

METEOROLOGICAL OFFICE.

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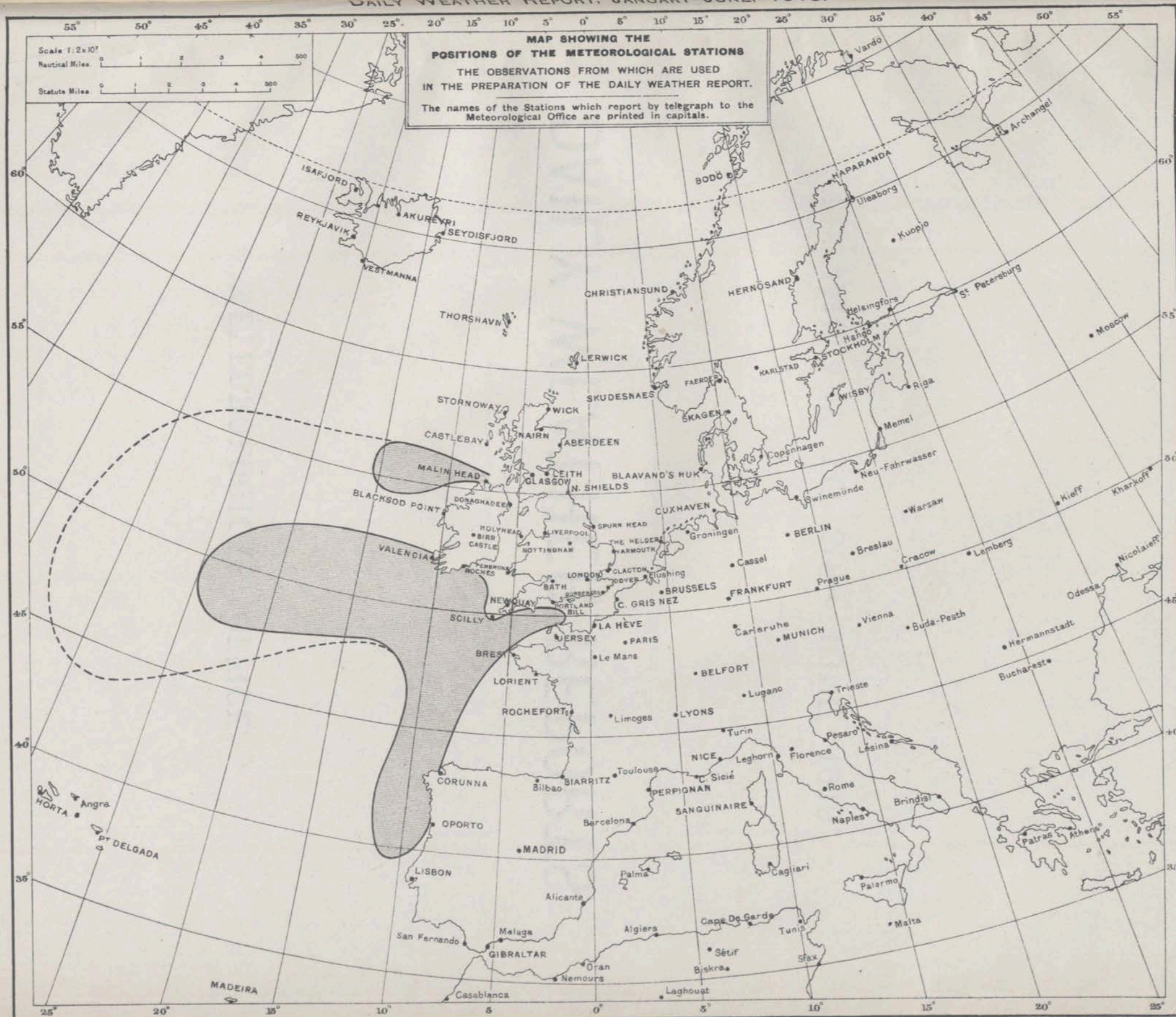
# DAILY WEATHER REPORTS.

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1ST JANUARY TO 30TH JUNE 1913.



DAILY WEATHER REPORT, JANUARY-JUNE, 1910.



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



# DAILY WEATHER REPORT. APPENDIX I.

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

### FIRST QUARTER, JANUARY TO MARCH.

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

JANUARY.

FEBRUARY.

MARCH.

