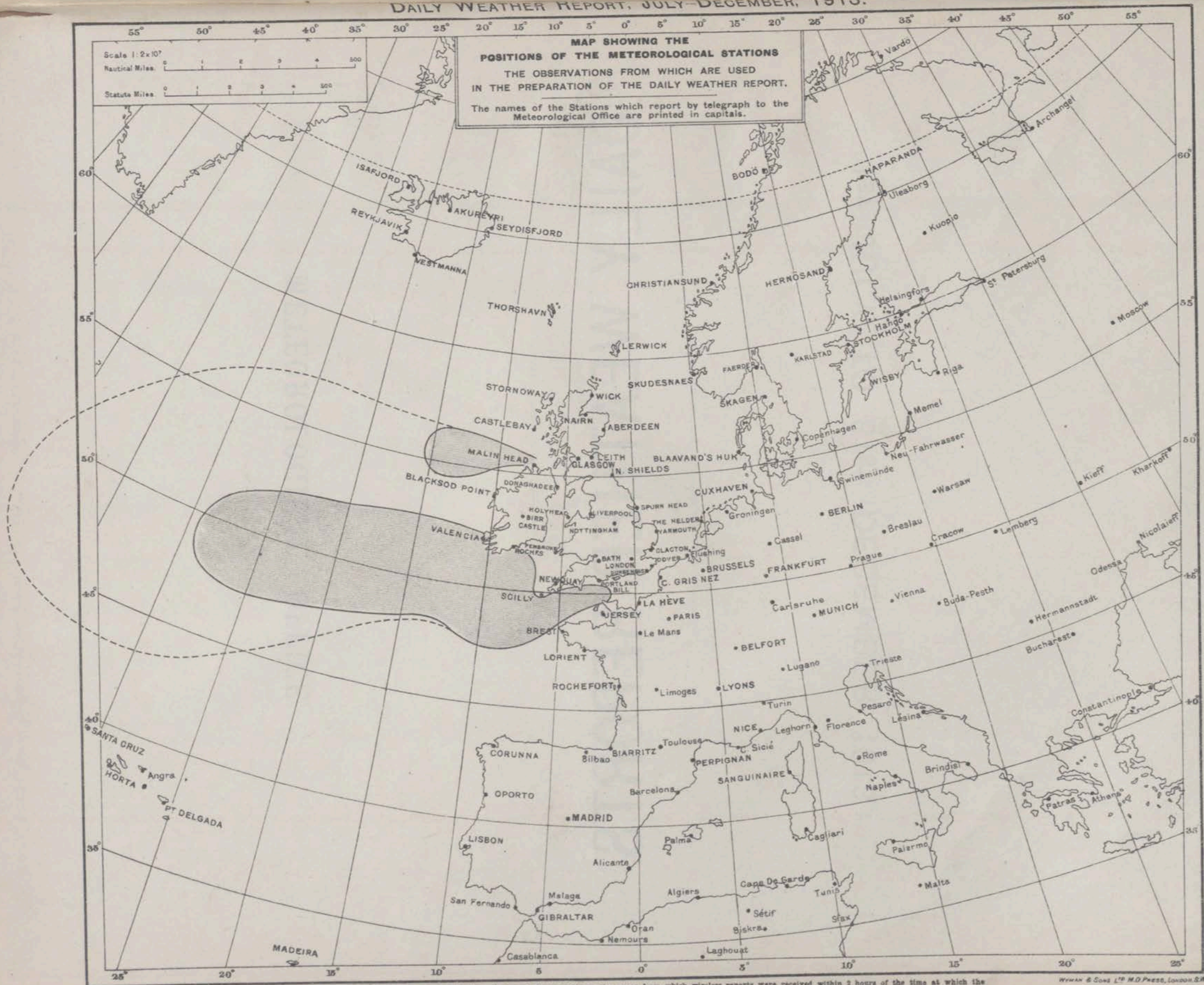


METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1ST JULY TO 31ST DECEMBER 1913.



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.

THIRD QUARTER, JULY TO SEPTEMBER.

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

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.					
						Temp.	Year.	Temp.	Year.				
Sumburgh Head.....	29° 862	50° 5	49° 0	57° 0	48° 0	70	1897	57	1888	18	2° 33	—	—
Stornoway.....	29° 897	52° 5	50° 7	60° 1	48° 9	76	1894	52	1888	20	2° 33	144	27
Castlebay (Barra Isd.)..	[29° 874]44	[53° 9]44	[51° 9]44	[58° 3]44	[51° 3]44	[71]44	[1908]44	[47]44	[1910]44	[19]44	[2° 05]44	[161]44	[31]44
Malin Head.....	29° 903	54° 1	53° 1	60° 6	52° 4	75	1887	42	[1888, 02]	[19]	[2° 38]	—	—
Blackod Point.....	29° 955	56° 3	54° 5	62° 3	53° 4	80	1894	42	1888	22	3° 14	—	—
Valencia.....	30° 012	58° 8	54° 8	63° 9	53° 7	80	1878	40	1907	20	3° 61	156	32
Roche's Point.....	30° 014	58° 5	54° 9	65° 2	53° 8	84	1876	43	1907	15	2° 88	—	—
Birr Castle.....	29° 983	56° 8	52° 1	66° 2	51° 7	89	1876	37	1889	17	2° 99	142	28
Donaghadee.....	29° 953	54° 1	52° 5	63° 3	51° 8	81	1876	40	1883, 02	17	2° 91	—	—
Liverpool (Observatory).....	29° 971	56° 1	53° 4	65° 6	54° 2	88	1901	44	1877	15	2° 89	[186]44	[37]44
Holyhead.....	29° 969	56° 7	54° 9	63° 3	53° 6	85	1901	43	1888	16	2° 71	—	—
Pembroke (St. Ann's Hd.).....	29° 993	55° 6	54° 4	62° 3	54° 7	80	1878	43	1910	15	2° 47	209	42
Scilly (St. Mary's).....	30° 146	57° 6	55° 5	64° 7	56° 4	75	1886, 01, 02	47	1910	16	2° 24	218	45
Jersey (St. Aubin's).....	30° 066	59° 3	57° 0	68° 3	56° 3	87	1900, 01	44	1907, 09	13	2° 01	247	51
Portland Bill.....	30° 010	57° 5	55° 8	64° 7	55° 9	[79]44	[1901]44	[49]44	[1900, 07]44	11	1° 75	—	—
Dungeness.....	29° 968	58° 0	56° 0	66° 5	55° 4	82	1900	40	1890	12	1° 83	—	—
Dover.....	[29° 993]44	[58° 0]44	[55° 7]44	[64° 7]44	[52° 8]44	[74]44	[1908]44	[46]44	[1908, 09, 10]44	[15]44	[2° 61]44	[180]44	[37]44
Wick.....	29° 885	52° 2	50° 3	61° 1	48° 4	81	1878	30	1880	18	2° 06	—	—
Nairn.....	29° 892	53° 0	50° 7	64° 2	49° 4	86	1878	30	1906	17	2° 07	[135]**	[36]**
Aberdeen.....	29° 909	54° 5	51° 9	63° 1	50° 3	86	1878	38	1898, 03	17	2° 79	160	30
Leith.....	29° 915	55° 4	52° 3	66° 0	51° 3	86	1878	41	1887, 8, 92, 03	17	2° 73	—	—
North Shields.....	29° 931	55° 5	52° 9	64° 2	51° 3	85	1878	39	1909	15	2° 56	—	—
Spurn Head.....	29° 944	56° 4	54° 3	64° 9	54° 6	[84]*	[1881, 1900]*	[44]*	[1888]*	13	1° 92	—	—
Yarmouth.....	29° 959	57° 1	54° 6	66° 0	54° 6	87	1881	42	1890	14	2° 44	[177]44	[36]44
Clacton-on-Sea.....	29° 988	58° 0	55° 5	67° 7	54° 6	[82]44	[1905]44	[40]44	[1902]44	10	1° 80	[202]44	[41]44
Nottingham.....	29° 974	56° 7	54° 4	70° 1	52° 1	92	1876	37	1888	15	2° 39	[190]44	[38]44
Bath.....	30° 019	58° 5	55° 4	69° 4	53° 4	[91]44	[1876]44	[39]44	[1906]44	13	2° 63	204	41
Oxford.....	29° 987	58° 3	54° 8	70° 0	53° 5	90	1876, 00	41	1888	14	2° 47	201	41
LONDON { Westminster.....	29° 990	57° 8	55° 1	[69° 7]44	[54° 8]44	[83]44	[1908]44	[45]44	[1907]44	[14]44	[1° 99]44	179	36
LONDON { Kew.....	30° 009	57° 7	54° 8	70° 8	54° 3	90	1881	43	1882, 84	13	2° 30	204	41
Sumburgh Head.....	29° 789	51° 5	49° 9	57° 2	48° 3	82	1910	38	1885, 05, 09	20	3° 11	—	—
Stornoway.....	29° 838	53° 9	51° 3	60° 0	49° 0	75	1897, 99	33	1888	22	3° 50	112	28
Castlebay (Barra Isd.)..	[29° 874]44	[54° 2]44	[52° 5]44	[60° 5]44	[51° 5]44	[68]44	[1910]44	[47]44	[1908, 09]44	[20]44	[4° 07]44	[159]44	[30]44
Malin Head.....	29° 856	54° 5	54° 0	61° 0	52° 9	80	1900	43	1891	[22]44	3° 09	—	—
Blackod Point.....	29° 907	57° 0	55° 1	62° 0	53° 5	[78]44	[1899]44	[42]44	[1887, 88]44	[28]44	[4° 84]44	—	—
Valencia.....	29° 976	57° 5	55° 5	64° 2	53° 9	81	1890	42	1890	23	6° 09	152	34
Roche's Point.....	29° 985	56° 6	55° 5	64° 9	53° 8	80	1890	44	1883, 03, 01	17	4° 01	—	—
Birr Castle.....	29° 949	56° 5	54° 9	65° 6	51° 2	82	1892, 99, 00	35	1885, 87	18	3° 85	142	32
Donaghadee.....	29° 912	54° 0	53° 3	63° 1	52° 0	78	1890	38	1886	19	3° 27	—	—
Liverpool (Observatory).....	29° 941	56° 7	54° 2	65° 1	54° 0	85	1876, 84, 93, 99	44	1885	17	3° 16	[161]44	[36]44
Holyhead.....	29° 941	57° 3	55° 7	63° 4	54° 1	83	1893	46	1888	17	3° 39	—	—
Pembroke (St. Ann's Hd.).....	29° 971	57° 0	55° 8	62° 8	55° 3	78	1893	47	1885, 88	16	3° 27	193	43
Scilly (St. Mary's).....	30° 126	58° 7	56° 9	65° 0	56° 9	75	1893, 99	50	1885, 90, 95	17	2° 68	234	51
Jersey (St. Aubin's).....	30° 057	61° 2	58° 5	68° 8	57° 2	89	1893	45	1890, 09	15	2° 43	242	55
Portland Bill.....	30° 003	59° 3	57° 5	65° 5	56° 8	[78]44	[1901]44	[49]44	[1904, 10]44	13	2° 00	—	—
Dungeness.....	29° 982	59° 6	57° 8	67° 2	56° 0	82	1904	39	1890	13	2° 13	—	—
Dover.....	[29° 993]44	[59° 3]44	[56° 9]44	[68° 4]44	[53° 8]44	[83]44	[1909]44	[40]44	[1909]44	[15]44	[2° 49]44	[230]44	[50]44
Wick.....	29° 827	52° 4	50° 9	61° 1	48° 2	85	1893	30	1880	20	2° 75	—	—
Nairn.....	29° 836	53° 7	51° 0	63° 7	49° 1	80	1890	33	1885, 91, 04	19	2° 59	[132]**	[28]**
Aberdeen.....	29° 860	54° 5	52° 4	62° 7	49° 9	81	1880, 82, 99, 06	33	1885	18	2° 95	152	33
Leith.....	29° 866	55° 4	52° 9	65° 6	51° 1	85	1893, 1906	39	1891, 02	17	2° 95	—	—
North Shields.....	29° 898	55° 6	53° 4	64° 1	51° 2	83	1893	38	1892, 02	16	2° 84	—	—
Spurn Head.....	29° 927	57° 2	55° 3	64° 9	54° 6	[87]*	[1893]*	[46]*	[1908]*	15	2° 13	—	—
Yarmouth.....	29° 957	58° 0	55° 6	66° 2	54° 4	85	1893	41	1902	15	2° 51	[206]44	[46]44
Clacton-on-Sea.....	29° 987	58° 9	56° 4	67° 6	55° 0	[84]44	[1909]44	[43]44	[1908]44	13	1° 90	[211]44	[47]44
Nottingham.....	29° 967	56° 3	54° 7	68° 7	51° 4	94	1876	37	1876, 08	17	2° 82	[181]44	[40]44
Bath.....	30° 006	58° 0	55° 6	68° 9	52° 5	[92]44	[1876]44	[40]44	[1877, 04]44	14	3° 00	198	44
Oxford.....	30° 008	58° 9	55° 8	68° 9	52° 7	90	1876, 06	39	1892	14	2° 47	187	42
LONDON { Westminster.....	29° 991	58° 2	56° 2	[69° 7]44	[54° 7]44	[91]44	[1908]44	[46]44	[1905, 07]44	[13]44	[1° 80]44	172	39
LONDON { Kew.....	30° 008	57° 9	55° 5	69° 6	53° 6	92	1876	41	1890	14	2° 36	191	43
Sumburgh Head.....	30° 000	49° 0	47° 8	54° 8	46° 3	69	1893	34	1887, 88	20	3° 18	—	—
Stornoway.....	30° 037	50° 7	49° 1	57° 5	46° 2	77	1906	32	1885	21	3° 06	115	30
Castlebay (Barra Isd.)..	[30° 041]44	[52° 4]44	[50° 5]44	[58° 8]44	[49° 9]44	[63]44	[1910]44	[44]44	[1908, 09, 10]44	[16]44	[3° 17]44	[126]44	[34]44
Malin Head.....	30° 059	52° 8	52° 2	60° 7	50° 7	[84]44	[1906]44	[38]44	[1893]44	[18]44	[2° 76]44	—	—
Blackod Point.....	30° 090	55° 0	53° 2	60° 0	51° 2	[78]44	[1898]44	[39]44	[1890]44	[20]44	[4° 08]44	—	—
Valencia.....	30° 114	53° 6	51° 7	61° 8	51° 3	79	1898, 06	35	1890	19	4° 09	132	35
Roche's Point.....	30° 127	54° 1	53° 1	61° 8	51° 3	74	1880	39	1893	15	3° 11	—	—
Birr Castle.....	30° 114	52° 4	51° 0	61° 9	47° 2	80	1906	29	1899	15	2° 53	126	33
Donaghadee.....	30° 107	52° 0	51° 0	60° 2	49° 3	75	1906	36	1882, 94, 99, 09	16	2° 82	—	—
Liverpool (Observatory).....	30° 120	53° 0	50° 7	61° 3	50° 8	87	1906	39	1885	15	2° 55	[114]44	[30]44
Holyhead.....	30° 109	54° 9	53° 1	60° 8	51° 9	73	1880	42	1903, 07	16	2° 80	—	—
Pembroke (St. Ann's Hd.).....	30° 109	54° 3	53° 0	60° 6	52° 9	74	1895	40	1885	15	2° 81	150	40
Scilly (St. Mary's).....	30° 223	56° 3	54° 7	62° 3	54° 8	73	1899	44	1885, 88	16	2° 57	170	46
Jersey (St. Aubin's).....	30° 132	57° 3	54° 9	65° 8	54° 7	89	1906	41	1891	15	2° 67	184	49
Portland Bill.....	30° 112	56° 4	54° 9	63° 0	53° 8	[71]44	[1906]44	[33]44	[1902, 03, 10]44	14	2° 08	—	—
Dungeness.....	30° 100	55° 9	53° 8	64° 0	52° 4	81	1906	32	1885	14	1° 79	—	—
Dover.....	[30° 089]44	[54° 7]44	[53° 1]44	[62° 8]44	[50° 4]44	[75]44	[1908]44	[39]44	[1908]44	[13]44	[1° 63]44	[173]44	[46]44
Wick.....	30° 022	49° 9	48° 3	58° 2	45° 8	78	1898	29	1885, 87, 07	19	2° 52	—	—
Nairn.....	30° 042	49° 1	47° 6	60° 3	45° 3	84	1906	25	1882	19	2° 11	[120]**	[32]**
Aberdeen.....	30° 071	50° 6	49° 0	59° 4	46° 6	82	1906	50	1887	17	2° 38	125	33
Leith.....	30° 074	51° 4	49° 5	62° 1	47° 8	83	1898	33	1886, 1905	14	1° 84	—	—
North Shields.....	30° 096	51° 3	49° 6	60° 7	47° 9	88	1906	34	1885, 89, 93, 07	14	1° 75	—	—
Spurn Head.....	30° 094	53° 7	52° 0	61° 2	51° 9	[79]*	[1899]*	[38]*	[1892, 09]*	12	1° 61	—	—
Yarmouth.....	30° 098	54° 3	52° 4	62° 2	51° 4	78	1880, 98	33	1885	14	2° 13	[188]44	[37]44
Clacton-on-Sea.....	30° 113	55° 0	53° 0	63° 2	51° 4	[79]44	[1906]44	[38]44	[1904]44	10	1° 65	[173]44	[46]44
Nottingham.....	30° 120	51° 1	49° 9	64° 0	47° 5	94	1887	30	1887	15	1° 92	[118]44	[31]44
Bath.....	30° 143	52° 5	50° 8	64° 7	48° 3	[88]44	[1906]44	[34]44	[1906]44	12	2° 32	188	37
Oxford.....	30° 150	53° 0	50° 9	64° 4	48° 5	92	1906	33	1886</				

* Results for 30 years, 1881-1910.

+ " " 28 " 1876-1884 and 1899-1910.

+ " " 25 " 1886-1910.

At Birr Castle and Oxford the averages are for 8 a.m.

+ Results for 11 years, 1900-1910.

+ " " 10 " 1901-1910.

+ " " 7 " 1904-1910.

* Results for 6 years, 1905-1910.

** " " 4 years, 1907-1910.

+ " " 3 " 1908-1910.

DAILY WEATHER REPORT. APPENDIX I.

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

FOURTH QUARTER, OCTOBER TO DECEMBER.

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

OCTOBER.

NOVEMBER.

DECEMBER.

STATIONS.	PRESSURE. 1906-1910. 7 a.m. Observations (reduced to M.S. Level and to Lat. 45°).	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.								
Sumburgh Head	In. 29.738	47.3	45.8	50.1	42.0	63	1908	28	1887	25	4.12	—	—				
Stornoway	29.772	47.6	46.2	51.9	40.9	70	1888	26	1880	24	5.36	85	27				
Castlebary (Barra Isd.)	[29.881]44	[51.0]44	[49.2]44	[54.1]44	[48.3]44	[63]44	[1908]44	[34]44	[1909]44	[19]44	[3.11]44	[80]44	[25]44				
Malin Head	29.755	49.8	48.8	53.0	45.6	73	1908	32	1882	21	3.11	—	—				
Blackod Point	29.705	51.5	49.4	54.5	45.9	71	1908	29	1895	23	5.10	—	—				
Valencia	29.788	52.1	49.7	56.5	46.6	71	1908	28	1892	22	5.23	101	31				
Roche's Point	29.817	51.5	50.5	56.1	46.4	65	1880, 4, 6	42	1881	18	4.05	—	—				
Birr Castle	29.810	47.8	46.7	54.0	40.9	74	1908	22	1880, 1905	18	2.87	96	30				
Donaghadee	29.828	49.5	48.2	54.1	44.1	66	1898	21	1892	18	2.97	—	—				
Liverpool (Observatory)	29.863	48.9	47.2	54.1	44.8	73	1908	27	1895	19	3.36	[90]44	[30]44				
Holyhead	29.831	51.7	50.4	54.9	47.0	75	1908	32	1892	19	4.06	—	—				
Pembroke (St. Ann's Hd.)	29.825	52.0	50.5	55.3	48.2	67	1908	33	1895	19	4.18	103	32				
Scilly (St. Mary's)	29.944	53.5	51.8	57.3	50.3	69	1895	38	1895, 96	21	3.70	117	36				
Jersey (St. Aubin's)	29.900	54.6	52.5	59.0	49.4	76	1908	33	1887	21	4.53	126	38				
Portland Bill	29.882	54.6	53.2	56.9	48.6	[67]44	[1908]44	[35]44	[1905, 08]44	17	3.86	—	—				
Dunegness	29.897	53.6	52.0	57.2	46.3	70	1888, 1908	23	1890	17	[3.23]44	—	—				
Dover	[30.017]44	[52.6]44	[51.3]44	[58.8]44	[48.4]44	[74]44	[1908]44	[30]44	[1909]44	[12]44	[4.39]44	[120]44	[37]44				
Wick	29.790	47.3	45.5	52.2	40.6	73	1898	22	1885	21	3.09	—	—				
Nairn	29.796	45.4	43.7	52.9	39.5	76	1908	19	1896	19	2.50	[108]**	[35]**				
Aberdeen	29.840	47.7	46.4	52.8	41.5	74	1883	25	1880	20	2.95	97	31				
Leith	29.828	48.8	46.8	54.9	42.0	75	1908	25	1894	17	2.40	—	—				
North Shields	29.859	48.9	47.6	54.0	42.4	77	1908	27	1890, 92, 95, 1909	18	2.97	—	—				
Spurn Head	29.873	51.5	50.1	54.4	46.0	[70]*	[1900]*	[33]*	[1887, 95]*	17	2.40	—	—				
Yarmouth	29.905	51.9	50.3	54.9	45.2	74	1900, 08	27	1895	18	2.88	[107]44	[33]44				
Clacton-on-Sea	29.912	52.7	51.3	55.6	45.7	[71]44	[1908]44	[29]44	[1905]44	14	2.00	[108]44	[33]44				
Nottingham	29.887	48.1	47.4	55.3	41.9	78	1908	20	1890	20	2.57	[85]44	[30]44				
Bath	29.893	49.9	48.5	57.1	42.8	[77]44	[1908]44	[24]44	[1905]44	15	3.18	97	30				
Oxford	29.917	49.7	48.5	56.0	42.6	76	1886, 1908	23	1890	16	2.78	99	31				
LONDON { Westminster	29.900	51.4	50.1	[58.8]44	[46.7]44	[79]44	[1908]44	[29]44	[1905, 09]44	[17]44	[12.33]44	71	22				
LONDON { Kew	29.912	50.2	49.0	56.0	43.4	77	1886	25	1881, 95	17	2.70	93	29				
Sumburgh Head	29.729	43.1	40.5	46.1	38.7	58	1901	25	1880, 93, 04	24	4.00	—	—				
Stornoway	29.782	43.6	41.4	47.3	37.8	58	1897, 01, 02	20	1880	21	5.61	42	18				
Castlebary (Barra Isd.)	[29.811]44	[45.2]44	[43.3]44	[48.5]44	[41.3]44	[55]44	[1908, 09]44	[32]44	[1909, 10]44	[21]44	[4.00]44	[61]44	[26]44				
Malin Head	29.811	44.9	43.8	48.6	41.8	[59]44	[1894, 9, 06]44	[30]44	[1909]44	[21]44	[3.20]44	—	—				
Blackod Point	29.868	46.2	44.3	50.3	42.1	[60]44	[1897, 09]44	[28]44	[1890]44	[23]44	[5.00]44	—	—				
Valencia	29.819	46.2	43.9	52.2	42.7	63	1881	27	1890, 96, 01	23	5.48	66	26				
Roche's Point	29.850	45.3	44.3	51.3	42.3	61	1908, 09	27	1890	19	4.32	—	—				
Birr Castle	29.913	39.9	38.9	49.2	36.8	62	1899	17	1909	18	3.06	94	25				
Donaghadee	29.880	43.6	42.6	49.1	39.8	60	1894, 09	27	1878, 83	19	3.07	—	—				
Liverpool (Observatory)	29.902	42.2	40.7	48.3	40.0	61	1894, 85, 90	23	1880	18	2.60	[75]44	[30]44				
Holyhead	29.887	46.3	44.6	50.1	42.8	62	1881	20	1880	19	4.19	—	—				
Pembroke (St. Ann's Hd.)	29.903	46.6	44.5	50.9	43.8	58	1884, 95, 97, 99, 01, 02, 08	28	1890	19	3.70	65	25				
Scilly (St. Mary's)	30.043	48.6	46.6	53.2	46.4	61	1890	29	1890	20	3.48	75	28				
Jersey (St. Aubin's)	29.953	47.9	45.8	52.8	44.3	60	1899	16	1890	21	4.18	77	29				
Portland Bill	29.915	48.0	46.3	51.6	43.7	[61]44	[1900]44	[30]44	[1902]44	15	2.48	—	—				
Dunegness	29.900	44.4	42.8	50.4	40.7	63	1899	17	1890	17	[2.60]44	—	—				
Dover	[30.924]44	[44.2]44	[39.7]44	[48.0]44	[37.6]44	[50]44	[1908]44	[27]44	[1910]44	[10]44	[2.50]44	[106]44	[40]44				
Wick	29.760	41.6	40.0	46.9	36.8	62	1900	12	1909	20	3.02	—	—				
Nairn	29.788	40.1	38.6	46.8	35.5	62	1906	12	1904	18	2.24	[63]**	[27]**				
Aberdeen	29.815	40.4	39.1	46.8	37.2	62	1889	14	1900	19	3.05	55	23				
Leith	29.832	41.7	39.7	48.5	37.7	63	1885	18	1885	15	1.96	—	—				
North Shields	29.856	41.2	40.0	48.2	37.9	63	1894	20	1880	17	2.24	—	—				
Spurn Head	29.861	43.8	42.2	48.0	40.7	[61]*	[1894, 95]*	[28]*	[1884]*	15	1.80	—	—				
Yarmouth	29.887	43.3	41.8	48.1	39.4	60	1895, 8, 9, 04	23	1890	18	2.53	[83]44	[32]44				
Clacton-on-Sea	29.913	42.8	41.7	48.2	39.3	[60]44	[1908]44	[25]44	[1901]44	15	1.89	[75]44	[29]44				
Nottingham	29.904	40.5	39.5	48.2	36.9	63	1896	13	1904	19	1.89	40	16				
Bath	29.898	41.6	40.6	50.2	37.5	[64]44	[1878]44	[18]44	[1901]44	13	2.89	59	23				
Oxford	29.951	41.0	39.8	48.9	37.7	63	1899	17	1904	15	2.31	59	23				
LONDON { Westminster	29.919	42.6	41.4	[49.7]44	[38.6]44	[62]44	[1907]44	[26]44	[1905, 10]44	[15]44	[2.14]44	28	11				
LONDON { Kew	29.936	41.6	40.2	48.8	38.5	63	1876	21	1901	16	2.19	51	20				
Sumburgh Head	29.694	40.0	38.8	43.8	36.2	53	1890, 06	19	1877, 09	27	4.44	—	—				
Stornoway	29.698	40.1	39.2	44.1	35.0	55	1898	15	1880	26	5.94	24	12				
Castlebary (Barra Isd.)	[29.597]44	[44.0]44	[42.1]44	[47.0]44	[35.0]44	[53]44	[1908]44	[27]44	[1909]44	[26]44	[5.13]44	[36]44	[18]44				
Malin Head	29.691	42.4	41.7	45.6	38.6	[55]44	[1900, 04]44	[28]44	[1906, 09]44	[23]44	[3.15]44	—	—				
Blackod Point	29.683	44.6	42.8	47.5	39.8	[59]44	[1899]44	[25]44	[1906]44	[26]44	[5.45]44	—	—				
Valencia	29.752	45.6	43.3	49.9	40.8	57	1884, 88, 99, 1900	24	1886	26	6.32	41	17				
Roche's Point	29.767	44.2	43.3	48.6	40.2	57	1906	25	1882	23	5.19	—	—				
Birr Castle	29.735	40.3	39.3	45.7	34.4	58	1877, 1900	8	1878	20	3.10	43	19				
Donaghadee	29.712	41.8	41.0	45.6	36.8	59	1885, 88, 94, 09	20	1879	21	3.08	—	—				
Liverpool (Observatory)	29.700	40.4	38.8	44.4	36.3	59	1891, 98, 1900	13	1878	18	2.69	[48]44	[21]44				
Holyhead	29.729	43.6	42.6	46.6	39.5	56	1886	26	1875, 90, 02								

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

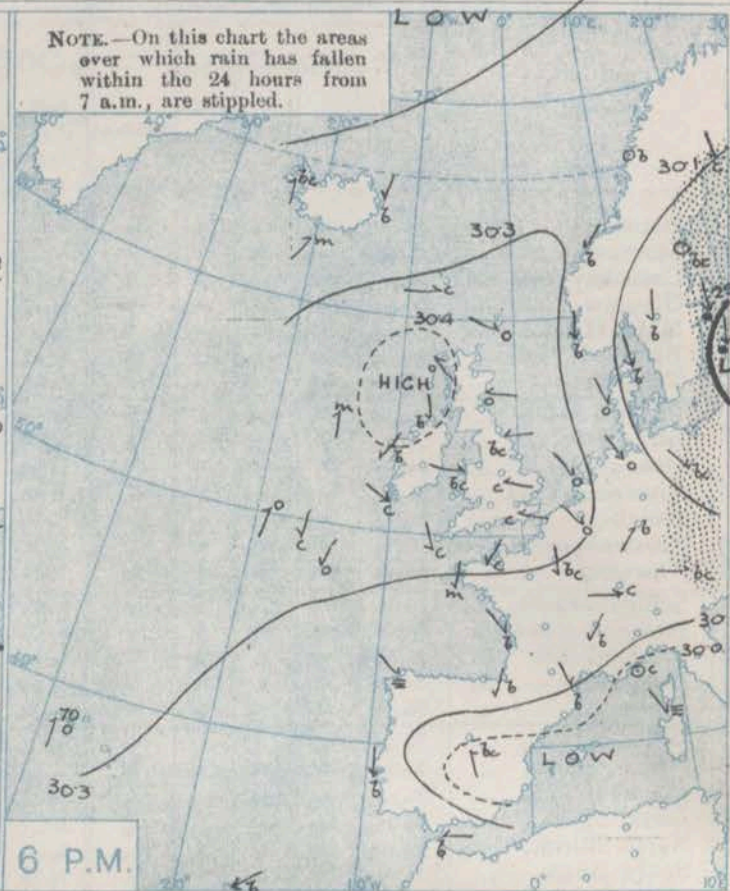
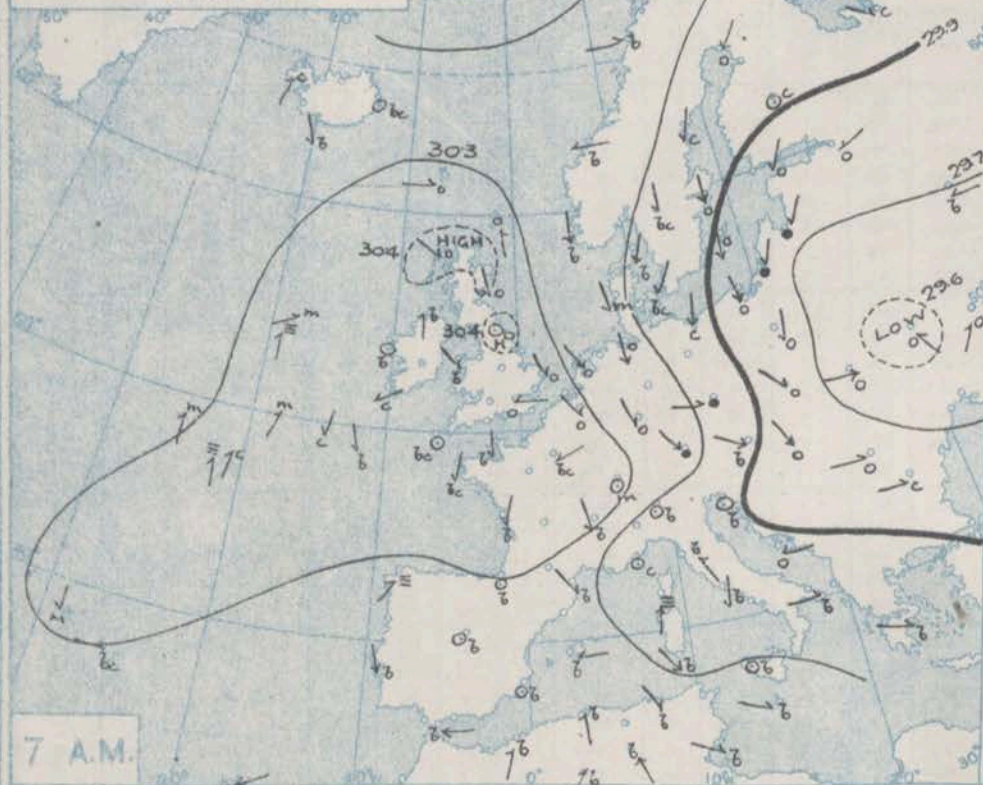
Tuesday
1st July, 1913.

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° Fabr. and M.S.L. Lat. 46°.	Dry Bulb.	Direc.	Force (0 to 12).	Weather.	At 32° Fabr. 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.				
		In.	F.					In.	F.					In.	F.	F.					Hours			
BRITISH ISLANDS.	Lerwick	30.27	53	WNW	2	o		30.34	-0.2	52	+1	WNW	3	c	3	-	55	48	ca	om	omcd.			
	Stornoway	30.43	55	ESE	1	o		30.44	0.0	54	0	W	1	c	1	-	57	51	o	o	o.c.	0.0		
	Castlebay (Barra Ind.)	30.42	55	NW	3	b		30.45	0.0	53	+1	NW	2	o	1	-	57	51	om	om.b.	b.o.	7.5		
	Glasgow	30.35	58	SW	1	bc		30.42	+0.1	52	-2	-	0	*	-	70	48	c.o.b.	by	b.o.	8.7			
	Malin Head	30.32	57	N	1	b		30.47	+0.1	53	-2	NE	1	b.c	1	-	61	50	bc	bc	bom.			
	Blacksod Point	30.40	60	NE	3	b		30.46	+0.1	56	-2	NE	2	b	2	Trace	68	52	by	by	bom.			
	Valencia	30.35	62	NW	4	c		30.41	+0.2	61	+6	-	0	b	2	-	64	52	cy	cy	c	2.2		
	Roche's Point	30.35	60	SSE	2	c		30.41	*	57	+1	N	1	b	1	0.01	62	51	c	c	c.b			
	Birr Castle	30.30	72	E	1	c		30.41	*	60	+4	E	1	b	*	-	75	52	c	c	b	7.6		
	Donaghadee	30.38	57	ENE	2	b		30.42	+0.1	52	+1	NNW	2	b	2	-	59	50	bc	bc	b			
	Liverpool Obsy.	30.36	61	WNW	2	b		30.40	+0.1	58	+3	-	0	o	1	-	64	55	bc	bc	o	9.8		
	Holyhead	30.35	59	WNW	2	bc		30.39	0.0	56	0	N	2	m	1	-	61	53	bc	bc	bm	13.8		
	Pembroke (St. Ann's Hd.)	30.34	60	NNE	2	b		30.35	+0.2	58	0	E	2	bm	1	Trace	65	53	b	bc	b	8.3		
	Newquay	30.32	63	NW	1	bc		30.33	+0.1	62	+4	E	1	by	2	-	64	49	b	b	b	10.1		
	Silly (St. Mary's)	30.32	61	NW	2	c		30.33	+0.1	61	+1	E	2	b	2	0.01	65	55	bc	c	c	5.3		
	Jersey (St. Aubin)	30.31	72	NE	3	c		30.36	*	60	-5	E	3	cm	3	-	75	58	bm.b	c	cm	9.3		
	Portland Bill	30.35	59	E	2	c		30.38	+0.1	60	-1	ENE	1	b	1	-	64	56	bc	bc	c.b.			
	Dungeness	30.35	58	E	3	o		30.35	0.0	57	-1	N	4	c	3	-	63	49	c	c.o.	c.o.			
	Dover	30.36	55	NE	2	c		30.35	*	55	-3	NNE	4	o	3	-	62	46	c.b.	c.b.c.	c.o.	2.8		
	Wick	30.40	54	NW	3	o		30.41	0.0	52	0	NW	3	o	3	-	57	48	cm	omom	om.			
	Nairn	30.37	60	ENE	2	b		30.43	*	53	0	-	0	o	1	-	66	51	b	b	bc.c.	10.9		
	Aberdeen	30.40	55	ESE	2	o		30.42	+0.1	53	0	NNE	1	o	2	-	63	52	o.c.b.	b.b.c.	o	6.0		
	Leith	30.35	60	ENE	2	b		30.41	+0.1	54	0	NW	1	od.	*	Trace	65	53	opog	c.b.c.	b			
	North Shields	30.39	55	E	3	bc		30.42	0.0	53	-2	NE	1	o	3	-	62	52	o	c	o	5.9		
	Spurn Head	30.39	58	NNE	3	c		30.38	0.0	53	-3	N	4	o	4	-	61	51	co	co	ext.o	4.5		
Yarmouth	30.37	56	N	2	o		30.36	-0.1	53	-1	NW	2	c	2	-	57	52	o	o.c.o.	c	0.1			
Clacton-on-Sea	30.36	58	E	3	c		30.37	0.0	53	-2	NW	2	o	1	-	61	50	c.o	o.c.	c.b.c.	1.8			
Nottingham	30.35	66	ESE	2	c		30.40	*	53	-2	SSE	1	bm	*	-	69	48	o.c	o.c.	c	1.0			
Bath	30.30	74	N	1	c		3.39	*	59	-4	-	0	b	*	-	79	52	*	*	*	11.4			
London (Kew Obsy.)	30.34	67	ESE	2	c		30.39	+0.3	55	-3	NE	2	cm	*	-	70	53	combed	c	c.om	6.5			
ICELAND, FAEROE, &c.	Spitzbergen	30.01	36	-	0	b		30.02	0.0	36	0	-	0	f	*	-	37	28						
	Isafjord	30.12	52	S	2	bc		29.89	-0.6	47	-2	-	0	T	*	-	*	*	*	*	*			
	Reykjavik	30.17	54	-	0	o		29.97	0.0	54	+1	SE	3	T	*	-	*	*	*	*	*			
	Vestmanna	30.21	52	SW	1	m		30.06	-0.1	48	+2	-	0	T	*	-	*	*	*	*	*			
	Seydisfjord	30.18	57	NNE	3	b		29.99	-0.4	52	+2	-	0	T	*	-	*	*	*	*	*			
	Thorshavn	30.33	53	W	3	c		30.28	0.0	51	-1	WNW	3	c	*	-	*	*	*	*	*			
	Haparanda	30.10	59	N	2	c		30.08	0.0	55	-2	E	4	T	*	0.04	70	54						
SCANDINAVIA.	Hernösand	30.06	60	-	0	bc		30.04	0.0	59	+1	NNE	2	T	*	Trace	66	55						
	Stockholm	29.94	55	N	4	T		29.87	-0.2	60	+7	N	6	o	*	0.16	61	54						
	Wisby	29.84	54	N	6	T		29.77	-0.2	51	-4	N	4	o	*	0.24	57	48						
	Karlstad	30.05	62	N	2	b		30.04	0.0	60	+5	NNW	4	b	*	-	70	52						
	Färder (X'laule Fjord)	30.08	64	WSW	2	b		30.09	0.0	60	+3	NNE	4	bc	2	-	64	55						
	Bodö	30.28	52	-	0	b		30.25	-0.1	52	+2	-	0	bc	1	-	54	46						
	Christiansund	30.28	51	NE	1	b		30.25	-0.1	51	+1	E	1	b	2	-	54	48						
GERMANY, &c.	Skudesnaes	30.23	51	N	6	b		30.20	0.0	51	0	N	8	c	2	-	55	46						
	The Scaw (Skagen)	30.09	59	NNW	4	b		30.06	-0.1	64	+5	NNW	1	b	0	-	68	55						
	Blaavands Huk	30.18	53	NNW	3	o		30.15	-0.2	55	-2	NNW	3	o	3	-	61	52						
	Cuxhaven	30.17	55	NW	4	o		30.16	0.0	55	0	NW	4	o	1	-	59	54						
	The Helder	30.31	54	NW	3	o		30.29	-0.1	53	0	NNW	3	o	1	-	55	52						
	Brussels	30.32	54	NW	2	o		30.32	0.0	52	-3	NNE	1	o	*	-	62	50						
	Berlin	30.01	61	NW	3	bc		29.98	-0.1	55		NW	5	o	*	0.16	63	55						
FRANCE.	Frankfurt	30.24	53	SW	1	b		30.23	+0.1	55	+1	S	1	b	*	-	64	46						
	Munich	30.22	52	W	3	bc		30.20	+0.1	52	+4	NW	4	c	*	0.04	57	46						
	C. Gns Nez	30.35	58	NE	4	bc		30.36	+0.1	54	-3	NE	4	o	3	-	64	52						
	La Hève	30.33	64	NE	3	b		30.31	*	56	-1	NE	2	m	1	-	75	48						
	Brest (St. Mathieu)	30.30	70	NNE	2	m		30.30	+0.1	59	+3	ENE	3	c	1	-	73	57						
	Lorient (Roc Molen)	30.24	69	W	1	o		30.21	*	61	+2	E	3	bc	2	-	73	57						
	Rochefort (Ile d'Aix)	30.23	70	NW	3	b		30.21	+0.1	64	-2	ENE	3	bc	1	-	79	61						
SPAIN, PORTUGAL, &c.	Biarritz	30.20	73	NNE	3	b		30.11	0.0	68	-1	E	3	bc	1	-	79	59						
	Paris	30.30	66	NNE	2	b		30.32	+0.1	55	-4	NNE	2	b	*	-	70	46						
	Belfort	30.24	62	W	4	c		30.28	*	50	-2	E	4	m	*	-	66	44						
	Lyons	30.20	69	NE	3	b		30.23	*	57	-5	N	2	b	*	-	74	50						
	Nice	29.94	68	-	0	c		20.00	+0.3	70	+4	-	0	b	2	-	77	61						
	Perpignan	30.08	84	NNW	3	b		20.08	-0.1	77	+1	W	3	b	3	-	89	66						

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

SCALE
NAUTICAL MILES
STATUTE MILES

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.

The anticyclonic system shows no tendency to disperse or to travel away from these Islands and their neighbourhood, and little change is

therefore probable in the general state of the weather.

FORECASTS FOR THE 24 HOURS NOON

Tuesday

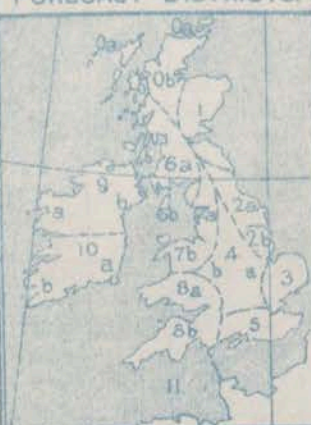
TO NOON, Wednesday.

0 { Wind mainly Westerly or North-Westerly, light or moderate; fair to dull; moderate temperature.

1 { Wind light between North-West and North-East; cloudy or overcast at times, but mostly fair; temperature rather low.

4 { Wind light, mainly between North-East and East; dull at times, otherwise fair; temperature rather low.

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.

No Warnings Issued.

6 { Light variable winds; fair; moderate temperature.

7 { Light variable or Easterly winds; fair or fine generally; moderate temperature.

9 { Northerly or North-Easterly winds, light; fair or fine;

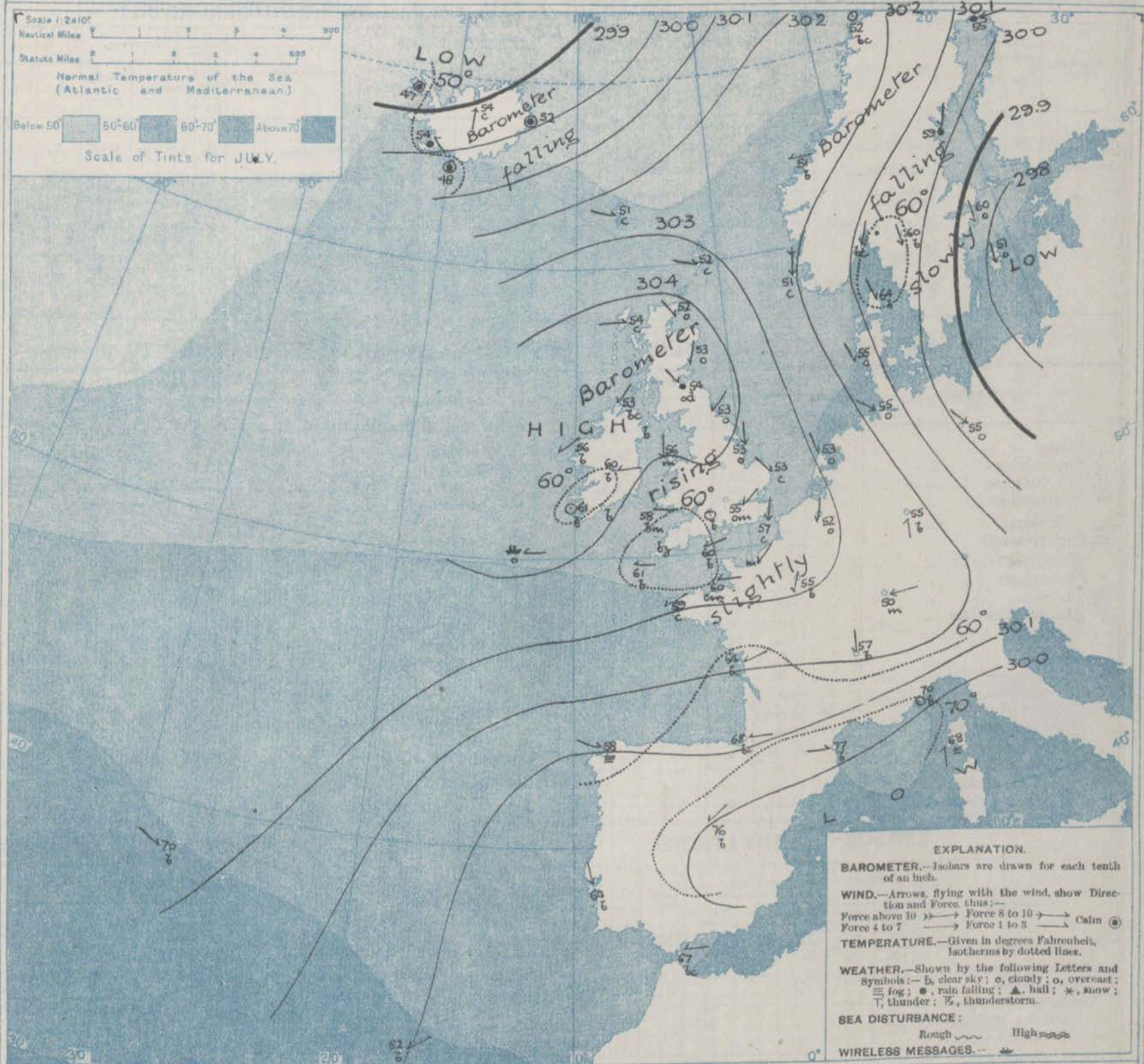
10 { moderate temperature.

11 WESTERN CHANNEL AND BAY.

Easterly winds, light or moderate; sea smooth; fine generally.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. TUESDAY, 1st JULY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure is above 30.4 in. in an anticyclone extending from the Atlantic and covering Ireland and the northern half of Britain. In the north of Ireland the readings decrease to below 29.9 in., and in Scotland to below 29.8 in.

Over Scandinavia, the North Sea region, the Netherlands and North Germany the wind current is mainly Northerly, and blows a strong breeze at Stockholm and a fresh breeze at Berlin, while at Shudsmas a gale is reported. Along the east coast of these Islands it is light to moderate. Over the Channel

and on our south-west coasts it is light from some Easterly point, and on the north-east coast of Scotland light from West or North-West. Temperature ranges over these Islands from 62° at Newquay and about 60° at several other western and south-western stations to 52° at Donaghadee, Glasgow, Wick and Lerwick. A good deal of cloud prevails in the east and north-east of these Islands, the Netherlands and North Germany, and slight drizzle is reported at Leith. Elsewhere the conditions are generally fair to bright. Rain is, however, very prevalent in Iceland.

DAILY WEATHER REPORT.

Tuesday, 1st July, 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.	
1st. 7 a.m.	50	13	<i>Laconia</i>	H	30.42	-0.04	E	1-3	o	30th 7 a.m.	49	23	<i>Laconia</i>	H	30.24	+0.05	S	1-3	m
30th 6 p.m.	50	19	<i>Laconia</i>	H	30.27	-0.02	SEW	1-3	o	" "	48	21	<i>Manominee</i>	H	30.32	+0.01	SSW	1-3	f
" "	49	17	<i>Zeeland</i>	O	30.38	-0.01	NNE	1-3	c	" "	54	20	<i>Megantic</i>	H	30.21	+0.01	S	1-3	f
" "	48	17	<i>Manominee</i>	H	30.43	+0.01	?	?	bc	" "	48	20	<i>Lake Manitoba</i>	H	30.29	-0.02	SSW	1-3	c
" "	55	15	<i>Megantic</i>	H	30.34	-0.03	S	1-3	m	" "	55	18	<i>Corsican</i>	O	30.40	+0.06	WSW	1-3	m
" "	48	15	<i>Minneapolis</i>	O	30.50	+0.03	NE	1-3	o	" "	50	18	<i>Campania</i>	O	30.36	.00	SW	1-3	m
" "										" "	48	11	<i>Minneapolis</i>	O	30.45	+0.02	NNW	1-3	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	...	61	51	o	bc.b.	10.0	England, S.E.	Margate	...	63	57	bc	b.	0.7
	Stonehaven	...	60	54	c.bc	b.bc.	5.5		Ramsgate	...	60	50	"	"	0.6
	St. Andrews	...	63	50	b	b.bc.	6.2		Folkestone	...	63	51	c.bc	bc.	4.0
	Carnoustie	...	59	52	"	"	6.3		Littlestone	...	"	"	"	"	2.7
Eng. N.E.	Harrogate	...	66	52	o.c	bc.c.o	2.2	England, S.W.	Hastings	...	66	52	o.bc	c.b.	1.9
	Scarborough	...	61	52	bc	bc	1.9		Bexhill-on-Sea	...	65	54	b	"	2.6
	Blackpool	...	64	53	o.c	bc.c	5.7		Eastbourne	...	63	52	b.bc	o.c.bc.	5.5
	Southport	...	63	52	o.bc	bc.	8.0		Seaford	...	75	49	b	b.bc.	6.1
England, N.W.	Buxton	...	66	50	bc	bc	1.3	England, S.E.	Brighton	...	64	52	c	"	7.0
	Leamington Spa	...	72	48	bc	c.b.	4.2		Worthing	...	68	52	b.bc	b.bc.	9.8
	Douglas	...	63	50	b	b	11.5		Littlehampton	...	"	"	"	"	10.1
	Malvern	...	62	49	b	b	12.0		Southsea	...	66	50	b.o	b.bc.	10.5
Wales.	Rhyl	...	62	49	b	b	12.0	England, S.W.	Bournemouth	...	69	52	bc.b	b.bc.c.	11.1
	Colwyn Bay	...	62	50	b	b	11.0		Weymouth	...	64	56	b	bc	11.5
	Llandudno	...	67	52	b	b	11.5		Teignmouth	...	69	56	b	b	9.8
	Bettws-y-Coed	...	70	54	b	b	9.8		Torquay	...	70	56	b.bc	bc	10.3
England, E.	Aberystwyth	...	65	51	c.bc	c.b.	9.7	England, S.W.	Paignton	...	67	55	b	b.bc.	10.3
	Lowestoft	...	56	49	"	"	0.0		Ilfracombe	...	65	52	b	b.	11.7
	Felixstowe	...	60	48	m.c	em	0.1		Weston-super-Mare	...	75	55	b	b.bc.c.	10.5
	Walton-on-Naze	...	59	47	c	c	0.2								
England, E.	Southend-on-Sea	...	66	52	bc	bc.b	7.0								

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.
Greenwich (Royal Obey.) ...	63	79	71	49	38	-	c	c	c.o	2.3	Dublin to 4 p.m.	in.	F.°	F.°	F.°	b	bc	b	Hr.	
City (Ranhill Row) ...	*	*	*	*	*	*	*	*	*	5.6	Plymouth to 9 p.m.	-	68	54	51	*	*	*	*	
Westminster (St. James's Pl.)	38	75	70	53	50	-	bc	bc	bc.	4.7	Darwen	-	70	53	47	c.b	bc	c.b.	9.7	
Camden Sq. (Brit. Rainfall)	54	77	75	53	51	-	b.bc	bc.c	bc.c.o	6.7	Manchester	"	66	52	51	c.o.g.w	og	c.o.g	0.0	
Hampstead (Reservoir) ...	*	81	68	50	42	-	bc	o	o	7.5	Birmingham	"	"	"	"	"	"	"	"	
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.									Oxford to 8 p.m.	"	73	51	48	b.bc.m	bc.m	bc.m	"
			Total.		Mean Rate.		Max. Rate.				S. Kensington		70	56	46	bc	og.c	c		
S. Kensington (Roof of M.O.)	60	80	16.11	Joules.	27.1	Milliwatts.	76.5 Milliwatts.		3.8		(Museum Grounds to 6 p.m.)	-								

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

1st & 2nd July, 1913.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	3.35	11.56	8.17
	3.26	11.57	8.17
Greenwich	3.46	12.3	8.18
	3.49	12.4	8.18
Wick	3.11	12.15	9.19
	3.12	12.16	9.19
Valencia	4.26	12.44	9.2
	4.27	12.45	9.2

NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature rose to 79° at Bath, 75° at Birn Castle and Jersey, and to about 70° at several other western & south-western stations, and also over the central parts of England. At some eastern stations the thermometer remained below 60°. Bright sunshine was much more prevalent in the west than in the east. In some parts of East Anglia and Kent there was less than an hour. At Dover thunder was heard during the afternoon. Wireless reports show that as far west as the 20th meridian the wind was very light, and rather variable in direction.

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.

Wednesday,
2nd July 1913.

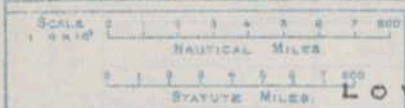
STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun- shine for Yester- day.	
		Barom.		Temp.		Wind.	Barometer.		Temp.		Wind.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	Temp.		Weather.							
		At 22° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Direc.	Force (0 to 12).		Weather.	At 22° 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.
		In.	F.				In.	In.	F.							In.	F.	F.							Hours
BRITISH ISLANDS.	Lerwick	30.30	55	WSW	3	bc	30.27	-0.2	53	+1	WNW	4	m	3	trac	58	51	ond	bc	f.m					
	Stornoway	30.42	57	W	6	og	30.42	-0.1	58	+4	W	2	r	2	trac	64	54	c	c-og	odp				3.3	
	Castlebay (Barra Isd.)	30.46	56	WNW	2	om	30.46	0.0	55	+2	WNW	2	of	2	trac	58	53	c	c-om	omof				3.3	
	Glasgow	30.35	67	W	2	bc	30.39	0.0	58	+6	W	1	c			70	52	ogt	b-oc	ew				7.5	
	Malin Head	30.46	55	NW	2	bc	30.48	0.0	53	0	WNW	2	fe	1	0.01	56	52	cm	b-om	ond					
	Blacksod Point	30.48	60	NE	3	b	30.49	0.0	54	-2	NNE	2	o	2	trac	62	53	by	b-og	bc					
	Valencia	30.40	72	NNE	2	by	30.45	+0.1	59	-2		0	by	3		75	54	b	b-og	bc				15.2	
	Roche's Point	30.42	64	S	2	b	30.42		60	+3	N	2	b	1	trac	67	56	by	b-og	bc					
	Birr Castle	30.39	71	NW	1	c	30.45		54	-6	N	2	m			75	52	b	b-oc	bc				12.7	
	Donaghadee	30.41	56	NW	3	bc	30.43	+0.2	55	+3	N	3	bc	3		59	52	b	b-oc	bc					
	Liverpool Obsy.	30.37	62	WNW	3	b	30.37	0.0	57	-1	WNW	2	o	2		66	55	b	b-oc	c-o				10.9	
	Holyhead	30.40	59	N	2	bm	30.40	+0.1	54	-2	N	4	bf	3		61	52	bm	b-om	b-oc				12.8	
	Pembroke (St. Ann's Hd.)	30.36	61	NNE	3	bc	30.36	0.0	54	-4	NNE	4	cm	3		69	54	bm	b	b-og				11.5	
	Newquay	30.35	63	N	1	b	30.33	0.0	60	-2	N	4	by	3		70	56	by	by	b				12.3	
	Scilly (St. Mary's)	30.27	65		0	bm	30.34	+0.1	60	-1	NNE	3	bm	2		68	56	bm	bm	bm				13.8	
	Jersey (St. Aubin)	30.35	69	NE	4	bm	30.34		58	-2	NE	1	om	1		71	51	bm	bm	bm				11.5	
	Portland Bill	30.34	59	WSW	1	bc	30.33	0.0	58	-2	ENE	1	c	1		63	56	b	b-oc	bm					
	Dungeness	30.34	59	ENE	3	bc	30.30	-0.1	58	+1	N	3	c	2		61	52	c	c-bc	b-oc					
	Dover	30.34	59	NNE	2	b	30.30		57	+2	N	3	c	2		60	50	o	c-bc	b-oc				2.1	
	Wick	30.37	55	WNW	5	c	30.35	+0.1	55	+3	WNW	4	o	3	trac	60	51	om-c	c-bc-og	c-og					
	Nairn	30.38	61	N	2	c	30.39		60	+7	W	1	c	1		66	51	bc	b-oc	c				3.2	
	Aberdeen	30.27	59	S	2	c	30.35	+0.1	59	+6	NW	4	o	2		64	53	a-c	c-bc	c-o				2.5	
	Leith	30.34	62	ENE	1	bc	30.36	-0.1	59	+5	W	3	om			64	52	a-c-bc	b	b-oc					
	North Shields	30.39	56	NE	2	o	30.36	-0.1	58	+5	W	1	c	2		59	53	c	o	c					
Spurn Head	30.38	58	NNE	3	c	30.30	-0.1	58	+5	N	4	c	4		60	51	o	c	c-bc-oc				2.2		
Yarmouth	30.35	55	N	2	o	30.30	-0.1	55	+2	WNW	2	o	2		56	50	o	o	o				0.0		
Clacton-on-Sea	30.34	60	ESE	2	bc	30.31	-0.1	54	+1	NNW	2	o	1		63	50	og	o-bc	b-oc				4.2		
Nottingham	30.35	65	E	2	b	30.37		57	+4	N	1	om			74	53	b-oc	bm-b	b-oc				3.7		
Bath	30.32	75		0	c	30.34		58	-1		0	o			78	54							10.8		
London (Kew Obsy.)	30.34	65	NW	1	c	30.34	0.0	55	0	N	1	o			69	53	om-c	c-bc	c-o				6.2		
ICELAND, FAEROE, &c.	Spitzbergen	30.06	36	SE	2	o	29.95	-0.4	36	0	SE	2	o	4		36	36								
	Isafjord	29.85	58	S	3	o	29.86	-0.3	54	+7	S	4	o												
	Reykjavik	30.01	55	SW	3	r	30.01	-0.4	52	-2	SE	3	o												
	Vestmanna	30.07	49	SE	1	r	30.08	-0.2	?	?	SSE	1	o	0											
	Seydisfjord	29.93	68	SW	4	c	29.93	+0.1	62	+10	SW	2	o												
	Thorshavn	30.36	52	WSW	5	m	30.23	-0.1	53	+2	WSW	1	f												
	Haparanda	30.00	56	NE	2	c	30.03	0.0	62	+7	NE	2	b		0.24	64	50								
	Hernösand	29.97	59		0	o	29.93	-0.1	57	-2	NNE	6	c		0.51	64	50								
	Stockholm	29.80	55	NNW	6	o	29.66	-0.4	52	-8	NNW	6	r		0.32	63	50								
	Wisby	29.73	50	N	4	o	29.62	-0.4	48	-3	N	4	r		0.12	54	45								
	Karlstad	29.93	67		0	b	29.88	-0.4	60	0	NNW	8	c			75	54								
	Færder (X'ania Fjord)	29.96	67	WSW	2	b	29.99	-0.1	62	+2	N	6	b	2		66	59								
	Bodö	30.24	52	NE	1	b	30.21	0.0	50	-2		0	b-oc	0		52	45								
	Christiansund	30.23	53	N	1	b	30.23	+0.1	52	+1	ESE	1	b	2		54	46								
	Skudesnaes	30.17	51	NNW	6	b	30.14	-0.1	52	+1	N	8	c	2		52	48								
	The Scaw (Skagen)	29.96	62	NNW	1	b	29.94	0.0	62	-2	NNE	5	b	1		73	57								
Blaavands Huk	30.08	54	NNW	4	o	29.98	-0.2	58	+3	N	1	o	2		59	52									
GERMANY, &c.	Cuxhaven	30.11	55	NW	4	o	30.00	-0.2	55	0	NW	3	o	0		59	54								
	The Helder	30.27	55	NW	4	o	30.16	-0.2	55	+2	NW	6	o	3	0.04	55	52								
	Brussels	30.29	54	NNW	2	o	30.22	-0.3	56	+4	NNE	1	o		0.04	57	50								
	Berlin	29.94	64	NW	1	o	29.92	-0.1	57	+2	NW	5	c		trac	68	52								
	Frankfurt	30.20	53	SW	1	b	30.13	-0.2	55	0		0	o			63	50								
	Munich	30.14	55	NW	2	b	30.12	-0.1	53	+1	NW	5	bc		trac	63	45								
FRANCE.	C. Gris Nez	30.34	56	NE	3	c	30.28	-0.2	58	+4	N	3	bc	2		59	52								
	La Hève	30.30	57	ENE	1	b	30.33		57	+1	NNW	2	c	2		64	52								
	Brest (St. Mathieu)	30.36	72	NNE	4	b	30.32	0.0	60	+1	NE	1	m	1		84	54								
	Lorient (Iles Molén)																								
	Rochefort (Ile d' Aix)	30.14	76	NNE	4	b	30.20	+0.1	58	-6	NE	3	b			84	54								
	Biarritz	30.00	83	ENE	3	b	30.13	+0.2	65	-3	ESE	1	b	1		84	57								
	Paris	30.28	63	N	3	b	30.27	-0.1	55	0	N	2	o			64	52		</						

GALES.
Duration and Extreme Force
on British Coast.

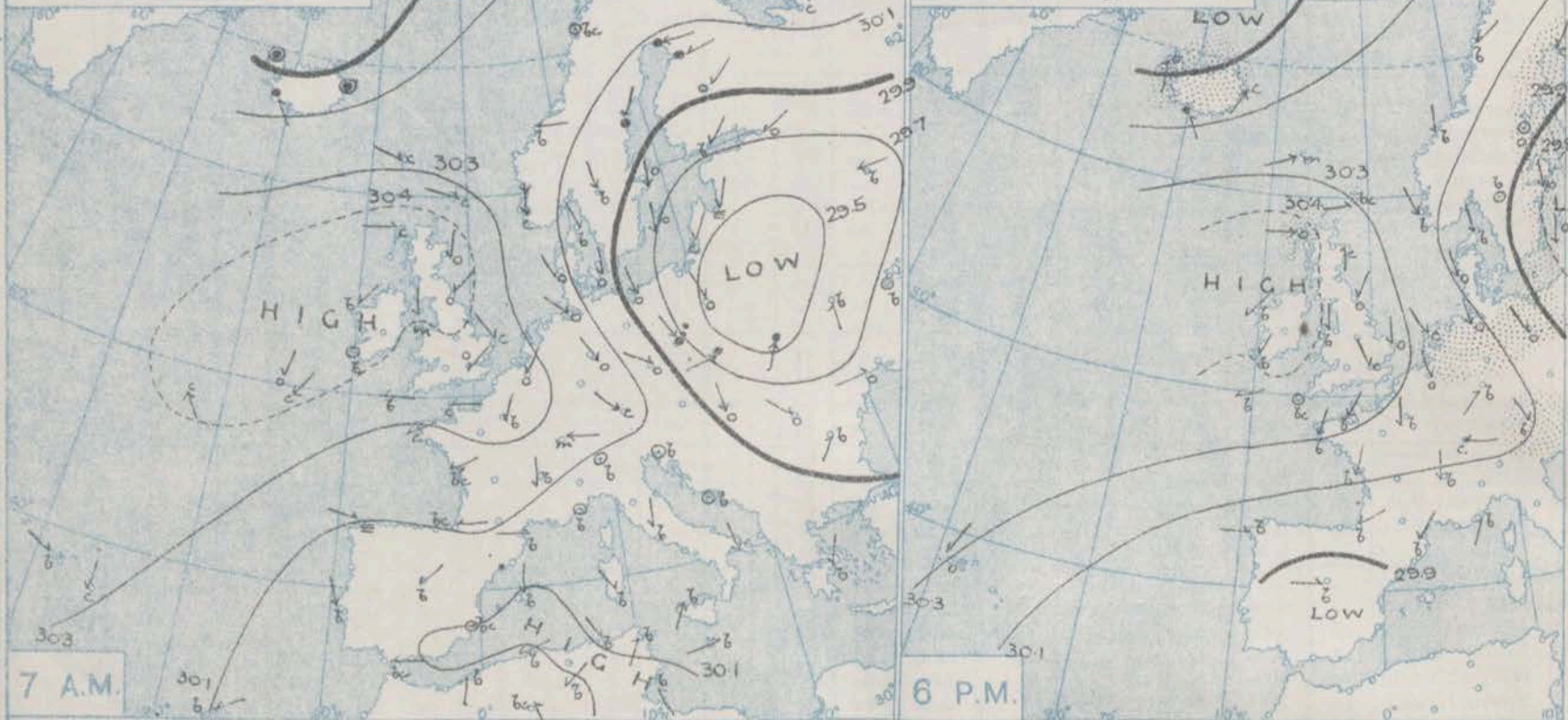
* Information for these columns not usually received.

† Received too late for insertion in Charts.

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



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



GENERAL INFERENCE

The large anticyclonic system shows no disposition to disperse or move away, but a depression of considerable size and intensity which is extending

WEATHER PROSPECTS.

westward over the Baltic region will cause an increase in the force of the wind from the Northward over the North Sea and along our east coast.

FORECASTS FOR THE 24 HOURS NOON

Wednesday TO NOON Thursday.

0 {
a Wind between West and North-West,
light or moderate; some rain locally, but fair
generally; moderate temperature.

1 {
a North-Westerly or North-Eastly winds,
light or moderate; mostly fair, dull at
times; moderate temperature

2 {
a Wind mainly Northerly, light
to moderate or fresh; fair to cloudy or
overcast; temperature below the
normal.

4 {
a Wind mainly between North and
North-East; light or moderate; generally fair
or fine, cloudy or overcast at times;
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. ⚡

No Warnings Issued.

6 {
a Same as No. 1.

7 {
a Wind mainly Northerly,

8 {
a light; fair to fine; warm.

9 {
a Wind variable or Northerly,
light; fair or fine; moderately

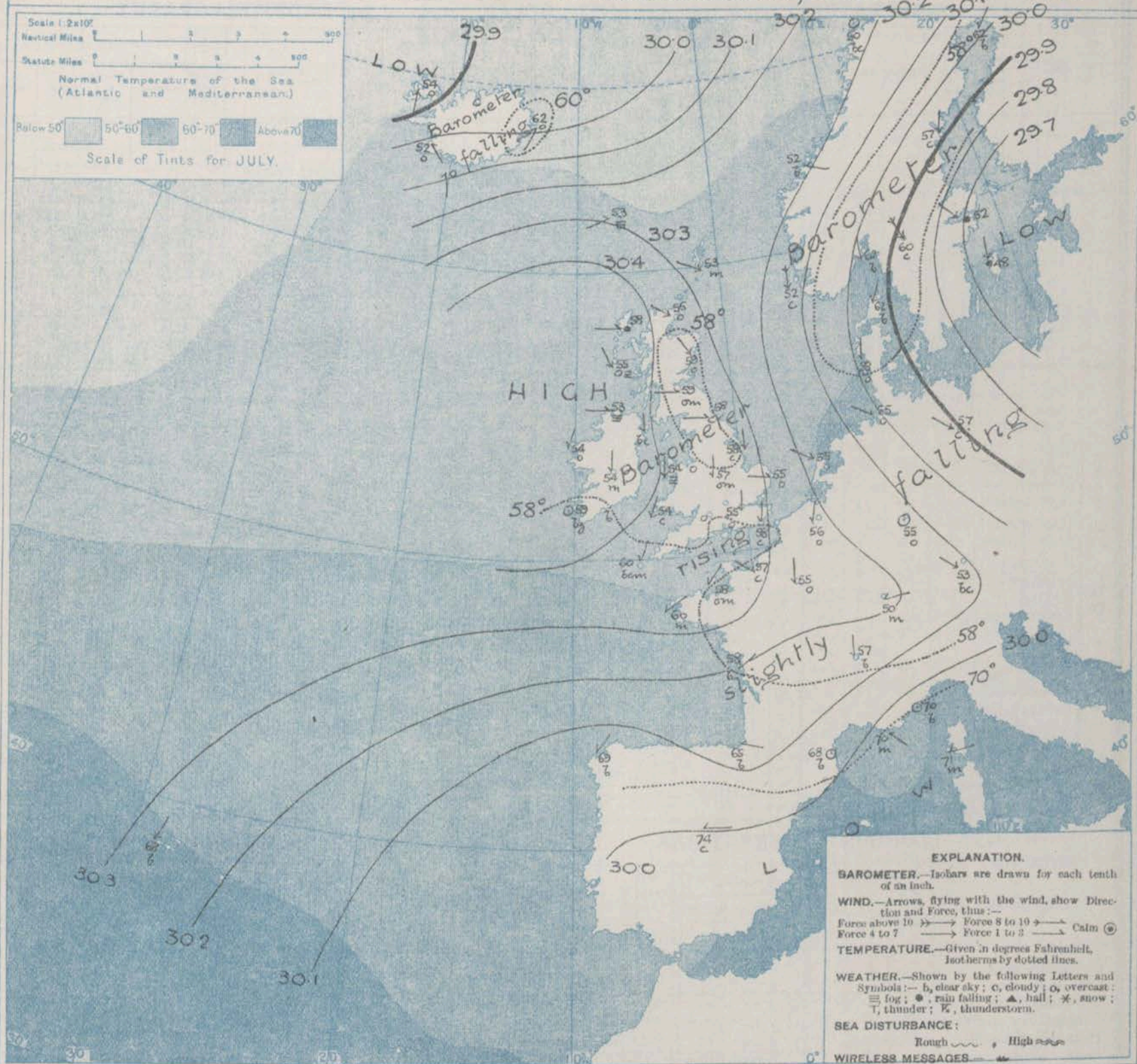
10 {
a warm.

11 WESTERN CHANNEL AND BAY.

light Northerly or North-Eastly winds; sea smooth or slight; fair or fine, some mist locally.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. WEDNESDAY, 2nd JULY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure is above 30.14 in. over Ireland, western Scotland and a large area on the Atlantic, below 29.9 in. in the north-west of Iceland, and below 29.7 in. over the eastern portion of the Baltic.

Over the United Kingdom the wind is very light to moderate, from West or North-West in the far north, and from the Northward in almost all other localities. Over Scandinavia, Denmark, Germany and Holland the Northerly current blows freshly or strongly; at Karlskrona and

Skudesnaes a gale is reported. Temperature has risen a little in many parts of these Islands, and now ranges from 60° at some south-western stations and at Hain to 54° at Blacken-on-Sea and 53° at Malin Head and Lerwick. The weather is fair or fine in many places, but a good deal of cloud is reported generally, with fog at Malin Head, Holyhead and Castlebar, and rain at Stormoray. Over a large area on the continent the sky is overcast, and rain is falling in the south-west of Sweden.

DAILY WEATHER REPORT.

Wednesday, 2nd July 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.	
1st 6 p.m.	49	10	Menominee	H	30.41	-0.1	ENE	1-3	b.	1st 7 a.m.	48	21	Menominee	O	30.45	-0.1	SE	4-5	c.
1st 1 p.m.	51	11	Laconia	O	30.44	-0.0	ENE	1-3	b.	"	50	15	Mount Temple	H	30.30	-0.1	NE	1-3	o.
										"	49	14	Menominee	H	30.43	-0.0	NE	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	...	61	47	c.c.	bc	5.5	England, S.E.	Margate	...	60	54	b	b	1.0
	Stonehaven	...	58	51	cg	bc	1.3		Ramsgate	...	58	50	b	b	1.8
	St. Andrews	...	62	49	b	b	3.2		Folkestone	...	60	50	b	b	1.2
	Carnoustie	...	58	52	a	a	2.3		Littlestone	...	65	52	b	b	1.3
England, N.E.	Harrogate	...	66	48	c.c.	bc.c.c.	0.7	England, S.E.	Hastings	...	65	56	b	b	4.6
	Scarborough	...	59	52	o	o	0.0		Bexhill-on-Sea	...	65	56	b	b	4.3
England, N.W.	Blackpool	...	65	50	m	bc	10.0	England, S.E.	Eastbourne	...	63	54	c.c.	b	7.7
	Southport	...	66	51	c.bc	b	9.0		Seaford	...	69	50	bc.b	b	7.3
	Buxton	...	67	49	bc	b	2.5		Brighton	...	68	51	c.c.	c	7.3
	Leamington Spa	...	74	61	bc	b	8.0		Worthing	...	68	52	bc	b	8.8
Wales.	Douglas	...	67	51	b	b	13.0	England, S.W.	Littlehampton	...	69	55	bc	b	6.8
	Rhyl	...	66	48	b	b	10.0		Southsea	...	73	51	c.bc	b	9.0
	Colwyn Bay	...	67	49	b	b	12.0		Bournemouth	...	67	60	b	b	7.5
	Llandudno	...	70	51	b	b	11.5		Ryde	...	67	60	b	b	12.5
England, E.	Bettws-y-Coed	...	72	46	b	b	10.5	England, S.W.	Weymouth	...	69	55	b	b	10.7
	Aberystwyth	...	67	52	c.bc	c.b	12.5		Teignmouth	...	68	51	b	b	10.5
	Lowestoft	...	56	51	o	o	0.0		Torquay	...	70	54	bc	bc	11.0
	Felixstowe	...	62	50	o	c.bc	2.4		Paignton	...	71	51	b	b	11.1
England, E.	Walton-on-Naze	...	61	49	c	c.bc	2.0	England, S.W.	Ilfracombe	...	67	55	b	b	11.5
	Southend-on-Sea	...	64	50	bc	bc	3.0		Weston-super-Mare	...	70	54	b	b	9.0

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.				In Screen.	Night Min. on Grass.	Night.	Forenoon.	
Greenwich (Royal Obs.)	53	74	70	51	4.6	o.c.	c.c.	4.5	Dublin to 4 p.m.	...	71	52	4.8	b	bc
City (Bankhill Row)	53	74	70	51	4.6	o.c.	c.c.	4.5	Plymouth to 9 p.m.	...	67	55	5.2	bc	b
Westminster (St. James's Pl.)	58	72	69	53	5.1	b	bc	4.7	Darwen	...	74	50	4.8	o.cw	bc
Camden Sq. (Brit. Rainfall)	54	71	73	52	5.1	c.bc	b.bc	5.1	Manchester	...	74	52	4.8	bc.b	bc
Hampstead (Reservoir)	...	72	67	49	4.5	bc	c	5.4	Birmingham	...	73	53	4.7	bc	bc
Kew. (See front page.)	...	72	67	49	4.5	bc	c	5.4	Oxford to 8 p.m.	...	73	53	5.0	bc	bc
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.															
			Total.		Mean Rate.		Max. Rate.								
S. Kensington (Roof of M.O.)			1546 Joules.		26 Milliwatts.		75 Milliwatts.								

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

2nd & 3rd July 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 3.36 3.37	G.M.T. 11.57 11.57	G.M.T. 8.17 8.17
Greenwich	3.49 3.50	12.4 12.4	8.0 8.18
Wick	3.12 3.14	12.16 12.16	9.19 9.18
Valencia	4.27 4.28	12.45 12.45	9.2 9.2

NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature rose to 78° at Bath, and 75° at Bir Castle and Valencia and to above 70° in some other parts of the Kingdom, but remained below 60° at some stations on the east coasts of England and Scotland. Many hours of bright sunshine were recorded in the north-west, west and south-west, but in the north and east of England and in Scotland the day was cloudy or overcast.

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.

Thursday
3rd July, 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.			
		In.	F.				In.	In.	F.					In.	F.	F.	c	c	c	Hours			
BRITISH ISLANDS.	Lerwick	30.21	55	WNW	3	c	30.16	-0.02	53	0	SSW	1	b	1	58	50	c	c	b	3.3			
	Stornoway	30.28	58	W	5	odpy	30.27	-0.02	52	-6	SW	1	0	1	65	50	eg	c.odpy	eg	0.7			
	Castlebay (Barra Isd.)	30.40	55	WNW	3	of	30.28	-0.02	52	-3	NNW	2	0	2	61	50	of-pm.	om-af	fbw	11.6			
	Glasgow	30.30	64	WNW	2	b	30.23	-0.03	57	-1	W	2	b	2	71	54	b	b	b	*			
	Malin Head	30.42	56	NW	2	om	30.29	-0.03	52	-1	NW	3	f	2	58	51	fd	om	o.c	*			
	Blacksod Point	30.47	60	N	2	b	30.37	-0.03	56	+2	N	1	r	1	61	52	om-eg	b	b	15.0			
	Valencia	30.39	63	WNW	4	b	30.35	-0.01	57	-2	NNW	3	c	3	71	54	b	b	b	*			
	Roche's Point	30.37	64	NE	1	b	30.31	-	59	-1	NW	2	0	2	70	57	b	b	b	6.3			
	Birr Castle	30.36	70	NW	1	c	30.31	-	55	+1	N	1	0	2	71	53	c	c	c	6.3			
	Donaghadee	30.37	62	NNW	3	b	30.28	-0.02	54	-1	NNW	2	0	2	63	54	b	b	b	5.9			
	Liverpool Obsy.	30.30	61	WNW	3	0	30.22	-0.02	58	+1	W	2	0	2	64	57	b	b	0	7.5			
	Holyhead	30.34	60	N	3	b	30.24	-0.01	54	0	N	3	0	3	62	53	of-b	d-cmb	b	8.9			
	Pembroke (St. Ann's Hd.)	30.30	60	NNE	4	b	30.21	-0.03	55	+1	N	4	0	3	60	54	em	b	b	8.0			
	Newquay	30.26	61	NNW	4	b	30.18	-0.02	58	-2	NNE	3	0	3	62	57	b	b	b	8.0			
	Scilly (St. Mary's)	30.27	59	NNE	4	c	30.21	-0.03	59	-1	N	4	0	4	64	56	em	em	b	7.8			
	Jersey (St. Aubin)	30.26	67	N	2	em	30.15	-	59	+1	N	2	0	2	65	57	om	om	om	3.2			
	Portland Bill	30.26	61	WNW	3	c	30.16	-0.01	61	+3	NNE	2	0	1	65	58	b	b	b	*			
	Dungeness	30.19	65	NNE	5	c	30.07	+0.01	57	-1	NNE	4	0	3	68	55	b	b	b	4.5			
	Dover	30.19	61	NNW	4	c	30.08	-	55	-2	N	4	0	4	67	53	o-b	c-b	o-b	4.5			
	Wick	30.30	57	WNW	4	c	30.22	-0.01	51	-4	NW	3	0	2	61	50	o-eg	eg	found	*			
Nairn	30.32	62	NNW	2	c	30.24	-	56	-4	-	0	b	0	69	50	b	b	b	3.7				
Aberdeen	30.29	64	NNW	4	0	30.20	-0.03	56	-3	NNW	3	0	2	70	55	o-b	b	b	5.5				
Leith	30.30	68	NNW	2	0	30.20	-0.03	59	0	NNW	2	0	3	76	52	o-b	b	b	2.8				
North Shields	30.29	63	N	3	c	30.21	-0.01	58	0	N	3	0	3	67	53	c	c	0	0.0				
Spurn Head	30.23	58	NNW	5	0	30.13	-0.01	55	-3	NNW	5	0	5	61	53	o-eg	eg	of	0.0				
Yarmouth	30.19	56	NW	3	r	30.09	-0.02	54	-1	N	3	0	3	60	53	b	0	0	0.3				
Clacton-on-Sea	30.20	60	NNW	3	e	30.09	-0.01	55	+1	N	2	0	2	66	54	o-eg	eg	od-eg	1.8				
Nottingham	30.27	63	NE	2	0	30.16	-	59	+2	N	4	0	2	71	57	om	o	o	1.6				
Bath	30.25	71	N	1	0	30.18	-	61	+3	N	2	0	2	74	58	*	*	*	4.4				
London (Kew Obsy.)	30.26	66	N	2	0	30.13	-0.02	56	+1	NNE	3	0	2	70	53	c-b	o	o	3.9				
ICELAND, FAEROE, &c.	Spitzbergen	29.66	36	-	0	r	29.39	-0.03	37	+1	-	0	r	+	37	32							
	Isafjord	29.86	51	SW	5	0	29.89	+0.03	49	-5	W	3	0	0	*	*							
	Reykjavik	30.08	55	E	2	0	30.01	-0.02	50	-2	SE	6	0	0	*	*							
	Vestmanna	30.10	50	WSW	1	c	30.05	-0.01	47	-1	W	1	0	0	*	*							
	Seydisfjord	29.87	65	WNW	4	b	29.91	-0.01	53	-9	SW	2	0	0	*	*							
	Thorshavn	30.21	57	W	6	m	30.10	-0.03	50	-3	WSW	2	0	0	*	*							
	SCANDINAVIA.	Haparanda	29.97	66	NE	2	0	29.85	-0.04	66	+4	S	2	0	0	75	55						
		Hernösand	29.98	62	-	0	0	29.93	-0.02	70	+13	N	2	0	0	72	57						
		Stockholm	29.84	53	N	2	0	29.88	-0.02	57	+5	W	2	0	0	63	52						
		Wisby	29.76	59	E	2	0	29.87	+0.02	50	+2	N	2	0	0	63	43						
Karlstad		29.86	61	N	3	0	29.92	-0.02	68	+8	NE	2	0	0	68	59							
Færder (X'anta Fjord)		29.93	64	NNE	4	0	29.95	-0.02	66	+4	N	4	0	1	66	59							
Bodö		30.12	53	N	1	0	29.87	-0.08	49	-1	S	5	0	2	52	45							
Christiansund		30.15	57	N	1	0	30.06	-0.02	56	+4	-	0	0	1	57	50							
Skudesnaes		30.01	54	N	6	0	30.01	-0.01	60	+8	-	0	0	1	60	48							
The Scaw (Skagen)		29.89	63	NE	6	0	29.93	+0.01	64	+2	EHE	2	0	0	68	52							
Hlaavands Huk	29.95	57	N	2	0	29.90	+0.01	61	+3	NNE	1	0	1	63	52								
GERMANY, &c.	Cuxhaven	29.93	58	NW	3	b	29.88	-0.02	56	+1	NNW	4	0	1	64	55							
	The Helder	30.08	55	NNW	4	0	29.99	-0.02	55	0	NW	3	0	3	65	55							
	Brussels	30.10	52	NW	1	r	29.93	-0.02	53	-3	NNE	1	0	0	62	51							
	Berlin	29.87	63	N	4	b	29.87	+0.01	56	-1	SW	2	0	0	70	54							
	Frankfurt	30.02	56	SW	1	0	29.98	-0.02	58	+3	SW	1	0	0	63	52							
	Munich	30.02	56	N	2	c	30.00	-0.01	53	0	NE	2	0	0	64	48							
	FRANCE.	C. Gris Nez	30.19	59	NNE	2	c	30.08	-0.01	55	-3	NE	5	0	3	64	54						
La Hève		30.21	57	NNW	2	c	30.10	-	56	-1	N	3	0	2	63	52							
Brest (St. Mathieu)		30.25	62	N	2	m	30.20	+0.02	58	-2	N	2	0	1	64	57							
Lorient (Rec Melen)		30.20	68	NE	2	0	30.12	-	59	+1	N	2	0	2	72	54							
Rochefort (Ile d' Aix)		30.10	74	NE	3	b	30.10	+0.01	61	+3	NNE	3	0	1	74	55							
Biarritz		30.08	70	WNW	2	b	30.07	+0.01	65	0	EHE	2	0	1	75	57							
Paris		30.17	61	N	3	0	30.06	-0.01	57	+2	NNE	1	0	0	62	54							
Belfort		30.05	63	N	5	0	30.00	-	52	+2	E	2	0	0	72	48							
Lyons		30.02	70	-	0	0	30.04	-	57	0	-	0	0	0	75	53							
Nice		29.93	66	-	0	0	29.89	-0.01	67	-3	NE	1	0	1	77	57							
Perpignan	29.94	80	W	1	c	29.94	-	74	+6	NW	2	0	2	82	64								
Sanguinaire	29.97	71	SW	3	m	29.91	-	68	-3	E	3	0	2	73	63								
SPAIN, PORTUGAL, &c.	Corunna (S.a.m.)	30.01	74	NNE	1	b	30.03	-0.02	66	-3	SW	1	0	2	77	59							
	Lisbon (S.a.m.)	30.28	68	NNE	4	b	30.28	+0.01	68	0	NNE	4	0	3	73	66							
	Gibraltar	30.10	71	NE	2	b	30.20	-0.01	70	-4	NE	2	0	2	81	57							
	Azores (Horta S.a.m.)																						
Madeira (Funchal)	30.10	71	NE	2	b	30.20	-0.01	70	-4	NE	2	0	2										

* Information for these columns not usually received.

† Received too late for insertion in Charts.

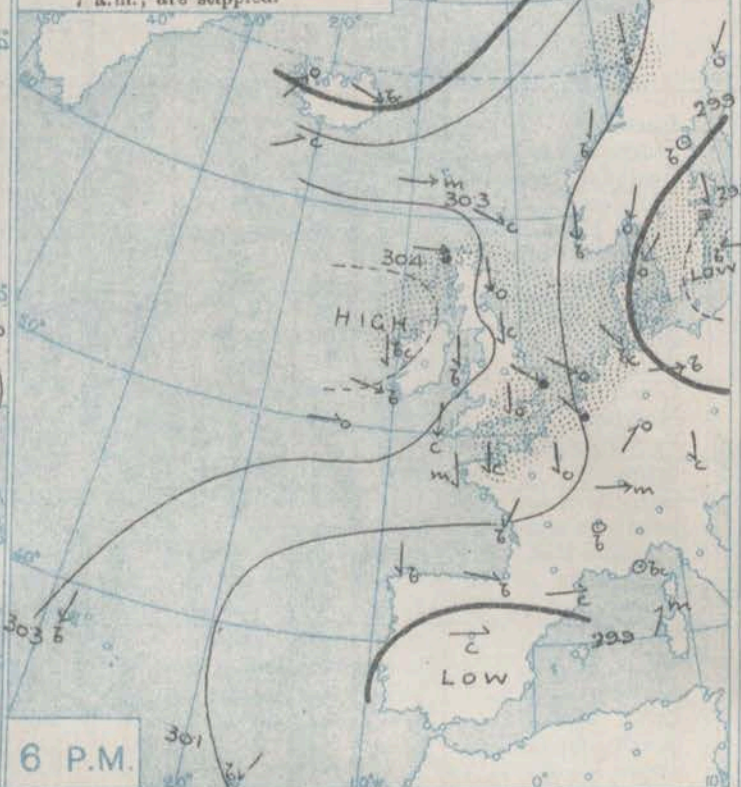
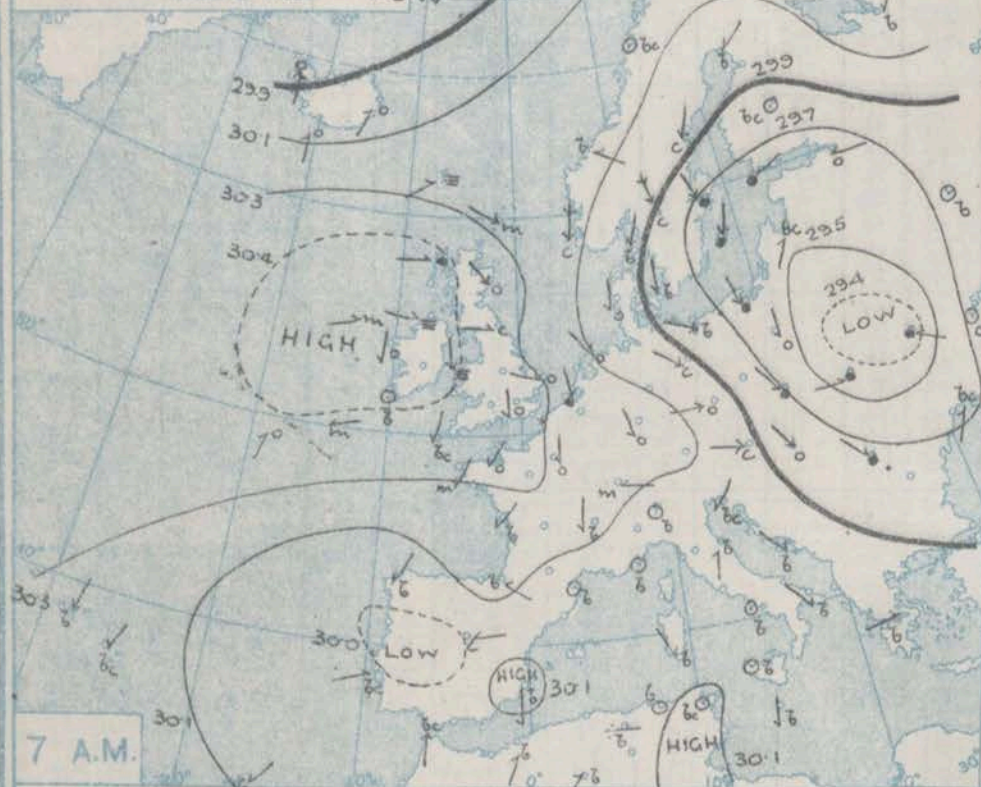
GALES.
Duration and Extreme Force
on British Coasts.

Aberdeen 3 p.m.
Squalls NW
39 m.p.h. (8).

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



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.

Barometric pressure seems likely to decrease for a time, over the United Kingdom,

and the general distribution will become less regular.

FORECASTS FOR THE 24 HOURS NOON

0 {
a Wind between West and North-West,
light or moderate; cloudy or overcast, some
rain; moderate temperature.
b

1 Wind mainly Northerly,
light or moderate; mostly overcast,
some rain; moderate temperature.
2 {
a
b

3 Wind between North and
North-East, light or moderate;
much cloud generally, some showers;
moderate or rather low 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.

Thursday

TO NOON Friday
Same as No. 0.

6 {
a Wind light, between North
and North-East, mostly cloudy or
overcast, some slight showers locally;
moderate or rather low temperature.
b
7 {
a
b
8 {
a
b

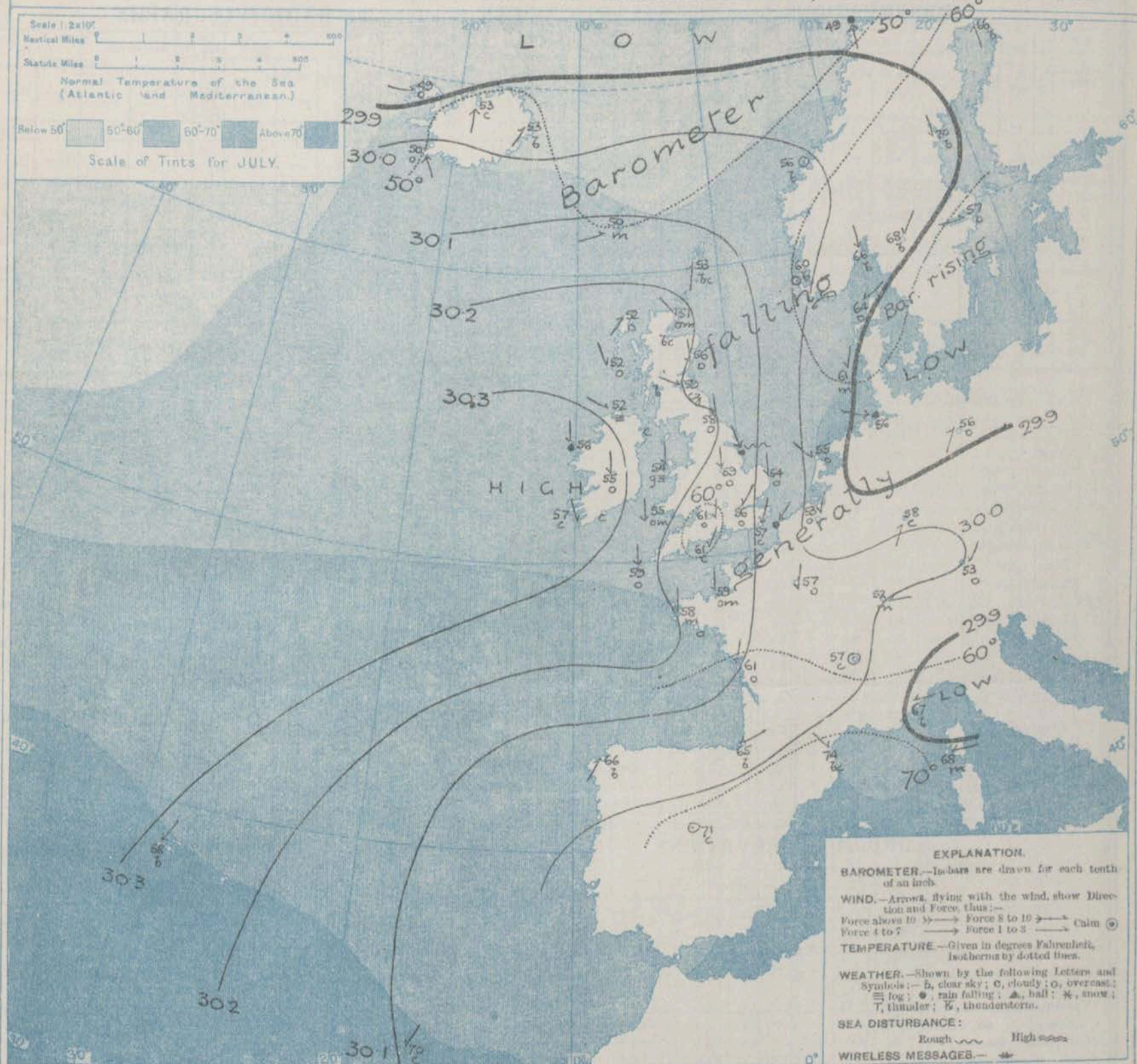
9 {
a Wind mainly Northerly,
light; variable sky, mostly fair, but
some rain locally; moderate
temperature.
b
10 {
a
b

11 WESTERN CHANNEL AND BAY.

Northerly or North-Easterly winds, light or moderate, sea slight; much cloud, some mist, showers locally.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. THURSDAY, 3rd JULY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The barometer is above 30.3 in. over the greater part of Ireland and the adjacent portion of the Atlantic, below 29.9 in. in a depression over the Baltic region and also in the extreme north of Iceland and Scandinavia, and below 29.4 in. at Spitzbergen.

