	o.c.	o	0.1	Ramsgate	0.06	54	46	b	b	1.8
Stonehaven	0.00	53	43	o.c.	o.c.	0.3	Deal	0.00	55	46	bc.	bc.	8.6
St. Andrews	0.00	53	43	o.c.	o.c.	0.3	Folkestone	0.00	52	46	bc.	b	9.2
Carnoustie	0.00	53	43	o.c.	o.c.	0.3	Littlestone	0.00	53	47	bc.	b	7.5
England, N.E.							Hastings	0.00	53	47	bc.	b	6.4
Harrogate	0.24	50	42	o.c.	o	0.1	Bexhill-on-Sea	0.00	53	48	bc.	bc.	6.8
Scarborough	0.00	53	43	o.c.	o.c.	0.3	Eastbourne	0.00	53	47	bc.	bc.	6.5
Blackpool	0.12	48	40	o.c.	o.c.	1.6	Seaford	0.00	52	47	bc.	bc.	6.8
Southport	0.13	48	45	o	o.c.	0.5	Brighton	0.00	52	47	bc.	bc.	6.8
Buxton to 2 p.m.	0.56	47	35	cm	bc.	0.0	Worthing	0.00	53	48	b	b	7.2
Matlock	0.00	52	44	bc.	bc.	3.2	Littlehampton	0.00	56	46	bc.	bc.	6.0
Douglas	0.00	52	44	bc.	bc.	3.0	Bognor	0.00	56	46	bc.	bc.	5.2
Wales.							Southsea	0.18	58	46	bc.	bc.	7.1
Rhyl	0.08	52	44	bc.	bc.	3.2	Bournemouth	0.04	57	46	bc.	b	8.0
Colwyn Bay	0.05	52	44	bc.	bc.	3.0	Weymouth	0.17	59	46	bc.	b	8.7
Llandudno	0.01	51	44	bc.	bc.	2.8	Teignmouth	0.21	58	48	b	b	8.6
Bettws-y-Coed	0.00	52	45	bc.	bc.	6.0	Torquay	0.29	59	44	b	b	7.5
Aberystwyth	0.06	49	44	m.	by	4.0	Paignton	0.03	51	44	bc.	b	6.0
England, S.W.							Ilfracombe	0.03	51	44	bc.	b	6.0
Lowestoft	0.00	52	45	bc.	bc.	6.0	Weston-super-Mare	0.18	51	44	bc.	b	6.0
Felixstowe	0.00	55	45	bc.	bc.	6.4							
Walton-on-Naze	0.00	51	47	bc.	bc.	6.5							
Southend-on-Sea	0.00	55	46	b	b	5.3							

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.		Rain- fall.	WEATHER.			Sun- shine for Yesterday.	STATIONS.	Rain- fall.	TEMPERATURE.		WEATHER.			Sun- shine for Yesterday.
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.	Min. on Globe.		Fore- noon.	After- noon.	Night.				In Screen.	Min. on Globe.	Night.	Fore- noon.	After- noon.	
Greenwich (Royal Observatory) ...	71	91	57	41	33	o	o	o.c.m.	2.5	Dublin to 4 p.m.	0.00	55	42	41	bc.	bc.	bc.
City (Bunhill Row) ...	85	96	55	41	35	u.c.	bc	u.m.	1.7	Plymouth to 9 p.m.	0.20	57	46		bc.	b	9.0
Westminster (St. James's Park) ...	85	96	55	41	35	u.c.	bc	u.m.	1.9	Darwen	0.00	50	43		bc.	bc.	0.0
Camden Sq. (Brit. Rainfall) ...	85	96	55	41	35	u.c.	bc	u.m.	1.6	Manchester	0.00	50	43		bc.	bc.	0.0
Hampstead (Reservoir) ...	85	96	55	41	35	u.c.	bc	u.m.	0.8	Birmingham	0.16	49	44	40	bc.	bc.	0.5
Kew. (See front page.)	85	96	55	41	35	u.c.	bc	u.m.	0.8	Oxford to 8 p.m.	0.00	53	45	35	bc.	bc.	0.0
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.										S. Kensington (Museum Grounds to 6 p.m.)							
Total.										-							
Average Rate.										-							
Max. Rate.										-							
S. Kensington (Roof of M.O.)										-							

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

31st March 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 5.32 5.30	G.M.T. 11.57 11.57	G.M.T. 6.22 6.24
Greenwich	5.40 5.38	12.4 12.4	6.28 6.30
Wick	5.45 5.42	12.16 12.16	6.48 6.50
Valencia	6.21 6.19	12.45 12.45	7.9 7.11

NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature rose to above 50° in most parts of the Kingdom, and to above 55° at some southern and south-western stations. During the night the thermometer fell to 32° at Rain. Rain has fallen in the west and north of the Kingdom, the largest measurement being 0.17 in. at Castlebay. The duration of bright sunshine was large over the southern half of England generally, more than 8 hours at many stations, 10.2 hour at Dover. The day was also very bright in some parts of Ireland and Scotland.