STATIONS.	PRESSURE. 1906-1910. 7 a.m. Observations (reduced to M.S. Level and to Lat. 45°).	AIR TEMPERATURE.								RAINFALL. 1876-1910.		BRIGHT SUNSHINE. 1881-1910.	
		Means of				Absolute Extremes.							
		1906-1910.		1876-1910.		1876-1910.							
		Dry Bulb 7 a.m.	Wet Bulb 7 a.m.	Daily Maximum.	Daily Minimum.	Maximum.		Minimum.					
						Temp.	Year.	Temp.	Year.				
Sumburgh Head .....	In. 29.686	39.1	37.6	42.5	35.4	62	1898	0	1910	27	In. 3.94	Hr. 28	% 13
Stornoway .....	29.771	40.3	39.2	43.5	34.5	55	1890	11	1881	25	5.06	28	13
Castlebay (Barra Isd.) ..	[29.812]44	[43.2]44	[41.4]44	[46.0]44	[38.7]44	[52]44	[1908, 09, 10]44	[28]44	[1910]44	[37]44	[3.39]44	[36]44	[16]44
Malin Head .....	29.878	41.8	40.9	44.5	37.5	[56]	[1898]44	[23]44	[1894]44	[32]44	[2.74]44	—	—
Blackod Point .....	29.961	44.6	42.7	46.5	38.8	[56]	[1890]44	[26]44	[1891, 94]44	[26]44	[5.15]44	—	—
Valencia .....	30.069	44.4	42.4	48.8	40.0	66	1876, 78	20	1894	23	5.52	48	19
Roche's Point .....	30.089	43.0	42.1	47.5	39.3	57	1889	20	1894	20	4.39	—	—
Birr Castle .....	30.038	39.3	38.4	45.1	34.1	57	1880, 98	6	1881, 94	20	2.74	50	20
Donaghadee .....	29.988	40.4	39.7	44.6	36.1	58	1898	14	1881	20	2.59	—	—
Liverpool (Observatory) ..	30.042	38.3	37.5	43.1	35.0	58	1898	9	1881	17	2.69	[79]44	[32]44
Holyhead .....	30.029	42.4	41.0	45.1	38.2	54	1899	20	1894	19	2.90	—	—
Pembroke (St. Ann's Hd.) ..	30.074	42.9	41.2	45.7	39.2	53	1899, 1907	19	1881, 94, 07	19	3.20	55	22
Scilly (St. Mary's) .....	30.280	45.7	43.2	49.0	42.5	57	1899	25	1894	20	2.97	60	23
Jersey (St. Aubin's) .....	30.170	42.7	40.9	46.3	38.4	57	1877, 99	12	1891	20	2.92	69	26
Portland Bill .....	30.076	42.9	41.6	45.2	38.2	[52]44	[1901, 03, 05]44	[23]44	[1907]44	16	2.20	—	—
Dunegness .....	30.081	39.2	37.9	43.5	34.6	55	1878, 98	11	1893	16	[1.82]44	—	—
Dover .....	[30.002]44	[37.2]44	[36.1]44	[43.1]44	[33.1]44	[53]44	[1908]44	[17]44	[1910]44	[14]44	[1.92]44	[84]44	[33]44
Wick .....	29.763	37.3	36.1	42.4	33.0	60	1898	—	1881	21	2.42	—	—
Nairn .....	29.811	37.5	36.1	42.6	31.9	59	1887	4	1910	18	1.98	[47]**	[21]**
Aberdeen .....	29.857	36.7	35.2	42.1	33.0	59	1898	4	1881	18	2.09	51	23
Leith .....	29.901	39.5	37.6	44.0	33.8	58	1898	9	1881	15	1.73	—	—
North Shields .....	29.951	38.2	37.0	43.3	33.5	58	1890, 98	6	1881	14	1.53	—	—
Spurn Head .....	29.906	37.7	36.7	41.9	34.6	[55]*	[1898]*	[13]*	[1881]*	15	1.20	—	—
Yarmouth .....	30.042	37.3	36.1	41.5	33.4	57	1899	10	1881	17	1.59	[70]44	[32]44
Clacton-on-Sea .....	30.084	37.2	36.2	41.5	33.0	[54]44	[1901, 05]44	[21]44	[1907]44	15	1.26	[77]*	[30]*
Nottingham .....	30.047	36.7	35.6	42.4	32.3	58	1877	2	1881	19	1.77	[43]44	[17]44
Bath .....	30.113	38.5	37.4	44.2	33.6	[57]44	[1883]44	[11]44	[1881]44	16	2.33	46	18
Oxford .....	30.121	37.1	35.7	42.9	33.0	60	1877, 90, 1906	1	1881	15	1.79	51	20
LONDON { Westminster .....	30.092	38.5	37.1	[44.6]*	[34.0]*	[56]*	[1910]*	[20]*	[1908]*	[12]*	[1.50]*	22	9
LONDON { Kew .....	30.110	38.0	36.3	42.8	34.2	56	1877, 1910	9	1881	15	1.70	44	17