Between Scotland and Iceland the wind is light from the westward, over the North Sea light or moderate from the northward, and on our southern and western coasts it is mainly light from some northerly point. Temperature has risen in Sweden

and most parts of Norway, fallen in Scotland, changed little and irregularly elsewhere. Over these Islands it ranges from 61° at Bath and Portland Bill to 52° at some extreme north-western stations and to 51° at Wick. Over the United Kingdom, Germany and the greater part of France the sky is very cloudy or quite overcast, and rain is falling at Blackhead Point, Spurn Head, Cape Gris Nez and Buxhaven. In nearly all parts of Scandinavia the weather is bright, but fog prevails at Wisby and rain is falling at Bodö.

DAILY WEATHER REPORT.

Thursday, 3rd July 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.	
2nd 6 p.m.	53	13	Empress of Ireland	H	?	-0.2	W	1-3	0	2nd 7 a.m.	54	19	Empress of Ireland	H	?	+0.2	SSW	1-3	0
"	51	9	Dominion	H	30.32	-0.1	N	1-3	7.	"	50	13	Dominion	H	30.36	+0.2	ESE	1-3	m.
" 1 p.m.	51	12	Royal Edward	O	30.42	+0.3	NNE	1-3	0	"	55	12	Mongolian	H	30.45	+0.4	WSW	1-3	m.

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	...	64	53	bc	bc c	6.5	England, S.E.	Margate	...	66	53	0	bc.	2.0
	Stonehaven	...	74	50	bc b	b. bc	6.1		Ramsgate	...	64	52	"	"	2.8
	St. Andrews	...	73	52	bc	bc.	5.6		Folkestone	...	66	50	c. bc	bc.	4.9
	Carnoustie	...	67	53	"	"	6.2		Littlestone	...	"	"	"	"	3.2
England, N.E.	Harrogate	...	68	51	o. c	bc	1.2	England, S.E.	Hastings	...	67	51	o. bc	bc. o	4.0
	Scarborough	...	62	52	bc	0	0.5		Bexhill-on-Sea	...	69	52	o. bc	bc. c	5.8
England, N.W.	Blackpool	...	66	52	c	bc	6.4	England, S.E.	Eastbourne	...	70	52	o. c	bc. c	2.6
	Southport	...	66	55	o. bc	b. bc. c	6.0		Seaford	...	69	50	bc. c	c	4.3
	Buxton	...	66	52	bc	c	0.7		Brighton	...	70	53	o. c	o. c. o	2.8
	Leamington Spa	...	72	53	o. b	c. b.	3.0		Worthing	...	71	52	c	c	4.5
Wales.	Douglas	...	67	51	bc	bc	13.0	England, S.W.	Littlehampton	...	"	"	"	"	4.1
	Rhyl	...	64	54	bc	b.	6.0		Southsea	...	73	54	c. b	c. b. bc.	6.0
	Colwyn Bay	...	67	52	bc. b	b.	5.5		Bournemouth	...	72	52	o. c	c. o	2.6
	Llandudno	...	68	53	0	bc. c	5.2		Ryde	...	70	62	bc. c	bc.	4.0
England, E.	Bettws-y-Coed	...	67	55	c. b	bc. b	9.0	England, S.W.	Weymouth	...	67	55	b	b	8.7
	Aberystwyth	...	60	50	0	0	0.2		Teignmouth	...	67	56	bc	b	7.8
	Lowestoft	...	66	50	0	cm. o. g.	2.3		Torquay	...	66	54	bc	bc	7.4
	Felixstowe	...	61	50	c	cu	1.6		Paignton	...	67	56	bc. c	bc. c	10.5
England, E.	Walton-on-Naze	...	68	51	0	bc. r	4.0	England, S.W.	Ilfracombe	...	75	57	c. b	b. bc. c	7.2
	Southend-on-Sea	...	68	51	0	bc. r	4.0		Weston-super-Mare	...	75	57	c. b	b. bc. c	7.2

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.) ...	52	85	72	54	54	0.06	o. bc	bc. c	op	2.9	Dublin to 4 p.m.	in.	72	55	51	7.0	c. b	bc	He.	
City (Banhill Row) ...	"	"	"	"	"	"	"	"	"	3.4	Plymouth to 9 p.m.	-	69	57	55	b	b	bc	8.1	
Westminster (St. James's Pl.)	57	88	71	57	56	0.06	bc	bc	r. bc	3.8	Darwen	-	69	53	51	c. w. b	m. bc	e. o. g.	1.0	
Camden Sq. (Brit. Rainfall)	49	85	74	56	57	0.09	o. c. bc	o. bc. c	o. o. c	3.8	Manchester "	-	69	55	"	c. o	o	o. c. b	0.3	
Hampstead (Reservoir) ...	"	86	69	53	53	0.07	bc. o. r	o. c	o	4.5	Birmingham "	"	"	"	"	"	"	"	"	
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.											72	54	52	cu. o	o. c	e. o. p.	"
			Total.		Mean Rate.		Max. Rate.				S. Kensington (Museum Grounds to 6 p.m.)	Trace	70	53	49	c. o	o	o. o. g.	"	
S. Kensington (Roof of M.O.)	56	89	1465	Joules.	24.7	Milliwatts.	77.5	Milliwatts.	3.5											

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

3rd July 1913.		Sunrise.	Noon.	Sunset.
Yarmouth		G.M.T. 3.57 3.38	G.M.T. 11.57 11.57	G.M.T. 8.17 8.16
Greenwich		3.50 3.51	12.4 12.4	8.18 8.17
Wick		3.14 3.15	12.16 12.16	9.18 9.17
Valencia		4.28 4.29	12.45 12.45	9.2 9.1

NOTES ON YESTERDAY'S WEATHER.

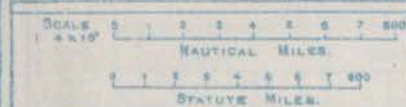
During yesterday temperature rose to above 70° in several parts of these Islands, to 76° at Leith. Rain has fallen at several stations in Great Britain, mostly over the eastern section, the largest measurement reported being 0.35 in. at Dover where thunder occurred. The duration of bright sunshine varied considerably, but generally it was much greater in the north-west and west than in the east and south.

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; n. 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.

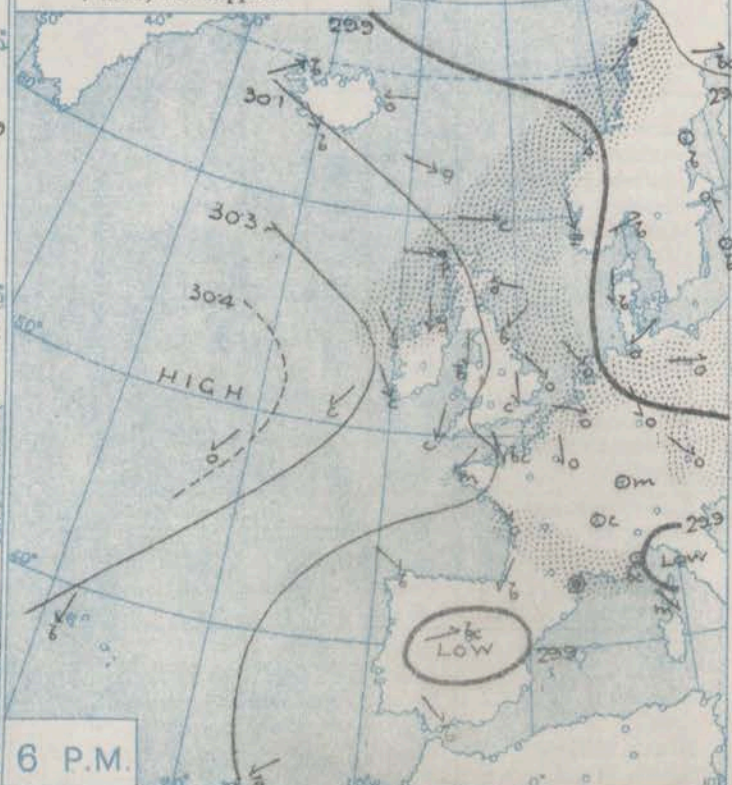
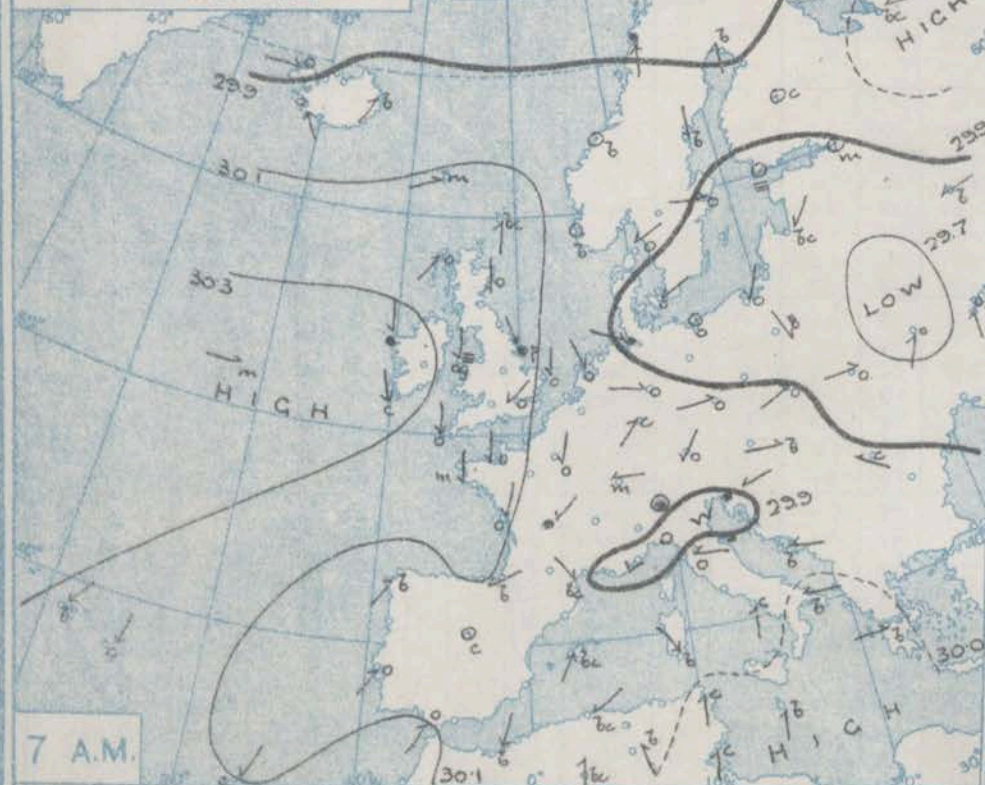
The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers.

* 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 JULY.



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.

The pressure changes over these Islands and the western half of the Continent are slight, and no important modification in the general distribution

is probable during the ensuing twenty-four hours

FORECASTS FOR THE 24 HOURS NOON

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

Wind mainly Northerly, light or moderate; cloudy or overcast, some rain, most on coast; cool.

Wind mainly between North and North-West, light; much cloud, some slight rain; moderate or rather low 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 Coast.	South Coast.
North Coast.	North Coast.

No Warnings Issued.

Friday

TO NOON Saturday.

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

Northerly or North-Westerly winds, light or moderate; cloudy or overcast generally, some rain locally; rather cool.

Northerly winds, light or moderate; cloudy or overcast generally; moderate or rather low temperature

Same as No. 6.

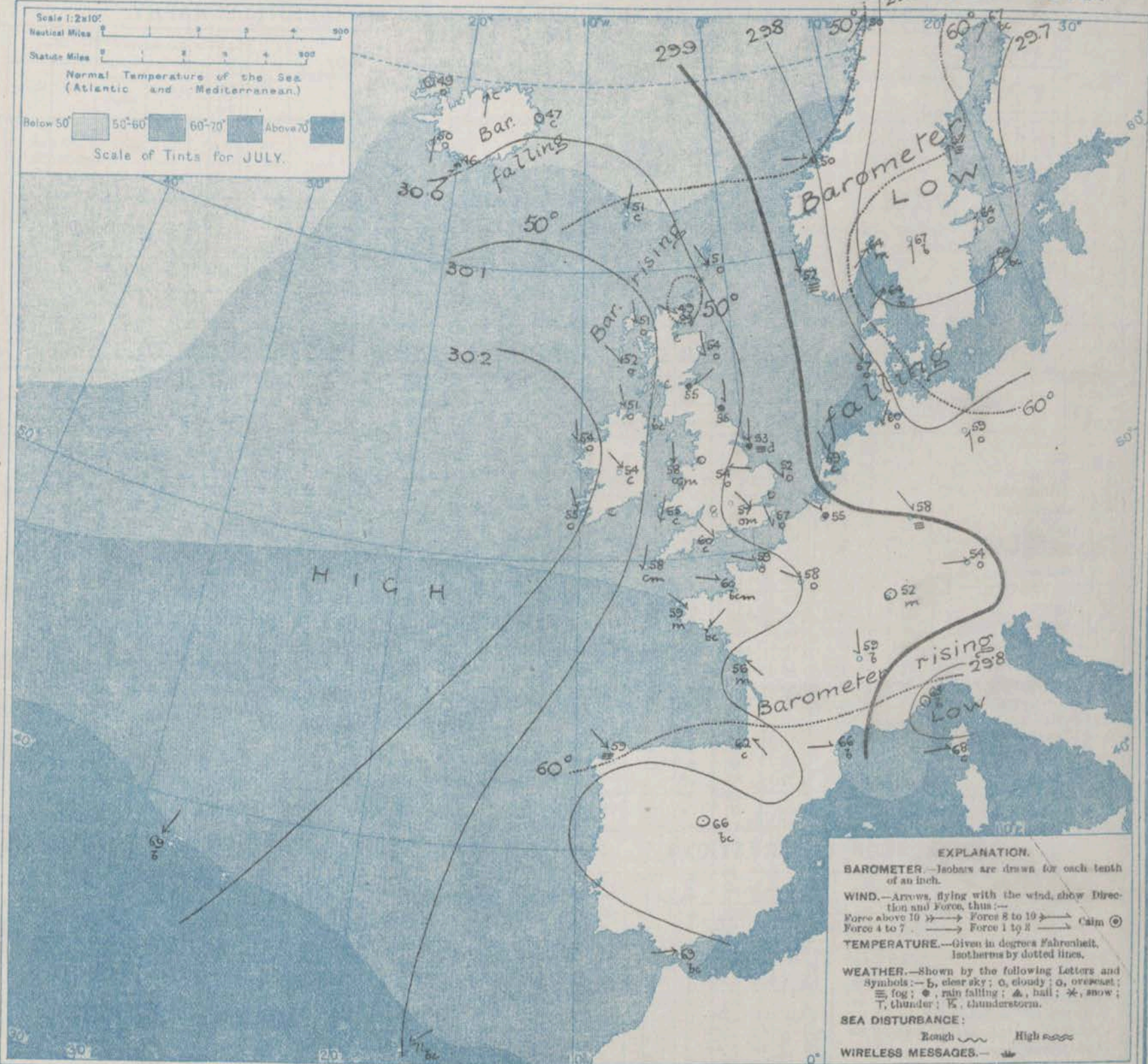
Same as Nos. 7 and 8.

11 WESTERN CHANNEL AND BAY.

Wind mainly Northerly to North-Westerly, light; cloudy or overcast generally, mist locally; sea slight or smooth.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. FRIDAY, 4TH 22 JULY 1913



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The barometer is about 30.2 in. in an anticyclone extending from the Azores to the west of Ireland, below 29.7 in. in a large depression of little intensity covering Sweden and the Skager Rack, and as low as 29.3 in. at Spitzbergen.

Over the United Kingdom, the North Sea, the Netherlands and the north of France the wind is light from some Northerly point, and generally light or moderate in force. On some exposed parts of our western coasts, however, as well as at Shetland, it blows a fresh

or strong breeze. Over the Gulf of Bothnia, beyond the baric minimum in Sweden, a light Southerly breeze prevails. Temperature has fallen or changed little over these Islands, and ranges from 60° or a very little lower in the extreme south and south-west to about 50° in the extreme north of Scotland. Very cloudy or overcast weather prevails in these Islands and the nearer regions of the Continent, with rain at some places along our north-east and east coasts and at Brussels, and dense fog at Spurn Head. Rain is falling on the west coast of Norway, but over a large portion of Scandinavia the weather is fair.

DAILY WEATHER REPORT.

Friday, 4th July 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.	Direc.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Direc.	Force.	
3rd 6pm 47	22		Oceanic	H	30.48	-0.01	NE	1-3	0	3rd 7am 51	21		Royal Edward	O	30.40	-0.03	W	1-3	m.
" 50 13			Celtic	H	30.41	-0.07	NE	1-3	0										

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

STATIONS.		Rainfall. In.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.	STATIONS.		Rainfall. In.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.	Oban ...	...	...	...	...	...	...	England, S.E.	Margate ...	0.26	65	49	*	*	1.2
	Stonehaven ...	0.02	62	55	3.6	bc.c	1.6		Ramsgate ...	0.33	63	53	*	*	2.2
	St. Andrews ...	...	73	52	b	bc.	6.4		Folkestone ...	0.30	64	52	to.c	c.bc	2.4
	Carnoustie ...	...	61	55	*	*	4.9		Littlestone ...	...	...	...	*	*	1.0
England, N.E.	Harrogate ...	...	65	55	0.c	bc.b.	3.2	England, S.W.	Hastings ...	0.13	66	55	op.c	bc.o	0.8
	Scarborough ...	...	62	53	*	*	2.0		Bexhill-on-Sea ...	0.11	67	56	c.bc	c.o	1.3
	Blackpool ...	...	62	57	c	c	4.7		Eastbourne ...	0.08	67	55	bc.o	c.o	1.6
	Southport ...	...	61	56	0.bc	bc.o	3.2		Seaford ...	0.05	69	55	c	c	2.8
England, N.W.	Buxton ...	...	65	54	bc	bc.	1.3	England, S.W.	Brighton ...	0.07	70	58	0.c	c	3.3
	Leamington Spa ...	0.02	69	50	0	c.b.	1.4		Worthing ...	0.08	67	57	c.bc	bc.c	3.7
	Douglas ...	...	64	52	bg	bg	10.2		Littlehampton ...	0.06	67	57	*	*	3.7
	Melbourn ...	...	62	54	bc	bc.	3.5		Southsea ...	0.06	69	58	0.c	bc.	4.0
Wales.	Rhyl ...	...	64	55	c	bc.	4.0	England, S.W.	Bournemouth ...	0.05	67	59	0.c	c.o	1.5
	Colwyn Bay ...	...	64	55	c	bc.	4.0		Falmouth ...	0.03	68	59	c	*	6.3
	Llandudno ...	...	64	55	c	bc.	4.0		Weymouth ...	0.03	70	60	0.c	og	1.1
	Bettws-y-Coed ...	...	62	58	0.c	b.bc	7.0		Teignmouth ...	0.06	70	61	c	c	0.2
England, E.	Aberystwyth ...	...	...	...	...	...	...	England, S.W.	Torquay ...	0.05	67	61	c.o	0	0.1
	Lowestoft ...	0.21	58	52	c.c.o	c.c.o	0.1		Paignton ...	0.05	64	60	0	0	0.0
	Felixstowe ...	0.14	64	53	0	cm.o	0.4		Ilfracombe ...	...	64	58	0	0	2.0
England, E.	Walton-on-Naze ...	0.15	63	53	cm	bc.cm	0.7	England, S.W.	Weston-super-Mare ...	...	70	60	b.bc	cm.b.	2.5
	Southend-on-Sea ...	0.16	67	51	0	bc	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.
		3 p.m. Yester- day.	9 a.m. To-day.	In Screen.	Min. on Gauss.		Fore- noon.	After- noon.					In Screen.	Night Min. on Gauss.	Night.	Fore- noon.	
Greenwich (Royal Observatory) ...		61	88	69	53	48	0	bc.o	0.0	Dublin to 4 p.m.		61	57	53	c.b.	0	b
City (Benhill Row) ...		...	...	...	...	...	...	...	...	Plymouth to 9 p.m.		64	59	57	c.b.	0	og
Westminster (St. James's Park) ...		69	89	68	55	50	...	bc	bc	Darwen "		69	54	51	on.b	og	bc.o
Camden Sq. (Brit. Rainfall) ...		64	84	69	52	51	...	0.c	0.b.c	Manchester "		68	58	...	0	0	0.0
Hampstead (Reservoir) ...		...	91	62	51	43	...	c	om	Birmingham "		66	57	54	0	0	0.3
Kew. (See front page.)		...	...	...	...	...	...	...	...	Oxford to 8 p.m.		65	58	56	op.o	0	0
S. Kensington (Roof of M.O.)		75	82	1118	Joules.	18.1	Milliwatts.	73	Milliwatts.	S. Kensington (Museum Grounds to 6 p.m.)		67	56	55	ogr.o	0.c	0

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

4th July 1913.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 3.28 S.M.T. 3.38	G.M.T. 11.57 S.M.T. 11.57	G.M.T. 8.16 S.M.T. 8.16
Greenwich ...	3.51 3.51	12.4 12.4	8.17 8.17
Wick ...	3.15 3.16	12.16 12.16	9.17 9.16
Valencia ...	10.29 4.29	12.45 12.45	9.1 9.1

NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature rose to 73° at St. Andrews and Glasgow and to about 70° in some parts of England and central Ireland, but on the coast of East Anglia it remained below 60°. Slight rain has fallen in some parts of Scotland and the north-east of England, and more than 0.5 in. at Christiansund. Over these Islands generally there was little bright sunshine, but Aberystwyth and Birr Castle recorded about 7 hours, Holyhead 8 hours, Douglas 10.2 hours and Glasgow 13.8 hrs.

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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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

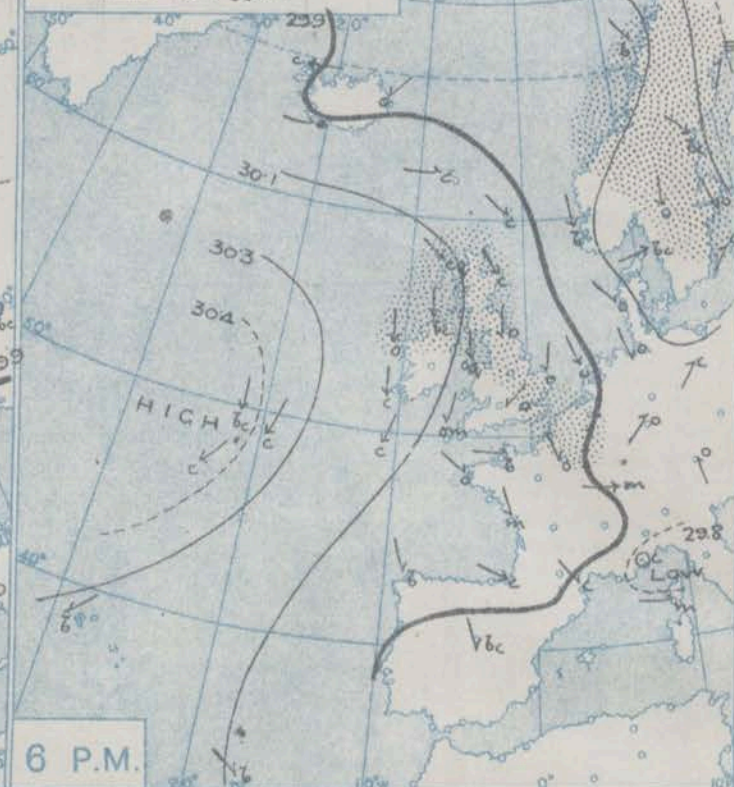
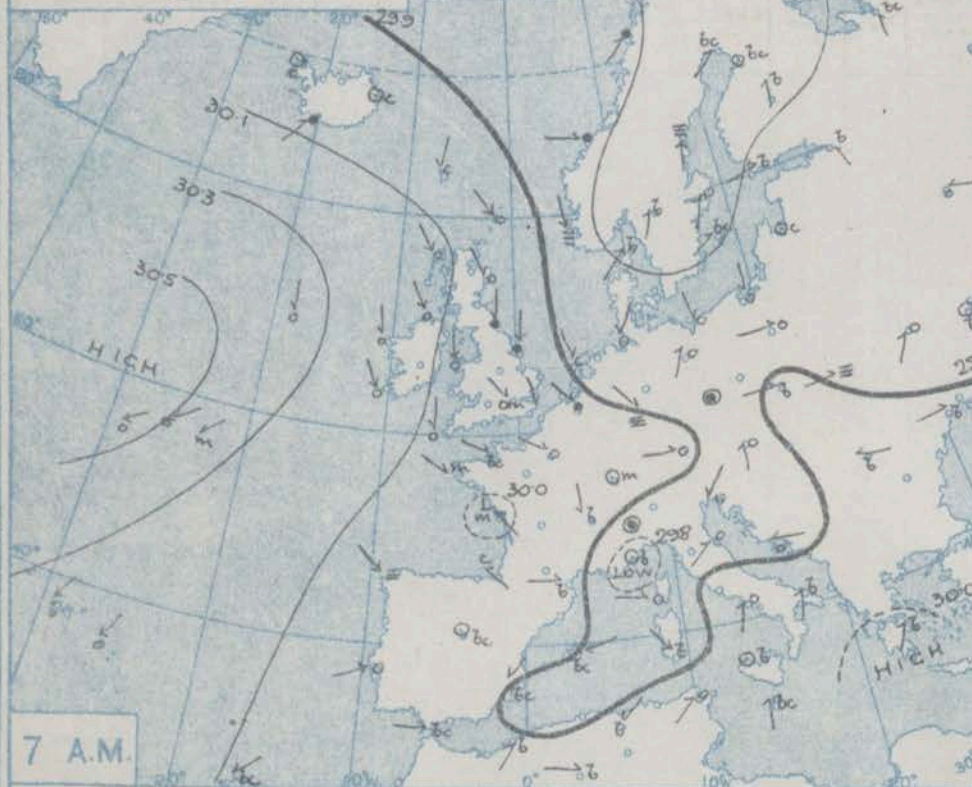
Saturday,
5th July, 1913.

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.	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.	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.	F.				In.	In.	F.						In.	F.	F.				Hours	
BRITISH ISLANDS.	Lerwick	29.96	52	NW	3	c	29.87	-0.09	51	0	WNW	2	c	2	-	54	47	c	cm	b.c.	*	
	Stornoway	30.10	54	NW	4	cq	29.92	-0.18	52	+1	W	2	o	2	0.01	55	50	o.cq	o.cq	c.o.	0.9	
	Castlebay (Barra Isd.)	30.16	54	NW	3	o	29.97	-0.19	52	0	NW	3	op	3	0.03	56	50	o.c	c.o.	c.op	3.0	
	Glasgow	30.04	61	E	1	c	29.97	-0.07	54	-4	W	2	c	*	-	64	49	c.b.c.	c.b.c.	c.b.c.	3.4	
	Malin Head	30.16	54	N	4	bc	30.03	-0.13	52	+1	NW	5	cq	5	0.01	55	49	om	bc	cq	*	
	Blackod Point	30.23	56	N	4	o	30.14	-0.09	52	-2	WNW	3	o	2	Trace	59	50	om	o	om	*	
	Valencia	30.19	56	N	4	c	30.17	-0.02	54	-1	NNW	3	o	3	-	60	53	c	c	c.o	2.2	
	Roche's Point	30.14	59	N	4	c	30.14	*	54	-4	N	3	o	3	-	61	53	c	c	c.o	*	
	Birr Castle	30.14	57	N	3	c	30.11	*	52	-2	NW	2	c	*	-	60	51	c	c	c	0.5	
	Donaghadee	30.10	57	NNW	4	bc	30.04	-0.06	52	-2	NNW	3	c	3	Trace	58	51	bcq	bcq	bcq	*	
	Liverpool Obsy. ...	30.02	56	W	1	r	30.00	-0.02	53	-2	W	3	o	2	0.06	58	53	og	og	o	0.0	
	Holyhead	30.05	56	N	6	o	30.04	-0.01	53	-2	NNW	5	om	4	-	59	52	o.c.b.m.	o.c.b.m.	om	3.0	
	Pembroke (St. Ann's Hd.)	30.06	56	N	4	b	30.06	-0.01	53	-2	N	3	c	3	-	60	51	c	b	b	8.0	
	Newquay	30.03	58	NNW	5	b	30.02	-0.01	55	-4	N	6	ogu	4	-	60	55	c	bc	b.o	7.1	
	Scilly (St. Mary's) ...	30.07	56	NNE	3	om	30.04	-0.03	56	-2	NNE	4	c	4	-	62	53	om	om	bem	2.1	
	Jersey (St. Aubin) ...	29.98	63	W	3	bm	29.96	*	61	+1	WSW	2	om	2	-	68	51	bc.f.m.	bm	bc.f.m.	12.2	
	Portland Bill	29.96	62	W	2	o	29.99	+0.03	58	-2	NE	3	c	2	-	65	57	c	c.o	og.o	*	
	Dungeness	29.94	59	ESE	3	c	29.96	+0.02	55	-3	NE	3	o	3	0.10	62	54	c	c	c.o	*	
	Dover	29.95	60	NNW	3	c	29.98	*	54	-3	NNE	3	o	3	0.05	63	52	o.c	c	c.o	0.4	
	Wick	30.02	51	NW	3	o	29.90	-0.12	50	+1	W	1	om	2	0.08	55	48	omq	c.o	omd	*	
	Nairn	30.06	55	NNW	2	c	29.93	*	54	+2	NW	1	c	1	-	58	49	c	bc.c.	c	1.5	
	Aberdeen	30.02	56	WNW	4	c	29.91	-0.11	55	+1	NNW	2	o	2	0.04	58	50	c.o	c.o	c.op	0.5	
	Leith	30.02	60	NE	2	c	29.94	-0.08	56	+1	WSW	2	b	*	0.02	61	53	r.o	c.b.c.	bc.c	*	
	North Shields	30.05	55	N	2	o	29.97	-0.08	53	-2	NNW	1	o	2	0.10	57	52	r	o	c.or	0.0	
	Spurn Head	30.00	54	NNE	3	o	29.98	-0.02	55	+2	WNW	3	om	4	-	57	51	cpd	ov	ov.om	0.0	
Yarmouth	29.96	56	N	2	o	29.97	0.00	52	0	W	2	c	2	0.01	58	48	o	o	o.b.c.	0.0		
Clacton-on-Sea	29.95	58	NE	2	o	29.98	0.00	54	0	NNW	1	bc	o	0.08	64	51	og	og	og.b.c.	0.1		
Nottingham	30.01	54	NE	3	o	30.00	*	54	0	W	2	o	*	0.02	58	50	odhv	d.op	o	0.0		
Bath	29.98	65	N	2	o	30.01	*	56	-3	-	o	o	*	-	72	54	*	*	*	4.5		
London (Kew Obsy.)...	29.97	63	NE	3	o	29.99	0.00	55	-2	NNE	1	om	*	0.08	68	53	omq	c.o.c.o	ond	1.3		
ICELAND, FAEROE, &c.	Spitzbergen	29.97	39	N	8	bc	29.40	+0.57	39	+6	NE	6	o	*	-	39	32	*	*	*		
	Isafjord	29.91	52	E	5	c	30.09	+0.18	48	-1	-	o	b	*	-	*	*	*	*	*		
	Reykjavik	29.89	54	SW	3	bc	30.01	0.12	51	+1	-	o	b	1	*	*	*	*	*	*		
	Vestmanna	29.91	46	W	2	r	30.00	+0.09	48	+2	N	3	b	1	*	*	*	*	*	*		
	Seydisfjord	29.87	46	NE	1	o	29.99	+0.12	47	0	NE	2	c	*	*	*	*	*	*	*		
SCANDINAVIA.	Thorshavn	29.99	52	W	3	c	29.82	-0.17	51	0	-	o	m	*	*	*	*	*	*	*		
	Haparanda	29.40	55	SW	2	f	29.42	+0.02	51	-16	N	6	o	*	0.24	73	50	*	*	*		
	Hernösand	29.54	57	NW	4	bc	29.56	0.00	58	+1	NW	4	c	*	0.12	61	50	*	*	*		
	Stockholm	29.51	65	NNW	2	o	29.53	-0.02	55	-9	N	4	o	*	0.04	77	52	*	*	*		
	Wisby	29.59	59	SW	2	o	29.52	-0.07	59	-5	WSW	2	r	*	Trace	64	54	*	*	*		
	Karlstad	29.56	63	N	4	o	29.59	0.00	55	-12	NE	2	bc	*	0.35	75	52	*	*	*		
	Færder (X'laula Fjord)	29.56	62	ESE	2	o	29.60	+0.04	58	-6	NNE	4	c	2	-	64	55	*	*	*		
	Bodö	29.71	50	NW	2	b	29.75	0.00	47	-3	-	o	c	1	0.24	50	43	0.24	50	43		
	Christiansund	29.84	51	-	o	o	29.76	-0.08	50	0	NE	1	c	2	0.08	52	46	*	*	*		
	Skudesnaes	29.73	53	NNW	6	b	29.70	0.00	51	-1	N	8	bc	2	-	54	46	*	*	*		
GERMANY, &c.	The Scaw (Skagen)...	29.55	61	WSW	4	bc	29.52	0.00	59	-5	NNE	4	o	o	-	72	54	*	*	*		
	Blaavands Huk	29.76	56	NW	3	o	29.67	-0.09	55	-2	WNW	6	o	4	-	59	52	*	*	*		
	Cuxhaven	29.80	57	NNW	3	o	29.77	-0.03	56	-4	WNW	3	o	o	-	66	54	*	*	*		
	The Helder	29.90	56	NNW	3	o	29.89	-0.01	54	-5	NW	3	c	2	-	59	52	*	*	*		
	Brussels	29.91	56	NNW	2	o	29.93	0.00	52	-3	NNE	1	r	*	0.04	61	52	*	*	*		
	Berlin	29.74	66	SW	1	c	29.76	+0.02	57	-2	NW	3	o	*	Trace	70	55	*	*	*		
	Frankfurt	29.87	60	SW	1	o	29.86	+0.01	58	0	SW	1	r	*	-	66	57	*	*	*		
	Munich	29.89	53	SSE	2	o	29.91	+0.02	55	+1	W	3	c	*	0.20	64	52	*	*	*		
	C. Gris Nez	29.95	58	NE	2	o	29.95	+0.00	55	-2	NE	4	c	3	0.04	63	54	*	*	*		
	La Hève	29.96	62	WNW	2	m	29.89	-0.07	56	-3	NE	2	m	2	-	68	52	*	*	*		
FRANCE.	Brest (St. Mathieu) ...	30.04	61	NW	2	o	30.03	+0.01	57	-2	NNW	4	c	2	-	68	55	*	*	*		
	Lorient (Rec Molen)...	29.90	68	NNW	2	b	29.97	0.00	58	+1	NW	4	o	3	-	72	54	*	*	*		
	Rochefort (Ile d'Aix) ...	29.97	63	NW	3	c	29.96	+0.01	61	+5	W	2	bc	*	-	73	56	*	*	*		
	Biarritz	30.00	67	WNW	4	c	30.02	0.00	63	+1	ESE	1	c	1	-	68	61	*	*	*		
	Paris	29.94	64	N	2	o	29.95	+0.01	57	-1	N	2	o	*	Trace	65	55	*	*	*		
	Belfort	29.91	61	W	6	m	29.94	*	57	+5	W	4	o	*	-	69	56	*	*	*		
	Lyons	29.93	67	NNW	2	b	29.95	0.00	62	+3	NW	1	o	*	-	73	57	*	*	*		
	Nice	29.78	65	-	o	c	29.82	+0.04	68	+5	-	o	b	2	-	77	57	*	*	*		
	Perpignan	29.88	74	W	3	c	29.94	+0.06	68	+2	WNW	3	o	*	-	80	65	*	*	*		
	Sanguinaire	29.86	69	W	3	m	29.86	0.00	68	0	SE	3	m	3	-	75	61	*	*	*		
SPAIN, PORTUGAL, &c.	Corunna (S.a.m.)	3																				

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

SCALE
NAUTICAL MILES
STATUTE MILES

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.

Small depressions, secondary to the large system over northern Europe, will probably move in a

southerly or south-easterly direction over the United Kingdom and the North Sea.

FORECASTS FOR THE 24 HOURS NOON

Saturday

TO NOON Sunday.

0 {
a
b

Wind between North-West and West, light or moderate; much cloud, some rain; temperature changing little.

1

2 {
a
b

3

Wind mainly between West and North-West, of little force; cloudy or overcast generally, some rain; temperature continuing rather low.

4 {
a
b

5

Wind between North-East and North-West, light; mostly cloudy or overcast, some local showers, brighter at times; little change of temperature.

FORECAST DISTRICTS.



STORM WARNINGS.

The Counts 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

8 {
a
b

North-easterly and North-Westerly winds, light or moderate; cloudy, some local showers; rather low temperature.

9 {
a
b

Wind mainly North-easterly, light or moderate, fresh locally; changeable, some rain, mostly in west and north; temperature rather low.

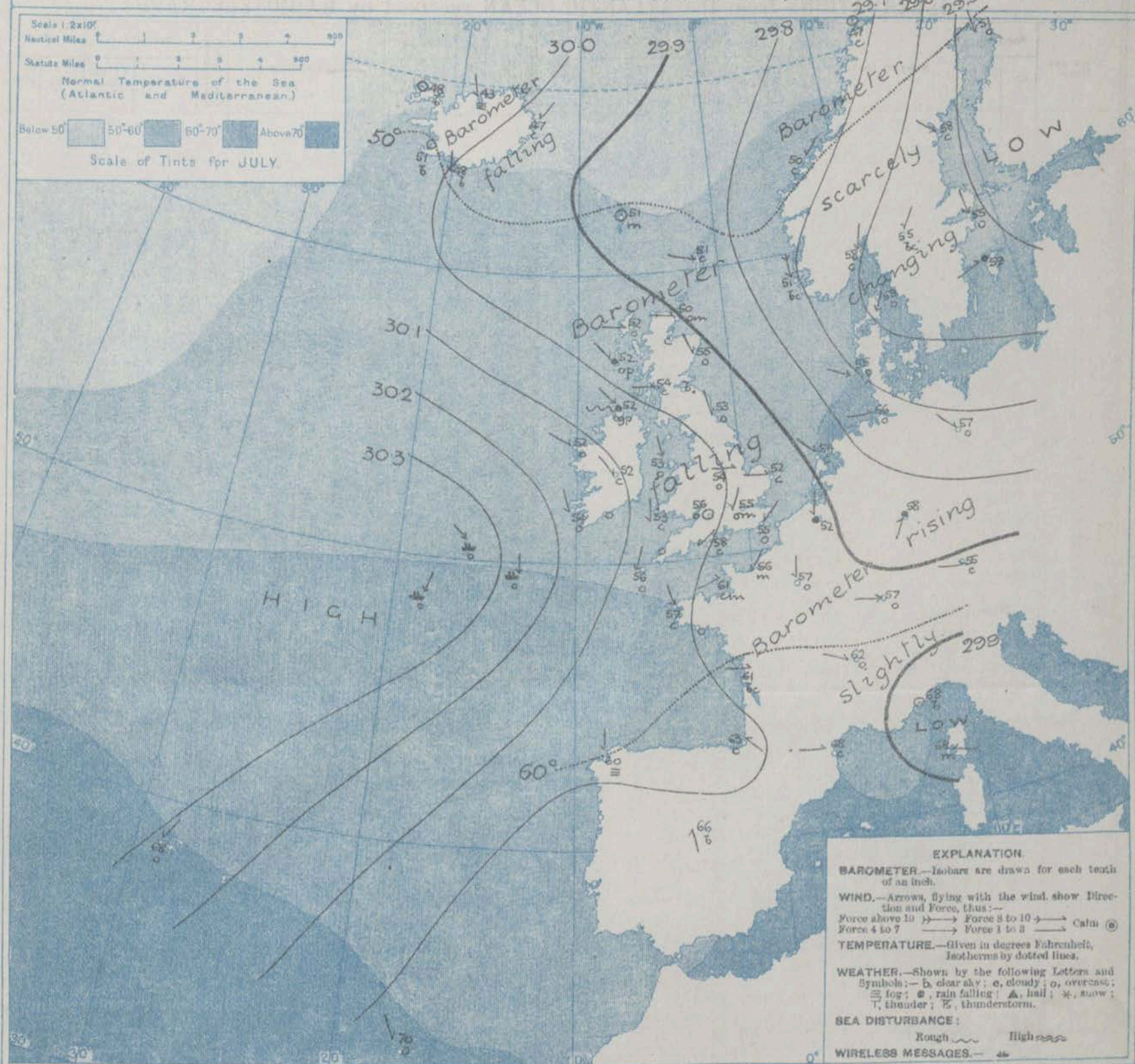
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a
b

11 WESTERN CHANNEL AND BAY.

Wind mainly North-easterly or North-Westerly, light or moderate; cloudy, or overcast generally; sea slight.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. SATURDAY, 5TH JULY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The barometer is above 30.1 in. over the western half of Ireland, and higher over the Atlantic between Ireland and the Azores. The lowest readings are found in the east and north of Sweden, the figure at Haparanda being 29.42 in.

Over the United Kingdom and its neighbourhood the main wind current is from some northerly point, but locally it is westerly in some parts of Scotland, and also in central and eastern England. In force it is mostly light or moderate, but a

fresh breeze prevails at Malin Head and Ballyhead, and a strong breeze at Berquay, while on the south-west coast of Norway a gale is reported. Temperature has fallen in most regions. Over this country it ranges from 61° at Jersey and 58° at Portland Bill to 50° at Wick. Showers are falling on the extreme north-west coasts of these Islands, and rain is reported at Brussels, Frankfurt and Wisby; over the United Kingdom and western Europe generally the sky is very cloudy or overcast.

DAILY WEATHER REPORT.

Saturday, 5th July 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	Outward. O Homeward. H	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	Outward. O Homeward. H	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.	
5th 7 a.m.	48	18	Minnewaska	H	30.38	-.03	NNE	4-5	0	4th 6 p.m.	49	10	Oceanic	H	30.16	-.03	NNE	4-5	c
"	50	15	Carmania	H	30.22	-.03	NW	4-5	0	" 7 a.m.	47	28	Minnewaska	H	30.52	-.02	ENE	4-5	0
"	49	13	Lapland	H	30.28	-.02	N	4-5	0	"	48	26	Carmania	H	30.49	-.05	NE	4-5	f
4th 6 p.m.	47	23	Minnewaska	H	30.49	-.01	ENE	4-5	c	"	48	23	Lapland	H	30.45	-.02	NE	1-3	m.
"	49	21	Carmania	H	30.49	+.02	N	4-5	bc.	"	55	18	Tunisian	H	30.53	+.01	NNW	1-3	0.
"	48	19	Lapland	H	30.38	-.09	NE	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.	
Oban ...	...	60	53	bc. b	b.	7.0	Margate ...	...	62	50	o	o	0.1
Stonehaven ...	0.04	61	53	e. bc. v	bc. c	3.6	Ramsgate ...	...	59	54	*	*	0.1
St. Andrews ...	0.19	59	53	b	b.	0.5	Folkestone ...	...	62	56	o. bc	c. bc	0.1
Carnoustie ...	0.04	60	53	*	*	1.0	Littlestone ...	...	66	56	o. c	o	1.5
Harrogate ...	0.15	58	52	d. ad	o	0.0	Hastings ...	...	67	57	bc. c	c. o	1.9
Scarborough ...	*	57	52	or	og	0.0	Bexhill-on-Sea ...	...	68	62	o	bc. o	4.0
Blackpool ...	0.01	60	56	c	op.	0.1	Eastbourne ...	...	70	58	c	c	3.5
Southport ...	0.03	59	55	o	od. r	0.0	Seaford ...	...	69	58	bc. c	c. o	4.7
Buxton ...	0.02	55	52	c	c	0.0	Brighton ...	...	71	56	bc	bc. c.	4.8
Leamington Spa ...	...	61	56	o	o	0.0	Worthing ...	...	71	56	*	*	6.6
Douglas ...	...	59	52	bc. y	bc. y	7.5	Littlehampton ...	...	75	56	bc	c. od.	6.2
Rhyl ...	...	64	54	o	o	0.0	Southsea ...	...	73	56	g. c	o	2.4
Colwyn Bay ...	...	57	53	bc	bc. bc	0.0	Bournemouth ...	...	73	56	g. c	o	4.5
Llandudno ...	0.01	59	54	o	o	0.0	Ryde ...	...	64	58	bc.	o. c. bc.	5.8
Bettws-y-Coed ...	...	62	46	c	c. b.	2.7	Exmouth ...	...	65	56	b. bc	b.	9.5
Aberystwyth ...	...	59	53	o. c. o	o. c.	1.8	Falmouth ...	...	73	56	o. c	bc.	0.3
Lowestoft ...	...	58	51	o	o	0.0	Weymouth ...	...	71	56	b	bc. c.	6.7
Felixstowe ...	...	62	53	o	em. o	0.1	Teignmouth ...	...	71	56	bc	bc	10.0
Walton-on-Naze ...	...	62	52	cd. c	omg. d.	0.4	Torquay ...	...	71	55	bc. b.	bc.	12.5
Southend-on-Sea ...	...	64	50	o	o	1.0	Paignton ...	...	64	53	g. bc. b.	d. bc.	6.9
							Ilfracombe ...	...	69	58	c. bc. b.	bc.	2.0
							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.
		In Screen.	Min. on Grass.		Forenoon.	Afternoon.				In Screen.	Night Min. on Grass.	Night.	Forenoon.	
Greenwich (Royal Obs.) ...	65	69	51	0.10	o.	o	0.6	Dublin to 4 p.m.	...	61	56	54	o.	...
City (Bunhill Row) ...	...	...	...	...	...	...	1.6	Plymouth to 9 p.m.	...	...	...	...	...	...
Westminster (St. James's Pk.) ...	74	69	53	0.12	bc	bc	1.2	Darwen "	0.03	58	51	52	c. o. o	od. and
Camden Sq. (Brit. Rainfall) ...	65	72	52	0.13	o. c	bc. c. o	1.6	Manchester "	...	58	54	...	op	op
Hampstead (Reservoir) ...	...	66	49	0.14	c. or	c	1.0	Birmingham "	0.05	60	53	50	o	o. d
Kew. (See front page.)	67	...	...	...	...	...	...	Oxford to 8 p.m.	...	65	54	47	o. c. o	ac. o
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.														
		Total.	Mean Rate.			Max. Rate.								
S. Kensington (Roof of M.O.)		74	76	1020 Joules.	172 Milli-watts.	77.5 Milli-watts.	1.3	S. Kensington (Museum Grounds to 6 p.m.)	...	69	55	49	o	o. c

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

5th July 1913.	Sunrise.	Noon.	Sunset.
G.M.T.	G.M.T.	G.M.T.	
Yarmouth ...	3.38	11.57	8.16
Greenwich ...	3.51	12.4	8.17
Wick ...	3.16	12.16	9.16
Valencia ...	4.24	12.45	9.1

NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature rose to a little above 70° at some stations in the south of England, touching 75° at Southsea. At many stations in the north & north-east the maxima were below 60°. Slight rain has fallen in various parts of the Kingdom, and excepting at some extreme south-western and southern stations, as well as at Douglas and Oban, very little bright sunshine has been recorded. According to wireless reports a moderate breeze between N. and N.E. prevailed as far west as the 22nd 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; 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.

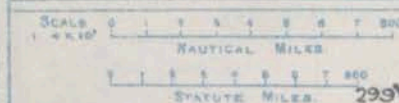
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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

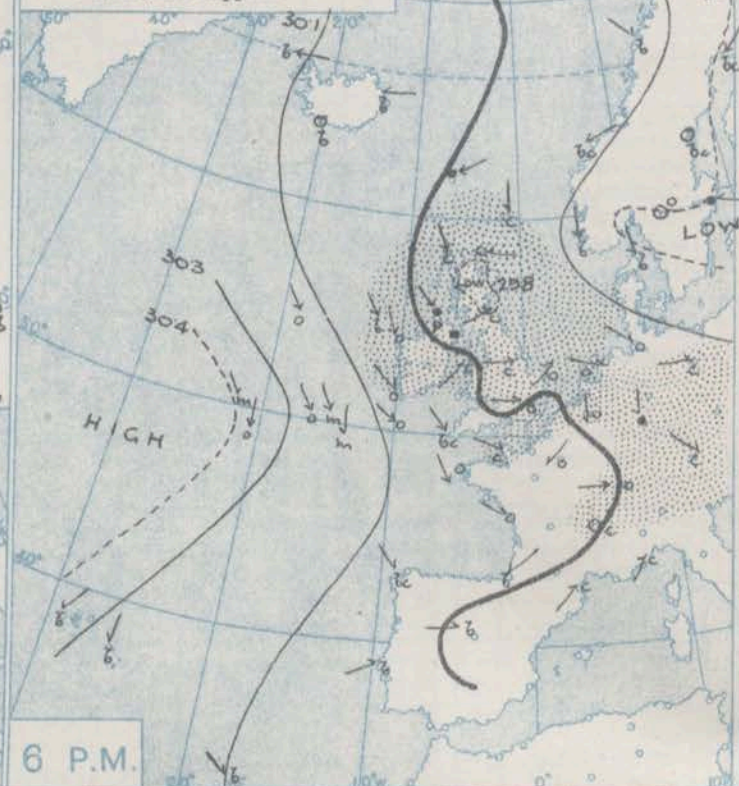
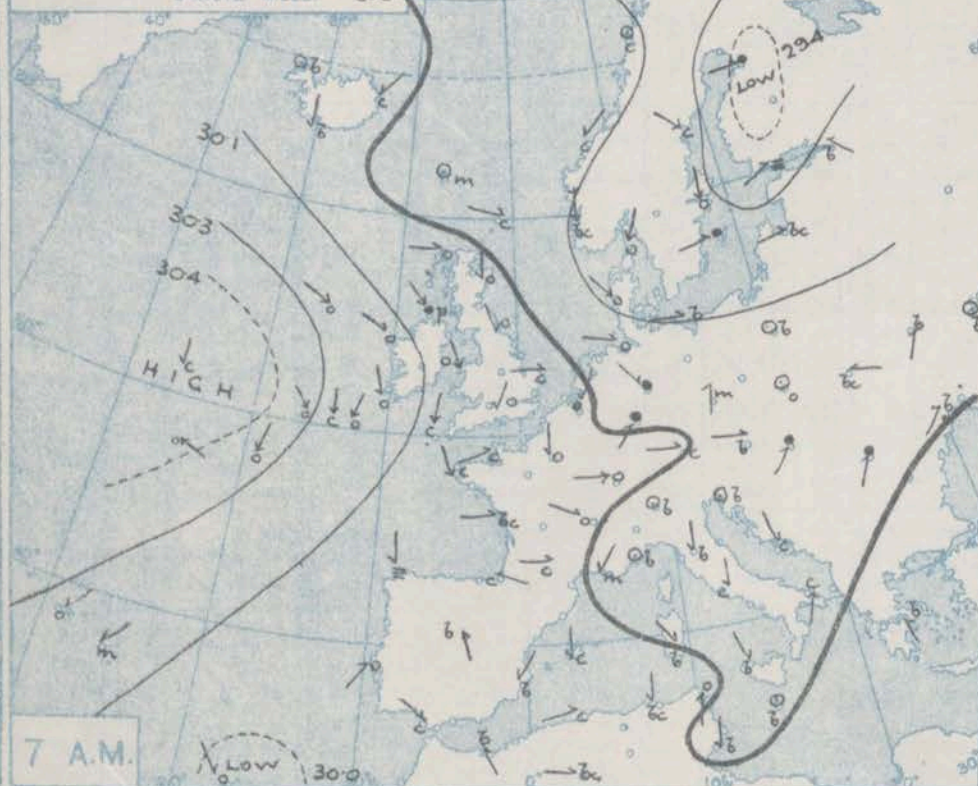
Sunday,
6th July, 1913.

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.	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.	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.
BRITISH ISLANDS.																								
Lerwick	29.81	53	N	2	C			29.81	0.0	50	-1	NNW	3	C	2	0.02	56	47	C	ep	C			
Stornoway	29.86	53	NNW	4	Cg			29.89	+0.2	53	+1	N	5	bc	4	0.16	57	50	C. clp	Cg	C. bcg	3.4		
Castlebay (Barra Isd.)	29.86	53	NW	4	bc			29.89	+0.1	53	+1	N	3	C	2	0.08	57	50	op. clp	op. bc	bc. bc	6.5		
Glasgow	29.81	52	WSW	2	T			29.81	+0.1	53	-4	-	0	C	0	0.13	56	50	C. C.	ep	op. C.	3.1		
Malin Head	29.87	52	NW	5	Cmpg			29.87	+0.2	51	-1	NW	4	ep	3	0.03	55	50	Cnd	Cmpg	Cmpg			
Blackod Point	30.01	54	NNW	2	O			29.99	0.0	54	+2	NNW	4	O	3	0.07	59	50	om. op. cl	op. cl	op. cl			
Valencia	30.06	55	NW	3	O			30.01	0.0	56	+2	NNW	4	C	4	0.01	57	51	om	om	C	0.1		
IRISH ISLANDS.																								
Roche's Point	30.01	59	NNW	4	C			29.95	0.0	54	0	N	4	C	3	0.02	60	52	op	op. C	op. bc			
Birr Castle	29.93	57	NW	3	C			29.92	0.0	52	0	NW	3	C	3	0.02	62	50	C	ep	C	0.7		
Donaghadee	29.86	55	NW	2	Cpm			29.93	-0.1	52	0	N	4	Cg	3	0.14	60	50	bc	Cmp	bc. Cg			
Liverpool Obsy.	29.95	55	W	4	C			29.96	0.0	52	-1	NNW	3	C	2	0.16	59	51	op	bc	ep			
Holyhead	29.91	56	SW	3	Cpm			29.80	0.0	53	0	NW	5	op	4	0.13	60	52	op. cl	bc. om	C. Cg	2.7		
Pembroke (St. Ann's Hd.)	29.97	55	NW	3	bc			29.84	-0.2	52	-1	NNW	4	Cg	4	0.02	60	51	C	bc	bc	4.7		
Newquay	29.98	56	NW	3	C			29.85	0.0	53	0	NNW	6	C	5	0.0	58	53	ov	bc	bc. Cg	3.9		
SCOTLAND.																								
Scilly (St. Mary's) ...	30.02	58	NNW	4	bc			29.87	0.0	55	-1	NNW	5	C	4	0.0	60	52	Cm	bc	C	3.9		
Jersey (St. Aubin) ...	29.95	63	WNW	2	C			29.82	0.0	57	-4	W	2	om	3	0.03	66	55	C	om. C	Cmpg	1.8		
Portland Bill	29.92	57	WSW	3	O			29.77	-0.2	56	-2	NW	4	C	3	0.0	64	56	C	C	C			
Dungeness	29.92	58	S	1	O			29.72	-0.1	55	0	NNE	3	C	3	0.03	61	54	C. C	C. C	C. C			
Dover	29.92	56	SW	2	C			29.72	0.0	56	+2	NW	2	C	2	0.11	64	52	C. bc	C. op. r	bc. C	2.6		
ENGLAND.																								
Wick	29.83	52	ESE	2	C			29.81	0.0	52	+2	NNW	3	C	2	0.14	55	48	om. r	C	C			
Nairn	29.79	53	NE	1	bc			29.83	0.0	53	-1	-	0	C	1	0.12	61	48	pr	bc	C. C	3.7		
Aberdeen	29.82	54	ESE	1	C			29.81	0.0	54	-1	NNW	2	C	1	0.32	56	50	op. om	C. C	C. C	0.2		
Leith	29.79	53	WSW	3	C			29.78	+0.2	53	-3	NW	2	C	1	0.02	61	52	C. C	C. C	ep			
North Shields	29.82	59	WSW	3	O			29.77	0.0	53	0	E	1	C	2	0.01	61	51	C	C. C	or	0.8		
Spurn Head	29.80	55	SSE	2	O			29.73	0.0	54	-1	E	2	C	3	0.07	57	51	om	om	C. C	0.6		
W. COAST OF ENGLAND.																								
Yarmouth	29.88	57	WSW	2	O			29.70	-0.3	52	0	W	2	C	2	0.0	59	50	or	C	bc	0.1		
Clacton-on-Sea	29.90	60	SSW	2	O			29.71	-0.2	56	+2	WNW	2	C	1	0.24	62	52	bc. C	op. C	op. C	3.4		
Nottingham	29.87	57	W	4	C			29.78	0.0	51	-3	SW	1	op. om	0	0.11	63	49	or	C. C	C. C	1.9		
Bath	29.87	62	W	2	O			29.78	0.0	50	-3	N	1	C	0	0.12	66	51	-	-	-	0.3		
London (Kew Obsy.) ...	29.90	61	W	2	O			29.75	-0.1	54	-1	WNW	1	C	0	0.02	61	52	C. C	or. C	om. C	0.1		
N. COAST OF EUROPE.																								
Spitzbergen	29.82	38	N	4	b			29.62	+0.2	39	0	N	3	b	2	0.0	39	26	-	-	-			
Isafjord	30.11	51	E	3	b			30.05	+0.1	43	-5	-	0	b	2	0.0	51	36	-	-	-			
Reykjavik	30.04	55	W	3	b			30.12	0.0	50	-1	-	0	b	2	0.0	51	36	-	-	-			
Vestmanna	30.04	55	-	0	b			30.11	-0.1	47	-1	-	0	b	1	0.0	51	36	-	-	-			
Seydisfjord	30.06	60	E	2	b			30.04	-0.2	48	+1	-	0	b	2	0.0	51	36	-	-	-			
Thorshavn	29.90	47	ENE	5	T			29.96	+0.1	46	-5	N	3	C	2	0.0	51	36	-	-	-			
SCANDINAVIA.																								
Haparanda	29.56	58	NNE	4	bc			29.65	+0.1	56	+3	NNW	4	b	2	0.0	61	41	-	-	-			
Hernösand	29.61	53	-	0	bc			29.67	+0.2	58	0	-	0	b	2	0.0	61	50	-	-	-			
Stockholm	29.60	54	ESE	2	T			29.61	+0.2	55	0	ESE	4	C	2	0.0	61	50	-	-	-			
Wisby	29.57	56	NNE	2	C			29.56	0.0	53	-6	NNE	2	C	1	0.0	61	48	-	-	-			
Karlstad	29.60	55	-	0	C			29.63	+0.2	57	+2	E	2	C	0	0.0	64	52	-	-	-			
Färder (X'ania Fjord)	29.59	61	NNW	2	C			29.60	+0.1	58	0	SE	3	C	2	0.0	63	55	-	-	-			
Bodö	29.76	51	NW	1	b			29.79	+0.1	47	0	SW	2	b	1	0.0	56	46	-	-	-			
Christiansund	29.74	52	ENE	2	bc			29.71	-0.1	48	-2	NE	4	C	2	0.0	54	46	-	-	-			
Skudesnaes	29.67	50	N	6	b			29.62	-0.2	51	0	N	6	C	2	0.0	53	46	-	-	-			
The Scaw (Skagen) ...	29.61	59	NNW	2	b			29.58	-0.1	60	+1	-	0	C	0	0.0	66	52	-	-	-			
Blaavands Huk	29.72	53	NW	4	bc			29.65	-0.1	56	+1	NW	3	bc	3	0.0	66	52	-	-	-			
GERMANY, &c.																								
Cuxhaven	29.78	54	NW	3	O			29.70	-0.2	56	0	W	3	C	0	0.0	59	52	-	-	-			
The Helder	29.86	55	WNW	3	O			29.68	-0.4	54	0	SW	2	C	1	0.12	57	50	-	-	-			
Brussels	29.89	54	N	2	O			29.75	-0.6	55	+3	SW	2	C	0	0.0	63	50	-	-	-			
Berlin	29.75	59	N	3	C			29.74	-0.1	56	-1	NW	3	C	0	0.0	66	54	-	-	-			
Frankfurt	29.86	57	SE	1	T			29.79	-0.2	56	-2	SW	1	C	0	0.04	64	50	-	-	-			
Munich	29.86	59	NW	2	C			29.79	-0.1	56	+1	SW	4	C	0	0.12	64	54	-	-	-			
FRANCE.																								
C. Gris Nez	29.92	60	E	1	C			29.72	-0.4	57	+2	NNW	4	C	3	0.04	66	54	-	-	-			
La Hève	29.92	59	NE	1	O			29.80	0.0	55	-1	WNW	3	C	3	0.08	64	48	-	-	-			
Brest (St. Mathieu) ...	30.03	57	NNW	4	C			29.91	-0.2	57	0	W	3	C	3	0.0	63	55	-	-	-			
Lorient (Rec Molen) ...	29.93	64	N	3	C			29.84	0.0	57	-1	NW	3	C	3	0.0	63	52	-	-	-			
Rochefort (Ile d' Aix)	29.95	62	WNW	3	O			29.89	+0.1	59	-2	NW	3	C	2	0.0	63	59	-	-	-			
Biarritz	29.99	65	NE	3	b			29.97	0.0	64	+1	NE	2	C	2	0.0	73	61	-	-	-			
SPAIN, PORTUGAL, &c.																								
Corunna (S.a.m.)	30.04	63	NNW	2	bc			30.05	0.0	59	-1	NNW	2	C	2	0.0	66	55	-	-	-			
Lisbon (S.a.m.)	30.05	64	WSW	3	b			30.06	+0.1	64	0	SSW	3	bc	2	0.0	70	59	-	-	-			
Gibraltar	30.05	64	WSW	3	b			30.06	+0.1	64	0	SSW	3	bc	2	0.0	70	59	-	-	-			
Azores (Horta S.a.m.)	30.35	66	NNE	2	b			30.30	+0.1	67	-1	NNE	3	b	2	0.0	73	64	-	-	-			
Madeira (Funchal) ...	30.10	73	NW	2	b			30.09	-0.1	70	0	NW	2	b	2	0.0	73	55	-	-	-			

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



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 {
1
2 {
3
4 {
5

Nope 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 Coast.	South Coast.
North Coast.	North Coast.

No Warnings Issued.

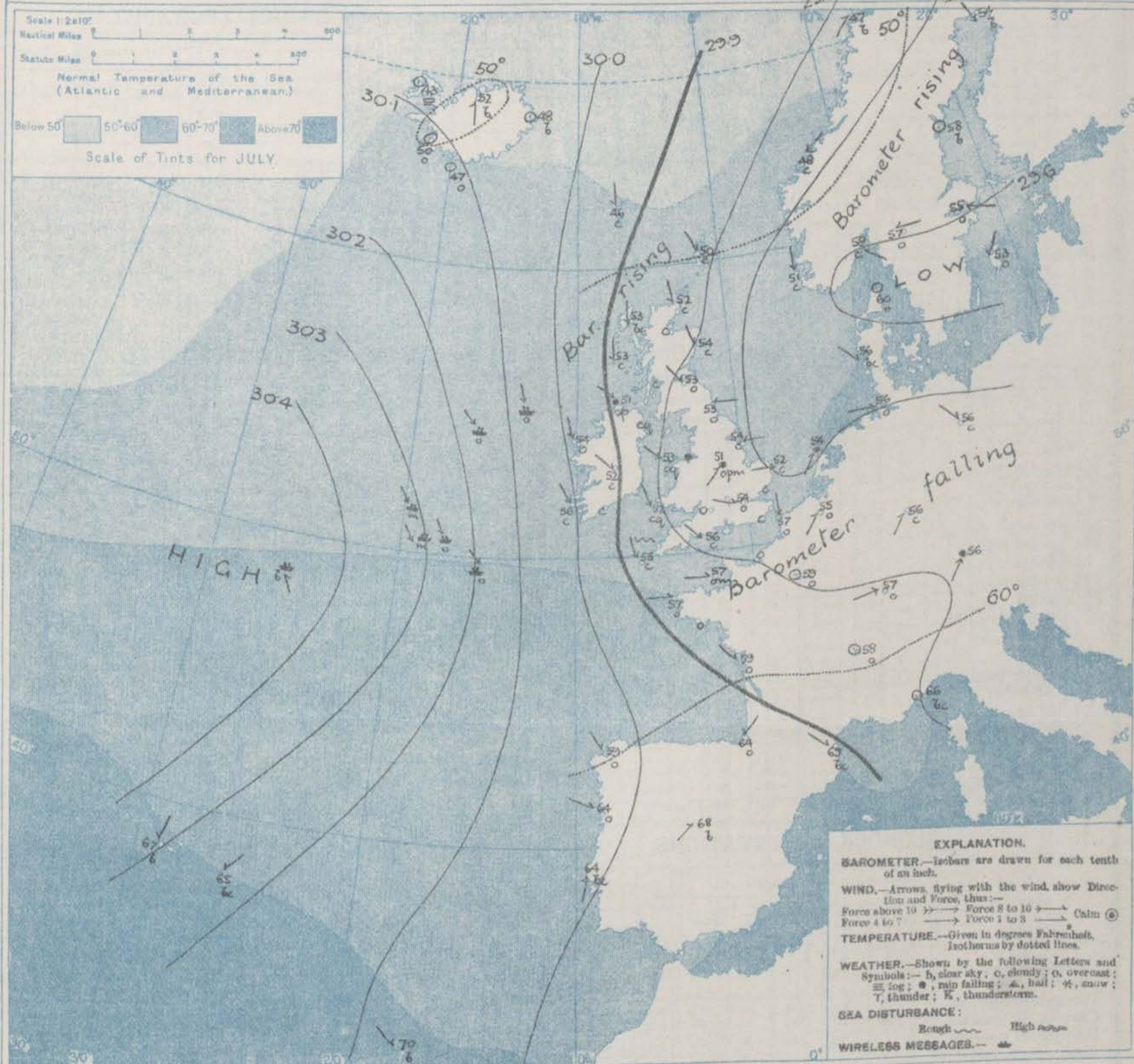
6 {
7 {
8 {
9 {
10 {

Nope Issued.

11 WESTERN CHANNEL AND BAY.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. SUNDAY, 6TH JULY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The region under observation is divided between an anticyclone out on the Atlantic, with the barometer above 30.4 in. in lat. 50° N long. 25° W., and a depression beyond the North Sea, with pressures below 29.6 in. from Northern Denmark to the Baltic. The gradient is slight.

Calms prevail over Iceland, but over our area generally a North-westerly to North-easterly breeze is reported, and nearly everywhere it is moderate to light in force.

At the home stations temperatures range from 50° at Lerwick to 57° at Jersey; on the continent from 47° at Oslo to 68° at Madrid; and in Iceland from 47° to 52°. In most regions the sky is very cloudy or overcast, and showers are falling at a few isolated stations. The sea is moderate to very smooth.

DAILY WEATHER REPORT.

Sunday, 6th July, 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.	
5th 6pm.	50	21	Ascaris	H	30.40	-0.02	NNW	1-3	m	5th 6pm.	51	10	Carmania	H	30.13	-0.08	NW	4-5	o
"	48	20	Vaderland	H	30.34	-0.02	N	4-5	o	"	50	9	Montrose	H	30.11	-0.10	NW	4-5	o
"	50	16	Ausonia	O	30.27	+0.02	NW	6-7	o	"	50	25	Ascaris	H	30.47	-0.03	N	1-3	c
"	50	15	Mount Royal	O	30.24	+0.01	NNW	4-5	m	"	47	23	Vaderland	H	30.46	-0.01	ESE	4-5	o
"	49	13	Minnewaska	H	30.24	-0.05	N	1-3	m	"	54	16	Carmania	H	30.27	-0.06	WNW	4-5	o
"	35	"	Carmania	H	30.03	-0.06	NW	6-7	c	"	50	13	Carmania	H	30.27	-0.06	N	4-5	c
"	54	"	Virginian	O	30.00	0.00	NW	6-7	bc	"	50	12	Ausonia	O	30.21	+0.01	NNE	4-5	o

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

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.			Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.	Oban	0.07	54	50	bc	bc	0.3	England, S.E.	Margate	0.04	63	54	*	*	2.7
	Stonehaven									0.06	61	52	*	*	3.4
	St. Andrews									0.04	64	53	d.o.b	o.b.c.d	2.0
	Carnoustie	0.07	62	45	p	p	1.7								2.0
England, N.E.	Harrogate		63	46	o.c.bc	bc.cb	2.6	England, S.E.	Hastings	0.05	61	53	op.c.o	c.o	0.5
	Scarborough									0.02	66	53	o	c.ov	0.8
	Blackpool		60	54	c	o	4.1			0.10	60	53	o	o	0.1
	Southport		60	52	o.bc	c.o	3.5			0.03	62	53	r.o	o	0.0
England, N.W.	Buxton	0.06	55	48	cr.o	c.bc	0.3	England, S.E.	Brighton	0.04	60	54	o	o	0.0
	Leamington Spa	0.06	59	52	o	o	0.0			0.01	61	55	o	o	0.1
	Douglas														0.2
	Rhyl		64	50	bc.o	o	2.3			0.04	62	55	o	o	0.1
Wales.	Colwyn Bay		61	51	c	bc.b	3.0	England, S.W.	Bournemouth	0.04	62	55	o	o	0.1
	Llandudno	0.01	60	52	c	c	2.3			0.04	62	55	o	o	0.1
	Bettws-y-Coed									0.24	61	51	o	o	0.0
	Aberystwyth		58	54	o	o.c.b	2.2				63	54	c.o.c	bc	6.5
England, E.	Lowestoft							England, S.W.	Falmouth		65	58	o.c	o	0.4
	Felixstowe	0.04	62	51	bc.c	o	4.1				62	58	cp.c	c	0.0
	Walton-on-Naze	0.01	61	54	bc.c	cg	3.8				63	58	o	o	0.0
	Southend-on-Sea	0.04	66	52	o.b.bc	gp	3.5			0.05	59	54	odg	g.bc	1.0

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		TEMPERATURE.		Rain- fall.	WEATHER.			Sun- shine for Yester- day.
	3 p.m. Yester- day.	9 a.m. To-day.	Max.	Min.		Fore- noon.	After- noon.	Night.	
Greenwich (Royal Obey.)	61	89	67	53	53	o	op	op	0.1
City (Bunhill Row)									0.1
Westminster (St. James's Pk.)	73	79	63	54	54	o.13	bc.o	or	0.1
Camden Sq. (Brit. Rainfall)	68	66	66	54	54	o.21	o	c.or	0.2
Hampstead (Reservoir)		79	62	51	50	o.22	o	or	0.2
Kew. (See front page.)									
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.									
Total.			Mean Rate.		Max. Rate.				
S. Kensington (Roof of M.O.)	65	7.8	726 Joules.		12.3 Milliwatts.		42.5 Milliwatts.		0.0

Additional Observations for Yesterday.

STATIONS.	RAIN- FALL.	TEMPERATURE.		WEATHER.			Sun- shine for Yester- day.
		In Screen.	Night Mid. on Grass.	Night.	Fore- noon.	After- noon.	
Dublin to 4 p.m.		61	52	50	c.o	o	cp
Plymouth to 9 p.m.		63	53	48	bc	c	c
Darwen	0.03	58	50	50	or	o.b	a.bcp
Manchester	0.06	59	52		op.o	o	c.o
Birmingham	0.03	61	51	48	or	c	c
Oxford to 8 p.m.		62	52	51	og.o	o.c.o	op
S. Kensington (Museum Grounds to 6 p.m.)	0.12	64	53	51	o	odpo	og.o

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

6th-7th July, 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 3.39 3.40	G.M.T. 11.58 11.58	G.M.T. 8.16 8.15
Greenwich	3.52 3.53	12.5 12.5	8.16 8.16
Wick	3.18 3.19	12.17 12.17	8.15 8.14
Valencia	4.30 4.31	12.46 12.46	9.0 9.0

NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature was low over the British Isles, the maxima being below 65° at nearly all stations. Rain fell at most stations, but no large amounts are reported. The bright sunshine records were very poor, less than an hour at many places. As far west as the 27th meridian ships experienced light to strong northerly and north-westerly winds, cloudy to dull weather, and some mist.

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.

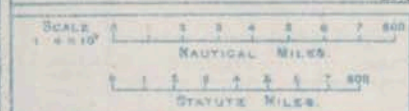
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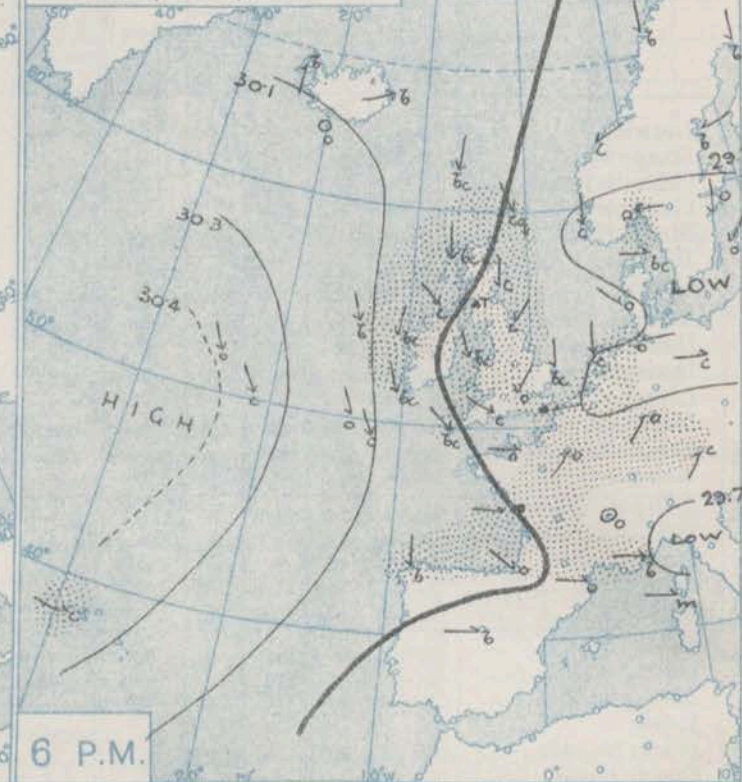
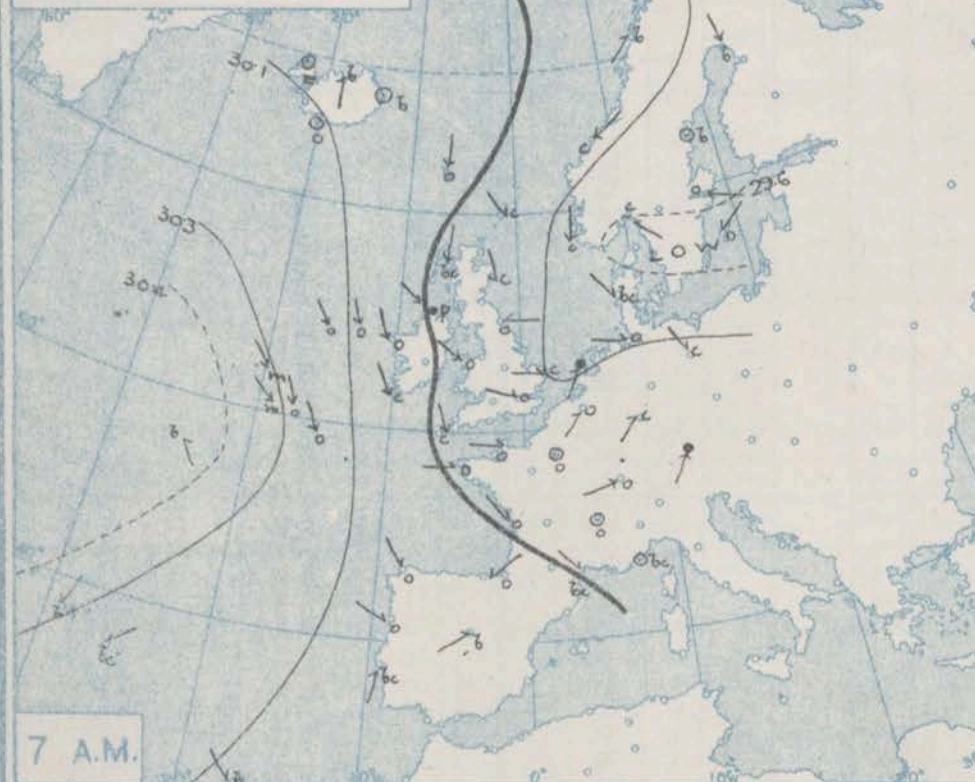
Monday,
7th July, 1913.

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.	Direc.	Force (0 to 12).			At 32° Fahr. and M.S.L. Lat. 46°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						Direc.	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		
																						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.	F.				In.	In.	F.							In.	F.	F.					
	Stornoway ...	29.89	51	NNW	5	c	29.95	+0.3	50	0	NNW	6	bcg	6	0.01	54	46	bcg	bcg	bcg			
	Castlebay (Barra Isd.)	30.00	50	N	5	bc	30.11	+0.3	51	-2	NE	4	bc	4	0.04	54	44	bcg	bcg	bcg	7.3		
	Glasgow ...	30.00	53	NW	4	bc	30.12	+0.3	51	-2	NNW	4	bc	3	0.04	57	47	c. op. c.	c. op. c.	bc	9.4		
	Malin Head...	29.85	54	ESE	1	ok	30.02	+0.6	48	-5	W	1	bc	*	0.47	61	41	op. c.	op. c.	bc	1.3		
	Blacksod Point ...	29.95	53	NW	4	cg	30.07	+0.6	52	+1	NNE	6	bc	6	0.04	56	48	c. op. c.	c. op. c.	bcg	*		
	Valencia ...	30.06	57	NNE	3	bc	30.15	+0.2	54	0	N	3	b	2	0.04	59	48	bcg	bcg	bcg	*		
		30.05	57	NNW	5	bc	30.14	+0.3	53	-3	N	3	c	3	0.01	60	50	bc	bc	bc	6.6		
	Roche's Point ...	29.98	61	N	5	bc	30.07	*	52	-2	N	4	c	3	-	63	51	c	c	bc	*		
	Birr Castle ...	29.95	60	NW	5	c	30.06	*	50	-2	N	4	b	*	0.01	62	45	c	c	c	5.4		
	Donaghadee ...	29.85	58	NNW	3	bc	30.00	+0.3	48	-4	NE	3	cg	3	0.07	58	48	bcg	bcg	bcg	*		
	Liverpool Obsy. ...	29.83	56	NW	2	o	29.91	+0.7	46	-6	NE	3	r	2	0.56	60	45	bcg	bcg	bcg	5.9		
	Holyhead ...	29.86	57	NNW	4	bm	29.92	+0.4	51	-2	ENE	6	bm	5	-	60	51	c. op. c.	c. op. c.	bcg	6.2		
	Pembroke (St. Ann's Hd.)	29.87	55	NNW	3	c	29.92	+0.2	52	0	N	4	c	3	0.04	60	50	c	c	c	7.7		
	Newquay ...	29.86	58	NW	6	b	29.94	+0.4	53	-2	N	7	bc	5	0.05	58	51	bcg	bcg	bcg	7.2		
ICELAND, FAEROE, &c.	Scilly (St. Mary's) ...	29.92	59	NW	4	bc	29.97	+0.2	54	-1	NNW	4	cg	4	0.01	61	52	cg	bc	bc	4.6		
	Jersey (St. Aubin) ...	29.83	60	W	3	o	29.89	*	57	0	NNW	3	cm	3	-	62	55	c. om	c	bcg	2.4		
	Portland Bill ...	29.77	58	NW	4	c	29.84	+0.1	55	-1	NW	4	c	3	-	61	53	c	c	c	*		
	Dungeness ...	29.73	55	ESE	4	r	29.80	+0.3	55	0	N	3	bc	2	0.15	61	48	c	or	or	*		
	Dover ...	29.72	55	NNE	2	o	29.81	*	57	+1	N	3	bc	2	0.15	63	49	c	op. c.	bc	1.3		
	Wick ...	29.90	51	NNW	3	c	30.01	+0.3	50	-2	N	5	cg	5	0.08	53	44	cg	cg	cg	*		
	Nairn ...	29.91	54	NE	2	c	30.04	*	49	-4	NNE	3	c	3	0.25	57	45	cg	cg	bc	1.6		
	Aberdeen ...	29.87	53	N	3	c	29.97	+0.2	51	-5	NNW	4	c	2	0.35	56	44	cg	op. c.	bcg	1.6		
	Leith ...	29.84	56	NW	2	o	29.97	+0.4	50	-3	N	2	bc	*	0.26	60	46	c	op	or	*		
	North Shields ...	29.83	58	NE	2	c	29.92	+0.2	49	-4	N	3	op	3	0.16	60	47	op	c	r	5.3		
	Spurn Head ...	29.80	55	NNE	2	bc	29.84	+0.4	54	0	NNE	4	bc	3	0.01	61	49	bcg	bcg	bcg	7.9		
	Yarmouth ...	29.76	57	N	3	bc	29.81	+0.0	52	0	N	2	c	2	-	61	48	bc	bc	bc	10.5		
	Clacton-on-Sea ...	29.74	57	NE	2	c	29.82	+0.3	51	-5	NNW	2	bc	1	-	60	46	c. op.	op. c.	c. bc	2.5		
	Nottingham ...	29.78	56	NNW	2	o	29.85	*	51	0	NE	3	r	*	0.44	59	48	o. q.	ctr	op. c.	0.1		
	Bath ...	29.78	58	NNE	3	o	29.87	*	53	0	N	1	o	*	0.07	64	52	-	-	mn. op.	2.2		
London (Kew Obsy.) ...	29.70	57	NE	1	om	29.85	+0.2	53	-1	NW	1	bcg	*	0.06	61	54	o	op. om	bcg	1.1			
SCANDINAVIA.	Spitzbergen ...	29.72	39	-	0	c	29.78	+0.1	32	-7	-	0	c	*	-	39	32	GALES. Duration and Extreme Force on British Coasts.					
	Isafjord ...	29.97	61	S	3	b	29.84	+0.4	57	+14	SW	3	o	*	-	*	*						
	Reykjavik ...	30.09	55	E	3	o	29.93	+0.4	54	+4	-	0	c	*	-	*	*						
	Vestmanna ...	30.10	51	-	0	o	29.99	+0.1	49	+2	-	0	c	*	-	*	*	GALES. Duration and Extreme Force on British Coasts.					
	Seydisfjord ...	29.95	66	WSW	4	b	29.95	+0.2	43	-5	-	0	c	*	-	*	*						
	Thorshavn ...	30.05	58	NNE	4	bc	30.10	+0.2	52	+6	N	2	b	*	-	*	*						
	Haparanda ...	29.79	58	N	2	b	29.88	+0.4	56	+2	NE	2	c	*	-	68	43	GALES. Duration and Extreme Force on British Coasts.					
	Hernösand ...	29.78	54	E	2	b	29.86	+0.2	59	+1	N	4	b	*	-	61	43						
	Stockholm ...	29.69	54	N	2	o	29.71	+0.3	54	-1	NNW	2	o	*	-	61	48						
	Wisby ...	29.64	52	NE	2	o	29.71	+0.1	54	+1	-	0	c	*	-	57	48	GALES. Duration and Extreme Force on British Coasts.					
	Karlstad ...	29.67	61	ESE	2	c	29.76	+0.0	55	-2	ENE	2	c	*	-	66	50						
	Færder (X'ania Fjord)	29.62	58	E	4	c	29.73	+0.5	56	-2	E	5	c	3	0.51	59	55						
	Bodö ...	29.83	46	N	2	b	29.89	+0.3	50	+3	NW	1	b	1	-	50	41	GALES. Duration and Extreme Force on British Coasts.					
	Christiansund ...	29.78	51	ENE	3	c	29.84	+0.2	50	+2	NE	3	c	2	-	55	48						
	Skudesnaes ...	29.65	52	N	6	c	29.71	+0.2	57	+6	NE	2	o	2	-	57	48						
The Scaw (Skagen) ...	29.62	56	W	1	bc	29.70	+0.4	57	-3	SSW	1	c	0	0.04	70	52	GALES. Duration and Extreme Force on British Coasts.						
Blaavands Huk ...	29.70	54	NW	2	o	29.71	+0.1	57	+1	N	2	b	2	-	59	50							
GERMANY, &c.	Cuxhaven ...	29.70	53	E	2	o	29.69	+0.0	54	-2	NE	2	o	0	0.08	59	55	GALES. Duration and Extreme Force on British Coasts.					
	The Helder ...	29.70	54	NNE	4	c	29.76	+0.2	55	+1	N	4	c	3	0.04	61	52						
	Brussels ...	29.70	55	NNW	3	o	29.76	+0.3	53	-2	NNE	1	o	*	0.16	61	48						
	Berlin ...	29.64	62	W	1	c	29.71	+0.0	62	+6	S	2	b	*	-	66	50	GALES. Duration and Extreme Force on British Coasts.					
	Frankfurt ...	29.74	57	SW	3	o	29.72	+0.3	58	+2	SW	1	c	*	0.06	66	55						
	Munich ...	29.74	59	SW	2	c	29.77	+0.1	57	+1	SW	4	c	*	0.12	64	52						
	FRANCE.	C. Gris Nez ...	29.75	53	N	3	r	29.80	+0.3	57	0	NNE	4	bc	3	0.12	64	52	GALES. Duration and Extreme Force on British Coasts.				
		La Hève ...	29.73	55	W	5	o	29.78	+0.3	53	-2	NNE	3	f	3	0.24	59	48					
		Brest (St. Mathieu) ...	29.93	58	NNW	3	bc	30.00	+0.2	57	0	NW	3	c	2	-	64	55					
		Lorient (Bec Melon) ...	29.81	60	NNW	4	o	29.89	+0.3	56	-1	NW	4	b	3	-	70	55	GALES. Duration and Extreme Force on British Coasts.				
		Rochefort (Ile d'Aix) ...	29.87	58	W	3	r	29.93	+0.3	58	-1	NW	4	c	*	0.44	66	57					
		Biarritz ...	29.99	64	NW	3	o	29.96	+0.1	59	-5	ENE	2	c	2	0.12	73	57					
		Paris ...	29.76	58	W	1	o	29.79	+0.3	55	-4	W	1	o	*	0.20	66	50	GALES. Duration and Extreme Force on British Coasts.				
		Belfort ...	29.82	57	W	4	o	29.81	*	54	-3	WSW	5	o	*	0.28	64	51					
		Lyons ...	29.83	66	W	0	o	29.88	*	57	-1	-	0	o	*	-	73	55					
SPAIN, PORTUGAL, &c.		Nice ...	29.70	82	W	5	b	29.77	+0.1	66	0	SW	2	o	3	0.08	73	57	GALES. Duration and Extreme Force on British Coasts.				
		Perpignan ...	29.88	68	W	2	o	29.90	+0.1	63	-6	W	2	o	2	0.08	73	57					
Sanguinaire ...		?	74	W	3	m	?	?	73	?	SE	2	m	2	-	79	64						
Corunna (8 a.m.) ...		30.04	58	N	3	b	30.10	+0.4	58	-1	N	3	o	3	0.04	63	54	GALES. Duration and Extreme Force on British Coasts.					
Lisbon (9 a.m.) ...																							
Gibraltar ...		30.01	67	NW	4	bc	30.01	*	66		NW	4	c	3	-	80	65						
Azores (Horta 8 a.m.)	30.25	65	W	1	c	30.36	+0.0	65	+1	N	1	b	0	0.03	73	63							
Madeira (Funchal) ...																							

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



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.

The barometer is rising generally, with the return of the high pressure system

from the Atlantic, so that improving weather is probable throughout the British Isles

FORECASTS FOR THE 24 HOURS NOON MONDAY

TO NOON TUESDAY.

0 {
1
2 {
3
4 {
5

Wind between N.W. and N.E., fresh at times in places; some local showers, but generally fair to fine, very cool.

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 {
7 {
8 {
9 {
10 {

Same as Nos. 0 to 5.

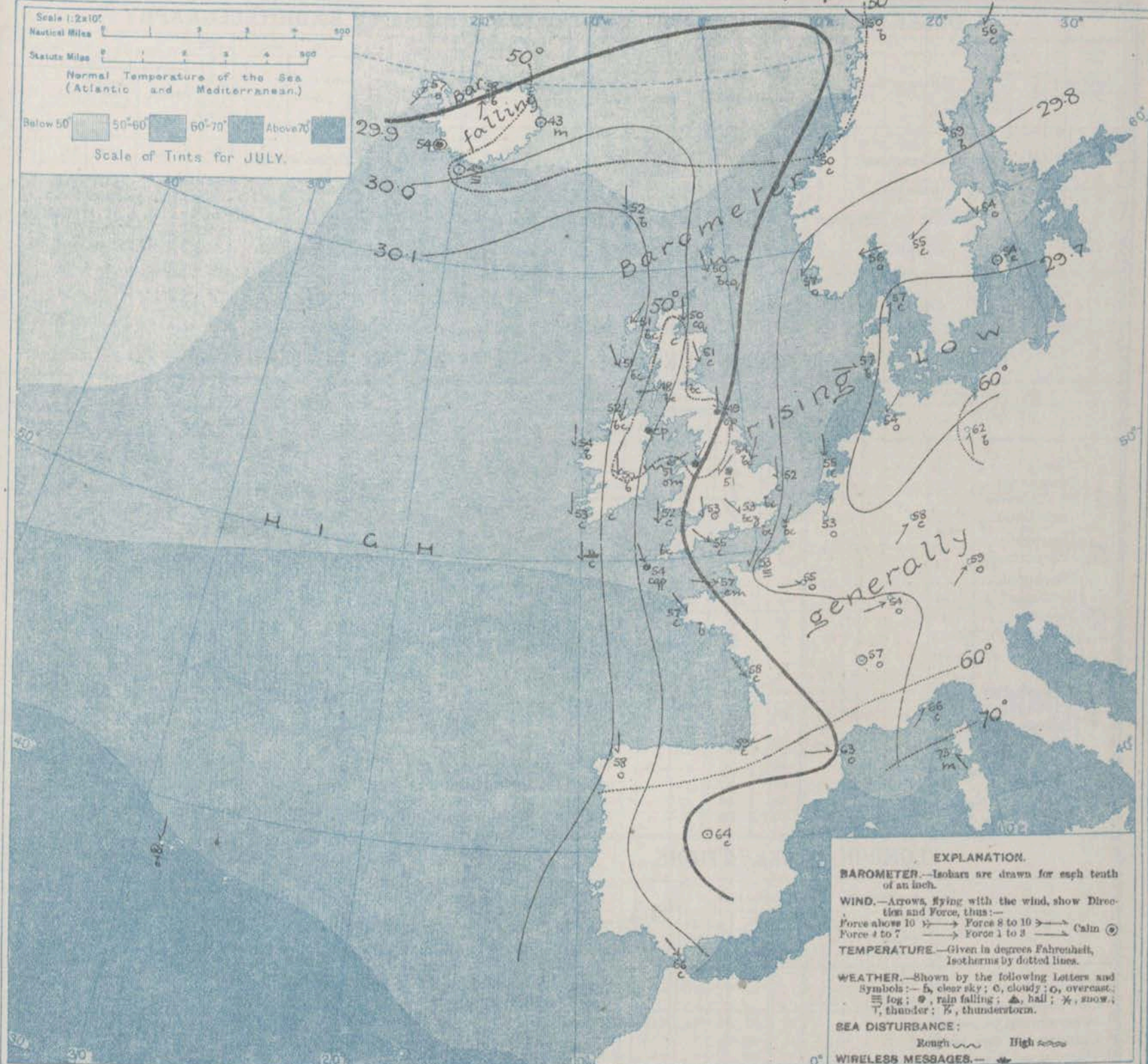
11 WESTERN CHANNEL AND BAY.

N.W. and N.E. breezes, fresh at times; sea slight or moderate; local showers and mist, generally fair or fine; very cool.

THE FURTHER OUTLOOK. (All Districts).

Further improvement.

SYNOPTIC CHART FOR 7 A.M. MONDAY, 7TH JULY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

An anticyclonic system occupies the Atlantic region, the barometer being above 30.3 in. at the Azores, and above 30.1 in. on our western Coasts. In a shallow depression on the Baltic pressure is at about 29.7 in. The gradient is moderate to very slight.

Southerly to South-Westerly breezes prevail over Germany, but over our area generally the wind is from between North-West and North-East, mostly moderate to very light, but fresh or strong locally on our western and northern Coasts.

Temperature is rather low for the season. at the home stations it ranges from 46° at Liverpool to 54° at Dover and Jersey; on the Continent from 50° at Christensund and Bodo, and 53° at Haver to 64° at Madrid, and 66° at Nice and Gibraltar; and in Iceland from 43° to 59°. Showers are falling in the north of England, at Donaghadee and Scilly, and also in the south-west of Ireland, but as a rule the weather is fair or fine.

DAILY WEATHER REPORT.