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; o, 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; y, 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.

ADDITIONS AND CORRECTIONS
TO THE
DAILY WEATHER REPORT.

MARCH, 1913.

ADDITIONS AND CORRECTIONS TO THE

1.—REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS			GALES.	
		Barom.	TEMP.		Wind.	Force (0 to 12).	Weather.	Barometer.		TEMP.		Wind.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain-fall.	TEMP.		Duration and Extreme Force on British Coasts.		
			At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.				Change since 4 a.m.	Dry Bulb.	Change since Yesterday.	Max.						Min.				
<u>Additions.</u>																					
8th, Aberdeen. 11 a.m. - 12 noon.																					
Extreme W-WNW. 8.																					
Squall 55 m.p.h.																					
10th, Aberdeen. 6 p.m.																					
Extreme W. 9.																					
11th, Aberdeen. 11 noon.																					
Squall 43 m.p.h. (8)																					
<u>Corrections</u>																					
16th, Southport. 8 a.m. - 1 p.m.																					
Extreme W. 8.																					
Gusto 61 m.p.h. (10)																					
and 11.35 p.m.																					
Squall 63 m.p.h. (10)																					
from WSW																					

Additions.
 8th, Aberdeen. 11 a.m. - 12 noon.
 Extreme W. - WNW. 8.
 Squall 55 m.p.h.
 10th, Glasgow. 6 p.m.
 Extreme W. 9.
 11th, Aberdeen. 11 noon.
 Squall 43 m.p.h. (8)
Corrections
 16th, Southport. 8 a.m. - 1 p.m.
 Extreme W. 8.
 Gusts 61 m.p.h. (10)
 and 11.35 p.m.
 Squall 63 m.p.h. (10)
 from WSW

REPORTS FOR MARCH, 1913.

2.—CORRECTIONS.

[illegible]

WIRELESS TELEGRAMS.

ADDITIONS AND CORRECTIONS—MARCH, 1913.

DATE OF REPORT.	DATE AND HOUR OF OBSERVATION.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE OF REPORT.	DATE AND HOUR OF OBSERVATION.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
		Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.				Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
						In.	In.		(0-12).								In.	In.		(0-12).	
ADDITIONS.											CORRECTIONS.										
											1st	28th, Jan			<u>Zicliar</u>					5	
											3rd	2nd, Jan	15		<u>Victorian</u>						
											"	3rd, Jan	51 13		<u>California</u>						
											"	2nd, "	15		<u>Victorian</u>						
											8th	8th, "	50		<u>Carpathia</u>		+09				
											9th	"	"		<u>Royal Edward</u>		30.29				
											"	"	6pm		<u>Minominee</u>			WNW	4		
											"	"	"	19	<u>Baltic</u>						
											"	"	"		<u>Royal Edward</u>		-04				
											10th	9th, Jan			<u>Carpathia</u>					7	
											"	"	6pm		<u>Minominee</u>		30.30			7	
											13th	12th, Jan			<u>Manitou</u>		30.15				
											"	"	6pm				30.20				
											"	13th, Jan					30.14				
											14th	"	6pm	12	<u>Baltic</u>		29.84	-01			
											16th	15th, Jan			<u>Ramona</u>		29.68	+03			
											20th	19th, 6pm			<u>Francina</u>				W	8	
											22nd	21st, Jan	24		<u>Victorian</u>						
											"	"	"		<u>Bongolian</u>		+12				
											"	"	6pm		<u>Victorian</u>						berg
											"	22nd, Jan	14								
											23rd	"	"		<u>Kronland</u>		29.95	+01			
											"	"	6pm		<u>California</u>		29.89				
											"	"	47		<u>Ascania</u>						
											24th	23rd, "			<u>California</u>					2	
											"	"	"	15	<u>Ramona</u>						
											"	24th, Jan			<u>California</u>				W		
											25th	"	"		<u>St. Charles</u>		30.14				
											"	"	6pm				30.14	-02			
											26th	25th, Jan			<u>Barquette</u>		30.07	+02		3	
											"	"	6pm								3
											28th	28th, Jan			<u>Baltic</u>						09
											29th	"	6pm								