Sumburgh Head .....	29.693	37.9	36.5	41.8	34.2	53	1910	17	1895	22	2.98	60	23
Stornoway .....	29.690	38.5	37.5	43.8	34.0	55	1891	12	1892	22	4.28	—	—
Castlebay (Barra Isd.) ..	[29.772]44	[42.7]44	[40.9]44	[45.7]44	[39.0]44	[50]44	[1909]44	[29]44	[1908]44	[33]44	[3.38]44	[51]44	[29]44
Malin Head .....	29.777	40.8	39.8	44.4	37.2	[59]44	[1891]44	[20]44	[1895]44	[19]44	[2.31]44	—	—
Blackod Point .....	29.879	43.0	41.1	46.6	38.1	[61]44	[1891]44	[24]44	[1902]44	[22]44	[3.80]44	—	—
Valencia .....	29.969	43.4	41.2	49.1	39.9	58	1891	22	1895	22	4.96	71	26
Roche's Point .....	29.967	42.1	41.6	48.0	39.3	56	1877, 89, 96	25	1895, 1900, 02	18	3.83	—	—
Birr Castle .....	29.927	38.5	37.5	46.8	34.6	59	1891	6	1895	17	2.24	67	25
Donaghadee .....	29.858	39.4	38.3	44.2	35.6	57	1897, 1903	13	1895	18	2.31	—	—
Liverpool (Observatory) ..	29.895	37.8	36.2	44.2	33.1	57	1878	12	1895	16	1.76	[88]44	[32]44
Holyhead .....	29.890	41.3	40.1	45.3	38.0	56	1891	17	1895	17	2.44	—	—
Pembroke (St. Ann's Hd.) ..	29.934	42.0	40.4	45.6	39.0	56	1903	23	1895	17	2.57	77	28
Scilly (St. Mary's) .....	30.189	44.7	42.1	49.0	42.1	57	1896, 99	27	1895	18	2.57	87	31
Jersey (St. Aubin's) .....	30.022	42.0	39.8	47.1	38.8	62	1891	18	1895	18	2.51	92	33
Portland Bill .....	29.928	41.5	40.1	45.7	38.4	[54]44	[1903]44	[25]44	[1900]44	13	1.87	—	—
Dunegness .....	29.932	38.0	36.7	44.2	35.2	57	1897	11	1889	15	[1.40]44	—	—
Dover .....	[29.982]44	[38.0]44	[36.8]44	[44.8]44	[34.6]44	[55]44	[1909]44	[26]44	[1909]44	[17]44	[1.42]44	[83]44	[33]44
Wick .....	29.692	36.8	35.3	42.8	32.6	59	1878	2	1895	19	2.24	—	—
Nairn .....	29.715	36.3	34.9	43.6	31.5	64	1891	0	1895, 97	16	1.73	[85]**	[29]**
Aberdeen .....	29.759	37.0	35.4	43.1	33.1	64	1897	6	1895	17	2.11	76	29
Leith .....	29.777	38.1	36.1	45.3	33.8	59	1882	12	1895	14	1.45	—	—
North Shields .....	29.813	37.1	35.8	44.3	33.4	60	1898, 99	7	1895	14	1.43	—	—
Spurn Head .....	29.850	37.5	36.4	42.8	35.4	[61]*	[1899]*	[20]*	[1895]*	13	1.26	—	—
Yarmouth .....	29.898	37.1	35.8	42.6	33.9	58	1898	15	1895	16	1.58	[81]44	[30]44
Clacton-on-Sea .....	29.933	36.8	35.8	43.1	34.1	[58]44	[1903]44	[20]44	[1901]44	12	1.35	[86]*	[31]*
Nottingham .....	29.890	36.5	35.2	44.6	33.3	61	1890	2	1895	17	1.61	[62]44	[23]44
Bath .....	29.905	37.4	36.4	46.2	34.3	[62]44	[1899]44	[16]44	[1902]44	14	2.12	73	26
Oxford .....	29.905	36.7	35.2	45.2	34.0	64	1891	7	1895	14	1.69	76	25
LONDON { Westminster .....	29.940	38.0	36.5	[46.0]*	[35.3]*	[56]*	[1909, 10]44	[23]*	[1909]44	[15]*	[1.28]*	37	13
LONDON { Kew .....	29.958	37.4	35.6	44.8	35.1	62	1899	11	1895	14	1.59	60	23
Sumburgh Head .....	29.773	37.8	36.4	42.6	34.1	57	1893	18	1879	25	2.95	—	—
Stornoway .....	29.824	38.4	37.4	45.0	34.1	57	1894, 1907	13	1881	23	3.90	104	29
Castlebay (Barra Isd.) ..	[29.796]44	[41.0]44	[39.3]44	[45.0]44	[33.2]44	[50]44	[1908]44	[28]44	[1909]44	[24]44	[2.47]44	[102]44	[28]44
Malin Head .....	29.850	40.5	39.5	45.9	37.7	[62]44	[1894]44	[25]44	[1900]44	[20]44	[2.35]44	—	—
Blackod Point .....	29.904	43.0	41.3	47.9	38.7</								