Monday, 7th July 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.	
7th 7 a.m.	50	9	Oscarina	H	30.03	-0.06	N	4-5	c	6th 7 a.m.	48	25	Mauretania	H	30.44	0.00	SE	1-3	b.
6th 6 p.m.	51	23	Auronia	O	30.39	0.00	NW	4-5	o	"	51	19	Auronia	O	30.34	+0.01	NW	4-5	m.
"	50	21	Mount Royal	O	30.39	+0.02	NW	4-5	b.	"	50	18	Mount Royal	O	30.28	-0.01	NW	4-5	m.
"	55	14	Megantic	O	30.07	+0.06	NNW	4-5	b.	"	50	17	Oscarina	H	30.28	-0.01	NNW	4-5	o
"	50	13	Oscarina	H	30.15	-0.02	NNW	1-3	o	"	54	16	Virginian	O	30.15	+0.01	NW	4-5	o
"	49	11	Vaderland	H	30.11	-0.03	NW	6-7	o	"	49	18	Vaderland	H	30.22	-0.06	NW	4-5	o
1 p.m.	49	12	Vaderland	H	30.15	-0.03	NNW	4-5	c	"	55	13	Postman	H	?	-0.02	NNW	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.	F.	F.			Hr.	England, S.E.		In.	F.	F.			Hr.
{ Oban ...		...	...	...	...	...	...	{ Margate ...		...	...	...	...	...	...
{ Stonehaven ...		...	...	...	...	...	...	{ Ramsgate ...		...	...	...	...	...	...
{ St. Andrews ...		...	...	...	...	...	...	{ Folkestone ...		...	...	...	...	...	...
{ Carnoustie ...		...	...	...	...	...	...	{ Littlestone ...		...	...	...	...	...	...
{ Harrogate ...		...	...	...	...	...	...	{ Hastings ...		...	...	...	...	...	...
{ Scarborough ...		...	...	...	...	...	...	{ Bexhill-on-Sea ...		...	...	...	...	...	...
{ Blackpool ...		...	...	...	...	...	...	{ Eastbourne ...		...	...	...	...	...	...
{ Southport ...		...	...	...	...	...	...	{ Seaford ...		...	...	...	...	...	...
{ Buxton ...		...	...	...	...	...	...	{ Brighton ...		...	...	...	...	...	...
{ Leamington Spa ...		...	...	...	...	...	...	{ Worthing ...		...	...	...	...	...	...
{ Douglas ...		...	...	...	...	...	...	{ Littlehampton ...		...	...	...	...	...	...
{ Rhyl ...		...	...	...	...	...	...	{ Southsea ...		...	...	...	...	...	...
{ Colwyn Bay ...		...	...	...	...	...	...	{ Bournemouth ...		...	...	...	...	...	...
{ Llandudno ...		...	...	...	...	...	...	{ Ryde ...		...	...	...	...	...	...
{ Bettws-y-Coed ...		...	...	...	...	...	...	{ Falmouth ...		...	...	...	...	...	...
{ Aberystwyth ...		...	...	...	...	...	...	{ Weymouth ...		...	...	...	...	...	...
{ Lowestoft ...		...	...	...	...	...	...	{ Teignmouth ...		...	...	...	...	...	...
{ Felixstowe ...		...	...	...	...	...	...	{ Torquay ...		...	...	...	...	...	...
{ Walton-on-Naze ...		...	...	...	...	...	...	{ Paignton ...		...	...	...	...	...	...
{ Southend-on-Sea ...		...	...	...	...	...	...	{ Ilfracombe ...		...	...	...	...	...	...
		...	...	...	...	...	...	{ Weston-super-Mare ...		...	...	...	...	...	...

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

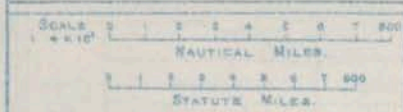
STATIONS.	HUMIDITY.		TEMPERATURE.			Rain- fall.	WEATHER.			Sun- shine for Yester- day.	STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.	
	3 p.m. Yester- day.	9 a.m. To- day.	In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.				In Screen.	Night Min. on Grass.	Night.	Fore- noon.	After- noon.			
			Max.	Min.		Max.				Min.										
	24 HOURS ENDED 0 4 A.M. TO-DAY.																			
Greenwich (Royal Obsy.) ...	84	72	61	49	45	0.22	o	or	br.be.	0.0	Dublin to 4 p.m.	0.03	61	51	49	c	cp	c.b.	0.0	
City (Bunhill Row) ...	"	"	"	"	"	"	"	"	"	0.3	Plymouth to 9 p.m.	0.04	61	52	46	op	op	bcy	2.0	
Westminster (St. James's Pk.)	93	72	62	51	49	0.17	or	"	br.be.	0.2	Darwen "	"	"	"	"	"	"	"	"	
Camden Sq. (Brit. Rainfall)	"	64	64	49	48	0.47	c	or	c.or.e.	1.2	Manchester "	0.46	61	51	"	op	c.c.r	0.0	0.0	
Hampstead (Reservoir) ...	"	72	61	48	44	0.61	or.c	or.be.	b.	0.9	Birmingham "	0.18	58	49	43	c	or	o	0.0	
Kew. (See front page.)	"	"	VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.										"	61	48	43	s.c.d	or	or.or	"
			Total.		Mean Rate.		Max. Rate.													
S. Kensington (Roof of M.O.)	-	76	69.2		Joules.		11.7 Milliwatts.		52.5 Milliwatts.		0.5	S. Kensington (Museum Grounds to 6 p.m.)	0.13	63	53	52	op	c	odp.o.	

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.		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 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	In.	F.				In.	In.	F.						In.	F.	F.				Hours			
	Stornoway	30.04	51	NNW	6	c	30.06	0.0	51	+1	N	3	b.	4	-	52	45	cq	cq	bc	*			
	Castlebay (Barra Isd.)	30.16	55	N	4	by	30.12	-0.2	52	+1	SE	1	b.	1	-	57	40	by	by	b.	15.1			
	Glasgow	30.17	55	NNW	3	b	30.13	0.0	52	+1	-	0	bc	1	-	57	44	bc	bc	b.	14.3			
	Malin Head	30.07	57	N	1	c	30.12	+0.1	49	+1	NNW	2	b.	*	-	60	42	bc	c	bc	3.2			
	Blackrod Point ...	30.15	54	N	4	b	30.15	0.0	53	+1	N	1	b.	0	-	55	49	bc	bc	bc	*			
	Valencia	30.20	57	NNE	1	bc	30.18	-0.2	51	-3	W	1	r	1	0.05	60	47	bc	bc	bc	*			
		30.20	57	NNW	4	b	30.21	0.0	50	-3	-	0	o	2	-	60	44	bc	bc	bc	11.1			
	Roche's Point	30.14	61	N	3	c	30.20	*	50	-2	NNW	2	o	2	-	63	45	av	c	o.b.	*			
	Birr Castle	30.12	59	N	3	c	30.18	*	45	-3	N	2	bc	*	-	62	38	c	c	bc	10.1			
ICELAND, FAEROE, &c.	Donaghadee	30.09	56	NNW	3	b	30.12	+0.1	52	+4	NNW	2	b.	2	-	58	48	b	b	bc	*			
	Liverpool Obsy. ...	30.04	56	NNW	4	bc	30.08	0.0	52	+7	NNE	1	b.	1	0.21	58	46	op	bc	o.b.	4.8			
	Holyhead	30.07	56	N	4	b	30.11	0.0	52	+1	NW	3	bc	2	-	59	51	bc	bc	bc	10.2			
	Pembroke (St. Ann's Hd.)	30.06	54	NNE	4	bc	30.13	+0.1	54	+2	N	3	b.	1	trace	55	47	c	c	bc	7.0			
	Newquay	30.00	55	N	7	c	30.14	+0.3	56	+3	N	4	b.	4	0.09	56	51	bc	bc	bc	5.6			
	Scilly (St. Mary's) ...	30.06	56	N	5	bc	30.16	+0.3	56	+2	N	1	bc	3	0.01	61	51	cm	bc	bc	10.6			
	Jersey (St. Aubin) ...	29.94	62	WNW	3	b	30.09	*	58	+1	NNE	2	og	2	trace	62	52	c	c	bc	5.3			
	Portland Bill	29.95	55	-	0	c	30.12	+0.3	65	0	WNW	2	c	2	-	60	54	cp	cp	c	*			
	Dungeness	29.92	55	NNE	1	clp	30.02	+0.1	53	-2	NW	4	bc	3	0.17	64	42	bc	c	bc	*			
	Dover	29.94	55	NNE	3	c	30.03	*	53	-4	NW	4	b.	2	0.03	63	44	bc	bc	bc	10.2			
SCANDINAVIA.	Wick	30.07	52	NNW	3	c	30.08	0.0	50	0	N	3	bc	4	trace	54	48	cp	cp	bc	*			
	Nairn	30.10	55	NNE	3	bc	30.12	*	49	0	NW	1	bc	1	-	58	40	p. bc	bc	bc	10.0			
	Aberdeen	30.05	53	N	4	c	30.07	+0.1	50	-1	NNW	3	o	3	0.02	58	46	cp	bc	bc	8.9			
	Leith	30.05	55	NE	1	c	30.08	+0.1	51	-1	N	2	c	*	0.02	59	48	bc	cp	bc	*			
	North Shields	30.03	53	N	3	c	30.04	0.0	50	+1	NNW	3	o	4	0.02	57	46	cp	cp	o	8.6			
	Spurn Head	29.96	55	N	6	b.	29.98	0.0	51	-3	NW	5	cp	5	"	54	48	bc	bc	cp	12.8			
	Yarmouth	29.93	57	NNW	3	bc	29.98	-0.1	50	-2	W	2	r	2	-	61	46	bc	bc	bc	9.1			
	Clacton-on-Sea	29.92	58	E	1	c	30.01	0.0	50	-1	NW	3	c	2	0.10	61	42	bc	cp	bc	6.2			
	Nottingham	29.93	58	N	4	c	30.05	*	51	0	WNW	2	bm	*	0.03	60	46	ro. c	cp	c	2.2			
	Bath	29.99	57	N	2	o	30.10	*	53	0	WNW	2	o	*	0.03	60	48	-	-	-	0.5			
GERMANY, &c.	London (Kew Obsy.)...	29.96	60	NE	3	c	30.07	+0.1	50	-3	NW	2	cm	*	0.02	61	46	bc	cp	bc	6.6			
	Spitzbergen	29.86	36	SE	2	o	29.91	+0.3	37	+5	SE	6	o	*	-	39	32	-	-	-				
	Isafjord	29.64	61	S	8	o	29.55	+0.3	53	-4	-	0	bc	*	-	*	*	-	-	-				
	Reykjavik	29.74	56	E	3	o	29.58	0.0	50	-4	-	0	T	*	-	*	*	-	-	-				
	Vestmanna	29.83	49	ESE	1	T	29.63	-0.1	46	-3	SW	1	o	0	x	*	*	-	-	-				
	Seydisfjord	29.82	60	NE	2	b	29.55	-0.2	63	+20	NE	2	T	*	-	*	*	-	-	-				
	Thorshavn	30.12	57	WSW	3	b	30.02	-0.2	51	-4	SSW	3	o	*	-	*	*	-	-	-				
	Haparanda	30.01	59	-	0	o	30.10	+0.2	57	+1	E	2	c	*	-	66	30	-	-	-				
	Hernösand	29.93	56	N	2	c	29.99	+0.4	55	-4	N	4	c	*	-	61	54	-	-	-				
	Stockholm	29.84	58	SE	2	bc	29.92	+0.4	55	+1	ENE	2	o	*	0.04	64	52	-	-	-				
FRANCE.	Wisby	29.85	56	-	0	b.	29.88	+0.1	58	+4	WNW	2	c	*	-	61	48	-	-	-				
	Karlstad	29.91	58	E	2	o	29.85	0.0	59	+4	-	0	c	*	-	63	54	-	-	-				
	Færder (X'lands Fjord)	29.82	60	NNE	1	c	29.89	+0.2	58	+2	ENE	4	T	2	-	61	55	-	-	-				
	Bodö	30.02	52	N	4	b.	30.04	+0.2	51	+1	ENE	1	b	1	-	52	45	-	-	-				
	Christiansund	29.95	52	NE	1	c	30.00	+0.1	51	+1	-	0	b.	2	-	55	48	-	-	-				
	Skudesnaes	29.84	55	NW	2	c	29.89	+0.2	60	+3	E	2	c	2	-	61	54	-	-	-				
	The Scaw (Skagen)...	29.80	62	SE	1	o	29.83	+0.1	60	+3	ENE	2	T	0	0.12	68	54	-	-	-				
	Blaavands Huk	29.79	54	WSW	1	c	29.80	+0.1	55	-2	-	0	r	0	trace	61	52	-	-	-				
	Cuxhaven	29.78	55	N	3	c	29.82	+0.1	55	+1	WSW	3	b.	0	-	57	48	-	-	-				
	The Helder																							
SPAIN, PORTUGAL, &c.	Brussels	29.91	54	ENE	2	bc	29.98	+0.1	51	-2	SW	1	T	*	0.12	62	41	-	-	-				
	Berlin	29.71	64	SW	3	o	29.88	+0.4	56	-6	NW	1	bc	*	trace	68	54	-	-	-				
	Frankfurt	29.85	55	SW	1	c	29.98	+0.2	54	-4	N	1	c	*	0.24	66	48	-	-	-				
	Munich	29.87	57	SSE	4	c	29.91	+0.2	55	-2	NW	2	o	*	0.16	64	52	-	-	-				
	C. Gris Nez	29.93	57	NE	4	bc	30.03	+0.1	54	-3	N	4	b.	3	-	64	50	-	-	-				
	La Hève	29.93	55	N	3	bc	30.07	*	54	+1	NE	2	o	2	0.04	61	48	-	-	-				
	Brest (St. Mathieu) ...	30.02	54	NW	4	o	30.16	+0.4	56	-1	NNE	2	bc	2	0.05	63	52	-	-	-				
	Lorient (Rec Melen)...																							
	Rochefort (Ile d' Aix)	29.95	61	NW	4	bc	30.06	+0.6	55	-3	NNW	4	o	*	0.08	64	52	-	-	-				
	Biarritz	30.02	61	NNW	4	c	30.09	+0.4	62	+3	WNW	4	c	3	0.12	75	54	-	-	-				
PORTUGAL, &c.	Paris	29.89	59	N	2	o	30.02	+0.4	55	0	N	3	b.	*	trace	64	51	-	-	-				
	Belfort	29.91	57	W	4	c	29.95	*	53	-1	W	2	o	*	0.04	62	46	-	-	-				
	Lyons	29.88	64	-	0	bc	29.97	*	55	-2	NNW	1	o	*	-	70	52	-	-	-				
	Nice	29.71	66	WSW	4	b.	29.76	+0.2	66	0	WSW	2	b.	3	-	81	59	-	-	-				
	Perpignan	29.93	62	NW	3	o	30.03	+0.4	64	+1	NW	3	b.	*	0.12	74	67	-	-	-				
	Sanguinaire	?	68	E	3	m	?	*	68	-5	W	3	m	3	-	77	63	-	-	-				
	Corunna (8 a.m.)																							
	Lisbon (8 a.m.)	30.09	61	NNW	4	b.	30.08	+0.2	62	-1	NNW	5	b.	2	-	68	57	-	-	-				
	Gibraltar	30.03	65	S	2	bc	30.04	*	65	-1	W	4	bc	4	0.01	90	62	-	-	-				
	Azores (Horta 8 a.m.)	30.40	71	S	3	b.	30.39	+0.1	69	+1	S	4	bc	2	-	73	68	-	-	-				
Madeira (Funchal) ...	30.19	68	NE	3	b	30.20	+0.2	68	-2	NE	3	bc	2	-	72	58	-	-	-					

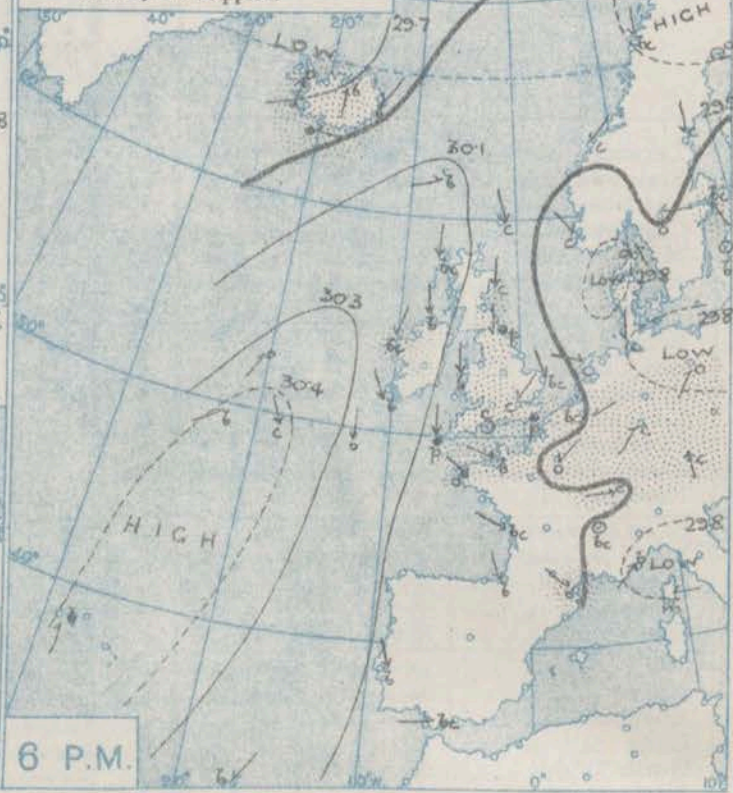
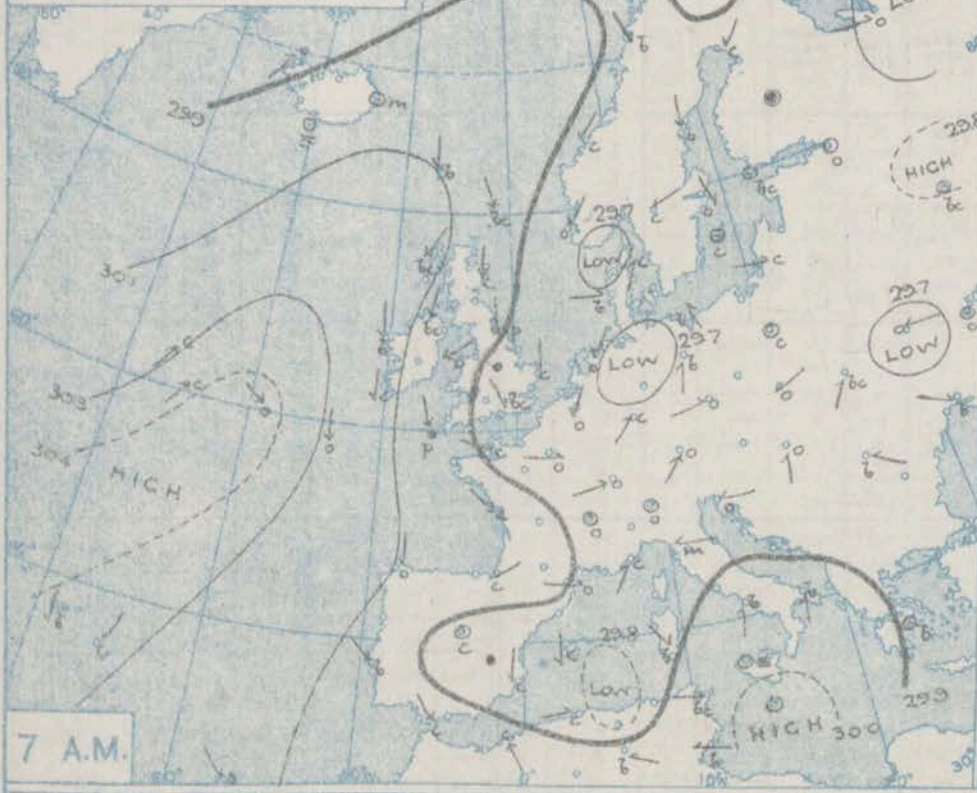
† Received too late for insertion in Charts.

† Received too late for insertion in Charts.

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



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 disturbance over Iceland appears to be travelling away to the Arctic Sea, so

that no important change in the weather conditions over this country is anticipated.

FORECASTS FOR THE 24 HOURS NOON TUESDAY

TO NOON WEDNESDAY

- 0
- 1 light to moderate breezes,
- 2 mainly between 8th and 9th;
generally fair or fine,
- 3 occasionally dull, with local
- 4 passing rain; very cool.
- 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
- 7
- 8
- 9
- 10

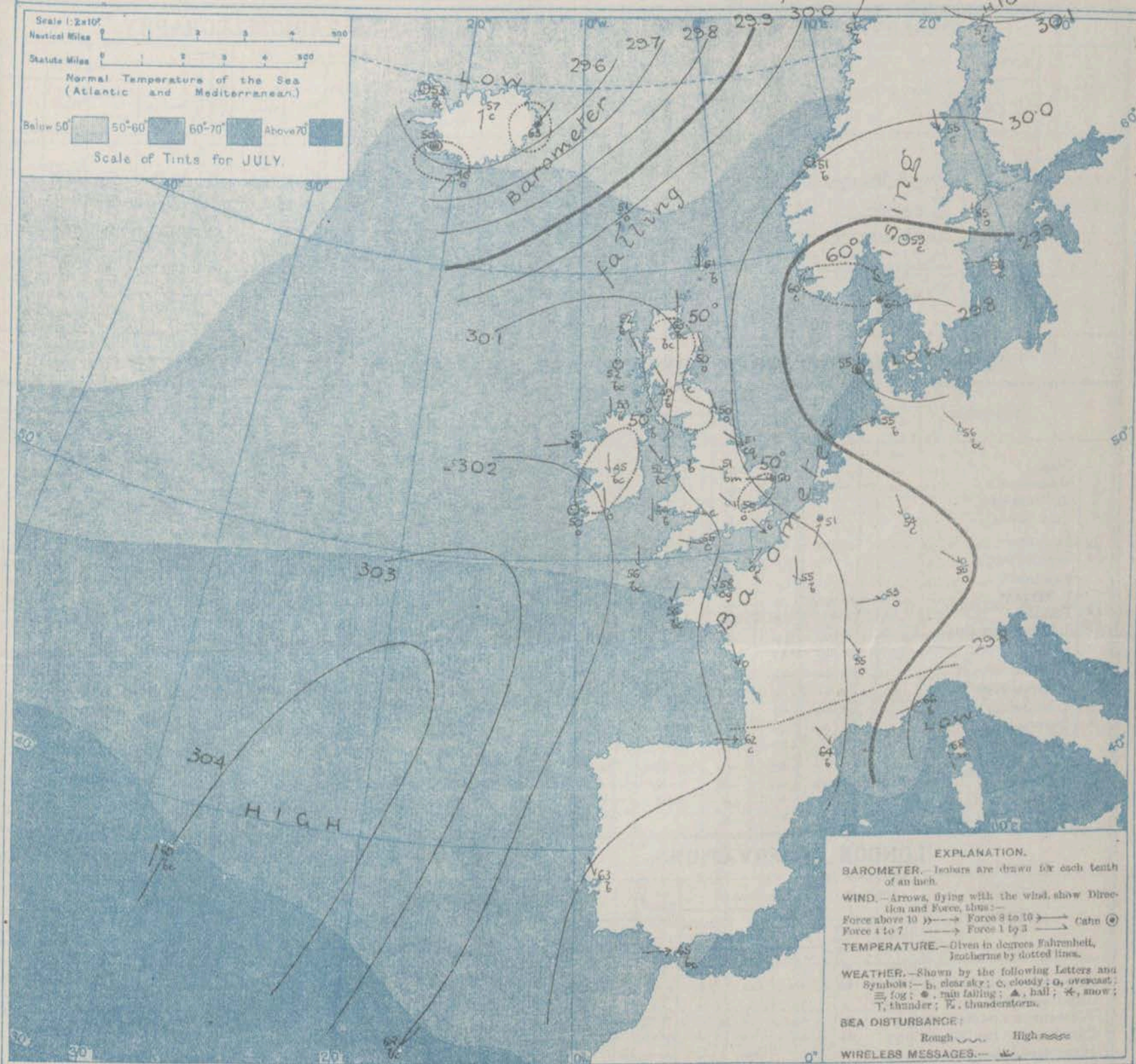
Same as Nos. 0 to 5.

11 WESTERN CHANNEL AND BAY.

light to moderate S.W. breezes, sea smooth to moderate, generally fair or fine, local mist; very cool.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. TUESDAY, 8TH JULY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The region of highest pressure remains on the Atlantic, the barometer being at 30.4 in over the Azores. Another anticyclone is developing over Lapland, where pressure has increased to 30.1 in. In a depression over Ireland the barometer is below 29.6 in., and in another over the Baltic region it is at about 29.4 in. There is a considerable gradient about Ireland, elsewhere it is very slight.

Light breezes are reported in nearly all regions, mainly S.W. over Western Europe, E. over

Scandinavia. Over the British Isles temperature is 50° or less at a number of stations, 45° in central Ireland. On the continent the readings range from 51° at Bodø and Christiansund to 66° at Hice; and in Iceland from 46° to 63°. At home and abroad the weather varies from cloudless to overcast and dull, rain falling at a few stations. The sea is moderate to smooth.

DAILY WEATHER REPORT.

Tuesday, 8th July 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	12	Royal George	H	30.21	+0.01	W	1-3	c	7th 7 a.m.	51	26	Royal George	H	30.28	-	SW	4-5	c
7th 6 p.m.	49	21	Cyrena	O	30.53	-0.02	WSW	1-3	b	"	50	25	Mount Royal	O	30.34	-0.05	SW	4-5	c
"	50	20	Royal George	H	30.30	+0.02	SSW	1-3	b	"	50	17	Cyrena	O	30.46	+0.01	NW	4-5	b
"	49	18	Minnehaha	O	30.42	+0.12	NW	4-5	c	"	49	13	Minnehaha	O	30.24	+0.10	N	4-5	b
"	49	13	Yinland	O	30.28	0.00	N	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	...	61	45	bc	bc	10.5	England, S.E.	Margate	...	64	53	b, bc	b	9.8
	Stonehaven	0.02	59	42	cb	cg	9.6		Ramsgate	...	60	51	"	"	10.5
	St. Andrews	...	59	40	b	b	6.7		Folkestone	0.03	64	50	o, bc	bc	8.6
	Carnoustie	...	61	42	"	"	9.3		Littlestone	...	"	"	"	"	7.3
England, N.E.	Harrogate	0.23	57	45	o, bc	bc	4.3	England, S.W.	Hastings	0.39	63	50	o, bc	bc, bc	5.4
	Scarborough	"	60	51	bc	bc	11.1		Bexhill-on-Sea	?	64	50	bc, c	bc, c	6.9
England, N.W.	Blackpool	0.41	60	47	or	c	7.7	England, S.W.	Eastbourne	0.20	63	50	o, bc	og, bc	4.5
	Southport	0.53	59	45	o, bc	bc	6.0		Seaford	0.23	65	50	bc	o, or	4.2
	Buxton	0.83	55	44	cr	bc	1.1		Brighton	0.25	61	51	c, o	op, o	3.7
	Leamington Spa	0.62	60	49	o	o	0.8		Worthing	0.24	59	51	cr	cr	1.2
Wales.	Douglas	0.45	55	47	bc	bc, g	11.5	England, S.W.	Littlehampton	0.28	61	51	cr	cr	0.6
	Rhyl	0.31	58	47	bc	b	7.1		Southsea	0.67	57	50	or, o	o	0.0
	Colwyn Bay	0.30	59	48	bc, b	b	7.0		Bournemouth	...	64	50	o, c	c, o	1.2
	Llandudno	0.30	61	48	or	bc	7.7		Ryde	0.17	58	51	c	c	1.1
England, E.	Bettws-y-Coed	...	58	47	c	b	3.1	England, S.W.	Exmouth	0.31	62	51	bc	b	5.9
	Aberystwyth	...	58	50	o, c, o	c, bc	2.0		Falmouth	0.05	59	52	bc, bc	bc, c, o	8.4
	Lowestoft	0.07	57	46	bc, bc	bc	7.5		Weymouth	0.07	60	50	bc	bc	0.4
	Felixstowe	0.28	60	44	bc, bc	bc, bc	5.5		Teignmouth	0.21	63	52	b	cr, c	6.2
England, E.	Walton-on-Naze	0.15	60	45	bc, c	bc	4.6	England, S.W.	Torquay	0.16	62	51	bc	bc, c	5.0
	Southend-on-Sea	0.45	63	48	b	bc, bc	6.0		Paignton	0.14	63	52	bc	bc, or	4.8
									Ilfracombe	0.13	59	52	c, bc, o	o	4.5
									Weston-super-Mare	0.17	59	52	cr, bc	c, bc, c	0.8

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.		Max.						Min.	
	24 HOURS ENDED 9 A.M. TO-DAY.																		
	%	%	F.	F.	F.	In.				Hr.		In.	F.	F.	F.				Hr.
Greenwich (Royal Obs.) ...	83	65	66	46	34	0.16	c.b.c.	r.c.b.c.	b.c.	7.2	Dublin to 4 p.m.	0.01	60	46	44	b.c.	c.b.	b.	7.2
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	5.7	Plymouth to 9 p.m.	*	64	50	44	o	c.b.v	c.b.v	8.7
Westminster (St. James's Pk.)	71	66	64	46	42	0.02	b.c.or	r	u.b.	6.7	Darwen	0.09	56	44	41	or	op.b.u	op.b.u	2.2
Camden Sq. (Brit. Rainfall)	77	62	67	44	43	0.03	b.c	or.c	c	7.0	Manchester	"	"	"	"	"	"	"	"
Hampstead (Reservoir) ...	*	70	61	44	33	0.14	b.c	c	c		Birmingham	0.53	55	47	44	r	op.v	o	0.0
Kew. (See front page.)											Oxford to 8 p.m.	"	61	50	50	o	od.o	op.	"
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETER DURING YESTERDAY.																			
Total.			Mean Rate.			Max. Rate.													
S. Kensington (Roof of M.O.)	81	71	1621	Joules.	27.5	Milliwatts.	86	Milliwatts.	5.0.	S. Kensington (Museum Grounds to 6 p.m.)									

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

8th & 9th July 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 3.41 3.42	G.M.T. 11.58 11.58	G.M.T. 8.13 8.14
Greenwich	3.54 3.55	12.5 12.5	8.16 8.15
Wick	3.20 3.21	12.17 12.17	9.13 9.12
Valencia	4.32 4.33	12.46 12.46	8.59 8.59

NOTES ON YESTERDAY'S WEATHER.

Temperature was again very low over this country during yesterday, the station reporting a maximum as high as 65°, in numerous instances the readings were below 60°. Showers fell in many localities, with thunder or thunderstorms in the country south of the Thames. The duration of bright sunshine was extremely variable. Southsea had none, Stornoway more than 15 hours. As far west as the 28th meridian ships experienced light to fresh N.W. to S.W. winds, and fine to 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.

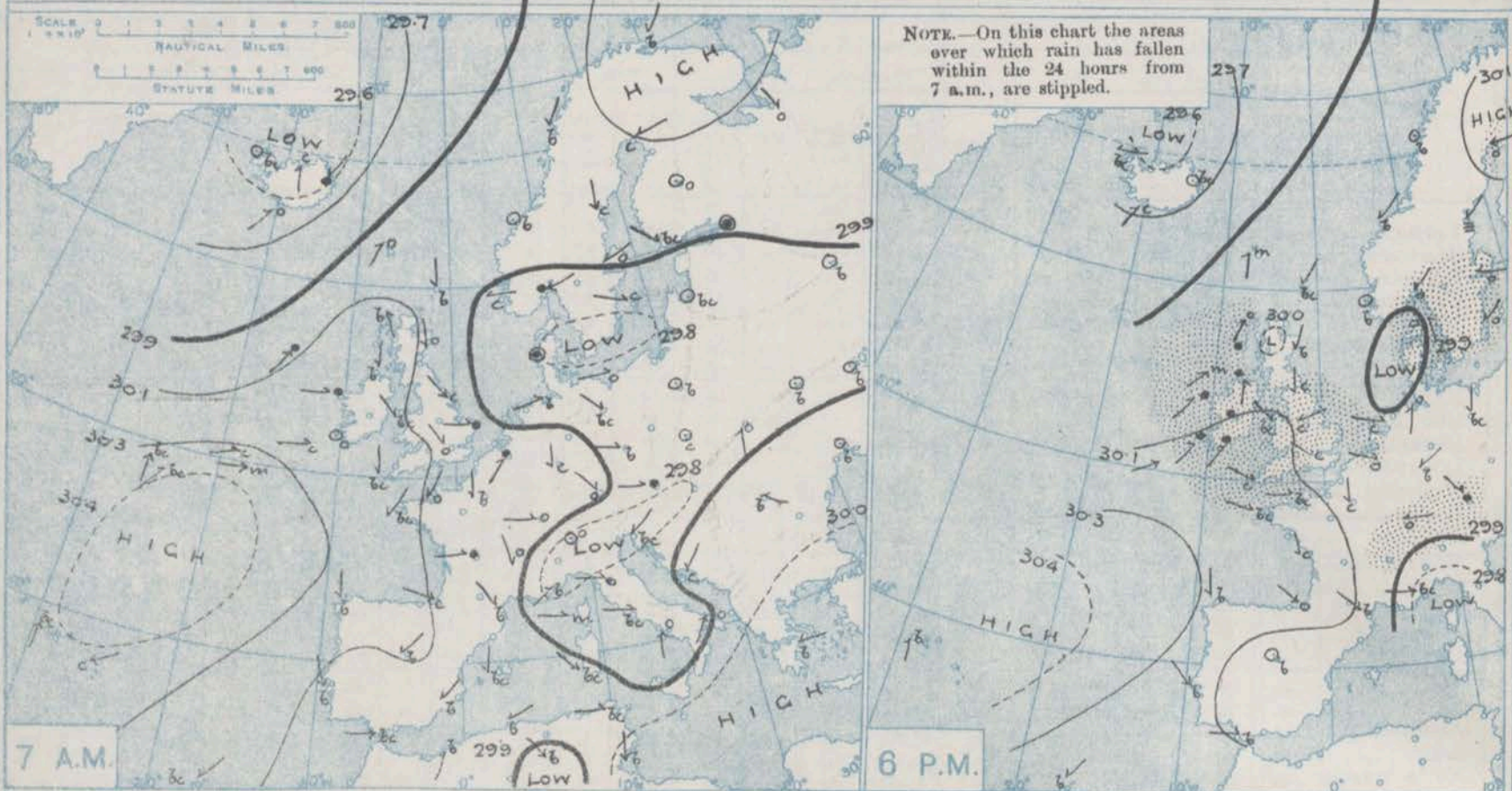
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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Wednesday
9th July 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.	F.				In.	In.	F.					In.	F.	F.				Hours				
Lerwick		30.02	53	NE	2	bc	30.01	-0.02	52	+1	NNW	1	b	1	-	57	44	bc	bc	bc				
Stornoway		30.00	55	SSW	4	o	29.94	-0.01	52	0	S	1	o	1	Trace	59	50	bc	bc	bc	3.5			
Castlebay (Barra Isd.)		29.99	51	SSW	4	cr	29.90	-0.01	53	+1	NW	2	r	2	0.37	55	50	bc	or	v	3.6			
Glasgow		30.03	57	WSW	3	c	29.99	-0.03	52	+3	SE	1	o	#	-	61	46	b	bc	or	9.6			
Malin Head... ..		30.03	51	S	2	fm	29.92	+0.02	53	0	NW	2	c	2	0.04	57	50	bc	or	ngd	*			
Blacksod Point ...		30.01	55	SW	2	r	30.00	+0.01	53	+2	NW	1	o	1	0.42	56	50	or	or	or	*			
Valencia		30.13	55	SW	3	r	30.06	+0.02	55	+5	NNW	4	o	4	0.42	57	50	fm	or	or	0.0			
Roche's Point		30.14	53	SW	3	r	30.00	-	58	+8	NNW	4	o	3	0.16	60	50	o	or	T.O	*			
Birr Castle		30.10	54	SSW	2	r	29.98	-	56	+11	W	2	c	*	0.21	56	44	bc	or	bc	0.8			
Donaghadee		30.06	58	SSE	2	c	29.94	-0.04	52	0	SW	2	r	1	0.05	58	51	bc	c	or	13.0			
Liverpool Obsy.		30.11	56	NW	2	b	30.01	-0.02	52	-1	S	1	o	1	Trace	59	49	bc	bc	bc	12.1			
Holyhead		30.10	57	NW	1	bc	29.96	-0.03	52	0	S	3	bc	2	0.11	60	50	bc	bc	bc	9.1			
Pembroke (St. Ann's Hd.)		30.13	54	NNW	2	c	29.99	-0.05	55	+1	SW	2	bc	2	0.05	58	50	b	bc	bc	10.5			
Newquay		30.15	56	NW	2	b	30.00	-0.04	56	0	-	0	o	2	0.12	58	51	bc	bc	bc				
Scilly (St. Mary's) ...		30.16	57	NW	2	c	30.01	-0.04	57	+1	W	3	bc	3	0.11	62	53	c	c	or				
Jersey (St. Aubin) ...		30.15	60	W	3	bc	30.13	-	56	-2	SW	4	bc	3	0.06	61	53	bc	bc	c	6.2			
Portland Bill		30.10	59	WSW	4	bc	30.08	-0.01	56	+1	SSW	3	c	3	0.16	60	52	bc	bc	c	*			
Dungeness		30.03	61	NNE	3	c	30.07	-0.00	58	+5	SW	2	bc	2	-	62	50	bc	bc	c	*			
Dover		30.05	58	NW	3	o	30.09	-	57	+4	S	2	b	2	-	63	48	bc	bc	c	10.3			
Wick		30.04	52	E	2	b	29.97	-0.02	52	+2	E	3	b	3	-	54	48	bc	bc	bc	*			
Nairn		29.99	59	ENE	1	bc	29.95	-	52	+3	-	0	bc	1	-	64	40	b	bc	bc	11.0			
Aberdeen		30.04	53	NNE	3	b	29.99	-0.00	52	+2	S	2	b	2	-	60	40	bc	bc	b	9.5			
Leith		30.01	60	ENE	2	c	29.97	-0.00	53	+2	-	0	bc	2	-	61	43	bc	bc	c	*			
North Shields		30.06	55	N	2	c	30.01	-0.01	48	-2	SW	2	c	2	0.02	57	47	bc	c	c	0.4			
Spurn Head		30.04	54	NNW	5	c	30.02	-0.00	53	+2	WSW	1	cm	4	Trace	57	50	bc	c	bc	2.2			
Yarmouth		30.00	57	WNW	3	c	30.06	-0.00	51	+1	W	1	bc	1	0.02	57	48	o	bc	bc	1.4			
Clacton-on-Sea		30.02	57	NW	2	c	30.06	-0.01	56	+6	-	0	c	0	-	60	46	bc	bc	bc	5.3			
Nottingham		30.04	58	ENE	2	c	30.04	-	49	-2	WSW	1	cm	2	-	59	42	bc	bc	bc	8.6			
Bath		30.10	60	W	2	o	30.07	-	53	0	SSW	2	o	2	Trace	65	49	bc	bc	bc	6.5			
London (Kew Obsy.) ...		30.06	60	NW	1	c	30.07	-0.01	55	+5	WSW	2	o	2	Trace	65	50	bc	bc	bc	4.6			
Spitzbergen		29.94	39	SE	6	r	29.96	+0.01	39	+2	SE	5	o	*	?	39	34	-	-	-				
Isafjord		29.62	51	E	2	bc	29.72	-0.00	51	-2	-	0	c	*	-	-	-	-	-	-				
Reykjavik		29.65	54	-	0	c	29.77	-0.00	53	+3	-	0	b	*	-	-	-	-	-	-				
Vestmanna		29.69	51	SW	2	c	29.78	+0.01	49	+3	-	0	c	1	-	-	-	-	-	-				
Seydisfjord		29.62	57	-	0	bc	29.72	+0.03	45	-18	SW	1	b	*	-	-	-	-	-	-				
Thorsbavn		29.93	52	S	2	m	29.91	-0.01	50	-1	SSE	3	r	*	-	-	-	-	-	-				
Haparanda		30.12	55	E	4	o	30.17	+0.04	54	-3	E	4	o	*	0.24	61	43	-	-	-				
Hernösand		30.06	52	NE	2	f	30.06	+0.01	57	+2	NW	2	o	*	-	59	50	-	-	-				
Stockholm		29.97	56	ESE	2	o	29.93	-0.02	53	-2	NNE	2	r	*	0.20	61	52	-	-	-				
Wisby		29.91	54	NE	2	o	29.81	-0.05	54	-4	NNW	2	bc	*	0.08	61	50	-	-	-				
Karlstad		29.95	57	E	2	o	29.93	-0.00	56	-3	NE	4	o	*	0.04	63	52	-	-	-				
Färder (X'ania Fjord)		29.93	58	NE	2	o	29.95	+0.01	60	+2	E	3	o	2	0.24	63	55	-	-	-				
Bodö		30.04	60	-	0	b	30.10	+0.02	61	+10	ENE	3	b	1	-	61	50	-	-	-				
Christiansund		29.95	58	NE	1	b	29.95	-0.00	59	+8	-	0	b	2	-	61	50	-	-	-				
Skudesnaes		29.97	61	-	0	b	29.97	-0.00	63	+3	-	0	b	1	-	63	52	-	-	-				
The Scaw (Skagen) ...		29.90	59	SE	3	o	29.94	+0.03	57	-3	SSW	1	b	0	0.35	63	46	-	-	-				
Blaavands Huk		29.89	55	WSW	1	bc	29.90	+0.01	61	+6	SSW	2	b	1	0.16	61	57	-	-	-				
Cuxhaven		29.90	58	S	1	o	29.93	-0.00	52	-3	SW	2	bc	0	-	62	46	-	-	-				
The Helder		29.94	56	WNW	3	c	30.02	+0.01	55	+1	W	3	o	2	0.12	59	54	-	-	-				
Brussels		30.05	53	WNW	1	o	30.10	+0.01	53	+2	SW	1	o	*	Trace	63	47	-	-	-				
Berlin		29.91	62	N	1	bc	29.93	-0.00	61	+5	NW	3	bc	*	-	66	52	-	-	-				
Frankfurt		30.00	55	NE	1	b	30.10	+0.02	54	0	SW	2	bc	*	-	66	48	-	-	-				
Munich		29.94	56	NW	3	r	30.11	+0.09	48	-7	NW	4	o	*	2.15	63	46	-	-	-				
C. Gris Nez		30.05	58	WSW	5	bc	30.09	-0.01	58	+4	SSW	2	m	2	-	63	54	-	-	-				
La Hève		30.14	56	W	4	c	30.08	-	54	0	W	4	o	3	-	63	48	-	-	-				
Brest (St. Mathieu) ...		30.22	59	WNW	3	bc	30.17	-0.03	56	0	WSW	4	f	3	0.04	63	54	-	-	-				
Lorient (Bec Melen) ...		30.13	60	NW	4	c	30.13	-	57	+5	WSW	3	o	3	-	68	52	-	-	-				
Rochefort (Rte d'Alx) ...		30.19	62	NNW	3	c	30.23	+0.02	58	+3	WSW	2	o	*	-	64	55	-	-	-				
Biarritz		30.25	62	NW	4	o	30.30	+0.01	62	0	NNE	3	c	3	-	63	59	-	-	-				
Paris		30.08	61	NNW	2	b	30.18	+0.01	54	-1	SSW	1	b	*	-	65	44	-	-	-				
Belfort		29.99	51	E	2	o	30.25	-	50	-3	W	2	m	*	0.04	64	43	-	-	-				
Lyons		30.10	51	WNW	3	r	30.27	-	52	-3	-	0	o	*	0.28	67	47	-	-	-				
Nice		29.77	68	W	6	b	29.91	+0.06	68	+2	-	0	b	3	-	81	57	-	-	-				
Perpignan		30.08	68	NW	4	b	30.26	+0.03	63															

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



GENERAL INFERENCE

WEATHER PROSPECTS.

A "V"-shaped secondary disturbance over our western districts is moving eastward, and will

occasion more or less rain in all parts of the country.

FORECASTS FOR THE 24 HOURS NOON WEDNESDAY

TO NOON THURSDAY

0 { a } Calms and light variable breezes,
b then S.W. and freshening somewhat;
changeable, some rain; very cool.

1

2 { a } Light breezes between S and S.W.,
b shifting S.W. later and freshening

3 Dull at first, with some rain, then

4 { a } fairer; rather cool.
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 & 1.
b

7 { a }
b

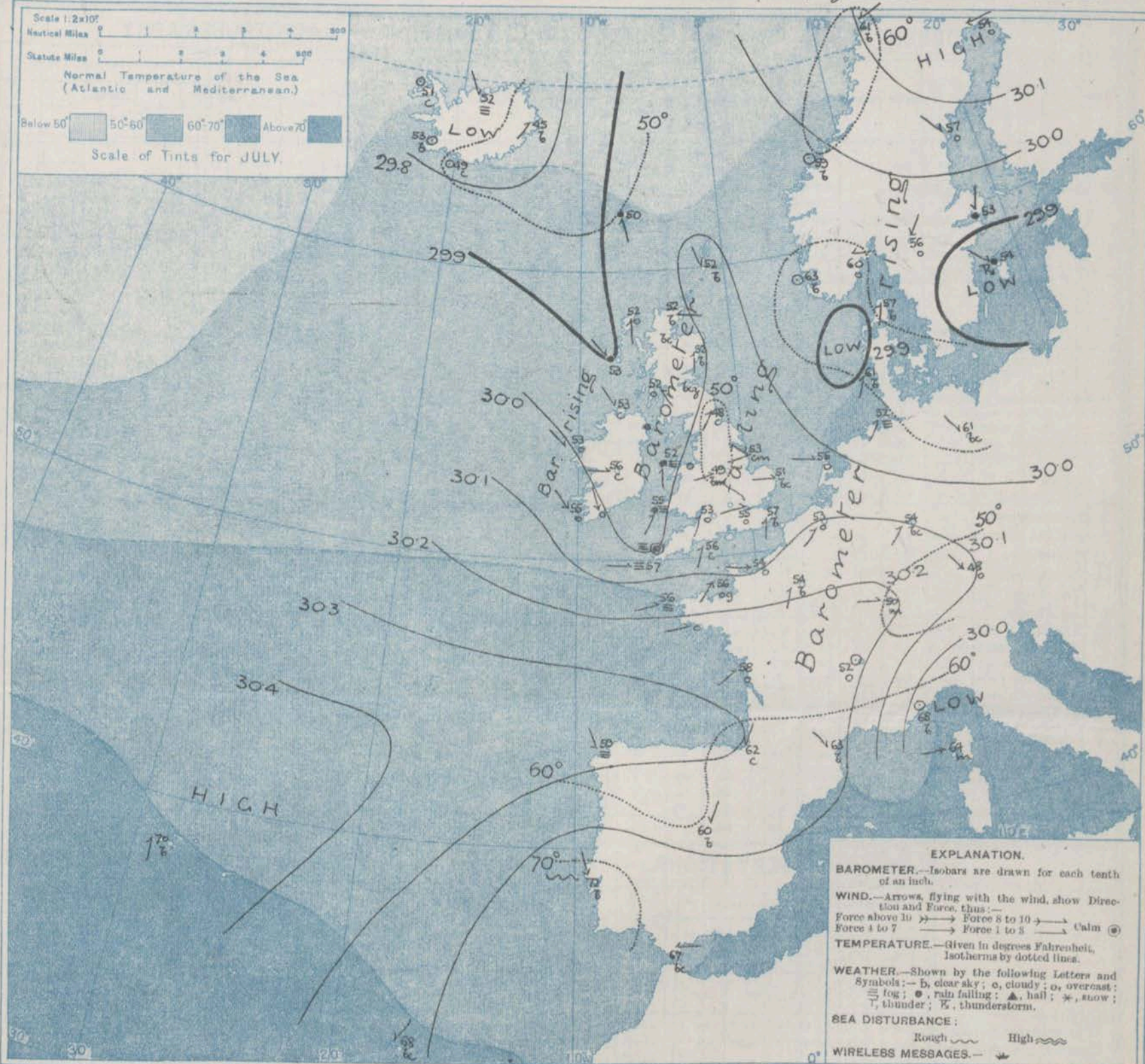
8 { a } Wind between S.W. and S.E., fresh
b at times locally; changeable,
some rain, coast fog, fair to fine
9 { a } intervals; very cool.
b

10 { a }
b

11 WESTERN CHANNEL AND BAY
S. to S.W. and S.W. breezes,
fresh at times; sea slight to rather
rough; unsettled, some rain and fog,
fairer later; very cool.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. WEDNESDAY, 9TH JULY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

An area of high pressure extends from Bavaria out to the Atlantic, the barometer being at nearly 30½ in. at the Azores. Another anticyclone embraces northern Scandinavia and Russia, with the barometer at about 30.2 in. In a depression on the Baltic pressure is at 29.8 in., and it is still lower in a depression over the Iceland region. A "V" shaped secondary extends southward from the Faeroë to Sicily. The gradient is slight.

Light variable breezes prevail, but a N.E. current has arrived on our western coasts. Over the British Isles temperature ranges from 48° at

North Shields to 58° at Dungeness and Rocks Point, on the Continent from 48° at Munich, and 50° at Belfast to 67° at Gibraltar, and 68° at Nice. The weather is in a very changeable condition all round, from cloudless to overcast, dull or gloomy, with fog from Holyhead down to the Spanish coast, also at the mouth of the Elbe. Rain is falling on the Western Channel, in the Faeroë and on the Baltic, a thunderstorm being in progress at Wisby. The sea is slight to smooth generally.

Wednesday, 9th July 1913.

[illegible]

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	-	56	48	bc	bc.c	10.5	England, S.E.	Margate	-	62	50	b	b	11.0
	Stonehaven	0.02	62	44	bc.b	b.bc	8.4		Ramsgate	-	62	48	*	*	11.0
	St. Andrews	-	58	47	bc	bc	8.1		Folkestone	0.03	62	46	bc	bc.	11.2
	Carnoustie	-	61	45	*	*	8.6		Littlestone	-	*	*	o.bc.b	b.bc	9.3
	Harrogate	-	55	41	b.bc.c	c.o.bc	10.2		Hastings	-	63	47	bc	c	9.6
England, N.E.	Scarborough	-	54	47	or	c.c	1.0	Bexhill-on-Sea	-	62	46	*	*	8.6	
England, N.W.	Blackpool	-	60	43	bc	c	10.7	Eastbourne	-	61	47	*	*	8.4	
	Southport	-	58	46	c.bc.b	c.b.	12.5	Seaford	-	65	47	c	c	5.8	
	Buxton	0.03	57	40	a.b	bc.	9.6	Brighton	-	66	48	c.bc	bc.c.	4.6	
	Leamington Spa	0.01	63	45	c	c	8.5	Worthing	-	*	*	*	*	5.1	
	Douglas	-	60	48	b	b.bc	12.5	Littlehampton	0.01	*	*	c.bc.c	c.bc.b.	6.4	
Wales.	Malvern	0.04	59	48	bc	bc	10.7	Southsea	-	65	50	c.c	c.c	5.1	
England, E.	Rhyl	-	60	50	b	b	9.0	Bournemouth	-	63	50	*	*	6.1	
	Colwyn Bay	-	62	51	bc	b	10.2	Ryde	0.10	64	50	bc.o	b.b.	10.0	
	Llandudno	-	58	43	o.c.b	bc.b	12.0	Falmouth	0.28	63	49	c.bc	bc	4.4	
	Bettws-y-Coed	0.04	57	42	o.p.c.o	o.p.c.	1.0	Weymouth	-	64	52	bc	bc.b.	7.4	
	Aberystwyth	0.01	60	43	bc.c.p	c.o	5.2	Teignmouth	0.02	65	51	bc	b	7.4	
England, S.W.	Lowestoft	-	59	42	bc	bc	9.0	Torquay	-	65	52	bc	b	7.4	
	Felixstowe	-	64	45	bc	bc	9.0	Paignton	-	60	53	bc.b	b.bc.	12.0	
	Walton-on-Naze	-	64	45	bc	bc	9.0	Ilfracombe	0.01	64	49	b	b.bc.b.	9.0	
	Southend-on-Sea	-						Weston-super-Mare	-						

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.				Max.	Min.	Night Min. on Grass.	Night.	Fore- noon.	After- noon.	
			Max.	Min.		Max.				Min.		Max.							Min.
	24 HOURS ENDED 9 A.M. TO-DAY.																		
Greenwich (Royal Obs.) ...	%	%	F.	F.	F.	in.	c	c	c.o	Hr.	Dublin to 4 p.m.	in.	F.	F.	F.	bc	bc	c.o	H.
City (Bunhill Row) ...	45	67	65	48	40	-	c	c	c.o	4.9	Plymouth to 9 p.m.	-	65	44	42	o	c.b	c.bv	8
Westminster (St. James's Pl.)	"	"	"	"	"	"	"	"	"	3.7	Darwen "	"	64	51	50	o	c.b	c.bv	8
Camden Sq. (Brit. Rainfall)	50	71	65	51	45	-	bc.o	ow	bc.u	4.4	Manchester "	0.02	59	41	40	or.bc	bc	bc	5
Hampstead (Reservoir) ...	47	65	67	48	46	-	bc	c.o	c.o	5.8	Birmingham "	-	61	46	33	c	c	c	
Kew. (See front page.)	"	75	63	49	39	-	bc	bo	c*	5.2	Oxford to 8 p.m.	"	64	46	39	o.cm	p.cm	cm.bcm	
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																			
Total.			Mean Rate.			Max. Rate.													
14.08 Joules.			23.9 Milliwaits.			8.5 Milliwaits.			3.3	S. Kensington (Museum Grounds to 6 p.m.)	-	64	47	38	c.bc	bc.c	c.o.g.c		

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

9th 11th July 1913.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth	...	3.42 3.43	11.58 11.59	8.14 8.14
Greenwich	...	3.55 3.56	12.5 12.5	8.15 8.14
Wick	...	3.21 3.22	12.17 12.17	9.12 9.11
Valencia	...	4.33 4.34	12.46 12.46	8.59 8.58

During yesterday temperature was again much below the normal over this country, many stations failing to reach 60°, and very few touching 65°. Rain has fallen at all western stations, nearly $\frac{1}{2}$ inch in Western Ireland. The duration of bright sunshine was very variable, for none at Valencia to 13 hours at Liverpool. As far west as the 25th meridian ships experienced light to fresh ~~SE~~ to SE breezes, with fair to dull weather, local mist and rain.

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.

Thursday,
10th July, 1913.

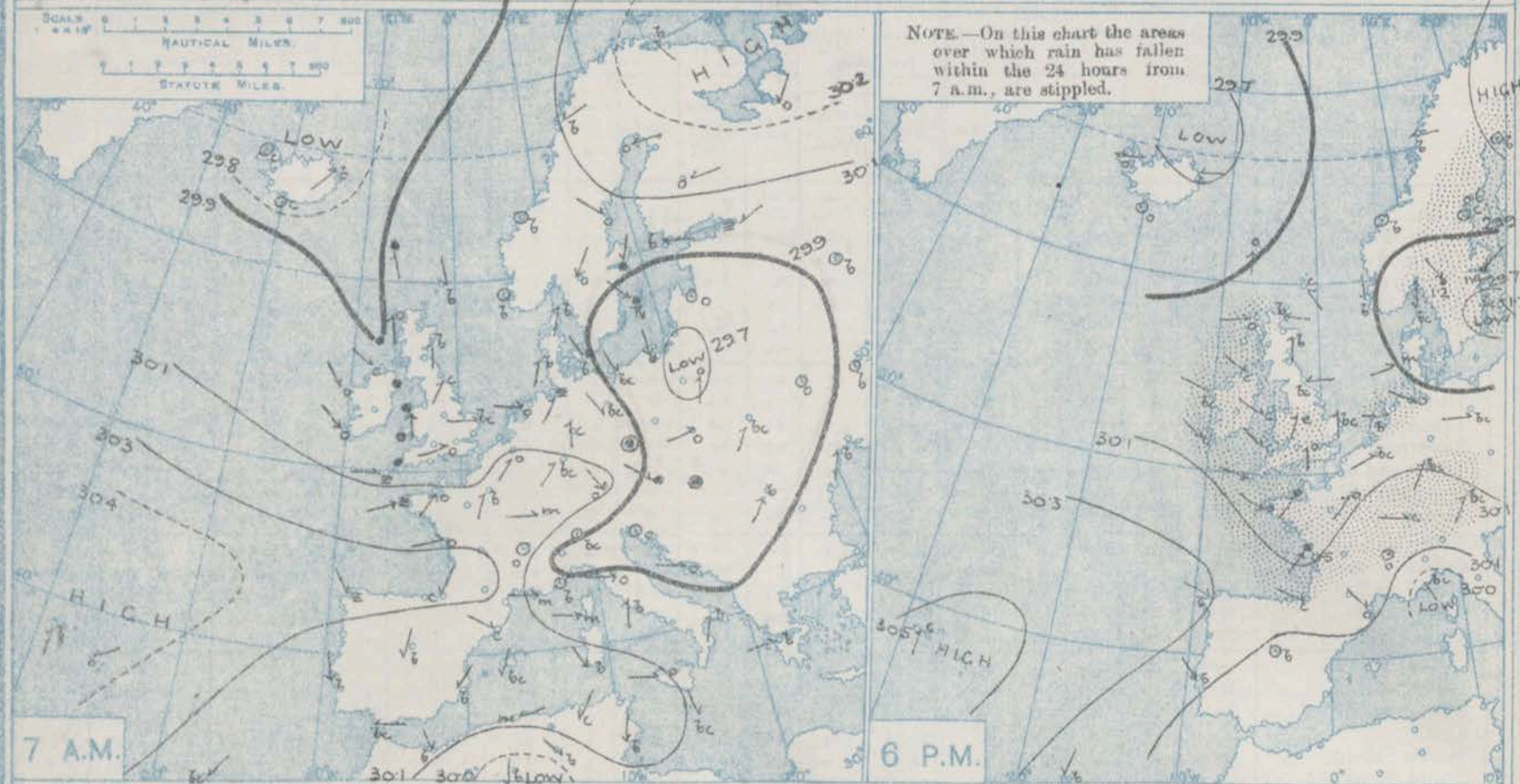
STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun- shine for Yester- day.
		BAROM.		TEMP.		WIND.	Force (0 to 12).	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.				
		At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	F.	SE.				At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						F.	SE.	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.
		In.	F.				In.	F.								In.	F.	F.				Hours		
BRITISH ISLANDS.	Lerwick	29.97	54	SE	3	c	29.94	-0.03	53	+1	SE	3	c	2	2	-	58	49	c	c	c			
	Stornoway	29.94	56	W	2	o	29.82	-0.04	52	0	S	2	r	2	0.02	58	50	ogdp	e	op	0.0			
	Castlebay (Barra Isd.)	29.97	54	WNW	2	c	29.82	-0.04	52	-1	W	3	o	2	0.01	56	50	r.op	op.c	c.op	0.7			
	Glasgow	29.96	54	SSE	1	T	29.86	-0.04	50	-2	W	3	o	2	0.15	57	50	c	odt	A.T.O	0.0			
	Malin Head	29.98	54	NW	2	c	29.86	-0.05	52	-1	W	3	f	2	0.02	56	50	cm	e	fol				
	Blacksod Point	30.05	56	NW	2	bc	29.96	-0.04	55	+2	W	3	o	2	0.01	59	50	emp.c	bc	bc.om				
	Valencia	30.08	56	NW	4	o	30.05	-0.01	56	+1	NW	2	bc	4	0.04	58	52	c.om	om	c.p	2.6			
	Roche's Point	30.02	58	NNW	3	o	30.02		53	-5	WNW	2	o	2	0.03	59	50	og	og	og.bme				
	Birr Castle	30.01	57	NW	2	c	29.97		52	-4	W	1	m	2	0.01	59	51	c	e	om	0.9			
	Donaghadee	29.97	56	NNE	3	bc	29.90	-0.03	54	0	WNW	2	c	1	0.02	58	48	emp	bc	c.b.c				
	Liverpool Obsy.	29.93	57	SSE	1	o	29.88	-0.01	54	+2	WNW	3	o	2	0.06	61	52	ogd	og	op	0.0			
	Holyhead	29.95	52	NW	2	cf	29.96	-0.01	54	+2	NW	2	cm	1	0.06	60	51	r.f.c	c.b.c	f.c	2.8			
	Pembroke (St. Ann's Hd.)	29.94	56	NW	3	c	29.94	-0.02	54	-1	NNW	3	c	2	0.04	61	52	td	c	c	1.6			
	Newquay	29.95	57	NW	3	c	29.95	0.00	56	0	N	3	ovu	3	0.03	60	55	odfiof	o.b.c	bc	1.1			
SCANDINAVIA.	Silly (St. Mary's) ...	29.99	56	NW	4	cm	29.99	+0.01	56	-1	NW	3	c	3	0.01	60	53	omr	omr	om	0.4			
	Jersey (St. Aubin) ...	29.93	59	SW	3	omd	29.90		57	+1	WNW	3	c	3	0.28	60	54	omr	omr.d	ogm	0.0			
	Portland Bill	29.91	58	WSW	1	c	29.87	-0.01	57	+1	NW	3	bc	3	0.01	59	53	cpd	cpd	c.b.c				
	Dungeness	29.97	57	SW	2	o	29.84	-0.01	58	0	-	0	a	2	-	62	55	bc	bc	c.p.c				
	Dover	30.00	57	S	3	c	29.87		55	-2	NNE	2	o	2	0.02	63	53	b.b.c	c.b.c	c.p.c	6.7			
	Wick	29.93	53	ESE	4	b	29.82	-0.02	52	0	-	0	o	3	0.15	54	49	b	b	omd				
	Nairn	29.91	60	-	0	c	29.83		54	+2	-	0	o	1	-	63	50	b.b.c	pl.c	c.o	7.4			
	Aberdeen	29.94	58	S	3	b	29.83	-0.02	53	+1	-	0	o	2	-	61	45	b.b.	b	b.o.	14.6			
	Leith	29.94	58	N	2	o	29.86	-0.03	55	+2	NW	2	o	2	-	61	53	c.og	o	o				
	North Shields	29.96	57	E	3	bc	29.87	-0.03	49	+1	WSW	2	b	3	-	61	47	c.og	b	b	12.0			
	Spurn Head	29.94	57	SE	4	bc	29.85	-0.01	55	+2	WNW	1	fw	3	trace	63	51	bc	bc	emp	11.8			
	Yarmouth	29.96	63	S	2	bc	29.87	-0.01	56	+5	SW	2	bc	1	-	63	50	bc	bc	bc	8.9			
	Clacton-on-Sea	29.96	61	SSW	3	c	29.86	-0.02	58	+2	WNW	1	bc	0	trace	64	55	c.b.c	c.b.c	op.b.c	7.7			
	Nottingham	29.94	62	SSW	1	c	29.87		55	+6	E	1	c		trace	63	49	cpd	cpd	c.o.	0.3			
Bath	29.92	64	SE	0	o	29.88		58	+5	N	1	o		-	66	53	op	op	op	0.5				
London (Kew Obsy.) ...	29.97	59	S	2	o	29.87	-0.02	57	+2	-	0	cm		0.03	66	54	o.c.	c.ov	om	1.6				
GERMANY, &c.	Spitzbergen	30.04	39	NNE	5	T	30.10	+0.04	40	+1	SE	4	o	2	?	41	34							
	Isafjord	29.73	54	E	4	o	29.83	+0.01	44	-7	E	2	o	2										
	Reykjavik	29.73	59	SE	4	c	29.77	+0.02	52	-1	W	4	b											
	Vestmanna	29.74	50	-	0	o	29.77	+0.01	49	0	NNW	4	b	1										
	Seydisfjord	29.67	58	E	2	c	29.75	+0.03	46	+1	-	0	T											
	Thorshavn	29.87	51	S	3	o	29.75	-0.02	51	+1	-	0	o											
	Haparanda	30.14	63	-	0	b	30.11	-0.03	63	+9	NE	2	b		0.04	75	41							
	Hernösand	29.99	62	-	0	c	29.85	-0.02	57	0	M	4	o		0.55	64	48							
	Stockholm	29.77	59	NE	2	T	29.69	+0.01	60	+7	ESE	2	o		1.38	61	54							
	Wisby	29.67	59	SE	2	bc	29.62	-0.01	58	+4	ESE	2	o		1.69	61	54							
	Karlstad	29.83	56	NNW	4	T	29.65	-0.02	60	+4	NE	2	o		1.18	64	52							
	Færder (X'lania Fjord)	29.98	63	WNW	1	o	29.67	-0.03	59	-1	NNW	4	o	2	0.04	63	57							
	Bodö	30.07	59	E	2	b	30.02	-0.01	63	+2	E	4	b	2	-	66	54							
	Christiansund	29.95	63	-	0	b	29.84	-0.03	54	-5	-	0	o	0	-	66	54							
Skudesnaes	29.93	59	N	2	b	29.78	-0.02	50	-13	N	4	f	2	-	64	46								
The Scav (Skagen) ...	29.87	60	N	3	bc	29.71	-0.01	61	+4	NNW	2	o	0	-	64	48								
Blaavands Huk	29.90	57	WSW	1	m	29.82	-0.01	58	-3	NNW	2	o	2	-	64	55								
FRANCE.	Cuxhaven	29.93	57	WNW	4	o	29.89	-0.04	57	+2	SW	1	bc	1	0.04	59	45							
	The Helder	30.02	55	WSW	2	bc	29.89	-0.04	57	+2	SW	1	bc	1	0.04	59	45							
	Brussels	30.03	54	WSW	2	bc	29.87	-0.04	55	+2	SSE	1	o		-	66	48							
	Berlin	29.93	62	NW	1	bc	29.90	-0.02	58	-3	W	4	bc		-	66	54							
	Frankfurt	30.09	54	SW	1	bc	29.96	-0.04	52	-2	SE	1	T		0.04	63	48							
	Munich	30.14	52	SW	3	bc	30.00	-0.04	54	+6	W	4	b		0.04	57	43							
	C. Gris Nez	30.01	58	WSW	3	c	29.86	-0.02	57	-1	E	1	o	0	-	61	52							
	La Hève	29.96	57	SE	3	o	29.85		55	+1	NE	1	o	1	-	61	50							
	Brest (St. Mathieu) ...	30.03	57	NW	4	o	29.99	+0.01	57	+1	N	3	bc	3	0.08	63	55							
	Lorient (Rec Molen) ...	29.97	56	W	4	o	29.94		55	-2	WNW	4	o	3	-	59	52							
	Rochefort (Ile d' Aix)	30.09	59	SW	5	T	29.91	-0.01	58	0	NW	4	c		0.51	66	57							
	Biarritz	30.19	65	NW	2	e	30.02	-0.02	62	0	SW	4	o	4	0.04	68	61							
	Paris	30.06	58	SSW	2	T	29.83	-0.02	56	+2	S	1	T		0.08	67	53							
	Belfort	30.16	56	W	2	e	29.97		54	+4	-	0	m		?	62	49							
Lyons	30.15	63	-	0	o	29.99		53	+1	-	0	T		0.12	69	52								
Nice	29.97	69	SE	2	bc	29.92	-0.02	62	-6	-	0	c	3	-	81	55								
Perpignan	30.15	67	NW	1	o	30.05	-0.02	62	-1	W	1	o		-	74	54								
Sanguinaire																								
SPAIN, PORTUGAL, &c.	Corunna (8 a.m.) ...	30.31	62	WNW	2	b	30.22	0.00	61	+2	WNW	2	b	3	-	62	57							
	Lisbon (8 a.m.) ...	30.1																						

GALLES.
Duration and Extreme Force
on British Coasts.

* 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. 9TH JULY.



GENERAL INFERENCE

The shallow depression over England and the Continent will pass away slowly to the eastward, and in its rear a temporary improvement in the

WEATHER PROSPECTS.

weather will take place. The fresh fall of the barometer on our western and northern coasts appears to indicate the approach of another disturbance from the Atlantic.

FORECASTS FOR THE 24 HOURS NOON THURSDAY

TO NOON FRIDAY.

0 { Calms or light variable airs;
cool and cloudy at first, with
slight rain in places, improving
later.

1

2 { Light W. to S.W. winds;
fair generally, but slight local
showers, remaining cool.

3

4 { Light S.W. to W. winds;
fair generally, but mostly cloudy
and very cool.

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 { Light W. to S.W. winds; cool, cloudy,
slight rain in places.

7

Same as Dtos 4 & 5.

8

9

10

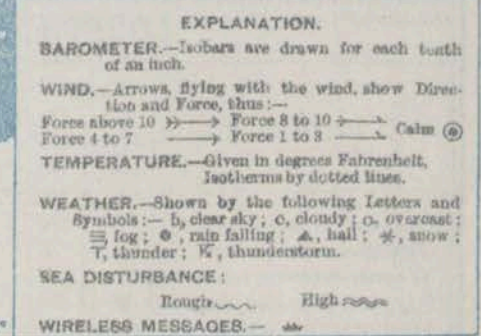
Light or moderate W. to S.W. winds; fair at first, some showers later, remaining cool.

11 WESTERN CHANNEL AND BAY.

Light or moderate S.W. to W. winds, with fair weather and a slight sea.

THE FURTHER OUTLOOK.

JULY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

A large anticyclone still lies over the Azores region, and another area of high pressure is reported over and to the northward of Lapland. The lowest pressures are found over the south of Sweden, but another shallow area of low readings lies between Iceland and Scotland, and a secondary trough extends southward across Great Britain and the neighbouring portions of the Continent.

The wind is light from the N.W.rd over the major part of the United Kingdom and the North Sea, and from the W.rd in Germany. In Sweden it varies between N.E. and S.E. Temperature

has changed rather irregularly, but has risen slightly in most places. Over the United Kingdom the morning readings range from a little above 55° in the south and east of England to 49° at North Shields. Readings slightly above 60° are reported in Spain and the south of France, as well as at some of the Scandinavian stations. The weather is fine on the east coasts of England but cloudy or overcast in nearly all other parts of our area of observation. Rain is falling in central France and Eastern Germany, as well as at Seydisfjörd (Iceland). The sea is slight or smooth generally.

DAILY WEATHER REPORT.

Thursday, 10th July 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.	
9th 6 p.m.	51	10	<i>Lacania</i>	H	30.10	+0.3	NW	4-5	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.	Oban ...	0.06	56	51	b.c.zp	b.c.	0.5	England, S.E.	Margate ...	-	66	48	b	b	5.2
	Stonehaven ...	-	60	?	b.c.b	b.g	11.7		Ramsgate ...	-	65	49	b.c.c	b.c.c.c	7.4
	St. Andrews ...	-	65	42	b	b	11.5		Folkestone ...	-	61	52	b.c.c	b.c.c.c	5.6
	Carnoustie ...	-	60	42	*	*	12.8		Littlestone ...	-	*	*	b.c.c	*	4.3
England, N.E.	Harrogate ...	-	60	46	c.c	o	?	England, S.W.	Hastings ...	-	61	51	b.c.c	o.c	2.0
	Scarborough ...	-	61	47	c	b.c	8.2		Bexhill-on-Sea ...	-	59	51	c.b.c	c.p	2.2
	Blackpool ...	-	60	48	o	o	0.0		Eastbourne ...	-	60	51	b.c.c	o.c.b.c.c	2.2
	Southport ...	0.03	62	47	o	o.m.o	0.0		Seaford ...	0.02	60	47	c.c	o	2.0
England, N.W.	Buxton ...	-	62	43	b.c.c	c.b.	0.2	England, S.W.	Brighton ...	-	60	49	o	o	1.2
	Leamington Spa ...	-	64	46	o	o	0.0		Worthing ...	-	60	48	c.c	o	0.1
	Douglas ...	0.58	54	49	o.d.f	o.d.	0.0		Littlehampton ...	-	*	*	*	*	0.4
	Rhyl ...	0.18	56	47	b.c	b.c.r	0.0		Southsea ...	0.12	58	51	o.c.r	o.r.c	0.0
Wales.	Colwyn Bay ...	0.13	58	50	b.p.d	b.p.r	0.0	England, S.W.	Bournemouth ...	0.08	59	48	d	o	0.0
	Llandudno ...	0.16	61	50	o	o	0.0		Ryde ...	0.10	58	55	o.m.r	o.m.r	0.0
	Bettws-y-Coed ...	-	62	43	c	c.b	0.5		Exmouth ...	0.04	62	50	p.c.b	c.b.	1.5
	Aberystwyth ...	0.04	60	52	r.c.c	o.c.c	0.7		Plymouth ...	0.13	64	52	c	c	5.0
England, E.	Lowestoft ...	0.05	63	46	c.c.c	c.o.p.b.c	7.8	England, S.W.	Weymouth ...	0.02	62	52	c.d.c	c	0.2
	Felixstowe ...	-	65	46	b.c	b.c.c	9.1		Teignmouth ...	0.02	62	52	c.d.c	c	0.2
	Walton-on-Naze ...	-	64	47	b.c.y	b.c.c	7.1		Torquay ...	0.02	63	52	o	o	0.6
	Southend-on-Sea ...	-	67	52	b	b.c	8.0		Paignton ...	-	62	51	o	c	0.4

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.				F.*	F.*	F.*	Night Min. on Grass.	Night.	Fore-noon.		After-noon.		
			Max.	Min.			Yes															No	Yes	No
			24 HOURS ENDED 9 A.M. TO-DAY.																				
Greenwich (Royal Obsy.) ...	64	90	69	54	51	-	c.c	o	0.0	3.3	Dublin to 4 p.m.	0.12	65	52	52	r.op	p.c	c.b.	1.0				
City (Bunhill Row) ...	*	*	63	56	55	*	b.c	o	0.0	2.5	Plymouth to 9 p.m.	0.20	63	53	50	c.b	o.d	c.b.	0.6				
Westminster (St. James's Pl.)	71	89	63	56	54	0.04	o	c.c	0.0	1.7	Darwen "	-	59	44	42	b.c.m	o.g	o	0.0				
Camden Sq. (Brit. Rainfall)	58	89	68	56	54	0.04	o	c.c	0.0	1.0	Manchester "	-	62	46	31	o	o	o	0.0				
Hampstead (Reservoir) ...	*	87	62	53	49	-	c.c	o.p	o	1.7	Birmingham "	-	62	46	31	o	o	o	0.0				
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																				
			Total.		Mean Rate.		Max. Rate.				S. Kensington (Museum Grounds to 6 p.m.)	-	64	51	43	c.c.c	o	o.g	0.0				
S. Kensington (Roof of M.O.)	73	89	152.6	Joules.	26.0	Milliwatts.	77	Milliwatts.	1.2														

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

10th July 1913.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 3.43 3.44	G.M.T. 11.58 11.58	G.M.T. 8.14 8.12
Greenwich ...	3.56 3.57	12.5 12.5	8.14 8.13
Wick ...	3.22 3.23	12.17 12.17	9.11 9.10
Valencia ...	4.34 4.35	12.46 12.46	8.58 8.58

NOTES ON YESTERDAY'S WEATHER.

At many of our western and south-western stations the thermometer yesterday failed to reach 60°, but at some places in the south and south-east of England it rose slightly above 65°, and at Greenwich it touched 69°. The amount of bright sunshine was as a rule very small, but on the east coast of Scotland it ranged between 1½ and 1¾ hours. Slight rain was experienced in many parts of England and Ireland and also in the west of 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; 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.

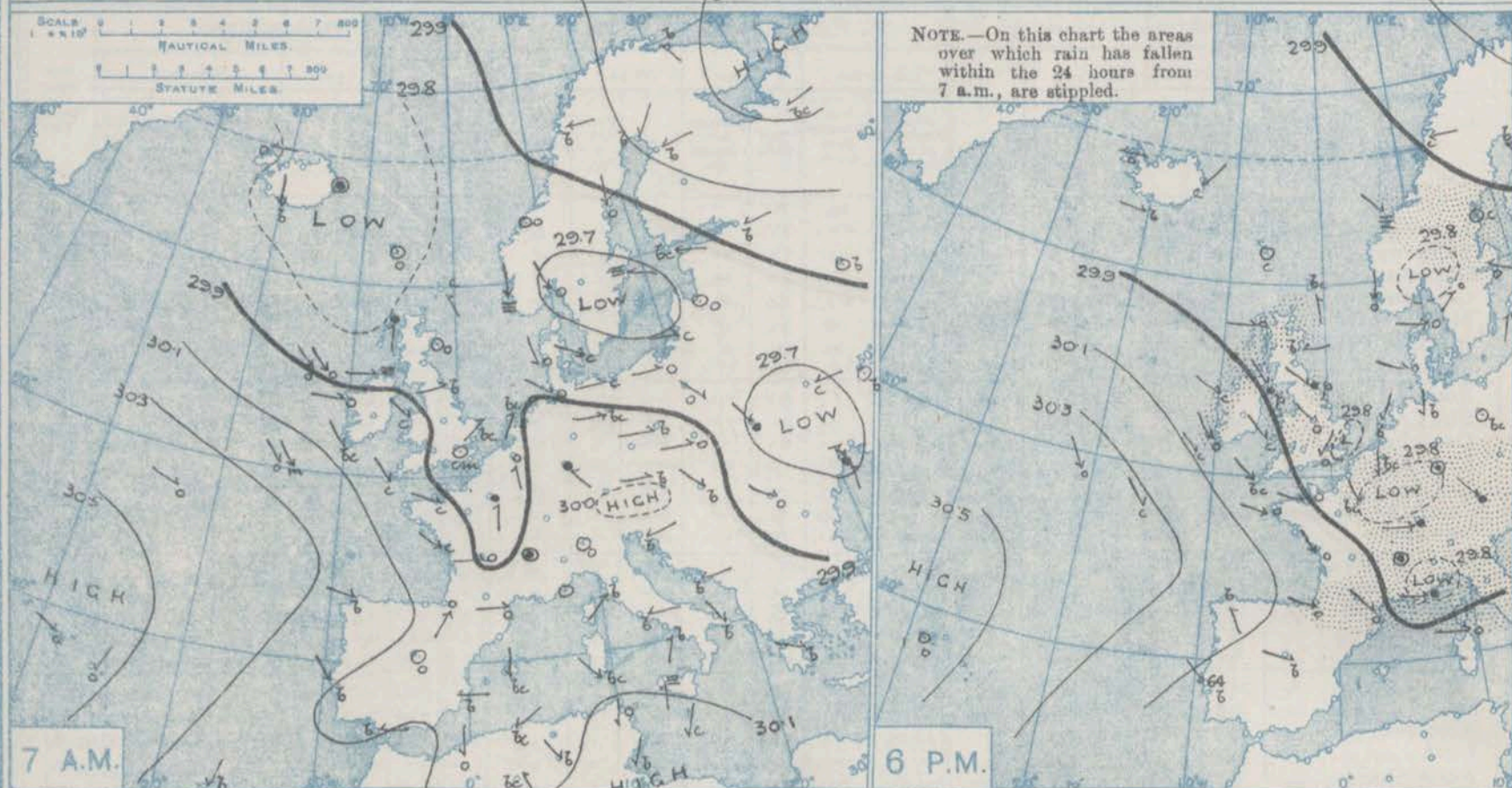
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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Friday,
11th July, 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.				
		In.	F.				In.	In.	F.				In.	F.	F.					Hours				
BRITISH ISLANDS.	Lerwick ...	29.79	55	SSE	2	bc	29.85	+0.2	53	0	SSW	1	c	1	-	55	51	c	bc	c				
	Stornoway ...	29.83	56	W	3	o	29.90	+0.1	53	+1	S	1	o	1	0.10	59	51	op	u	o	1.3			
	Castlebay (Barra Isd.)	29.86	54	WNW	3	o	29.92	+0.0	53	+1	W	2	o	2	0.01	57	51	op	p.o	o	1.4			
	Glasgow ...	29.84	54	W	3	o	29.90	+0.3	53	+3	W	1	o	-	-	58	50	a	c	abc	0.0			
	Malin Head...	29.89	54	WNW	4	egm	29.94	+0.0	52	0	-	0	om	0	0.03	55	50	gsp	gmp	gm	*			
	Blacksod Point ...	30.00	57	NW	2	a	30.00	+0.0	55	0	NW	1	c	1	0.07	59	53	onp	onp	onp	*			
	Valencia ...	30.05	57	NNW	4	o	30.08	+0.1	55	-1	-	0	dm	3	0.01	59	54	bc	bc	onp	3.6			
	Roche's Point ...	29.98	59	NNW	4	c	30.05	0.0	56	+3	NW	2	o	2	-	62	53	onp	og.c	c	0.9			
	Birr Castle ...	29.95	58	NW	2	c	30.01	0.0	55	+3	W	1	o	-	-	60	52	c	drc	c	0.8			
	Donaghadee ...	29.87	54	NW	2	cpm	29.96	+0.2	52	-2	NW	1	c	2	0.06	57	51	onp	onp	onp	*			
	Liverpool Obsy. ...	29.87	55	WNW	3	bc	29.96	+0.3	55	+1	WNW	3	o	3	-	59	54	og	bc	bc	2.9			
	Holyhead ...	29.89	56	W	2	cm	29.95	+0.2	55	+1	NW	2	c	1	0.01	57	53	obc	obc	obc	0.0			
	Pembroke (St. Ann's Hd.)	29.90	56	NW	3	c	30.00	+0.2	55	+1	NW	1	c	1	0.01	59	53	c	c	c	0.3			
	Newquay ...	29.92	58	NW	4	af	30.01	+0.4	59	+3	NW	3	b	3	-	60	55	c	c	c	1.7			
	Scilly (St. Mary's) ...	29.96	59	NW	4	bc	30.04	+0.3	57	+1	NNW	1	c	2	-	62	55	c	bc	c	4.6			
	Jersey (St. Aubin) ...	29.90	59	WNW	3	o	30.01	0.0	58	+1	NW	3	o	2	-	62	56	c	c	c	2.3			
	Portland Bill ...	29.86	60	NW	4	c	29.98	+0.3	58	+1	NNW	3	c	3	-	64	55	c	a	c	*			
	Dungeness ...	29.79	58	W	3	r	29.91	+0.3	57	-1	NNE	2	c	2	0.02	63	53	c	bc	bc	0.0			
	Dover ...	29.82	57	NW	3	c	29.92	0.0	61	+6	N	3	b	2	0.01	61	54	c	bc	bc	2.7			
	Wick ...	29.80	58	S	1	c	29.87	+0.3	52	0	SW	2	c	2	0.04	55	50	onp	onp	onp	*			
Nairn ...	29.79	58	-	0	c	29.88	0.0	54	0	W	1	c	1	0.06	60	50	c	c	c	0.0				
Aberdeen ...	29.81	58	E	1	b	29.89	+0.2	55	+2	NNW	1	o	1	0.03	63	52	onp	onp	onp	1.3				
Leith ...	29.81	60	W	2	o	29.87	+0.2	55	0	WNW	2	o	-	-	63	53	og	c	o	*				
North Shields ...	29.83	57	NW	2	op	29.91	+0.3	54	+5	SW	2	o	2	0.02	59	48	c	c	o	1.9				
Spurn Head ...	29.81	57	WNW	3	f	29.92	+0.3	50	-5	NNW	2	f	4	-	62	47	onp	onp	onp	3.5				
Yarmouth ...	29.80	61	SSE	2	o	29.91	+0.2	49	-7	W	1	f	1	-	64	46	bc	bc	bc	10.5				
Clacton-on-Sea ...	29.79	61	SSW	2	c	29.92	+0.5	53	-5	NW	1	m	1	0.04	64	51	bc	bc	bc	3.9				
Nottingham ...	29.83	58	NW	1	o	29.93	0.0	55	0	W	1	cm	0	0.01	60	49	c	onp	onp	0.2				
Bath ...	29.86	60	NW	2	o	29.99	0.0	58	0	NW	-	o	-	-	65	55	o	o	o	0.1				
London (Kew Obsy.) ...	29.84	57	NE	1	o	29.96	+0.4	54	-3	WNW	1	om	0	0.16	65	51	onp	onp	onp	0.9				
ICELAND, FAEROE, &c.	Spitzbergen ...	30.11	39	SE	2	o	30.16	+0.0	60	0	SE	2	o	0	-	41	39	o	o	o				
	Isafjord ...	29.84	48	E	2	o	29.92	+0.4	44	0	E	5	o	0	-	41	39	o	o	o				
	Reykjavik ...	29.86	54	W	3	b	29.87	+0.2	53	+1	W	3	c	0	-	41	39	o	o	o				
	Vestmanna ...	29.80	56	W	1	b	29.82	+0.1	47	-2	NW	1	c	1	-	41	39	o	o	o				
	Seydisfjord ...	29.82	53	NE	3	c	29.81	-0.1	45	-1	-	0	c	0	-	41	39	o	o	o				
	Thorshavn ...	29.80	56	-	0	c	29.83	0.0	50	-1	-	0	o	0	-	41	39	o	o	o				
SCANDINAVIA.	Haparanda ...	30.00	70	SE	2	b	30.06	+0.4	70	+7	SE	4	b	-	-	84	63	o	o	o				
	Hernösand ...	29.87	60	-	0	c	29.89	+0.0	60	+3	NE	4	o	0	0.07	60	46	o	o	o				
	Stockholm ...	29.79	55	ESE	2	o	29.83	+0.2	59	-1	W	2	o	-	0.01	63	54	o	o	o				
	Wisby ...	29.74	61	SSW	2	c	29.82	+0.4	58	0	NNW	2	o	-	-	64	54	o	o	o				
	Karlstad ...	29.70	59	SW	2	o	29.87	+0.6	57	-3	WGW	2	o	-	0.01	70	55	o	o	o				
	Færder (X'ianla Fjord)	29.69	61	SSW	4	c	29.84	+0.5	58	-1	S	4	o	3	-	63	57	o	o	o				
	Bodö ...	29.91	62	E	4	c	29.88	-0.1	69	+6	E	4	bc	2	-	69	59	o	o	o				
	Christiansund ...	29.72	54	NW	1	f	29.78	+0.3	55	+1	-	0	o	2	0.12	55	52	o	o	o				
	Skudesnaes ...	29.81	51	N	4	o	29.88	+0.2	52	+2	N	4	o	2	-	?	50	o	o	o				
	The Scaw (Skagen) ...	29.77	57	W	5	o	29.87	+0.4	58	-3	SEW	3	o	1	-	64	52	o	o	o				
Blaavands Huk ...	29.83	56	WNW	1	o	29.89	+0.3	59	+1	WNW	1	bc	1	-	61	54	o	o	o					
GERMANY, &c.	Cuxhaven ...	29.82	58	N	2	b	29.88	+0.2	58	+3	NE	2	b	0	-	61	52	o	o	o				
	The Helder ...	29.83	60	NE	2	b	29.93	+0.4	58	+1	NNE	2	bc	0	-	63	54	o	o	o				
	Brussels ...	29.78	57	NNE	1	b	29.88	+0.4	53	-2	WNW	1	f	0	0.01	67	46	o	o	o				
	Berlin ...	29.82	64	-	0	bc	29.85	+0.2	64	+6	E	1	b	-	-	70	52	o	o	o				
	Frankfurt ...	29.80	55	-	0	T	29.80	+0.2	56	+4	NE	1	o	-	0.16	61	52	o	o	o				
Munich ...	29.84	52	NW	3	r	29.82	-0.1	51	-3	SW	3	r	-	0.35	66	50	o	o	o					
FRANCE.	C. Grs Nez ...	29.82	59	W	2	c	29.92	+0.5	59	+2	N	4	o	2	0.04	68	57	o	o	o				
	La Hève ...	29.86	58	NW	3	r	29.95	0.0	56	+1	N	4	m	3	0.08	64	52	o	o	o				
	Brest (St. Mathieu) ...	29.98	58	WNW	4	o	30.07	+0.3	57	0	NNW	2	o	2	-	59	55	o	o	o				
	Lorient (Bea Melen) ...	29.94	57	NW	4	o	29.98	+0.3	57	+2	WNW	3	o	3	-	61	52	o	o	o				
	Rochefort (Ile d'Alx) ...	29.97	60	NW	4	o	30.01	+0.2	59	+1	NW	4	o	-	-	64	55	o	o	o				
	Biarritz ...	30.08	63	WNW	4	o	30.07	+0.2	63	+1	WNW	4	bc	4	0.08	66	57	o	o	o				
	Paris ...	29.78	64	NNW	2	o	29.91	+0.5	56	0	NNW	2	r	-	0.43	68	52	o	o	o				
	Belfort ...	29.84	54	W	4	r	29.84	0.0	52	-2	W	4	o	-	0.47	58	51	o	o	o				
Lyons ...	29.89	57	-	0	r	29.89	0.0	54	+1	NW	3	r	-	0.39	65	53	o	o	o					
Nice ...	29.76	64	W	2	r	29.68	+0.0	62	0	SW	1	b	3	0.01	72	55	o	o	o					
Perpignan ...	29.95	66	NW	3	o	29.94	+0.0	64	+2	NW	4	o	-	0.16	69	60	o	o	o					
Sanguinaire ...	29.95	67	W	2	o	29.80	0.0	68	0	W	5	o	4	0.55	75	61	o	o	o					
SPAIN, PORTUGAL, &c.	Corunna (8 a.m.) ...	?	62	?	1	b	30.15	+0.0	59	-2	?	1	b	2	-	63	55	o	o	o				

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



GENERAL INFERENCE

WEATHER PROSPECTS.

The barometer is rising generally, with local coast showers and fog, and a very quiet S.W. type is indicated,

FORECASTS FOR THE 24 HOURS NOON FRIDAY

TO NOON SATURDAY

0 {
a
b
1
2 {
a
b
3

light Variable S.W. breezes,
cloudy to fair or fine, local coast
showers and fog; cool, but
temperature rising somewhat.

4 {
a
b

light Variable S.W. breezes; cloudy to
fair or fine, some mist in places; cool, but
temperature rising somewhat

5

Same as Nos. 0 to 3.

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

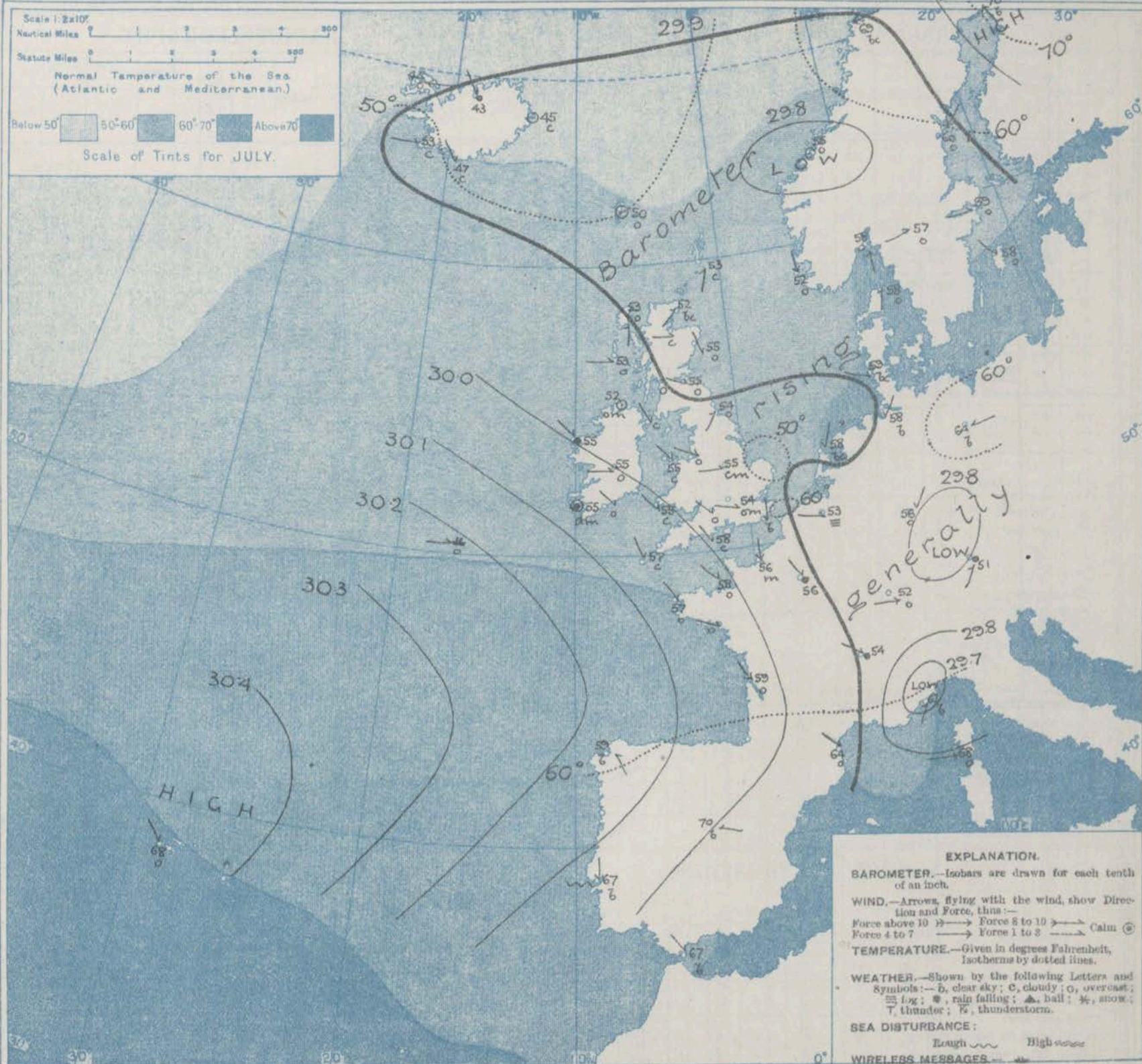
Same as Nos. 0 to 3.

11 WESTERN CHANNEL AND BAY.

light S.W. breezes; sea slight or smooth; fair to dull, local showers and mist; cool.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. FRIDAY, 11th JULY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The distribution of pressure is of an unusual character. An extensive anticyclone lies beyond our western and south-western coasts, but the rest of the region under observation is covered by a vast and very shallow depression. The barometer is 30.2 in. at the Azores, and 29.4 in. on the coast of Norway. In the Arctic region there is an anticyclone, with the barometer at 30.2 in. near Spitzbergen. The gradient is very slight.

Light variable breezes are reported in all regions, mainly N.W. over this country and France.

At the home stations temperature ranges from 49° at Yarmouth to 61° at Dover; on the Continent there is a marked reversal, the values ranging from 51° at Brest and 52° at Belfort, in the south, to 69° at Bodo, and 70° at Haparanda, along the Arctic Circle; in Iceland from 43° to 50°. Throughout our area the sky varies from cloudless to overcast. Rain is falling in the west west of Ireland, and locally on the Continent and in Iceland. The atmosphere is foggy on the east coast of England and at Brussels. The sea is slight to very smooth.

DAILY WEATHER REPORT.