# DAILY WEATHER REPORT. APPENDIX I.

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

### SECOND QUARTER, APRIL TO JUNE.

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

STATIONS.	PRESSURE. 1906-1910.  7 a.m. Observations (reduced to M.S. Level and to Lat. 46°).	AIR TEMPERATURE.								RAINFALL. 1876-1910.  Days with Rain. Total Fall.		BRIGHT SUNSHINE. 1881-1910.  Average Duration. Per Centage of Possible Duration.	
		Means of				Absolute Extremes.							
		1906-1910.		1876-1910.		1876-1910.							
		Dry Bulb 7 a.m.	Wet Bulb 7 a.m.	Daily Maximum.	Daily Minimum.	Maximum.		Minimum.					
						Temp.	Year.	Temp.	Year.				
Sumburgh Head.....	In. 29'844	39'8	38'2	45'9	36'9	59	1901	21	1899	19	In. 2'02	—	% —
Stornoway.....	29'865	40'6	39'2	49'1	37'2	67	1893	20	1881	18	2'77	159	37
Castlebay (Barra Isd.)..	[29'876]44	[42'3]44	[40'5]44	[47'2]44	[39'7]44	[54]44	[1908]44	[27]44	[1908]44	[21]44	[3'26]44	[177]44	[42]44
Malin Head.....	29'867	42'3	40'9	[49'4]44	[40'7]44	[67]44	[1900]44	[26]44	[1908]44	[19]44	[1'00]44	—	—
Blackod Point.....	29'914	45'0	43'0	[51'4]44	[41'9]44	[71]44	[1893]44	[29]44	[1897]44	[20]44	[2'05]44	—	—
Valencia.....	29'655	44'9	43'0	53'4	42'5	70	1892	30	1879, 92, 97, 98, 00	20	3'03	159	39
Roche's Point.....	29'667	44'2	43'1	52'9	42'2	72	1893	29	1908	16*	3'14	—	—
Birr Castle.....	29'940	42'7	41'3	54'0	38'1	73	1893	21	1892	18	2'21	153	37
Donaghadee.....	29'933	41'5	40'1	50'7	40'1	67	1909	28	1908	18	2'07	—	—
Liverpool (Observatory).....	29'936	42'3	40'2	52'3	40'1	75	1893	28	1908	14	1'09	[175]44	[42]44
Holyhead.....	29'926	44'1	42'4	51'0	41'4	75	1893	30	1908	15	2'14	—	—
Pembroke (St. Ann's Hd.).....	29'929	43'2	42'0	50'3	41'9	70	1893	29	1908	15	2'11	178	43
Selly (St. Mary's).....	30'066	45'9	44'0	52'6	44'7	66	1893	32	1876	16	2'13	181	44
Jersey (St. Aubin's).....	29'961	46'2	43'9	54'3	43'6	77	1893	32	1876, 92, 99, 03, 08, 10.	15	2'13	193	47
Portland Bill.....	29'938	44'1	42'3	51'7	42'3	[65]44	[1901, 04]44	[30]44	[1908]44	13	1'65	—	—
Dunegness.....	29'922	43'8	42'2	51'5	40'7	67	1901	24	1903	13	[1'94]44	—	—
Dover.....	[29'944]44	[43'9]44	[42'3]44	[52'0]44	[39'6]44	[65]44	[1909]44	[29]44	[1908]44	[16]44	[1'94]44	[200]44	[40]44
Wick.....	29'859	40'3	38'5	49'1	36'7	69	1900	20	1905	18	1'96	—	—
Nairn.....	29'872	39'7	37'5	51'4	38'0	71	1900	18	1908	18	1'45	[144]**	[34]**
Aberdeen.....	29'890	41'3	39'6	49'5	37'6	74	1900	22	1908	18	2'00	157	37
Leith.....	29'904	42'2	40'0	52'2	37'8	73	1900	17	1908	14	1'40	—	—