Friday, 11th July 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).			
11th 7 a.m.	50	17	<u>Oceanic</u>	O	30.21	+0.1	W	1-3	0	10th 7 a.m.	48	22	<u>Olympic</u>	H	30.44	-0.2	WNW	1-3	0		
10th 6 p.m.	49	21	<u>Laconia</u>	O	30.37	+0.1	NW	4-5	0	"	"	50	16	<u>Cedric</u>	H	30.28	-1.0	NW	1-3	0	
"	"	48	16	<u>Olympic</u>	H	30.25	-1.03	NW	1-3	"	"	50	16	<u>Laconia</u>	O	30.25	+0.3	NW	4-5	m	
"	"	51	12	<u>Cedric</u>	H	30.09	-0.5	NW	1-3	0	"	"	55	12	<u>Mongolian</u>	O	29.89	.00	NW	4-5	0
										"	"	55	11	<u>Sictorian</u>	H	29.96	-0.4	NW	4-5	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.	Oban	0.02	55	50	ad.c	ay.d.	0.0	England, S.E.	Margate	0.04	67	54	bc	b	6.2
	Stonehaven	0.03	60	44	do.c	bc.z	3.4		Ramsgate	0.03	63	54	*	*	6.6
	St. Andrews	-	66	47	*	c.bc.	1.0		Folkestone	0.04	66	55	bc.o	bc.or	1.7
	Carnoustie	-	62	50	*	*	0.8		Littlestone	-	*	*	*	*	1.5
Engl. N.E.	Harrogate	-	60	45	a.o	o	0.2		Hastings	0.17	63	51	o.c	or.o	0.8
	Scarborough	-	57	50	af	of	0.0		Bexhill-on-Sea	0.28	61	55	c.or	r.o.	0.8
England, N.W.	Blackpool	-	59	54	o	c	1.3		Eastbourne	0.32	63	58	or.bc	eg	0.6
	Southport	0.25	58	54	o	o.bc	1.7		Seaford	0.32	65	55	or	or	1.6
	Buxton	0.11	56	49	bc.b	bc.	0.1		Brighton	0.67	63	54	o.c.or	r.or	1.1
	Leamington Spa	0.04	63	55	o	o	0.0		Worthing	0.96	63	55	o.c	r.tl.r	0.9
	Douglas	0.01	57	50	ag	c.o	1.0		Littlehampton	0.17	*	*	*	*	0.7
	Malvern	0.01	57	53	bc.o	o	0.2		Southsea	0.26	63	50	c.b.o	or.o	0.2
	Rhyl	-	58	52	bc	bc.c	0.3		Bournemouth	0.16	63	52	or	c.o	0.5
Wales.	Colwyn Bay	-	61	52	o	o.bc	0.4		Ryde	0.19	63	58	*	*	0.0
	Llandudno	-	61	52	o	o.bc	0.4		Exmouth	0.11	64	54	bc	c.bc.	5.0
	Bettws-y-Coed	-	56	53	a.c.	c.o.c	0.3		Falmouth	-	62	54	o	o.c.	3.7
	Aberystwyth	-	56	53	a.c.	c.o.c	0.3		Weymouth	-	68	53	c	c	0.9
England, E.	Lowestoft	-	?	43	c.bc.b	bc.o	1.7		Teignmouth	-	65	55	bc	bc	5.0
	Felixstowe	0.06	63	55	c.bc	bc.m.o	7.4		Torquay	0.02	65	52	bc	bc	4.3
	Walton-on-Naze	-	62	55	c.bc	c	3.8		Paignton	-	66	53	c.bc	bc	5.5
	Southend-on-Sea	0.15	66	54	bc	bc.p	2.5		Ilfracombe	-	59	55	o.c	c.o	1.0
									Weston-super-Mare	-	64	55	c.bc	c.bc.k	1.0

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 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.) ...	94	72	66	53	47	0.82	o.c	rb.o	or.o	0.0	Dublin to 4 p.m.	in.	61	53	52	pc.o	o	o	Ha.																			
City (Runhill Row) ...	*	*	*	*	*	*	*	*	*	0.0	Plymouth to 9 p.m.	-	63	52	49	c.b	o	c.b	3.																			
Westminster (St. James's Pl.)	98	81	66	54	50	0.02	bcu	oer.d	bc.z	0.2	Darwen	0.07	57	51	51	our	our	0.6																				
Camden Sq. (Brit. Rainfall)	90	71	66	52	51	0.20	o	o.tl.r	c.bc	0.1	Manchester	0.08	59	54	*	c.or	o	o.c.b	1.1																			
Hampstead (Reservoir) ...	*	77	65	50	43	0.09	o	at.tl.r	bc.	0.3	Birmingham	0.27	59	53	52	r	r.o	c	0.																			
Kew. (See front page.)											Oxford to 8 p.m.	*	63	54	50	c.o	court	our	*																			
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																																						
Total.			Mean Rate.			Max. Rate.																																
S. Kensington (Roof of M.O.)			666 Joules.			11.4 Milliwaits.			60 Milliwaits.			0.2			S. Kensington (Museum Grounds to 6 p.m.)			0.04			63			54			50			c.d			c.c.m.			outl.p.		

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

11th July 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 3.44 3.45	G.M.T. 11.58 11.58	G.M.T. 8.13 8.12
Greenwich	3.57 3.58	12.5 12.5	8.13 8.12
Wick	3.23 3.25	12.17 12.17	9.10 9.9
Valencia	4.35 4.36	12.46 12.46	8.58 8.57

NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature failed to reach 60° in many parts of this country, but it touched 68° at Weymouth. At many stations there were light showers but in the south-east there were local thunderstorms, some of which produced very heavy falls of rain, $\frac{3}{4}$ in. at Greenwich, an inch at Worthing. At Lewisham 0.72 in. of rain and hail fell in 27 minutes. As a rule there was very little or no bright sunshine, but Lowestoft registered 9 $\frac{1}{4}$ hr., and Yarmouth 10 $\frac{1}{2}$ hr. As far west as the 25th meridian ships experienced light to moderate N.W. S.E. breezes, with cloudy or overcast skies and local mist.

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.

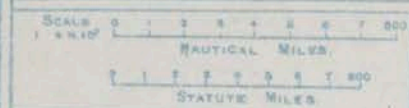
Saturday,
12th July, 1913.

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.	Direc.	Force (0 to 12).			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).	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.	F.				In.	F.						In.	F.	F.				Hours				
BRITISH ISLANDS.	Lerwick	29.92	55	SSW	2	c	29.95	+.03	54	+1	SSE	2	c	1	64	55	cm	c	cp	*				
	Stornoway	29.94	59	W	2	c	29.93	-.01	55	+2	S	1	o	1	60	52	o.c.o	o.c	o	2.0				
	Castlebay (Barra Isd.)	29.95	53	S	2	fd	29.92	-.03	53	0	S	2	op	2	63	52	o	odf	odf	0.4				
	Glasgow	29.96	59	SW	3	bc	29.97	+.01	55	+2	SW	1	o	*	63	53	o.c.bc	b.bc.c	b.c.c	8.9				
	Malin Head	29.97	55	SW	2	ome	29.94	-.03	54	+2	SW	3	c	2	60	51	omp	omp	omp	*				
	Blackod Point	30.04	56	NW	1	o	29.95	-.04	55	0	W	1	o	1	60	52	ompd	ompd	ompd	*				
	Valencia	30.09	57	WNW	3	c	30.00	-.01	55	0	S	1	m	3	60	54	omp	o.c	ompd	0.7				
	Roche's Point	30.05	63	-	0	c	30.03	-	56	0	SW	1	o	2	64	55	ag	ag.c	c.o	*				
	Birr Castle	30.02	62	NW	2	c	29.99	-	55	0	S	1	m	*	62	54	c	c	em	1.5				
	Donaghadee	29.97	58	SW	1	md	29.97	-.02	54	+2	WNW	1	odm	1	61	55	ompd	ompd	ompd	*				
	Liverpool Obsy.	30.02	58	WNW	2	c	29.98	-.01	56	+1	SSE	1	o	1	60	54	o.c	bc	ag	6.0				
	Holyhead	30.02	56	SW	2	of	30.00	-.02	56	+1	W	2	c	1	60	54	b.c.c	ov.c.c	r.b.c	2.6				
	Pembroke (St. Ann's Hd.)	30.03	56	SW	2	c	30.02	-.01	55	0	WSW	1	em	1	61	55	c	c	c	2.2				
	Newquay	30.06	60	W	1	b	30.03	-.03	57	-2	SW	1	gf	1	62	55	b.v	b.bc	b.o	9.5				
	Scilly (St. Mary's)	30.05	59	WNW	1	cm	30.04	-.01	55	-2	-	0	c	2	63	54	c	em	em	0.8				
	Jersey (St. Aubin)	30.08	63	WNW	3	b	30.10	+	59	+1	W	3	b	3	65	53	c	bc	b.	8.4				
	Portland Bill	30.02	60	W	1	b	30.05	+0.01	59	+1	W	1	bc	2	64	57	c	bc	b.c	*				
	Dungeness	30.01	61	SSE	2	c	30.05	+0.01	59	+2	SSW	3	c	2	66	55	o.bc	bc	b.c	*				
	Dover	30.02	60	SE	1	c	30.06	+	58	-3	SW	2	c	2	69	56	b	b.c	o.c	10.2				
	Wick	29.95	53	ESE	1	c	29.94	-.01	53	+1	SSE	2	c	1	60	51	omp	ompd	em	*				
	Nairn	29.92	60	ESE	2	bc	29.93	+	55	+1	-	0	c	1	62	46	bc	b.c	eg	5.3				
	Aberdeen	29.95	58	E	1	c	29.94	-.01	54	-1	-	0	b	1	62	51	o.c	c.b.c	c.o	1.3				
	Leith	29.93	64	W	2	b	29.93	-.01	58	+3	W	2	ag	*	67	52	ag	c.b.c	b	*				
	North Shields	29.96	59	NE	1	c	29.99	+.03	58	+4	SW	1	c	2	64	54	o.c	c	o.c	1.0				
	Spurn Head	29.96	60	SE	2	f	30.00	+0.01	60	+10	W	1	co	2	60	48	em	br.c	o.c	2.7				
Yarmouth	30.00	61	SSE	2	bc	30.01	+.01	60	+11	S	2	bc	1	64	49	bc	bc	c.b.c	9.7					
Clacton-on-Sea	30.00	61	SSE	2	c	30.03	+0.01	61	+8	SW	1	c	1	66	52	o.b.c	b.c	c.b.c	6.1					
Nottingham	29.98	65	W	3	b	30.02	+	58	+3	SW	1	em	*	67	54	em	b.c	b.c	5.6					
Bath	30.02	67	W	2	b	30.05	+	59	+1	W	-	o	*	68	55	o.c	o.b	b.c	2.4					
London (Kew Obsy.)	30.01	66	NW	1	cm	30.05	+0.01	60	+6	NW	1	om	*	67	52	b.c	o.c	em	4.1					
ICELAND, FAEROE, &c.	Spitzbergen																							
	Isafjord	29.99	43	E	4	r	30.06	+0.04	42	-2	E	5	o	*	*	*	*	*	*					
	Reykjavik	29.85	52	N	8	b	29.89	+.04	46	-7	N	8	b	*	*	*	*	*	*					
	Vestmanna	29.81	53	-	0	c	29.84	+0.04	47	+	NNW	4	b	0	*	*	*	*	*					
	Seydisfjord	29.82	48	NE	3	o	29.82	+0.02	46	+1	W	3	o	*	*	*	*	*	*					
SCANDINAVIA.	Thorshavn	29.88	54	WSW	2	o	29.84	+0.01	50	0	S	2	o	*	*	*	*	*	*					
	Haparanda	29.98	71	-	0	b	30.04	+0.01	70	0	S	4	b	*	64	50	*	*	*					
	Hernösand	29.93	65	-	0	b	29.97	+0.04	64	+4	-	0	r	*	66	59	*	*	*					
	Stockholm	29.83	64	NNW	2	o	29.86	+0.02	67	+8	N	2	bc	*	67	59	*	*	*					
	Wisby	29.79	55	N	2	o	29.78	-.01	60	+2	NNE	4	b	*	63	52	*	*	*					
	Karlstad	29.90	68	-	0	b	29.91	+.01	65	+8	NNE	2	o	*	72	57	*	*	*					
	Færder (X'lania Fjord)	29.91	60	SSW	1	b	29.96	+0.01	59	+1	-	0	m	1	61	55	*	*	*					
	Bodö	29.87	68	E	1	c	30.04	+0.04	53	-16	SW	1	r	1	65	52	*	*	*					
	Christiansund	29.97	55	-	0	c	30.02	+0.01	55	0	N	1	a	2	55	52	*	*	*					
	Skudesnaes	29.97	55	N	2	b	30.02	+0.01	54	+2	-	0	c	2	57	46	*	*	*					
GERMANY, &c.	The Scaw (Skagen)	29.97	57	NW	1	c	29.97	+0.01	58	0	-	0	bc	0	64	52	*	*	*					
	Blaavands Huk	30.03	57	NNW	2	c	30.06	+0.02	59	0	NW	2	b	1	63	54	*	*	*					
	Cuxhaven	29.98	60	N	2	b	30.03	+0.01	58	0	N	2	o	0	63	55	*	*	*					
	The Helder	30.02	59	N	2	b	30.09	+0.03	59	+1	E	2	b	0	66	58	*	*	*					
	Brussels	30.00	59	NNW	1	c	30.08	+0.04	53	0	SW	1	f	*	69	47	*	*	*					
	Berlin	29.88	66	NE	3	b	29.92	+0.02	60	-4	NNW	4	c	*	75	55	*	*	*					
	Frankfurt	29.94	58	NNW	1	bc	30.05	+0.05	59	+3	-	0	o	*	66	54	*	*	*					
	Munich	29.90	54	SW	4	r	30.03	+0.05	54	+3	W	5	o	*	59	50	*	*	*					
	C. Gris Nez	30.02	63	N	1	bc	30.06	+0.02	59	0	SSW	2	m	2	68	55	*	*	*					
	FRANCE.	La Hève	30.02	58	S	3	m	30.09	+	55	-1	WSW	3	m	3	64	50	*	*	*				
Brest (St. Mathieu)		30.11	61	NW	2	bc	30.10	+0.01	57	0	SW	1	m	1	68	53	*	*	*					
Lorient (Beo Molen)																								
Rochefort (Ile d' Aix)		30.09	60	WNW	3	o	30.11	+0.02	60	+1	WSW	1	b	*	63	54	*	*	*					
Biarritz		30.11	62	NNW	3	o	30.09	-.01	63	0	ESE	1	b	2	64	62	*	*	*					
Paris		29.99	66	NW	2	b	30.10	+0.03	58	+2	-	0	b	*	73	50	*	*	*					
Belfort		29.93	60	W	4	m	30.11	+	47	-3	-	0	f	*	64	46	*	*	*					
Lyons		29.97	59	NW	2	bc	30.08	+	57	+3	N	1	b	*	65	52	*	*	*					
Nice		29.71	62	NE	2	c	29.85	+0.07	69	+7	-	0	b	2	75	55	*	*	*					
SPAIN, PORTUGAL, &c.		Perpignan	29.97	67	NW	4	b	30.05	+0.02	65	+1	W	3	b	*	71	59	*	*	*				
	Sanguinaire	29.76	67	W	4	m	29.82	+	68	0	SE	1	m	4	73	61	*	*	*					
	Corunna (S.a.m.)	30.12	63	NNW	3	b	30.01	-.04	63	+4	NE	1	f	3	64	57	*	*	*					
	Lisbon (S.a.m.)	29.88	79	NW	4	b	29.83	+0.02	73	+6	N	4	b	2	88	67	*	*	*					
	Gibraltar																							
	Azores (Horta S.a.m.)	30.40	68	NNW	2	c	30.32	-.02	68	0	-	0	o	*	75	66	*	*	*					
Madeira (Funchal)	30.05	68	NNE	2	o	30.00	+0.01	69	0	NNE	2	bc	3	70	55	*	*	*						

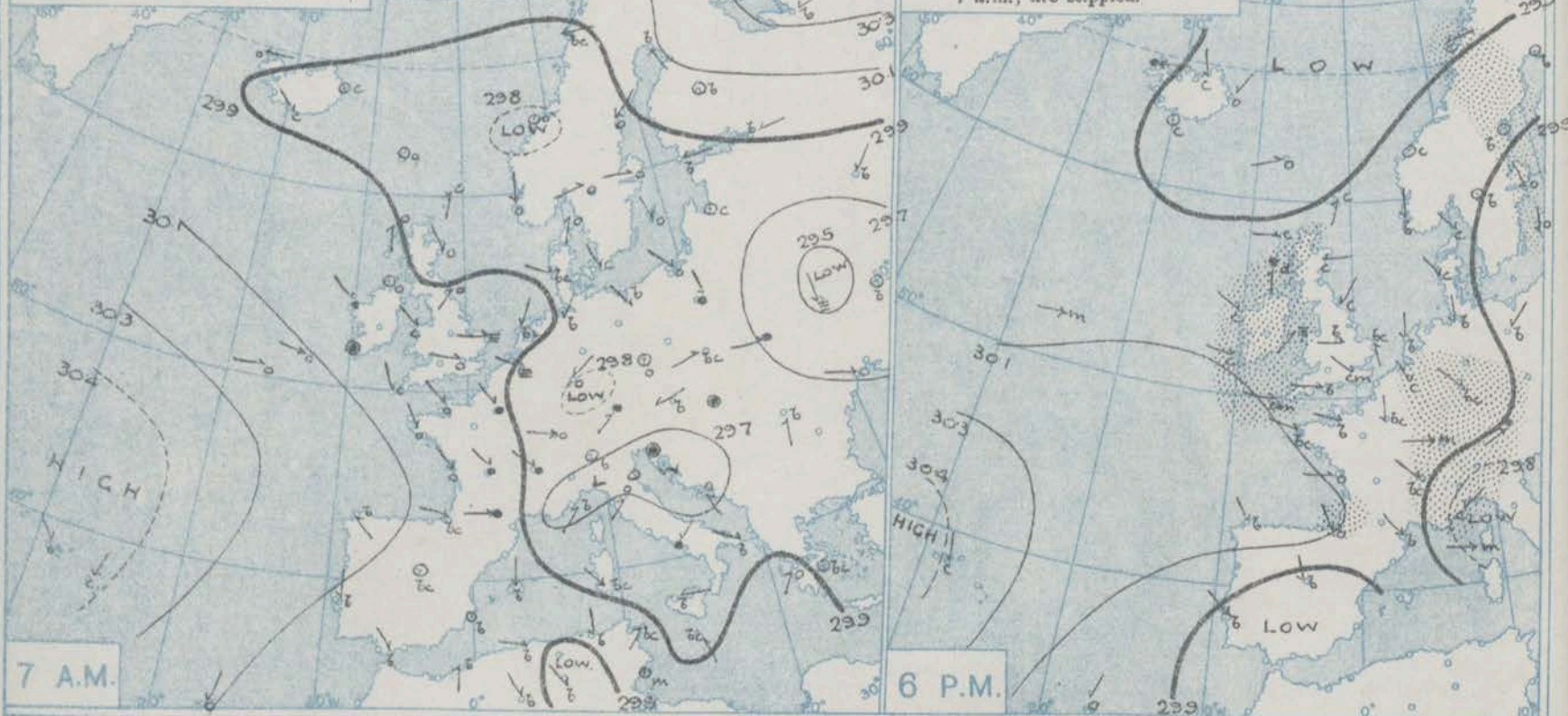
* Information for these columns not usually received.

† Received too late for insertion in Charts.

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



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.

There are indications of the existence of a shallow low pressure system over the upper Atlantic. It is expected to

occasion a somewhat less settled type of conditions over this country within the ensuing twenty-four hours.

FORECASTS FOR THE 24 HOURS NOON

TO NOON

0 {
a
b

1 Light variable breezes

2 {
a between West and
b South; fair or fine

3 to dull, local showers

4 {
a and thunder; some increase
b of temperature, air close.

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
b

7 {
a
b

8 {
a
b

9 {
a
b

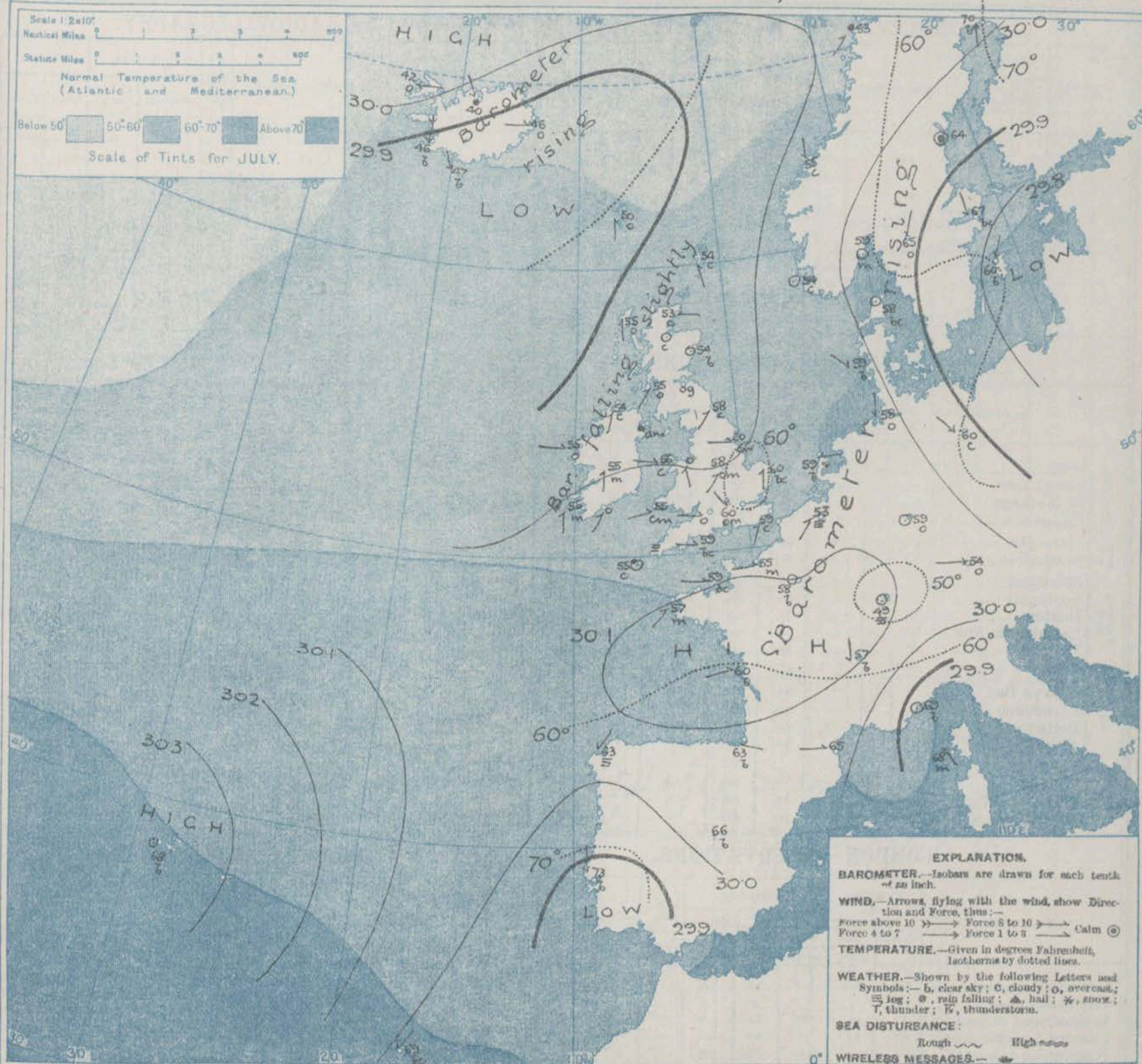
10 {
a
b

Same as Nos. 0 to 5.

11 WESTERN CHANNEL AND BAY. Lightly and South-easterly breezes; smooth sea; fair or fine to dull, local showers, mist or fog; cool.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. SATURDAY, 12TH JULY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The area of high pressure has taken up a more southerly position, and now extends westward from France, the highest pressure being 30.3 in. at the Azores. There are some indications of an anticyclone over the Greenland region. In depressions situated on the Baltic and between the Hebrides and Iceland the barometer is at about 29.4 in. The gradient is slight in all regions.

Fresh winds to a gale are reported in the north and west of Iceland, but elsewhere

calms and light breezes prevail, the direction being very variable. At the home stations temperature ranges from 53° at Castabay and Slick to 61° at Clacton, on the Continent from 49° at Relfort, and 53° at Bode and Brussels to 69° at Olise, and 70° at Haparanda, and in Iceland from 40° to 47°. The sky is cloudless over Southern France, but in other districts it is mostly very cloudy to overcast, rain falling at a few isolated home and foreign stations. The sea is slight to very smooth everywhere.

DAILY WEATHER REPORT.

Saturday, 12th July 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	Outward. H = Homeward	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	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.	
11th 6 p.m.	52	25	California	H	29.98	-0.1	W	4-5	m										
" 7 a.m.	51	14	Dominion	O	30.10	0.0	WNW	4-5	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 ...	...	58	50	c	c.b.	6.0	England, S.E.	Margate ...	...	68	56	b	b	9.0
	Stonehaven ...	...	60	51	cg	e	2.3		Ramsgate ...	...	66	54	b.b.c.	o.b.c.	12.1
	St. Andrews ...	...	66	51	b.c.	e	3.4		Folkestone ...	0.03	68	54	b.b.c.	o.b.c.	8.1
	Carnoustie ...	...	61	51	q	q	6.0		Littlestone ...	...	66	52	q.b.c.	b.b.c.	7.4
England, N.E.	Harrogate ...	...	65	49	c.o.b.	b.c.b.	5.9	England, S.E.	Hastings ...	0.06	66	52	q.b.c.	b.c.	7.5
	Scarborough ...	...	59	49	o.c.	c.b.	5.3		Bexhill-on-Sea ...	0.07	69	52	b.b.c.	b.c.	10.5
England, N.W.	Blackpool ...	...	61	54	o.c.	o	2.4	England, S.E.	Eastbourne ...	0.05	66	51	b	b.c.c.	9.0
	Southport ...	...	60	54	c.b.c.	b.c.o.	5.2		Seaford ...	0.04	68	51	b	b.c.	7.1
	Buxton ...	...	61	48	b	b.c.	6.7		Brighton ...	0.13	67	50	b.c.	b.c.o.	7.2
	Leamington Spa ...	0.07	66	49	o	c	3.2		Worthing ...	...	67	50	b.b.c.	b.c.o.	6.3
Wales.	Douglas ...	0.02	58	51	v	d	5.0	England, S.W.	Littlehampton ...	...	69	46	b.c.b.	b.c.b.	10.7
	Malvern ...	...	60	53	b.c.	b.c.	4.6		Southsea ...	0.03	69	46	b.c.b.	b.c.b.	6.0
	Rhyl ...	...	61	53	b.b.c.	b.b.c.	3.0		Bournemouth ...	...	68	52	c	c.c.c.	12.0
	Colwyn Bay ...	...	64	53	c.b.	c.o.	3.4		Ryde ...	...	67	50	c.b.c.	b.c.b.	6.5
England, E.	Llandudno ...	...	65	52	c.b.c.	b.c.	2.8	England, S.W.	Exmouth ...	...	69	57	o.b.c.	c.b.g.	7.4
	Bettws-y-Coed ...	...	62	54	c.b.c.	b.c.o.	5.5		Falmouth ...	...	69	53	c.b.c.	b.c.b.	4.3
	Aberystwyth ...	...	62	54	c.b.c.	b.c.o.	5.5		Weymouth ...	...	70	56	b	b.c.b.	5.6
	Lowestoft ...	...	64	49	b.c.f.	b.c.m.	8.0		Teignmouth ...	...	68	54	b	b	4.1
England, E.	Felixstowe ...	...	65	49	b.c.g.	b.c.g.	6.9	England, S.W.	Torquay ...	...	69	54	b	b	4.8
	Walton-on-Naze ...	0.02	65	49	b.c.g.	b.c.g.	6.9		Paignton ...	...	62	56	c.b.c.	b.c.b.	8.5
	Southend-on-Sea ...	...	70	52	b	b	5.5		Ilfracombe ...	...	66	55	b.c.b.	b.c.b.	6.0

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.						
	%	%	F.°	F.°	F.°	In.			
Greenwich (Royal Obs.) ...	67	63	69	50	39	-	o.c	b.c	c.o
City (Bunhill Row) ...	*	*				*			
Westminster (St. James's Pk.)	51	69	69	53	46	-	6c	6c.m	6c
Camden Sq. (Brit. Rainfall)	65	58	71	51	49	-	6c	c	c
Hampstead (Reservoir) ...	*	70	66	54	43	-	c	c	o
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.						
			Total.		Mean Rate.		Max. Rate.		
S. Kensington (Roof of M.O.)	74	76	1256 Joules.		21.4 Milliwatts.		65 Milliwatts.		

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.	
		Max.	Min.	Night.	Fore- noon.	After- noon.	
Dublin to 4 p.m.	0.01	61	54	53	o.p.	o.g.	4.5
Plymouth to 9 p.m.	...	69	55	50	c.b.	c.b.	4.5
Darwen	0.02	63	50	50	o.w.	o.w.	4.5
Manchester	...	66	50	43	o.c.	a	1.5
Birmingham	...	66	50	43	o.c.	a	1.5
Oxford to 8 p.m.	...	69	48	43	m.b.c.	b.c.o.	...
S. Kensington (Museum Grounds to 6 p.m.)	...	68	53	48	o.d.	b.b.c.	...

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

12th July 1913.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	3.45	11.58	8.12
	3.46	11.58	8.11
Greenwich ...	3.58	12.5	8.12
	3.59	12.5	8.12
Wick ...	3.25	12.17	9.9
	3.27	12.17	9.8
Valencia ...	4.36	12.46	9.57
	4.37	12.46	9.56

NOTES ON YESTERDAY'S WEATHER.

During yesterday the temperature over this country showed some improvement, many stations reporting from 65° to 70°. There were slight showers in the north and west. The duration of bright sunshine ranged from less than an hour at a few western stations to 12 hours at Ryde and Ramsgate. As far west as the 25th meridian ships experienced light to moderate S.W. breezes, and due to misty 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 wrapping.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Sunday,
13th July, 1913.

913.

WEATHER.

Sunshine to 6 p.m.

Hr. 9.9
12.1
8.1
7.4
7.5
10.5
9.0
7.1
7.2
6.5
10.7
6.0
12.0
6.5
7.4
4.5
5.5
6.1
8.5
6.0

day.

Sunshine for Yesterday.

Hr. 4.8
4.3

1.8

0.0

cg

show

ght

station

d d

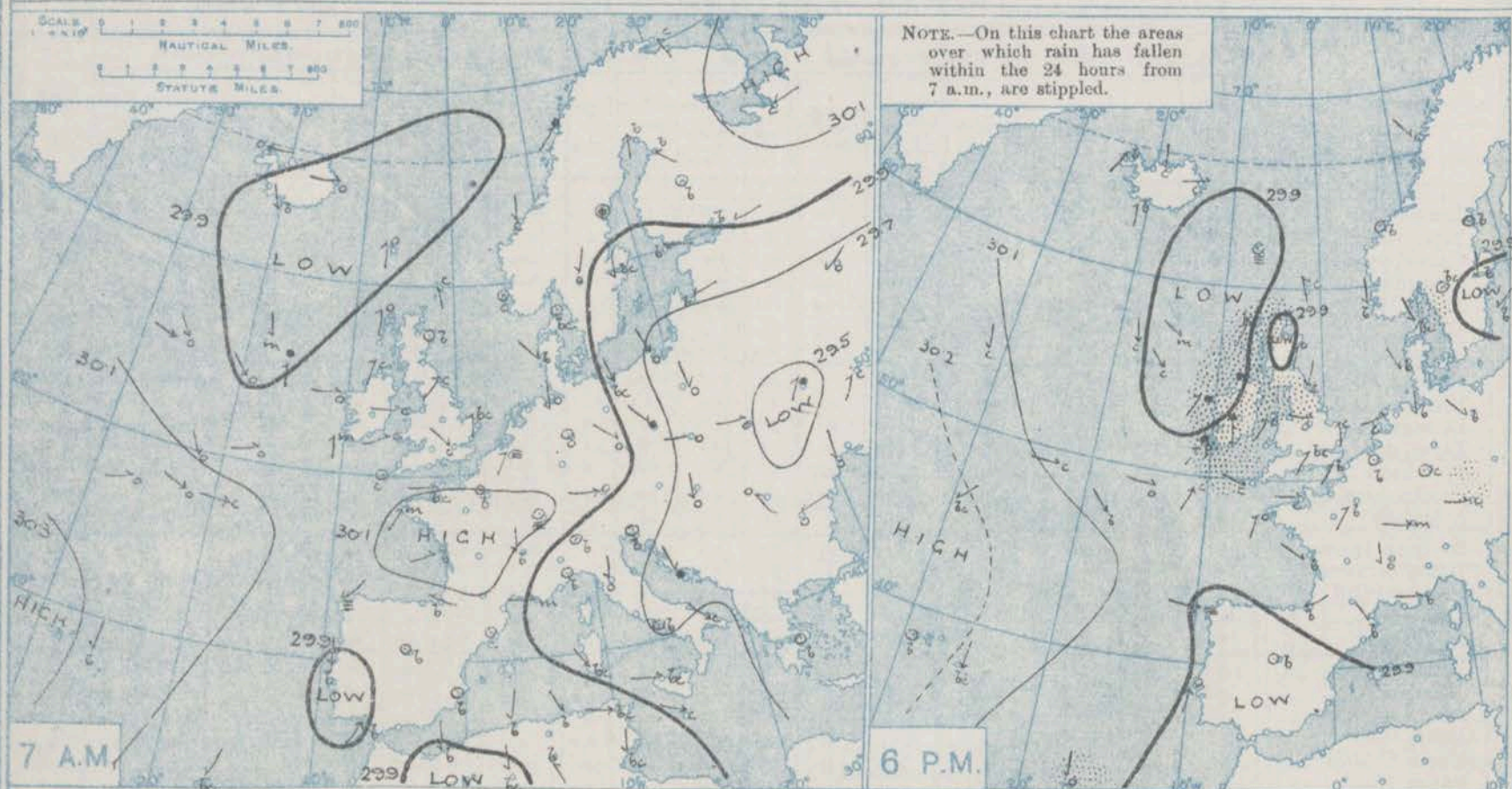
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STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun- shine for Yester- day.
		BAROM.		TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.					
		At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Direc.	Force (0 to 12).	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).	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. 29.96	F. 57	SSE	3	c	In. 29.98	In. 00	F. 55	+1	E	2	c	1	-	In. 59	F. 52	F. cm	m	om	*			
	Stornoway	29.90	60	SW	2	bc	29.91	+01	55	0	-	0	c	0	trace	62	53	o.c	bc	c.o.c.	2.8			
	Castlebay (Barra Isd.)	29.88	55	SSE	2	o	29.87	00	54	+1	E	2	dpn	2	0.02	57	53	dp	dp	dpn	0.1			
	Glasgow	29.91	59	SW	1	o	29.92	00	58	+3	E	1	bc	*	-	61	54	c	c.bc	c.c.bc	1.4			
	Malin Head	29.87	56	NNE	1	dp	29.86	00	56	+2	NNE	1	o	1	0.05	59	52	om	om	om	*			
	Blacksod Point	29.85	58	SW	1	r	29.89	+02	55	0	SW	1	r	1	0.20	59	54	ot	om	om	*			
	Valencia	29.91	58	SW	3	m	29.96	+03	56	+1	W	1	o	3	0.00	61	55	om	om	om	0.1			
	Roche's Point	29.95	59	SW	3	o	29.95	*	59	+3	WSW	1	c	2	trace	60	56	o	dpn	o.c.	*			
	Birr Castle	29.88	61	S	2	r	29.91	*	57	+2	SSW	2	c	*	0.10	62	54	ot	m.ot	d.r.c.	0.3			
	Donaghadee	29.92	57	S	1	o	29.90	+01	57	+3	S	1	f	1	0.11	59	54	c	om	om	*			
ICELAND, FAEROE, &c.	Liverpool Obsy.	29.97	58	-	0	o	29.96	+01	59	+3	S	1	b	1	0.03	62	53	o.bc	c.o.d	bc.b	2.1			
	Holyhead	29.95	57	SW	3	omg	29.93	00	55	-1	SW	2	f	1	0.03	60	55	om.c	c.ong	cd.f	1.0			
	Pembroke (St. Ann's Hd.)	29.96	56	SW	3	c	29.97	-02	56	+1	SW	3	cm	3	0.06	59	58	om	c	c	0.0			
	Newquay	30.00	59	W	1	o	30.02	+01	58	+1	SE	1	o	1	-	62	55	og	acg	over	0.1			
	Scilly (St. Mary's)	30.01	57	WNW	2	c	30.01	+02	58	+3	WNW	1	om	2	0.01	63	55	c	c	c	3.2			
	Jersey (St. Aubin)	30.07	62	W	3	og	30.08	*	61	+2	W	1	b	0	-	66	54	c.o.bc	c.o.	c.c.	2.4			
	Portland Bill	30.03	58	SW	4	bc	30.06	+02	57	-2	SW	3	c	3	-	63	56	bc	c.bc	c*	*			
	Dungeness	30.03	61	SW	3	b	30.05	+01	59	0	SSW	3	o	3	-	65	57	c.bc	c.b.	c	*			
	Dover	30.03	60	SW	3	b	30.06	*	58	0	SW	3	c	3	-	63	53	cm.bc	b	bc.c	11.3			
	SCANDINAVIA.	Wick	29.89	56	ESE	2	o	29.91	00	53	0	-	0	fe	2	trace	58	52	om	om	om	*		
Nairn		29.88	63	ENE	1	c	29.90	*	59	+4	-	0	bc	1	0.01	65	49	o	gc	bc	0.2			
Aberdeen		29.90	62	SSW	1	o	29.91	+01	56	+2	-	0	o	1	-	65	53	bz	bz.c	c.o.	7.5			
Leith		29.90	61	WSW	2	o	29.91	+01	59	+1	SE	1	c	*	-	66	52	og	c.og	o	*			
North Shields		29.91	62	NNE	3	c	29.95	00	58	0	-	0	o	2	0.02	65	55	o	c.p.c	c	0.5			
Spurn Head		29.95	68	-	0	c	29.96	+01	60	0	-	0	om	1	-	69	56	om	om	om	2.7			
Yarmouth		29.99	66	S	2	c	30.01	00	60	0	SW	1	b	1	-	67	58	c	c	c.bm	4.3			
Clacton-on-Sea		30.00	64	S	3	c	30.02	+02	59	-2	SW	3	o	2	-	67	55	cm.og	og.c	bc.c	3.7			
Nottingham		29.97	64	W	2	o	29.98	*	61	+3	SW	2	c	*	trace	70	58	c.p	c.o.	o.c.	1.4			
Bath		30.00	65	W	-	o	30.03	*	59	0	SW	-	o	*	-	69	56	o	o	o	0.5			
GERMANY, &c.	London (Kew Obsy.)	29.99	72	SW	3	bc	30.05	+01	59	-1	SW	3	o	*	-	72	54	om.c	c.bw	bc.b	2.9			
	Spitzbergen	29.97	59	SW	5	b	30.03	+01	51	+9	SW	5	bc	*	*	*	*	*	*	*	*			
	Isafjord	29.96	55	N	6	b	30.08	+04	50	+4	-	0	o	*	*	*	*	*	*	*	*			
	Reykjavik	29.96	55	S	1	b	30.10	+03	50	+3	-	0	o	*	*	*	*	*	*	*	*			
	Vestmanna	29.94	55	S	1	b	30.04	+03	52	+6	S	2	o	*	*	*	*	*	*	*	*			
	Seydisfjord	29.87	52	-	0	f	29.96	+02	50	0	-	0	f	*	*	*	*	*	*	*	*			
	Thorshavn	29.87	52	-	0	f	29.96	+02	50	0	-	0	f	*	*	*	*	*	*	*	*			
	Haparanda	30.01	61	-	0	b	30.00	00	67	+3	-	0	b	*	trace	70	54	*	*	*	*			
	Hernösand	29.93	63	N	2	b	29.95	+01	70	+3	NNW	2	b	*	-	73	59	*	*	*	*			
	Stockholm	29.86	60	NE	2	b	29.89	+02	64	+4	N	2	b	*	-	70	54	*	*	*	*			
FRANCE.	Karlstad	29.93	69	-	0	bc	29.95	+02	70	+5	-	0	b	*	-	81	61	*	*	*	*			
	Färder (Xianla Fjord)	29.92	63	SW	2	b	29.95	+03	66	+7	-	0	c	1	-	64	57	*	*	*	*			
	Bodö	30.05	54	NW	1	c	30.10	00	55	+2	N	1	b	2	-	55	52	*	*	*	*			
	Christiansund	30.05	57	-	0	b	30.05	+01	55	0	N	1	c	2	-	59	54	*	*	*	*			
	Skudesnaes	30.04	58	NNW	2	b	29.97	00	57	+3	-	0	o	1	-	57	50	*	*	*	*			
	The Scaw (Skagen)	29.95	60	NW	2	bc	29.99	+02	58	0	W	1	r	0	0.16	63	55	*	*	*	*			
	Blaavands Huk	30.06	58	NW	2	b	30.05	+01	61	+2	WSW	2	b	1	-	63	54	*	*	*	*			
	Cuxhaven	30.04	60	NNW	2	b	30.05	+02	59	+1	SW	1	m	0	-	63	48	*	*	*	*			
	The Helder	30.05	61	WSW	1	c	30.03	00	61	+2	SSW	3	b	0	-	64	52	*	*	*	*			
	Brussels	30.04	61	-	0	b	30.08	+02	64	+11	WSW	1	bc	*	-	70	57	*	*	*	*			
SPAIN, PORTUGAL, &c.	Berlin	29.93	67	NW	3	b	30.02	+04	59	-1	NW	3	c	*	-	73	55	*	*	*	*			
	Frankfurt	30.04	64	-	0	c	30.10	+02	60	+1	-	0	o	*	-	73	55	*	*	*	*			
	Munich	30.05	59	W	3	c	30.13	+02	61	+7	SW	2	b	*	0.04	66	52	*	*	*	*			
	C. Gris Nez	30.04	62	SSW	3	b	30.07	+02	62	+3	SW	3	c	1	-	66	55	*	*	*	*			
	La Hève	30.08	65	-	0	c	30.09	*	61	+6	-	0	m	0	-	72	57	*	*	*	*			
	Brest (St. Mathien)	30.08	61	SSW	1	o	30.08	+01	58	+1	E	1	o	0	-	70	57	*	*	*	*			
	Lorient (Bec Maen)	30.00	62	WSW	1	o	30.03	*	57	+2	W	2	b	1	-	68	52	*	*	*	*			
	Rochefort (Ile d'Alx)	30.05	66	NW	3	b	30.02	+02	63	+3	E	3	b	*	-	72	57	*	*	*	*			
	Biarritz	29.97	75	ENE	3	b	29.93	00	65	+2	ESE	3	b	1	-	75	59	*	*	*	*			
	Paris	30.05	70	SW	2	b	30.10	+02	63	+5	-	0	b	*	-	75	51	*	*	*	*			
PORTUGAL, &c.	Belfort	30.05	68	W	4	m	30.14	*	59	+10	NE	3	m	*	-	73	52	*	*	*	*			
	Lyons	30.04	69	N	2	b	30.11	*	61	+4	-	0	b	*	-	73	53	*	*	*	*			
	Nice	29.93	69	W	1	b	30.04	+06	70	+1	-	0	b	1	-	81	61	*	*	*	*			
	Perpignan	29.99	77	NW	1	b	30.06	+04	68	+3	-	0	b	*	-	81	55	*	*	*	*			
	Sanguinaire	29.99	77	NW	1	b	30.06	+04	68	+3	-	0	b	*	-	81	55	*	*	*	*			

GALES.
Duration and Extreme Force
on British Coasts.

* 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. 12TH JULY



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 Coast.	South Coast.
North Coast.	North Coast.

No warnings Issued.

6 {
a
b

7 {
a
b

8 {
a
b

9 {
a
b

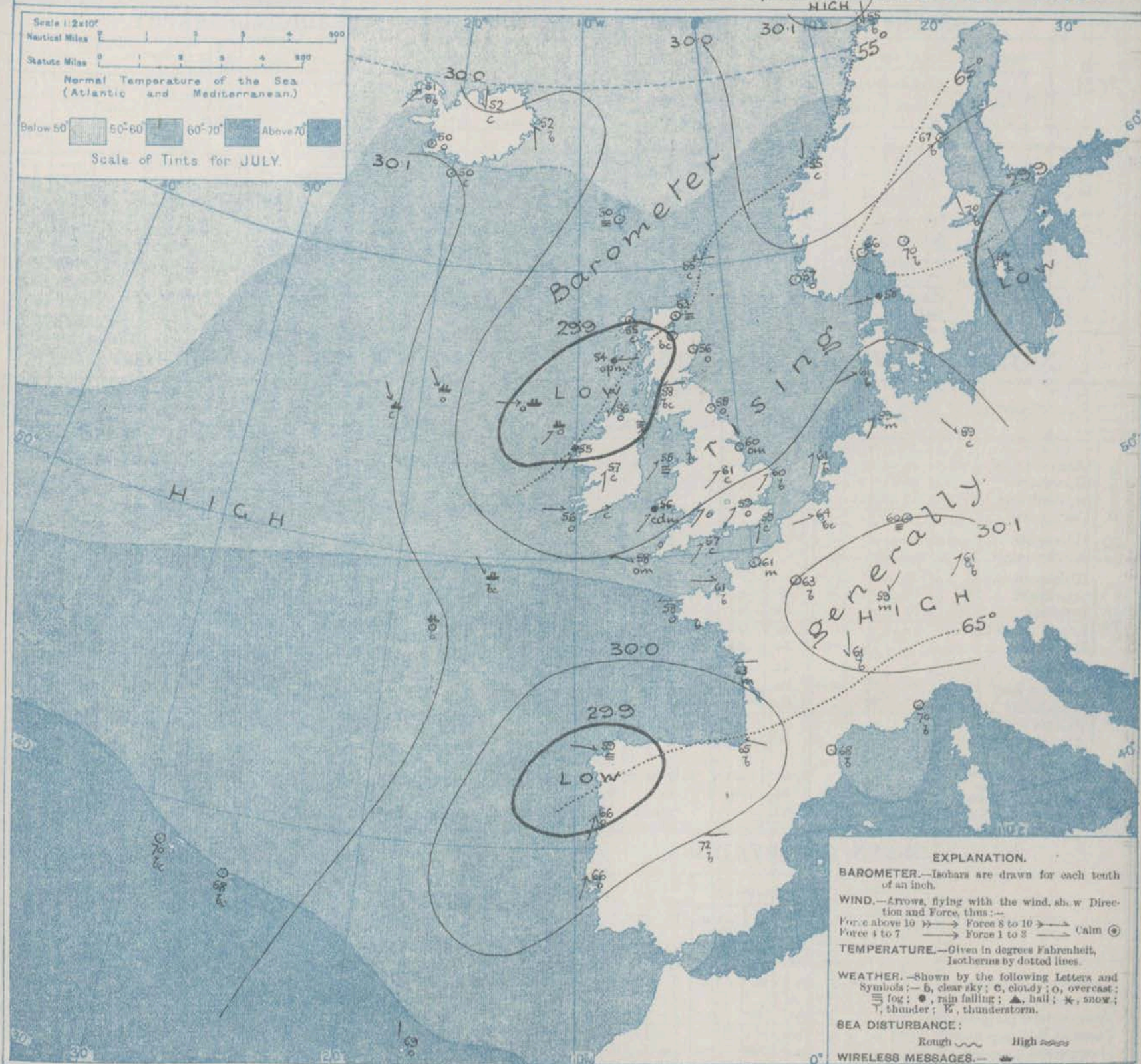
10 {
a
b

None Issued

11 WESTERN CHANNEL AND BAY.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. SUNDAY, 13TH JULY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

A large Anticyclone covers all the more central parts of the North Atlantic, and smaller high pressure systems are reported over Finmark and over South Germany and Central France. Shallow depressions are found respectively over our own extreme north-west coasts, over the north-west of Spain, and over the upper part of the Baltic.

The wind is light from the South or South-west over England, Ireland and the neighbouring parts of the Continent, but is very variable elsewhere. Temperature has risen in most places. Over the United Kingdom the morning readings range

from about 60° on the East coast of England to 54° at Castlebay and 53° at Skish. Readings above 65° are reported over Spain and the South of France, and also in Sweden, the highest being 72° at Madrid and 70° at Kice, Karlstad and Stockholm. The weather is cloudy or dull over the greater part of the United Kingdom, with mist or fog and slight rain, at several places in the west. At the Continental stations the weather is mostly fine, but rain is falling at the Skau. The sea is slight or smooth generally.

DAILY WEATHER REPORT.

Sunday, 13th July, 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.	
12th 6pm.	53	30	Tunisian	O	30.12	-0.01	NW	1-3	c	12th 7am.	54	26	Mongolian	O	29.89	+0.01	NW	6-7	m
" "	48	21	Mesaba	H	30.24	+0.14	?	?	o	" "	54	25	Tunisian	O	29.98	+0.04	NW	4-5	o
" "	49	21	Celtic	O	30.18	+0.02	W	1-3	c	" "	49	21	Dominion	O	30.04	+0.12	NW	4-5	o
" "	35	18	Monmouth	O	29.91	+0.03	NW	4-5	c	" "	48	21	Kronland	O	30.14	0.00	NW	4-5	o
" "	48	17	Kronland	H	30.05	-0.01	NW	4-5	b	" "	53	19	California	H	29.89	-0.01	NW	4-5	o
" "	54	15	California	H	29.89	-0.01	NW	4-5	c	" "	48	18	Minnetonka	H	30.12	-0.04	W	4-5	o
" "	56	14	Lake Manitoba	H	29.81	0.00	NW	1-3	m	" "	50	17	Celtic	O	30.05	-0.01	WSW	1-3	o
" "	49	14	Minnetonka	H	30.04	-0.01	WNW	1-3	o	" "	66	17	Lake Manitoba	H	29.82	0.00	NW	1-3	m
" "	49	10	Monquello	O	29.90	-0.03	SW	4-5	c	" "	55	15	Monmouth	O	29.82	-0.04	S	1-3	r
" 7am.	48	29	Oceanic	O	30.20	+0.01	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.	Oban ...	...	60	52	bcw	bc.c	4.5	England, S.E.	Margate ...	...	73	56	f.b	b	7.5
	Stonehaven ...	...	...	...	...	...	...		Ramsgate ...	...	70	57	"	"	10.8
	St. Andrews ...	...	...	...	...	...	...		Folkestone ...	...	68	56	b.b.c	b	9.3
	Carnoustie ...	...	66	45	-	-	5.8		Littlestone ...	...	...	56	b.c.b	"	10.8
England, N.E.	Harrogate ...	...	67	49	o.c.bc	bc.o	2.2	England, S.E.	Hastings ...	...	65	56	b	b	9.5
	Scarborough ...	...	...	...	...	...	...		Bexhill-on-Sea ...	...	64	55	b	b	9.5
England, N.W.	Blackpool ...	...	...	...	...	...	...		Eastbourne ...	...	65	56	b	b	11.5
	Southport ...	0.10	63	55	o.c.	o	2.1		Seaford ...	...	65	53	e	bc	9.8
	Buxton ...	...	66	51	bc	bc	2.0	England, S.W.	Brighton ...	...	65	52	bc	b	7.5
	Leamington Spa ...	...	70	55	c.b	c.b	2.3		Worthing ...	...	65	51	c.b.c	bc.b	7.1
Wales.	Douglas ...	0.03	60	53	o	c.o	0.7		Littlehampton ...	...	...	...	"	"	6.4
	Rhyl ...	0.01	62	55	o.c.	bc.o	1.2		Southsea ...	...	...	...	"	"	...
	Colwyn Bay ...	0.04	65	55	b	b	2.2		Bournemouth ...	...	69	51	c	c	7.0
	Llandudno ...	...	64	56	c.b.o	o	2.8		Ryde ...	...	68	61	bc	bc	6.6
England, E.	Bettws-y-Coed ...	...	...	...	...	...	...	England, S.W.	Falmouth ...	...	64	57	o	o.b.o	0.8
	Aberystwyth ...	...	60	57	o.c.o	o.c	0.0		Weymouth ...	...	69	54	bc.b	b.b.c	9.0
	Lowestoft ...	...	67	58	c.b.cw	bc.cw	4.9		Teignmouth ...	...	67	52	c	c	0.7
	Felixstowe ...	...	66	57	f.b.cw	cy	3.1		Torquay ...	...	65	52	-	-	1.7
England, E.	Walton-on-Naze ...	...	...	...	...	...	...	England, S.W.	Paignton ...	...	66	50	e	bc.c	1.5
	Southend-on-Sea ...	...	73	58	bc	bc	5.0		Ilfracombe ...	...	60	56	ome.o	o.c	0.0
England, E.	Weston-super-Mare ...	...	...	...	...	...	...	England, S.W.	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.				Night Min. on Grass.	Night.	Fore- noon.	After- noon.				
			Max.	Min.		Max.				Min.		Max.					Min.			
	24 HOURS ENDED 9 A.M. TO-DAY.																			
Greenwich (Royal Obs.) ...	%	%	F.°	F.°	F.°	In.	bc	bc.o	o	Hr.	Dublin to 4 p.m.	In.	F.°	F.°	F.°	op	ov	a.c.	Hr.	
City (Bunhill Row) ...	53	79	76	53	43	-				2.5	Plymouth to 9 p.m.	0.03	64	55	54					
Westminster (St. James's Pl.)	64	87	72	56	50	*	bc	bc	bc.o	1.9	Darwen "	0.01	66	53	53	c.od	ow	on.be	1.7	
Camden Sq. (Brit. Rainfall)	49	75	77	55	52	-	a.c.bc	bc.c	b.c.o	2.2	Manchester "	-	67	55	*	c.o	c	bc.o	0.8	
Hampstead (Reservoir) ...	*	85	74	54	47	-	c	c.c	o	1.5	Birmingham "	-	66	54	49	c.o	c	c	1.5	
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																	
			Total.		Mean Rate.		Max. Rate.													
S. Kensington (Roof of M.O.)	66	89	1501	Joules.	25.7	Milliwatts.	67	Milliwatts.	0.9		S. Kensington (Museum Grounds to 6 p.m.)	-	72	55	43	c.o	a.c	c		

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

13th July 1913.		Sunrise.	Noon.	Sunset.
Yarmouth ...		G.M.T. 3:46 3:47	G.M.T. 11:58 11:59	G.M.T. 8:11 8:10
Greenwich ...		3:59 3:40	12:5 12:6	8:12 8:11
Wick ...		3:27 3:29	12:17 12:18	9:8 9:6
Valencia ...		4:37 4:38	12:46 12:47	8:56 8:55

NOTES ON YESTERDAY'S WEATHER.

The thermometer rose to 70° and upwards at several places in the south and east of England, and reached 73° at Margate and Southend-on-sea; at a few places on our west and extreme north coasts it did not exceed 60°. The amount of bright sunshine was generally small, but between 10½ and 11½ hours were registered on the coasts of Kent and Sussex. Slight rain fell in most of the western districts. Wireless reports show that so far west as the 26th meridian ships experienced light to fresh breezes from the N.W., and dull weather; further to the west the wind was backing to the Southward of 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; 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.

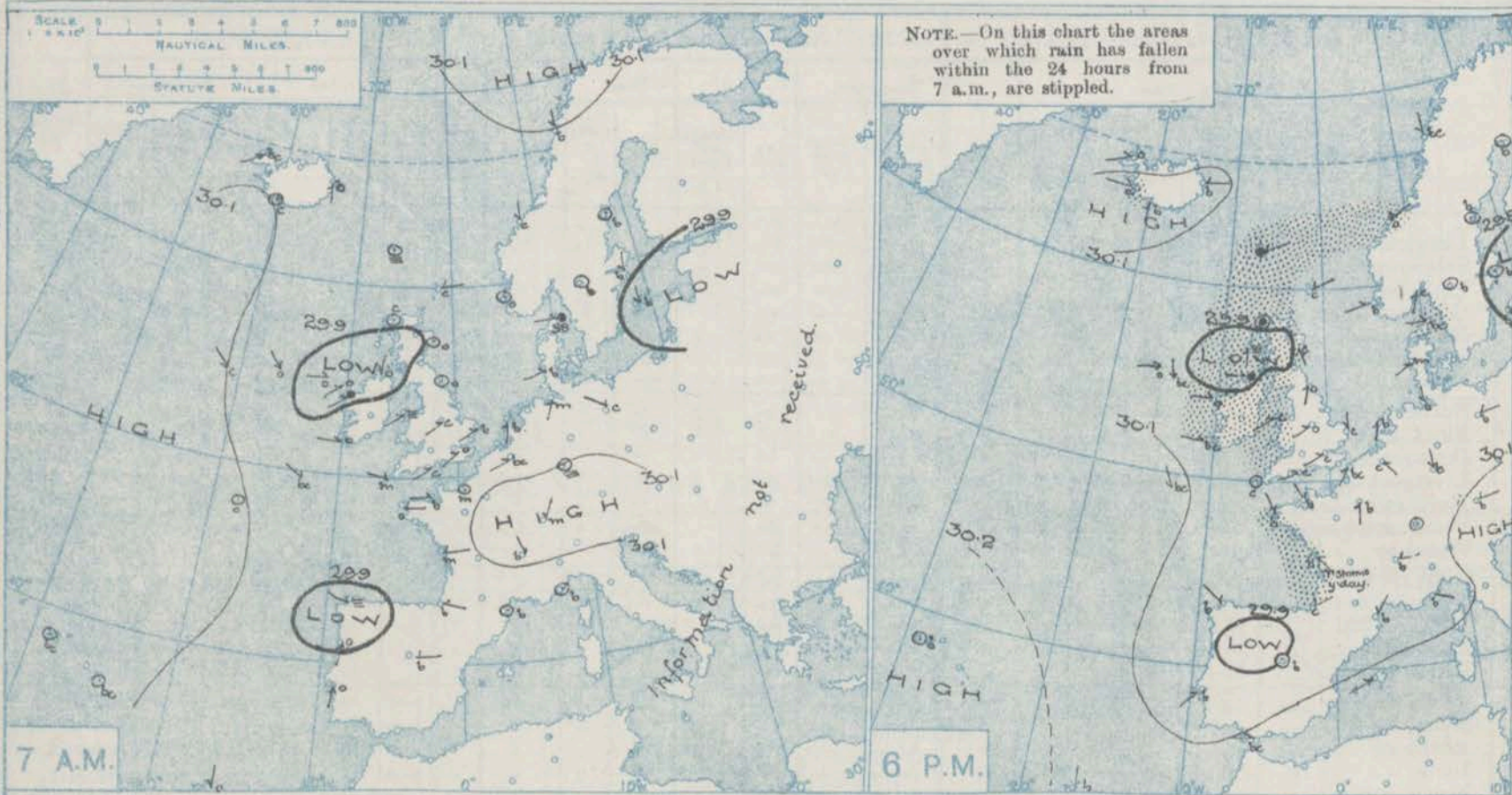
Monday,
19th July 1913.

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.	Dry Bulb.	Foros (0 to 12).		Weather.	At 52° 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'g. 1 p.m. to 6 p.m.	
		In.	F.	Dir.	Foros (0 to 12).	Weather.	In.	F.	Dir.	Foros (0 to 12).	Weather.	Sea (0 to 9).	In.	F.	F.	Dir.	Dir.	Dir.	Hours			
BRITISH ISLANDS.	Lerwick	29.99	57	ENE	3	bc	29.96	-.02	54	-1	ENE	3	o	2	-	60	52	cm	bc	cm	*	
	Stornoway	29.91	57	-	0	r	29.91	-.00	55	0	N	1	r	1	0.15	62	54	c	c. op.	od. r	0.1	
	Castlebay (Barra Isd.)	29.89	58	S	2	of	29.92	+0.01	54	0	NW	2	o	1	0.15	56	52	dm	dm of	of d. p.	0.0	
	Glasgow	29.91	60	SW	2	of	29.90	-.00	53	-5	SSW	2	o	*	0.38	64	54	opd	op. c. o	or. od.	0.5	
	Malin Head	29.89	55	W	2	rf	29.88	-.01	53	-3	S	2	orm	1	0.05	59	50	omd	f	bc	*	
	Blackod Point	29.94	55	W	1	o	29.96	-.01	54	-1	WNW	3	r	2	0.11	60	51	c	c. og	og	*	
	Valencia	30.01	58	W	3	bc	30.05	+0.01	55	-1	NW	2	o	3	0.01	60	53	c	bc	c	3.9	
	Roche's Point	29.97	62	S	1	c	30.03	*	54	-5	N	2	c	2	Trace	63	50	opg	opg. c	cg. c	*	
	Birr Castle	29.96	61	W	2	c	29.98	*	53	-4	W	1	c	*	0.02	63	49	op	c	c	2.0	
	Donaghadee	29.92	60	S	1	cmp	29.93	-.00	53	-4	W	1	c	1	0.04	61	52	cmp	cmp	c	*	
SCANDINAVIA.	Liverpool Obsy.	29.96	63	WNW	1	c	29.96	-.01	54	-5	W	3	r	2	0.04	65	54	bc	bc	op	3.6	
	Holyhead	29.96	58	SW	3	c	29.96	-.00	55	0	W	2	h	1	0.08	62	54	f. ed. c	c. bc	od. ch	2.2	
	Pembroke (St. Ann's Hd.)	30.01	57	SW	2	bc	29.98	-.01	55	-1	NW	2	c	2	Trace	60	55	cm	cm	bc	0.3	
	Newquay	30.01	60	SW	1	o	29.98	-.01	58	0	NW	3	c	2	0.03	61	58	o	o	op. o	0.0	
	Scilly (St. Mary's)	30.02	61	-	0	c	30.01	-.00	58	0	NW	1	c	2	-	62	55	c	c	c	0.3	
	Jersey (St. Aubin)	30.05	67	NW	2	b	29.99	*	58	-3	N	3	o	3	-	71	56	b	b	b. a	13.0	
	Portland Bill	30.05	60	WSW	1	b	29.99	-.02	59	+2	WNW	1	c	1	-	63	56	bc	bc	bc. o	*	
	Dungeness	30.03	63	SSW	4	c	29.97	-.02	58	-1	NW	2	c	2	-	66	54	c. bc	bc. c	bc	*	
	Dover	30.04	62	SW	3	bc	29.99	*	60	+2	NW	1	o	2	-	65	53	c. o. bc	bc	bc. o	9.1	
	Wick	29.92	54	ESE	2	m	29.89	-.01	53	0	NE	2	om	3	0.08	56	52	fe	f. m	f. m	*	
GERMANY, &c.	Nairn	29.88	59	NE	1	m	29.87	*	56	-3	-	0	m	1	0.38	62	54	cy	cm	rm	1.9	
	Aberdeen	29.91	61	SSE	2	c	29.87	-.00	62	+6	S	1	o	1	0.02	68	56	og. bc	c. bc	c. o	5.1	
	Leith	29.90	62	NW	2	c	29.89	+0.01	58	-1	SW	2	c	*	0.06	63	57	o	a. c	c	*	
	North Shields	29.94	64	SW	1	o	29.92	-.01	60	+2	SSW	1	c	2	-	66	53	c	c	c	0.5	
	Spurn Head	29.98	65	WNW	3	c	29.94	-.00	61	+1	-	0	cm	1	-	67	57	bc	bc	bc. o	2.4	
	Yarmouth	30.01	67	N	1	c	29.97	-.01	60	0	W	1	bc	1	-	71	56	bc	c	bc	7.8	
	Clacton-on-Sea	30.02	67	SSW	3	c	29.98	-.03	60	+1	W	1	bc	r	-	69	54	c. c	c	c. bc	6.6	
	Nottingham	29.97	65	SW	2	o	29.96	*	60	-1	SW	1	om	*	-	70	57	c. o	c. o	o	2.4	
	Bath	30.01	65	W	2	o	29.99	*	58	-1	W	1	r	*	0.02	70	56	o	c. c. o	od.	1.5	
	London (Kew Obsy.)	30.03	65	SW	2	cv	29.99	-.01	57	-2	SW	2	om	*	-	68	54	o	c. c. o	c. bc	1.5	
SPAIN, PORTUGAL, &c.	Spitzbergen	29.98	39	NW	4	r	29.82	-.03	40	-2	SW	5	o	*	*	41	37	*	*	*	*	
	Isafjord	30.06	56	SW	2	o	30.02	-.02	49	-2	-	0	o	*	*	*	*	*	*	*	*	
	Reykjavik	30.12	54	W	3	c	30.04	-.00	52	+2	E	1	r	*	*	*	*	*	*	*	*	
	Vestmanna	30.14	54	S	2	b	30.12	-.01	49	-1	S	1	bc	1	*	*	*	*	*	*	*	
	Seydisfjord	30.12	65	E	3	b	30.12	-.01	49	-3	-	0	bc	*	*	*	*	*	*	*	*	
	Thorshavn	30.03	50	ENE	3	r	30.06	-.01	51	+1	ENE	1	o	*	*	*	*	*	*	*	*	
	Haparanda	30.01	76	-	0	b	30.00	-.01	71	0	-	0	b	*	-	84	57	*	*	*	*	
	Hernösand	29.97	67	-	0	b	29.93	-.02	67	0	N	2	b	*	-	77	54	*	*	*	*	
	Stockholm	29.89	70	-	0	b	29.85	-.01	62	-3	-	0	o	*	-	79	57	*	*	*	*	
	Wisby	29.90	58	NNE	2	b	29.84	-.01	59	-5	NNE	2	bc	*	-	68	54	*	*	*	*	
FRANCE.	Karlstad	29.93	70	-	0	b	29.89	-.00	66	-4	-	0	b	*	-	79	57	*	*	*	*	
	Færder (X'ianka Fjord)	29.97	62	SSW	2	c	29.92	-.01	61	-5	WSW	1	f	1	-	66	61	*	*	*	*	
	Bodö	30.08	58	M	1	bc	30.03	-.01	55	0	-	0	f	0	0.12	57	50	*	*	*	*	
	Christiansund	30.02	53	NE	2	o	29.95	-.01	54	-1	E	1	o	2	0.04	57	52	*	*	*	*	
	Skudesnaes	30.00	59	WSW	2	b	29.95	-.01	60	+3	-	0	b	1	-	61	52	*	*	*	*	
	The Scaw (Skagen)	30.00	60	W	2	bc	29.95	-.01	61	+3	WSW	2	b	0	0.04	66	54	*	*	*	*	
	Blaavands Huk	30.04	60	SW	1	m	30.00	-.01	62	+1	-	0	m	0	-	66	57	*	*	*	*	
	Cuxhaven	30.04	65	N	1	o	30.00	-.02	60	+1	W	2	o	0	-	70	57	*	*	*	*	
	The Helder	30.05	61	SSW	2	b	29.99	-.03	64	+3	SSW	2	bc	0	-	64	52	*	*	*	*	
	Brussels	30.06	64	SE	1	c	29.99	-.03	71	+7	SE	1	b	*	-	77	59	*	*	*	*	
PORTUGAL, &c.	Berlin	30.04	71	E	2	b	30.02	-.01	69	+10	SW	1	bc	*	-	77	57	*	*	*	*	
	Frankfurt	30.07	66	N	1	b	30.06	-.01	64	+4	NE	1	m	*	-	79	55	*	*	*	*	
	Munich	30.11	63	E	1	b	30.08	-.01	65	+4	SW	3	b	*	-	72	52	*	*	*	*	
	C. Gris Nez	30.05	63	SW	1	bc	29.99	-.03	60	-2	NE	1	c	1	-	68	57	*	*	*	*	
	La Hève	29.97	67	NNE	2	b	29.99	*	64	+3	ENE	1	m	1	-	75	59	*	*	*	*	
	Brest (St. Mathieu)	30.07	61	NNW	3	b	30.01	-.00	57	-1	NNW	1	c	1	0.35	77	35	*	*	*	*	
	Lorient (Rec. Molen)	29.96	82	SE	3	b	29.91	-.07	65	+2	SE	5	o	*	0.28	91	63	Thunderstorm yday.	Thunderstorm yday.	*	*	
	Rochefort (Ile d'Als)	29.89	83	ENE	3	c	30.02	+0.01	66	+1	W	5	b	4	0.04	97	64	*	*	*	*	
	Biarritz	29.89	83	ENE	3	c	30.02	+0.01	66	+1	W	5	b	4	0.04	97	64	*	*	*	*	
	Paris	30.04	74	S	1	b	29.99	-.03	64	+1	-	0	o	*	-	80	55	*	*	*	*	
PORTUGAL, &c.	Belfort	30.06	74	-	0	m	30.08	*	64	+5	E	2	m	*	-	79	55	*	*	*	*	
	Lyons	30.05	78	E	1	b	30.04	*	67	+6	SSW	1	o	*	-	81	59	*	*	*	*	
	Nice	30.07	69	SE	2	b	30.															

* 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 JULY.



GENERAL INFERENCE

The large shallow area of low pressure over western Europe is likely to move slowly eastward. Local thunder showers will be experienced to-day.

WEATHER PROSPECTS.

in various parts of England, but the weather will afterwards become fair and cooler.

FORECASTS FOR THE 24 HOURS NOON

Monday

TO NOON Tuesday.

0 {
a
b

Light variable breezes, finally North-Westerly; cloudy, slight rain locally; rather cooler.

1

2 {
a
b

3

Westerly to North-Westerly winds, light; cloudy to-day, with local thunder showers, then fair and cooler.

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. North Cone.

South Cone. North Cone.

No Warnings Issued

6 {
a
b

Westerly to North-Westerly winds, light; cool; changeable, some showers.

7 {
a
b

8 {
a
b

North-Westerly winds, light; fair generally, but slight rain locally, cool.

9 {
a
b

Same as Nos. 6 and 7.

10 {
a
b

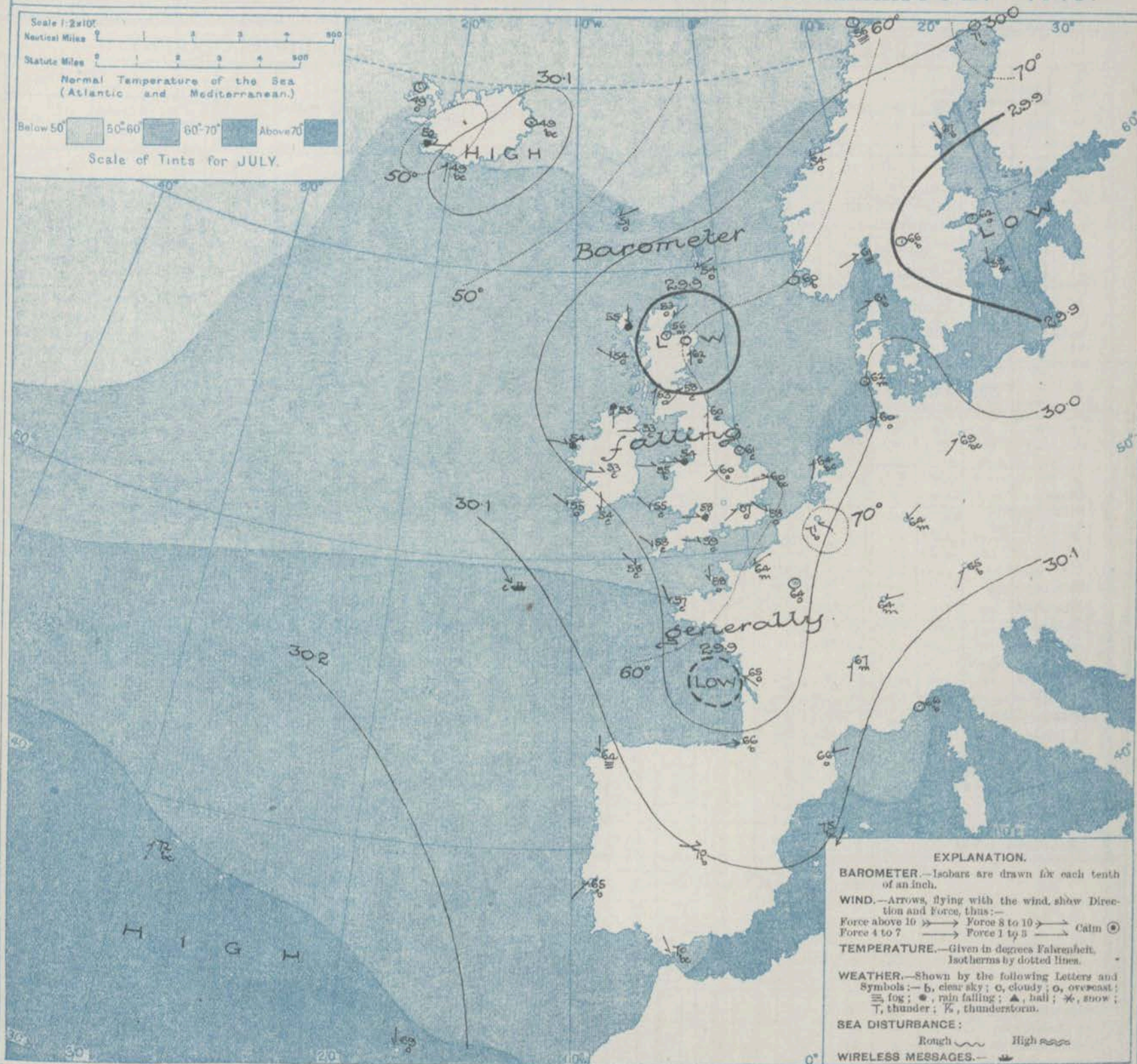
Same as No. 8.

11 WESTERN CHANNEL AND BAY.

Light to moderate North-Westerly winds and a slight sea; fair generally, but local thunder showers; cooler.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. MONDAY, 14TH JULY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Barometrical pressure remains highest, 30.2 in. and upwards over the Azores region, but is high over Spain and the south of France, and also over Iceland. A large area of low pressure covers nearly the whole of Western Europe. The mercury is falling slowly in many places.

The wind is light in force generally, and rather variable in direction. In our western and southern districts it is chiefly Westerly or North-Westerly. Faint cyclonic circulations are reported over Scotland and the south-west of France. Temperatures have risen in the east of Great Britain and the

western portions of the Continent, fallen elsewhere. Over the United Kingdom the morning readings range from about 60° over the eastern and central parts of Great Britain to a little below 55° in Ireland and the west and north of Scotland. At many of the continental stations the thermometer is above 65°. The weather is fair or fine over Western Europe as a whole, but rain is falling at several of our own western stations, as well as at Reykjavik. The sea is slight or smooth generally.

DAILY WEATHER REPORT.

Monday, 14th July, 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	12	Minnowaska	O	30.13	+0.07	NW	1-3	c										
13th, 6 p.m.	55	14	Turonic	O	29.96	+0.18	NNW	6-7	bc	13th, 7 a.m.	48	17	Mesaba	H	30.16	-0.03	-	0	0
	49	13	Mesaba	H	30.18	-0.01	NNW	1-3	bc		49	14	Marquette	O	29.97	+0.04	NW	1-3	bc
	54	21	Thonmouth	O	30.10	+0.04	NW	4-5	c		55	12	Camaronia	O	29.82	+0.02	W	4-5	0
	55	18	Empress of Ireland	O	30.04	+0.03	NW	4-5	0		55	10	Lake Manitoba	H	29.82	+0.02	SW	1-3	0
	55	17	Camaronia	O	30.00	+0.02	W	?	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.	Oban	...	...	...	...	...	...	England, S.E.	Margate	...	...	...	...	...	...
	Stonehaven	...	...	...	...	...	...		Ramsgate	...	...	...	...	...	...
	St. Andrews	...	...	...	...	...	...		Folkestone	...	...	...	...	...	...
	Carnoustie	...	...	...	...	...	...		Littlestone	...	...	...	...	...	...
England, N.E.	Harrogate	...	...	...	...	...	...	England, S.W.	Hastings	...	...	...	...	...	...
	Scarborough	...	...	...	...	...	...		Bexhill-on-Sea	...	...	...	...	...	...
England, N.W.	Blackpool	...	...	...	...	...	...		Eastbourne	...	...	...	...	...	...
	Southport	...	...	...	...	...	...		Seaford	...	...	...	...	...	...
	Buxton	...	...	...	...	...	...		Brighton	...	...	...	...	...	...
	Leamington Spa	...	...	...	...	...	...		Worthing	...	...	...	...	...	...
Wales.	Douglas	...	...	...	...	...	...	England, S.W.	Littlehampton	...	...	...	...	...	...
	Rhyl	...	...	...	...	...	...		Southsea	...	...	...	...	...	...
	Colwyn Bay	...	...	...	...	...	...		Bournemouth	...	...	...	...	...	...
	Llandudno	...	...	...	...	...	...		Ryde	...	...	...	...	...	...
England, E.	Bettws-y-Coed	...	...	...	...	...	...	England, S.W.	Falmouth	...	...	...	...	...	...
	Aberystwyth	...	...	...	...	...	...		Weymouth	...	...	...	...	...	...
	Lowestoft	...	...	...	...	...	...		Teignmouth	...	...	...	...	...	...
	Felixstowe	...	...	...	...	...	...		Torquay	...	...	...	...	...	...
England, E.	Walton-on-Naze	...	...	...	...	...	...	England, S.W.	Paignton	...	...	...	...	...	...
	Southend-on-Sea	...	...	...	...	...	...		Ilfracombe	...	...	...	...	...	...
									Weston-super-Mare	...	...	...	...	...	...

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.		Rainfall.	WEATHER.		Sunshine for Yesterday.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine for Yesterday.
	1 p.m. Yesterday.	9 a.m. To-day.	In Screen.	Min. on Grass.		Forenoon.	Afternoon.				In Screen.	Night Min. on Grass.	Night.	Forenoon.	
Greenwich (Royal Observatory) ...	64	70	73	51	42	-	c	c.b.c.	1-8	Dublin to 4 p.m.	66	57	55	r.b.p.	c.b.p.
City (Bunhill Row) ...	...	...	...	...	...	...	...	...	1-1	Plymouth to 9 p.m.	64	57	53	o	c.b.
Westminster (St. James's Park) ...	75	85	67	55	48	-	bc	c.b.	1-0	Darwen	...	...	...	...	...
Camden Sq. (Brit. Rainfall) ...	...	...	73	53	51	-	o	c.b.	1-5	Manchester	...	...	...	...	...
Hampstead (Reservoir) ...	...	...	67	52	44	-	o	bc	1-4	Birmingham	67	53	47	c	c
Kew. (See front page.)	...	...	...	...	...	...	...	...	...	Oxford to 8 p.m.	69	55	53	c	c
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.															
		Total.	Mean Rate.		Max. Rate.										
S. Kensington (Roof of M.O.)		84	1158 Joules.		19.8 Milliwatts.		27 Milliwatts.		1-4		S. Kensington (Museum Grounds to 6 p.m.)		71		56

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

14th & 15th July, 1913.		Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T.	G.M.T.	G.M.T.	
	3.47	11.59	8.10	
Greenwich	3.48	11.59	8.0	
	4.0	12.6	8.11	
Wick	3.29	12.12	9.6	
	3.31	12.18	9.4	
Valencia	4.38	12.47	8.55	
	4.39	12.47	8.54	

During yesterday the thermometer rose to 70° or a trifle above it in several parts of England, and reached 73° at Greenwich and Camden Square. The amount of bright sunshine was generally small, but between 8 and 9 hours were recorded on the coasts of Kent and Sussex, and as many as 13 hours at Jersey. Showers were experienced in the west and north generally. Wireless reports show that as far west as the 21st meridian ships experienced light to moderate winds from the westward and north-westward, 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; 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; 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 wrapping.

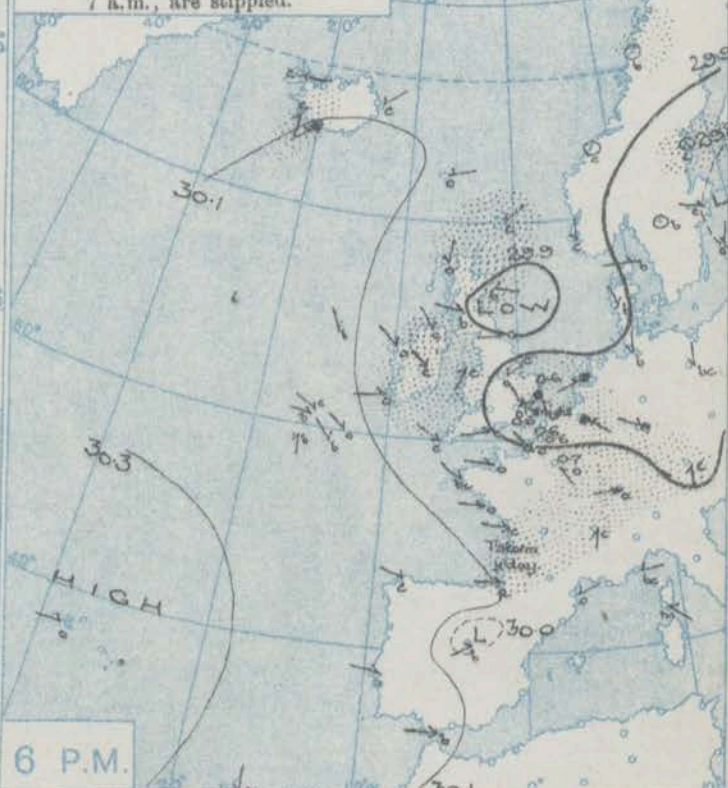
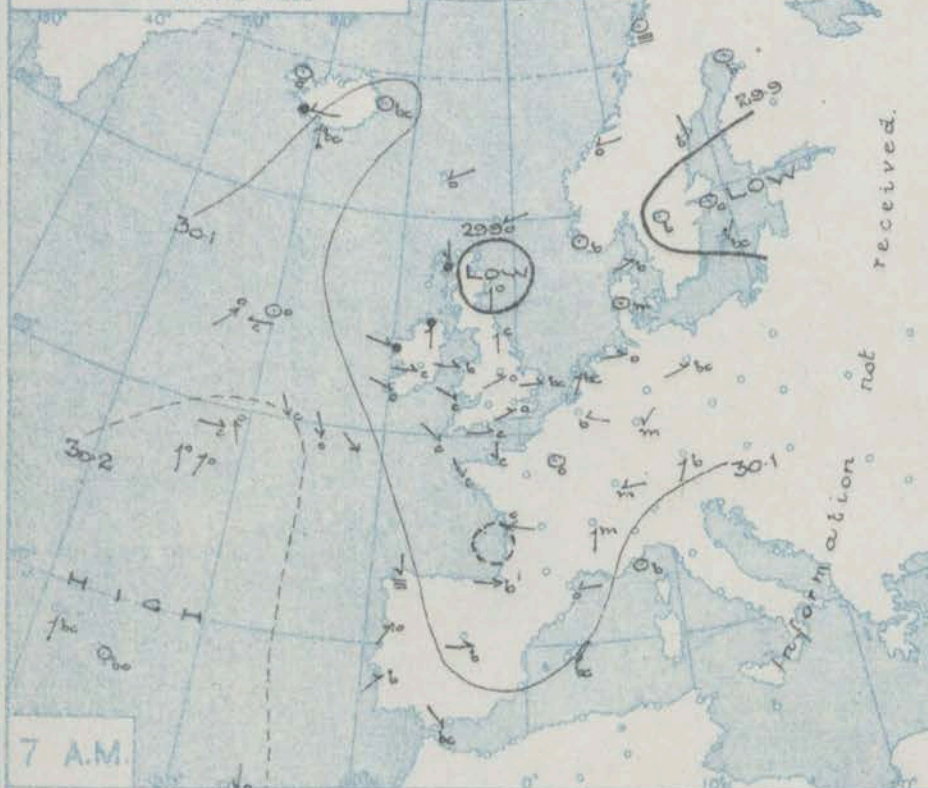
Tuesday,
15th July, 1913.

† Received too late for insertion in Charta.

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

SCALE
NAUTICAL MILES
STATUTE MILES

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.

The shallow depression over Germany and the Netherlands will probably move away slowly to the eastward, and a partial and temporary improvement in the

weather will take place over the United Kingdom. Wireless reports from the Atlantic appear to indicate the approach of another disturbance from the Westward.

FORECASTS FOR THE 24 HOURS NOON

0 {
a Light North-Westerly to Westerly winds;
b cloudy and showery at first, then fair,
remaining cool.

1 {
a Light North-Westerly winds;
b fair generally, but slight local showers;
remaining cool.

3 {
a Northerly and North-Westerly
b winds, moderate or fresh; cool,
changeable, some showers, fine
intervals.

5

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 Coast. North Coast. South Coast. North Coast.

No Warnings Issued.

Tuesday

TO NOON Wednesday.

6 {
a
b

Northerly and North-Westerly winds, backing later; fair generally slight local showers; remaining cool.

7 {
a
b

8 {
a
b

9 {
a
b

10 {
a
b

Light Northerly winds, backing later to West or South-West; some showers at first, then fair; remaining cool.

11 WESTERN CHANNEL AND BAY.

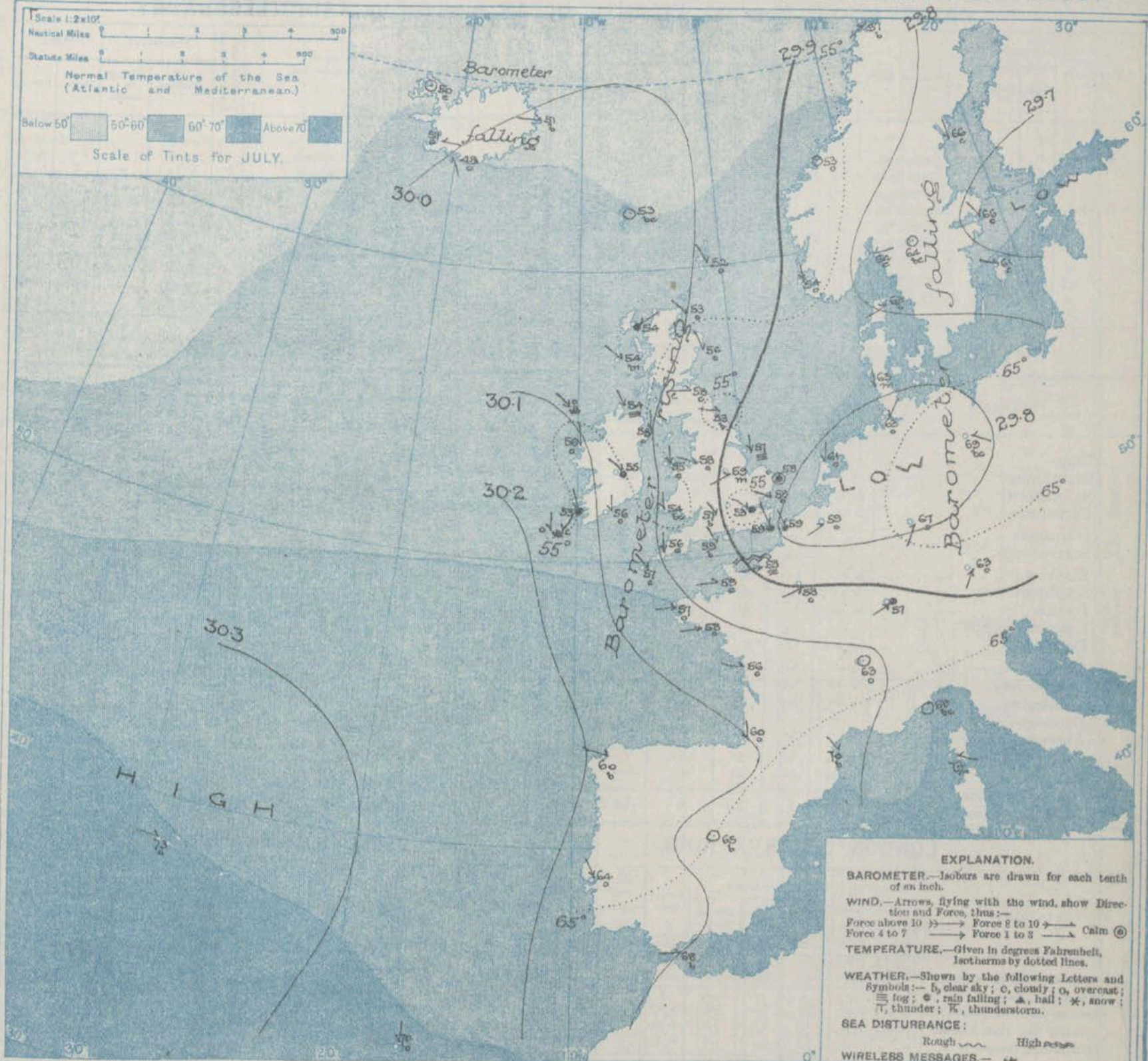
Moderate Northerly and North-Westerly winds and a slight sea; fair generally, but slight local showers; cool.

THE FURTHER OUTLOOK.

(All districts)

Changeable weather is likely to continue.

SYNOPTIC CHART FOR 7 A.M. TUESDAY 15TH JULY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The depression noticed yesterday over Scotland, and another disturbance which moved northwards over France, have united, and now form a large shallow area which lies over the Netherlands and North Germany. An anticyclone extends from the central and southern parts of the Atlantic over the west of Ireland and over the Spanish Peninsula.

The wind is Northerly or North-Westerly over the United Kingdom, and blows freshly or strongly on some of the more exposed parts of the English coasts. A cyclonic circulation of light to moderate breezes exists over Germany, the Netherlands and the neighbouring parts of France. Temperature has fallen at most of

the English and Continental stations. Over the United Kingdom the morning readings range from a trifle below 60° on the south and east coasts of England to 53° in London, and at North Shields and Wick, and to 52° at Harwich. Readings above 65° are reported in Sweden, and also in the extreme south of France. The weather is fine at many of the Scandinavian stations, but is in a cloudy, unsettled state over western Europe generally. Rain is falling in the east and south-east of England, and also in the south of Ireland and in the Hebrides. The sea is moderate in the Channel, slight or smooth elsewhere.

DAILY WEATHER REPORT.

Tuesday, 15th July, 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- H Outward Homeward	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- H Outward 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.	51	11	Campania	H	30.24	-01	NE	1-3	c	14th, 7 a.m.	54	23	Campania	H	30.17	-01	SW	4-5	o
" "	51	11	Franconia	H	30.13	-03	N	1-3	o	" "	48	23	Campania	H	30.22	-01	S	1-3	o
" "	55	10	Laurentic	H	30.08	-05	NW	4-5	o	" "	54	22	Laurentic	H	30.09	-08	E	1-3	o
14th, 6 p.m.	50	18	Campania	H	30.28	00	S	1-3	b	" "	48	22	Marquette	O	30.11	-01	SSW	1-3	o
" "	50	17	Seaton	O	30.20	00	WNW	1-3	b	" "	49	21	Franconia	H	30.16	-01	SSW	1-3	o
" "	55	17	Laurentic	H	30.22	+01	NW	1-3	c	" "	49	21	Laurentic	O	30.22	+02	W	1-3	c
" "	55	16	Laurentic	H	30.16	-03	NW	1-3	b	" "	55	20	Laurentic	O	30.14	+04	"	0	o
" "	49	16	Minneapolis	O	30.26	+03	NW	1-3	b	" "	50	17	Lake Michigan	H	30.20	00	NW	1-3	o
" "	50	14	Lake Michigan	H	30.22	+02	NW	1-3	o	" "	49	15	Lapland	O	30.15	+02	NNW	4-5	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	0.42	62	52	bc	bc.c.	3.5	England, S.E.	Margate	0.01	66	54	o.b.	o	1.1
	Stonehaven	0.14	66	54	bc	gc	7.9		Ramsgate	0.01	68	53	bc	o	2.6
	St. Andrews	0.08	71	57	b	gc	7.7		Folkestone	0.01	64	55	bc.or	o	1.1
	Carnoustie	0.08	70	56	*	*	8.5		Littlestone	0.01	64	55	bc	o	1.2
England, N.W.	Harrogate	0.02	64	53	o.b.c.	c.b.c.	1.4	England, S.W.	Hastings	0.01	67	54	o.c.	c.o	2.3
	Scarborough	0.02	68	57	bc	o	1.1		Bexhill-on-Sea	0.01	66	55	c.b.c.	c.o	3.4
	Blackpool	0.02	61	56	o	c	5.3		Eastbourne	0.01	66	54	o.c.	bc.o	1.8
	Southport	0.02	61	56	o.c.	bc.o.b.c.	6.0		Seaford	0.01	66	52	c	c	3.0
Wales.	Buxton	0.04	61	53	bc	bc	2.8	England, S.W.	Brighton	0.32	64	52	o	o.b.c.	0.6
	Leamington Spa	0.01	69	58	o	o	2.2		Worthing	0.16	65	51	o.b.c.	o	1.6
	Douglas	0.01	62	51	b.b.c.	b.b.c.	8.0		Littlehampton	0.01	64	51	c.b.c.	bc.o	2.9
	Rhyl	0.05	61	53	o.c.	bc.b.	6.8		Southsea	0.01	64	51	c.b.c.	bc.o	6.0
England, S.W.	Colwyn Bay	0.03	64	52	bc	b	7.5	England, S.W.	Bournemouth	0.01	64	50	o.c.	o.c.	1.5
	Llandudno	0.07	67	53	bc	b	8.4		Ryde	0.01	69	60	c	c	4.2
	Bettws-y-Coed	0.07	61	56	o.c.	c.b.v	8.0		Lymington	0.01	66	58	bc	bc	3.0
	Aberystwyth	0.07	61	56	o.c.	c.b.v	8.0		Falmouth	0.01	65	57	c.b.	bc	7.5
England, S.W.	Lowestoft	0.06	69	55	bc.c.	c.op	8.8	England, S.W.	Weymouth	0.01	68	54	c.b.c.	bc.c.	4.0
	Felixstowe	0.21	66	53	bc.g	o.or	6.7		Teignmouth	0.01	66	52	cp	c.b.	2.5
	Walton-on-Naze	0.29	66	53	b.b.c.	o.r	5.4		Torquay	0.01	65	53	+	+	1.0
	Southend-on-Sea	0.53	69	54	b	bc.t	5.5		Paignton	0.01	66	51	c.b.c.	bc	1.1

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		TEMPERATURE.		Rain- fall.	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.	
Greenwich (Royal Ob.)	86	97	69	53	0.11	o	o.or	o.r	1.4
City (Bankhill Row)	86	97	69	53	0.11	o	o.or	o.r	0.7
Westminster (St. James's Pk.)	59	94	71	53	0.55	o	o.or	o.or	0.9
Camden Sq. (Brit. Rainfall)	61	96	75	53	0.56	c.o	o.or	o.or	1.3
Hampstead (Reservoir)	61	96	71	50	0.81	c	c.op	o.r	1.4
Kew. (See front page.)	61	96	71	50	0.81	c	c.op	o.r	1.4
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETER DURING YESTERDAY.									
			Total.	Mean Rate.	Max. Rate.				
S. Kensington (Roof of M.O.)			972 Joules.	167 Milliwaits.	70 Milliwaits.		1.0		

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.	0.01	66	53	51	bc	cp	c.b.
Plymouth to 9 p.m.	0.01	65	57	56	c.b.	o.r	c.b.v
Darwen	0.09	63	50	?	o.r	o.r	bc
Manchester	0.04	65	57	?	o.r	o.r	bc
Birmingham	0.04	67	56	54	o	c	o
Oxford to 8 p.m.	0.01	66	53	51	bc	cp	c.b.
S. Kensington (Museum Grounds to 8 p.m.)	0.01	71	55	47	o.c.	c.o.g	o.g

NOTES ON YESTERDAY'S WEATHER.

The thermometer rose to between 65° and 70° in most parts of Great Britain, and to 75° at Camden Square. The amount of bright sunshine varied considerably in different localities. Rain fell in nearly all districts, heavily in the east and south-east of England, where thunderstorms occurred locally. Wireless reports show that as far west as the 20th meridian ships experienced light to moderate breezes from the North-Westward, and fair weather; further to the westward the wind was Southerly, and the weather cloudy.

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.

Wednesday
16th July, 1913.

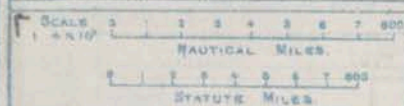
STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.	
	BAROM.		TEMP.		WIND.	Force (0 to 12).	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.			
	At 32° Fahr. and M.S.L. Lat. 45°.	Dry 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).	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.	F.						In.	F.								In.	F.	F.			Hours
Lerwick	30.00	54	WNW	4	bc			29.91	-.03	53	+1	-	0	c	1	-	57	48	c	bc	c	*
Stornoway	30.06	55	NE	2	o			29.93	-.03	54	0	SW	3	o	3	Trace	57	51	o	o	o	0.0
Castlebay (Barra Isd.)	30.07	58	WNW	2	b			29.93	-.02	53	-1	SSW	3	op	2	0.02	58	52	om	o. b	b. op	4.6
Glasgow	30.00	59	E	3	c			29.96	-.02	55	0	W	2	c	*	-	56	51	c. bz. c	c. o. c	c. bz. c	4.1
Malin Head	30.09	57	N	1	b. m			29.97	-.02	53	-1	WSW	2	c	2	-	59	51	om	b. m	om	*
Blackod Point	30.14	57	NW	1	c			29.98	-.04	55	-1	SW	3	o	2	0.06	58	52	om	og	om	*
Valencia	30.18	58	NNW	3	c			30.07	-.02	55	0	ASE	2	o	3	0.01	60	50	c	ew	om	2.3
Roche's Point	30.13	63	N	3	c			30.10	*	55	-1	N	2	c	2	-	63	50	*	o. c	b. c	*
Birr Castle	30.11	59	NW	1	c			30.05	*	53	-2	S	1	c	*	0.01	60	53	cd. r	c	c	0.0
Donaghadee	30.05	58	N	3	b			30.01	-.02	54	-1	W	1	om	2	-	62	49	by	by	b. m	*
Liverpool Obsy.	30.01	59	W	4	b			30.03	-.00	55	-3	W	3	o	3	-	63	53	b. c	b. c	b. c	2.9
Holyhead	30.05	59	NW	2	c			30.04	-.00	56	+1	NW	1	ogm	1	-	62	55	om. f. c	c. d. b. c	om. o	5.2
Pembroke (St. Ann's Hd.)	30.06	60	NNW	2	c			30.05	-.00	56	+2	-	0	ogm	1	Trace	63	54	b. c	om	om	6.0
Newquay	30.05	59	NW	3	b			30.09	+0.01	58	+2	NW	2	om	3	Trace	60	56	c. b. c	c. b	b. o	5.6
Scilly (St. Mary's)	30.10	61	NNW	3	b. m			30.12	+0.01	57	0	NW	3	c	3	-	64	58	bc	b. m	b. m	9.7
Jersey (St. Aubin)	30.03	62	W	4	c			30.08	*	59	0	NW	3	c	3	-	65	56	c	b. b. c	o. c	9.8
Portland Bill	29.94	64	WNW	3	b			30.05	+0.02	58	-1	NNW	3	b	2	0.16	62	56	bc	b	b. m	*
Dungeness	29.89	61	NNW	4	r			29.98	+0.01	57	-2	NNW	4	op	2	0.40	63	56	d. c. g	or	op. o	*
Dover	29.96	60	WSW	4	o			29.97	*	57	-1	NW	4	o	3	0.23	63	55	o. c. b. c	c. op. o	og. o	0.4
Wick	30.04	56	NNE	2	c			29.92	-.03	52	-1	S	3	c	2	-	56	50	om	om. m	c. c. m	*
Nairn	30.04	57	NE	1	c			29.93	*	55	0	-	0	c	1	Trace	61	51	cy	bc	cy	1.3
Aberdeen	30.03	58	N	3	c			29.95	-.02	54	-2	SSW	2	o	2	-	62	46	o	o. c	b. c	1.6
Leith	29.99	62	N	2	b			29.95	-.02	56	-2	W	2	o	*	-	64	55	c	b. c. b	c. o	*
North Shields	30.02	57	N	2	bc			29.99	-.01	55	+2	E	1	o	2	-	60	53	c	bc	o	4.1
Spurn Head	29.96	58	NNW	5	o			29.99	-.00	58	+1	WNW	3	c	2	-	62	49	f. o	o	o. c	0.0
Yarmouth	29.91	57	N	2	r			29.91	+0.01	57	-1	N	2	o	2	0.19	60	56	or	or	or	0.0
Clacton-on-Sea	29.89	59	NW	2	o			29.97	+0.02	58	0	NW	2	c	1	0.04	63	55	op. d. g	op. d. g	op. d. g	0.0
Nottingham	29.95	63	NE	3	b			30.01	*	56	-3	SW	1	om	*	0.01	70	55	c. op	o. c. b	b	3.4
Bath	29.96	70	N	1	o			30.06	*	58	+1	W	-	m	*	Trace	72	51	b. c. o	o. c. p. u	o. c. g	7.3
London (Kew Obsy.)	29.95	60	N	1	om			30.02	+0.01	59	+6	N	1	by	*	0.51	62	53	om	om	om. o	0.0
Spitzbergen	30.11	39	-	0	o			30.09	-.01	39	+2	-	0	o	*	-	41	34	*	*	*	*
Isafjord	29.85	59	S	3	c			29.69	-.03	51	+1	-	0	o	*	-	*	*	*	*	*	*
Reykjavik	29.85	57	SE	5	o			29.62	+0.04	52	+1	E	1	c	*	-	*	*	*	*	*	*
Vestmanna	29.86	51	SE	4	c			29.64	-.03	48	0	ESE	8	o	1	*	*	*	*	*	*	*
Seydisfjord	29.95	60	NE	3	b			29.76	-.03	49	-2	-	0	c	*	-	*	*	*	*	*	*
Thorshavn	30.04	53	-	0	o			29.86	-.04	51	-2	-	0	o	*	-	*	*	*	*	*	*
Haparanda	29.72	71	NE	4	b			29.72	-.04	72	-	NE	2	b	*	-	84	39	*	*	*	*
Hernösand	29.67	63	NE	2	r			29.58	-.01	63	-3	-	0	c	*	0.03	77	61	*	*	*	*
Stockholm	29.60	64	WNW	2	bc			29.56	-.01	67	+1	W	2	b	*	0.08	73	59	*	*	*	*
Wisby	29.63	64	SW	2	b			29.60	-.01	66	+5	NNW	2	b	*	-	70	57	*	*	*	*
Karlstad	29.63	66	-	0	b			29.59	-.08	59	-5	SE	2	o	*	-	77	52	*	*	*	*
Færder (Xtania Fjord)	29.66	62	SSW	2	m			29.58	-.00	63	-1	NNW	1	m	2	-	66	61	*	*	*	*
Bodö	29.76	58	SW	2	bc			29.65	-.02	71	+14	E	2	bc	2	-	71	50	*	*	*	*
Christiansund	29.78	52	WNW	1	o			29.73	-.02	52	-1	W	3	bc	2	0.47	54	50	*	*	*	*
Skudesnaes	29.81	55	N	6	b			29.82	-.00	55	+1	N	6	c	2	-	59	50	*	*	*	*
The Scaw (Skagen)	29.68	60	W	3	o			29.60	+0.01	64	+1	NW	3	o	0	-	68	55	*	*	*	*
Blaavands Huk	29.81	57	N	3	m			29.81	+0.02	59	-4	NW	4	c	3	-	64	55	*	*	*	*
Cuxhaven	29.73	65	N	4	o			29.79	+0.02	60	-3	N	4	o	1	0.24	72	59	*	*	*	*
The Helder	29.82	59	N	4	o			29.90	+0.01	57	-4	N	4	c	2	0.63	63	57	*	*	*	*
Brussels	29.84	60	WNW	4	o			29.87	+0.02	57	-2	NW	2	r	*	0.20	68	56	*	*	*	*
Berlin	29.71	69	S	2	c			29.77	+0.02	64	-5	W	3	o	*	0.12	82	64	*	*	*	*
Frankfurt	29.89	62	SW	1	bc			29.92	+0.03	57	-10	SW	1	o	*	0.08	72	54	*	*	*	*
Munich	29.93	61	W	4	c			29.99	+0.01	54	-9	SW	3	r	*	0.12	68	54	*	*	*	*
C. Gris Nez	29.90	59	NNE	3	r			29.96	+0.03	58	-1	N	5	o	4	0.32	66	55	*	*	*	*
La Hève	29.99	58	WNW	3	r			30.05	*	58	0	N	3	o	3	0.35	63	54	*	*	*	*
Brest (St. Mathieu)	30.10	59	NW	2	bc			30.16	+0.01	57	0	NW	4	o	3	-	64	57	*	*	*	*
Lorient (Bec Melen)	?	62	NW	4	b			?	*	60	+2	NW	3	o	2	-	63	54	*	*	*	*
Rochefort (Ile d' Aix)	30.09	62	WNW	4	c			30.12	+0.02	60	+4	NW	3	bc	*	-	66	58	*	*	*	*
Biarritz	30.13	63	NNW	3	o																	

GALLES.
Duration and Extremes Force
on British Coasts.

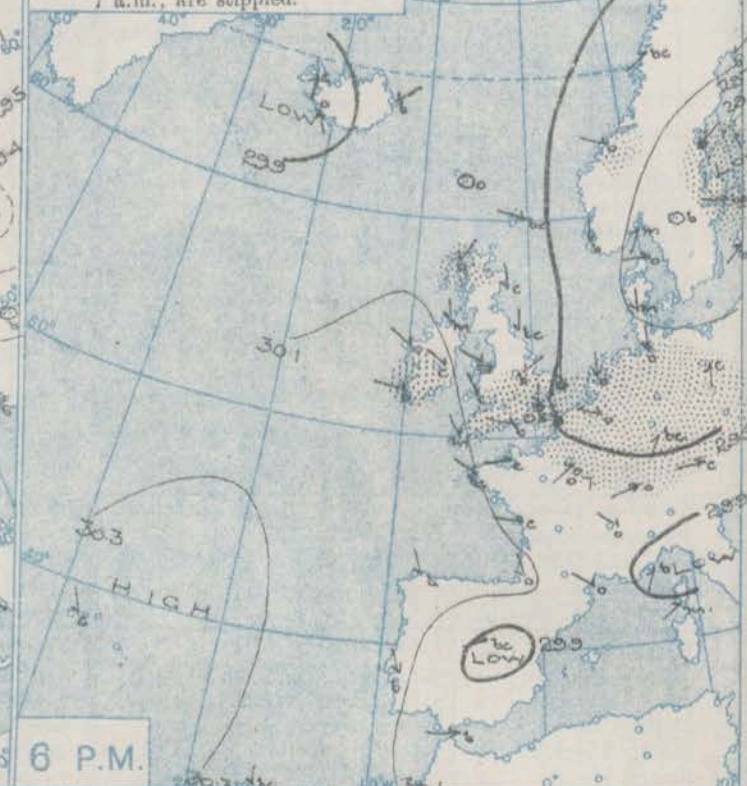
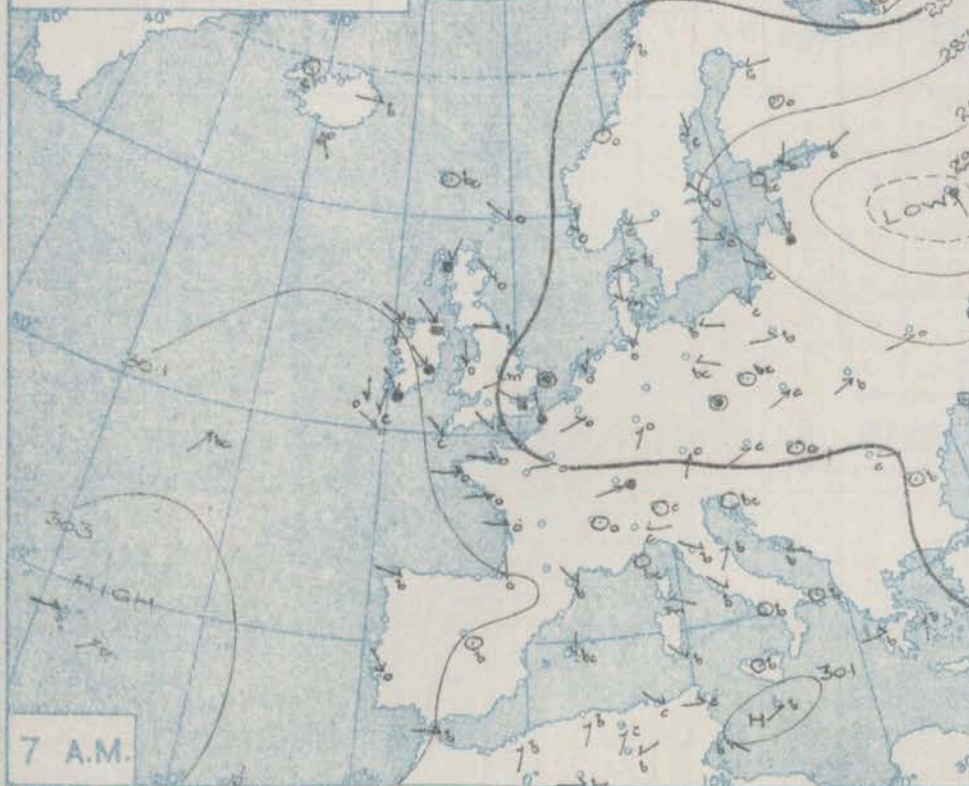
* Information for these columns not usually received.

† Received too late for insertion in Charts.

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



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.

The new depression over the upper part of the Atlantic is likely to spread eastward. Rain will set in again to-day in most of our western and

northern districts, and will extend later to all other parts of the country. Temperature will remain below the normal.

FORECASTS FOR THE 24 HOURS NOON

Wednesday TO NOON Thursday

0^a
b

Southerly and South-Westerly winds, light or moderate; cloudy, unsettled, some rain; remaining cool.

1

2^a
b

Light North-Westerly to Westerly winds to-day, with fair weather; moderate South-Westerly winds to-morrow, and weather becoming showery or rainy again; remaining cool.

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.

No Warnings Issued.

6^a
b

Same as Nos. 0 and 1.

7^a
b

South-Westerly to Southerly winds, light or moderate; cloudy, some rain, misty on coast; remaining cool.

8^a
b

9^a
b

Southerly and South-Westerly winds; moderate or fresh; dull, unsettled, some rain; remaining cool.

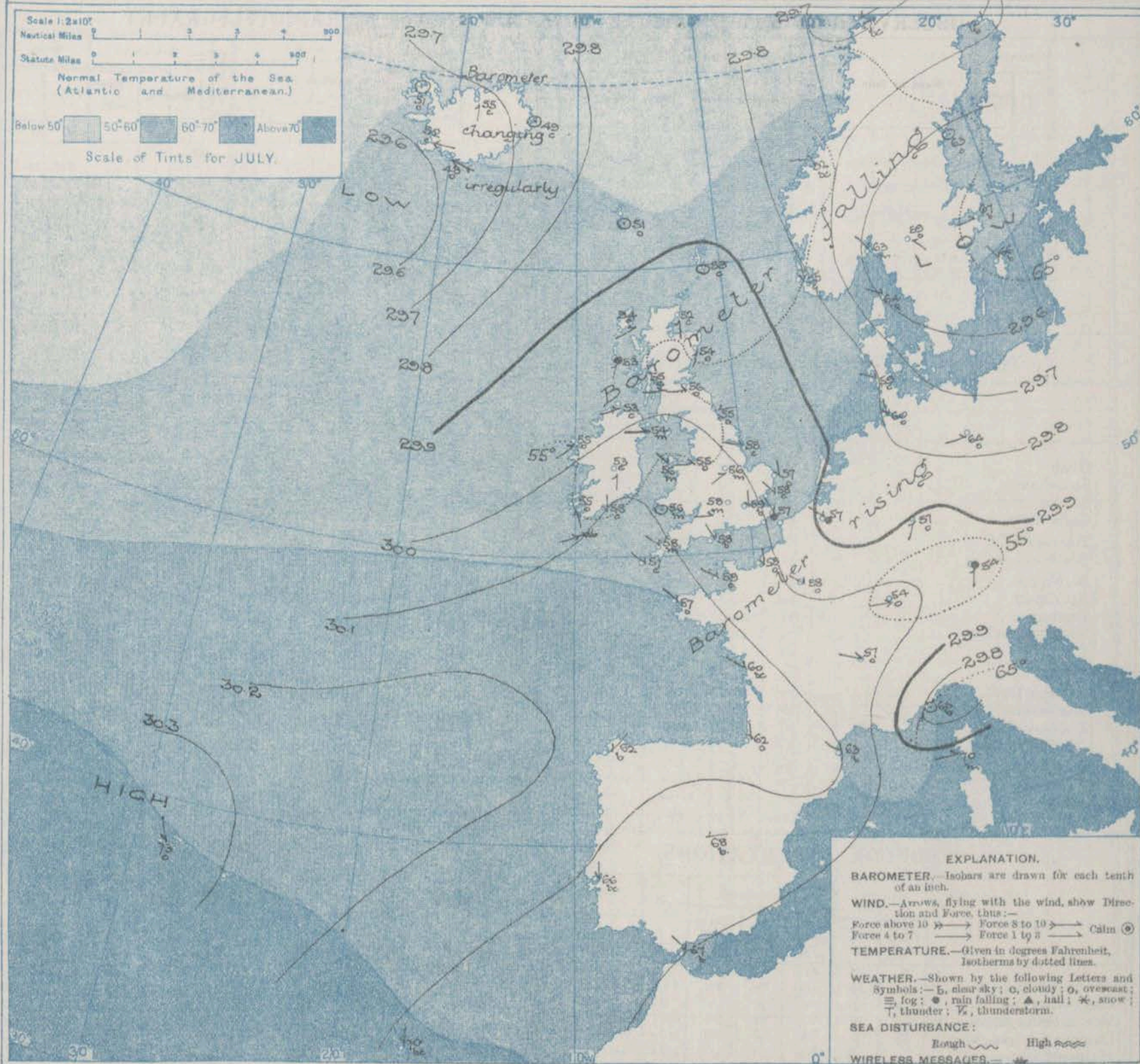
10^a
b

11 WESTERN CHANNEL AND BAY.

Light North-Westerly to moderate Westerly or South-Westerly winds and a slight sea; fair to-day, showery to-morrow; remaining cool.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. WEDNESDAY, 16TH JULY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The shallow depression which lay yesterday over Germany and the Netherlands is travelling away to the north-eastward, but a new disturbance is approaching Iceland from the south-westward, and is occasioning a slight fall of the barometer on all our own western and northern coasts.

The wind is light from the North-Westward over England, France and the Netherlands, and moderate to strong from the same quarter or from North on the eastern side of the North Sea. On the Irish and Scotch coasts it has backed to the South-Westward or Southward. Temperature has changed rather irregularly, and remains

low over the western countries generally. Over the United Kingdom the morning readings range from between 57° and 59° in the south and east of England to 52° at Wick. In the north of Scandinavia the thermometer is slightly above 70°. The weather is cloudy or overcast in most places. Showers are still falling on the Kentish coast and in the southern Heligoland, and rain is reported at Brussels. At most of the Scandinavian stations the weather is fine. The sea is slight or smooth generally.

DAILY WEATHER REPORT.

Wednesday, 10th July, 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.	
16th, Jan.	51	9	Royal George	O	30.07	00	WSW	4-5	o										
15th, "	48	22	Winnawaka	O	30.21	-05	SW	4-5	bc										
"	50	11	Lake Michigan	H	30.18	+01	NW	4-5	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	...	65	49	bc	bc	7.0	England, S.E.	Margate	...	65	58	o	e	0.2
	Stonehaven	...	62	57	c	c	0.6		Ramsgate	...	63	57	"	"	0.4
	St. Andrews	...	66	53	o	o	0.0		Folkestone	...	64	57	r.p	p.r.	0.2
	Carnoustie	...	67	55	o	c	1.9		Littlestone	...	"	"	"	"	0.0
Eng. N.E.	Harrogate	...	65	52	b.b.c.b.	b.b.c.	7.3	England, S.E.	Hastings	...	62	54	llr	or	0.0
	Scarborough	...	62	56	bc	o	2.5		Bexhill-on-Sea	...	62	54	ro	ro	0.0
England, N.W.	Blackpool	...	63	50	b	bc	11.5	England, S.E.	Eastbourne	...	61	53	auv	ogd	0.0
	Southport	...	64	52	b.c.b.	c.b.c.	11.5		Seaford	...	62	52	r	o	0.0
	Buxton	...	67	46	bc	bc.r	1.2		Brighton	...	63	53	o.c.o	or	0.2
	Leamington Spa	...	72	49	o	or	2.8		Worthing	...	62	53	or	or	0.0
Wales.	Douglas	...	66	52	q.b.	bg	12.5	England, S.W.	Littlehampton	...	"	"	"	"	0.0
	Rhyl	...	62	55	"	"	8.0		Southsea	...	65	54	o.c.or	or	0.0
	Colwyn Bay	...	64	51	b.c.b.	b	6.0		Bournemouth	...	71	50	e.o	o.c.or	3.0
	Llandudno	...	66	53	o.c.	bc	6.8		Rye	...	65	57	b	b	10.5
England, E.	Bettws-y-Coed	...	69	47	c.b.	b	8.0	England, S.W.	Exmouth	...	70	58	b	b	10.5
	Aberystwyth	...	62	53	c.b.	b.b.c.	10.7		Falmouth	...	64	55	bc	bc	10.3
	Lowestoft	...	59	56	or	or	0.0		Weymouth	...	72	53	b	b	10.2
	Felixstowe	...	61	57	dmo	dmo	0.0		Teignmouth	...	71	53	b	b	11.8
England, E.	Walton-on-Naze	...	61	57	cmd	cm	0.0	England, S.W.	Torquay	...	71	53	b.c.b.	b	11.3
	Southend-on-Sea	...	63	51	op	op	0.5		Paignton	...	63	56	b.c.b.	b	10.0
									Ilfracombe	...	69	57	b	b.c.b.	10.5
									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.) ...	91	74	64	54	54	0.15	or	or	or	0.0	Dublin to 4 p.m.	0.02	62	55	53	ptl.c.	o.c.	o	10.1	
City (Bunhill Row) ...	"	"	"	"	"	"	"	"	"	0.0	Plymouth to 9 p.m.	"	66	55	50	o	c.b.	c.b.	5.7	
Westminster (St. James's Pk.)	99	71	65	54	55	0.17	or	or	or	0.0	Darwen "	"	68	48	44	bcw	bc.o	bc.o	1.5	
Camden Sq. (Bst. Rainfall)	92	71	66	55	55	0.20	or	or	or	0.0	Manchester "	"	68	48	"	bcw	c.b.o	o.c.o	2.5	
Hampstead (Reservoir) ...	"	75	62	51	47	0.22	or	or	or	0.0	Birmingham "	"	68	49	44	o	c	o	2.5	
Kew. (See front page.)											Oxford to 8 p.m.	"	67	53	52	clt.c	og	or	to	
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETER DURING YESTERDAY.																				
S. Kensington (Roof of M.O.)	94	82	Total.		Mean Rate.		Max. Rate.		0.0	S. Kensington (Museum Grounds to 6 p.m.)	0.69	61	53	52	or	or	or			
			506 Joules.		8.7 Milliwatts.		33 Milliwatts.													

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

10th & 11th July, 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 3.49 3.49	G.M.T. 11.59 11.59	G.M.T. 8.8 8.7
Greenwich	4.3 4.4	12.6 12.6	8.9 8.8
Wick	3.33 3.34	12.18 12.18	9.2 9.1
Valencia	4.40 4.41	12.47 12.47	9.53 9.52

NOTES ON YESTERDAY'S WEATHER.

In the W. and S.W. of England the thermometer yesterday rose slightly above 70°, but in most other parts of the United Kingdom it failed to reach 65°. Between 10 and 12 hours of bright sunshine were recorded on many parts of our west and south-west coasts, elsewhere the duration was small. Considerable quantities of rain were experienced in the E. and S.E. of England, and thunder occurred at some of the Channel stations. Wireless reports show that in the neighbourhood of the Irish coast the wind was light from the Northward, and the weather cloudy; to the westward of the 20th meridian light westerly breezes, and fair weather were reported.

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.

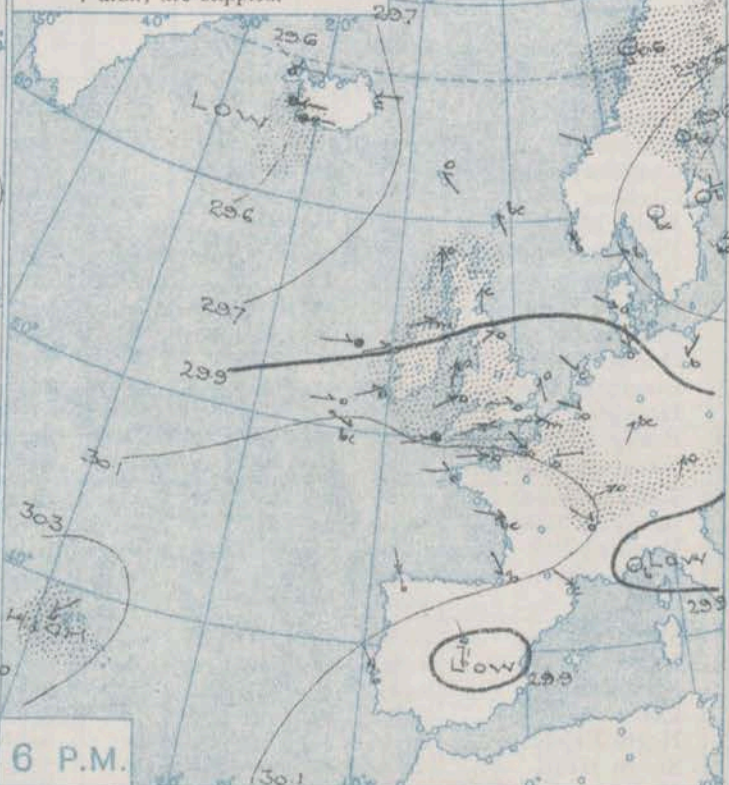
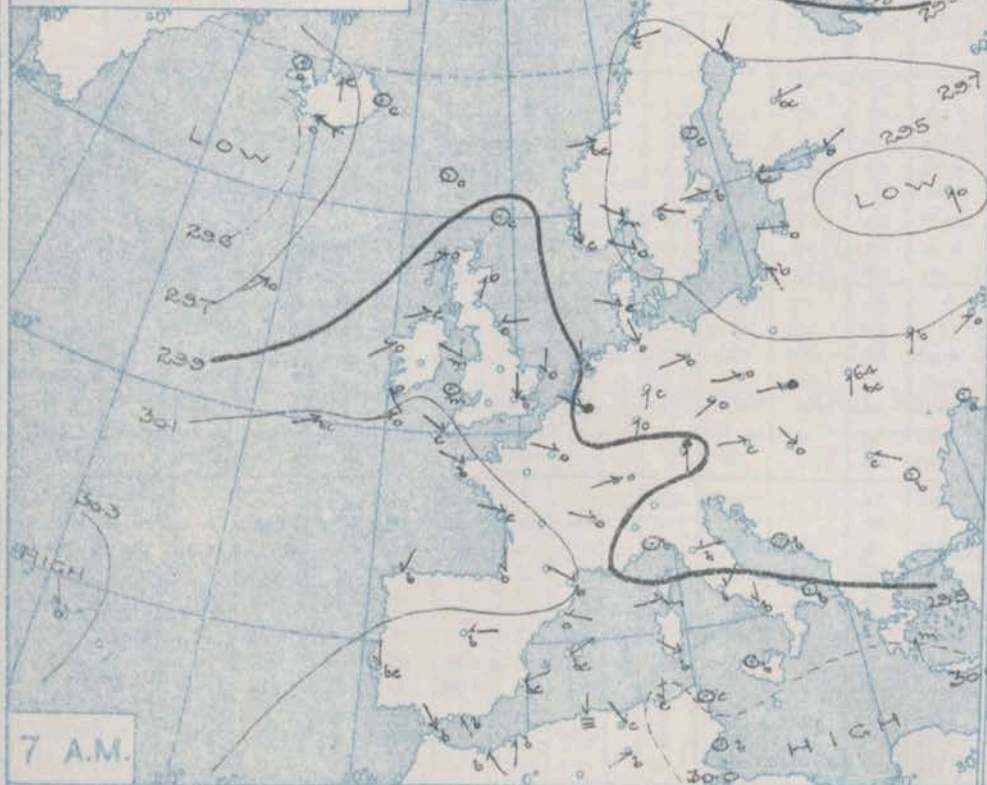
Thursday,
17th July 1913.

STATIONS.	YESTERDAY EVENING.						THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shine for Yester- day.
	BAROM.			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'g. 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.				
BRITISH ISLANDS.	Lerwick ...	29.86	55	SSE	2	bc	29.73	-0.3	55	+2	ESE	4	0	3	0.17	55	53	oap	oap	oap	0.0		
	Stornoway ...	29.80	54	S	5	o	29.74	+0.2	55	+1	W	3	0	3	0.35	55	52	r	r	oap	0.0		
	Castlebay (Barra Isd.)	29.77	55	SW	3	o	29.79	+0.2	54	+1	SW	3	0	3	0.01	59	54	c.o	o	oq	0.0		
	Glasgow ...	29.84	58	SW	3	c	29.86	+0.1	55	0	WSW	5	0	0	0.03	62	52	gm	gm	gm	0.0		
	Malin Head...	29.82	56	WSW	4	cmg.	29.85	+0.1	55	+2	SW	5	herg.	4	0.10	58	54	omp	omp	omp	0.0		
	Blackod Point ...	29.89	57	WSW	2	o	29.90	-0.2	58	+3	SW	3	r	2	0.06	61	52	omcl	om	om	0.0		
	Valencia ...	30.02	58	WSW	3	om	30.06	0.0	58	+3	SSE	1	om	3	0.02	64	54	og	c.og	odgo	0.0		
	Roche's Point ...	29.98	62	WNW	3	o	30.07	0	56	+1	SW	2	o	2	0.08	61	52	cpm	d.r	c.o	0.0		
	Birr Castle ...	29.94	59	SW	1	r	29.99	0	56	+3	SSW	1	r	0	0.05	65	54	c	-	omcp	0.0		
	Donaghadee ...	-	-	-	-	-	29.92	+0.3	56	+2	WSW	2	cp	2	0.01	63	55	bc	o	op	2.8		
ICELAND, FAEROE, &c.	Liverpool Obsy. ...	29.97	62	SW	3	c	29.99	+0.2	57	+2	W	4	o	3	0.06	61	55	c.og	c.og	cpm	0.6		
	Holyhead ...	29.97	56	SSW	4	cmg.	30.00	+0.3	56	0	WSW	3	og	2	0.01	63	57	bc	c	cpm	0.6		
	Pembroke (St. Ann's Hd.)	30.01	56	SW	4	o	30.07	+0.4	56	0	WNW	3	c	3	0.02	60	50	ogm	c	om	2.4		
	Newquay ...	30.07	58	SW	3	og	30.12	+0.3	58	0	W	3	o	2	-	61	57	c.b.	c.b.c	o	4.4		
	Scilly (St. Mary's)	30.08	58	WSW	3	omp	30.13	+0.2	58	+1	WNW	3	c	3	Trace	64	56	c	omp	cm	2.5		
	Jersey (St. Aubin)	30.12	61	W	4	o	30.16	0	59	0	W	4	ome	3	Trace	65	57	bc	c.og	cogp	5.8		
	Portland Bill ...	30.05	60	WSW	4	c	30.09	+0.3	59	+1	WSW	4	c	4	-	63	57	c	c	c	0.0		
	Dungeness ...	30.00	61	SW	5	o	30.05	+0.2	60	+3	SW	3	c	3	-	64	52	c.o	o	o.o	0.0		
	Dover ...	30.01	61	SW	2	c	30.05	0	59	+2	SW	2	c	3	-	66	51	c.b.c	c.b.c	c	4.2		
	Wick ...	29.83	54	S	2	c	29.72	-0.1	56	+4	WNW	2	o	2	0.07	56	52	cm.c	c	cpm	0.0		
SCANDINAVIA.	Nairn ...	29.82	60	-	0	c	29.74	0	58	+3	W	2	c	1	0.03	65	54	bc	bc.c	ep.c	1.2		
	Aberdeen ...	29.84	62	S	2	c	29.78	0.0	58	+4	SSW	1	o	1	0.03	63	54	c.o	o.c	c.o	0.6		
	Leith ...	29.85	63	W	2	o	29.84	+0.1	57	+1	SW	3	c	2	-	64	56	og	o	c.b.c	0.0		
	North Shields ...	29.93	62	SW	3	o	29.88	+0.1	57	+2	SSW	3	o	2	-	65	54	c	o	c	0.0		
	Spurn Head ...	29.96	61	WNW	3	o	29.95	0.0	58	0	WNW	4	c	6	0.01	61	54	c	om	cpm	3.8		
	Yarmouth ...	30.00	60	SSE	3	o	30.00	0.0	64	+7	SW	2	bc	1	-	64	50	bc	bc.o	o.b.c	3.6		
	Clacton-on-Sea ...	29.99	63	SSE	1	o	30.02	+0.2	58	0	W	2	o	2	-	66	54	c.o	o	o	1.1		
	Nottingham...	29.98	63	W	2	c	29.98	0	59	+3	SW	1	cpm	0	0.01	68	53	om	o.c	o	1.3		
	Bath ...	30.04	62	W	3	o	30.06	0	60	+2	WSW	1	o	0	-	66	57	c.o	o	o	2.2		
	London (Kew Obsy.)...	30.00	65	W	1	o	30.05	+0.2	58	-1	SW	1	o	0	Trace	69	53	by.b.c	og.d.o	o	2.4		
GERMANY, &c.	Spitzbergen ...	30.07	41	-	0	o	29.96	-0.3	43	+4	-	0	b	4	-	45	37	-	-	-	0.0		
	Isafjord...	29.60	56	E	2	o	29.65	+0.6	53	+2	-	0	o	0	-	55	37	-	-	-	0.0		
	Reykjavik ...	29.58	56	E	5	r	29.64	+0.1	50	-2	E	1	r	0	-	55	37	-	-	-	0.0		
	Vestmanna ...	29.62	50	E	5	r	29.62	+0.2	49	+1	-	0	r	1	-	55	37	-	-	-	0.0		
	Seydisfjord ...	29.68	58	E	3	c	29.65	+0.1	42	-7	-	0	f	0	-	55	37	-	-	-	0.0		
	Thorshavn ...	29.73	54	SE	2	o	29.62	0.0	53	+2	WNW	2	c	0	-	55	37	-	-	-	0.0		
	Haparanda ...	29.71	68	E	4	o	29.83	+0.4	72	0	SW	4	c	0	Trace	82	61	-	-	-	0.0		
	Hernösand ...	29.63	64	-	0	bc	29.76	+0.5	58	-5	N	2	r	0	0.16	70	57	-	-	-	0.0		
	Stockholm ...	29.89	67	-	0	b	29.72	+0.6	62	-5	N	4	o	0	-	70	59	-	-	-	0.0		
	Wisby ...	29.60	67	ESE	2	bc	29.71	+0.3	66	0	W	2	b	0	-	73	59	-	-	-	0.0		
FRANCE.	Karlstad ...	29.63	66	-	0	bc	29.85	+0.4	64	+5	N	4	b	0	-	73	59	-	-	-	0.0		
	Færder (X'ania Fjord)	29.64	67	WSW	2	o	29.80	+0.4	62	-1	N	4	b	2	-	58	61	-	-	-	0.0		
	Bodö ...	29.75	53	-	0	b	29.87	+0.4	52	-19	-	0	r	1	0.55	70	50	-	-	-	0.0		
	Christiansund ...	29.84	53	WNW	3	c	29.88	+0.1	54	+2	NE	2	bc	2	-	54	52	-	-	-	0.0		
	Skudesnaes ...	29.92	53	N	4	b	29.88	0.0	55	0	-	0	b	1	-	54	48	-	-	-	0.0		
	The Scaw (Skagen)...	29.70	59	W	3	b	29.78	+0.2	63	-1	W	4	b	1	-	72	55	-	-	-	0.0		
	Blaavands Huk ...	29.89	56	NW	5	o	29.96	+0.3	57	-2	NW	3	o	2	-	61	54	-	-	-	0.0		
	Cuxhaven ...	29.91	58	N	4	o	30.00	+0.2	56	-4	W	3	o	0	-	63	58	-	-	-	0.0		
	The Helder ...	29.99	58	NW	3	c	30.02	+0.1	61	+4	SSW	3	c	1	-	61	57	-	-	-	0.0		
	Brussels ...	30.02	57	WNW	1	o	30.08	+0.3	57	0	WSW	1	o	0	0.39	60	51	-	-	-	0.0		
SPAIN, PORTUGAL, &c.	Berlin ...	29.84	67	NW	3	b	29.97	+0.6	58	-6	NW	1	c	0	-	72	55	-	-	-	0.0		
	Frankfurt ...	29.95	61	SW	1	bc	30.05	+0.4	61	+4	SW	1	f	0	-	70	55	-	-	-	0.0		
	Munich ...	30.00	54	SW	4	o	30.08	+0.1	52	-2	SW	3	r	0	0.12	57	52	-	-	-	0.0		
	C. Gris Nez...	30.01	60	W	4	m	30.08	+0.3	60	+2	WSW	3	bc	3	0.04	68	57	-	-	-	0.0		
	La Hève ...	30.09	59	NW	4	o	30.12	0	55	-3	SW	4	f	4	0.04	63	52	-	-	-	0.0		
	Brest (St. Mathieu) ...	30.18	59	W	2	o	30.23	+0.3	59	+2	W	2	o	2	-	66	59	-	-	-	0.0		
	Lorient (Rec Melen)...	?	60	WNW	4	c	?	?	59	-1	W	3	c	2	-	66	54	-	-	-	0.0		
	Rochefort (Ile d'Alx)	30.15	63	WNW	4	bc	30.24	+0.4	60	0	NW	3	bc	0									

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



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.

The slight fall of the barometer in the west of Ireland appears to indicate the approach of another low pressure system from the Atlantic. This will spread eastward and

occasion further showers over the United Kingdom generally. The anticyclone in the south will eventually extend further northward.

FORECASTS FOR THE 24 HOURS NOON

- 0 {
a Westerly to South-Westerly winds,
b moderate or fresh; cool; cloudy,
occasional rain.
- 1 {
a South-Westerly winds,
b light; cool; cloudy, some
showers.
- 2 {
a
b
- 3 {
a
b
- 4 {
a Westerly and South-
b Westerly winds, light or moderate;
cool; cloudy, occasional slight
showers.
- 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.

Thursday

TO NOON Friday

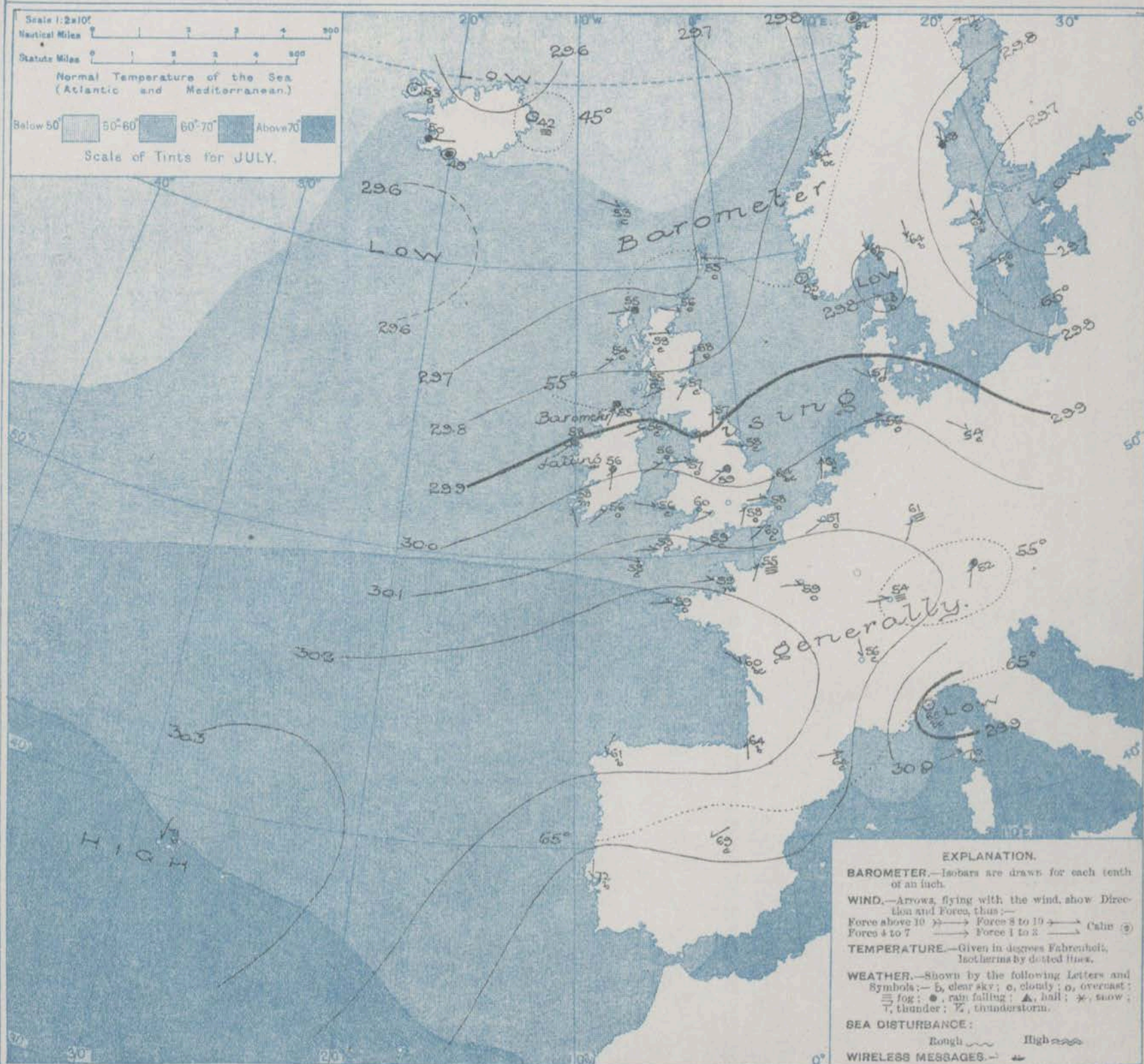
- 6 {
a
b South-Westerly winds,
freshening; cool; changeable,
showery.
- 7 {
a
b
- 8 {
a Westerly to South-Westerly winds,
b light or moderate; cool; cloudy,
occasional slight showers.
- 9 {
a
b South-Westerly to Westerly
winds, fresh in places; rainy at
first, improving temporarily later;
remaining cool.
- 10 {
a
b

11 WESTERN CHANNEL AND BAY.

Light or moderate Westerly to South-Westerly winds much Channel, with showery weather and a moderate sea. Light North-Westerly winds further south, with fair weather and a slight sea.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. THURSDAY, 17TH JULY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

A large anticyclone still lies over the southern portions of the North Atlantic and extends eastward as far as the Bay of Biscay and Western France. Shallow depressions are found over the Iceland-Faroe region and also over the Baltic. The barometer is rising over western Europe generally, but is falling slightly in the west of Ireland.

The wind is light to moderate from the Westward or South-Westward over the United Kingdom, but draws into North-West in the west of France. Light to moderate North-easterly breezes prevail in Sweden, calms or light variable airs in Iceland. Temperature has risen in most parts of the United Kingdom, and now ranges

from 64° at Great Yarmouth and a little below 60° in many parts of Great Britain to 55° or a trifle less on our extreme north and north-west coasts. The weather is fine in the south-west of France and also in the south of Scandinavia, but cloudy or dull over Western Europe generally. Rain is falling in the Hebrides and the northern and central parts of Ireland, as well as in Southern Iceland and the north of Scandinavia. The sea is slight or smooth generally.

DAILY WEATHER REPORT.

Thursday, 17th July, 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.	
16th, 6 p.m.	55	14	Empress of Britain	H	29.74	+0.4	W	4-5	f	16th, 1 p.m.	50	14	Sicilian	H	30.13	0.0	WSW	1-3	bc
"	51	14	Royal George	O	30.01	+0.3	W	4-5	o	"	56	20	Empress of Britain	H	29.72	+1.0	WSW	4-5	o
"	50	12	Sicilian	H	30.14	+0.4	WNW	1-3	bc.	"	50	16	Sicilian	H	30.13	+0.6	WSW	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.	
		In.	F. °	F. °			Hr.			In.	F. °	F. °			Hr.
Scotland.	Oban	England, S.E.	Margate	0.06	67	56	e	c	2.1
	Stonehaven	62	46	c	c	0.7		Ramsgate	0.10	64	55	*	*	3.2
	St. Andrews	63	53	o	o	0.3		Folkestone	0.12	66	55	p.b.c	bc	3.4
	Carnoustie ... ..	...	65	53	+	+	0.6		Littlestone	*	*	*	*	2.3
Eng. N.E.	Harrogate	0.01	65	53	c.b.c.	bc.c.	3.1	Hastings	0.02	66	56	op.bc	c.o.	2.6	
	Scarborough	*	64	53	o	a.c.	3.1	Bexhill-on-Sea	0.01	67	56	c.o	o	1.8	
England, N.W.	Blackpool ... ..	...	62	54	c	o	5.1	Eastbourne	-	66	56	o.c.bc	bc.o.	2.5
	Southport ... ..	...	62	54	bc.o.	o.bc.o.	4.1	Seaford	0.04	66	56	c	c	3.7
	Buxton ... ..	...	59	52	bc	bc	0.7	Brighton	0.05	67	53	c.b.c.c.	bc.c.o.	5.5
	Leamington Spa	0.05	66	56	o	o	1.2	Worthing	-	66	56	bc.o.	bc.c.o.c.	4.5	
	Douglas ... ..	...	59	50	o.c.	cd.o.	2.2	Littlehampton	0.04	*	*	*	*	2.6
	Maloon ... ..	...	62	54	o	c	0.2	Southsea	0.04	69	57	o.c.b.	a.bc.	3.1
Wales.	Rhyl ... ..	...	62	54	o	c	0.2	Bournemouth	0.52	66	54	c	ov	3.4
	Colwyn Bay ... ..	...	62	52	b.b.c.	bc.c.	0.0	Ryde	0.02	69	52	o	o.c.	2.3
	Llandudno ... ..	...	64	54	o	bc.c.	2.0	Exmouth	-	67	57	bc.c.	c.b.c.	5.4
	Bettws-y-Coed ... ..	...	*	*	*	*	*	Falmouth	-	66	56	o.b.	b.o.	6.8
	Aberystwyth ... ..	...	62	53	o	o	0.0	Weymouth	0.10	68	54	bc.c	c.	3.2
		...	62	53	o	o	0.0	Teignmouth	-	69	55	bc.c.	bc.b.	5.5	
England, E.	Lowestoft	0.02	61	55	o.c.	c.b.c.c.	3.0	Torquay	-	67	55	*	*	5.0	
	Felixstowe	0.02	67	56	cm.o	bc.m.	1.8	Paignton ... ..	...	...	...	...	...	...
	Walton-on-Naze	0.01	61	56	cm.c.	bc.m.	1.1	Ilfracombe	-	62	56	o	og.bc.o.	2.0	
	Southend-on-Sea	0.02	66	56	bc	bc	2.0	Weston-super-Mare	-	65	54	b.b.c.	c.b.c.b.	4.0	

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 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.																				
	%	%	F.*	F.*	F.*	In.				Hr.		In.	F.*	F.*	F.*				Hr.	
Greenwich (Royal Obay.) ...	76	83	67	52	45	0.01	0	o.c.p.o	0	1.5	Dublin to 4 p.m.	0.03	65	55	54	cp	o.c.	or	1.5	
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	1.7	Plymouth to 9 p.m.	-	67	53	49	o	o	c.b.	2.1	
Westminster (St. James's Pk.)	71	83	68	54	49	-	0	o.c.p	o.c.	1.4	Darwen "	-	60	52	52	bcw	c.b.	n.b.	2.2	
Camden Sq. (Brit. Rainfall)	68	78	70	52	50	-	0	c.o.	0	2.1	Manchester "	-								
Hampstead (Reservoir) ...	*	88	66	51	44	-	c.o.	cd.o	0	3.0	Birmingham "	-	62	54	51	o	o	o.c	0	
Kew. (See front page.)											Oxford to 8 p.m.	*	66	55	51	ogm	og.c.o.	o		
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																				
			Total.		Mean Rate.		Max. Rate.													
S. Kensington (Roof of M.O.)	77	88	1081 Joules.		18.7 Milliwatts.		60 Milliwatts.		26	S. Kensington (Museum Grounds to 6 p.m.)	0.03	68	53	50	et.c.b. at 2.	o	o.c.p.p			

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

17th & 18th July, 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 3.50 3.51	G.M.T. 11.59 11.59	G.M.T. 8.7 8.6
Greenwich	4.4 4.5	12.6 12.6	8.8 8.7
Wick	3.34 3.35	12.18 12.18	9.1 9.0
Valencia	4.41 4.42	12.47 12.47	8.52 8.51

During yesterday the thermometer rose to 65° and upwards in many parts of Great Britain, and reached 70° at Camden Square. The amount of bright sunshine was everywhere small. Showers fell generally in the west and north, and, locally, in several other districts. Wireless reports show that as far west as the 20th meridian ships experienced moderate to fresh breezes from the Westward or South-Westward 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; 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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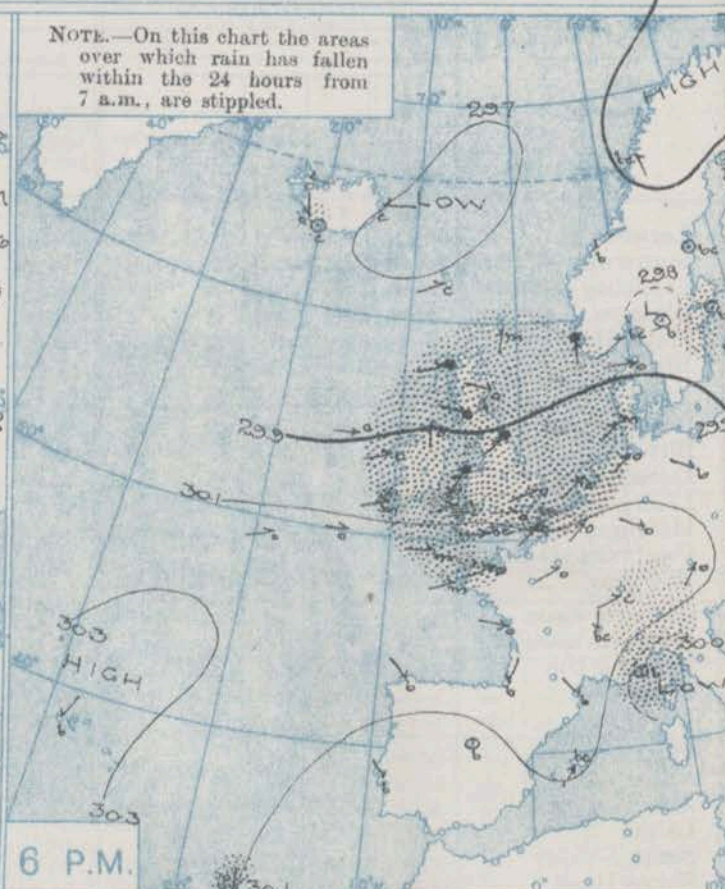
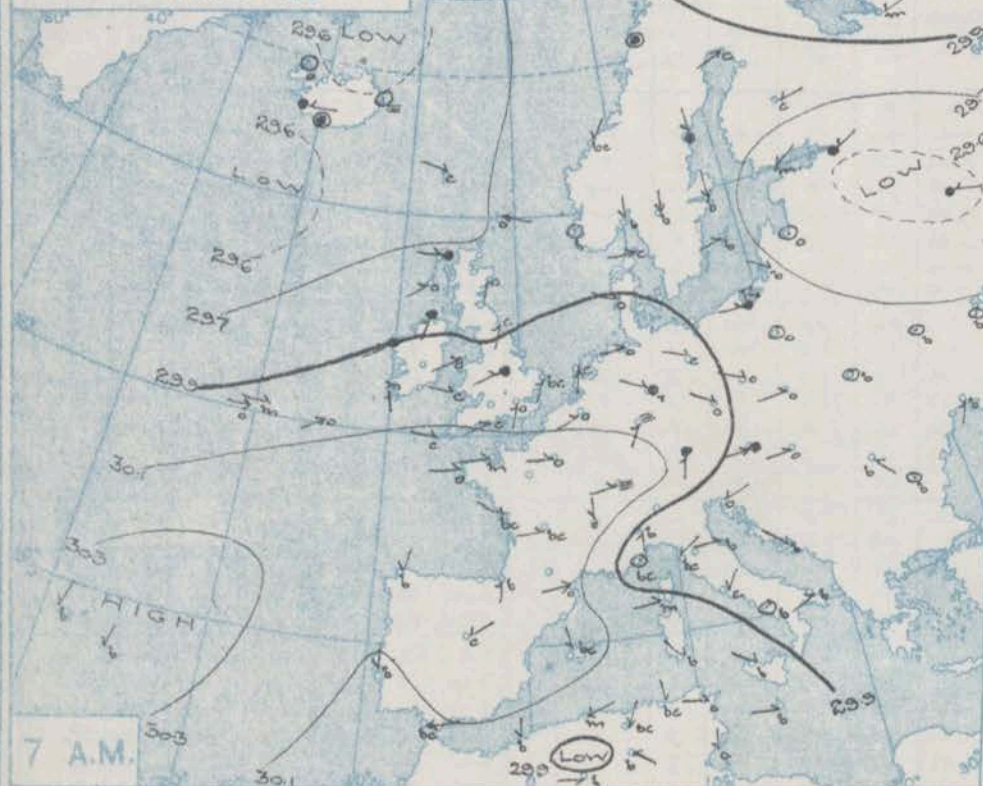
Friday
18th July 1913.

† Received too late for insertion in Charts.

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



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



GENERAL INFERENCE

The Atlantic anticyclone will probably continue to extend north-eastward, and a gradual improvement in the weather will take place over

WEATHER PROSPECTS.

these Islands, with some increase in temperature. Showers will be experienced to-day in many northern and eastern districts.

FORECASTS FOR THE 24 HOURS NOON

Friday

TO NOON Saturday

0 {
1
2 {
3
4 {
5

Westerly to North-Westerly winds, light or moderate; cloudy and showery to-day, finer to-morrow and rather warmer.

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 {
7 {
8 {
9 {
10 {

Westerly to North-Westerly winds, light or moderate; cloudy at first, with slight local showers, fine later and rather warmer.

Westerly and North-Westerly winds, light or moderate; fair generally; rather warmer.

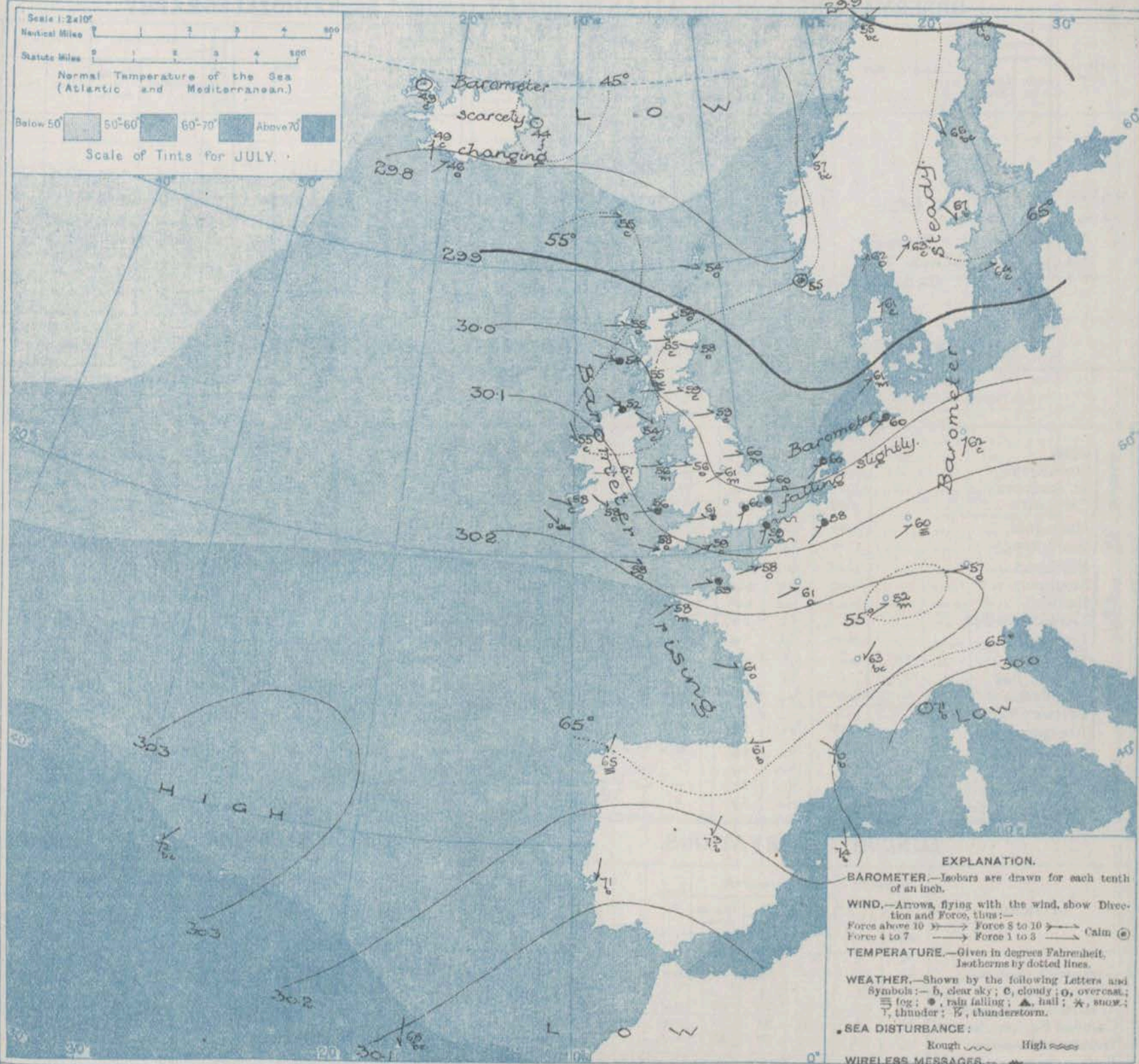
11 WESTERN CHANNEL AND BAY.

Moderate Westerly and North-Westerly winds, with fair weather and a slight or moderate sea; Westerly swell; rather warmer.

THE FURTHER OUTLOOK. (All Districts)

General conditions are likely to improve.

SYNOPTIC CHART FOR 7 A.M. FRIDAY, 18TH JULY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Barometrical pressure is still highest over the Azores region, but the borders of the anticyclone extend eastward as far as France and South Germany, and the barometer is rising in most parts of western Europe. A large shallow area of low readings extends from Iceland to Western Norway.

The wind is light or moderate from West or North-West over the United Kingdom generally, but is South-Western in the south-east of England, and in all neighbouring portions of the Continent. Temperature has changed rather irregularly. Over

the United Kingdom the morning readings range from 60° or a trifle above it over Eastern and Central England to 55° and less in the north of Ireland and the west and north of Scotland. Warm weather still prevails in Sweden and the south of France. Cloudy or overcast weather is reported rather generally. Rain is falling at several of our own southern stations, as well as in the Netherlands and North Germany, and showers are reported on our extreme north-west coasts. The sea is rather rough in the Straits of Dover, and moderate on our western and southern coasts generally, slight or smooth elsewhere.

DAILY WEATHER REPORT.

Friday, 18th July, 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 July, 7 a.m.	51	11	Baltic	H	30.15	00	WNW	1-3	0	17th July, 7 a.m.	49	19	Arabic	O	30.18	+0.04	WSW	1-3	0
17th July, 6 p.m.	50	15		H	30.11	+0.01	W	1-3	0	"	50	20	Royal George	O	29.94	+0.02	W	4-5	0
"	55	13	Victorian	O	29.87	+0.04	W	4-5	0	"	49	19	Baltic	H	30.03	+0.01	W	1-3	0
" 1 p.m. G.M.T.	46.45	51.30	Sea Scout "Scotia"	-	29.89	-0.01	NNE	2	0	"	50	15	Arabic	O	30.04	-0.01	WSW	4-5	0
Air Temperature, 46°. Sea Temperature, 46° 2.																			

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.	F.	F.			Hr.	England, S.E.		In.	F.	F.			Hr.
{ Oban ...		...	...	...	bc	cp	0.4	{ Margate ...		...	69	54	c	c	1.5
{ Stonehaven ...		0.02	66	55	bc	cp	0.4	{ Ramsgate ...		...	69	51	bc	bc	3.3
{ St. Andrews ...		...	66	54	bc	bc	5.3	{ Folkestone ...		...	64	53	bc	bc	3.1
{ Carnoustie ...		0.02	69	55	*	*	4.6	{ Littlestone ...		...	67	52	o.b.c.	bc	2.3
{ Harrogate ...		0.01	63	53	c	c.b.c.	1.7	{ Hastings ...		...	67	53	o.b.c.	bc	1.8
{ Scarborough ...		...	68	53	o.c.	o.c.	2.1	{ Bexhill-on-Sea ...		...	67	53	o.b.c.	bc	3.5
{ Blackpool ...		0.05	61	56	c	op	0.8	{ Eastbourne ...		...	65	53	o.b.c.	bc	4.3
{ Southport ...		0.09	61	56	o.b.c.	o.c.	0.5	{ Seaford ...		...	64	49	c	c	3.5
{ Buxton ...		0.01	64	60	bc.r.	bc	2.4	{ Brighton ...		...	67	53	bc.c.b.c.	bc.c.	2.4
{ Leamington Spa ...		...	68	55	o	o	0.8	{ Worthing ...		...	66	52	bc	bc	2.6
{ Douglas ...		0.07	59	54	od	od.c.	0.2	{ Littlehampton ...		...	67	52	bc	bc	1.6
{ Rhyl ...		0.03	65	57	o	o	0.7	{ Southsea ...		0.02	68	57	o.c.b.c.	bc	5.0
{ Colwyn Bay ...		...	68	56	bc	bc.c.u.	1.5	{ Bournemouth ...		...	67	56	c.o	c.o	0.2
{ Llandudno ...		0.01	64	56	o.c	o.c.	0.0	{ Ryde ...		...	67	58	bc.c.	bc.c.	3.2
{ Bettws-y-Coed ...		...	...	...	...	...	...	{ Weymouth ...		0.01	67	58	c.b.c.	bc.c.	4.8
{ Aberystwyth ...		0.12	61	54	o.c.o.	or	0.0	{ Teignmouth ...		...	74	58	bc	bc	3.2
{ Lowestoft ...		...	71	54	c.b.c.	c.b.c.	3.8	{ Torquay ...		...	73	58	*	*	3.6
{ Felixstowe ...		...	74	54	c	bc	2.8	{ Paignton ...		0.01	73	57	bc	bc	3.0
{ Walton-on-Naze ...		...	70	53	cm	bcg	1.6	{ Ilfracombe ...		0.04	62	57	o	ome	0.5
{ Southend-on-Sea ...		...	70	54	bc	bc	2.6	{ Weston-super-Mare ...		...	64	57	b.b.c.b.	bc.c.o.	1.2

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 Obay.) ...	%	%	F.*	F.*	F.*	In.				Hr.	Dublin to 4 p.m.	In.	F.*	F.*	F.*				Hr.	
City (Banhill Row) ...	60	95	74	59	57	0.08	o	o	o.0p	1.2	Plymouth to 9 p.m.	0.02	66	56	55	op	op	op	1.4	
Westminster (St. James's Pk.)	*	*	*	*	*	*	*	*	*	1.4	Darwen "	-	67	58	55	o	o	o	0.4	
Camden Sq. (Brit. Rainfall)	65	95	71	59	58	0.07	bc	bc	bc.or	1.4	Manchester "	0.13	62	52	49	or	o.b.	bc.or	0.3	
Hampstead (Reservoir) ...	58	96	73	59	58	0.20	o.c	c.b	o.or	2.0	Birmingham "	0.02	64	55	50	dp.o	c.o.	o.op	0.9	
Kew. (See front page.)	*	99	69	57	55	0.17	c	c	op.or	1.5	Oxford to 8 p.m.	0.01	68	55	50	o.	or	r	0.0	
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																				
Total.			Mean Rate.		Max. Rate.															
S. Kensington (Roof of M.O.)	73	96	12.04 Joules.		20.8 Milliwatts.		64.5 Milliwatts.			1.4	S. Kensington (Museum Grounds to 8 p.m.)	-	72	53	46	o	o.c.bc.	bc.o	*	

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

18th & 19th July, 1913.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 3.51 3.52	G.M.T. 11.59 11.59	G.M.T. 8.6 8.5
Greenwich ...	4.5 4.7	12.6 12.6	8.7 8.6
Wick ...	3.35 3.37	12.18 12.18	9.0 8.59
Valencia ...	4.42 4.44	12.47 12.47	8.51 8.50

NOTES ON YESTERDAY'S WEATHER.

During yesterday the thermometer rose to 70° and upwards in several parts of England, and to 74° at Greenwich, Felixstowe and Teignmouth, in the north of Ireland and the west of Scotland it did not reach 60°. The amount of bright sunshine was again very small, and rain fell in all districts. Wireless reports show that as far west as the 20th meridian ships experienced light to fresh breezes from the Westward or South-Westward, and dull, misty 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.

Saturday,
19th July 1913.

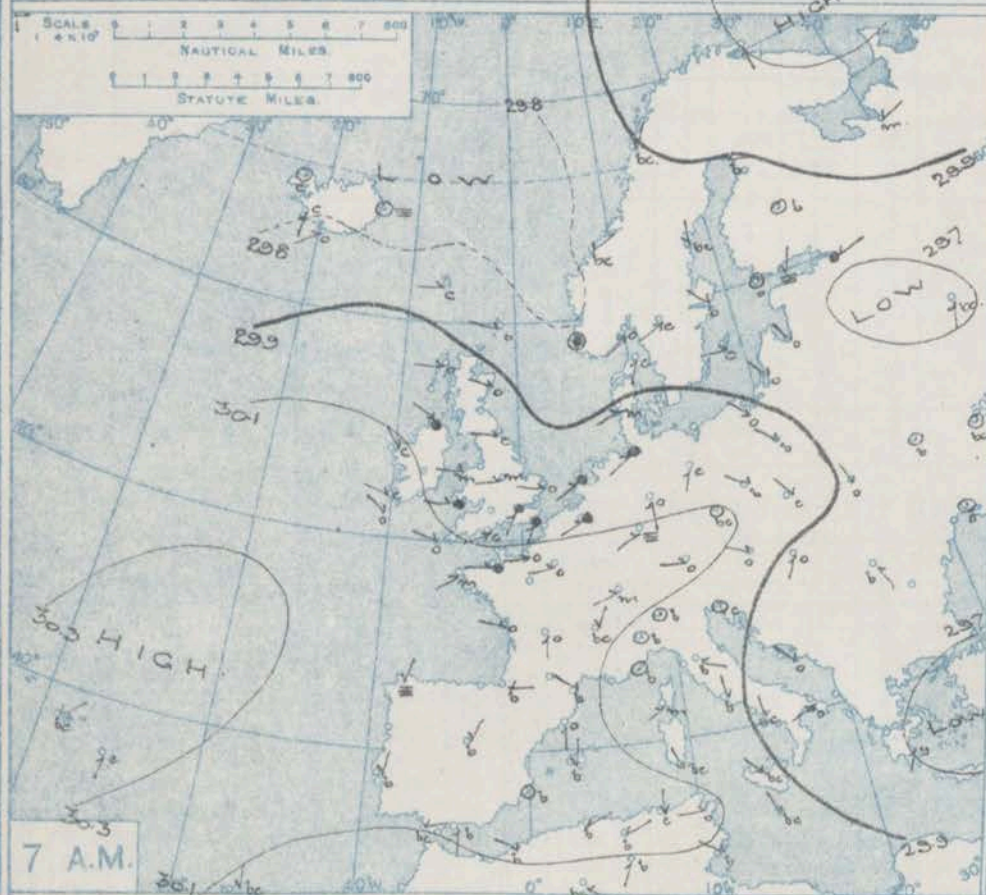
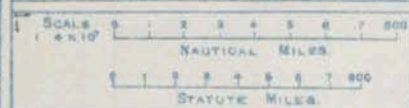
STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun- shine for Yester- day.
		BAROM.		TEMP.		WIND.	Force (0 to 12).	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.				
		At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Dir.	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).	Weather.	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.		Aftern. 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.
		In.	F.				In.	In.	F.							In.	F.	F.					Hours	
BRITISH ISLANDS.	Lerwick	29.94	55	WNW	3	c	29.90	-0.03	53	-1	W	2	c	2	-	58	50	c	c	c	c	*		
	Stornoway	30.08	54	W	4	o	30.03	-0.05	52	-3	W	3	r	3	0.07	58	50	odp	odp	odp	odp	0.0		
	Castlebay (Barra Isd.)	30.13	54	W	3	o	30.07	+0.01	54	0	WNW	3	o	2	0.02	57	52	op.o	op.o	op.o	op.o	0.1		
	Glasgow	30.09	58	W	3	o	30.07	-0.02	52	-3	W	2	c	*	-	64	50	b	b.beca	og.o	og.o	0.7		
	Malin Head	30.14	53	W	3	eg	30.08	+0.01	52	0	WNW	3	c	1	0.04	56	50	gmr	cm	cm.f	cm.f	*		
	Blackod Point	30.22	57	W	1	o	30.10	+0.03	57	+2	N	2	o	2	0.20	63	53	ov	ov	opm	opm	*		
	Valencia	30.29	61	W	2	bc	30.23	-0.06	57	-1	W	3	fm	4	0.07	63	56	b	bc	om	om	7.7		
	Roche's Point	30.25	64	N	3	bc	30.18	*	60	+2	NW	3	o	2	-	65	58	o	o.b	c.ov	c.ov	*		
	Birr Castle	30.22	62	NW	3	c	30.10	*	58	+1	W	5	r	*	0.18	63	55	c	c	c	c	1.3		
	Donaghadee	30.17	56	NNW	2	c	30.08	-0.02	52	-2	SW	1	fm	1	0.15	58	51	cp	cg	cg	cg	*		
SCANDINAVIA.	Liverpool Obsy.	30.17	56	WNW	4	o	30.09	-0.03	54	-2	W	3	r	3	0.13	61	53	up.b	ba.o	or	or	3.6		
	Holyhead	30.18	60	WNW	2	cm	30.09	-0.03	55	-1	SW	2	op	1	0.15	62	54	odf.b	b.beca	bc	bc	3.4		
	Pembroke (St. Ann's Hd.)	30.21	59	WNW	1	bc	30.14	-0.05	56	0	W	3	adm	3	0.02	62	55	adm	c.b	bc	bc	4.3		
	Newquay	30.22	61	WNW	4	bc	30.22	-0.01	58	0	WSW	3	af	3	-	63	57	af.o	bu	b.o	b.o	5.6		
	Scilly (St. Mary's)	30.26	62	NW	3	bc	30.24	-0.02	59	+1	WNW	4	cm	4	-	65	56	bc	bc	bc	bc	8.6		
	Jersey (St. Aubin)	30.24	62	W	4	c	30.25	*	60	+1	W	3	cm	3	0.01	65	53	and.o	o.c	om	om	1.3		
	Portland Bill	30.17	64	NW	4	c	30.19	-0.02	60	+1	W	4	c	4	-	65	57	c	c	c	c	*		
	Dungeness	30.07	61	NW	3	o	30.11	-0.04	57	-2	WSW	4	c	3	0.13	65	51	op	op	c.o	c.o	*		
	Dover	30.08	64	NW	2	o	30.12	*	58	-3	NW	4	c	2	0.12	66	52	r.o	c.bca	oco	oco	1.1		
	Wick	30.02	56	W	3	c	29.98	-0.03	53	-1	WSW	3	c	3	0.05	53	47	ompt	ompt	ep.c	ep.c	*		
GERMANY, &c.	Nairn	30.04	59	W	2	c	30.01	*	55	0	W	2	bc	1	-	64	49	bc	bc.o	bc	bc	1.1		
	Aberdeen	30.04	63	NW	1	o	30.01	-0.01	56	-2	WNW	3	b	2	-	66	51	so	co	o.b	o.b	1.7		
	Leith	29.97	68	W	2	bc	30.03	-0.01	55	-4	WSW	2	bc	*	-	70	53	c	c.b	bc	bc	*		
	North Shields	30.06	59	E	2	o	30.02	-0.02	53	-6	W	3	c	2	-	65	53	c	o	c	c	3.7		
	Spurn Head	30.08	60	NNE	2	c	30.05	-0.01	58	-5	WSW	5	o	5	0.01	65	54	omv	am	c.or	c.or	0.8		
	Yarmouth	30.06	62	NW	2	o	30.06	-0.02	54	-6	W	1	o	1	0.03	71	49	o	o	c.o	c.o	0.0		
	Clacton-on-Sea	30.05	64	WNW	1	op	30.09	-0.04	55	-5	WNW	2	o	1	0.07	66	53	or.og	op.og	og	og	0.0		
	Nottingham	30.09	62	W	5	bc	30.07	*	58	-6	WSW	2	opm	*	0.04	65	53	om	om	bc	bc	1.4		
	Bath	30.15	66	NNW	1	o	30.15	*	58	-5	W	-	o	*	0.01	68	54	o	o	o	o	1.3		
	London (Kew Obsy.)	30.12	64	NW	2	o	30.13	-0.01	57	-3	W	1	om	*	0.03	67	54	om	om	o	o	0.4		
ISLAND, FAEROE, &c.	Spitzbergen	29.97	52	-	0	b	30.01	+0.02	43	+2	SW	2	b	*	-	54	39							
	Isafjord	29.74	50	E	4	o	29.95	+0.06	44	-0.02	SW	4	o	*	-	*	*							
	Reykjavik	29.80	54	S	3	o	30.01	+0.03	50	+0.01	W	1	o	*	-	*	*							
	Vestmanna	29.82	49	WSW	4	o	30.00	+0.05	46	-0.00	NW	4	o	1	x	*	*							
	Seydisfjord	29.70	56	-	0	c	29.86	+0.07	43	-0.01	SW	3	c	*	-	*	*							
	Thorshavn	29.93	54	W	4	o	29.84	-0.01	50	-0.05	WNW	4	c	*	-	*	*							
	Haparanda	29.84	70	-	0	c	29.79	-0.02	70	-1	E	4	b	*	-	72	59							
	Hernösand	29.80	63	-	0	bc	29.70	-0.04	65	-1	-	0	c	*	-	70	61							
	Stockholm	29.81	63	WSW	2	o	29.76	-0.02	66	-1	WSW	2	b	*	-	73	59							
	Wisby	29.84	63	SW	2	b	29.77	-0.03	65	+1	S	2	bc	*	-	70	59							
FRANCE.	Karlstad	29.82	64	-	0	c	29.74	-0.02	62	-1	SW	2	c	*	-	70	58							
	Færder (X'lanta Fjord)	29.78	62	SSW	4	bc	29.68	-0.02	65	+3	S	1	c	2	-	64	61							
	Bodö	29.80	60	N	2	b	29.75	-0.01	62	-7	E	1	c	1	0.16	62	54							
	Christiansund	29.82	57	-	0	bc	29.76	+0.01	54	-3	-	0	o	2	0.03	59	52							
	Skudesnaes	29.87	57	W	2	o	29.82	-0.05	55	0	NNE	4	c	2	0.32	57	52							
	The Scaw (Skagen)	29.84	58	WNW	3	b	29.73	-0.01	60	-1	WSW	3	c	0	-	68	55							
	Blaavands Huk	29.92	60	NW	2	fm	29.90	-0.01	58	-3	NW	4	o	3	-	64	55							
	Cuxhaven	29.91	60	W	4	o	29.94	-0.03	59	-1	NW	3	o	0	0.51	64	59							
	The Helder	30.08	60	WNW	3	c	30.01	-0.01	59	-1	W	2	c	1	0.18	63	61							
	Brussels	30.07	60	WNW	1	o	30.09	-0.02	58	0	WSW	1	o	*	0.32	61	55							
SPAIN, PORTUGAL, &c.	Berlin	29.95	62	W	1	c	29.89	-0.01	60	-2	SW	3	o	*	0.59	73	59							
	Frankfurt	30.06	58	SW	1	r	30.04	-0.02	64	+4	NW	1	bc	*	0.20	64	59							
	Munich	30.08	61	W	2	c	30.00	-0.01	56	-1	W	4	r	*	0.04	65	54							
	C. Gris Nez	30.09	61	W	2	o	30.12	-0.03	58	0	WNW	4	o	4	0.32	63	57							
	La Hève	30.18	61	W	4	o	30.19	*	59	+1	NW	3	bc	3	-	63	54							
	Brest (St. Mathieu)	30.27	61	NW	2	fm	30.34	-0.07	58	0	NW	2	o	2	-	68	57							
	Lorient (Rec Melen)	30.17	61	WNW	4	bc	30.25	*	58	-1	W	2	o	2	-	64	54							
	Rochefort (Ile d'Als)	30.27	63	NW	4	o	30.27	+0.02	63	+2	NW	3	o	*	-	68	61							
	Biarritz</																							

GALES.
Duration and Extreme Force
on British Coasts.

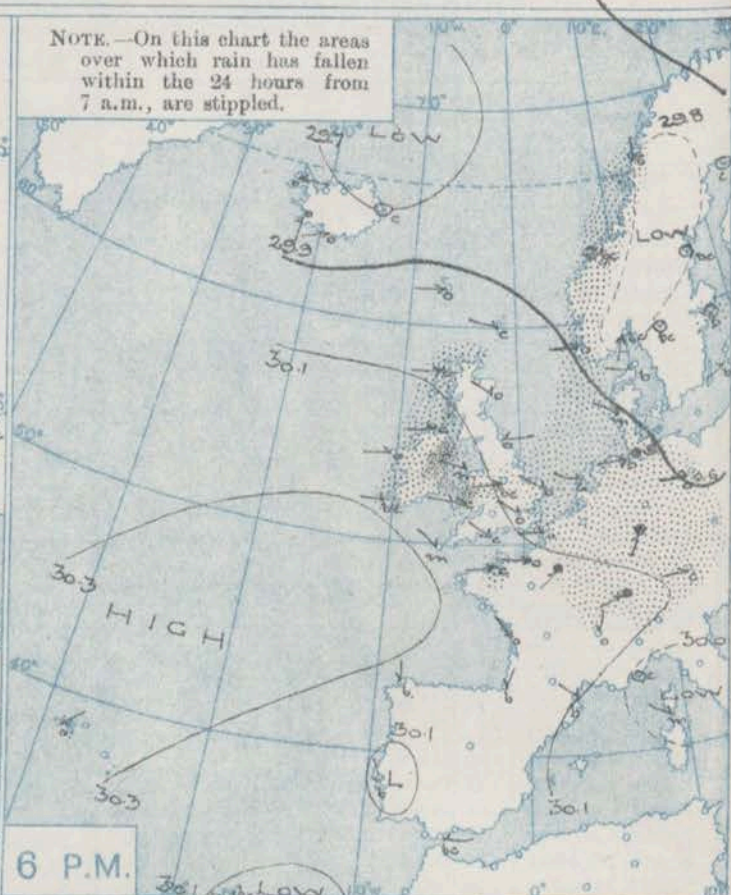
* Information for these columns not usually received.

† Received too late for insertion in Charts.

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



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.

The small secondary depressions which are passing across the United Kingdom are likely to occasion showers in all districts. The Atlantic

anticyclone will subsequently spread eastward and cause improving weather in the west and south. Temperature will remain below the normal.

FORECASTS FOR THE 24 HOURS NOON Saturday TO NOON Sunday.

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

Westerly to North-
Westerly winds, light or moderate;
cool; changeable, some
showers.

Westerly to North-Westerly
winds, moderate or fresh; cloudy
to-day, finer to-morrow;
remaining cool.

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

Westerly to North-Westerly
winds, moderate; showery at first,
then fair; remaining cool.

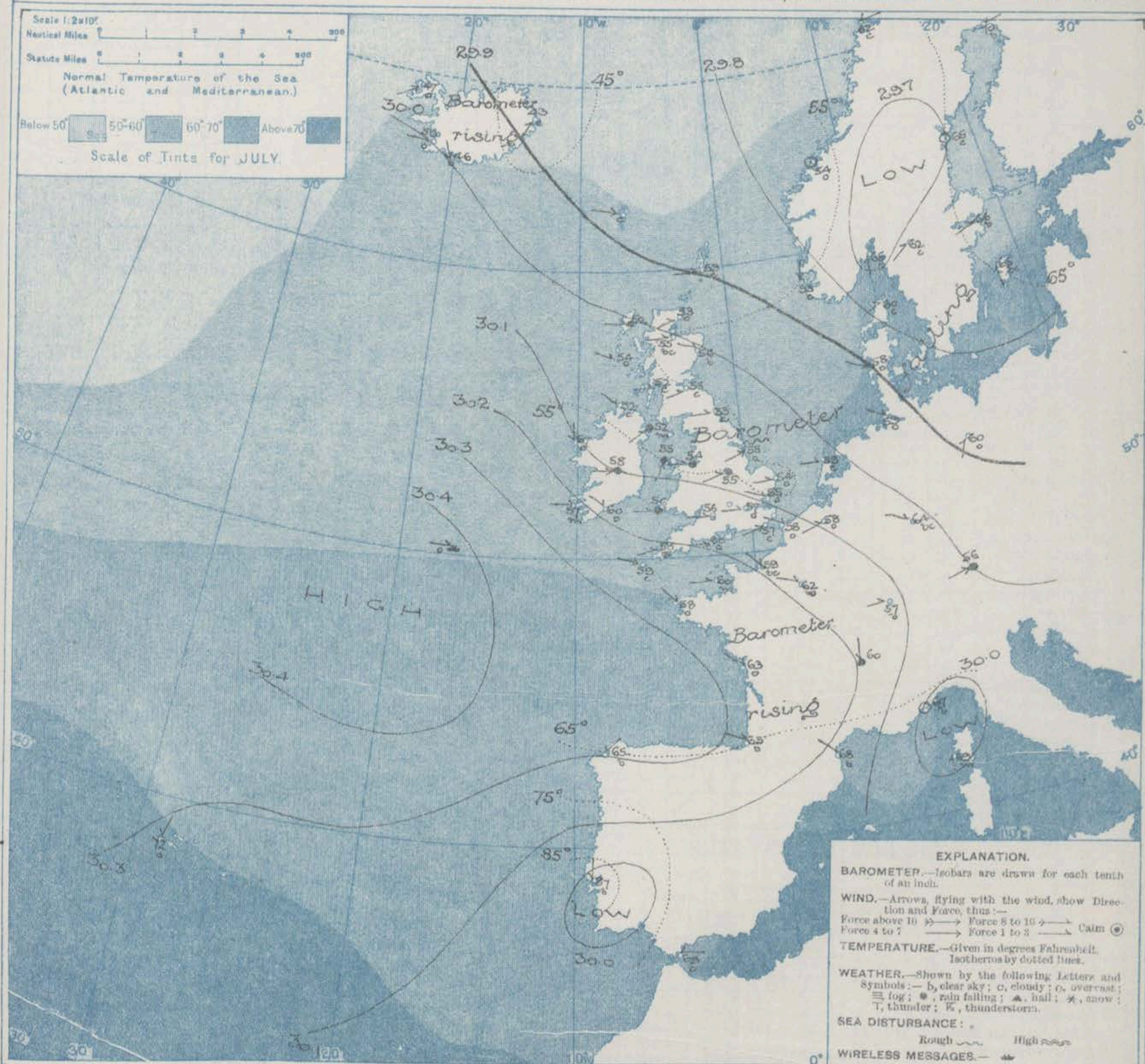
North-Westerly winds, light
or moderate; showery at first,
then fair; remaining cool.

11 WESTERN CHANNEL AND BAY.

Moderate to fresh North-
Westerly winds and a moderate sea;
fair generally, mist and slight showers
locally; cool.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. SATURDAY, 19TH JULY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

A large anticyclone lies over the central and southern parts of the North Atlantic, where the barometer is above 30.4 in. A shallow depression exists over Scandinavia, and small secondary disturbances are passing from north-west to south-east across the United Kingdom.

The wind is light to moderate from the Westward or North-Westward over Western Europe generally, but is South-Westery over the Irish Sea. Light Southerly or South-Westery breezes prevail in the south of Sweden, and easterly breezes in the north of Scandinavia. Temperature has risen

slightly in Ireland and France, but fallen in most other countries. Over the United Kingdom the morning readings range from 60° at Portland Bill and Roche's Point to 55° and less in most of the northern, eastern and central districts, and to 52° at Stornoway, Glasgow and Donaghadee. In the south of France and in Sweden the thermometer is above 65°. The weather is fine in the east of Scotland, and also in Sweden, but cloudy or overcast elsewhere, with rain over the western and central parts of the United Kingdom, as well as at Munich. The sea is moderate on some of the more exposed parts of our western and southern coasts, slight or smooth elsewhere.

DAILY WEATHER REPORT.

Saturday, 19th July, 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.	
19th, 7 a.m.	50	17	Bedouin	O	30.08	+0.04	W	1-3	0										
18th, 4 p.m.	51	11		O	30.31	-0.06	WNW	1-3	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.	F.	F.			Hr.	England, S.E.		In.	F.	F.			Hr.
{ Oban ...		...	...	...	bc	ca	0.2	{ Margate ...		0.13	66	59	op	op. o	0.4
{ Stonehaven ...		...	...	...	bc	bc	0.5	{ Ramsgate ...		0.17	66	58	bc	bc	1.6
{ St. Andrews ...		...	...	...	bc	bc	0.5	{ Folkestone ...		0.24	66	57	bc	bc	0.6
{ Carnoustie ...		...	...	...	bc	bc	0.5	{ Littlestone ...		...	...	...	bc	bc	0.6
{ Harrogate ...		0.01	64	55	c. bc. o	c. o	0.7	{ Hastings ...		0.36	68	58	ot	o. bc. c	1.1
{ Scarborough ...		...	...	...	bc	bc	2.7	{ Bexhill-on-Sea ...		0.31	69	59	bc	c. bc	1.4
{ Blackpool ...		...	...	...	bc	bc	4.8	{ Eastbourne ...		0.18	64	56	bc	od. e	1.0
{ Southport ...		0.05	61	57	bc	bc	3.7	{ Seaford ...		0.25	67	58	ot. c	c. o	0.9
{ Buxton ...		0.05	61	50	bc	bc	3.7	{ Brighton ...		0.33	67	58	ot. c	c. o	0.9
{ Leamington Spa ...		0.10	64	58	bc	bc	0.8	{ Worthing ...		0.37	68	59	ot	c	1.2
{ Douglas ...		0.01	59	53	bc	bc	3.0	{ Littlehampton ...		...	...	...	bc	bc	1.5
{ Rhyl ...		0.06	60	56	bc	bc	2.5	{ Southsea ...		0.06	69	60	ot. c. b	c. b. o. c	0.8
{ Colwyn Bay ...		...	...	...	bc	bc	1.7	{ Bournemouth ...		0.01	69	58	bc	c. o	0.3
{ Llandudno ...		...	...	...	bc	bc	2.3	{ Ryde ...		0.05	67	62	bc	bc	2.7
{ Bettws-y-Coed ...		...	...	...	bc	bc	1.0	{ Portsmouth ...		0.01	68	59	bc	bc	2.7
{ Aberystwyth ...		0.34	61	57	bc	bc	1.0	{ Weymouth ...		...	...	...	bc	bc	2.3
{ Lowestoft ...		0.08	66	59	bc	bc	0.0	{ Teignmouth ...		...	...	...	bc	bc	2.5
{ Felixstowe ...		0.18	66	59	bc	bc	0.0	{ Torquay ...		...	...	...	bc	bc	2.5
{ Walton-on-Naze ...		0.27	66	58	bc	bc	2.7	{ Paignton ...		...	...	...	bc	bc	2.5
{ Southend-on-Sea ...		0.14	70	59	bc	bc	2.0	{ Ilfracombe ...		0.05	63	58	bc	bc	1.6
								{ Weston-super-Mare ...		...	...	...	bc	bc	1.0

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.		Rain-fall.	WEATHER.		Sunshine for Yesterday.	STATIONS.	Rain-fall.	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.	
Greenwich (Royal Obs.) ...	69	80	69	53	4.6	bc	bc	0.3	Dublin to 4 p.m.	0.02	66	57	bc	bc	0.4
City (Bunhill Row) ...	...	...	...	...	...	...	...	0.4	Plymouth to 9 p.m.	0.01	68	58	bc	bc	0.5
Westminster (St. James's Pl.)	68	84	68	55	5.0	bc	bc	0.3	Darwen "	0.28	64	53	bc	bc	2.7
Camden Sq. (Brit. Rainfall)	53	82	69	53	5.1	bc	bc	0.3	Manchester "	0.02	65	57	bc	bc	2.3
Hampstead (Reservoir) ...	...	...	...	...	...	...	...	0.3	Birmingham "	0.02	63	56	bc	bc	2.3
Kew. (See front page.)	...	...	...	...	...	...	...	0.3	Oxford to 8 p.m.	...	67	58	bc	bc	...
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.									S. Kensington (Museum Ground to 6 p.m.)						
			Total.	Mean Rate.	Max. Rate.										
S. Kensington (Roof of M.O.)			74	76	64.6 Joules.	11.2 Milliwatts.	73.5 Milliwatts.	0.5							

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

19th & 20th July, 1913.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 3.52 3.54	G.M.T. 11.54 11.59	G.M.T. 8.5 8.4
Greenwich ...	4.7 4.8	12.6 12.6	8.6 8.5
Wick ...	3.37 3.39	12.18 12.18	8.59 8.5
Valencia ...	4.44 4.46	12.47 12.47	8.50 8.49

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.

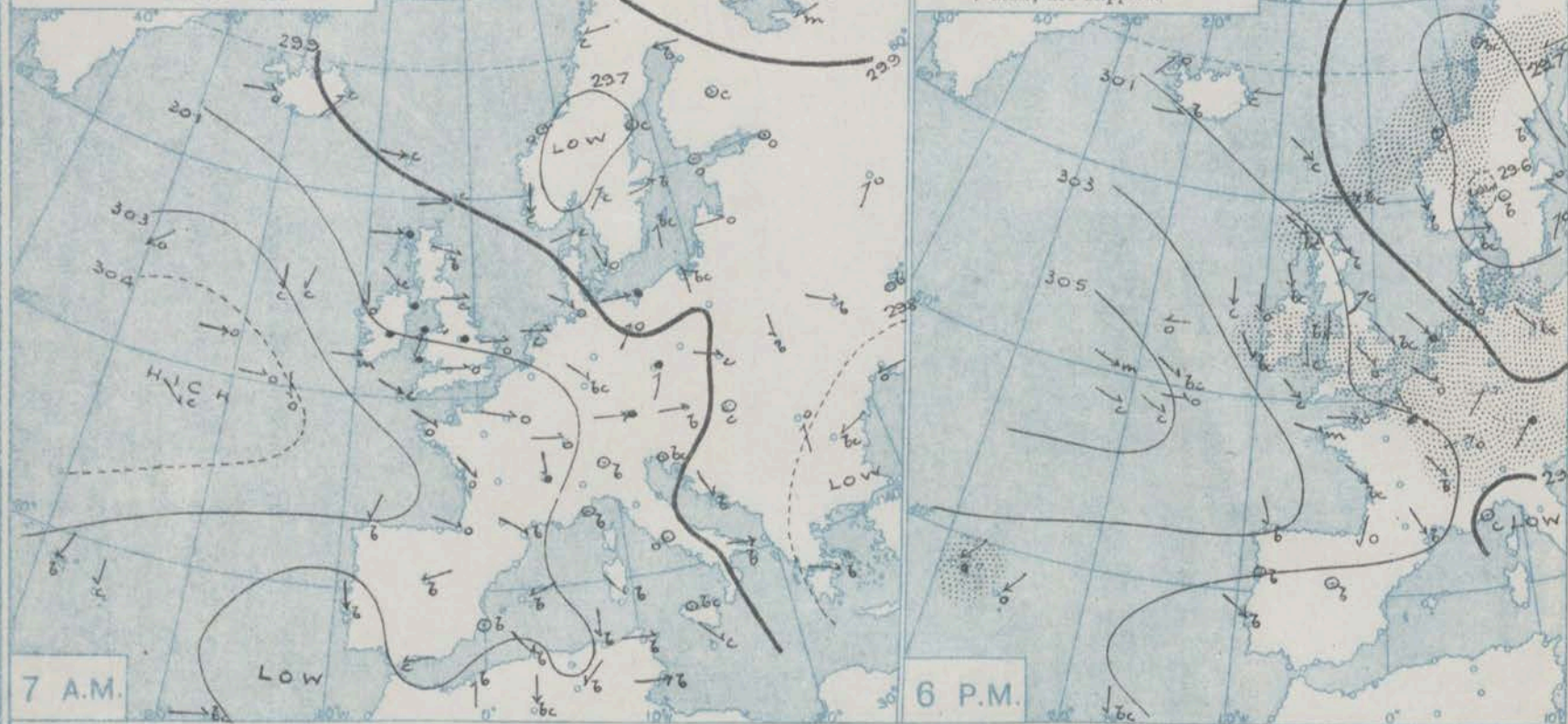
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† Received too late for insertion in Charts.