North Shields.....	29'915	41'0	39'4	49'9	37'7	71	1892	23	1908	15	1'03	—	—
Spurn Head.....	29'909	42'4	41'0	49'2	40'0	[67]*	[1885]*	[30]*	[1881, 89, 93, 05]*	14	1'10	—	—
Yarmouth.....	29'921	42'8	40'7	49'4	39'7	72	1885	25	1878	15	1'61	[200]44	[50]44
Clacton-on-Sea.....	29'936	43'4	41'5	50'7	40'1	[69]44	[1907, 09]44	[20]44	[1903]44	12	1'50	[185]44	[46]44
Nottingham.....	29'937	42'5	39'8	54'1	37'9	79	1876	29	1888	16	1'03	[152]44	[37]44
Bath.....	29'980	42'7	40'9	54'8	38'7	[74]44	[1901]44	[26]44	[1906, 08]44	13	2'17	149	36
Oxford.....	29'985	43'7	41'1	54'9	38'6	80	1893	23	1892	14	1'73	153	37
LONDON { Westminster.....	29'941	43'0	41'2	[54'9]44	[40'3]44	[72]44	[1907]44	[20]44	[1910]44	[10]44	[1'80]44	121	29
LONDON { Kew.....	29'967	42'5	40'3	54'7	39'5	73	1900, 01	27	1887, 91	13	1'06	153	37
Sumburgh Head.....	29'904	43'8	42'1	49'9	40'2	63	1895	27	1877	18	1'91	—	—
Stornoway.....	29'893	46'4	44'5	53'3	41'2	75	1908	26	1906	19	2'53	192	37
Castlebay (Barra Isd.)..	[29'940]44	[48'2]44	[46'1]44	[58'7]44	[45'3]44	[70]44	[1908, 10]44	[32]44	[1909]44	[21]44	[2'45]44	[220]44	[44]44
Malin Head.....	29'888	46'9	46'0	[54'1]44	[44'9]44	[73]44	[1908]44	[35]44	1886, 91, 97, 04, 06, 10	[18]44	[2'10]44	—	—
Blackod Point.....	29'899	49'3	47'5	[55'9]44	[45'9]44	[75]44	[1890]44	[34]44	[1910]44	[19]44	[2'87]44	—	—
Valencia.....	29'915	50'1	48'1	57'6	46'0	74	1884, 95, 97	34	1877, 85, 96	18	3'15	207	43
Roche's Point.....	29'938	49'7	48'2	57'7	46'3	73	1896	35	1909	15	2'59	—	—
Birr Castle.....	29'925	50'1	48'0	59'6	42'5	77	1881, 95	28	1877	15	2'29	185	38
Donaghadee.....	29'929	46'8	45'3	55'8	44'0	70	1896	33	1909	16	2'35	—	—
Liverpool (Observatory).....	29'946	49'1	46'7	58'0	45'0	80	1895	30	1883	15	1'99	[239]44	[40]44
Holyhead.....	29'927	49'7	48'0	55'8	45'6	74	1895	37	1894, 03, 07, 09	14	1'97	—	—
Pembroke (St. Ann's Hd.).....	29'926	48'5	47'3	55'0	45'9	72	1890, 1910	34	1879	14	1'94	219	46
Selly (St. Mary's).....	30'054	50'2	48'6	56'4	48'2	67	1896	38	1883	13	1'74	231	49
Jersey (St. Aubin's).....	29'976	52'4	49'9	59'5	47'9	78	1908	35	1905, 06	13	1'90	244	52
Portland Bill.....	29'951	49'7	48'1	56'8	46'5	[72]44	[1910]44	[36]44	[1902]44	12	1'47	—	—
Dunegness.....	29'951	50'3	48'7	57'3	46'0	[74]44	1892	30	1892, 02	12	[1'94]44	—	—
Dover.....	[29'944]44	[51'6]44	[49'1]44	[58'9]44	[45'7]44	[77]44	[1909]44	[36]44	[1909, 10]44	[12]44	[1'76]44	[256]44	[52]44
Wick.....	29'897	45'8	43'6	53'8	40'6	71	1891	24	1876	18	2'05	—	—
Nairn.....	29'897	46'4	44'1	55'6	40'9	78	1888	26	1894	18	1'75	[177]**	[35]**