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



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

FORECAST DISTRICTS.



STORM WARNINGS.

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

Signals hoisted yesterday.

South Cone. ⚡

North Cone. ⚡

Signals hoisted this morning.

South Cone. ⚡

North Cone. ⚡

NO WARNINGS
ISSUED.

6 {
a
b

7 {
a
b

8 {
a
b

9 {
a
b

10 {
a
b

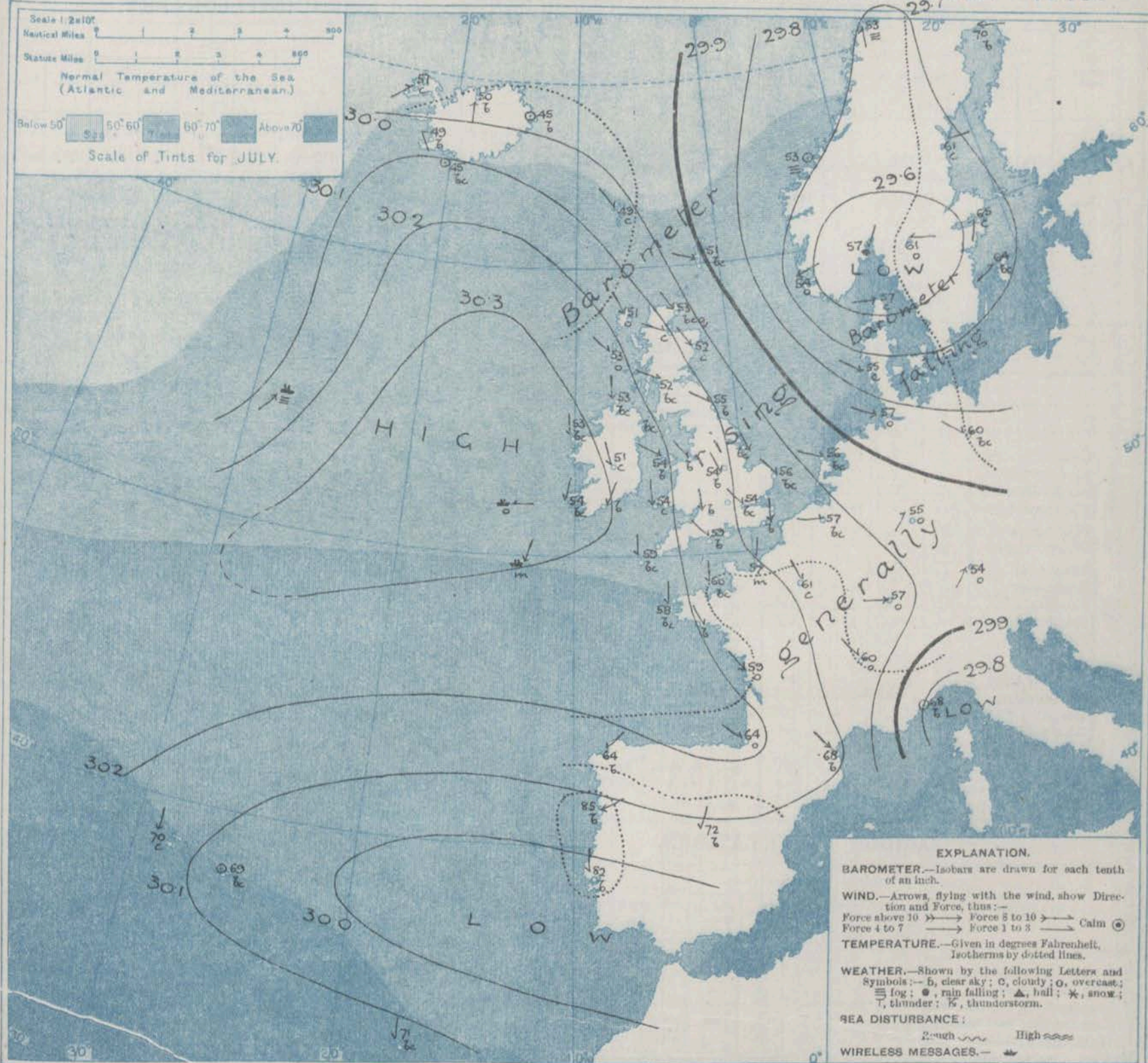
11 WESTERN CHANNEL AND BAY.

THE FURTHER OUTLOOK.

None Issued.

None Issued.

SYNOPTIC CHART FOR 7 A.M. SUNDAY, 20TH JULY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

An extensive anticyclone embraces the Eastern Atlantic and Western Europe, its central space, with the barometer above 30.3 in., being over Western Ireland and out at sea. In a depression over Scandinavia pressure is down to 29.5 in. at Lørden. There is a considerable gradient over the Eastern portion of the North Sea and beyond, elsewhere it is slight.

North-Westerly to Northerly winds prevail, mostly moderate to very light in force. Over the British Isles temperature ranges from 50° at Rain to 60° at Jersey; on the Continent from 53° at Christiansund to

82° at Lisbon; and in Iceland from 48° to 51°. At Spitzbergen the reading is 45°. Fog is reported on the Norwegian coast and rain is falling on Christiania Fjord, but generally the weather is fair to very fine. The sea is rather rough off the land, moderate to very smooth elsewhere.

DAILY WEATHER REPORT.

Sunday, 20th July, 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.	
19th, 6 p.m.	48 59	4 21	H.M.S. Dryad, 61°; Wet Bulb, 60.5°; Sea Temperature, 59°; Sea Disturbances, 3.	O	30.22	-0.7	WNW	4	md	19th, 6 p.m.	55 13	13	Caledonia	H	30.27	-0.2	N	(0-12)	b
20th, 7 a.m.	49 13		Island	H	30.30	0.0	NNE	4-5	mv		55 12		Corsican	H	30.27	-0.4	N	4-5	c
19th, 6 p.m.	50 21		Cedric	O	30.37	+0.1	WNW	4-5	mv	7 a.m.	53 30		Victorian	O	30.27	+0.1	NE	1-3	o
	52 18		Montezuma	H	30.31	-0.1	E	4-5	o		48 22		Island	H	30.48	-0.1	NW	1-3	c
	48 18		Island	H	30.42	-0.2	WNW	1-3	c		52 21		Montezuma	H	30.23	+0.4	W	4-5	o
	50 17		Andania	O	?	0.0	WNW	1-3	bc		48 20		Montezuma	H	30.57	-0.5	WNW	1-3	o
	49 16		Montezuma	H	?	-0.2	W	1-3	o		54 18		Caledonia	H	30.30	-0.3	N	1-3	c
											55 15		Corsican	H	30.21	0.0	NE	1-3	c
											49 15		Majestic	H	30.42	-0.1	WNW	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	...	...	...	...	...	...	England, S.E.	Margate	0.09	62	56	T	o	0.5
	Stonehaven	...	...	...	...	...	...		Ramsgate	...	60	53	*	*	0.5
	St. Andrews	...	...	...	...	...	...		Folkestone	0.08	62	54	ot-o	ot	0.1
	Carnoustie	0.06	69	53	p	p	6.4		Littlestone	...	...	...	...	...	0.1
England, N.E.	Harrogate	0.03	63	50	c	c	1.7	England, S.E.	Hastings	0.12	62	53	ot	o	0.0
	Scarborough	...	...	...	...	...	...		Bexhill-on-Sea	0.12	62	53	rg	go	0.1
England, N.W.	Blackpool	...	61	53	o-bc	bc	6.6		Eastbourne	0.37	62	54	o-bc-r	ow	1.0
	Southport	0.12	60	52	r-o-bc	bc-b	6.4		Seaford	0.25	65	53	o	ot	0.1
	Buxton	0.13	61	49	bc-r	bc	1.5	England, S.W.	Brighton	0.11	61	53	o-bc	c-o	0.0
	Leamington Spa	0.13	64	50	o	o	0.0		Worthing	0.07	63	53	ot	r-o	0.0
Wales.	Douglas	0.10	60	50	od	bg	5.4		Littlehampton	0.03	...	...	...	...	0.0
	Rhyl	0.13	61	54	c-bc	bc-b	7.8	England, S.W.	Southsea	...	...	...	...	...	0.1
	Colwyn Bay	...	61	52	bc	bc	4.6		Bournemouth	0.01	67	52	o	c-o	0.0
	Llandudno	...	...	...	...	...	...		Ryde	...	67	60	c	c	0.0
England, E.	Bettws-y-Coed	...	...	...	...	...	...	England, S.W.	Falmouth	...	68	55	c-o	o	1.3
	Aberystwyth	0.18	61	57	r-o-c	c-bc	5.0		Weymouth	0.02	68	56	op-c	b-e	1.4
	Lowestoft	...	...	...	...	...	...		Teignmouth	...	71	54	b	bc	7.0
	Felixstowe	0.04	62	54	m-ot	emp	1.1		Torquay	...	69	55	*	*	4.3
England, E.	Walton-on-Naze	0.03	65	53	cy-p	bc-c-bc	0.8	England, S.W.	Paignton	...	71	54	bc-c	c	0.0
	Southend-on-Sea	0.07	62	54	op	o	0.0		Ilfracombe	...	60	57	om-o	o	0.0
									Weston-super-Mare	...	...	...	...	...	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 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.																	
%	%	F.°	F.°	F.°	lb.				Hr.		in.	F.°	F.°	F.°						
Greenwich (Royal Obs.) ...	71	70	64	53	49	0.17	ot	ot	ot-o-bc	0.0	Dublin to 4 p.m.	0.16	64	56	55	ot	cp	c-b	0.0	
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	0.2	Plymouth to 9 p.m.	-	67	51	48	b	o	o-b	1.6	
Westminster (St. James's Pk.)	72	73	64	53	52	0.13	od-ot	ot-o	o-c-bc	0.0	Darwen	0.13	63	50	53	r	cy	b	6.3	
Camden Sq. (Brit. Rainfall)	89	67	67	52	50	0.14	ot	ot-o	c-bc	0.1	Manchester	0.10	65	53	*	ot	c-bc	bc-b	5.3	
Hampstead (Reservoir) ...	*	67	69	50	44	0.13	ot	ot-c	bc-c	0.1	Birmingham	0.08	63	52	48	r	o	o-c-b	0.1	
Kew. (See front page.)											Oxford to 8 p.m.	*	64	52	48	bc-o	ot	o	0.1	
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																				
			Total.		Mean Rate.		Max. Rate.													
S. Kensington (Roof of M.O.)	77	66	56.8 Joules.		9.9 Milliwatts.		51.5 Milliwatts.		0.0	S. Kensington (Museum Grounds to 6 p.m.)	0.13	64	54	47	o-c-bc bc-c-ot	ot-o	ot-o			

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

20th & 21st July, 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 3.54 3.56	G.M.T. 11.59 11.59	G.M.T. 8.4 8.2
Greenwich	4.8 4.9	12.6 12.6	8.5 8.3
Wick	3.29 3.41	12.18 12.18	8.57 8.55
Valencia	4.46 4.47	12.47 12.47	8.49 8.48

Low maximum temperatures ruled over this country yesterday, the highest reading being 67° at Bir Castle. Rain fell in most places, but only in small amounts. Holyhead had 7½ hours of sunshine and Aberdeen 7½ hrs, but an extensive region had none or less than an hour. As far west as the 30th meridian, ships had light variable northerly to easterly breezes, with cloudy to overcast weather, local mist or fog.

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.

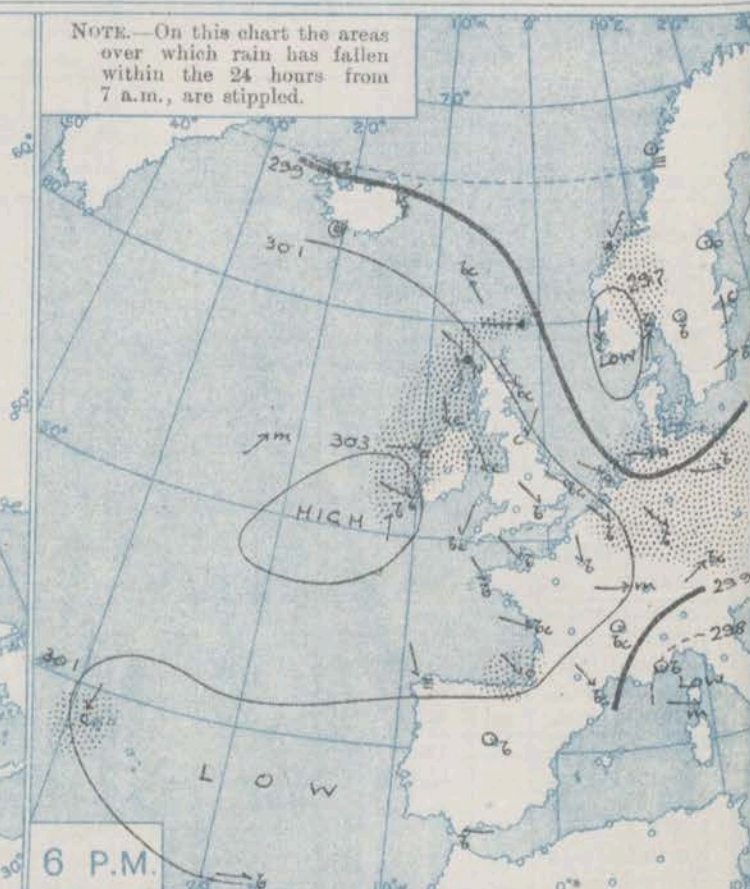
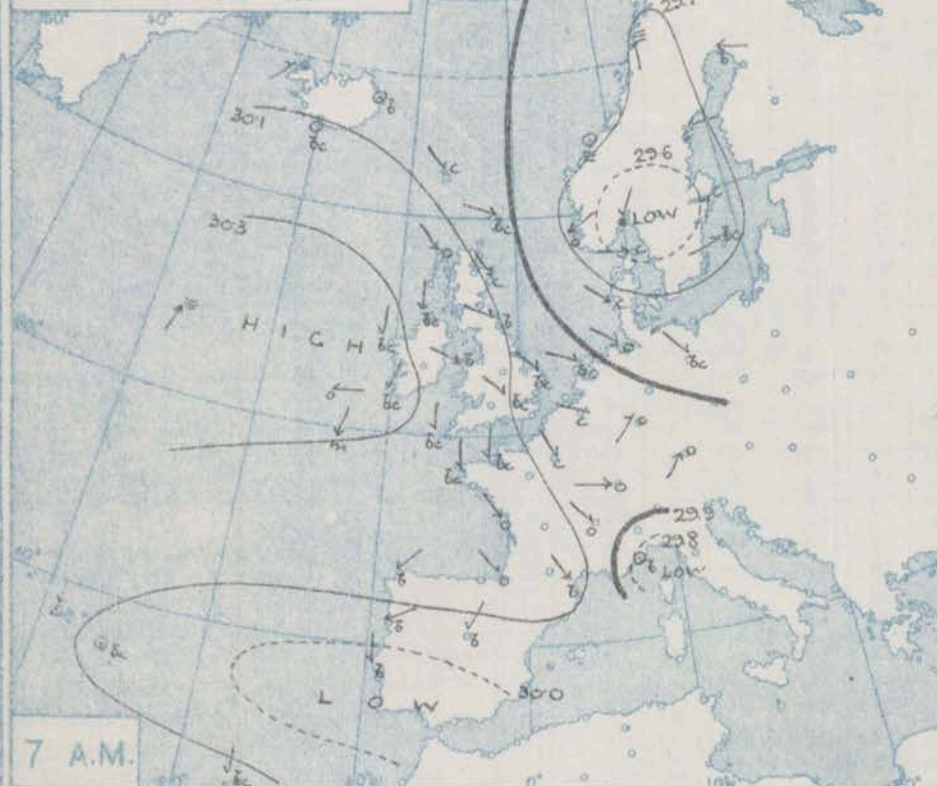
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† Received too late for insertion in Charts.

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



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.

Within the anticyclone off our western coasts a shallow depression has formed in the

course of the past night, and it will occasion more or less rain in all districts.

FORECASTS FOR THE 24 HOURS NOON

Monday

TO NOON Tuesday.

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

Variable winds between North-West and South-West, light to moderate; fair to dull, some rain, mist in places; very cool.

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.

No Warnings Issued.

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

Same as Nos. 0 to 5.

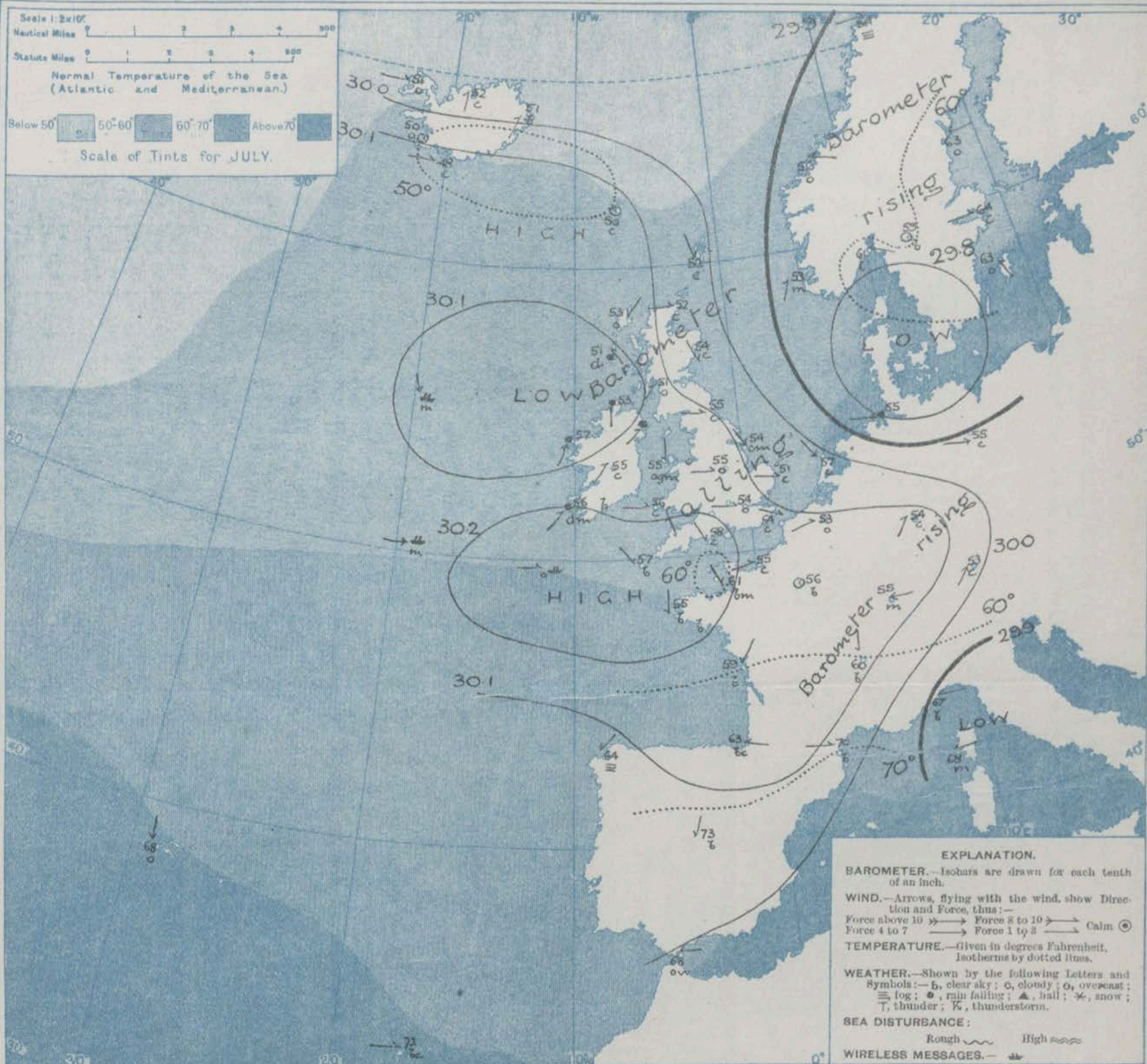
11 WESTERN CHANNEL AND BAY.

Light to moderate North-Westerly to South-Westerly breezes; sea smooth to moderate; fine to cloudy or dull, some rain, mist or fog; very cool.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. MONDAY, 21ST

JULY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

An anticyclone embraces the greater part of western Europe and the eastern portion of the Atlantic, with the barometer above 30.2 in. on our south-western coasts and to the westward. Within the system, however, a shallow depression has formed rather suddenly near the north-west of Ireland, with the barometer at about 30.0 in. In another depression over Denmark pressure is below 29.8 in. The gradient is very slight in nearly all regions.

Balms and light variable breezes prevail extensively, but a fresh to strong North-Westerly wind is reported between Holland and the Elbe.

Over the British Isles temperature ranges from 51° or 52° at several northern stations to 61° at Jersey; on the continent from 53° at Skudenes, Brussels and Munich to 68° at Gibraltar, and 70° at Perpignan; and in Iceland from 48° to 52°. At Spitzbergen the reading is 46°. Fine, clear weather is reported over France, but over the rest of our area the conditions are very variable, fine to dull, with rain at several of our western stations and at Buschaven, fog at Bodø, a thick fog on the Strait of Gibraltar. At Gibraltar there is a heavy levanter. The sea is slight to very smooth on all coasts.

Monday, 21st July 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.	Dirac.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dirac.	Force.	
	"	"			In.	In.		(0-12).			"	"			In.	In.		(0-12).	
21st 7 a.m.	49	10	<u>Vaderland</u>	O	30.24	-0.7	W	1.3	0	20th 1 p.m.	54	13	<u>California</u>	O	30.30	-0.3	SW	4-5	d
20th 6 p.m.	51	11	<u>Montezuma</u>	H	30.30	-0.3	S	1.3	6	" "	49	11	<u>Zealand</u>	H	30.31	+0.1	NE	1.3	c
" "	51	10	<u>Carmania</u>	O	?	0.0	N	1-3	6	20th 7 a.m.	53	27	<u>Royal Edward</u>	H	30.12	+0.1	SSW	4-5	f
" "	53	22	<u>Royal Edward</u>	H	30.15	-0.1	SW	4-5	m	" "	51	14	<u>Montezuma</u>	H	30.24	+0.1	E	1-3	a

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.	F.	F.	Forenoon.	Afternoon.	Hr.		In.	F.	F.	Forenoon.	Afternoon.	Hr.
Oban	-	65	57	b.c	b.c	5.9	Folkestone	-	61	53	b.c	b	11.5
Stonehaven	-	65	57	b.c	b.c	5.9	Hythe	-	"	"	"	"	10.5
Carnoustie	-	66	46	"	"	6.1	Littlestone	-	"	"	"	"	12.0
St. Andrews	-	"	"	"	"	"	Hastings	-	68	54	b	b.c	12.0
England, N.E.							Bexhill-on-Sea	-	68	53	b.b.c	b.c.c	10.4
Harrogate	-	64	46	b.b.c	b.b.c	10.8	Eastbourne	-	68	53	b.b.c	b.b.c	11.2
Scarborough	-	64	55	b.c	b.c	12.4	Seaford	-	"	"	"	"	"
England, N.W.							Brighton	-	69	52	b.c	b.c	11.4
Douglas	-	59	49	b.g	b.c	9.0	Worthing	-	67	52	b.c	b.c	12.0
Blackpool	-	61	52	c	b.c	12.5	Littlehampton	-	"	"	"	"	11.7
Southport	-	60	52	b.b.c	b.b.c	11.2	Southsea	-	68	52	b.c	b.c	12.0
Mid-lands.	" 01	59	44	b.c	b.c	10.6	Ryde	-	69	62	b	b	15.0
Buxton	-	65	48	c	c	11.0	Ventnor	-	"	"	"	"	"
Leamington Spa	-	"	"	"	"	"	Bournemouth	-	70	50	b	b	13.1
Malvern	-	"	"	"	"	"							
Wales.							Weymouth	-	72	54	b	b	12.6
Rhyl	-	60	53	b.c	b.c.c	8.0	Exmouth	-	69	56	b	b	11.8
Colwyn Bay	-	60	50	b.c.b	b	5.0	Teignmouth	-	69	54	b	b	11.5
Llandudno	-	63	51	b	b	9.9	Torquay	-	69	54	b.c.b	b	12.3
Bettws-y-Coed	-	"	"	"	"	"	Paignton	-	68	54	b.c.b	b.c	10.6
Aberystwyth	-	58	54	b.c	c	6.2	Falmouth	-	"	"	"	"	"
England, E.							Bude	-	"	"	"	"	"
Lowestoft	-	61	48	c.b.c	b.c.b.c	10.6	Ilfracombe	- 01	63	55	b	b	9.8
Felixstowe	-	66	50	b.c	b.c.b	10.4	Weston-super-Mare	-	68	54	b	b.b.c	11.5
Walton-on-Naze	-	64	50	b.c	b	10.3							
Southend-on-Sea	-	67	53	b	b	12.0							
England, S.E.													
Margate	-	66	51	b.c	b.c.b	8.0							
Ramsgate	-	64	50	"	"	10.9							

STATIONS.	HUMIDITY.		TEMPERATURE.		Rain-fall.	WEATHER.			Sun- shin- g for Yester- day.	STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shin- g 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.										Max.	Min.					
Greenwich (Royal Obsy.) ...	%	%	F.°	F.°	F.°	In.	b	b	b.c.c.o	Hr.		F.°	F.°	F.°				Hr.	
City (Bunhill Row) ...	48	66	69	49	40	-				9.7	Dublin to 4 p.m.	-	63	49	47	0.6c	c.b	b.c	
Westminster (St. James's Pk.)	*	*	*	*	*	*	*	*	*	9.8	Plymouth to 9 p.m.								
Camden Sq. (Brit. Rainfall)	55	72	69	49	47	-	b.c	b.c	b.c.b	11.0	Darwen "								
Hampstead (Reservoir) ...	-	65	70	48	47	-	b.c	b.c	b.c.b.o	9.8	Manchester "	-	62	49	*	b.c.b	b	c.b.c	10.5
Kew. (See front page.)	*	72	67	45	36	-	b.c	b.c	o	12.9	Birmingham "	-	63	48	41	c	c	c	10.2
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.											Oxford to 8 p.m.	*	66	50	43	c.b.c.c	c	c.b.c	
Total.			Mean Rate.			Max. Rate.					S. Kensington		67	52	42	o	b.c	b.c.b.c	
S. Kensington (Roof of M.O.)	-	67	1888 Joules.			329 Milliwaits.				11.5	(Museum Grounds to 6 p.m.)	-							

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.	
21st & 22nd July 1913.	Sunrise.	Noon.	Sunset.	<p>Temperature continues low for the season, the highest readings over the British Isles during yesterday, being only 70° at Bournemouth, and 72° at Weymouth. The day, however, was very fine, with large records of bright sunshine, up to 14½ hours at Valencia. As far west as the 15th meridian ships experienced light variable breezes, and fine to cloudy weather, with local mist.</p>	
	G.M.T.	G.M.T.	G.M.T.		
Yarmouth	3.56 3.58	11.59 11.59	5.2 5.0		
Greenwich	4.9 4.10	12.6 12.6	5.3 5.2		
Wick	3.41 3.43	12.18 12.18	5.53 5.56		
Valencia	4.47 4.48	12.47 12.47	8.48 8.46		

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.

Tuesday,
22nd July 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).	TEMP.		WEATHER.								
		At 82° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Force (0 to 12).	Weather.		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.	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.				
BRITISH ISLANDS.	Lerwick	In.	F.				In.	In.	F.					In.	F.	F.				Hours				
	30.11	53	NNE	3	o	30.21	+0.3	52	0	NNW	4	c	3	-	55	50	c	c	c	*				
	Stornoway	30.14	55	E	4	cq	30.30	+0.3	54	+1	NE	3	bc	3	-	59	46	c.c.	c.bq	b.b.c.	4.9			
	Castlebay (Barra Ind.)	30.09	55	NNE	3	o	30.25	+0.5	53	+2	NNE	3	b	3	0.11	57	50	r.o	o	o.c.b	2.0			
	Glasgow	30.05	53	ENE	1	v	30.22	+0.5	51	0	NNE	1	b	#	0.17	55	47	od	d	do.c.b	0.0			
	Malin Head	30.00	50	N	1	fe	30.22	+0.6	53	0	E	2	bcm	2	0.05	59	52	omp	f	f	*			
	Blacksod Point	30.01	59	NW	3	o	30.19	+0.5	57	0	NNE	3	cm	3	0.07	60	55	omp	omp	omp	*			
	Valencia	30.10	58	WSW	4	m	30.16	+0.1	57	+1	NNW	1	o	3	0.03	61	55	omr	omd	omd	0.2			
	Roche's Point	30.09	62	WSW	4	c	30.13	*	58	+5	N	3	c	2	0.03	65	53	o.c	o.cq	o.c	*			
	Birr Castle	30.02	59	SW	2	c	30.15	*	58	+3	N	2	c	*	0.14	63	50	cp	cp	cp.c	0.7			
	Donaghadee	30.00	59	E	1	op	30.19	+0.6	54	+2	E	2	bo	2	0.33	59	52	omr	omp	omp.b	*			
	Liverpool Obsy.	30.07	56	-	0	r	30.12	+0.3	52	0	ENE	3	o	2	0.16	59	52	at	ogd	ogd	0.0			
	Holyhead	30.05	56	SSW	3	cm	30.10	+0.4	56	+1	ENE	4	bcm	3	0.48	59	54	omdo	opdm	erdp	0.8			
	Pembroke (St. Ann's Hd.)	30.10	56	W	4	c	30.05	+0.1	57	+1	NNW	3	cmp	2	0.12	61	55	c	c	cg	4.1			
	Newquay	30.15	59	NW	4	bc	30.07	0.0	58	0	NW	2	ogu	2	0.03	64	56	bu	bu.w	bc.op	9.1			
	Scilly (St. Mary's) ...	30.17	60	WNW	3	c	30.10	0.0	57	0	WNW	3	c	3	0.04	64	55	bc	bc	c	11.0			
	Jersey (St. Aubin) ...	30.20	64	WNW	3	b	30.11	*	59	-2	W	3	c	2	-	69	54	b	b	b.b.c	14.2			
	Portland Bill	30.12	60	WSW	5	c	30.05	-0.2	58	0	W	4	c	3	-	65	56	bc	bc	b.c.c.	*			
	Dungeness	30.09	61	SW	5	o	30.02	0.0	59	+5	WNW	3	o	2	-	62	54	c	c	c	*			
	Dover	30.12	59	SW	1	c	30.03	*	56	+2	NW	3	o	2	bc	63	53	c.b.c	c	c.c	2.3			
Wick	30.13	53	NNW	3	c	30.24	+0.2	51	-1	NNW	4	o	4	-	54	47	c	c	c.c	*				
Nairn	30.11	55	NE	2	c	30.24	*	52	-2	NNE	1	o	1	-	60	49	bc	bc.g	c.c	1.4				
Aberdeen	30.11	55	ENE	3	c	30.21	+0.3	52	-2	NNW	4	o	2	-	60	46	c.c	c.c	c.b.c	0.7				
Leith	30.09	57	ENE	1	o	30.19	+0.4	53	-1	NE	2	o	#	-	60	51	og	og	c	*				
North Shields	30.09	57	E	2	r	30.16	+0.1	50	-5	NW	3	c	3	0.09	59	49	c	or	o	0.5				
Spurn Head	30.09	56	E	3	o	30.08	0.0	55	+1	NNE	4	bc	4	0.02	61	51	c	c.c	o.c	2.1				
Yarmouth	30.09	57	ESE	2	o	30.04	0.0	55	+4	N	2	c	1	0.30	63	51	c	c	o.c	0.0				
Clacton-on-Sea	30.09	61	W	2	o	30.02	0.0	55	+2	NNE	2	r	1	0.03	64	53	c.c	c.c	o.c	1.5				
Nottingham	30.07	57	NE	1	r	30.10	*	53	-2	NE	3	o	*	0.09	62	52	op	o.cdm	o.c	0.1				
Bath	30.12	64	W	4	b	30.06	*	57	0	W	3	r	*	0.07	70	55	o	o.b.c	c.c	3.9				
London (New Obsy.) ...	30.10	63	SW	2	o	30.04	0.0	57	+3	N	2	omr	*	0.01	64	53	o	o	o.c	0.5				
ICELAND, FAEROE, &c.	Spitzbergen	29.78	49	NW	1	o	29.82	+0.2	46	0	S	1	f	*	-	54	41	*	*	*	*			
	Isafjord	29.97	51	E	6	c	30.17	+0.4	46	-5	-	0	c	*	*	*	*	*	*	*	*			
	Reykjavik	30.09	55	-	0	r	30.17	+0.3	50	0	-	0	o	*	*	*	*	*	*	*	*			
	Vestmanna	30.11	50	W	1	o	30.21	+0.2	48	0	-	0	o	*	*	*	*	*	*	*	*			
	Seydisfjord	29.94	53	-	0	c	30.15	+0.7	50	-1	-	0	o	*	*	*	*	*	*	*	*			
	Thorshavn	30.18	54	WSW	3	c	30.23	+0.1	52	+2	WNW	3	bc	2	*	*	*	*	*	*	*			
SCANDINAVIA.	Haparanda	29.96	68	-	0	b	30.00	+0.1	73	+7	SSE	2	b	*	-	77	57	*	*	*	*			
	Hernösand	29.92	64	-	0	b	29.89	0.0	67	+4	N	6	c	*	-	70	63	*	*	*	*			
	Stockholm	29.77	58	NW	2	r	29.58	-0.4	65	+1	NE	6	o	*	0.55	68	57	*	*	*	*			
	Wisby	29.77	56	NW	4	r	29.60	-0.4	59	-4	W	4	o	*	0.32	64	55	*	*	*	*			
	Karlstad	29.85	63	WNW	2	r	29.63	-0.8	60	+1	NNW	4	r	*	0.35	70	55	*	*	*	*			
	Färder (X'ania Fjord)	29.87	66	WNW	2	o	29.69	-1.0	60	-1	NNW	6	r	2	0.12	66	57	*	*	*	*			
	Bodö	30.00	54	W	1	f	30.09	+0.4	55	+1	-	0	o	0	0.04	57	52	*	*	*	*			
	Christiansund	30.02	56	NE	1	o	30.10	+0.1	54	-2	ENE	1	o	2	-	57	54	*	*	*	*			
	Skudesnaes	29.95	53	-	0	b	29.89	-0.1	52	-1	N	6	o	2	-	57	54	*	*	*	*			
	The Scaw (Shagen) ...	29.85	62	NE	3	c	29.72	-0.4	61	0	NNE	3	o	0	-	57	46	*	*	*	*			
	Blaavands Huk	29.87	57	N	1	c	29.84	-0.1	60	0	NNW	3	b	2	0.08	63	52	*	*	*	*			
GERMANY, &c.	Cuxhaven	29.87	58	NW	5	o	29.85	0.0	56	+1	NE	5	ogp	3	0.47	61	54	*+T storms night.	*	*	*	*		
	The Helder	30.05	57	WNW	5	c	29.99	-0.2	56	-1	WNW	4	c	2	-	59	54	*	*	*	*			
	Brussels	30.11	56	WNW	2	c	30.00	-0.3	54	+1	WSW	2	r	*	0.43	62	51	*	*	*	*			
	Berlin	29.89	55	SW	4	o	29.86	-0.1	53	-2	W	3	o	*	0.16	55	52	*	*	*	*			
	Frankfurt	30.07	58	SW	1	o	30.03	-0.1	56	+2	SW	1	o	*	-	63	54	*	*	*	*			
	Munich	30.12	55	NW	2	o	30.08	-0.1	54	+1	SW	4	o	*	-	63	52	*	*	*	*			
FRANCE.	C. Gris Nez	30.12	58	W	5	o	30.02	-0.3	59	+5	W	5	o	4	-	64	54	*	*	*	*			
	La Hève	30.17	52	NW	1	b	30.10	*	57	+2	W	4	o	3	-	66	52	*	*	*	*			
	Brest (St. Mathieu) ...	30.21	61	NW	3	b	30.16	-0.1	57	+2	NW	1	b	0	-	72	55	*	*	*	*			
	Lorient (Rec. Melon) ...	?	64	W	3	b	?	*	57	+2	E	1	b	1	-	68	52	*	*	*	*			
	Rocheport (Ile d'Alz) ...	30.15	64	NW	3	b	30.12	+0.1	63	+4	SE	1	b	*	-	81	57	*	*	*	*			
	Biarritz	30.14	68	NE	3	b	30.10	?	64	+1	ENE	1	b	0	-	73	59	*	*	*	*			
SPAIN, PORTUGAL, &c.	Paris	30.14	64	N	2	o	30.10	-0.1	58	+2	SSW	1	c	*	-	70	51	*	*	*	*			
	Belfort	30.13	64	WSW	5	c	30.13	*	52	-3	W	4	c	*	-	69	47	*	*	*	*			
	Lyons	30.11	68	N	2	b	30.15	*	61	+1	-	0	b	*	-	74	53	*	*	*	*			
	Nice	29.95	72	WSW	1	b	29.97	0.0	67	0	-	0	o	0	-	81	61	*	*	*	*			
	Perpignan	30.04	80	NW	3	b	30.08	0.0	72	+2	W	2	b	*	-	85	61	*	*	*	*			
	Sanguinaire	29.91	68	S	2	f	29.92	*	68	0	S	1	f	3	-	77	64	*	*	*	*			
	Corunna (S.m.)	30.02	71	NE	1	b	30.08	0.0	67	+3	ENE	1	f	?	-	75	59	*	*	*	*			
	Lisbon (S.m.)	30.07	68	NNE	3	b	30.08	+0.1	68	0	NW	3	bc	2	0.12	72	66	*	*	*	*			
	Gibraltar	30.10	71	N	2	b	30.08	+0.1	71	-1	N	2	b	2	-	75	59	*	*	*	*			

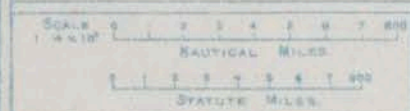
GALES
Duration and Extreme Force
on British Coasts.

T Storms night.

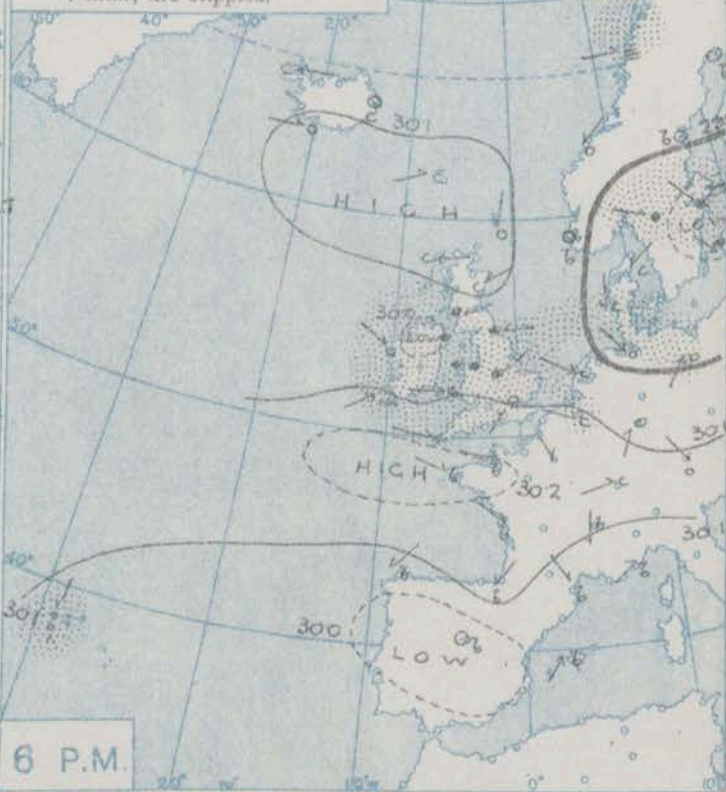
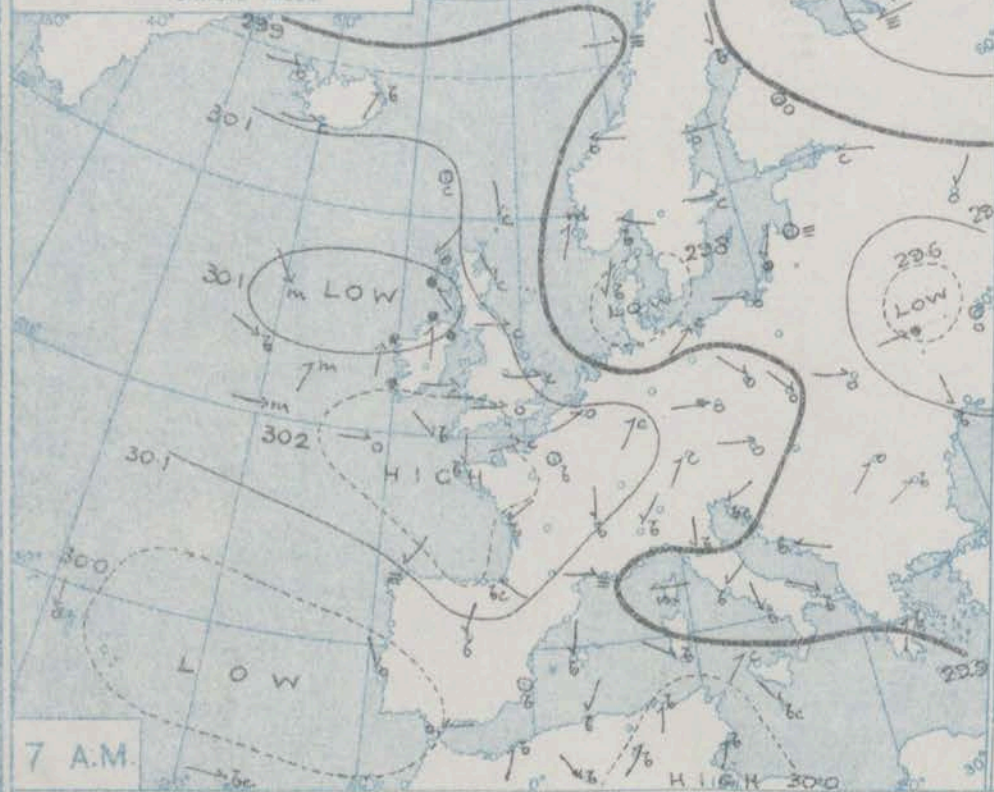
* Information for these columns not usually received.

† Received too late for insertion in Charts.

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



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



GENERAL INFERENCE

A shallow secondary depression off the mouth of the Thames is passing eastward, and an anticyclone is spreading in from the Atlantic.

WEATHER PROSPECTS.

The rain in the south will cease, and fair to fine weather will become general.

FORECASTS FOR THE 24 HOURS NOON Tuesday

Tuesday

TO NOON Wednesday

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

Light to moderate breezes between North-West and North-East; generally fair or fine; cool.

Light to moderate Westerly to Northerly or North-Easterly breezes; dull at first, with some rain, then improving, fair to fine; very cool.

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 2.

Same as Nos. 3 to 5

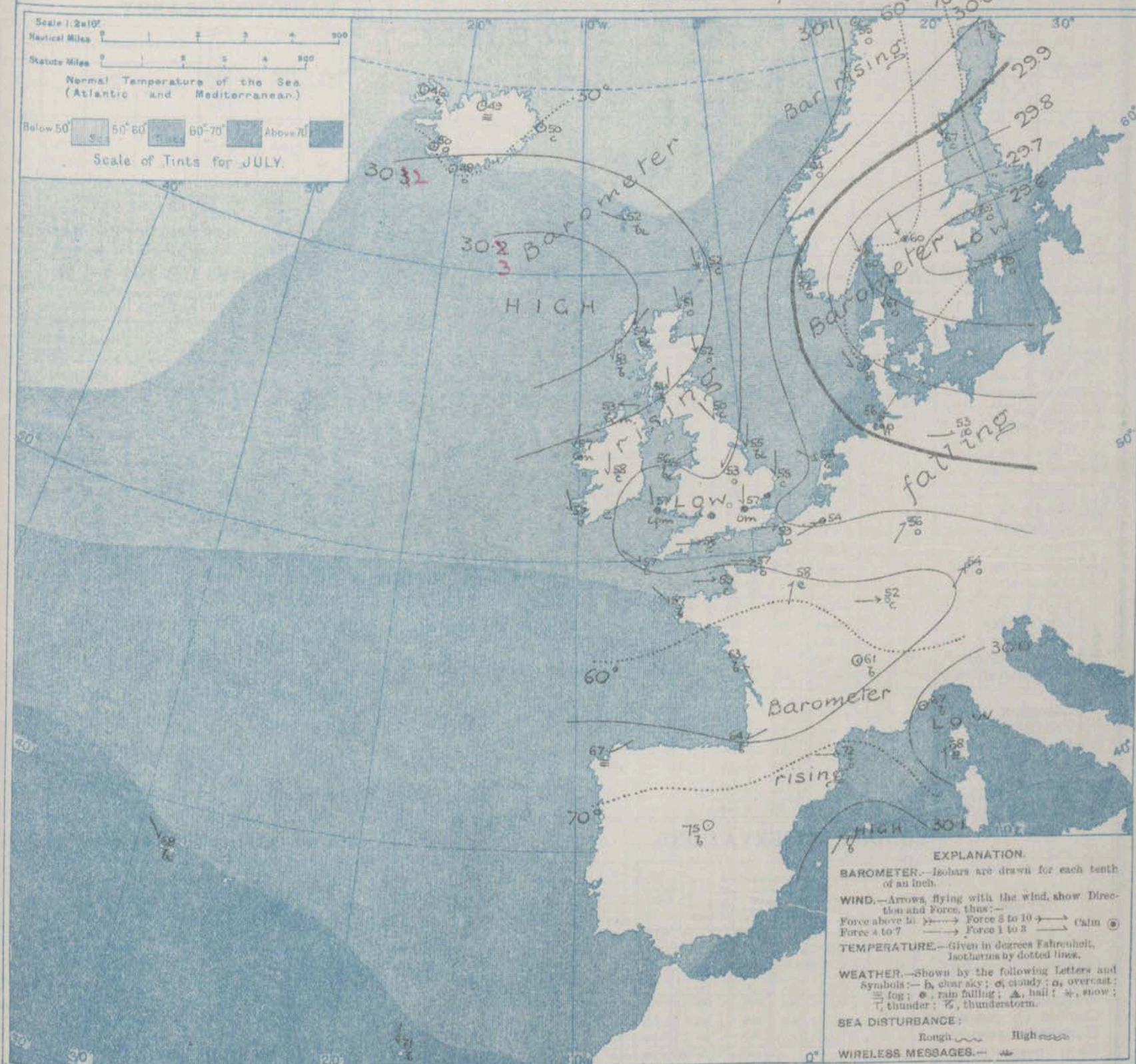
Same as Nos. 0 to 2.

11 WESTERN CHANNEL AND BAY.

Light Westerly to Northerly breezes; slight or smooth sea; cloudy to fine, local mist or fog; very cool.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. TUESDAY, 22nd JULY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

In a high pressure system centred beyond our north-western coasts the barometer is at 30.3 in., and in a depression covering Southern Scandinavia and North Germany pressure is below 29 in. at Stockholm. A small shallow secondary is situated beyond the Thames estuary. The gradient is rather steep across the middle part of Scandinavia, elsewhere it is very slight.

All the Iceland stations report a calm, but in most other parts of the region under observation the wind is between West and North and North East,

blowing strongly in several localities beyond the North Sea, mostly light elsewhere. At the home stations temperature ranges from 50° at North Shields to 59° at Jersey and Dungeness; on the continent from 52° at Belfort and Skudenes to 75° at Madrid, and in Iceland from 46° to 50°. At Spitzbergen the reading is 46°. Fine weather prevails over France and the north-west quarter of the British Isles, but over our area generally it is mostly very cloudy to dull, rain falling over Southern England and thence across to Southern Scandinavia. The sea is slight to very smooth on all coasts.

DAILY WEATHER REPORT.

Tuesday, 22nd July 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.	
21st 1 p.m.	52	12	Royal Edward	H	30.10	00	SW	4-5	c	21st 7 a.m.	55	19	Laurentie	O	30.02	+06	NNW	4-5	m
21st 2 p.m.	50	12	Cornthian	O	30.03	-06	S	5	c	"	50	18	Carmaria	O	30.12	-02	W	4-5	m
21st 7 a.m.	53	20	California	O	30.10	+03	WNW	4-5	b	"	52	16	Royal Edward	H	30.12	-01	SSW	1-3	m

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.		
		In.	F.	F.			Hr.			In.	F.	F.			Hr.	
Scotland.	Oban	-	62	48	cg	cg	1.0	England, S.E.—cont.	Folkestone	-	66	53	c.b	c.b	1.0	
	Stonehaven	-	60	52	cg	cg	1.4		Hythe	-	64	50	c	c	1.1	
	Carnoustie	-	63	52	b.c	b	2.8		Littlestone	-	63	50	b.c	c	1.4	
	St. Andrews	-	60	52	c.b.c	c.p	0.8		Hastings	-	64	49	cg	g.c	2.4	
Eng. N.E.	Harrogate	0.01	61	47	c.b.c	c.p	0.8		Bexhill-on-Sea	-	63	50	b.c	b.c	3.0	
	Scarborough	-	60	52	c.c	c	1.0		Eastbourne	-	65	50	c	c	3.0	
	Douglas	0.10	55	51	c	c	0.0		Seaford	-	65	51	c	c	2.0	
	Blackpool	0.15	60	54	c.c	or	0.2		Brighton	-	66	51	c	c	2.0	
England, N.W.	Southport	0.04	59	54	c.c	or	0.1		Worthing	-	66	53	b.c.b	c.b.c	1.4	
	Buxton	0.01	57	47	c.b	c.r	0.2		Littlehampton	-	66	53	c	c	2.0	
	Leamington Spa	-	64	51	c	c	0.8		Southsea	-	65	60	c	c	3.0	
	Malvern	-	60	52	c	c	2.5		Ryde	-	67	49	c	c	4.0	
Wales.	Rhyl	0.30	59	53	unsettled	?	0.0	England, S.E.—cont.	Bournemouth	-	68	51	c.b	b	3.0	
	Colwyn Bay	0.21	60	52	b.c	p.r.b	?		Exmouth	-	70	51	b.c	c.c	3.0	
	Llandudno	0.22	61	54	c	c	0.0		Teignmouth	-	72	53	b.c	b.c	7.0	
	Bettws-y-Coed	-	62	56	c.c	c	0.7		Torquay	-	70	52	b	b	6.0	
England, S.E.	Aberystwyth	-	62	56	c.c	c	0.7		Paignton	-	71	51	b	b	6.0	
	Lowestoft	-	59	49	c.c	c	0.5		Falmouth	-	69	51	b	b	1.0	
	Felixstowe	-	67	47	c	c	3.3		Bude	-	63	54	c.b	b.c	5.0	
	Walton-on-Naze	-	65	46	c.b	c.b.c	2.7		Ilfracombe	-	66	55	c	b.c	3.0	
England, S.E.	Southend-on-Sea	-	63	49	b	b	2.0		Weston-super-Mare	-	66	55	c	b.c	3.0	
	Margate	-	65	56	c	c	1.2									
England, S.E.	Ramsgate	-	63	46	c	c	2.5									

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 Obs.) ...	63	76	60	54	51	0.05	0	0	0.0	0.3	Dublin to 4 p.m.	0.06	67	54	54	70	c.b	p
City (Sunhill Row) ...	*	*	*	*	*	*	*	*	*	0.1	Plymouth to 9 p.m.	-	70	50	45	c.b	c.b	b.c
Westminster (St. James's Pk.)	63	89	64	55	55	0.03	b	b	0	0.1	Darwen	0.21	60	49	49	od	od	od
Camden Sq. (Brit. Rainfall)	62	74	58	55	54	0.04	0	c.o.e	b.c.0	0.4	Manchester	-	66	49	43	0	c	c.0
Hampstead (Reservoir) ...	*	78	63	52	51	0.04	c.0	0	od	0.5	Birmingham	-	64	49	42	b.c.0	0	c.c.0
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.									Oxford to 8 p.m.						
			Total.		Mean Rate.		Max. Rate.											
S. Kensington (Roof of M.O.)	63	89	1074 Joules.		188 Milliwatts.		56.5 Milliwatts.		0.1		S. Kensington (Museum Grounds to 6 p.m.)	-	67	?	41	b.c.0	c.0	c.c.0

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

22nd & 23rd July 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 5.55 4.8	G.M.T. 11.59 11.59	G.M.T. 8.0 7.53
Greenwich	4.10 4.12	12.6 12.6	8.2 8.0
Wick	3.43 3.45	12.18 12.18	8.53 8.51
Valencia	4.48 4.50	12.47 12.47	8.46 8.44

NOTES ON YESTERDAY'S WEATHER.

The day temperatures continue low over the British Isles. Yesterday they ranged from 55° to 72°. Rain has fallen at the majority of stations, nearly 2 in. at Holyhead. Cornwall and the Channel Islands had bright sunshine records from 11 hours to more than 14 hours; elsewhere there was very little, none in several instances. As far west as the 20th meridian ships experienced light to moderate S.W. to N.W. breezes, and fine to dull, misty 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 wrapping.

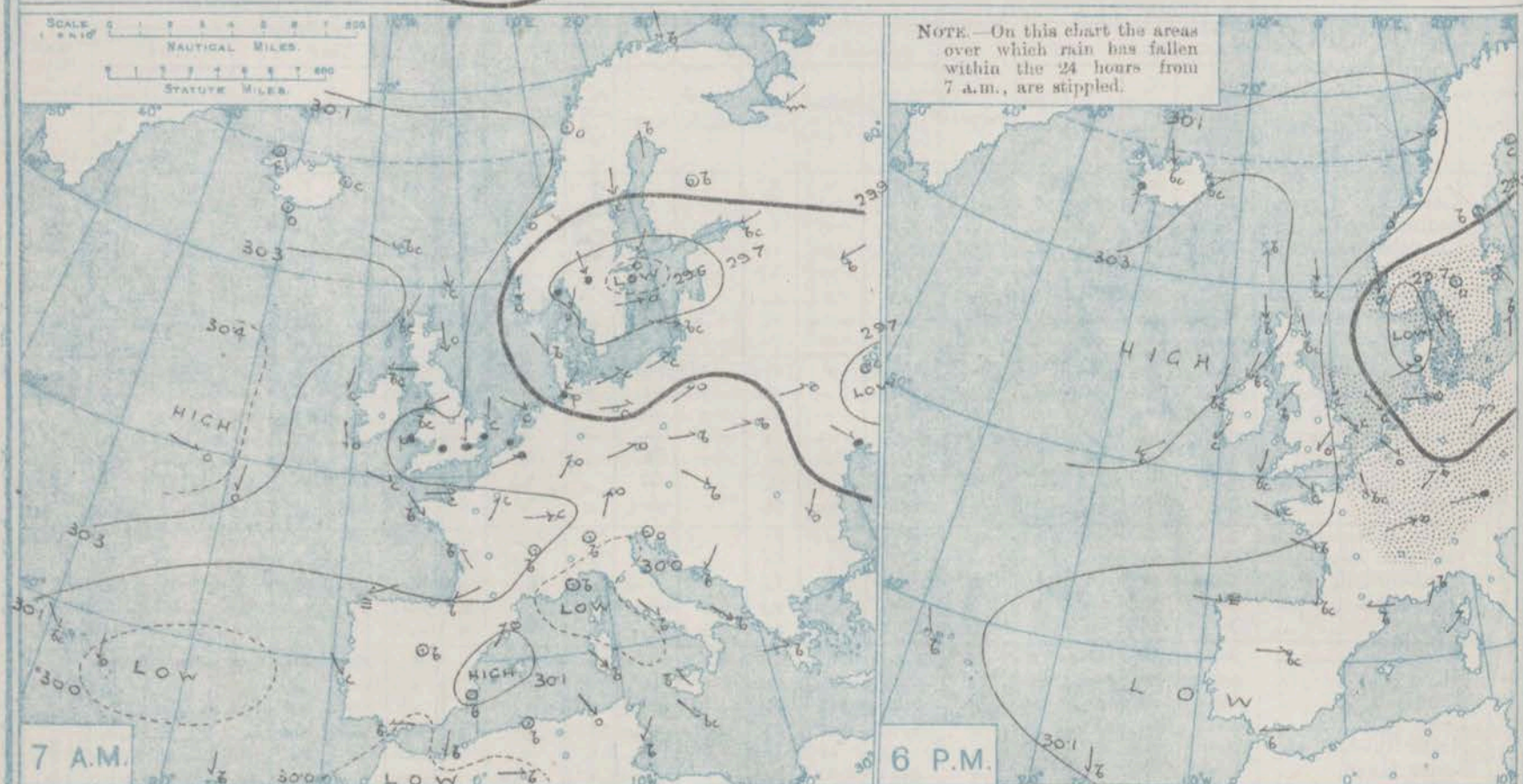
DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Wednesday
23rd July 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.		Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.						
	At 82° 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.				
BRITISH ISLANDS.	Lerwick	30.26	54	NNW	5	bc	30.28	+0.3	52	0	N	5	bc	4	-	56	50	bc.g	bc	bc	Hours		
	Stornoway	30.25	57	N	4	b	30.37	-0.1	51	-3	NE	3	0	3	-	60	50	bc	bc.b	bc	7.9		
	Castlebay (Barra Isd.)	30.33	57	NNE	4	b	30.32	-0.1	53	0	NNE	3	b	3	-	59	49	b.b.c	bc.b	b	14.4		
	Glasgow	30.23	65	NW	1	b	30.24	0.0	57	+6	NW	1	bc	*	-	66	50	b.b.c	c.b.c	b.c.c	11.8		
	Malin Head	30.31	56	NNE	2	bc	30.31	0.0	54	+1	N	1	by	1	-	60	51	bc	bc	bc.g.c	*		
	Blacksod Point ...	30.30	62	NNE	3	bc	30.30	+0.1	56	-1	NE	3	bc.g	3	trace	64	52	bc.g	bc.g	bc.g	*		
	Valencia	30.23	67	NE	2	c	30.28	+0.1	54	-3	-	0	b	3	-	68	47	c	c	bc	1.5		
	Roche's Point ...	30.25	60	SE	1	bc	30.27	*	53	-5	N	2	b	1	trace	66	49	bc.g	bc.g	bc.g	*		
	Birr Castle	30.23	66	N	1	b	30.28	*	46	-8	S	1	f	*	-	68	43	c	b	b	6.3		
	Donaghadee	30.25	59	NNW	2	b	30.24	-0.1	56	+2	NW	3	bc	3	-	61	51	b	b	b.b.c	*		
ICELAND, FAEROE, &c.	Liverpool Obsy. ...	30.21	60	NNW	3	b	30.15	-0.2	58	+6	NW	4	c	3	-	63	52	b.m.c	bc	bc	7.0		
	Holyhead	30.24	59	NE	2	b	30.21	0.0	56	0	N	4	b	3	-	63	54	b.c.b.m	b.b.m	bc	11.6		
	Pembroke (St. Ann's Hd.)	30.18	59	NNE	4	bc	30.20	-0.1	56	-1	N	4	bc	2	trace	67	51	c.m	c.m	bc	4.6		
	Newquay	30.45	60	NW	2	0	30.19	0.0	58	0	NNE	4	b	3	-	63	47	c.b.c	bc.o	b	5.5		
	Scilly (St. Mary's) ...	30.16	61	NNE	2	bc.m	30.21	+0.1	57	0	NE	2	b.m	2	trace	65	55	c.m.p	b.m	b.m	4.2		
	Jersey (St. Aubin) ...	30.12	63	NW	3	c	30.15	*	59	0	NW	2	b.m	2	-	64	53	b.c.b.m	b.b.c	b.m.m	1.7		
	Portland Bill	30.14	61	E	1	c	30.13	+0.2	59	+1	NW	4	bc	3	trace	64	53	c.p	c	c.b.c	*		
	Dungeness	30.08	62	NE	5	p	29.96	-0.2	54	-5	NNW	4	0	2	trace	63	51	c.p	c.p	c.o	*		
	Dover	30.09	57	N	4	c	29.93	*	51	-5	NW	6	r	4	0.0	65	50	c.p	c.p	c.o	2.5		
	SCANDINAVIA.	Wick	30.28	53	NNW	5	c	30.29	+0.2	53	+2	NNW	6	bc.g	5	-	56	50	c.g	c.g	c.b.g	*	
Nairn		30.30	59	ESE	2	b	30.32	*	53	+1	NE	3	c	2	-	60	48	a	b	bc.c	5.3		
Aberdeen		30.22	56	NNW	5	bc	30.22	0.0	53	+1	NNW	5	c	3	-	57	50	o	bc.g	bc.g	1.3		
Leith		30.22	59	ESE	2	b	30.21	+0.1	57	+4	NW	2	b	*	-	62	53	bc.c	bc.b	bc.b	*		
North Shields		30.21	54	N	4	c	30.15	0.0	53	+3	N	6	0	6	trace	57	50	r	c	o	1.2		
Spartn Head		30.09	55	NNW	7	0	29.92	-0.3	54	-1	NNW	8	bc.g	7	0.02	59	51	c.g	c.g	c.g	3.4		
Yarmouth		30.07	56	NW	4	c	29.85	-0.4	53	-2	NW	6	r	4	0.50	61	51	c.p	c.p	c.g	4.8		
Clacton-on-Sea		30.07	59	NW	4	c	29.92	-0.4	51	-4	NW	5	r	3	0.04	63	51	c.c	c.p	c.o	2.0		
Nottingham		30.16	57	N	4	0	30.07	*	54	+1	N	6	0	*	-	61	52	c.c	c.c	c.o	1.5		
Bath		30.15	65	N	1	0	30.11	*	60	+3	NW	-	b	-	0.01	68	50	do	bc.o	m.c.b	2.9		
GERMANY, &c.	London (Kew Obsy.) ...	30.14	58	NE	3	0	30.04	-0.3	56	-1	NW	3	0	*	0.04	65	50	m.c.b.c	bc.c	c.o	2.5		
	Spitzbergen	29.86	42	S	3	0	29.71	-0.3	39	-7	-	0	0	*	-	46	37	*	*	*	*		
	Isafjord	30.20	51	N	3	0	30.11	-0.4	50	+4	-	0	0	*	-	*	*	*	*	*	*		
	Reykjavik	30.25	58	S	3	0	30.08	0.0	54	+4	SE	5	r	*	-	*	*	*	*	*	*		
	Vestmanna	30.27	51	S	1	c	30.16	-0.3	49	+1	E	4	r	1	-	*	*	*	*	*	*		
	Seydisfjord	30.30	60	E	3	bc	30.15	-0.6	50	0	-	0	c	*	-	*	*	*	*	*	*		
	Thorshavn	30.33	63	SE	1	b	30.29	+0.1	51	-1	-	0	0	*	-	*	*	*	*	*	*		
	Haparanda	29.97	73	-	0	c	29.91	-0.2	73	0	W	2	bc	*	-	90	61	*	*	*	*		
	Hernösand	29.92	68	-	0	b	30.00	+0.4	71	+4	N	2	b	*	-	77	59	*	*	*	*		
	Stockholm	29.80	60	SE	2	0	29.94	+0.4	64	-1	WSW	2	0	*	0.24	68	57	*	*	*	*		
FRANCE.	Wisby	29.84	57	S	2	b	29.92	+0.4	60	+1	W	2	bc	*	-	68	50	*	*	*	*		
	Karlstad	29.76	63	-	0	0	29.94	+0.8	64	+4	ESE	4	c	*	1.38	70	55	*	*	*	*		
	Færder (X'ania Fjord)	29.71	62	S	2	0	29.93	+0.6	64	+4	E	1	b	1	0.83	63	57	*	*	*	*		
	Bodö	30.12	53	WSW	2	0	30.21	+0.6	51	-4	W	4	c	2	-	57	47	*	*	*	*		
	Christiansund	30.17	54	NE	1	0	30.26	+0.2	54	0	ESE	2	c	2	-	57	50	*	*	*	*		
	Skudesnaes	29.80	52	N	6	0	29.93	+0.4	56	+4	-	0	r	2	0.20	54	50	*	*	*	*		
	The Scaev (Skagen) ...	29.71	62	SE	2	bc	29.89	+0.5	63	+2	SE	3	c	0	0.12	64	57	*	*	*	*		
	Blaavands Huk	29.65	56	WSW	1	0	29.82	+0.8	60	0	ESE	3	b	1	-	61	50	*	*	*	*		
	Cuxhaven	29.76	57	W	4	0	29.72	+0.5	56	0	SE	3	c	0	0.99	61	54	*	*	*	*		
	The Helder	29.42	58	NW	5	r	29.62	-0.2	57	+1	N	6	r	4	0.35	61	54	*	*	*	*		
SPAIN, PORTUGAL, &c.	Brussels	30.00	55	NNW	2	0	29.80	-0.8	50	-4	WSW	5	r	*	1.06	61	50	*	*	*	*		
	Berlin	29.85	53	SW	2	0	29.86	+0.3	55	+2	S	1	bc	*	0.24	63	48	*	*	*	*		
	Frankfurt	29.92	55	SW	1	b	29.84	-0.3	53	-3	SW	3	r	*	0.16	59	52	*	*	*	*		
	Munich	29.99	54	W	3	r	29.89	-0.1	52	-2	SW	3	r	*	1.06	63	50	*	*	*	*		
	C. Gris Nez	30.49	57	NW	4	c	29.95	-0.5	52	-7	NW	6	r	5	0.08	61	52	*	*	*	*		
	La Hève	30.13	58	NE	1	0	30.04	*	56	-1	NNW	5	bc	4	-	64	52	*	*	*	*		
	Brest (St. Mathieu) ...	30.17	60	NW	2	c	30.23	+0.2	55	-2	-	0	m	1	-	77	55	*	*	*	*		
	Lorient (Bec Melen) ...	30.00	66	NNW	4	b	30.13	*	56	-1	NE	2	b	4	-	70	54	*	*	*	*		
	Rochefort (Ile d' Aix)	30.08	63	NNW	3	b	30.12	+0.1	60	-3	NE	3	b	*	-	77	57	*	*	*	*		
	Biarritz	30.06	73	N	2	bc	30.09	0.0	64	0	WSW	1	c	0	-	77	61	*	*	*	*		

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 22nd JULY.



GENERAL INFERENCE

WEATHER PROSPECTS.

The Baltic depression having moved to Holland, and the Atlantic anticyclone spreading north-

eastward to Scandinavia the conditions over Britain have become very unsettled.

FORECASTS FOR THE 24 HOURS NOON

Wednesday

TO NOON Thursday

Freshening Northerly and North-easterly breezes; fair or fine to dull, some showers later; very cool.

Increasing Northerly and North-easterly winds, strong or high, a gale locally on coast; fair to dull, squally, some rain; very cool.

Freshening Northerly and North-westerly breezes; generally fair to fine, local showers later; rather cold.

11 WESTERN CHANNEL AND BAY.

Increasing North-Westerly and North-easterly winds, strong or high, a gale locally; sea moderate to rough; fine at first, then squally, with some rain, mist or fog; cold.

Increasing North-Westerly to North-Easterly and Easterly winds, strong or high generally, a gale in several neighbourhoods; rough, squally, unsettled, rainy; very 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.

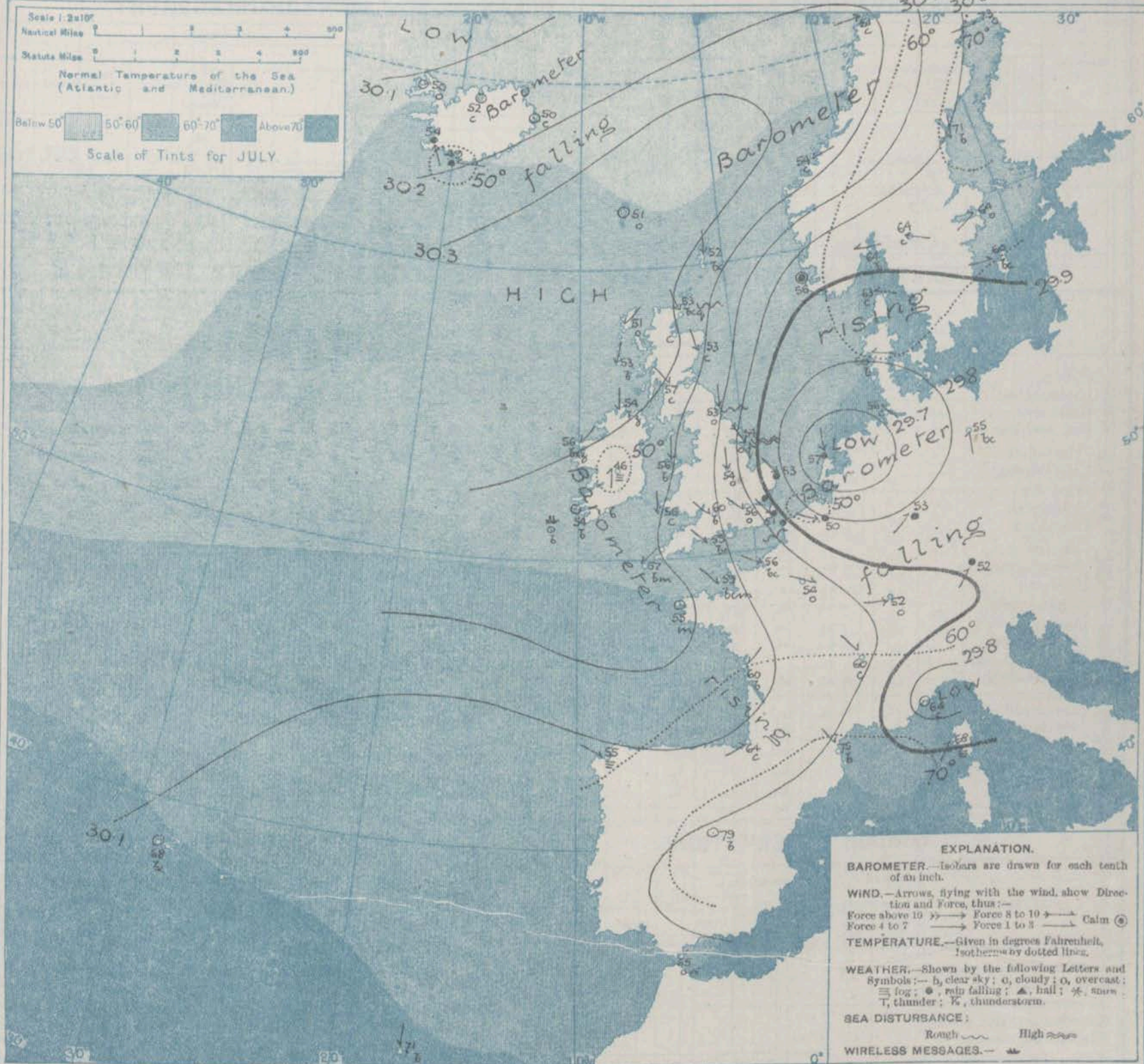
South Coast.

North Coast.

North Coast hoisted this morning in Districts 0, 1, 2, 3, 5, 6, 7, 8 and 11.

THE FURTHER OUTLOOK

SYNOPTIC CHART FOR 7 A.M. WEDNESDAY 23rd JULY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

A change of great importance is taking place in the pressure distribution. The Atlantic anticyclone is expanding north-eastward to Scandinavia, and the depression which has occupied Southern Scandinavia for a long time has been suddenly transferred to the low countries, the barometer is up to 30.4 in. at the Faerøe, and has dropped to 29.6 in. at the Belder. The gradient has become steep on the western side of the North Sea; in most other regions it is slight.

The winds show a complete cyclonic circulation round the pressure minimum. The North-Westerly to

Northwesterly current is blowing strongly over Eastern Britain and the Netherlands, a gale is blowing at the mouth of the Humber. Temperature continues low. At the home stations the values range from 46° at Birr Castle to 60° at Bath; on the Continent from 50° at Brussels to 73° at Haparenda and 79° at Madrid; and in Iceland from 49° to 54° . At Spitzbergen the reading is 39° . The weather is in a very variable state all round, cloudless in many localities, dull and threatening in others, and rain is falling between the east of England and Barotia, also off the south of Iceland and at Skudsmoes.

DAILY WEATHER REPORT.

Wednesday, 23rd July 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.	Dirco.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dirco.	Force.	
23rd 7 a.m.	51	11	Coronia	H	?	-0.2	-	0	b.	22nd 7 a.m.	49	22	Coronia	H	30.41	0.0	NNW	1-3	0
22nd 6 p.m.	50	17	Coronia	H	30.32	-0.11	ENE	1-3	0	"	48	22	Winnatanka	O	30.22	+0.20	ENE	1-3	0
" 7 a.m.	48	27	?	O	30.11	-0.2	WNW	1-3	m.	"	48	19	Vaderland	O	30.20	-0.2	NNE	1-3	0
" 6 p.m.	50	21	Counthian	O	30.16	+0.2	WNW	?	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	...	66	45	bc.b	b	13.0	England, S.E. - cont.	Folkestone	...	63	53	bc.o	o	2.9
	Stonehaven	...	59	46	cg	bc	1.9		Hythe	...	63	53	bc.o	o	1.2
	Carnoustie	...	63	45	bc	bc	8.8		Littlestone	...	63	54	bc.o	o	2.0
	St. Andrews	...	61	48	bc	bc	7.7		Hastings	...	63	54	bc.o	o	1.9
England, N.E.	Harrogate	...	57	48	bc.o	o	2.0	England, S.E. - cont.	Bexhill-on-Sea	...	64	56	bc.o	o	1.8
	Scarborough	...	60	51	o	o	1.2		Eastbourne	...	65	56	bc	bc	2.3
England, N.W.	Douglas	...	61	51	bc	bc	11.0	England, S.E. - cont.	Seaford	...	65	56	bc	bc	2.3
	Blackpool	...	63	52	bc	bc	6.2		Brighton	...	67	57	bc.o	bc.o	2.2
	Southport	...	63	51	bc	bc	5.6		Worthing	...	65	56	bc	bc	1.5
Mid-lands.	Buxton	...	59	47	bc	bc	3.0	England, S.E. - cont.	Littlehampton	...	65	56	bc	bc	1.2
	Leamington Spa	...	64	53	o	o	1.7		Southsea	...	65	56	bc	bc	0.5
	Malvern	...	64	53	o	o	1.8		Ryde	...	64	59	bc	bc	0.5
Wales.	Rhyl	...	62	53	bc	bc	9.0	England, S.E. - cont.	Ventnor	...	64	59	bc	bc	1.5
	Colwyn Bay	...	62	52	bc	bc	8.9		Bournemouth	...	67	53	bc	bc	1.5
	Llandudno	...	64	54	bc	bc	9.0	England, S.E. - cont.	Weymouth	...	68	54	bc	bc	1.3
England, E.	Bettws-y-Coed	...	64	54	bc	bc	9.0		Exmouth	...	72	56	bc	bc	2.7
	Aberystwyth	...	66	57	bc	bc	6.0		Teignmouth	...	68	56	bc	bc	2.6
	Lowestoft	...	59	52	bc	bc	4.1	England, S.E. - cont.	Torquay	...	70	55	bc	bc	3.3
England, S.E.	Felixstowe	...	63	54	bc	bc	2.1		Paignton	...	68	54	bc	bc	6.3
	Walton-on-Naze	...	62	54	bc	bc	1.5		Falmouth	...	69	56	bc	bc	6.3
	Southend-on-Sea	...	64	54	bc	bc	2.0	England, S.E. - cont.	Bude	...	64	56	bc	bc	5.6
England, S.E.	Margate	...	65	54	bc	bc	2.0		Ilfracombe	...	64	56	bc	bc	4.9
	Ramsgate	...	62	53	bc	bc	2.6		Weston-super-Mare	...	66	58	bc	bc	4.9

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.					In Screen.	Night Min. on Grass.	Night.	Fore-noon.	After-noon.			
				Max.	Min.															Max.		Min.
24 HOURS ENDED 9 A.M. TO-DAY.																						
		%	%	F.	F.	F.	In.				Hr.		In.	F.	F.	F.						
Greenwich (Royal Obs.) ...		78	79	67	51	45	-	c.o	c.b.c	or.o	1.7	Dublin to 4 p.m.	0.03	63	56	55	c.o	c.b	b			
City (Bunhill Row) ...		"	"	"	"	"	"	"	"	"	1.8	Plymouth to 9 p.m.	-	70	57	54	c.b.o	c.b	c.b			
Westminster (St. James's Pk.)											1.7	Darwen	0.05	53	48	51	gc	b.gc	gc			
Camden Sq. (Brit. Rainfall)												Manchester				"						
Hampstead (Reservoir) ...		"	77	64	48	40	-	c.o	o.b.c	o.b.	2.2	Birmingham	0.06	63	51	49	o	c	c			
Kew. (See front page.)												Oxford to 8 p.m.	"	65	54	53	b.c.or	o	o.c.o			
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																						
				Total.		Mean Rate.		Max. Rate.														
S. Kensington (Roof of M.O.)		54	77	993	Joules.	17.4	Milliwatts.	53	Milliwatts.	2.0	S. Kensington (Museum Grounds to 6 p.m.)	0.02	67	54	52	o.b.c	o.d.m.o	o.c.o				

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

23rd July 1913.		Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T.	4.0	11.59	7.58
	Local	4.2	11.59	7.56
Greenwich	G.M.T.	4.12	12.6	8.0
	Local	4.13	12.6	7.59
Wick	G.M.T.	3.45	12.18	8.51
	Local	3.47	12.18	8.49
Valencia	G.M.T.	4.50	12.47	8.44
	Local	4.52	12.47	8.42

NOTES ON YESTERDAY'S WEATHER.

During yesterday the highest temperatures reported in the British Isles were 70° at Torquay, and 72° at Exmouth. Rain has set in in the east of England, Yarmouth reporting $\frac{1}{2}$ in. The duration of bright sunshine varied greatly, from less than an hour at Ryde to 14½ hours at Cattlebay. As far west as the 25th meridian ships experienced light variable breezes and dull weather. Spurn Head had a strong gale this morning.

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.

Thursday,
24th July, 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.	Dirac.	At 32° Fabr. 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.	Night. 6 p.m. to 7 a.m.	
Lerwick	In.	F.					In.	In.	F.							In.	F.	F.				Hours	
Stornoway	30.27	55	N	6	b		30.29	+0.2	52	0	NNE	4	b	3	-	55	49	b	b	b	"		
Castlebay (Barra Isd.)	30.31	55	NE	1	b		30.30	0.0	54	+3	NE	3	b	3	-	62	45	b.c.b.	b	b	9.3		
Glasgow	30.24	60	NNE	4	bq		30.24	+0.1	56	+3	ENE	3	b.c	3	-	62	52	b	bq	bq.b.c	14.7		
Malin Head	30.20	68	ENE	2	b		30.27	+0.1	50	-7	E	1	b.c	"	-	72	45	b.c.b.	b	b.c.b.c	12.0		
Blacksod Point	30.24	58	NNE	2	bq		30.21	0.0	55	+1	E	1	m	1	-	59	50	b.c	bq	b.c.b.c	"		
Valencia	30.23	60	NNE	3	b		30.16	-0.1	57	+1	ENE	2	b	2	trace	63	50	bq	bq	bq	"		
	30.18	64	NW	3	b		30.13	+0.1	57	+3	-	0	bq	3	-	69	48	bq	b	b	14.7		
Roche's Point	30.18	64	SSW	2	b		30.16	"	58	+5	NE	2	b	2	-	68	51	b	b	b	"		
Birr Castle	30.17	74	NNE	1	b		30.20	"	51	+5	N	1	b	"	-	74	45	b	b	b	11.4		
Donaghadee	30.20	61	NW	2	b		30.26	+0.2	54	-2	ESE	3	bq	2	-	61	51	b	b	bq	"		
Liverpool Obsy.	30.15	63	N	3	b.c		30.21	+0.2	54	-4	E	2	o	2	-	65	54	b.c	b.c	c.o.	8.5		
Holyhead	30.16	59	N	2	b.c		30.18	+0.1	55	-1	HE	2	adm	1	-	64	52	b.c.b.c	b.c.b.c	b.c.b.c	8.2		
Pembroke (St. Ann's Hd.)	30.14	62	NNE	4	b.c		30.16	+0.1	53	-3	ENE	1	ome	1	-	65	51	b.c	b.c	b.c	12.9		
Newquay	30.12	61	NNW	1	b		30.11	0.0	56	-2	E	2	o.	2	-	62	47	b.v	b.v	b.v.c.o	13.1		
Scilly (St. Mary's)	30.15	63	N	2	b.m		30.10	0.0	58	+1	ESE	3	om	3	-	65	54	b.c.m	b.c.m	b.m	13.8		
Jersey (St. Aubin)	30.08	66	W	3	b		30.11	"	60	+1	ENE	3	b.c.m	3	-	70	57	b.c.m	b.c.b.	b.c.b.c	12.8		
Portland Bill	30.08	63	EHE	4	c		30.13	+0.3	57	-2	NE	5	b.c	3	-	74	53	b.c	c	c	"		
Dungeness	29.99	62	NNW	5	c		30.09	+0.2	61	+7	N	4	b	3	trace	64	52	c.p.c	c.p.c	c	"		
Dover	29.98	58	N	5	c		30.10	"	60	+9	NNW	5	c	2	0.09	62	50	b.o	o.p.b.c	o.c.b.c	2.6		
Wick	30.29	54	N	4	b		30.28	+0.2	52	-1	NNE	3	eq	4	-	59	43	bq	b.c.bq	bq.cq	"		
Nairn	30.28	59	ENE	2	b		30.29	"	40	-13	-	0	c	1	-	64	38	b	z.b	z.w.c.	11.3		
Aberdeen	30.24	58	N	4	b		30.27	+0.2	53	0	NNW	3	o	2	-	62	51	c.bq	bq	b.c.o	12.2		
Leith	30.22	59	E	3	b		30.23	+0.2	55	-2	ENE	2	b.c	"	-	67	50	b	b	b	"		
North Shields	30.20	53	N	5	o		30.24	+0.2	52	-1	N	2	d	4	trace	56	52	o	o	o.c.d	0.0		
Spurn Head	30.10	55	N	6	c		30.19	+0.2	54	0	NNE	3	o	5	0.05	56	51	cq	cq.r	cq.o	0.0		
Yarmouth	30.03	54	N	4	c		30.14	+0.2	56	+3	NE	2	c	2	-	61	53	oq	o.p.c.	c	3.5		
Clacton-on-Sea	30.00	62	NW	3	c		30.12	+0.2	58	+7	NNW	3	b.c	2	trace	64	50	o.p.d	o.c	c.b.c	3.3		
Nottingham	30.13	56	N	3	o		30.19	"	54	0	NE	3	o	"	trace	58	52	o.p	o	o.p	0.0		
Bath	30.11	62	NE	3	o		30.17	"	58	-2	ENE	1	b.c	"	-	73	51	b.c	b.c.o	o.b.c	9.8		
London (Kew Obsy.)	30.08	58	N	4	o		30.17	+0.4	55	-1	NE	3	o	"	-	59	52	o	o	o.c.o	0.0		
Spitzbergen	29.65	35	NNW	4	o		29.68	+0.4	40	+1	NW	4	c	"	?	40	34						
Isafjord	30.00	54	SE	2	c		30.04	-0.1	50	0	-	0	o	"	"	"	"	"	"	"			
Reykjavik	30.04	52	SE	3	o		30.06	+0.1	55	+1	E	6	o	"	"	"	"	"	"	"			
Vestmanna	30.12	51	-	0	r		30.12	+0.3	50	+1	E	2	r	"	"	"	"	"	"	"			
Seydisfjord	30.06	64	SW	4	c		30.13	+0.2	55	+5	-	0	c	"	"	"	"	"	"	"			
Thorshavn	30.36	59	W	3	b		30.34	+0.2	51	0	W	1	o	"	"	"	"	"	"	"			
Haparanda	30.06	58	-	0	b		30.16	0.0	57	-16	NW	2	b	"	-	77	45						
Hernösand	30.12	67	N	2	b.c		30.23	+0.1	62	-9	N	2	b	"	-	75	59						
Stockholm	30.04	64	N	2	b		30.12	+0.3	64	0	NNW	2	b.c	"	trace	70	61						
Wisby	30.02	59	W	2	o		30.10	+0.4	62	+2	NNW	2	b.c	"	-	64	57						
Karlstad	30.06	63	-	0	c		30.15	+0.2	63	+1	NE	2	b	"	-	0.08	72	59					
Färder (X'ania Fjord)	30.06	67	NNW	5	a		30.16	+0.1	65	+1	NNE	4	b.c	2	0.12	66	63						
Bodö	30.30	51	SSW	1	c		30.31	0.0	49	-2	W	1	c	2	0.08	52	46						
Christiansund	30.25	52	ENE	3	b		30.23	+0.1	52	-2	NE	1	b	2	-	57	48						
Skudesnaes	30.12	61	-	0	b		30.21	+0.1	64	+8	NE	2	b	2	-	61	52						
The Scaw (Skagen)	30.07	62	N	2	o		30.11	+0.2	63	0	NNE	1	b	0	-	70	59						
Blaavands Huk	30.05	61	NNE	1	b		30.13	+0.3	66	+6	NNE	1	b	1	-	70	50						
Cuxhaven	29.96	59	ENE	3	o		30.06	+0.2	60	+4	NE	3	b	0	0.12	64	56						
The Helder	29.94	61	NE	7	b		30.10	+0.3	61	+4	NE	3	b	1	trace	61	57						
Brussels	29.87	57	NNW	1	o		30.10	+0.6	56	+6	NW	3	b	"	-	0.24	64	50					
Berlin	29.88	64	E	1	c		29.97	+0.4	62	+7	E	3	c	"	trace	70	55						
Frankfurt	29.80	53	SE	1	r		29.91	+0.3	55	+2	NE	1	c	"	-	0.24	55	52					
Munich	29.91	50	SW	2	r		29.87	+0.1	52	0	SW	2	o	"	-	0.24	59	50					
C. Gris Nez	29.98	59	N	6	c		30.07	+0.4	59	+7	NE	5	c	4	0.20	63	57						
La Hève	30.05	57	N	4	o		30.09	"	56	0	NE	3	b	2	-	63	52						
Brest (St. Mathieu)	30.13	62	NNW	3	b.c		30.08	+0.2	55	0	E	3	m	1	-	66	55						
Lorient (Rec Melen)	30.04	68	N	1	b		29.98	"	55	-1	E	4	b	2	-	72	52						
Rocheport (Ile d'Aix)	30.04	65	NW	3	b		30.00	+0.1	59	-1	NE	3	b	"	-	0.79	72	55					
Biarritz	30.03	70	NNE	3	b		29.91	-0.4	59	-5	ESE	3	b	1	-	75	57						
Paris	29.95	57	NNW	4	o		30.01	+0.3	57														

GALES.

Duration and Extreme Force
on British Coasts.

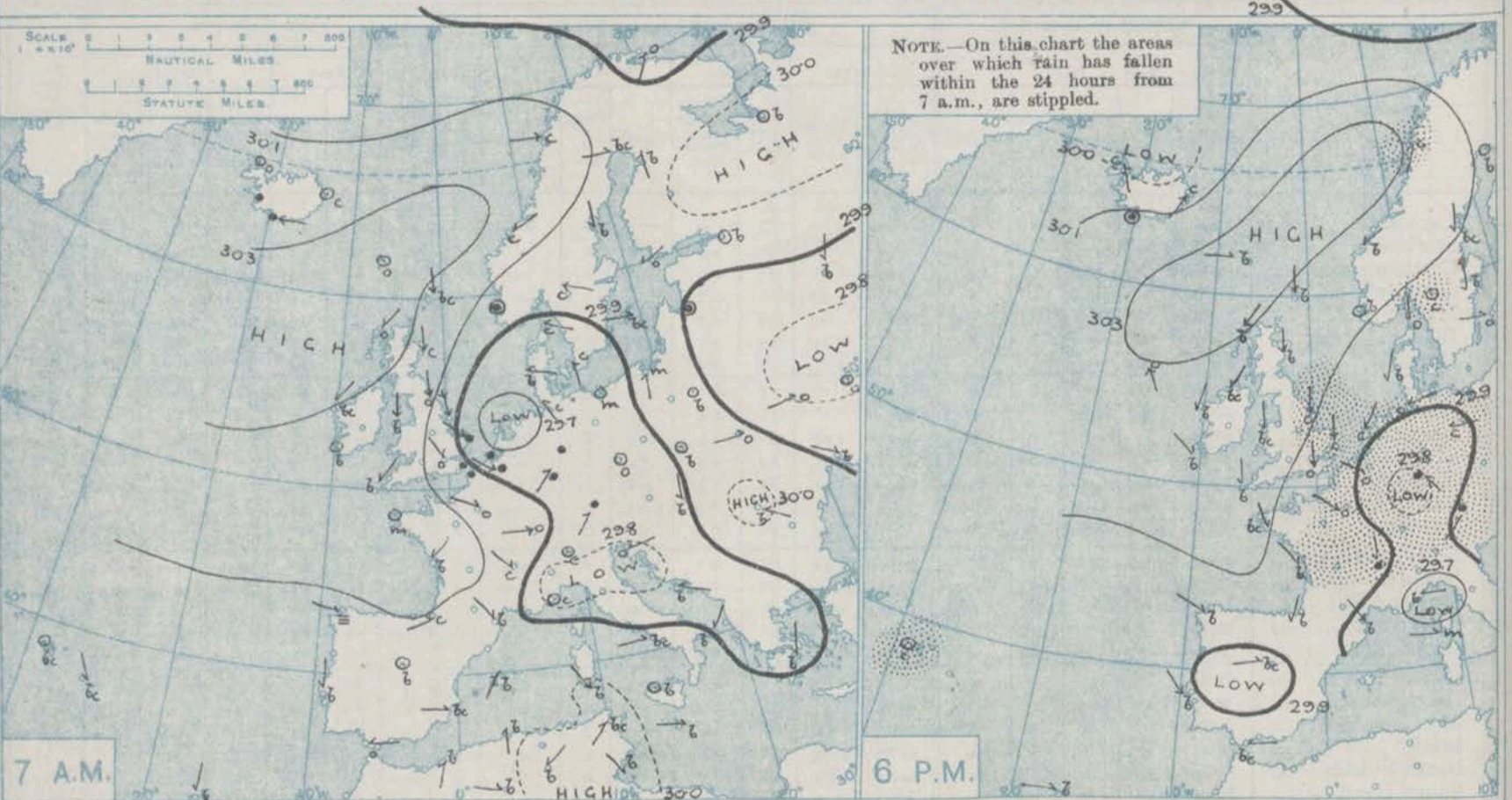
* Information for these columns not usually received

† Received too late for insertion in Charts.

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 23rd JULY.



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.

With pressure highest in the far north, and lowest in the far south, a cool Easterly type of

weather is expected over the British Isles during the coming twenty-four hours.

FORECASTS FOR THE 24 HOURS NOON Thursday TO NOON Friday.

0 {
1
2 {
3
4 {
5

Moderate to light North.
Easterly and Easterly breezes;
dull to fair or fine;
very cool.

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.

North Cone lowered this morning.

6 {
7 {
8 {
9 {
10 {

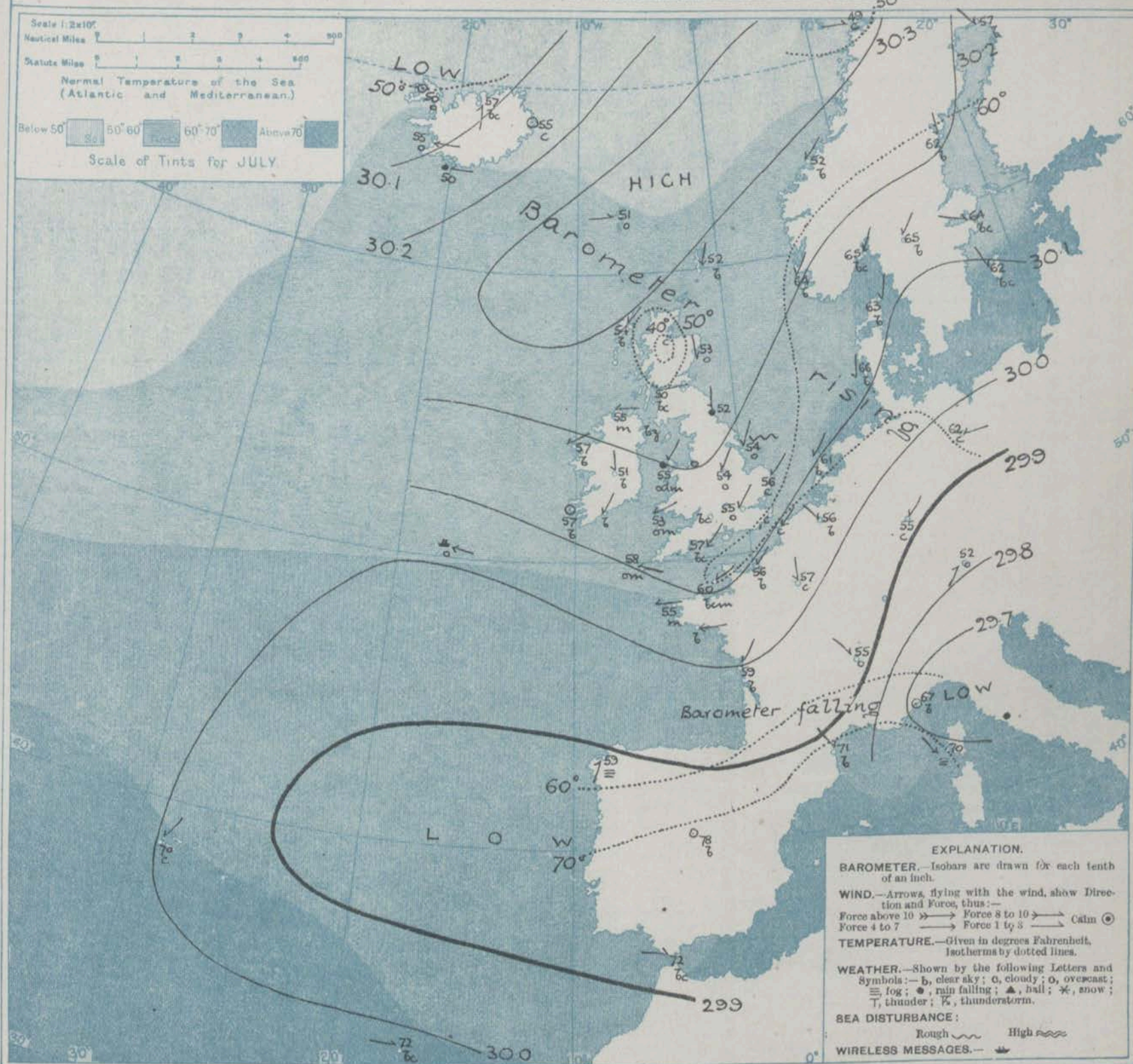
Same as Nos. 0 to 5.

11 WESTERN CHANNEL AND BAY.

Easterly breezes, moderate to light on Channel, freshening on Bay; sea smooth to moderate; fine to dull, some mist or fog, showers in south; very cool.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. THURSDAY 24TH JULY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The central space of an anticyclone, with the barometer above 30.3 in., extends from the Upper Atlantic north-eastward to the north of Norway. A low pressure area covers the region from the Azores to Southern Europe, the barometer being below 29.7 in. on the Riviera. The gradient is everywhere slight.

Moderate to light breezes from between North and East prevail over nearly the whole of the region under observation. Temperature remains low

generally. At the home stations it ranges from 40° at Nairn, and 50° at Glasgow to 61° at Dungeness; on the Continent from 49° at Bodo, and 52° at Christiansund and Munich to 71° at Perpignan, and 72° at Gibraltar; and in Iceland from 50° to 57°. At Spitzbergen the reading is 40°. Showers of drizzle are reported at Holyhead and Shields, the weather generally being cloudy to fine and clear. The sea is rather rough off the Humber, elsewhere it is slight to very smooth.

DAILY WEATHER REPORT.

Thursday, 24th July 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 7 a.m.	50	17	<i>Franconia</i>	O	30.02	00	ESE	4-5	0	23rd 6 p.m.	55	10	<i>Virginian</i>	H	30.28	00	E	1-3	c
23rd 6 p.m.	50	28	<i>Corinthian</i>	O	29.76	-03	SSW	5	7	" 7 a.m.	55	15	<i>do.</i>	H	30.27	+03	SSW	4-5	0
" "	51	11	<i>Franconia</i>	O	30.21	-03	ENE	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.	In.	P.	F.	b.	bc.	Hr.	Folkestone	In.	F.	F.	or.	bc.	Hr.
Oban ...	-	72	48	b.	bc.	12.0	Hythe ...	0.10	62	52	or.	bc.	2.2
Stonehaven ...	-	67	58	bc.	b.	12.4	Littlestone ...	-	-	-	-	-	1.8
Carnoustie ...	-	71	50	*	*	12.4	Hastings ...	0.02	62	49	o.	o. bc.	2.4
St. Andrews ...	-	65	58	bc.	b.	12.2	Bexhill-on-Sea ...	0.02	62	50	op.	bc.	3.5
England, N.E.	-	53	50	o.	o.	0.0	Eastbourne ...	0.03	61	50	o. bc.	o. bc.	0.8
Harrogate ...	-	54	51	og.	og.	0.0	Seaford ...	-	62	50	o.	o.	0.8
Scarborough ...	-	69	51	b.	b.	12.0	Brighton ...	-	60	51	o.	o. bc.	1.1
England, N.W.	-	67	56	c.	c. bc.	8.4	Worthing ...	-	60	48	c.	c.	1.0
Douglas ...	-	67	51	b. bc.	bc. bc.	9.5	Littlehampton ...	-	-	-	-	-	0.5
Blackpool ...	-	55	47	c. bc.	c.	0.2	Southsea ...	-	65	57	o. bc.	o. bc.	4.2
Southport ...	-	60	50	o.	o.	2.0	Ryde ...	-	64	60	c.	c.	3.0
Mid-lands.	-	66	55	bc.	b.	10.9	Ventnor ...	-	72	49	bc.	bc.	4.4
Buxton ...	-	64	52	b.	b.	10.0	Bournemouth ...	-	-	-	-	-	-
Leamington Spa ...	-	65	54	b.	b.	8.0	Weymouth ...	-	77	51	b.	b. bc.	8.5
Malvern ...	-	64	57	o. bc.	bc.	4.5	Exmouth ...	-	76	51	b.	b.	11.0
Wales.	-	-	-	-	-	-	Teignmouth ...	-	75	52	b.	b.	11.7
Rhyl ...	-	-	-	-	-	-	Torquay ...	-	75	51	b.	b.	11.3
Colwyn Bay ...	-	-	-	-	-	-	Paignton ...	-	76	50	b.	b.	11.3
Llandudno ...	-	-	-	-	-	-	Falmouth ...	-	69	55	b.	b.	12.2
Bettws-y-Coed ...	-	-	-	-	-	-	Bude ...	-	-	-	-	-	-
Aberystwyth ...	-	-	-	-	-	-	Ilfracombe ...	0.02	67	51	bc.	b.	9.4
England, E.	-	-	-	-	-	-	Weston-super-Mare ...	-	73	54	b.	b. bc.	8.5
Lowestoft ...	0.40	59	50	op.	c. o. c.	2.3							
Felixstowe ...	0.06	63	51	dm. og.	cmg.	2.6							
Walton-on-Naze ...	0.02	63	51	og. d. c.	bc. cm	2.7							
Southend-on-Sea ...	0.04	64	52	p. bc.	bc. b.	5.0							
England, S.E.	-	-	-	-	-	-							
Margate ...	0.15	62	57	o.	o.	0.2							
Ramsgate ...	0.20	61	50	-	-	2.0							

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.	
Greenwich (Royal Obs.) ...	89	76	60	52	43	0	0	0.3
City (Bunhill Row) ...	-	-	-	-	-	-	-	0.3
Westminster (St. James's Pk.)	84	77	60	54	48	0	0	0.5
Camden Sq. (Brit. Rainfall)	84	55	60	52	48	0	0	0.5
Hampstead (Reservoir) ...	-	81	56	51	43	0	0	0.0
Kew. (See front page.)	-	-	-	-	-	-	-	-
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.								
Total.			Mean Rate.		Max. Rate.			
S. Kensington (Roof of M.O.)			444 Joules.		7.8 Milliwatts.		2.6 Milliwatts.	

Additional Observations for Yesterday.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine for Yesterday.
		In Screen.	Night Min. on Grass.	Night.	Forenoon.	
Dublin to 4 p.m.	-	71	48	45	b.	bc.
Plymouth to 9 p.m.	-	73	52	45	b.	bc.
Darwen "	-	61	49	48	ug.	bc.
Manchester "	-	61	52	44	o.	c.
Birmingham "	-	61	50	45	o.	c. or
Oxford to 8 p.m.	-	61	50	45	o.	c.
S. Kensington (Museum Grounds to 6 p.m.)	59	-	45	o.	op. d.	o.

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

24th & 25th July 1913.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 4.2 4.3	G.M.T. 11.59 11.59	G.M.T. 7.56 7.54
Greenwich ...	4.13 4.14	12.6 12.6	7.59 7.58
Wick ...	3.47 3.49	12.48 12.48	8.49 8.47
Valencia ...	4.52 4.54	12.47 12.47	8.42 8.41

NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature showed considerable variations, not exceeding 58° at Harrogate, while Weymouth touched 77°. Showers fell in the south-east. Some of the eastern parts of England had no bright sunshine, while the western districts had large records, exceeding 12 hours in many places, 14½ hours at Castlebay and Valencia. As far west as the 30th meridian ships experienced variable winds and weather, some 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; 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.

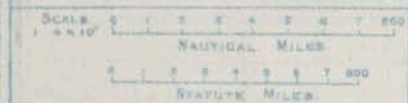
1913.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

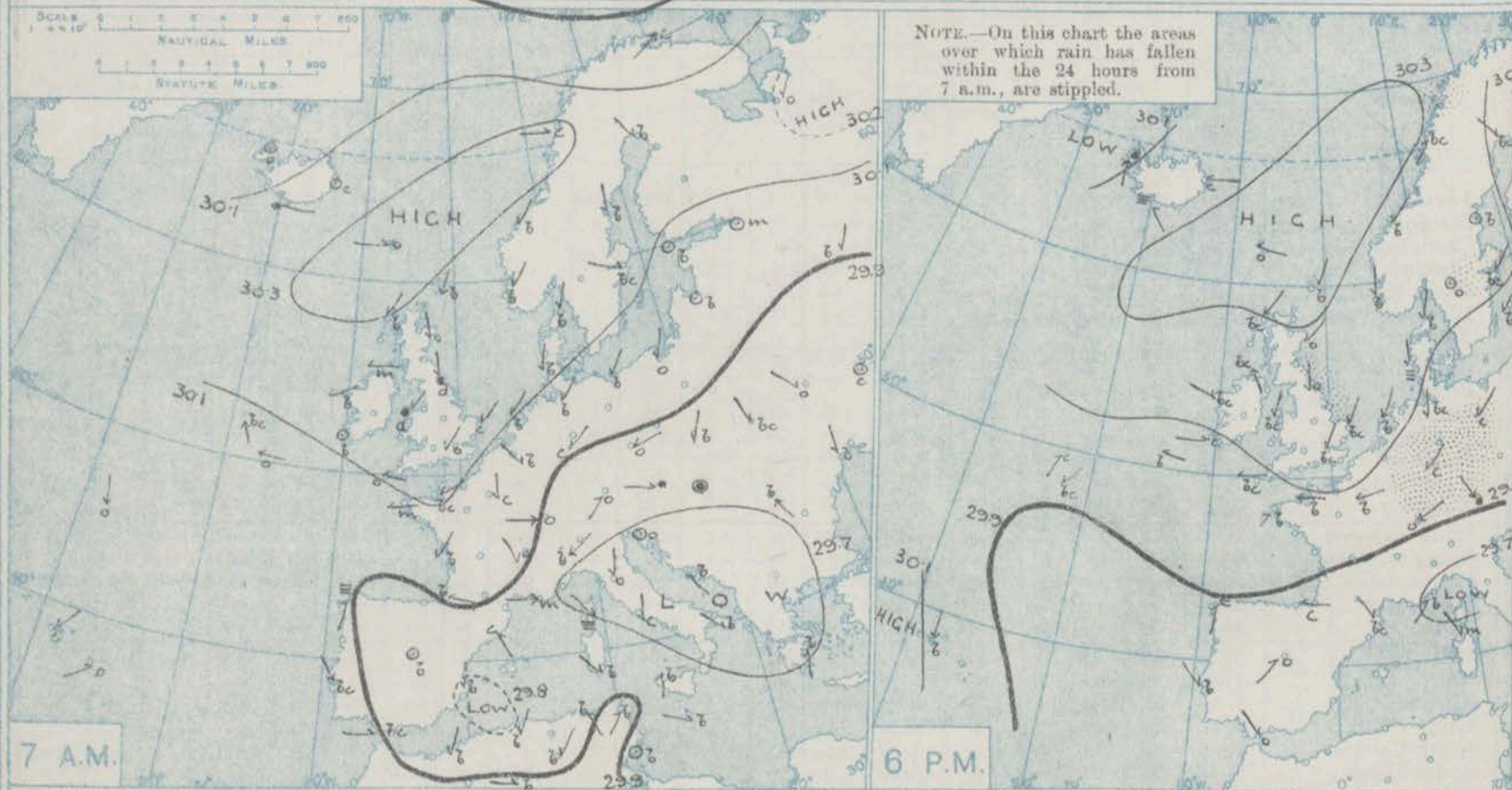
Friday,
25th July, 1913.

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. 46°.	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.
BRITISH ISLANDS.	Lerwick ...	In. 30.34	F. 55	NNE	3	b	In. 30.35	In. +0.2	F. 53	+1	NNE	3	b	2	In. -	F. 57	F. 50	b	b	b	b	14.5	
	Stornoway ...	30.28	57	NE	6	b	30.31	+0.1	57	+3	NE	3	b	3	-	60	50	b	b	b	b		
	Castlebay (Barra Isd.)	30.24	62	WNW	2	b	30.31	0.0	53	+3	ENE	1	o	*	-	61	51	o	o	o	o	7.4	
	Glasgow ...	30.26	58	ESE	2	bc	30.31	0.0	53	+3	ENE	1	o	*	-	61	51	o	o	o	o		
	Malin Head...	30.20	59	SE	4	bc	30.24	0.0	55	0	SE	2	z	1	-	60	52	bc	bc	bc	bc		
	Blacksod Point ...	30.15	67	NW	2	bc	30.20	+0.2	58	+1	SE	3	om	2	trace	71	55	om	om	bc	bc		
	Valencia ...	30.09	65	W	1	bc	30.13	+0.1	61	+4	ENE	1	b	3	-	70	54	bc	bc	bc	bc	11.5	
	Roche's Point ...	30.15	61	ESE	3	b	30.16	0.0	59	+1	ENE	2	b	2	-	64	53	bc	bc	bc	bc		
	Birr Castle ...	30.13	67	NE	3	bc	30.20	0.0	51	0	E	1	b	*	-	70	46	bc	bc	bc	bc	12.0	
	Donaghadee ...	30.24	56	SE	2	bc	30.24	+0.2	54	0	SE	3	bc	3	-	61	52	bc	bc	bc	bc		
	Liverpool Obsy. ...	30.19	60	NNW	1	c	30.26	+0.1	54	0	ESE	1	o	1	-	64	53	bc	bc	bc	bc	4.7	
	Holyhead ...	30.18	60	NNE	3	bc	30.21	-0.1	56	+1	E	4	bc	4	-	63	53	o	bc	bc	bc	6.8	
	Pembroke (St. Ann's Hd.)	30.13	64	SE	1	b	30.17	-0.1	56	+3	E	3	bc	1	trace	65	52	om	bc	bc	bc	6.5	
	Newquay ...	30.10	62	SE	2	bc	30.12	+0.1	61	+5	E	1	b	2	-	65	52	bc	bc	bc	bc	10.1	
	Scilly (St. Mary's) ...	30.08	61	E	3	bc	30.07	0.0	60	+2	ESE	5	bc	5	-	65	56	bc	bc	bc	bc	9.6	
Jersey (St. Aubin) ...	30.09	66	E	4	b	30.10	0.0	61	+1	E	5	bc	4	-	71	58	bc	bc	bc	bc	12.3		
Portland Bill ...	30.13	63	NNW	1	bc	30.15	0.0	56	-1	NE	5	b	4	-	66	53	bc	bc	bc	bc			
Dungeness ...	30.12	64	NNE	4	b	30.14	0.0	59	-2	NE	5	o	3	-	67	56	bc	bc	bc	bc			
Dover ...	30.14	59	NNW	5	b	30.17	0.0	57	-3	N	4	o	6	0.01	64	54	bc	bc	bc	bc	11.7		
Wick ...	30.31	53	NNE	3	bc	30.34	0.0	52	0	NNE	3	c	4	-	55	50	bc	bc	bc	bc			
Nairn ...	30.28	56	NNE	3	b	30.33	0.0	52	+12	-	0	o	1	-	60	47	bc	bc	bc	bc	11.0		
Aberdeen ...	30.29	55	NE	1	o	30.32	+0.2	52	-1	N	1	o	2	0.01	57	52	bc	bc	bc	bc	0.0		
Leith ...	30.26	56	ENE	2	o	30.30	+0.1	54	-1	NE	1	o	*	-	60	52	bc	bc	bc	bc			
North Shields ...	30.27	55	N	3	o	30.30	0.0	52	0	N	2	o	3	0.01	58	51	bc	bc	bc	bc	0.0		
Spurn Head ...	30.22	56	NNE	4	o	30.26	0.0	54	0	NNE	4	o	4	trace	59	51	bc	bc	bc	bc	0.0		
Yarmouth ...	30.19	59	NNE	2	bc	30.20	0.0	56	0	N	2	o	1	0.02	64	55	bc	bc	bc	bc	8.4		
Clacton-on-Sea ...	30.14	63	NE	4	b	30.19	0.0	55	-3	N	3	c	2	-	67	53	bc	bc	bc	bc	14.0		
Nottingham ...	30.20	59	ENE	3	o	30.25	0.0	53	-1	NE	2	o	*	-	62	52	bc	bc	bc	bc	0.2		
Bath ...	30.14	70	E	2	b	30.22	0.0	55	-3	ENE	1	o	*	-	71	50	bc	bc	bc	bc	10.2		
London (Kew Obsy.)...	30.15	67	NNE	3	bc	30.21	+0.1	54	-1	NNE	3	om	*	-	70	52	bc	bc	bc	bc	9.2		
ICELAND, FAEROE, &c.	Spitzbergen ...	29.54	42	N	5	b	30.24	+0.1	57	+7	-	0	b	*	-	45	34	GALES. Duration and Extreme Force on British Coasts.					
	Isafjord ...	30.08	59	S	6	r	30.27	0.0	54	-1	E	6	o	*	-	60	47						
	Reykjavik ...	30.13	55	E	6	bc	30.27	0.0	54	-1	E	6	o	*	-	60	47						
	Vestmanna ...	30.21	51	SE	1	f	30.25	+0.1	54	-1	SE	2	o	1	-	60	47						
	Seydisfjord ...	30.21	57	E	2	c	30.25	+0.1	54	-1	-	0	bc	*	-	60	47						
Thorshavn ...	30.39	57	ESE	1	o	30.43	+0.1	51	0	E	1	o	*	-	60	47							
SCANDINAVIA.	Haparanda ...	30.06	56	NW	2	bc	30.13	0.0	57	0	NW	4	b	*	-	70	41	GALES. Duration and Extreme Force on British Coasts.					
	Hernösand ...	30.14	59	-	0	b	30.19	0.0	61	-1	N	2	b	*	-	72	52						
	Stockholm ...	30.13	63	NE	2	bc	30.12	+0.1	62	-2	N	1	o	0.08	75	55							
	Wisby ...	30.09	61	NE	2	b	30.06	-0.1	63	+1	NNE	4	b	*	-	64	57						
	Karlstad ...	30.12	68	-	0	o	30.14	+0.4	61	-4	E	2	bc	*	-	75	59						
	Færder (X'lania Fjord)	30.12	69	S	2	c	30.13	+0.1	63	-2	NNE	4	c	2	-	70	63						
	Bodö ...	30.28	51	SW	2	bc	30.26	0.0	50	+1	SW	4	o	2	0.04	52	48						
	Christiansund ...	30.28	54	NE	1	b	30.32	+0.1	57	+5	E	1	b	2	-	59	48						
	Skudesnaes ...	30.18	62	N	2	b	30.13	-0.1	59	-5	N	2	b	2	-	66	52						
	The Scaw (Skagen)...	30.13	64	NNE	3	b	30.12	+0.1	66	+3	NE	1	c	0	-	73	61						
Blaavands Huk ...	30.13	59	N	2	f	30.13	+0.3	68	+2	NE	1	b	1	-	68	54							
GERMANY, &c.	Cuxhaven ...	30.08	65	N	3	bc	30.10	0.0	63	+3	E	1	b	0	-	70	59	GALES. Duration and Extreme Force on British Coasts.					
	The Helder ...	30.13	64	NNE	4	b	30.17	+0.1	59	-2	NNW	4	c	*	-	66	57						
	Brussels ...	30.07	62	NE	3	o	30.12	+0.1	59	+3	ENE	2	bc	*	-	73	53						
	Berlin ...	29.99	66	NE	2	c	30.02	+0.1	62	0	N	3	o	0.35	75	59							
	Frankfurt ...	30.01	61	NE	1	c	30.05	+0.3	63	+8	NE	3	b	0.04	66	55							
Munich ...	29.94	52	NW	5	T	30.01	+0.2	54	+2	NW	3	o	0.35	65	52								
FRANCE.	C. Gris Nez... ..	30.12	59	NE	5	bc	30.15	0.0	58	-1	NE	5	o	4	-	63	57	GALES. Duration and Extreme Force on British Coasts.					
	La Hève ...	30.08	60	NE	3	m	30.05	0.0	59	+3	NE	3	m	3	-	66	55						
	Brest (St. Mathieu) ...	30.04	67	SW	1	b	30.05	+0.1	59	+4	ENE	3	c	1	-	81	57						
	Lorient (Rec Molen)...	29.88	73	E	3	b	29.97	0.0	59	+4	E	4	o	2	-	77	55						
	Rochefort (Ile d' Aix)	29.94	72	ENE	4	b	29.94	+0.2	60	+1	ENE	4	c	0	-	82	55						
	Biarritz ...	29.84	77	E	2	c	29.81	+0.1	62	+3	ESE	2	o	0	-	81	61						
	Paris ...	30.02	66	NE	2	bc	30.07	+0.1	61	+4	NE	2	b	*	-	70	53						
	Belfort ...	29.99	59	ENE	4	o	30.06	0.0	52	+2	E	3	f	0.04	61	47							
	Lyons ...	29.98	58	NW	3	bc	30.00	0.0	53	-2	N	2	o	*	-	62	51						
	Nice ...	29.88	69	SW	1	b	29.78	+0.7	73	+6	-	0	o	1	-	79	61						
Perpignan ...	29.80	79	NW	1	bc	29.90	+0.4	67	-4	SW	1	o	2	-	86	54							
Sanguinaire ...	29.73	72	NW	2	m	29.76	0.0	60	-1	E	1	o	*	-	75	63							
SPAIN, PORTUGAL, &c.	Corunna (8 a.m.) ...	29.90	61	SSW	1	f	29.83	0.0	60	+1	ESE	1	c	2	-	64	57	GALES. Duration and Extreme Force on British Coasts.					
	Lisbon (8 a.m.) ...	29.87	63	NW	4	o	29.91	+0.4	66	-1	SSW	2	o	2	-	73	61						
	Gibraltar ...	29.84	65	NW	3	o	29.87	0.0	68	-4	NW	4	bc	*	-	93	7						
	Azores (Horta 8 a.m.)	30.10	69	NNE	4	b	30.13	+0.1	68	-2	N	4	bc	3	-	77	68						
Madeira (Funchal) ...																							

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



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.

The British Isles are still situated between a northern anticyclone and a southern depression,

so that the Easterly type of conditions will be maintained for the present.

FORECASTS FOR THE 24 HOURS NOON

Friday TO NOON Saturday.

0 {
1
2 {
3
4 {
5

Wind between North and East, fresh at times locally; dull to fair or fine; some increase of temperature.

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts 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 {
7 {
8 {
9 {
10 {

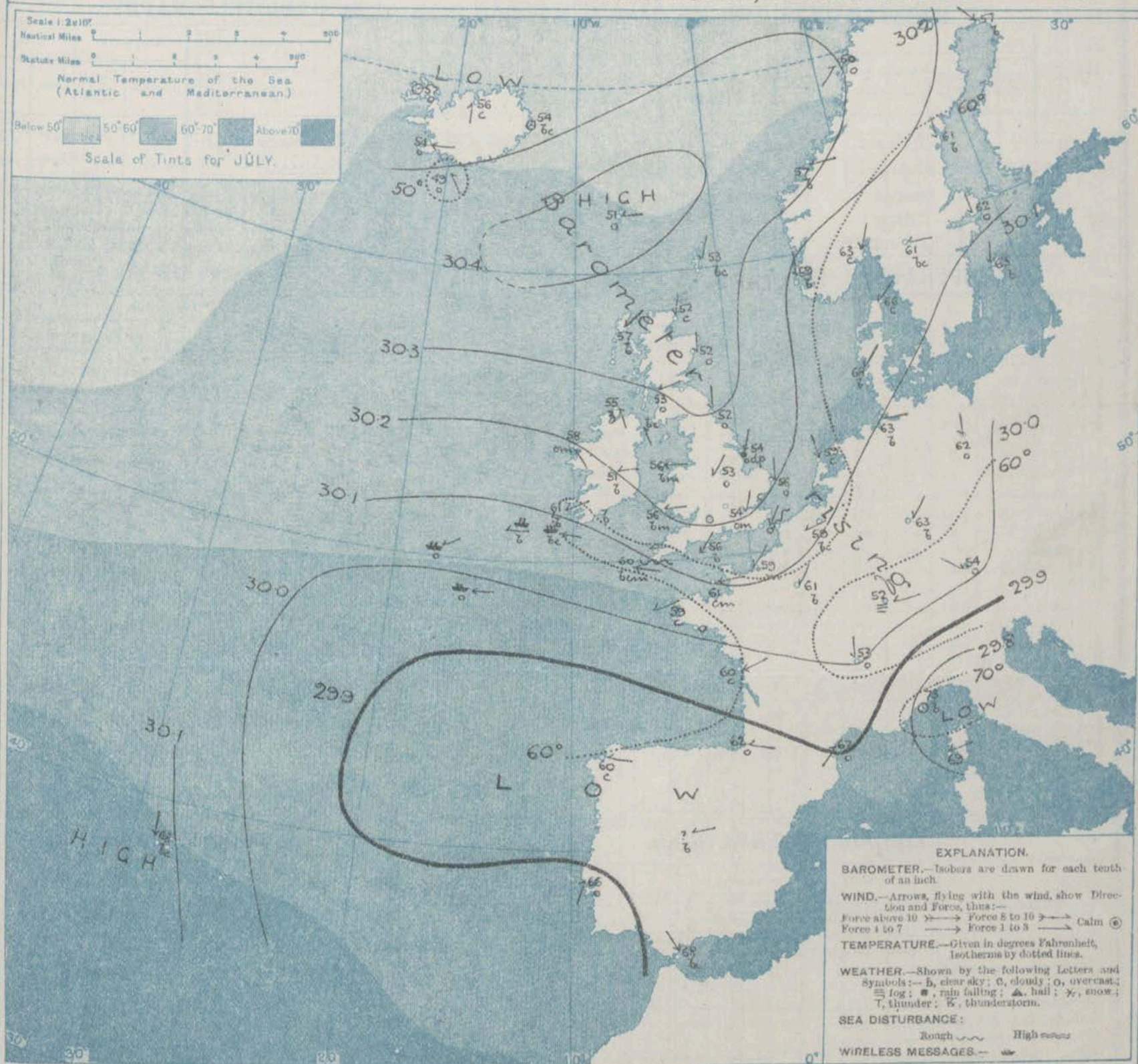
Easterly to South - Easterly breezes, fresh at times locally; fair to fine, local mist; some increase of temperature.

11 WESTERN CHANNEL AND BAY.

Easterly and South-Easterly winds, freshening; sea slight to rather rough; fair to dull, local showers, mist or fog; very cool.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. FRIDAY, 25TH JULY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

An area of high pressure extends from the Upper Atlantic across to Lapland, and depressions cover the region from the Azores to Italy. The barometer is above 30.4 in. at the Faeröe, and it is below 29.8 in. over Italy. The gradient is moderate to slight.

Northerly to Easterly breezes prevail throughout our area, nearly everywhere moderate to very light in force. At the same stations temperature ranges from

51° at Birr Castle to 61° at Jersey, Harquay and Valencia; on the Continent from 50° at Bodo, and 52° at Belfort to 62° at Blaavandø Huk, and 73° at Riga; and in Iceland from 49° to 57°. At Spitzbergen the reading is 44°. The weather is overcast in most parts of Britain, with drizzling showers at Spurn Head; elsewhere it is mostly fair to fine and clear. The sea is rough off Dover, rather rough off Scilly, slight to very smooth elsewhere.

DAILY WEATHER REPORT.

Friday, 25th July 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 7 a.m.	51	13	Merion	O	?	In.	E	(0-12).	b	25th 7 a.m.	51	11	Montreal	H	30.10	+0.2	ESE	4-5	bc.
25th 7 a.m.	50	18	Olympic	O	30.08	+0.1	ENE	1-3	o	24th 6 p.m.	51	14	Montreal	H	30.10	00	ESE	1-3	b
"	48	16	Oceanic	H	29.95	-0.1	E	4-5	o	" 7 a.m.	46	27	Oceanic	H	29.97	-0.3	NNW	6-7	o
24th 6 p.m.	47	22	do	H	29.92	00	NE	1-3	bc	"	52	18	Montreal	H	30.09	+0.4	SSE	4-5	bc
"	49	22	Tranconia	O	29.99	+0.1	SSW	1-3	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	-	7	41	bc.b	b	13.0	England, S.E.—cont.	(Folkestone	-	66	55	b	b	12.1
	Stonehaven	-	59	50	cg	og	0.0		(Hythe	-	"	"	"	"	9.3
	Carnoustie	-	62	43	bc	"	2.0		(Littlestone	-	"	"	"	"	11.0
	St. Andrews	-	59	44	bc	c.o	1.5		(Hastings	-	69	54	b	b	11.2
Engl. N.E.	(Harrogate	0.01	61	50	c.c	bc	1.5		(Bexhill-on-Sea	-	69	54	b	b	11.0
	Scarborough	-	60	51	o	c.c	0.0		(Eastbourne	-	69	54	o.bc	bc.o	11.0
England, N.W.	(Douglas	-	61	49	o	b	6.5		(Seaford	-	71	51	b	b	11.0
	Blackpool	-	67	50	c.bc	bc.c	5.3		(Brighton	-	72	53	c.bc	b	10.5
	Southport	-	67	52	o.bc	bc.o	3.1		(Worthing	-	71	51	bc	bc.b	9.2
Mid- lands.	(Buxton	-	60	47	c.b	bc	3.4		(Littlehampton	-	"	"	"	"	10.2
	Leamington Spa	-	66	53	bc	bc	7.7		(Southsea	-	70	53	c.b.bc	b	10.2
	Malvern	-	"	"	"	"	5.0		(Ryde	-	69	59	b	b	10.2
Wales.	(Rhyl	-	66	55	b	b.bc	5.0	(Ventnor	-	"	"	"	"	9.5	
	Colwyn Bay	-	65	52	bc	b	6.0	(Bournemouth	-	72	49	c.bc.b	b.bc.b	9.5	
	Llandudno	-	65	53	b	bc	8.7								
England, E.	(Bettws-y-Coed	-	"	"	"	"	"	England, S.W.	(Weymouth	-	71	52	b	b	10.2
	Aberystwyth	-	68	53	c.c.b	bc.c	7.5		(Exmouth	-	66	55	b	b	10.2
	(Lowestoft	-	60	54	bc.c.bc	bc.c	8.1		(Teignmouth	-	66	56	b	b	10.2
England, S.E.	Felixstowe	-	67	52	bc.m	bc.m	11.7		(Torquay	-	67	57	b	b	10.2
	Walton-on-Naze	-	64	52	cg	b	11.1		(Paignton	-	65	58	b	b	10.2
	Southend-on-Sea	-	69	51	b	b	12.0		(Falmouth	-	64	54	c.b	bc	9.2
Engl. S.E.	(Margate	-	64	55	bc	bc.b	7.2		(Bude	-	"	"	"	"	10.2
	Ramsgate	-	62	55	"	"	9.1		(Ilfracombe	-	66	55	bc.b	b	10.2
									(Weston-super-Mare	-	71	55	b.bc.b	b	10.2

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 Obs.) ...	%	%	F.	F.	F.	In.	bc	bc.0	0	Hr. 8.3	Dublin to 4 p.m.	In.	F.	F.	F.	bc	c.b	c.b	
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*		Plymouth to 9 p.m.	-	63	50	47	bc	bc	bc	
Westminster (St. James's Pk.)	57	84	71	53	49	-	bc	bc	bc.		Darwen	-	65	50	52	gc	gc	bc	
Camden Sq. (Brit. Rainfall)	50	80	76	51	48	-	0.bc	bc	bc.0	8.5	Manchester	Trace	69	53	"	0p.0	0.c	c.0c	
Hampstead (Reservoir) ...	*	*	*	*	*	*	*	*	*		Birmingham	-	63	52	50	0	0	0	
Kew. (See front page.)	*	*	*	*	*	*	*	*	*		Oxford to 8 p.m.	"	70	53	50	0.b.c.0	0.c	c.b.c	
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																			
			Total.		Mean Rate.		Max. Rate.												
S. Kensington (Roof of M.O.)	54	82	1742	Joules.	30.7	Milliwatts.	80.5		Milliwatts.	7.2	S. Kensington (Museum Grounds to 6 p.m.)	-	71	-	45	0.c.0	0.0	bc.c.c	

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.		Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.						
	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.				
BRITISH ISLANDS.	Lerwick	In.	F.				In.	In.	F.				In.	F.	F.				Hours				
	30.25	53	NNE	3	o	30.33	00	52	-1	NNE	3	o	3	-	56	50	bc	om	o	"			
	Stornoway	30.29	59	NE	4	b	30.30	00	58	+1	NE	2	b	2	-	65	47	b	b	bc.b.	14.2		
	Castlebay (Barra Isd.)	30.27	60	WNW	3	bm																	
	Glasgow	30.26	63	NE	2	bc	30.31	00	50	-3	NE	3	bc	*	-	65	47	oc	bc	bc.b.	7.5		
	Malin Head... ..	30.23	58	NNE	1	g	30.26	-01	57	+2	E	1	g	0	-	60	52	f	g	g			
	Blacksod Point ...	30.19	67	NNW	2	bc	30.25	+01	60	+2	NNW	1	bc	1	trace	70	52	by	by	by			
	Valencia	30.17	66	-	0	cy	30.21	+02	56	+5	-	0	by	2	-	74	50	by	by	by	12.5		
	Roche's Point ...	30.17	62	ESE	2	b	30.22	*	55	-4	NNE	2	b	2	trace	66	51	by	by	by			
	Birr Castle	30.17	68	NE	2	bc	30.23	*	50	-1	-	0	5	*	-	72	46	bc	bc	by	11.5		
	Donaghadee	30.24	58	NNW	1	by	30.26	+01	55	+1	WNW	2	5	1	-	60	53	by	by	by			
	Liverpool Obsy. ...	30.19	62	NNW	1	m	30.25	00	55	+1	E	2	b	1	-	66	52	cm	bm	bm	5.4		
	Holyhead	30.19	60	NE	2	b	30.21	+01	58	+2	ENE	2	bm	2	-	65	55	bm	bm	bm	12.6		
	Pembroke (St. Ann's Hd.)	30.15	61	NW	2	b	30.19	-02	54	-2	E	3	bcm	1	trace	64	51	bm	bm	bm	12.7		
	Newquay	30.17	69	-	0	b	30.15	+02	59	-2	-	0	by	1	-	70	54	b	by	b	13.6		
	Scilly (St. Mary's) ...	30.06	62	ENE	2	b	30.11	+01	60	0	E	4	bcm	4	-	65	57	bcm	bm	bcm	9.4		
	Jersey (St. Aubin) ...	30.03	66	NE	5	bcm	30.13	*	61	0	ENE	5	c	5	-	68	57	c.c.m	bcm	bcm	8.0		
	Portland Bill	30.10	62	E	3	b	30.18	+03	57	+1	NE	4	c	3	-	64	54	b	b	b.b.c	*		
	Dungeness	30.12	61	NE	6	c	30.16	+01	58	-1	NE	4	op	3	trace	64	57	c	c	c	*		
	Dover	30.13	57	E	5	c	30.17	*	57	0	N	4	o	2	0.01	64	55	o.c.b.c	bc	c.p.	7.4		
ICELAND, FAEROE, &c.	Wick	30.33	54	NE	3	bc	30.34	+01	52	0	NE	1	o	3	trace	54	50	ed.cy	bcy	oe	*		
	Nairn	30.30	57	NNE	2	b	30.33	*	52	0	-	0	o	1	-	60	44	bc	by	3.0	8.5		
	Aberdeen	30.30	60	NNE	3	b	30.33	+01	52	0	NNW	1	o	2	trace	65	49	o.b	b	bod	11.0		
	Leith	30.27	60	NE	2	bc	30.29	+02	52	-2	NE	1	o	3	-	63	49	o	c.b.c	b	*		
	North Shields ...	30.26	58	NNE	2	c	30.30	00	52	0	N	3	o	3	-	57	51	o	c	o	0.7		
	Spurn Head	30.23	55	NNE	4	o	30.23	00	54	0	N	4	o	4	-	56	51	o	o	o	0.0		
	Yarmouth	30.18	56	N	2	o	30.19	00	55	-1	N	2	o	1	-	60	54	c	c.o	o	0.0		
	Clacton-on-Sea ...	30.15	61	NE	5	bc	30.19	+01	55	0	NNE	2	o	2	-	64	55	c.b.c	bc	bc.c.y	10.5		
	Nottingham... ..	30.21	58	ENE	2	o	30.24	*	52	-1	NE	3	o	*	-	59	51	o	o	o	0.0		
	Bath	30.11	67	E	4	b	30.23	*	55	0	E	1	o	*	-	72	52	o.b	b	b.o	10.3		
SCANDINAVIA.	London (Kew Obsy.)...	30.15	65	NNE	3	b	30.22	+01	55	+1	NNE	2	om	*	trace	67	53	om.c	c.b.c.b	bodm	7.5		
	Spitzbergen	29.89	39	NW	4	o	29.89	00	39	-5	NW	4	*	*	-	45	36	*	*	*			
	Isafjord... ..	30.23	61	S	4	c	30.18	-01	54	-3	S	3	o	*	-	*	*	*	*	*			
	Roykjavik	30.28	57	E	4	c	30.24	00	52	-2	SE	2	o	*	-	*	*	*	*	*			
	Vestmanna	30.28	52	ESE	5	o																	
	Seydisfjord	30.28	59	-	o	c	30.18	-02	49	-5	-	0	b	*	-	*	*	*	*	*			
	Thorshavn	30.42	57	ENE	2	c	30.38	-01	52	+1	-	0	bc	*	-	*	*	*	*	*			
	Haparanda	30.09	55	NNW	2	b	30.06	-02	51	-6	NNW	4	c	*	-	70	43	*	*	*			
	Hernösand	30.18	63	-	0	b	30.18	00	61	0	NNW	4	c	*	-	70	43	*	*	*			
	Stockholm	30.12	60	N	2	c	30.16	+01	63	+1	NW	4	b	*	0.08	66	50	*	*	*			
GERMANY, &c.	Wisby									NNE	4	b	*	-	68	52	*	*	*				
	Karlstad	30.16	62	-	0	bc																	
	Færder (X'ania Fjord)	30.12	70	SSW	1	c	30.21	+02	59	-2	-	0	c	*	0.04	72	52	*	*	*			
	Bodö	30.30	50	SW	1	c	30.23	+02	63	0	NNE	4	c	1	0.12	70	63	*	*	*			
	Christiansund ...	30.30	54	NE	1	b	30.29	+01	49	-1	W	4	c	2	0.08	52	46	*	*	*			
	Skudesnaes	30.11	58	N	4	b	30.23	+01	52	-1	ENE	1	b	2	-	55	49	*	*	*			
	The Scaw (Skagen)...	30.13	65	NE	1	b	30.21	+01	61	+2	-	0	f	2	-	61	52	*	*	*			
	Blaavands Huk ...	30.13	62	N	1	bc	30.17	+01	70	+2	ENE	1	b	1	-	72	63	*	*	*			
	Cuxhaven	30.08	64	N	3	bc	30.11	+01	65	+2	E	1	b	0	-	68	61	*	*	*			
	The Helder	30.13	59	N	3	o	30.17	+03	60	+1	N	2	c	1	-	63	57	*	*	*			
FRANCE.	Brussels	30.08	64	NE	2	bc	30.12	+01	59	0	NNE	1	o	*	-	71	58	*	*	*			
	Berlin	30.01	64	-	0	b	30.10	+04	59	-3	N	2	o	*	trace	71	55	*	*	*			
	Frankfurt	30.03	63	NE	1	b	30.08	+03	61	-2	NE	1	o	*	-	73	57	*	*	*			
	Munich	30.00	58	NE	2	b	30.06	+01	59	+5	SW	2	b	*	-	68	48	*	*	*			
	C. Gris Nez... ..	30.13	58	NE	5	o	30.16	+01	58	0	NE	4	o	3	trace	63	55	*	*	*			
	La Hève	30.04	64	NE	4	m	30.10	+01	57	-2	ENE	3	m	2	-	73	54	*	*	*			
	Brest (St. Mathieu) ...	30.00	69	NE	4	m	30.08	+02	62	+3	E	4	c	2	-	81	55	*	*	*			
	Lorient (Bec Malen)...																						
	Rochefort (Ile d' Aix)	29.86	70	SSW	1	o	29.97	+04	65	+5	ENE	3	b	*	-	79	59	*	*	*			
	Biarritz	29.77	73	ENE	3	bc	29.97	+03	66	+4	SW	3	c	2	0.04	81	62	*	*	*			
SPAIN, PORTUGAL, &c.	Paris	30.00	72	NNE	3	b	30.08	+02	63	+2	NNE	3	o	*	-	77	57	*	*	*			
	Belfort	29.97	67	ENE	6	m	30.06	*	58	+6	ENE	4	m	*	-	70	50	*	*	*			
	Lyons																						
	Nice	29.89	69	-	0	c	29.99	+05	69	-4	-	0	b	2	-	82	63	*	*	*			
	Perpignan	29.90	68	SE	1	flr	29.99	+03	65	-2	-	0	bc	*	0.08	73	58	*	*	*			
	Sanguinaire	29.86	70	N	2	?	29.96	*	70	+1	E	2	b	2	-	77	63	*	*	*			
	Corunna (8 a.m.) ...	29.86	62	NNW	1	b	29.97	00	59	-1	E	1	b	2	-	64	52	*	*	*			
	Lisbon (9 a.m.) ...																						
	Gibraltar																						
	Azores (Horta 8 a.m.)	30.19	68	NNE	4	b	30.20	+02	68	0	NNE	4	b	3	-	73	66	*	*	*			
Madeira (Funchal) ...																							

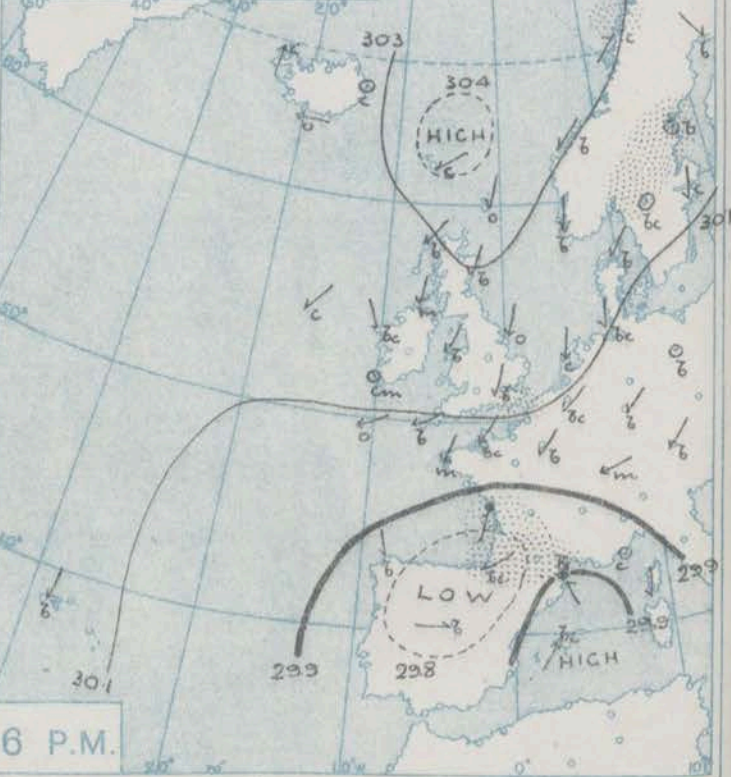
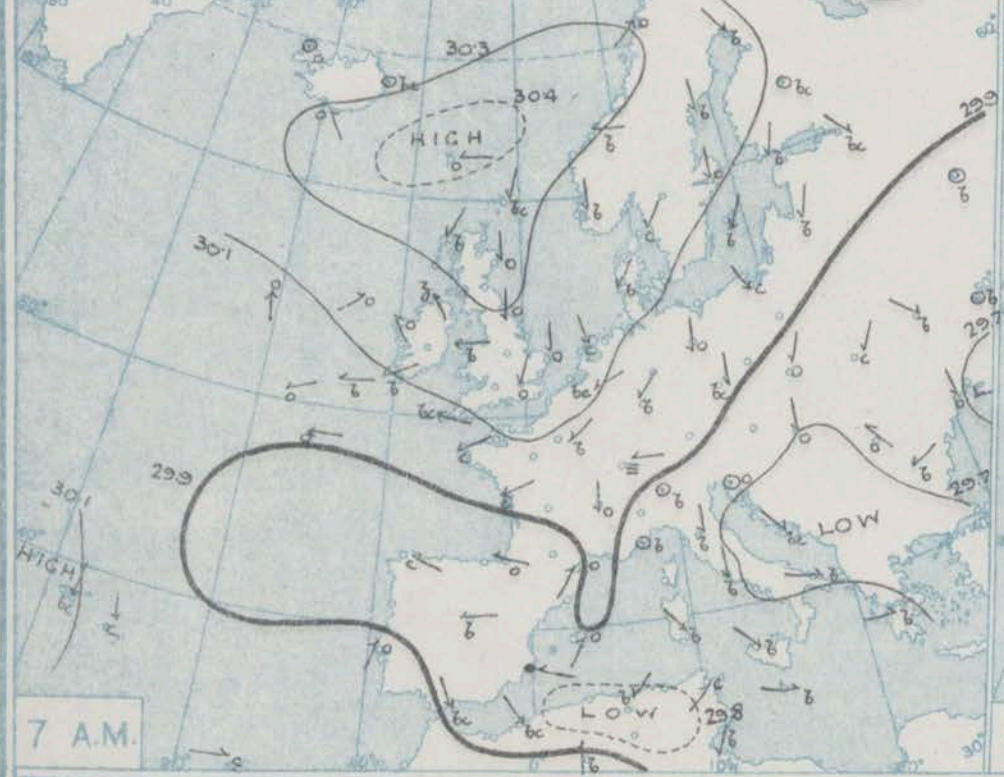
* Information for these columns not usually received.

† Received too late for insertion in Charts.

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



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.

Excepting along the Arctic circle a general increase of pressure is in progress, and the Easterly type of conditions is likely to be

maintained. In the extreme south there is a tendency to showers under the influence of a shallow depression on the Bay.

FORECASTS FOR THE 24 HOURS NOON Saturday TO NOON Sunday.

- 0 {^a Calms and light variable
^b Northerly to Easterly breezes; dull to fair or fine; cool.
- 1 {^a
- 2 {^a Light to moderate Northerly
^b to Easterly breezes; dull to fair or fine, mist in places; temperature below the normal.
- 3 {^a
- 4 {^a
- 5 {^a Light to moderate breezes between
^b North and East; dull to fair or fine, some local showers and mist; temperature below the normal.



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.

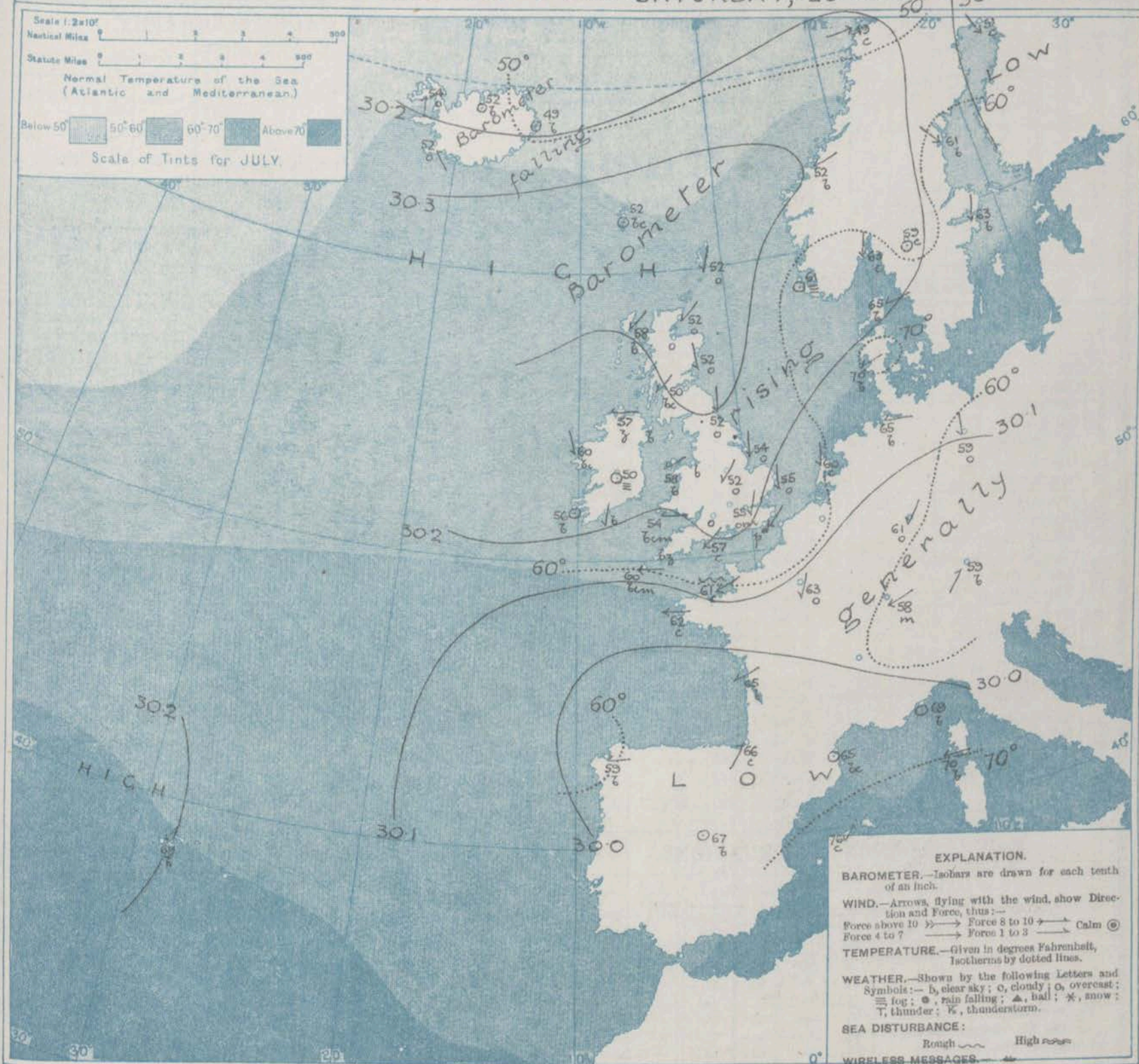
- 6 {^a Light to moderate North-
^b Easterly to Easterly breezes; generally fair to fine; temperature below the normal.
- 7 {^a
- 8 {^a Same as No. 5.
^b
- 9 {^a Calms and light variable
^b breezes; generally fair to fine, misty in places; day temperature about the normal.
- 10 {^a
- 11 {^a
- 12 {^a

11 WESTERN CHANNEL AND BAY.

Channel and Northern Bay, Easterly breezes, fresh at times, Southern Bay, variable to Westerly breezes; sea smooth to moderate; generally fair to fine, local showers and mist; moderate temperatures.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. SATURDAY, 26TH JULY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

An area of high pressure now embraces nearly the whole of the region under observation. The barometer is above 30.3 in. from Scotland to the Faeroe, and below 30.0 in. from the southern part of the Bay across to Italy. The gradient is slight everywhere.

Balms and light to moderate northerly to easterly breezes prevail at home and abroad. Over the British Isles temperatures range from 50° at Birr Castle to 61° at Jersey;

on the continent from 49° at Bodø to 70° at Blaavands Huk; and in Iceland from 49° to 54°. At Spitzbergen the reading is 39°. In all countries the sky varies from cloudless to overcast. Showers are falling at Dungeness, and the atmosphere is foggy in central Ireland and on the south coast of Norway. The sea is rather rough near the Channel Islands, slight to very smooth in nearly all other localities.

DAILY WEATHER REPORT.

Saturday, 26th July 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	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 6 p.m.	55	15	Megantic	H	30.16	-0.4	NE	1-3	c	25th 11 p.m. G.M.T.	46	51	Ice Scout "Scotia"		29.96	-0.4	SSE	2	f
"	51	"	Baltic	O	30.11	-0.1	ESE	1-3	m	25th 7 a.m.	54	20	Air Temperature 52°		30.07	+0.4	SSE	4-5	"
"	49	10	Oceanic	H	30.07	+0.2	ENE	4-5	o	"	55	14	Oceanic		30.16	-0.1	SW	1-3	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.	F.	F.	c.b	b.c.b	8.5	England, S.E.—cont.	Folkestone	In.	F.	F.	b	b	8.5
	Stonehaven	-	65	48	og	b.c.b	8.4		Hythe	-	66	55	b	b	8.5
	Carnoustie	-	60	52	og	*	5.7		Littlestone	-	*	*	b	b	8.5
	St. Andrews	-	61	54	o	b.c.	5.5		Hastings	-	68	55	b.b.c	b	10.7
England, N.E.	Harrogate	-	57	49	o	o.c.m.c	0.3	England, S.W.	Bexhill-on-Sea	-	69	54	c.b.c	b	9.7
	Scarborough	-	57	51	of	of	0.0		Eastbourne	-	66	53	o.b.c	b	12.5
England, N.W.	Douglas	-	65	54	o	b	6.2		Seaford	-	70	56	b	b	12.5
	Blackpool	-	70	48	c	c.m	7.4		Brighton	-	71	53	b.c.b	b	13.5
England, S.W.	Southport	-	60	46	b.b.c.	b.b.c.b	7.2	England, S.W.	Worthing	-	71	62	b.b.c.b	b	12.5
	Buxton	-	63	47	b.c	b.c	3.9		Littlehampton	-	*	*	*	*	12.5
Mid-lands.	Leamington Spa	-	61	54	o	o	0.5		Southsea	-	72	52	b	b	12.5
	Malvern	-	*	*	*	*	7.8		Ryde	-	68	59	o.c	c.b.c.b	12.5
Wales.	Rhyl	-	69	49	b	b.b.c.	10.5	England, S.W.	Ventnor	-	73	50	b.c.b	b	10.6
	Colwyn Bay	-	64	47	b	b	8.5		Bournemouth	-	73	50	b.c.b	b	10.6
Wales.	Llandudno	-	65	51	b	b.c.m	9.5		Weymouth...	-	75	52	b.b	b	12.5
	Bettws-y-Coed	-	*	*	*	*	*		Exmouth	-	69	53	b	b	12.5
England, S.E.	Aberystwyth	-	71	54	c.b	b.b.c	13.0		Teignmouth	-	67	55	b	b	12.5
	Lowestoft	-	58	55	*	o	0.0	England, S.W.	Torquay	-	67	56	b	b	12.5
England, S.W.	Felixstowe	-	64	53	c.d.c	b.c.m	9.8		Paignton	-	65	53	b	b	12.5
	Walton-on-Naze	-	61	54	o.c.b	b.b.c.m	7.7		Falmouth	-	65	57	b	b	12.5
	Southend-on-Sea	-	69	52	b	b	11.5		Bude	-	65	57	b	b	12.5
England, S.E.	Margate	-	67	56	b.c.c	c.b.c.c	4.5	England, S.W.	Ilfracombe	-	69	56	b	b	11.5
	Ramsgate	-	61	54	*	*	8.4		Weston-super-Mare	-	71	51	b.b.c.b	b	10.6

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.					
%	%	F.°	F.°	F.°	In.				Hr.	In.	F.°	F.°	F.°				Hr.		
Greenwich (Royal Obs.) ...	63	81	70	53	52	-	o.b.c	b.c	b.c.o	5.8	Dublin to 4 p.m.	-	66	52	49	b.m	b.m	b.m	12.5
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	7.4	Plymouth to 9 p.m.	-	74	55	46	b	b	b.c	6.1
Westminster (St. James's Pk.)	66	87	69	54	54	-	b.c	b.c	o	7.4	Darwen	-	66	45	41	g.c.w	g.c.b	b.c	0.1
Camden Sq. (Brit. Rainfall)	59	86	73	53	54	-	o.b.c	b.c.b	b.b.c.o	7.3	Manchester "	-	*	*	*	*	*	*	0.1
Hampstead (Reservoir) ...	*	92	66	51	48	-	b.c	o.p	o	7.7	Birmingham "	-	59	53	47	o	o	o.c	0.1
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.								Oxford to 8 p.m.	*	*	*	*	*	*	0.1	
			Total.		Mean Rate.		Max. Rate.												
S. Kensington (Roof of M.O.)	68	84	1076	Joules.	190	Milliwatts.	80	Milliwatts.	6.0	S. Kensington (Museum Grounds to 6 p.m.)	-	63	53	47	c.u	c.o.c	c.b.c.		

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

26th & 27th July 1913.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth	...	4.4	11.59	7.53
	...	4.5	11.59	7.52
Greenwich	...	4.16	12.6	7.56
	...	4.17	12.6	7.55
Wick	...	3.51	12.15	6.45
	...	3.33	12.15	6.43
Valencia	...	4.55	12.17	8.40
	...	4.56	12.17	8.39

During yesterday temperature reached 75° at Weymouth, and 74° at Valencia, but in some parts of Eastern Britain it failed to touch 60°, the which maximum being as low as 51°. The bright sunshine records were very erratic, even at neighbouring stations. Some stations had none, many exceeded 12 hours, and Stornoway had more than 14 hours. As far west as the 22nd meridian ships experienced light variable to b. breezes, and fine to dull weather, with local mist.

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 wrapping.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Sunday,
27th July 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 82° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Direc.	At 82° Fahr. and M.S.L. Lat. 45°.				Change since 4 a.m.	Dry Bulb.	Change since Yesterday.	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.		
		In.	F.				In.	In.	F.							In.	F.	F.	bc	b	b.c.o	Hours		
BRITISH ISLANDS.	Lerwick	30.20	55	NNE	2	b	30.30	50	-2	NNW	1	o	o	1	66	47	bc	b	b.c.o					
	Stornoway	30.27	60	SE	1	b	30.34	+0.03	53	-5	MNE	1	o	1	66	48	b	b	b.c.o	11.5				
	Castlebay (Barra Isd.)	30.27	59	WNW	2	bm	30.33	+0.01	55	-3	NW	3	o	2	63	53	bm.b	bm	bm.o	13.8				
	Glasgow	30.26	65	NE	2	b	30.32	+0.01	50	o	-	o	m	*	69	49	bc.b	b	bm	13.9				
	Malin Head	30.26	61	ENE	2	by	30.34	+0.02	54	-3	N	3	cy	2	63	53	bm	bm	cm	*				
	Blacksod Point	30.24	66	NNW	3	b	30.32	+0.02	59	-1	NNE	4	cm	3	Trace	69	55	bm	bm	f	*			
	Valencia	30.22	67	NW	1	b	30.28	+0.01	56	o	-	o	by	2	69	51	bm	by	bcg	13.6				
	Roche's Point	30.23	64	S	2	b	30.29	o	55	o	N	1	b	1	0.02	65	53	by	by	bm.o	*			
	Birr Castle	30.20	73	NE	1	b	30.29	o	49	-1	NE	1	m	*	73	44	e	bc	f	8.6				
	Donaghadee	30.25	63	NE	1	by	30.31	+0.03	57	+2	NW	1	by	1	64	54	by	by	by	*				
	Liverpool Obsy.	30.21	65	N	1	b	30.29	+0.02	51	-4	ESE	3	b	2	69	50	bm	bm	bm	9.5				
	Holyhead	30.23	63	ENE	2	bm	30.26	+0.01	58	o	N	1	bm	o	68	56	bc.bm	bm	b.c.o	13.1				
	Pembroke (St. Ann's Hd.)	30.20	64	N	1	b	30.25	+0.02	58	+4	ESE	1	cm	1	65	54	bm	bm	b	11.4				
	Newquay	30.17	65	SE	1	b	30.23	+0.02	63	+4	-	o	by	1	67	48	by	by	b	12.6				
	Scilly (St. Mary's)	30.17	62	E	2	bm	30.22	+0.02	60	o	NE	1	cm	2	65	55	bm	bm	bm	7.6				
	Jersey (St. Aubin)	30.14	66	NE	4	bc	30.21	o	61	o	NE	4	bm	4	68	58	cm	bc	bm	9.8				
	Portland Bill	30.19	62	E	2	c	30.26	+0.03	58	+1	NE	4	o	3	67	55	c.bc	bc.c	c.o	*				
	Dungeness	30.17	60	NE	4	o	30.21	+0.02	59	+1	NE	5	o	4	61	57	c.o	o	c.o	*				
	Dover	30.18	57	N	3	o	30.24	o	57	o	N	4	o	6	Trace	60	56	op.o	oe	odr.o	0.3			
	ICELAND, FAEROE, &c.	Wick	30.31	52	ESE	2	bc	30.29	+0.02	51	-1	S	2	f	3	55	50	o.c.o	op.bc	comf	*			
Nairn		30.28	56	NE	2	b	30.29	o	50	-2	-	o	m	o	60	44	b	b	bm	1.0				
Aberdeen		30.31	55	E	2	b	30.31	+0.01	55	+3	SE	1	c	2	60	51	od	o.c.b	bc.o	3.9				
Leith		30.29	57	NE	3	b	30.31	+0.02	50	-2	SSE	1	cm	1	60	48	c.bc.b	b	b	*				
North Shields		30.30	53	NNE	2	o	30.33	o	51	-1	-	o	3	57	50	o	c	o	0.9					
Spurn Head		30.25	54	NNE	4	o	30.30	+0.03	53	-1	N	2	o	3	57	51	o	of	o	0.3				
Yarmouth		30.22	57	N	2	c	30.28	o	55	o	N	2	c	1	60	54	c	c	c	0.0				
Clacton-on-Sea		30.19	59	NNE	2	o	30.28	+0.02	54	-1	NNE	2	o	2	64	54	og	og	ogme	0.0				
Nottingham		30.23	63	ENE	3	b	30.31	o	51	-1	NNE	2	o	1	70	50	o.c.b	b	b	10.1				
Bath		30.19	69	E	1	b	30.29	o	53	-2	EHE	1	o	1	71	52	o.b	b	c.o	9.3				
London (Kew Obsy.)	30.20	64	N	1	og	30.30	+0.02	53	-2	NNE	2	one	1	65	52	of.o	o.c.og	og.me	1.8					
SCANDINAVIA.	Spitzbergen	29.87	44	WNW	6	o	29.79	-0.04	39	o	SW	6	o	1	41	34								
	Isafjord	30.12	49	-	2	c	30.00	-0.02	50	-4	S	3	o	1	41	34								
	Reykjavik	30.23	56	E	1	o	30.03	-0.05	50	-2	S	3	o	1	41	34								
	Vestmanna	30.20	52	W	1	c	30.13	-0.03	48	-2	-	o	o	1	41	34								
	Seydisfjord	30.12	65	E	4	bc	30.02	-0.04	52	+3	-	o	c	1	41	34								
	Thorshavn	30.30	54	WSW	2	o	30.24	-0.02	52	o	SSW	1	o	1	41	34								
	Haparanda	30.29	47	NW	6	bc	30.15	+0.02	52	+1	NE	4	c	1	59	37								
	Hernösand	30.13	61	-	o	b	30.21	o	59	-2	-	o	bc	1	61	50								
	Stockholm	30.14	61	SE	2	bc	30.16	+0.01	66	+1	NW	2	b	1	73	54								
	Wisby	30.19	58	NE	2	b	30.18	+0.01	64	+1	-	o	b	1	68	54								
GERMANY, &c.	Karlstad	30.14	66	-	o	b	30.19	+0.02	63	+4	NNE	4	b	1	77	54								
	Fæder (X'Islands Fjord)	30.17	68	SW	3	b	30.19	+0.01	67	+4	NE	2	b	1	68	63								
	Bodö	30.27	50	W	2	c	30.18	-0.02	49	o	E	2	c	2	50	43								
	Christiansund	30.26	55	NE	1	b	30.17	-0.01	57	+5	-	o	bc	2	59	50								
	Skudesnaes	30.23	62	-	o	b	30.26	o	54	-7	WSW	4	f	2	63	54								
	The Scaw (Skagen)	30.19	63	NNW	1	b	30.22	+0.01	66	+1	W	2	b	o	72	55								
	Blaavands Huk	30.19	62	SSE	1	b	30.26	+0.01	70	o	SE	1	b	1	73	46								
	Cuxhaven	30.13	67	NE	3	b	30.21	+0.02	63	-2	E	2	b	o	70	61								
	The Helder	30.19	59	N	3	o	30.26	+0.04	57	-3	NNE	3	o	2	64	55								
	Brussels	30.15	60	NW	1	r	30.19	+0.02	60	+1	NW	2	r	1	73	56								
FRANCE.	Berlin	30.09	71	E	1	c	30.20	+0.04	66	+7	NE	3	b	1	71	59								
	Frankfurt	30.11	61	NE	2	b	30.16	+0.03	63	+2	NNE	2	b	1	75	55								
	Munich	30.04	61	NE	1	b	30.15	+0.01	60	+1	SE	2	bc	1	70	50								
	C. Gris Nez	30.17	71	NE	5	o	30.22	+0.03	58	o	NE	5	o	4	64	55								
	La Hève	30.15	61	NE	3	bc	30.05	o	59	+2	NE	2	m	2	72	55								
	Brest (St. Mathieu)	30.11	71	NE	4	c	30.21	+0.03	51	-11	NE	3	o	2	84	57								
	Lorient (Rec. Malen)	29.93	72	NE	3	o	30.08	o	61	-1	E	3	o	2	84	55								
	Rochefort (Ile d'Als)	29.99	70	WSW	3	b	30.07	+0.02	68	+3	E	3	bc	1	82	64								
	Biarritz	29.97	70	N	3	b	30.08	+0.03	68	+2	-	o	b	o	75	63								
	Paris	30.08	70	N	3	b	30.17	+0.03	61	-2	NE	2	bc	1	75	57								
SPAIN, PORTUGAL, &c.	Belfort	30.11	72	W	2	b	30.16	o	62	+4	E	2	m	1	77	58								
	Lyons	30.00	74	NNE	1	b	30.12	o	64	+3	NNW	1	b	1	82	59								
	Nice	30.04	70	-	o	b	30.08	+0.02	73	+4	-	o	b	o	82	59								
	Perpignan	30.00	70	E	1	c	30.11	+0.04	70	+5	-	o	o	1	78	62								
	Sanguinaire	30.00	70	-	o	c	30.11	+0.04	70	+5	-	o	o	1	78	62								
	Corunna (S.a.m.)	30.05	64	WNW	1	b	30.08	+0.04	56	-3	WNW	1	f	2	66	50								
	Lisbon (S.a.m.)	30.04	68	WNW	3	o	30.04	+0.02	70	+2	-	o	b	2	75	64								
	Gibraltar	30.04	68	WNW	3																			

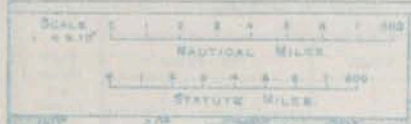
GALES.
Duration and Extreme Force
on British Coast.

Thunderstorm yday.
Lightning Evening

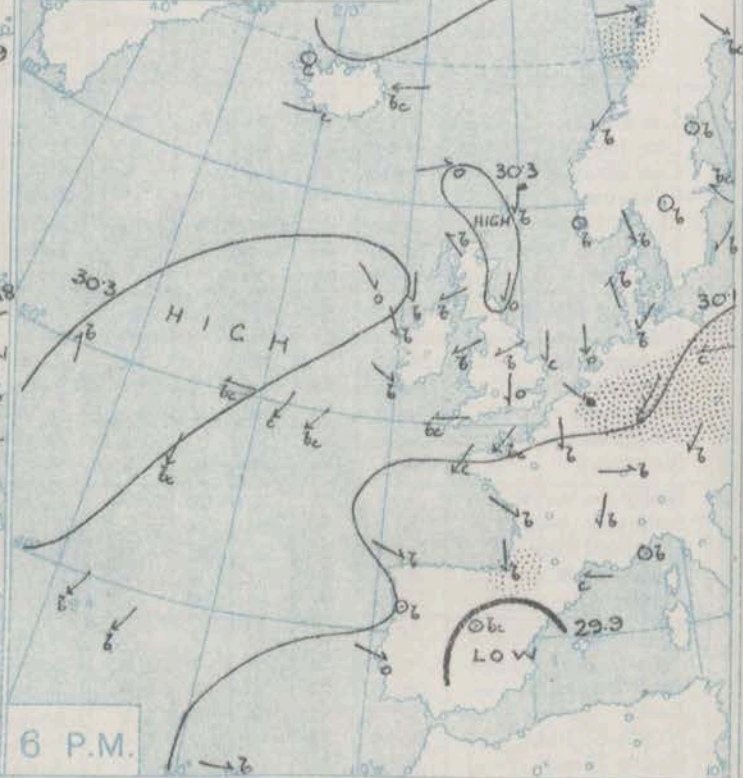
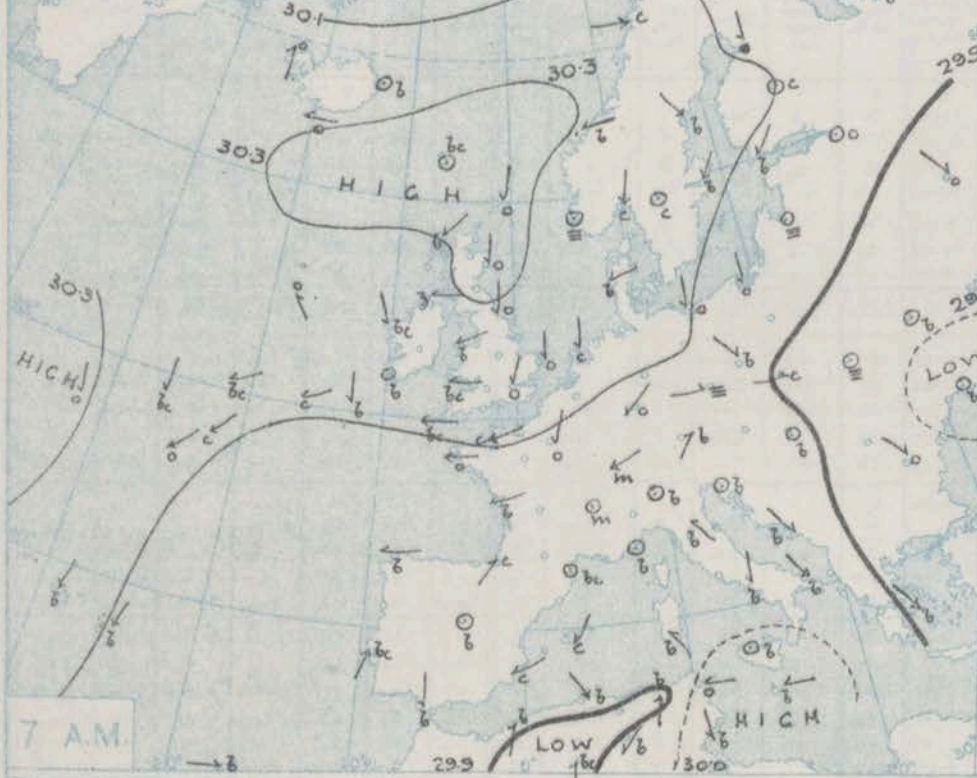
* Information for these columns not usually received.

† Received too late for insertion in Charts.

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



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
1
2
3
4
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.

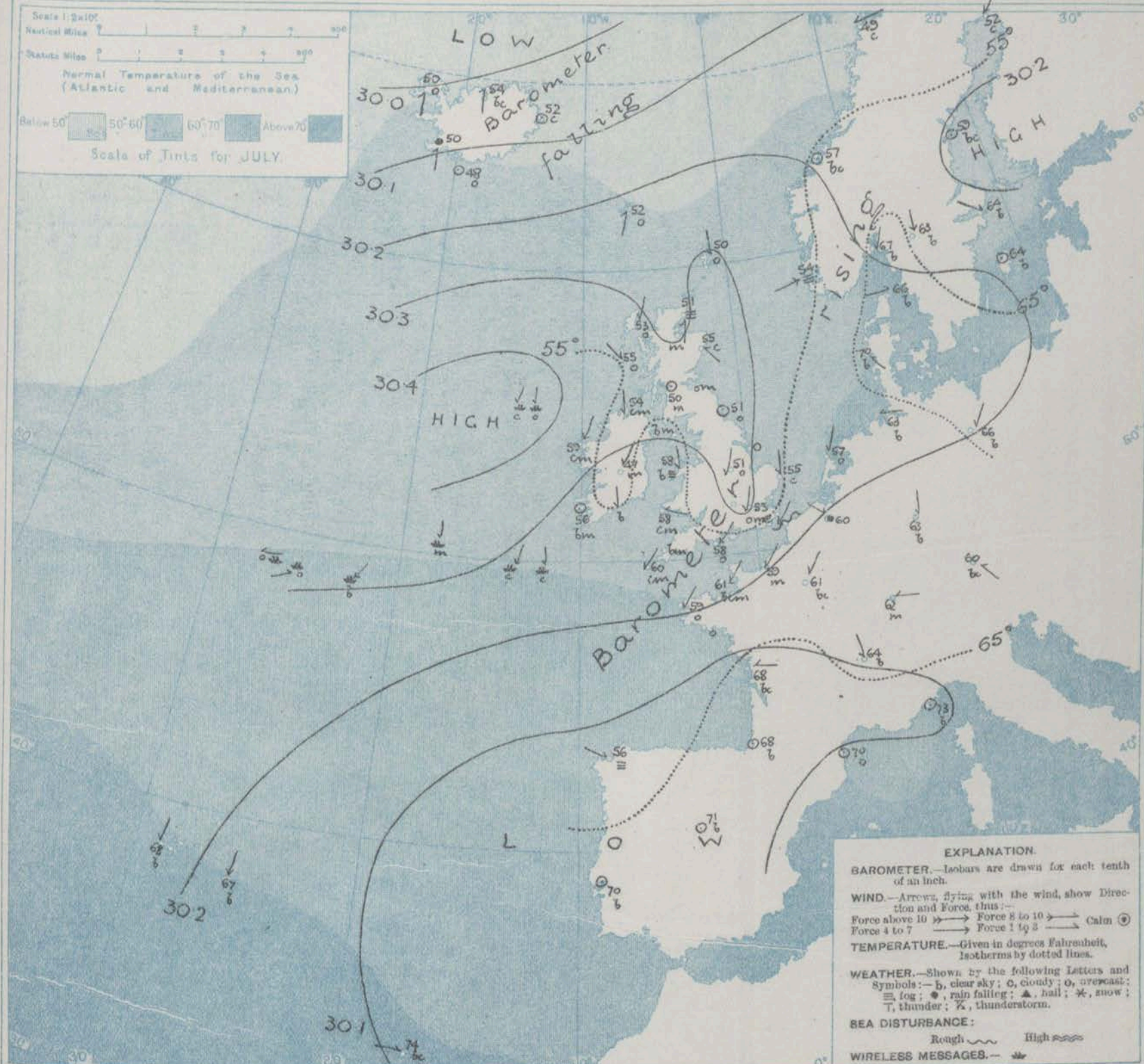
6
7
8
9
10

- None Issued -

11 WESTERN CHANNEL AND BAY.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. SUNDAY, 27th JULY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

A large anticyclone extends over North Western Europe from the Central portions of the North Atlantic, the highest pressures, 30.4 in. and upwards being found in about Lat. 55° N Long. 15° W. The barometer is lowest 29.8 in. and less over Spitzbergen, but a large area of relatively low readings exists over Southern France, Spain and the neighbouring oceanic regions.

The wind is light to moderate from between North and East over England, Ireland and the western portion of the Continent, but is southerly in the East of Scotland and also in Iceland and the Faeroe. Temperature has fallen slightly in most parts of the United Kingdom,

but risen elsewhere. In the South West of England, the thermometer is a little above 60°, but at many of our northern and central stations it barely exceeds 50° and in Central Ireland it is below that level. Readings of 65° and upwards are reported at many of the Continental stations the highest being 70° at Bleiswende Strk. The weather is fair or fine over Western Europe as a whole, but dull in Eastern and Central England and the neighbouring portions of the Continent, with rain at Brussels. Mist or fog prevails on several parts of our own western and northern coasts. The sea is slight or smooth generally, but rough in the Straits of Dover.

DAILY WEATHER REPORT.

Sunday, 27th July 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.	
27th 7 a.m.	48	29	Merion	O	30.30	+0.2	WSW	1-3	O	26th 6 p.m.	52	17	Assania	O	30.32	+0.3	?	?	O
"	55	13	Meridian	O	30.46	+0.5	N	1-3	O	"	49	17	Meridian	H	30.22	+0.2	NE	6-7	O
"	55	13	Caledonia	O	30.56	+0.5	NNE	1-3	O	"	56	12	Empress of Britain	O	30.31	+0.2	NW	1-3	O
"	49	12	Meridian	H	30.29	0.0	N.	1-3	O	"	55	9	Meridian	O	30.31	-0.1	N	1-3	O
26th 6 p.m.	56	36	Olympic	O	30.31	-0.5	SSE	1-3	O	"	48	31	Olympic	O	30.33	+0.5	NNW	1-3	O
"	47	26	Merion	O	30.28	0.0	NNE	4-5	O	"	49	25	Merion	O	30.22	-0.1	N	1-3	O
"	50	22	Assania	H	30.34	0.0	E	1-3	O	"	48	21	Meridian	H	30.21	+0.1	NE	4-5	O
"	49	19	Meridian	H	30.26	-0.4	NE	4-5	O	"	54	18	Columbia	H	30.20	+0.2	SE	1-3	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.	F.	F.	bc	bc	12.5	{ Margate ...	In.	F.	F.	o	o	0.0
{ Stonehaven ...		67	50				{ Ramsgate ...		66	56			0.0
{ Carnoustie ...		59	43			5.2	{ Folkestone ...		58	55			0.0
{ St. Andrews ...							{ Hythe ...		60	55	o.c.o	o	0.2
England, N.E. { Harrogate ...		64	47	b.bc.b	b	10.7	{ Littlestone ...						0.0
{ Scarborough ...							{ Hastings ...	0.03	61	54	o.c.o	o	0.3
England, N.W. { Douglas ...		69	53	b	b	12.5	{ Bexhill-on-Sea ...	0.04	62	58	o.c	o.c	1.4
{ Blackpool ...		71	48	b	b	13.0	{ Eastbourne ...		63	53	o.bc	bc.g	0.1
{ Southport ...		72	?	b	b	12.5	{ Seaford ...		66	51	b.bc.c	c.o	0.1
Midlands { Buxton ...		68	48	b	b.bc	12.1	{ Brighton ...		63	54	b.c	c.o	1.2
{ Leamington Spa ...		70	51	ab	b	6.3	{ Worthing ...		65	54	b.c	bc.o	1.6
{ Malvern ...							{ Littlehampton ...						2.1
Wales { Rhyl ...		71	48	b	b	10.3	{ Southsea ...		66	56	o.c.b	bc	3.3
{ Colwyn Bay ...		67	49	b	b	13.0	{ Ryde ...		66	62	bc	bc.o	3.5
{ Llandudno ...		68	53	b	b	13.7	{ Ventnor ...						
{ Bettws-y-Coed ...							{ Bournemouth ...		69	52	abc	bc.o	5.3
{ Aberystwyth ...		69	52	c.b	b.by	13.0	{ Weymouth ...		72	54	b.bc	c.by	5.1
England, E. { Lowestoft ...							{ Exmouth ...						
{ Felixstowe ...		62	53	mo	om	0.0	{ Teignmouth ...						8.2
{ Walton-on-Naze ...		60	53	om.o	by	0.0	{ Torquay ...		67	54	bc	b	7.7
{ Southend-on-Sea ...		64	55	o	o	0.0	{ Paignton ...		65	54	bc.b	b	5.7
							{ Falmouth ...		64	53	o.b	b.bc	
							{ Bude ...						12.0
							{ Ilfracombe ...		70	53	b	b	
							{ 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.	Night.				In Screen.	Night Min. on Grass.	Night.	Forenoon.	Afternoon.	
Greenwich (Royal Obs.) ...	77	94	66	52	53	o	o	o	1.0	Dublin to 4 p.m.		69	52	50	bc.o	om.b	b
City (Banhill Row) ...									0.0	Plymouth to 9 p.m.		71	56	52	b	by	bc
Westminster (St. James's Pk.)	76	95	65	54	53	bc.c	o	bc.c	0.3	Darwen		71	47	45	bc.o	bc	bc
Camden Sq. (Brit. Rainfall)	73	92	68	53	54	o	o.c	o	1.2	Manchester							
Hampstead (Reservoir)		95	63	50	49	c.o	om.c	om.c	0.6	Birmingham		69	50	49	mo	b	8.1
Kew. (See front page.)										Oxford to 8 p.m.		71	52	51	b.o	og	c.b
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.										S. Kensington (Museum Grounds to 6 p.m.)							
Total.																	
Mean Rate.																	
Max. Rate.																	
S. Kensington (Roof of M.O.)																	
74																	
836 Joules.																	
15.7 Milliunits.																	
60 Milliunits.																	
0.3																	

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

	27th July 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T.	G.M.T.	G.M.T.	
	4.5	11.59	7.52	
	4.6	11.59	7.51	
Greenwich	4.17	12.6	7.55	
	4.18	12.6	7.54	
Wick	3.53	12.12	8.43	
	3.55	12.12	8.41	
Valencia	4.56	12.47	8.39	
	4.57	12.47	8.38	

NOTES ON YESTERDAY'S WEATHER.

In the east and south-east of England where little or no bright sunshine was recorded, the thermometer failed to reach 65°, and at many coast stations it did not touch 60°. In the west and north parts of the United Kingdom the duration of sunshine was large (more than 13 hours in several places) and shade maxima of 70° and upwards were recorded locally; the highest reading reported being 73° at Birr Castle. Wireless reports show that between the Irish Coast and the 25th meridian the wind was light to moderate between N. and E., but that further westward it was rather variable. The weather was mostly fair, but cloudy 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.

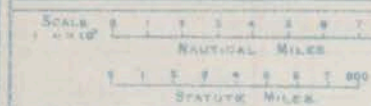
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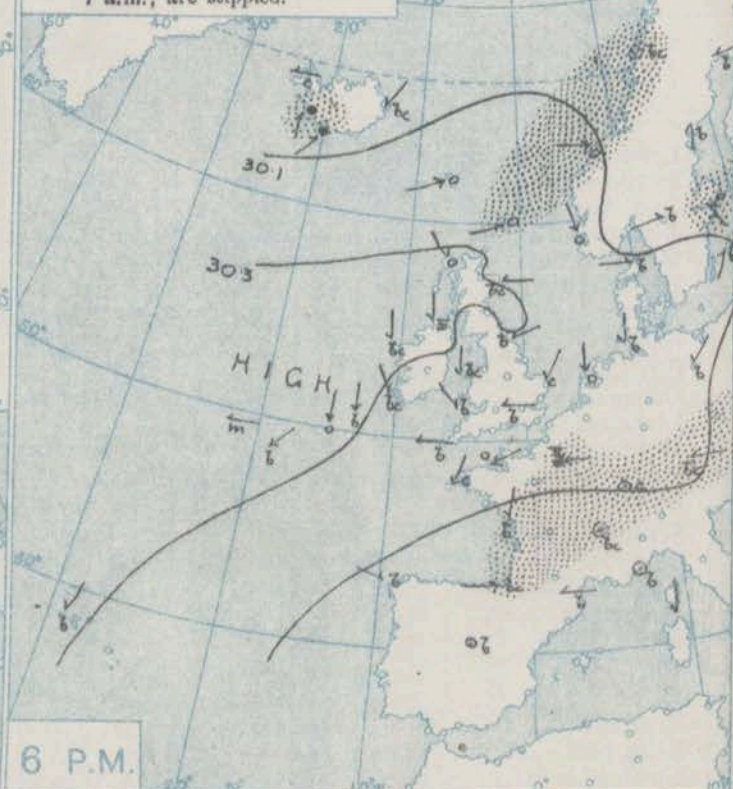
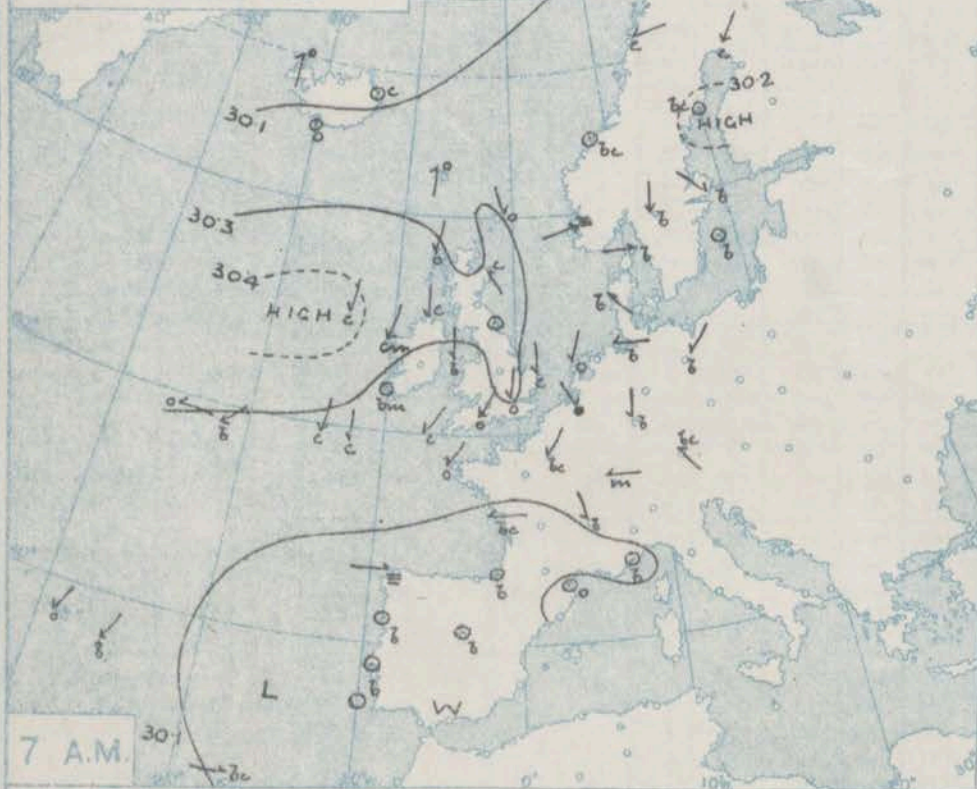
Monday,
28th July, 1913.

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.	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.
		In.	F.				In.	In.	F.							In.	F.	F.				Hours		
Lerwick		30.27	54	WSW	2	0	30.12	-0.03	55	+5	WSW	3	0	2	0.01	55	50	0	0	0	0	0		
Sornoway		30.34	58	NNW	2	0	30.30	0.00	56	+3	W	4	0	3	-	61	53	0	0	0	0	0.4		
Castlebay (Barra Isd.)		30.35	58	NW	2	0	30.33	0.00	56	+1	W	2	0	1	-	60	54	0	0	0	0	3.3		
Glasgow		30.26	68	WNW	3	bc	30.30	0.00	52	+2	NE	1	0	0	-	73	49	no bc	bc	bc	bc	3.4		
Malin Head		30.35	58	N	2	0	30.33	+0.01	55	+1	N	2	cm	1	-	61	54	cm	f	cm	cm	0		
Blackod Point		30.34	62	N	3	bc	30.35	-0.01	57	-2	NNE	2	c	2	trace	64	54	cm	f	cm	cm	0		
Valencia		30.27	70	NNW	2	bc	30.28	0.00	61	+5	-	0	bc	2	-	73	56	bc	bc	bc	bc	12.9		
Roche's Point		30.28	67	S	2	0	30.29	-	58	+3	N	2	0	1	trace	69	54	bc	bc	bc	bc	0		
Birr Castle		30.25	75	N	1	bc	30.30	-	56	+7	NE	2	c	0	-	76	44	b	b, bc	b	b	11.5		
Donaghadee		30.30	59	NNW	3	bc	30.31	0.00	55	-2	NNW	3	c	3	-	61	50	bc	bc	bc	bc	0		
Liverpool Obsy.		30.26	63	NW	2	0	30.27	0.00	57	+6	WNW	2	0	1	-	70	51	bc	bc	bc	bc	11.6		
Holyhead		30.28	62	N	2	bc	30.29	0.00	55	-3	N	4	bc	3	-	67	54	bc	bc	bc	bc	13.3		
Pembroke (St. Ann's Hd.)		30.25	60	NW	2	0	30.24	0.00	57	-1	NE	2	f	1	trace	62	53	cm	bc	bc	bc	10.6		
Newquay		30.22	62	NW	1	bc	30.22	0.00	59	-4	-	0	f	1	-	67	46	bc	bc	bc	bc	11.5		
Scilly (St. Mary's)		30.23	65	E	1	0	30.21	0.00	61	+1	-	0	bc	2	-	69	56	bc	bc	bc	bc	12.8		
Jersey (St. Aubin)		30.21	65	ESE	4	bc	30.21	-	59	-2	E	3	bc	3	-	75	58	cm	cm	cm	cm	6.7		
Portland Bill		30.23	61	ESE	1	0	30.22	0.00	55	-3	E	3	0	3	-	63	54	c	bc	bc	bc	0		
Dungeness		30.21	61	NE	3	0	30.21	-0.02	57	-2	NE	4	0	3	-	62	56	0	0	0	0	0		
Dover		30.23	58	N	4	0	30.24	-	55	-2	N	3	m	6	-	60	54	0	0	0	0	0.0		
Wick		30.31	54	NW	4	0	30.25	-0.02	54	+3	W	3	0	3	trace	57	50	f	bc	bc	bc	0		
Nairn		30.30	57	ESE	1	0	30.28	-	55	+5	W	1	0	1	-	66	48	bc	bc	bc	bc	7.6		
Aberdeen		30.30	53	ESE	2	bc	30.27	0.00	56	+1	WNW	1	0	2	-	65	54	c	bc	bc	bc	10.2		
Leith		30.25	60	ESE	1	0	30.27	+0.01	54	+4	E	1	0	0	-	61	49	0	0	0	0	0		
North Shields		30.30	55	ESE	2	0	30.29	-0.01	51	0	NNE	1	0	3	-	57	50	c	bc	bc	bc	10.2		
Spurn Head		30.28	55	E	2	0	30.26	0.00	53	0	SW	1	cm	1	trace	59	49	bc	bc	bc	bc	5.5		
Yarmouth		30.28	56	NE	2	0	30.26	0.00	54	-1	N	2	bc	1	-	60	52	c	c	c	c	0.0		
Clacton-on-Sea		30.25	61	NE	3	0	30.24	0.00	52	-2	N	1	m	1	-	62	52	bc	bc	bc	bc	0.5		
Nottingham		30.25	68	ESE	2	0	30.26	-	51	0	SW	1	bc	0	-	70	46	bc	bc	bc	bc	7.9		
Bath		30.24	67	E	1	0	30.26	-	55	+2	E	-	0	0	-	68	48	0	0	0	0	4.4		
London (Kew Obsy.)		30.25	63	E	2	0	30.25	0.00	56	+3	NE	2	cm	0	-	64	52	cm	bc	bc	bc	1.8		
Spitzbergen		29.70	40	SW	4	0	29.65	-0.01	40	+1	NW	3	c	0	-	41	36	-	-	-	-	-		
Isafjord		29.95	51	E	3	0	29.84	+0.01	53	+3	-	0	0	0	-	-	-	-	-	-	-	-		
Reykjavik		30.00	52	S	3	0	29.89	+0.01	52	+2	E	1	0	0	-	-	-	-	-	-	-	-		
Vestmanna		30.06	51	SW	1	0	29.96	-0.01	50	+2	-	0	0	0	-	-	-	-	-	-	-	-		
Seydisfjord		29.99	61	NE	3	bc	29.87	-0.05	51	-1	-	0	c	0	-	-	-	-	-	-	-	-		
Thorshavn		30.19	54	WSW	6	0	30.06	-0.01	53	+1	W	4	m	0	-	-	-	-	-	-	-	-		
Haparanda		30.07	54	E	2	0	29.93	-0.08	56	+4	SE	2	0	0	-	63	39	-	-	-	-	-		
Hernösand		30.04	59	S	2	0	29.86	-0.03	59	0	SE	4	c	0	-	66	57	-	-	-	-	-		
Stockholm		30.07	59	SE	2	0	29.80	-0.08	63	-1	SSW	2	c	0	0.04	72	55	-	-	-	-	-		
Wisby		30.10	61	SSW	2	0	29.89	-0.05	65	+1	WSW	4	c	0	-	68	54	-	-	-	-	-		
Karlstad		30.03	67	WSW	2	0	29.80	-0.06	64	+1	WSW	2	0	0	-	75	59	-	-	-	-	-		
Færder (X'lantia Fjord)		30.01	66	SW	6	0	29.83	-0.02	64	-3	NW	2	0	3	-	68	59	-	-	-	-	-		
Bodö		30.06	53	-	0	bc	29.82	-0.04	54	+5	-	0	c	1	0.04	54	49	-	-	-	-	-		
Christiansund		30.13	51	W	4	0	29.86	-0.11	51	-6	SW	1	t	2	0.12	57	50	-	-	-	-	-		
Skudesnaes		30.24	54	NNW	4	0	30.08	-0.02	54	0	NNE	4	0	1	-	59	50	-	-	-	-	-		
The Scaw (Skagen)		30.12	58	W	3	0	29.91	-0.05	60	-6	WSW	6	bc	2	-	72	55	-	-	-	-	-		
Blaavands Huk		30.25	62	NNW	2	0	30.13	-0.04	57	-13	NW	3	0	2	-	72	55	-	-	-	-	-		
Cuxhaven		30.15	67	N	2	0	30.13	-0.01	61	-2	N	3	0	0	-	70	59	-	-	-	-	-		
The Helder		30.24	59	N	4	0	30.22	+0.01	56	-1	N	2	0	1	-	63	53	-	-	-	-	-		
Brussels		30.16	72	NE	2	0	30.11	-0.03	69	+3	SE	1	0	0	-	79	59	-	-	-	-	-		
Berlin		30.16	72	NE	2	0	30.11	-0.03	69	+3	SE	1	0	0	-	79	59	-	-	-	-	-		
Frankfurt		30.16	72	NE	2	0	30.11	-0.03	69	+3	SE	1	0	0	-	79	59	-	-	-	-	-		
Munich		30.12	64	E	2	bc	30.12	-0.01	60	0	NE	2	0	0	0.12	73	52	-	-	-	-	-		
C. Gris Nez		30.20	58	NE	5	0	30.19	+0.01	57	+2	NE	5	m	3	-	61	55	-	-	-	-	-		
La Hève		30.17</																						

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



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.