Aberdeen.....	29'923	47'5	45'3	54'6	41'7	75	1902	29	1884, 91	17	2'27	187	37
Leith.....	29'914	48'0	45'6	57'4	42'5	81	1881	27	1883	15	1'83	—	—
North Shields.....	29'932	48'1	46'1	54'5	42'3	73	1903	29	1891, 09	14	1'91	—	—
Spurn Head.....	29'935	49'2	47'2	54'6	45'0	[75]*	[1883]*	[34]*	[1891]*	13	1'61	—	—
Yarmouth.....	29'950	50'2	47'6	55'3	44'9	75	1909	32	1891, 92	14	1'80	[261]44	[54]44
Clacton-on-Sea.....	29'961	50'7	48'4	56'7	45'1	[75]44	[1909]44	[31]44	[1902]44	10	1'38	[231]44	[48]44
Nottingham.....	29'953	49'7	48'0	60'2	42'8	82	1895	25	1879	16	1'95	[174]44	[36]44
Bath.....	29'973	50'9	48'6	61'2	43'8	[79]44	[1884, 1909]44	[29]44	[1902]44	13	2'03	211	44
Oxford.....	29'976	51'9	48'6	60'9	43'7	85	1895	28	1877	13	1'85	195	41
LONDON { Westminster.....	29'958	51'2	48'6	[62'3]44	[46'7]44	[81]44	[1909]44	[33]44	[1906]44	[12]44	[1'51]44	171	36
LONDON { Kew.....	29'973	50'7	48'0	61'1	44'5	84	1895	30	1877	13	1'76	201	42
Sumburgh Head.....	29'924	48'0	46'7	54'0	44'9	70	1891	33	1888	15	1'71	—	—
Stornoway.....	29'951	51'0	48'6	58'4	46'3	76	1893, 02, 05	31	1888	16	2'42	179	34
Castlebay (Barra Isd.)..	[29'910]44	[51'0]44	[49'6]44	[57'2]44	[46'1]44	[71]44	[1908, 10]44	[44]44	[1908, 10]44	[14]44	[1'94]44	[209]44	[40]44
Malin Head.....	29'947	51'5	50'3	[58'8]44	[49'3]44	[78]44	[1905]44	[40]44	[1902, 07]44	[10]44	[2'16]44	—	—
Blackod Point.....	29'963	53'6	51'7	[60'8]44	[51'0]44	[82]44	[1887]44	[40]44	[1894, 07]44	[17]44	[2'78]44	—	—
Valencia.....	30'014	54'2	52'2	62'2	51'0	81	1887, 02	38	1903	17	3'37	190	39
Roche's Point.....	30'016	54'3	52'5	63'0	51'4	80	1876, 87	41	1881	13	3'05	—	—
Birr Castle.....	29'999	54'4	52'3	64'9	48'7	85	1887	32	1881	15	2'45	165	38
Donaghadee.....	29'985	51'4	49'8	60'9	49'2	77	1887	36	1880	15	2'34	—	—
Liverpool (Observatory).....	29'994	53'5	51'1	63'7	51'1	85	1878, 93	40	1903, 07	14	2'25	[198]44	[40]44
Holyhead.....	29'980	53'8	52'3	61'2	50'8	83	1878	42	1882	14	2'25	—	—
Pembroke (St. Ann's Hd.).....	29'992	52'7	51'4	60'1	51'4	79	1893	38	1888	13	2'04	223	46
Selly (St. Mary's).....	30'125	54'4	52'6	61'3	53'2	75	1893	41	1888	14	1'78	238	49
Jersey (St. Aubin's).....	30'050	56'7	54'3	64'8	52'9	84	1878, 93	39	1890	12	2'09	239	50
Portland Bill.....	29'987	54'1	52'4	61'9	52'1	[78]44	[1903]44	[43]44	[1903]44	10	1'51	—	—
Dunegness.....	29'987	55'3	53'1	62'8	52'0	77	1878	37	1890, 1, 2, 3, 09	12	[1'66]44	—	—
Dover.....	[29'990]44	[56'8]44	[53'4]44	[63'1]44	[50'4]44	[80]44	[1908]44	[39]44	[1909]44	[14]4			