The distribution of pressure will continue anticyclonic over the United Kingdom, but the arrival of a large depression over Scandinavia will cause the wind direction

to become North Westerly on our northern coasts and over the North Sea region.

FORECASTS FOR THE 24 HOURS NOON MONDAY

TO NOON TUESDAY.

0 { Wind between West and North-West; freshening; cloudy to overcast; some rain locally; rather cool.

1 { Wind light or moderate between North-West and North; mostly fair, a good deal of cloud; temperature rather low.

2 { Wind light, mainly between North and East; fair generally; temperature rising somewhat.

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 { Light winds between North and North-West; fair; temperature about the normal.

7 { Wind from some Northerly point, light; fair generally; temperature rather high during day.

8 { Wind from some Northerly point, light; fair generally; temperature rather high during day.

9 { Wind from some Northerly point, light; fair generally; temperature rather high during day.

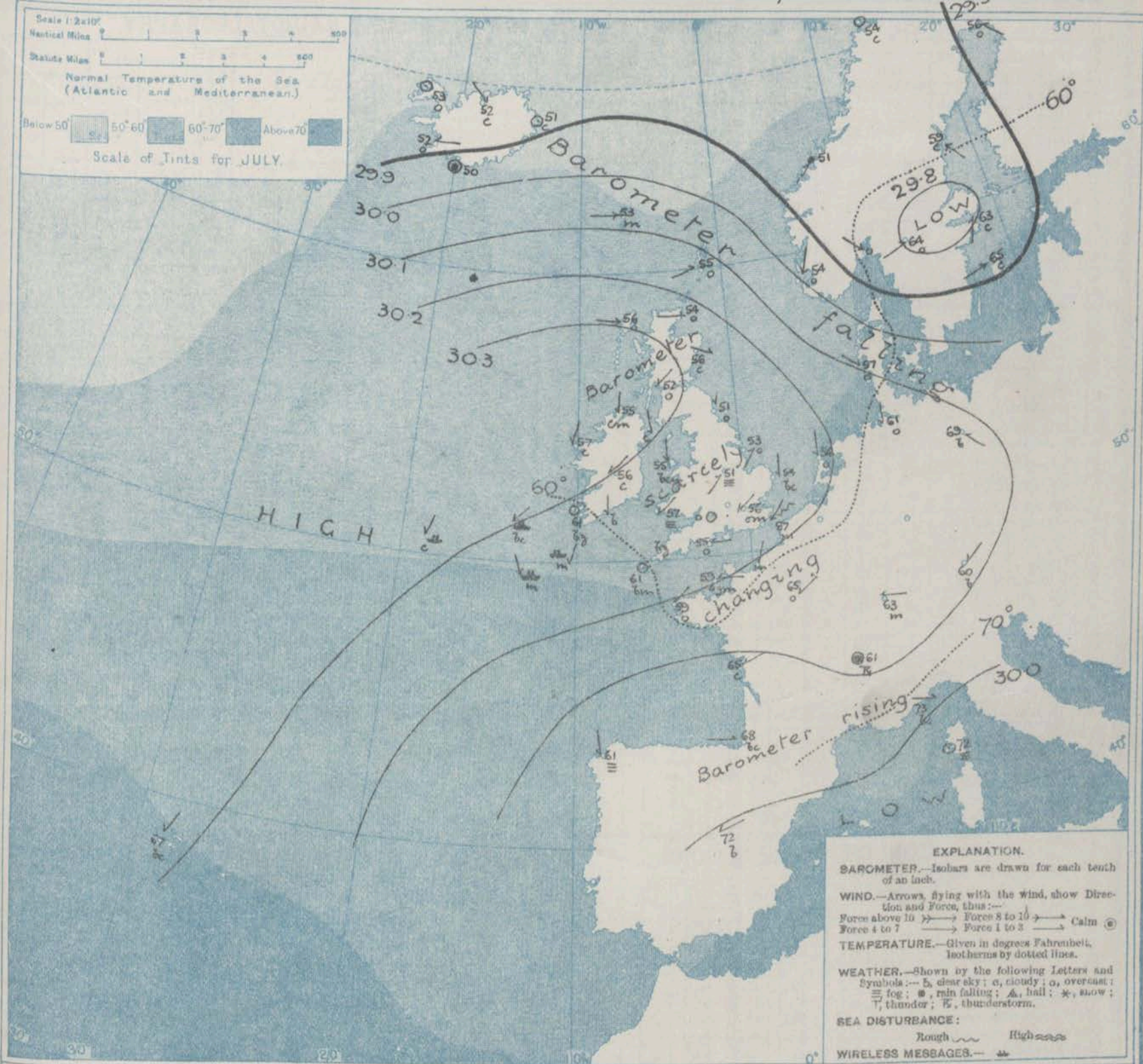
10 { Wind from some Northerly point, light; fair generally; temperature rather high during day.

11 WESTERN CHANNEL AND BAY. North Easterly or Easterly winds, light; sea slight or smooth; fair to bright.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. MONDAY, 28TH

JULY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The barometer is above 30.3 in. in an anticyclone extending from the Atlantic and covering the Hebrides, the West of Scotland and the greater part of Ireland, but in a depression which has appeared over Scandinavia during the night the readings are as low as 29.8 in. at Karlstad and Stockholm.

The wind is light from the Westward in the north of Scotland, light from some Northerly point over the North Sea, and light from between East and North in the west and south of these islands and over France. A strong breeze from the South West prevails at the Skaw. Temperature

has changed rather irregularly over these Islands fallen in most Continental regions. Over the United Kingdom it ranges from 61° at Scilly and Valencia to 51° at North Shields and Nottingham. Cloudy or overcast weather is reported in most regions, but the sky is clear in the south west of these islands and in several parts of France and Germany. Rain is falling in the south-west of Ireland and at Christiansund, and a thunderstorm is in progress at Lyons.

DAILY WEATHER REPORT.

Monday, 28th July, 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- utward. H- ome- ward.	BAROMETER.		WIND.		WEA- THER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- utward. H- ome- ward.	BAROMETER.		WIND.		WEA- THER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dirco.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dirco.	Force.	
28th Jan.	50	18	Carnegie	O	30.37	00	NNE	1-3	c	27th Gpm	51	11	Royal Edward	O	30.26	00	NNE	1-3	b
"	51	13	Mauritania	H	30.31	-03	NE	4-5	bc	"	49	10	Finland	H	30.31	00	NNE	4-5	m
"	49	12	Zealand	O	30.24	00	NNE	1-3	m	"	50	18	Ausonia	H	30.36	-01	N	4-5	m
"	49	12	Minneapolis	O	30.28	00	NNW	4-5	m	"	50	18	do	H	30.36	+02	N	1-3	m
"	50	10	Ausonia	H	30.26	00	NNE	1-3	m	"	49	14	Menominee	O	30.29	+06	NNE	4-5	m
27th Gpm	49	21	Mauritania	H	30.40	-01	E	1-3	m	"	48	26	Mauritania	O	30.36	-02	E	1-3	b
"	48	19	Manitou	H	30.32	00	NE	4-5	b	"	48	22	Manitou	H	30.29	00	NE	4-5	b
"	51	12	Carnegie	O	30.31	+02	N	4-5	b	"	49	14	Finland	H	30.30	+02	NNE	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.	Oban	...	...	...	...	...	...	England, S.E.-cont.	Folkestone	...	...	...	...	...	...
	Stonehaven	...	...	...	...	...	...		Hythe	...	...	...	...	...	...
	Carnoustie	...	...	...	...	...	...		Littlestone	...	...	...	...	...	...
	St. Andrews	...	...	...	...	...	...		Hastings	...	...	...	...	...	...
Eng. N.E.	Harrogate	...	...	...	...	...	...		Bexhill-on-Sea	...	...	...	...	...	...
	Scarborough	...	...	...	...	...	...		Eastbourne	...	...	...	...	...	...
England, N.W.	Douglas	...	...	...	...	...	...		Seaford	...	...	...	...	...	...
	Blackpool	...	...	...	...	...	...		Brighton	...	...	...	...	...	...
	Southport	...	...	...	...	...	...		Worthing	...	...	...	...	...	...
Mid-lands.	Buxton	...	...	...	...	...	...		Littlehampton	...	...	...	...	...	...
	Leamington Spa	...	...	...	...	...	...		Southsea	...	...	...	...	...	...
	Malvern	...	...	...	...	...	...		Ryde	...	...	...	...	...	...
Wales.	Rhyl	...	...	...	...	...	...	Ventnor	...	...	...	...	...	...
	Golwyn Bay	...	...	...	...	...	...	Bournemouth	...	...	...	...	...	...
	Llandudno	...	...	...	...	...	...		
	Bettws y-Coed	...	...	...	...	...	...		
England, E.	Aberystwyth	...	...	...	...	...	...		
	Lowestoft	...	...	...	...	...	...		
	Felixstowe	...	...	...	...	...	...		
	Walton-on-Naze	...	...	...	...	...	...		
	Southend-on-Sea	...	...	...	...	...	...		
Eng. S.E.	Margate	...	...	...	...	...	...		
	Ramsgate	...	...	...	...	...	...		

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.		Max.						Min.				
	24 HOURS ENDED 9 A.M. TO-DAY.																					
	%	%	F.	F.	F.	In.				Hr.		In.	F.	F.	F.				Hr.			
Greenwich (Royal Obs.) ...	83	90	63	54	54	-	0	0	0	0.2	Dublin to 4 p.m.	-	70	51	48	bm	b	b				
City (Bunhill Row) ...	84	90	65	55	55	-	0	0	0	0.9	Plymouth to 9 p.m.	-	72	51	46	by	b	by				
Westminster (St. James's Pk.)	84	78	66	54	53	-	0	0	0	0.6	Darwen	-	69	49	46	b	c	b	12.5			
Camden Sq. (Brit. Rainfall)	-	75	66	54	53	-	0	0	0	0.4	Manchester	-	72	51	46	by	b	by	9.5			
Hampstead (Reservoir) ...	-	73	61	51	46	-	0	0	0	1.0	Birmingham	-	69	49	46	b	c	b				
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.										Oxford to 8 p.m.									
			Total.			Mean Rate.		Max. Rate.														
S. Kensington (Roof of M.O.)	-	82	658 Joules.			11.7 Milliwatts.		30 Milliwatts.		0.3	S. Kensington (Museum Grounds to 6 p.m.)	-	64	53	52	og	og	og				

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

	28th & 29th July 1913.		
	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	4.6	11.59	7.51
	4.7	11.59	7.50
Greenwich	4.18	12.6	7.54
	4.20	12.6	7.52
Wick	3.55	12.18	8.44
	3.57	12.18	8.39
Valencia	4.57	12.47	8.28
	4.58	12.47	8.37

During yesterday temperature rose to 70° or a little higher at several places in the west of these Islands, touching 76° at Birr Castle. In the east and south-east the maxima were much lower. Many hours of bright sunshine were experienced except in the east and south-east of England and in the Hebrides, more than 12 hours at several stations. According to wireless reports light winds between North and East were experienced as far west as the 26th 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.

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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Tuesday,
29th July 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.	Direc.			Force (0 to 12).	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.
	In.	F.						In.	F.																	
BRITISH ISLANDS.																										
Lerwick	30.08	55	W	4	0	30.05	+0.1	55	0	WNW	2	c	2	0.03	56	52	om	and	and	Hours						
Stornoway	30.22	59	W	4	0	30.17	0.0	56	0	W	2	o	2	Trace	60	55	o	adp	o	0.0						
Castlebay (Barra Isd.)	30.28	56	W	3	0	30.18	0.0	57	+1	WNW	2	o	1	-	58	55	o	adp	o	0.0						
Glasgow	30.19	65	W	2	c	30.16	-0.1	52	0	E	1	bc	1	-	69	49	o	bc	bc	5.0						
Malin Head	30.28	58	NW	3	c	30.18	-0.3	56	+1	N	4	o	3	-	60	53	bc	c	gm	0						
Blacksod Point	30.30	59	N	3	c	30.19	-0.3	58	+1	N	2	o	2	Trace	61	55	bc	c	gm	0						
Valencia	30.21	68	NE	2	bc	30.14	0.0	58	-3	-	0	o	2	-	72	55	bc	bc	bc	9.4						
Roches Point	30.23	64	S	2	b	30.16	0.0	56	-2	NNE	1	f	1	0.02	67	53	bc	bc	bc	0						
Birr Castle	30.23	65	N	1	c	30.16	0.0	56	0	N	1	f	1	-	66	56	c	c	bc	1.5						
Donaghadee	30.24	58	NNW	3	c	30.15	-0.3	56	+1	NNW	3	bc	3	-	61	54	o	c	bc	0						
Liverpool Obsy.	30.21	60	WNW	3	b	30.14	-0.2	57	0	-	0	o	1	-	64	54	om	b	o	9.6						
Holyhead	30.22	59	N	3	c	30.12	-0.2	57	+2	N	3	c	2	-	62	55	bc	bc	bc	10.0						
Pembroke (St. Ann's Hd.)	30.18	61	NNE	3	b	30.11	-0.2	56	-1	NE	1	bc	1	-	69	53	f	b	b	10.5						
Newquay	30.17	65	NW	1	b	30.09	0.0	62	+3	-	0	bc	2	-	67	49	bc	bc	bc	12.3						
Scilly (St. Mary's)	30.17	66	-	0	bc	30.08	0.0	61	0	ESE	1	bc	2	-	69	57	bc	bc	bc	12.4						
Jersey (St. Aubin)	30.16	66	NE	3	b	30.10	0.0	60	+1	ESE	3	om	3	-	67	56	om	om	bc	2.9						
Portland Bill	30.18	59	ESE	1	bc	30.14	-0.1	58	+3	E	3	c	2	-	65	54	o	bc	bc	0						
Dungeness	30.17	60	NE	5	b	30.12	-0.1	59	+2	ESE	4	b	3	-	64	49	o	b	bc	0						
Dover	30.18	58	NE	2	b	30.15	0.0	56	+1	ESE	2	o	4	Trace	63	47	mo	c	bc	3.7						
Wick	30.17	57	W	3	a	30.13	0.0	57	+3	W	3	bc	2	Trace	60	53	og	o	bc	0						
Nairn	30.19	62	W	3	c	30.15	0.0	56	+1	WSW	1	o	1	-	67	46	gc	gc	bc	2.6						
Aberdeen	30.19	62	E	1	o	30.16	+0.1	57	+1	NW	2	c	2	-	67	49	o	c	bc	0.9						
Leith	30.18	65	ESE	1	o	30.14	-0.1	57	+3	W	1	bc	0	-	67	54	o	bc	b	0						
North Shields	30.22	56	E	2	b	30.16	0.0	50	-1	-	0	bc	2	-	58	49	om	bc	bc	5.1						
Spurn Head	30.20	55	E	3	bc	30.16	0.0	56	+3	-	0	bc	1	-	61	51	bc	bc	bc	8.8						
Yarmouth	30.21	57	NE	2	bc	30.15	-0.2	54	0	N	1	c	1	-	60	53	bc	bc	bc	11.9						
Clacton-on-Sea	30.18	59	ESE	3	b	30.15	-0.1	55	+3	ESE	2	o	2	-	62	50	om	bc	bc	8.7						
Nottingham	30.17	68	E	2	c	30.14	0.0	52	+1	E	1	om	0	-	75	48	bc	bc	bc	5.0						
Bath	30.15	78	E	1	b	30.14	0.0	53	-2	NNE	1	m	0	-	80	49	bc	bc	om	10.3						
London (Kew Obsy.)	30.16	73	NE	3	b	30.13	0.0	55	-1	E	1	om	0	-	75	53	om	bc	bc	10.4						
ICELAND, FAEROE, &c.																										
Spitzbergen	29.73	39	N	3	b	29.81	+0.2	62	+2	S	1	o	0	-	63	56										
Isafjord	29.81	59	SW	5	c	29.77	+0.1	51	-2	SW	6	c	0	-	63	56										
Reykjavik	29.93	55	W	3	o	29.89	-0.1	48	-4	-	0	o	0	-	63	56										
Vestmanna	29.95	51	W	2	f	29.93	-0.1	47	-3	W	1	o	1	-	63	56										
Seydisfjord	29.89	65	NE	1	bc	29.76	-0.1	59	+8	-	0	b	0	-	63	56										
Thorshavn	30.00	57	WSW	4	m	29.96	0.0	54	+1	W	3	m	0	-	63	56										
SCANDINAVIA.																										
Haparanda	29.85	68	-	0	o	29.84	+0.4	58	+2	E	2	bc	0	-	68	45										
Hernösand	29.61	58	NE	6	c	29.54	+0.8	60	+1	NW	4	b	0	0.24	63	52										
Stockholm	29.49	53	WSW	2	r	29.48	+0.7	60	-3	NE	6	o	0	0.24	63	52										
Wisby	29.54	59	W	6	o	29.44	-0.1	55	-10	NW	6	o	0	0.05	72	54										
Karlstad	29.63	57	NW	4	c	29.66	+1.0	57	-7	NNE	8	o	0	0.20	66	50										
Färder (X'laula Fjord)	29.70	64	NNE	4	c	29.79	+0.5	61	-3	NNE	8	b	3	-	66	52										
Bodö	29.78	54	-	0	b	29.89	+0.1	55	+1	S	1	c	1	-	55	50										
Christiansund	29.88	51	W	2	o	30.02	+0.3	52	+1	W	2	c	2	0.55	52	50										
Skudesnaes	29.99	53	N	6	c	29.98	0.0	54	0	N	6	b	2	-	54	48										
The Scaw (Skagen)	29.72	61	WNW	6	b	29.76	+0.3	61	+1	N	5	c	2	-	64	57										
Blaavands Huk	29.90	59	NW	7	o	29.91	+0.2	59	+2	NNW	7	o	5	-	59	55										
GERMANY, &c.																										
Cuxhaven	30.06	58	NNW	4	o	29.92	-0.2	60	-1	NNW	5	og	3	-	63	57										
The Helder	30.18	57	N	3	o	30.11	-0.1	59	+3	NW	4	o	2	-	59	55										
Brussels	30.14	61	NNW	3	b	30.14	0.0	53	-4	NNW	1	o	0	-	73	52										
Berlin	29.96	71	NW	4	o	29.84	-0.5	55	-14	W	4	o	0	Trace	81	55										
Frankfurt	30.06	66	NE	1	b	30.06	+0.1	61	0	S	1	b	0	-	81	55										
Munich	30.04	64	SW	3	bc	30.00	+0.1	64	+4	SW	4	b	0	-	73	55										
FRANCE.																										
C. Grs Nez	30.16	60	ESE	4	bc	30.13	-0.1	57	0	ESE	4	b	2	-	61	52										
La Hève	30.16	65	NE	2	m	30.11	0.0	57	-1	NE	3	m	2	-	73	54										
Brest (St. Mathieu)	30.12	70	NE	4	b	30.07	0.0	59	0	E	2	m	1	-	82	59										
Lorient (Roc Melen)	30.02	52	WNW	1	b	30.01	0.0	61	+1	NE	3	c	2	-	81	54										
Roche fort (Ile d'Als)	29.96	71	NNE	3	c	29.91	0.0	67	-1	S	2	b	0	-	77	64										
Biarritz	29.96	71	NNE	3	b	29.91	0.0	67	-1	S	2	b	0	-	77	64										
SPAIN, PORTUGAL, &c.																										
Paris	30.08	73	N	3	b	30.09	+0.2	61	-4	NNW	2	o	0	-	77	57										
Belfort	30.04	72	-	0	m	30.06	0.0	63	0	W	1	o	0	0.67	78	55										
Lyons	30.02	74	W	1	o	30.05	0.0	65	+4	-	0	b	0	-	82	59										
Nice	29.97	74	-	0	b	29.93	+0.1	76	+3	-	0	b	0	-	86	64										
Perpignan	29.96	77	NE	1	b	29.98	+0.1	73	+2	-	0	b	0	-	86	63										
Sanguinaire	29.91	71	N	2	f	29.91	0.0	73	+1	SW	1	m	0	-	86	63										
Corunna (S.a.m.)	30.00	65	NNW	3	b	29.97	+0.1	64	+3	W	1	o	2	-	66	59										
Lisbon (S.a.m.)	30.07	66	WSW	3	b	30.06	+0.1	67	0	S	1</															

GALES.

Duration and Extreme Force
on British Coasts.

Thunderstorm yesterday.

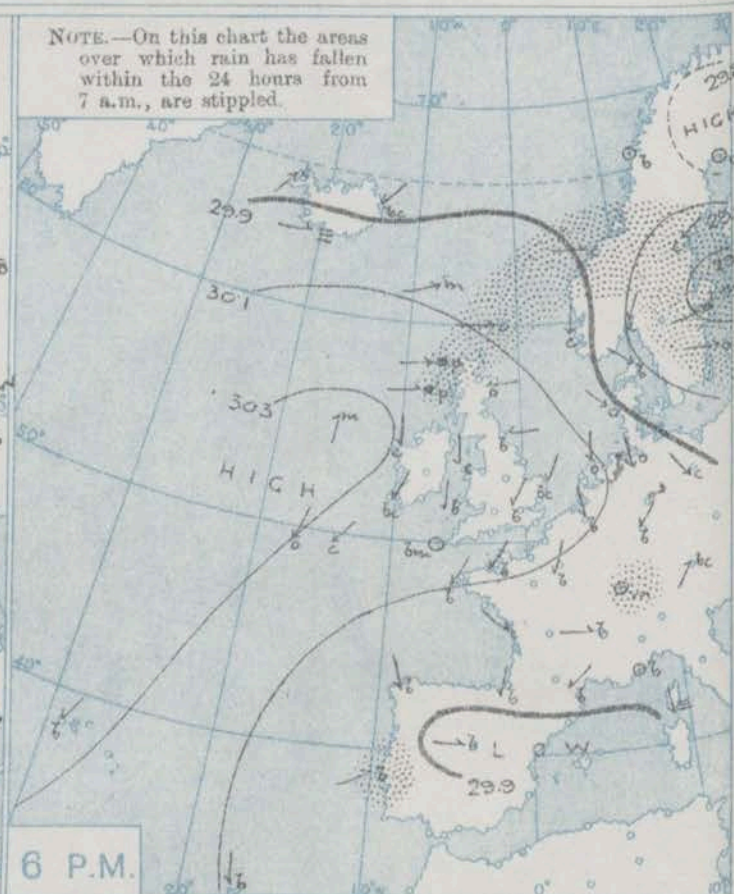
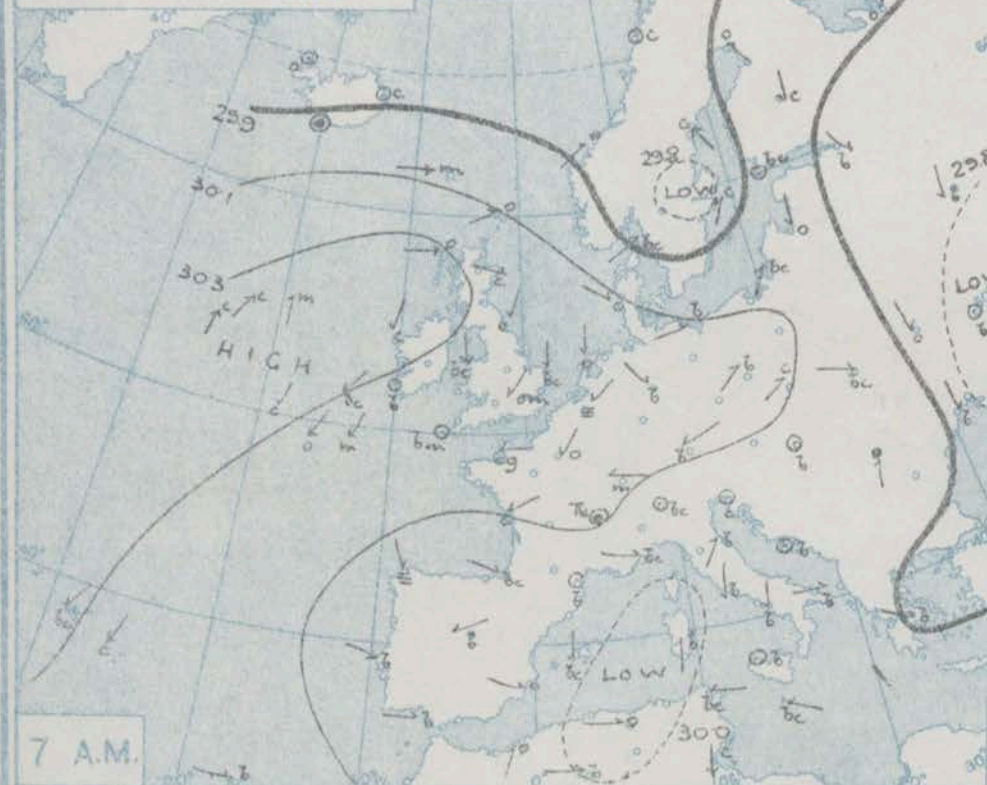
* Information for these columns not usually received.

† Received too late for insertion in Charts.

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



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.

The anticyclonic system appears likely to maintain its position without

any material modification in form or intensity.

FORECASTS FOR THE 24 HOURS NOON TUESDAY

TO NOON WEDNESDAY.

0 { a } Light westerly winds, mostly fair, some local showers, little change of temperature.

1 { Light winds between North West and West; fair generally; temperature moderately high.

2 { a } Wind light, variable or North Easterly; fair or fine.

3 { some mist locally; temperature about normal.

4 { a } Light winds between East and North East; fair to fine, mist at times locally; little change of temperature.

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 } Light winds between West and North West; fair generally; moderately warm.

7 { a } Light winds between North and North East; fair or fine; temperature rather high.

8 { a }

9 { a } Light winds from some Northerly point; fair generally; some mist locally; temperature moderately high.

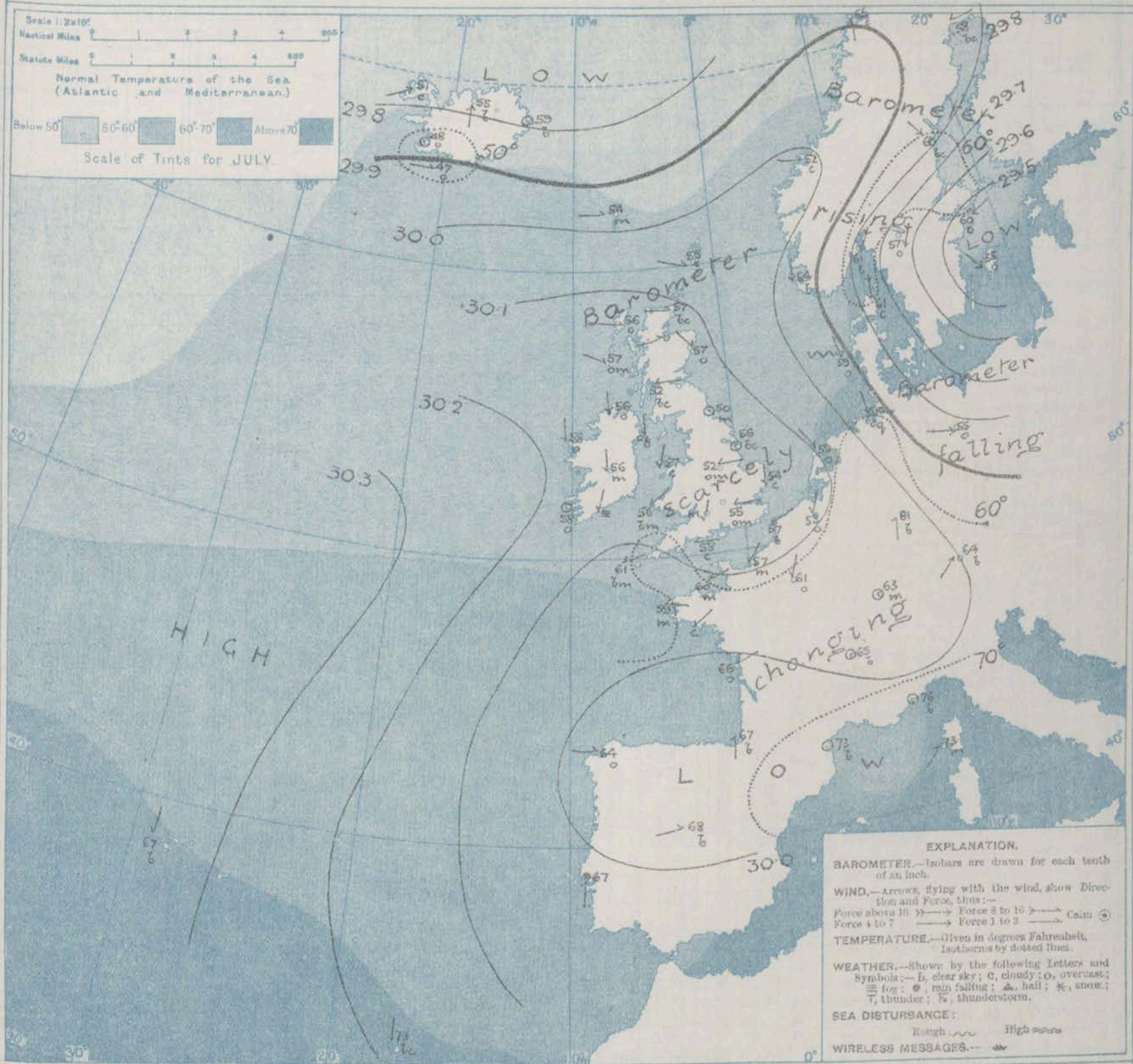
10 { a }

11 WESTERN CHANNEL AND BAY. Light winds, mainly Easterly; sea slight or smooth; fair or fine, some mist locally.

THE FURTHER OUTLOOK. Districts 2 to 5 and 7 to 11.

Fair to bright weather will continue.

SYNOPTIC CHART FOR 7 A.M. TUESDAY, 29TH JULY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure is above 30.1 in. in an anticyclone extending over the United Kingdom from the Atlantic, and as high as 30.35 in. at the Azores. In a depression which has increased in depth and moved South Eastward over Sweden, the barometer is below 29.5 in., the lowest reading being 29.4 in. at Visby.

The wind is strong to a gale from the Northward over Denmark and the south of Scandinavia, but over the United Kingdom it has very little force, and is mainly Westerly in the north, North Easterly or Easterly over England, and Northerly in Ireland.

Temperature has fallen decidedly over the Baltic region, changed little elsewhere. Over these Islands it ranges from 62° at Newquay, and above 55° at most other stations, to 52° at Nottingham, and 50° at North Shields. The weather is fair to fine in most regions, but overcast at some stations and in various parts of the United Kingdom mist or fog is reported.

DAILY WEATHER REPORT.

Tuesday, 29th July, 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 Bar.	48° 9'	5° 49'	H.M.S. <i>Zealand</i>	—	In. 29.98	In. —	E.	(0-12).	f						In.	In.		(0-12).	
20th 6 p.m.	49° 16'	10° 16'	<i>Zealand</i>	O	30.31	+0.05	NNE	4-5	o	20th 1 p.m.	49° 14'	10° 14'	<i>Zealand</i>	O	30.27	-0.00	NE	4-5	o
	49° 16'	10° 16'	<i>Hesperian</i>	O	30.26	-0.01	NNE	1-3	c		56° 19'		<i>Hesperian</i>	H	30.35	+0.02	S	1-3	m
	56° 14'		<i>Royal Edward</i>	O	30.32	-0.03	S	1-3	m		51° 17'		<i>Royal Edward</i>	O	30.26	+0.01			o
	49° 12'		<i>Manitou</i>	H	30.12	-0.06	NE	4-5	c		49° 15'		<i>Manitou</i>	H	30.25	-0.02	NE	1-3	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 ...	—	63	48	c. bc	bc	3.3	Margate ...	—	62	54	c. o	c. b	4.2
Stonehaven ...	—	64	52	c. bc	bc	1.0	Ramsgate ...	—	59	53			3.8
Carnoustie ...	—	64	52			5.9	Folkestone ...	—	62	52	o	o. b	2.4
St. Andrews ...	—	68	49	bc	c. bc	4.4	Hythe ...	—					
England, N.E. Harrogate ...	—	69	47	m. bc. b	b. bc. m	5.9	Littlestone ...	—					4.5
Scarborough ...	—	60	48	c. b	bc	7.2	Hastings ...	—	69	55	bc. o	b	6.0
England, N.W. Douglas ...	—	64	51	bc. q	bc. q	7.0	Bexhill-on-Sea ...	—	65	55	o. c	bc. b	6.4
Blackpool ...	—	63	56	c. bc	bc. b	11.0	Eastbourne ...	—	64	55	o. c	bc. b	6.6
Southport ...	—	63	56	o. bc	bc. b. bc	6.0	Seaford ...	—	72	55	o	c. b	6.7
Midlands. Buxton ...	—	71	44	b	b	11.1	Brighton ...	—	72	55	o. c. bc	bc. o	5.7
Leamington Spa ...	—	77	46	bc	ag	8.7	Worthing ...	—	70	55	c	b	5.4
Malvern ...	—					7	Littlehampton ...	—					6.4
Wales. Rhyl ...	—	61	47	b	b	9.5	Southsea ...	—	67	57	b	b	11.0
Colwyn Bay ...	—	65	49	bc. b	b	10.5	Ryde ...	—	69	61	b	b	10.0
Llandudno ...	—	67	52	b	b	12.5	Ventnor ...	—					
Bettws-y-Coed ...	—						Bournemouth ...	—	70	50	bc. b	b	9.6
Aberystwyth ...	—	65	53	c. b	b	12.0	Weymouth ...	—	71	52	o. b	bc. q	8.0
England, E. Lowestoft ...	—	57	52	bc. b	b	10.7	Exmouth ...	—	65	52	b	b	10.4
Felixstowe ...	—	61	51	m. of c	b	8.5	Teignmouth ...	—	67	53	b	b	9.3
Walton-on-Naze ...	—	62	51	om. b	b	7.9	Torquay ...	—	67	54	o. c. bc	b	9.0
Southend-on-Sea ...	—	63	52	o	b	8.0	Paignton ...	—	68	50	c. b	b	8.2
							Falmouth ...	—	67	53	b	b	12.1
							Bude ...	—					
							Ilfracombe ...	—	69	53	b	bc. q	11.7
							Weston-super-Mare ...	—	78	50	b	b	11.5

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

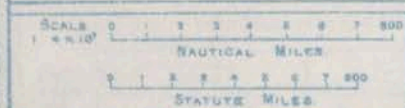
STATIONS.	HUMIDITY.		TEMPERATURE.			Rain-fall.	WEATHER.			Sun-shine for Yesterday.	STATIONS.	RAIN-FALL.	TEMPERATURE.			WEATHER.			Sun-shine for Yesterday.													
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.		Min. on Grass.		Fore-noon.	After-noon.	Night.				In Screen.	Night Min. on Grass.	Night.	Fore-noon.	After-noon.															
			Max.	Min.														Max.		Min.												
24 HOURS ENDED 9 A.M. TO-DAY.																																
Greenwich (Royal Obs.) ...	% 35	% 78	F.° 74	F.° 50	F.° 42	In. —	b	b	b.omb	Hr. 9.4	Dublin to 4 p.m.	In. —	F.° 68	F.° 52	F.° 50	bc	c.b	c	12.6													
City (Bunhill Row) ...	" "	" "	" "	" "	" "	" "	" "	" "	" "	9.5	Plymouth to 9 p.m.	" —	" 66	" 52	" 45	bcm	bc	bcm	10.9													
Westminster (St. James's Pl.)	51	82	75	54	51	—	bc. b	bc	bcmb	9.7	Darwen "	" —	72	52	48	bew	bc	bc	8.7													
Camden Sq. (Brit. Rainfall)	45	87	79	53	51	—	b	b.bc	b.bm	9.6	Manchester "	" —	71	54	"	by	by.b	b	6.0													
Hampstead (Reservoir) ...	"	77	73	51	45	—	bc	om	bm	10.6	Birmingham "	" —	75	52	38	b.f	f.c	c														
Kew. (See front page.)											Oxford to 8 p.m.	"	78	50	45	b.afe	afe.b	bm														
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																																
			Total.		Mean Rate.		Max. Rate.																									
S. Kensington (Roof of M.O.)			50		74		1655 Joules.		29.5 Milliwaits.		62.5 Milliwaits.		9.7		S. Kensington (Museum Grounds to 6 p.m.)		—		76.		55		40		b.b.c.b		bc		bc			

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

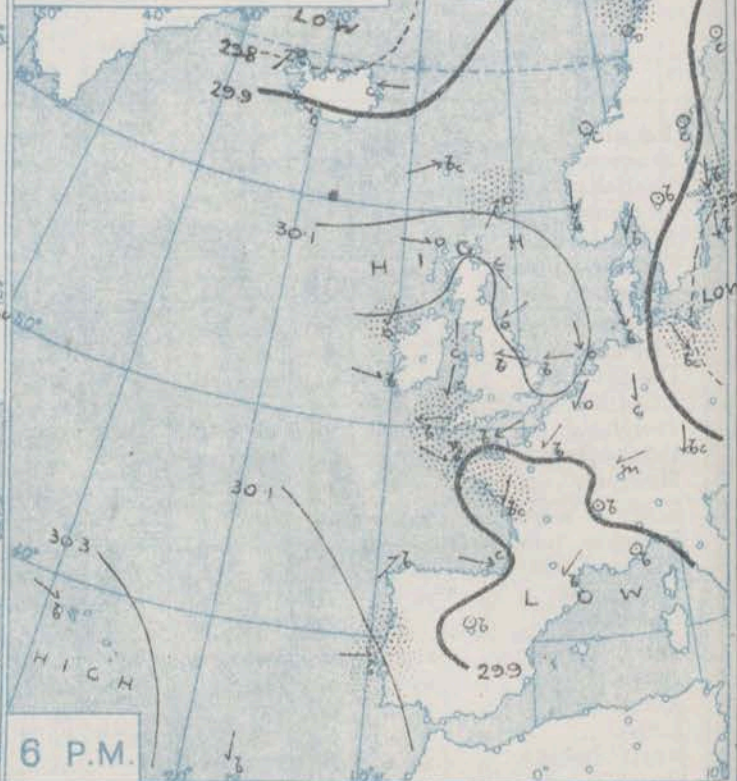
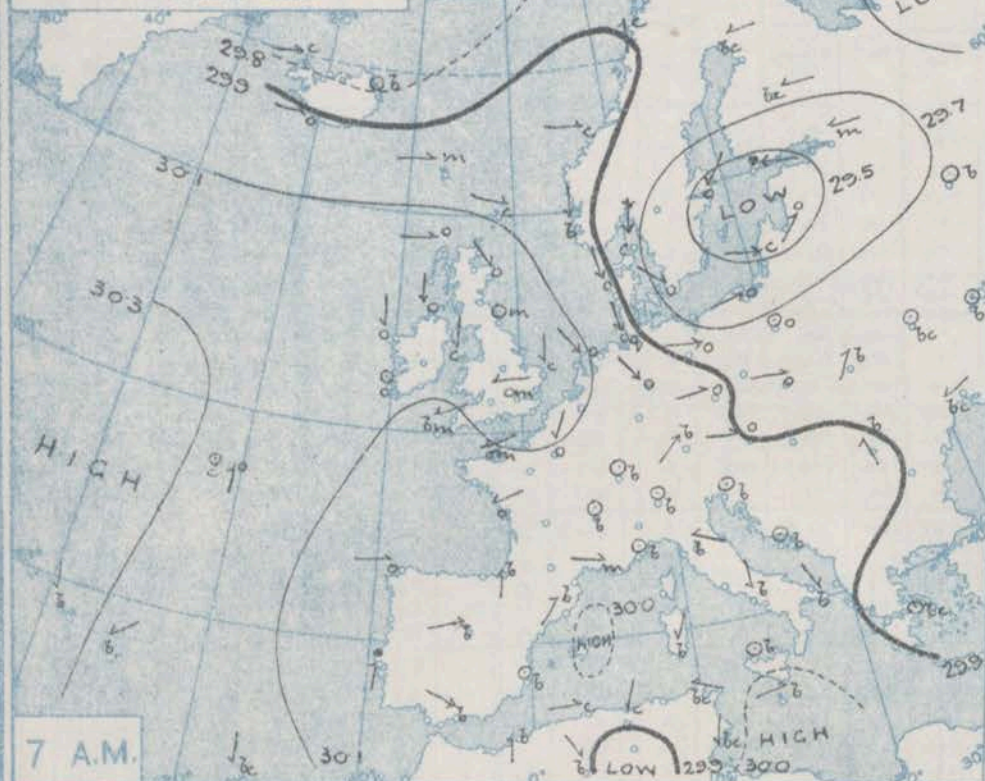
Wednesday,
30th July 1913.

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.	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.	Night 6 p.m. to 7 a.m.
		In.	F.						In.	F.																
BRITISH ISLANDS.	Lerwick ...	30.06	56	SW	1	0	30.08	+0.1	55	0	SW	2	0	3	0.03	57	53	om	om	omd	Hours					
	Stornoway ...	30.11	58	W	2	0	30.10	0.0	57	+1	SW	1	0	1	-	59	55	og	0	0.0	0.0					
	Castlebay (Barra Isd.)	30.14	57	N	2	om	30.08	+0.2	56	-1	WNW	2	om	1	-	59	54	om	om	om	0.0					
	Glasgow ...	30.08	64	ENE	3	bc	30.09	0.0	55	+3	ENE	2	c	*	-	72	52	bc	bc	bc	11.8					
	Malin Head...	30.10	58	N	3	bc	30.06	0.0	57	+1	NNW	2	c	1	-	60	54	om	bc	og	*					
	Blacksod Point ...	30.09	60	NNE	1	0	30.09	0.0	59	+1	-	0	0	0	0.07	61	56	om	om	om	*					
	Valencia ...	30.05	65	WNW	2	bc	30.01	0.0	56	-2	-	0	0	2	-	66	50	bc	om	bc	9.3					
	Roches Point ...	30.06	63	S	2	0	30.00	0.0	58	+2	N	2	c	2	-	64	54	fc	bc	bc	*					
	Birr Castle ...	30.05	68	N	1	0	30.04	0.0	53	-3	NE	1	c	*	-	68	47	c	bc	bc	4.3					
	Donaghadee ...	30.08	62	NNW	2	0	30.07	+0.1	54	-2	W	2	bc	1	-	63	53	b	bc	bc	*					
SCOTLAND.	Liverpool Obsy. ...	30.06	64	NW	1	0	30.04	0.0	59	+2	ESE	3	0	3	-	66	57	om	bc	bc	7.9					
	Holyhead ...	30.07	59	N	1	em	30.03	-0.1	55	-2	N	1	em	1	-	66	56	b.c.	bc	bc	4.5					
	Pembroke (St. Ann's Hd.)	30.03	66	NNE	2	c	29.99	-0.1	60	+4	ESE	5	bc	4	-	71	56	bc	bc	bc	10.0					
	Newquay ...	30.00	60	-	0	bc	29.87	?	61	-1	E	2	og	1	-	73	54	bc	bc	bc	12.5					
	Silly (St. Mary's) ...	29.99	66	E	4	0	29.83	-0.1	60	-1	ESE	5	em	5	0.07	69	59	bc	bc	bc	13.1					
	Jersey (St. Aubin) ...	29.97	72	ENE	4	bc	29.96	+0.2	60	+2	E	6	c	4	-	63	57	bc	bc	bc	*					
	Portland Bill ...	30.03	62	E	3	0	30.04	0.0	61	+2	ENE	3	bc	4	-	64	57	c	bc	bc	*					
	Dungeness ...	30.07	61	ENE	5	0	30.07	0.0	59	+3	E	4	0	4	-	61	56	0	bc	bc	3.9					
	Dover ...	30.10	59	NE	4	0	30.07	0.0	59	+3	E	4	0	4	-	61	56	0	bc	bc	*					
	IRELAND, FAEROE, &c.	Wick ...	30.12	58	WNW	2	0	30.09	-0.1	55	-2	ESE	1	0	1	-	61	53	bc	c	om	*				
Nairn ...		30.10	63	E	2	0	30.08	0.0	55	-1	-	0	0	1	-	67	49	c	bc	bc	6.0					
Aberdeen ...		30.13	59	SE	2	c	30.12	0.0	57	0	S	3	c	2	-	65	53	0	bc	bc	1.0					
Leith ...		30.06	60	NW	2	0	30.08	+0.2	56	-1	NNE	2	og	*	-	63	55	b	bc	bc	*					
North Shields ...		30.12	58	ENE	2	0	30.12	0.0	54	+4	SSW	1	0	2	-	65	50	om	bc	bc	11.1					
Spurn Head ...		30.13	59	ESE	3	0	30.11	0.0	57	+1	ESE	2	0	2	-	62	54	bc	bc	bc	12.5					
Yarmouth ...		30.15	60	E	1	0	30.11	0.0	57	+3	E	3	c	2	-	62	54	bc	bc	bc	9.0					
Clacton-on-Sea ...		30.11	60	ESE	2	0	30.07	0.0	59	+4	ENE	3	0	2	-	63	55	0	bc	bc	5.0					
Nottingham...		30.06	69	ESE	3	0	30.10	0.0	55	+3	SE	1	0	*	-	73	51	om	bc	bc	4.8					
Bath ...		30.03	77	SE	1	0	30.05	0.0	58	+5	E	1	0	*	-	79	53	m	bc	bc	11.2					
SCANDINAVIA.	London (Kew Obsy.)...	30.07	65	ENE	3	0	30.06	0.0	59	+4	E	3	om	*	-	73	55	om	bc	bc	9.8					
	Spitzbergen ...	29.82	46	W	2	0	29.82	0.0	41	-1	SW	2	0	*	-	46	37									
	Isafjord ...	29.79	55	SW	3	0	29.80	-0.1	51	0	-	0	0	*	-											
	Reykjavik ...	29.89	54	W	3	0	29.85	-0.04	50	+2	-	0	0	*	-											
	Vestmanna ...	29.91	53	NW	2	0	29.86	-0.1	48	+1	SSE	1	0	*	-											
	Seydisfjord ...	29.81	64	E	4	0	29.85	-0.1	52	-7	-	0	0	*	-											
	Thorshavn ...	29.97	57	WSW	5	bc	29.98	0.0	52	-2	N	3	0	*	-											
	Haparanda ...	29.88	57	-	0	c	29.89	+0.4	59	+1	N	2	c	*	-	60	52									
	Hernösand ...	29.93	60	-	0	c	29.95	+0.1	60	0	N	4	0	*	-	64	54									
	Stockholm ...	29.87	56	N	4	0	29.98	+0.4	59	-1	NNE	2	0	*	-	63	48									
GERMANY, &c.	Wisby ...	29.79	59	N	6	0	29.92	+0.3	57	+2	N	4	bc	*	-	64	54									
	Karlstad ...	29.94	62	-	0	0	30.01	0.0	59	+2	-	0	0	*	-	66	50									
	Færder (X'lania Fjord)	29.95	67	N	1	0	30.00	+0.1	65	+4	-	0	0	*	-	66	59									
	Bodö ...	29.96	53	-	0	0	30.03	+0.2	53	-2	SW	2	bc	1	0.04	55	48									
	Christiansund ...	30.02	54	-	0	c	30.02	+0.1	55	+3	-	0	0	2	-	55	48									
	Skudesnaes ..	30.03	55	N	4	0	30.06	0.0	57	+3	N	4	c	2	-	59	50									
	The Scaw (Skagen)...	29.97	59	NNE	2	0	30.02	+0.2	63	+2	W	1	0	0	-	60	54									
	Blaavands Huk ...	30.00	58	NNW	3	0	30.08	+0.1	62	+3	NNW	1	0	1	-	63	54									
	Cuxhaven ...	30.00	60	NNW	5	0	30.06	+0.2	60	0	N	2	0	0	-	63	57									
	The Helder ...	30.11	58	N	4	0	30.12	+0.1	59	0	NE	2	c	1	-	61	57									
FRANCE.	Brussels ...	30.08	61	NNE	1	0	30.06	0.0	57	+4	ENE	1	0	*	-	69	52									
	Berlin ...	29.84	64	NW	5	bc	30.01	+0.5	62	+7	NW	3	0	0.04	-	70	55									
	Frankfurt ...	30.05	61	N	1	0	30.08	+0.1	57	-4	NE	1	0	*	-	70	52									
	Munich ...	29.99	62	N	4	bc	30.06	+0.1	58	-6	NE	4	bc	*	-	73	54									
	C. Gris Nez...	30.06	61	E	5	0	30.05	-0.1	56	-1	ENE	4	c	2	-	64	52									
	La Hève ...	30.01	66	NE	3	m	29.94	0.0	61	+4	NE	4	m	3	-	77	55									
	Brest (St. Mathieu) ...	29.91	69	NW	3	bc	29.82	0.0	63	+4	ESE	4	f	2	0.24	90	59									
	Lorient (Rec Melon)...	29.82	86	-	0	bc	29.91	-0.4	64	-2	W	3	0	*	-	91	64									
	Rochefort (Ile d'Aix)	29.91	71	W	4	c	29.98	+0.2	67	0	WSW	4	0	2	-	79	66									
	Biarritz ...	29.91	71	W	4	c	29.98	+0.2	67	0	WSW	4	0	2	-	79	66									
SPAIN, PORTUGAL, &c.	Paris ...	29.99	73	NE	3	0	29.96	-0.1	63	+2	ENE	2	0	*	-	78	54									
	Belfort ...	29.95	72	ENE	4	m	30.00	0.0	57	-6	ENE	6	m	*	-	81	51									
	Lyons ...	29.92	80	-	0	0	29.90	0.0	66	+1	-	0	0	*	-	86	62									
	Nice ...	29.88	71	-	0	0	30.09	+0.1	69	-7	-	0	0	0	-	84	63									
	Perpignan ...	29.81	73	NE	3	0	29.88	+0.3	74	+1	N	3	0	*	-	84	63									
	Sanguinaire ...	29.81	73	NE	3	0	29.88	+0.3	74	+1	N	3	0	*	-	84	63									
	Corunna (S.a.m.) ...	29.98	70	SW	3	0	30.04	0.0	62	-2	WSW	3	0	2	-	73	57									
	Lisbon (S.a.m.) ...	30.10	67	W	3	0	30.15	+0.4	67	0	W	4	0	2	0.04	75	65									
	Gibraltar ...	30.10	67	W	3	0	30.15	+0.4	67	0	W	4	0	2	0.04	75	65									
	Azores (Horta S.a.m.)	30.35	68	WNW	1	0	30.34	0.0	69	+2	-	0	0	1	-	77	64									
Madeira (Funchal) ...	30.20	72																								

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



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 shallow depression, which has arrived over the south west of England from the southward, is likely to cause a less settled condition of weather over a

considerable portion of the Kingdom, and an increase in the force of the Easterly wind over our southern districts.

FORECAST FOR THE 24 HOURS NOON

WEDNESDAY TO NOON THURSDAY.

0 {^a } Light variable or South.
{^b } Westerly winds; mostly fair, but some showers locally; moderate temperature.

1 { } Light winds, mainly southerly or south-easterly;

2 {^a } fair generally; moderate temperature
{^b }

3 { } Wind mainly Easterly, freshening; mostly fair, dull at times; air rather cool.

4 {^a } Easterly winds, freshening;
{^b } a good deal of cloud, some showers, with thunder locally.

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 }

Same as Nos. 1 and 2.

7 {^a }
{^b }

8 {^a }
{^b }

Easterly winds, moderate to strong; less fine, some rain and thunder locally; cooler.

9 {^a }
{^b }

Same as No. 0.

10 {^a }
{^b }

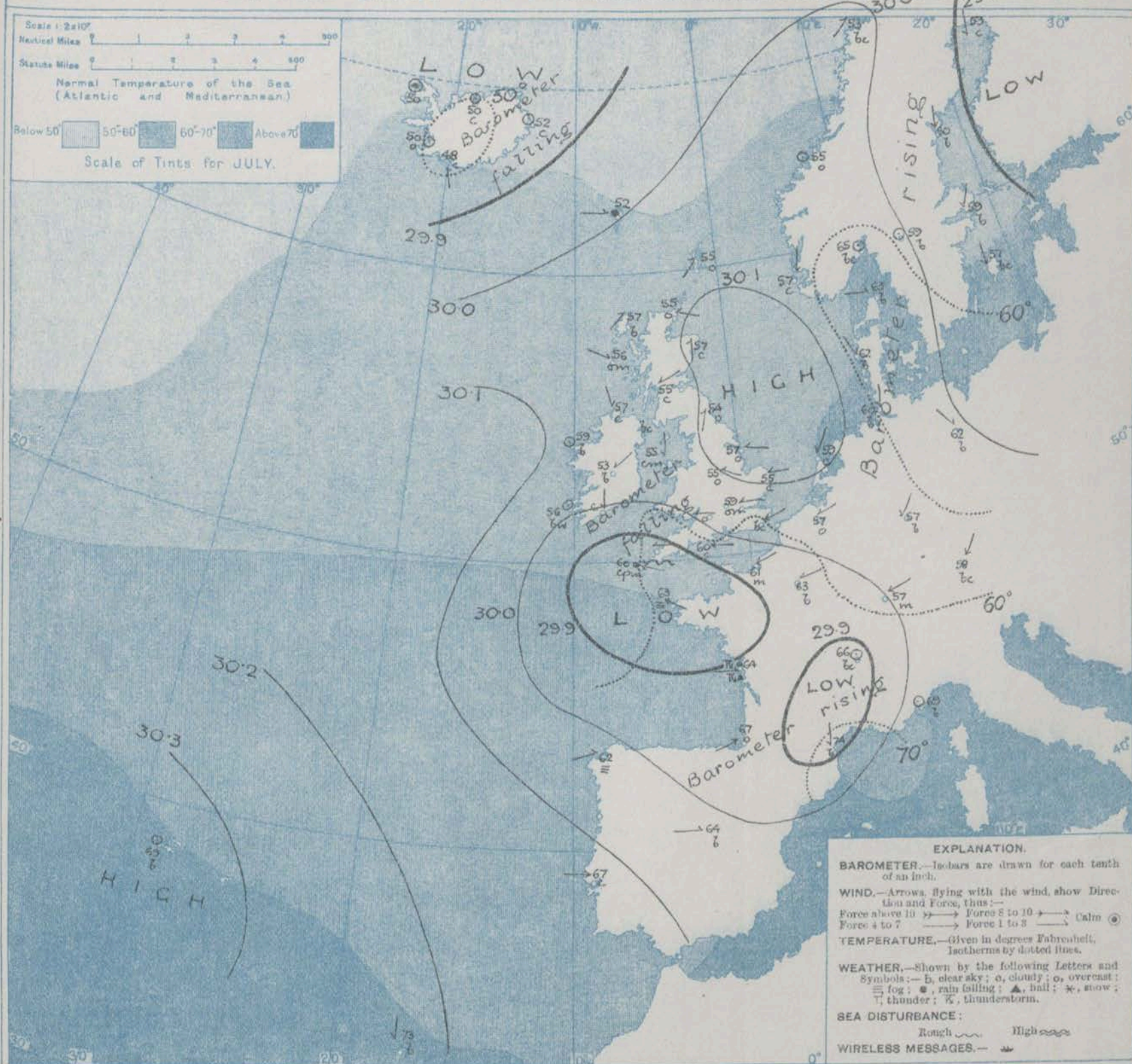
Wind mainly Easterly, freshening; becoming less fine, local showers, with thunder probable; cooler.

11 WESTERN CHANNEL AND BAY.

Easterly winds, moderate to strong; sea moderate to rather rough; much cloud, thunderstorms locally.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. WEDNESDAY, 30TH JULY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The barometer is above 30.1 in. over the North Sea, and above 30.3 in. over the Azores region, while in a shallow depression extending from Brittany over the extreme SW. of England, it is below 29.9 in. The readings are also below 29.9 in. over Iceland and in the extreme north of Sweden.

The circulation of the wind around the shallow depression is well-marked, and the Easterly current over the south coast of England blows a fresh to strong breeze. Over the northern parts of the United Kingdom the wind is very light, and rather variable in direction. Temperature ranges over these Islands from

60° or 61° at some stations in the south to 54° at North Shields, and to 55° at Air Castle. Much cloud prevails over the United Kingdom generally, but at several Irish stations the sky is fairly clear. Showers are reported at Scilly. Over the greater part of the Continent the conditions are fair to fine; fog is, however, reported at Brest and Corunna, and a thunderstorm in the west of France.

DAILY WEATHER REPORT.

Wednesday, 30th July, 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.	
29th 6pm	49° 25'	14° 18'	N. M. S.	-	29.92	-	E	3	h	29th 7am	48	21	Zeeland.	0	30.12	-1.1	-	0	c
			Dry Bulb 59°. Wet bulb 58°. Sea Temp. 59°. Sea Disturbance 3.								47	20	Minneapolis	0	30.16	-.06	S	1-3	c
			Bar steady, wind freshening.																

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.	F.	F.			hr	Margate	In.	F.	F.			hr
Oban	-	65	43	bc c	bc	8.0	Raingate	-	62	51	c	c	2.4
Stonehaven	-	63	33	c. bc	b	3.7	Folkestone	-	60	49	"	"	2.4
Carnoustie	-	64	51	"	"	6.7	Hythe	-	62	52	o. bc	b. bc	4.3
St. Andrews	-	65	51	b	b	6.5	Littlestone	-	"	"	"	"	7.6
England.	-	-	-	-	-	-	Hastings	-	68	49	b	b	10.1
Harrogate	-	72	48	b	b	11.1	Bexhill-on-Sea	-	65	51	b	b	13.3
Scarborough	-	64	51	bc	bc	9.8	Eastbourne	-	66	50	b	b	12.3
England.	-	-	-	-	-	-	Seaford	-	71	49	b	b	10.3
Douglas	-	67	52	b	b. b	10.5	Brighton	-	72	51	b	bc c	11.7
Blackpool	-	67	52	c. bc	bc c	10.7	Worthing	-	67	51	b	b	9.4
Southport	-	66	52	o. bc. b	d. bc	8.3	Littlehampton	-	"	"	"	"	9.2
Mid-lands.	-	-	-	-	-	-	Southsea	-	69	53	bc. b	b	7.5
Buxton	-	74	45	b	bc	5.3	Ryde	-	69	57	m	b	7.5
Leamington Spa	-	77	51	b	bc	7.5	Ventnor	-	"	"	"	"	7.5
Malvern	-	"	"	"	"	10.0	Bournemouth	-	69	48	o. o. c. bc	b	9.0
Wales.	-	-	-	-	-	-	Weymouth	-	67	52	bc. b	bc	6.5
Rhyl	-	64	45	b	b	4.4	Exmouth	-	65	50	b	b	9.4
Colwyn Bay	-	64	48	b	bc	3.1	Teignmouth	-	64	52	f. b. ob	b	10.1
Llandudno	-	67	50	bc	bc c	3.9	Torquay	-	66	53	c. bc. b	b	10.1
Bettws-y-Coed	-	"	"	"	"	"	Paignton	-	64	52	bc. b	bc. b	8.7
Aberystwyth	-	65	53	c. bc	b	9.5	Falmouth	-	67	55	b	b	11.7
England.	-	-	-	-	-	-	Bude	-	"	"	"	"	11.7
Lowestoft	-	61	52	c. bc. b	b	6.2	Hfracombe	-	69	55	b	bc	10.0
Felixstowe	-	62	48	m. o. c	c. b	6.0	Weston-super-Mare	-	75	53	b	bc	8.5
Walton-on-Naze	-	61	48	ogm. bc	b	4.2							
Southend-on-Sea	-	65	51	o	bc	4.5							

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.	Max.	Min.	Min. on Grass.		Fore- noon.	After- noon.	Night.				Max.	Min.	Night Min. on Grass.	Night.	Fore- noon.	After- noon.	
Greenwich (Royal Obs.)	62	74	73	53	47	-	b	b	b. bc. c	11.3	Dublin to 4 p.m.	-	65	56	54	c. o	o. c	bc	11.3
City (Bunhill Row)	"	"	"	"	"	"	"	"	"	9.9	Plymouth to 9 p.m.	-	75	52	46	bc	b	b	13.1
Westminster (St. James's Pl.)	64	87	73	57	53	-	b	b	bc. o. bc	10.2	Darwen	-	73	51	50	bc	bc	bc	8.7
Camden Sq. (Brit. Rainfall)	58	81	77	55	53	-	bm. b	b. bc	b. c. o	9.9	Manchester	-	77	54	"	bc	bc. b	bc	3.3
Hampstead (Reservoir)	"	73	71	54	43	-	bc	bc	bc. o	10.6	Birmingham	-	76	51	46	c	c	c	
Kew. (See front page.)	"	"	"	"	"	"	"	"	"	"	Oxford to 8 p.m.	"	78	52	47	bm. of	f. bm	bm	
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																			
		Total.	Mean Rate.		Max. Rate.														
S. Kensington (Roof of M.O.)		60	82	1661	Joules.	207	Milliwatts.	35.5	Milliwatts.	10.4	S. Kensington (Museum Grounds to 6 p.m.)	-	74	53	47	bc	bc	bc	

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

30th July, 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 4.5 4.10	G.M.T. 11.59 11.59	G.M.T. 7.49 7.47
Greenwich	4.21 4.23	12.6 12.6	7.51 7.49
Wick	3.51 4.1	12.18 12.18	8.37 8.35
Valencia	4.59 5.1	12.47 12.47	8.36 8.33

During yesterday temperature rose to above 75° over Central England but only touched 60° or 61° at some places on the east and south-east coast. Over the United Kingdom there were several hours of bright sunshine, more than 12 hours at Spurn Head and at several places in the south-west. Rain accompanied by thunder and lightning, occurred yesterday in the south-west of France.

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.

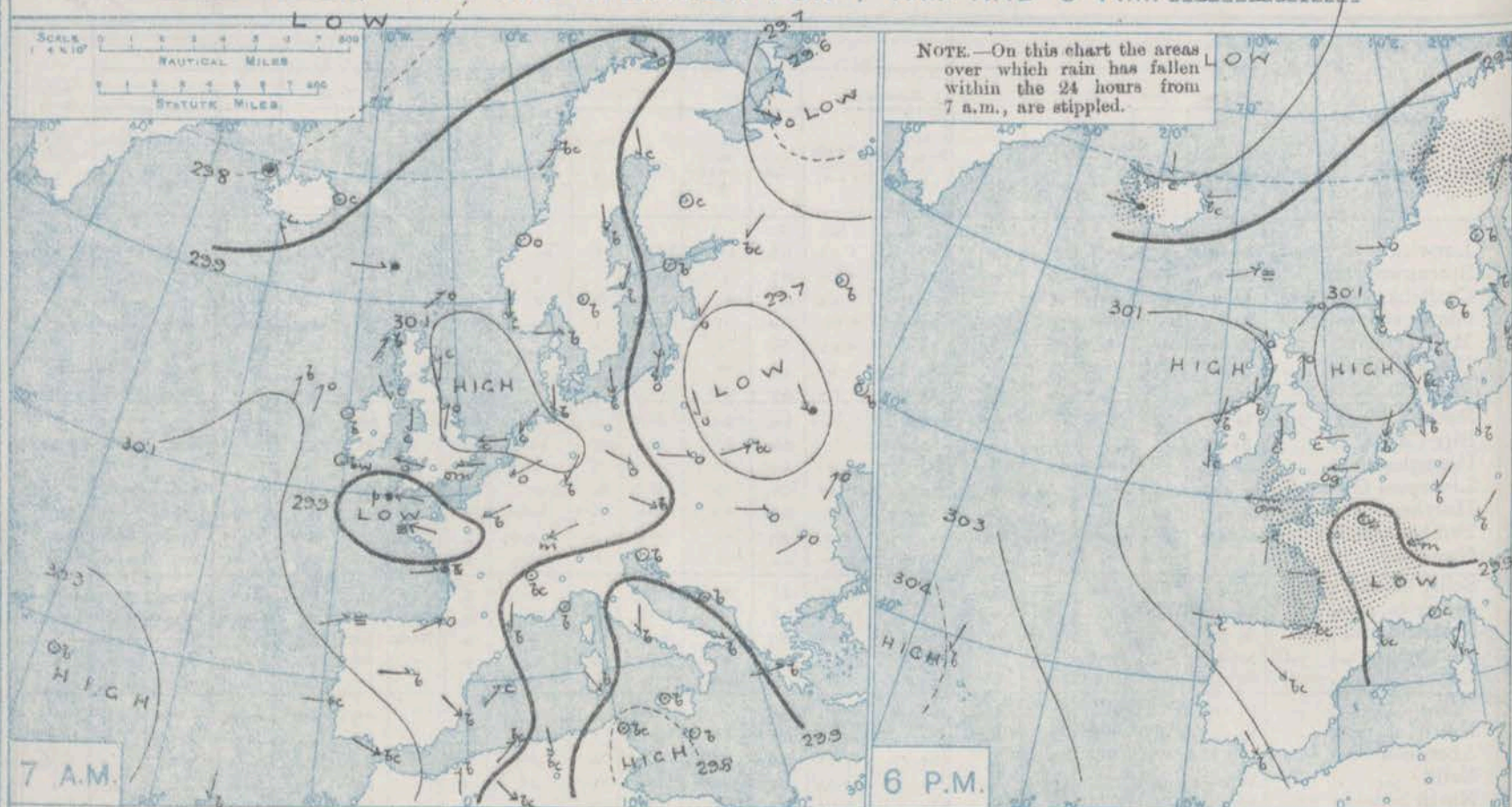
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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Thursday,
31st July 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.				
Lerwick	30.09	57	SW	1	o	30.12	+0.2	56	+1	SSW	1	bc	1	-	61	53	c	o	bc	17			
Stornoway	30.10	60	NW	3	o	30.18	+0.2	57	0	WSW	1	o	1	-	64	51	bc	o	bc	0.0			
Castlebay (Barra Isd.)	30.11	57	NNW	2	o	30.17	+0.2	57	+1	NNW	2	c	1	-	60	53	bc	o	bc	8.5			
Glasgow	30.05	65	NW	1	b	30.14	+0.3	54	-1	ENE	1	m	2	-	73	54	bc	o	bc	5.0			
Malin Head	30.10	59	N	2	b	30.16	+0.2	56	-1	N	3	bc	2	-	62	54	bc	o	bc	5.0			
Blackod Point	30.09	63	NNE	3	b	30.18	+0.1	58	-1	NNE	1	bc	1	trace	67	55	bc	o	bc	5.0			
Valencia	30.03	66	N	3	o	30.12	+0.2	60	+4	N	2	c	3	-	71	56	bc	o	bc	5.0			
Roche's Point	30.01	63	S	1	c	30.09	0	60	+2	N	2	o	2	-	68	58	bc	o	bc	7.3			
Birr Castle	30.03	67	N	1	o	30.12	0	54	+1	N	2	bc	2	-	71	52	bc	o	bc	5.7			
Donaghadee	30.06	59	NNW	3	bc	30.12	+0.1	55	+1	NNW	3	b	2	-	63	54	bc	o	bc	4.5			
Liverpool Obsy.	30.02	68	ESE	2	b	30.10	+0.1	56	-3	E	3	o	2	-	71	56	bc	o	bc	6.0			
Holyhead	30.00	63	N	1	c	30.07	+0.2	59	+4	ENE	3	bc	2	-	70	55	bc	o	bc	1.4			
Pembroke (St. Ann's Hd.)	29.99	63	NNE	2	bc	30.02	+0.2	59	-1	NE	3	bc	2	trace	66	56	bc	o	bc	2.4			
Newquay	29.95	62	E	2	o	29.97	+0.1	60	-1	E	1	o	2	0.01	69	58	bc	o	bc	0.2			
Scilly (St. Mary's)	29.92	61	ESE	5	om	29.97	+0.1	61	+1	NE	1	cm	2	-	66	59	bc	o	bc	0.2			
Jersey (St. Aubin)	29.92	63	E	3	om	29.93	0	62	0	ENE	3	c	3	0.07	65	59	bc	o	bc	0.2			
Portland Bill	29.94	62	E	4	c	29.97	+0.1	57	-3	NE	4	o	4	trace	65	55	bc	o	bc	0.2			
Dungeness	29.99	62	NNE	6	bc	29.95	+0.1	62	+1	NE	5	o	4	-	66	58	bc	o	bc	0.2			
Dover	29.99	60	NE	5	b	29.99	0	63	+4	NE	4	c	4	-	63	55	bc	o	bc	2.1			
Wick	30.09	58	NE	1	c	30.16	+0.2	55	0	WNW	1	o	1	-	59	53	bc	o	bc	4.8			
Nairn	30.06	61	NE	2	bc	30.16	0	57	+2	NE	1	c	1	-	67	52	bc	o	bc	5.0			
Aberdeen	30.09	57	S	3	o	30.17	+0.2	55	-2	SSE	2	o	2	-	63	55	bc	o	bc	6.7			
Leith	30.04	62	NE	1	bc	30.13	+0.3	55	-1	N	1	o	3	-	67	55	bc	o	bc	0.2			
North Shields	30.07	58	ESE	4	c	30.15	+0.1	54	0	SE	2	o	3	-	63	53	bc	o	bc	4.4			
Spurn Head	30.03	57	E	3	bc	30.12	+0.2	58	+1	E	3	o	2	-	62	56	bc	o	bc	2.5			
Yarmouth	30.06	59	NE	3	bc	30.06	0	58	+1	NE	5	o	3	-	63	56	bc	o	bc	0.7			
Clacton-on-Sea	30.03	60	ENE	4	bc	30.01	-0.1	59	0	NE	4	o	4	-	62	54	bc	o	bc	4.3			
Nottingham	30.05	63	E	3	c	30.09	0	55	0	E	3	o	4	-	64	53	bc	o	bc	0.0			
Bath	29.99	67	E	3	o	30.04	0	59	+1	ENE	4	o	4	-	73	56	bc	o	bc	0.0			
London (Kew Obsy.)	30.01	61	E	3	o	30.03	+0.1	57	-2	NNE	3	om	4	-	63	55	bc	o	bc	0.0			
Spitzbergen	29.79	43	SW	3	o	29.65	-0.5	42	+1	S	7	o	0	?	43	37	bc	o	bc	0.0			
Isafjord	29.75	58	S	2	o	29.59	+0.1	50	-1	-	0	o	0	?	43	37	bc	o	bc	0.0			
Reykjavik	29.82	50	N	2	o	29.80	+0.1	49	-1	SW	3	bc	0	?	43	37	bc	o	bc	0.0			
Vestmanna	29.86	48	SW	1	o	29.86	0	49	+1	SW	3	o	0	?	43	37	bc	o	bc	0.0			
Seydisfjord	29.78	68	E	2	bc	29.73	-0.2	52	0	-	0	o	0	?	43	37	bc	o	bc	0.0			
Thorshavn	29.99	54	WNW	4	f	30.04	+0.2	53	+1	WNW	3	c	0	?	43	37	bc	o	bc	0.0			
Haparanda	29.93	59	SW	2	o	29.88	-0.2	61	+2	S	2	o	0	0.43	68	50	bc	o	bc	0.0			
Hernösand	30.01	58	-	0	b	30.00	0	62	+2	-	0	bc	0	-	66	50	bc	o	bc	0.0			
Stockholm	30.00	60	SE	2	b	30.02	-0.1	65	+6	SSE	2	b	0	-	68	52	bc	o	bc	0.0			
Wisby	30.00	54	NE	2	b	30.04	+0.1	59	+2	NE	2	b	0	-	63	52	bc	o	bc	0.0			
Karlstad	30.00	62	-	0	b	30.03	0	62	+3	S	2	b	0	-	72	52	bc	o	bc	0.0			
Færder (X'tania Fjord)	30.00	62	SW	4	b	30.02	0	59	-6	S	4	m	2	-	66	57	bc	o	bc	0.0			
Bodö	29.97	84	SW	2	c	29.90	0	52	-1	SW	5	r	3	0.16	53	50	bc	o	bc	0.0			
Christiansund	30.04	54	N	2	o	30.04	-0.1	54	-1	N	2	r	2	-	57	52	bc	o	bc	0.0			
Skudesnaes	30.07	55	N	6	o	30.12	0	57	0	N	6	c	2	-	57	52	bc	o	bc	0.0			
The Scaw (Skagen)	30.04	58	WNW	2	b	30.05	+0.1	59	-4	SW	2	o	0	-	70	55	bc	o	bc	0.0			
Blaavands Huk	30.10	57	NNW	1	bc	30.10	+0.1	60	-2	NNW	1	c	1	-	63	50	bc	o	bc	0.0			
Cuxhaven	30.05	63	N	2	b	30.07	+0.1	63	+3	E	2	b	0	-	64	57	bc	o	bc	0.0			
The Helder	30.05	61	NNE	5	b	30.08	0	62	+3	NE	4	b	2	-	64	59	bc	o	bc	0.0			
Brussels	29.94	64	ENE	3	b	29.96	+0.1	62	+5	ENE	2	b	0	-	73	54	bc	o	bc	0.0			
Berlin	30.00	66	N	3	b	30.05	+0.1	63	+1	N	2	b	0	-	73	55	bc	o	bc	0.0			
Frankfurt	29.96	65	NE	1	b	30.00	+0.2	61	+4	NE	1	b	0	-	81	54	bc	o	bc	0.0			
Munich	29.95	59	NE	3	b	29.94	+0.1	57	-1	NE	4	b	0	-	68	46	bc	o	bc	0.0			
C. Gris Nez	29.98	60	NE	5	bc	29.95	+0.1	61	+5	ENE	4	b	3	-	66	56	bc	o	bc	0.0			
La Hève	29.95	64	NE	2	m	29.87	0	63	+2	-	0	f	0	0.28	73	57	bc	o	bc	0.0			
Brest (St. Mathieu)	29.91	68	S	1	c	29.93	+0.1	60	-3	NNE	3	r	2	0.08	79	59	bc	o	bc	0.0			
Lorient (Rec Melen)	29.95	68	W	3	c	29.93	+0.1	64	0	SW	4	c	0	0.12	86	61	bc	o	bc	0.0			
Rochefort (Ile d'Alx)	30.03	69	WSW	3	bc	30.02	-0.1	66	-1	WSW	4	bc	4	0.20	73	61	bc	o	bc	0.0			
Biarritz	29.9.																						

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



GENERAL INFERENCE

WEATHER PROSPECTS.

The pressure changes in progress are slight, and no great modification in the

general distribution appears likely during the ensuing twenty four hours.

FORECASTS FOR THE 24 HOURS NOON THURSDAY TO NOON FRIDAY.

0 {
a
b

Light variable or S.E. winds; mostly fair; moderate temperature.

1 {

Light variable winds; mostly fair, dull at times; moderate temperature.

2 {
a
b

Light or moderate winds, mainly Easterly; cloudy or dull then fairer; temperature below the normal.

3

Same as No. 5.

4 {
a
b

Same as No. 2.

5 {

S.W. wind between East and North-East, moderate or fresh; much cloud, then brighter; temperature below the normal.

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

Same as No. 1.

7 {
a
b

S.W. wind Easterly or North

8 {
a
b

Easterly, light or moderate; cloudy or overcast, then brighter; moderate temperature.

9 {
a
b

S.W. wind Northerly or North-Easterly, light; fair to bright generally; moderately warm.

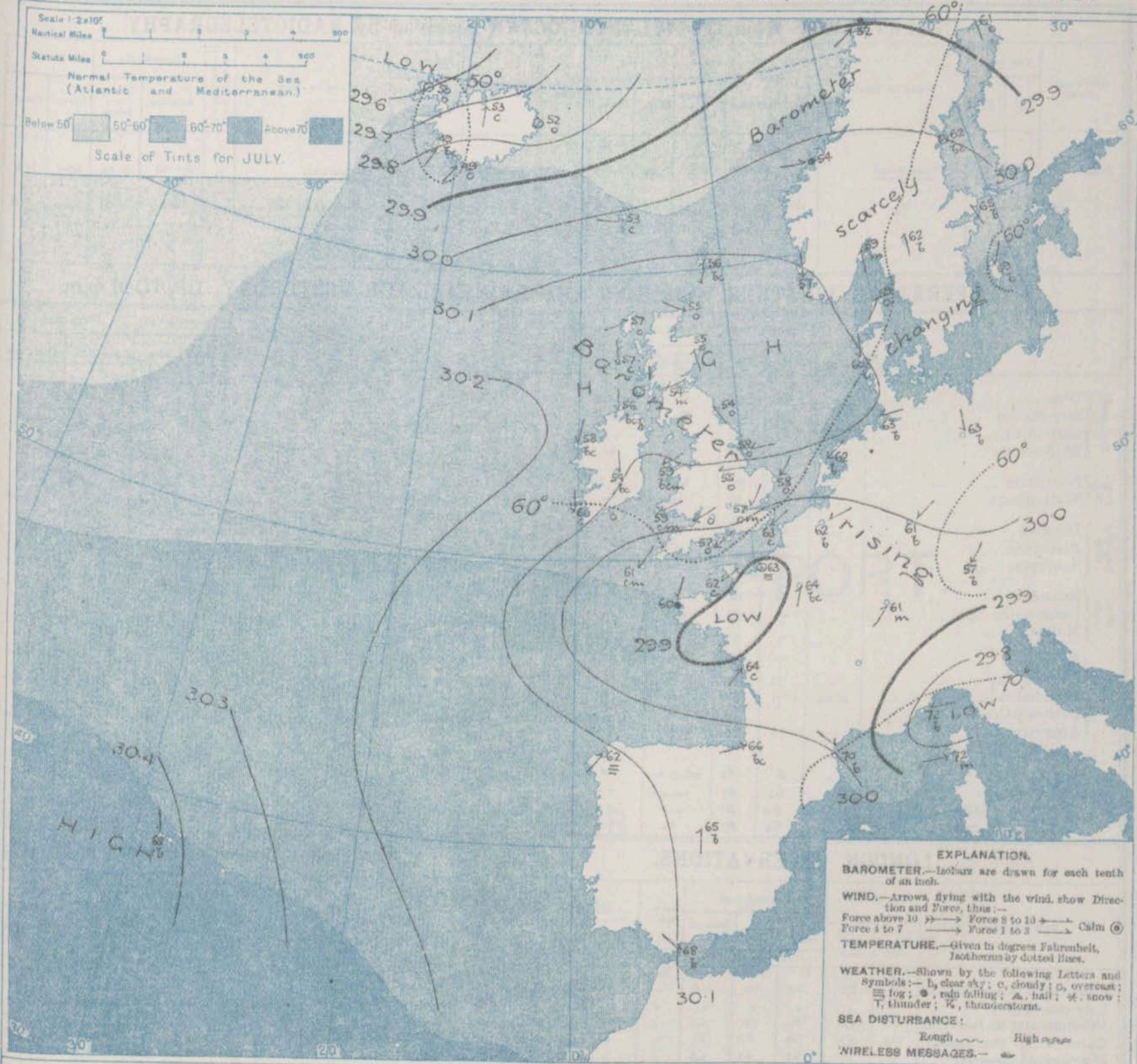
10 {
a
b

11 WESTERN CHANNEL AND BAY.

S.W. Easterly winds, light or moderate; sea slight, cloudy or dull, then brighter.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. THURSDAY, 31ST JULY 1913



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The barometer is above 30.1 in. in an anticyclone extending from the Atlantic across Iceland and the northern halves of Great Britain and the North Sea, while at the Azores it is above 30.4 in. In a depression over Normandy and Brittany the readings are below 29.9 in, and between Iceland and Greenland below 29.6 in.

The wind is light from the Northwest in Iceland, and light to fresh from East or North East over England and the Channel. Over Scotland it is light and rather variable but between Scotland and Iceland there is a westerly to South

88. easterly current. Temperature has undergone little change. Over the United Kingdom it ranges from 62° at Dover and about 60° in the south generally to 54° at North Shields and Glasgow. A good deal of cloud prevails over Great Britain, but in Ireland the sky is clear. Over the western half of Europe the weather is mostly fair to bright; rain is falling, however, at Brest, Christianaund and Bodo.

DAILY WEATHER REPORT.

Thursday, 31st July, 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.	
30th 6 p.m.	55	9	Tunisian	H	30.12	+0.1	W	1-3	c	30th 7 a.m.	56	14	Tunisian	H	30.02	+0.2	SW	1-3	b
1 p.m.	56	12	do	H	30.09	+0.2	S	1-3	c	-	50	12	Empress of Ireland	H	30.09	+0.3	SW	1-3	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.		
	In.	F.	F.			Hr.		In.	F.	F.			Hr.	
Scotland.	(Oban	-	66	51	c	c-by	5.0	(Margate	-	63	57	c	b	2.4
	Stonehaven	-	59	50	bg	og	0.5	Ramsgate	-	62	56	"	"	2.5
	Carnoustie	-	62	52	"	"	0.1	Folkestone	-	65	58	bc.o	o.be	2.5
	St. Andrews	-	64	54	o	bc	7.5	Hythe	-	"	"	"	"	8.5
Eng. N.E.	(Harrogate	-	65	52	b.bc	c.bc	4.1	Littlestone	-	"	"	"	"	8.5
	Scarborough	-	64	54	bc	bc	4.4	Hastings	-	68	55	b	b	11.4
England, N.W.	(Douglas	-	69	52	g	bc.gt	1.5	Bexhill-on-Sea	-	68	56	b	b.bc	11.3
	Blackpool	-	72	56	o.c	cm	5.3	Eastbourne	-	68	56	b	bc.b	12.7
	Southport	-	73	55	o.bcy	bc.o.be	5.0	Seaford	-	71	53	bc	b	9.4
Mid- lands.	(Buxton	-	67	51	bc	bc.b	3.6	Brighton	-	73	56	c.bc.b	bc.c	11.5
	Leamington Spa	-	70	53	c.b	bc	7.6	Worthing	-	71	54	b	b	11.5
	Malvern	-	"	"	"	"	9.1	Littlehampton	-	"	"	"	"	11.8
	(Rhyl	-	71	58	b	bc	4.1	Southsea	-	72	55	b	b	12.2
Wales.	Colwyn Bay	-	72	57	b	b	4.0	Ryde	-	"	"	"	"	
	Llandudno	0.02	71	59	c.b	b	4.1	Ventnor	-	"	"	"	"	
	Bettws-y-Coed	-	76	56	o.c.b	bc.o	6.7	Bournemouth	-	72	54	c.bc	bc.c	5.0
	Aberystwyth	-	"	"	"	"		Weymouth	-	72	57	c.bc	bc.coy	3.6
England, E.	(Lowestoft	-	61	56	od.c.bc	bc.c	3.4	Exmouth	-	69	50	b	b	2.4
	Felixstowe	-	62	57	m.oc	c.bc	1.6	Teignmouth	-	65	60	op	bc.o	0.4
	Walton-on-Naze	-	60	54	o.c	c.bc	1.5	Torquay	0.02	66	59	p.o	o	0.4
	Southend-on-Sea	-	63	57	bc	bc.c	1.0	Paignton	0.03	65	59	o.c	o	0.4
							Falmouth	-	"	"	"	"		
							Bude	-	68	58	bcy	bc.b	4.4	
							Ilfracombe	-	73	55	c.bc.b	bc.b	4.4	
						(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.	F.°	F.°	F.°	Night Min. on Grass.	Night.		Fore-noon.	After-noon.
			Max.	Min.																	
			24 HOURS ENDED 9 A.M. TO-DAY.																		
%	%	F.°	F.°	F.°	In.				Hr.		F.°	F.°	F.°								
Greenwich (Royal Obs.) ...	74	85	65	52	46	-	o	o	bc.b.c.o	0.0	Dublin to 4 p.m.	-	?	52	49	bm.o	em	bm			
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	0.0	Plymouth to 9 p.m.	0.09	66	57	55	bcy	tl.o.q.	o			
Westminster (St. James's Pk.)	85	89	64	55	50	-	o	o	o.b.c.o	0.0	Darwen "	-	69	56	51	bcw	og.b	bc			
Camden Sq. (Brit. Rainfall)	69	83	68	53	51	-	o	c.o	o.b.c.o	0.1	Manchester "	-	71	57	a	bc.b	b	b.b.c			
Hampstead (Reservoir) ...	*	88	62	52	45	-	o	o	o	0.0	Birmingham "	-	70	54	51	o	o	c			
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.										69	53	48	bm.c.o	c.o	bc.o			
			Total.		Mean Rate.		Max. Rate.														
S. Kensington (Roof of M.O.)	78	87	44.7 Joules.		8.0 Milliwatts.		41.5 Milliwatts.		0.0	S. Kensington (Museum Grounds to 6 p.m.)	-	64	57	52	o	o	o				

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

31st July - 1st Aug 1913.		Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T.	4.10	11.59	7.49
	4.13	11.59	7.45	
Greenwich ...	4.25	12.6	7.49	
	4.24	12.6	7.48	
Wick ...	4.1	12.15	8.35	
	4.3	12.18	8.33	
Valencia ...	5.1	12.47	8.33	
	5.3	12.47	8.32	

NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature rose to 76° at Aberystwyth and to about 70° at some other stations in the west, as well as on coasts of Sussex and Hampshire. Some rain fell locally in the extreme south west, and lightning was observed at Jersey. Much bright sunshine was recorded on the coast of Sussex, and a considerable amount at some stations in the Midland Counties, the east of Scotland and in central Ireland. In the west and southwest the figure was lower than of late.

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 wrapping.

ADDITIONS AND CORRECTIONS
TO THE
DAILY WEATHER REPORT.

JULY, 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.						Sun- shine for Yester- day. Hours.
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Sea (0 to 9).	Rain- fall.	TEMP.		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.			
In.	"					In.	In.	"	"					In.	"	"							
2nd.	Lorient	30.19	68	NE	4	b	30.30	.	58	-3	NE	4	b	2	-	74	54	.	.	.			
"	Lisbon	30.00	61	WNW	4	b	30.01	+0.2	69	+5	WSW	2	bc	2	-	75	59	.	.	.			
"	Sancti Spiritus	29.97	71	SE	2	b	30.00	.	63	-4	SE	1	b	1	-	87	63	.	.	.			
"	Funchal	30.10	77	NE	3	b	30.10	-0.2	74	-8	NE	3	c	2	-	86	63	.	.	.			
3rd.	Lisbon	30.04	62	WSW	4	b	30.07	+0.2	63	-6	SW	3	o	2	-	72	61	.	.	.			
5th.	Lisbon	30.08	64	W	4	b	30.06	+0.2	65	-1	SSW	3	o	2	-	73	63	.	.	.			
7th.	Lisbon	30.01	65	W	4	b	30.03	+0.2	64	0	NW	4	c	2	-	72	59	.	.	.			
8th.	The Hebrides	29.87	55	WNW	3	c	29.89	.	54	-1	W	4	c	3	0.04	57	52	.	.	.			
"	Lorient	30.01	59	NW	4	c	30.06	.	52	-4	NW	3	o	3	-	66	48	.	.	.			
"	Sancti Spiritus	30.14	61	NW	3	b	30.26	0.0	59	+1	N	1	b	5	-	63	54	.	.	.			
10th.	Sancti Spiritus	30.08	68	W	4	m	30.04	.	68	+4	E	2	c	4	-	72	61	.	.	.			
11th.	Funchal	30.16	69	NNE	3	b	30.11	-0.1	69	0	NNE	3	o	3	-	72	55	.	.	.			
12th.	Spitzbergen	30.17	44	-	0	o	30.11	-0.1	36	-4	-	0	o	.	-	45	36	.	.	.			
"	Lorient	30.04	62	W	4	bc	30.03	.	55	-2	NW	1	b	1	-	64	50	.	.	.			
13th.	Spitzbergen	30.01	41	-	0	r	30.01	.	39	+3	S	5	o	.	-	.	.	.	.	.
14th.	Lorient	29.99	71	W	1	b	29.97	.	57	0	NE	1	b	2	-	73	52	.	.	.			
15th.	Sancti Spiritus	29.86	72	NE	2	b	29.84	-0.2	72	+1	W	2	b	1	-	88	59	.	.	.			
16th.	Lisbon	30.10	61	WNW	4	b	30.04	+0.2	66	+2	N	3	bc	2	-	68	57	.	.	.			
18th.	Sancti Spiritus	29.91	68	W	3	m	29.98	.	68	-2	SW	2	m	4	-	77	61	.	.	.			
19th.	Sancti Spiritus	29.81	65	SE	2	b	29.90	+0.4	66	-4	N	2	b	1	0.04	77	46	.	.	.			
21st.	Sancti Spiritus	29.72	61	S	3	b	29.81	+0.2	61	+4	E	3	bc	0	-	64	55	.	.	.			
"	Sancti Spiritus	29.65	56	NW	3	o	29.76	+0.3	60	+5	NNE	1	b	2	0.91	61	45	.	.	.			
"	Lisbon	29.96	86	WSW	2	b	29.96	+0.2	84	+2	NW	1	o	2	-	100	73	.	.	.			
22nd.	Lisbon	30.02	74	NW	3	b	30.05	+0.4	73	-11	NW	1	c	2	-	93	66	.	.	.			
23rd.	Lisbon	30.01	79	NW	3	b	29.96	-0.1	76	+3	N	3	b	2	-	91	70	.	.	.			
25th.	Lisbon	30.01	79	NW	3	b	30.30	+0.3	58	+2	E	2	b	1	-	63	52	bc.	b.	bm.			
"	Funchal	30.00	71	W	1	b	29.97	0.0	72	0	W	1	c	1	-	77	59	.	.	.			
26th.	Lisbon	30.00	71	W	1	b	30.28	+0.1	58	0	-	0	bm	1	-	63	53	bm	bm	bm.			
"	Lisbon	30.00	71	W	1	b	30.26	-0.1	50	+1	E	1	o	1	-	.	.	.	.	.
"	Sancti Spiritus	29.96	59	NNE	4	b	30.12	.	59	-4	NE	4	b	.	-	.	.	.	.	.
"	Lorient	29.95	73	E	3	o	30.04	.	62	+3	ENE	2	o	2	-	73	59	.	.	.			
"	Sancti Spiritus	29.93	60	-	0	o	30.03	.	60	+7	NE	1	m	.	-	73	58	.	.	.			
"	Lisbon	29.93	67	SW	4	bc	30.00	+0.5	68	+2	SSW	4	bc	2	trace	73	64	.	.	.			
"	Funchal	29.96	73	W	1	bc	29.96	+0.3	74	+2	W	1	b	1	-	75	61	.	.	.			
28th.	Brussels	30.16	68	NNE	3	bc	30.19	+0.4	57	-3	NE	1	f	.	-	77	56	.	.	.			
"	Funchal	30.12	65	-	0	b	30.11	0.0	65	+2	NE	2	f	.	-	79	54	.	.	.			
"	Lisbon	30.06	67	NW	4	b	30.06	+0.2	67	-3	WNW	4	b	5	-	79	61	.	.	.			
"	Funchal	30.15	71	W	1	b	30.16	0.0	72	-2	W	1	b	2	-	75	57	.	.	.			
30th.	Lisbon	30.00	71	W	1	b	29.90	.	62	+2	NE	3	om	3	0.06	75	57	bm.	bm.	bm.			
"	Sancti Spiritus	29.84	73	NE	3	o	29.86	.	64	+3	W	3	o	1	0.04	82	57	.	.	.			
"	Lisbon	29.90	75	N	2	m	29.86	.	75	+2	E	3	m	2	-	77	68	.	.	.			
31st.	Lorient	29.92	67	SSW	3	bc	29.90	.	59	-5	NNE	3	c	1	-	75	57	.	.	.			
"	Lisbon	30.22	66	WNW	2	b	29.94	+0.1	66	-1	NW	3	bc	2	-	73	63	.	.	.			
"	Funchal	30.24	74	NNE	2	b	30.23	-0.1	73	0	NNE	2	bc	2	-	75	59	.	.	.			

REPORTS FOR JULY, 1913.

2.—CORRECTIONS.

[illegible]

WIRELESS TELEGRAMS.

ADDITIONS AND CORRECTIONS — JULY, 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	30th, 7am			<u>Benominee</u>					4	
											"	" bpm			<u>do</u>		30.43		ESE	3	
											8th	7th, 7am			<u>Caronia</u>		30.36				
											"	" bpm			<u>do</u>		30.42				C
											"	"			<u>Munichaba</u>		30.43	+0.4			
											9th	8th, 7am			<u>Caronia</u>		30.33				0
											11th	11th, "			<u>Oceanic</u>						dp
											21st	20th, bpm	11		<u>Barmania</u>		30.32				
											22nd	21st, 7am			<u>do</u>		30.22				
											23rd	22nd, "			<u>Caronia</u>		30.31				
											"	" bpm			<u>do</u>			-0.1			
											"	23rd, 7am			<u>do</u>		30.35				
											25th	24th, "			<u>Oceanic</u>						eq
											"	25th, "			<u>do</u>				ENE		
											31st	30th, "			<u>Tunisian</u>		30.08	+0.8			0
											"	" bpm			<u>do</u>						0

BRITISH ISLANDS.

ICELAND, FAEROE, &c.

SCANDINAVIA

GERMANY, &c.

FRANCE

SPAIN, PORTUGAL, &c.