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Sunday  
1 June 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 38° Fahr. and M.S.L. Lat. 45°	Dry Bulb.	Direc.	Force (0 to 12).	Weather.	At 32° Fahr. and M.S.L. Lat. 45°	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.	Direc.	Force (0 to 12).	Weather.			Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n 1 p.m. to 6 p.m.	Night 6 p.m. to 7 a.m.				
BRITISH ISLANDS.	Lerwick ... ..	29.63	52	SSE	4	c	29.63	+0.1	48	-4	S	5	r	5	0.05	54	47	bcn	c	c-ry	Hours		
	Stornoway ... ..	29.57	51	SW	7	cq	29.78	+0.7	48	-3	WNW	4	r	3	0.11	54	46	c-ry	opcy	opcy	4.0		
	Castlebay (Barra Isd.)	29.65	51	SW	5	c	29.83	+0.2	48	-2	W	4	op	3	0.04	53	46	bc	c	c-ry	10.0		
	Glasgow ... ..	29.76	55	WSW	4	bc	29.93	+0.5	49	+2	WSW	4	bc	*	-	58	46	oc/bc	b	c-o-c	8.6		
	Malin Head... ..	29.71	53	W	6	bcq	29.89	+0.6	49	+1	W	4	cmq	3	0.01	55	47	bcn	bcq	bcn	*		
	Blacksod Point ... ..	29.76	54	WSW	4	bc	29.94	+0.2	52	+2	W	3	bc	2	trace	55	47	bcq	bcq	bc	*		
	Valencia ... ..	29.83	53	W	2	bc	30.02	+0.3	47	-1	-	0	b	3	0.01	56	39	c	bc	bc	9.4		
	Roche's Point ... ..	29.83	55	SSW	2	b	30.04	*	48	-2	WSW	1	b	2	0.01	57	44	bc/b	b	bc/b	*		
	Birr Castle ... ..	29.81	54	NW	1	c	29.99	*	48	-1	S	1	bc	*	0.02	59	39	cp	cp	bcn	8.9		
	Donaghadee ... ..	29.76	55	SSW	3	bc/b	29.96	+0.5	46	-1	WSW	2	bc	2	0.05	58	44	bc	bc	bc	*		
IRELAND, FAEROE, &c.	Liverpool Obsy. ... ..	29.88	55	-	0	bc	30.05	+0.3	51	-1	S	1	b	2	0.19	60	45	bc/bc	bc/bc	b	6.3		
	Holyhead ... ..	29.83	53	SW	4	c	30.03	+0.4	51	0	SW	3	bc	2	trace	56	49	op/bc	c/bc	b	10.6		
	Pembroke (St. Ann's Hd.)	29.88	51	SW	3	bc	30.04	+0.4	52	+2	S	2	bc	3	trace	55	50	bcq	bcq	bc	11.7		
	Newquay ... ..	29.85	53	S	4	c	30.02	+0.4	55	+2	SE	1	b	3	0.02	58	43	bc/b	bc/bc	b	9.5		
	Scilly (St. Mary's) ... ..	29.89	56	S	2	bcn	30.01	+0.5	55	+6	ESE	1	bc	2	-	57	48	c	bcn	bc	12.4		
	Jersey (St. Aubin) ... ..	29.94	57	ESE	3	bc	30.02	*	59	+5	ESE	2	b	2	trace	60	44	c	bc/bc	bc	10.3		
	Portland Bill ... ..	29.93	54	SSE	3	b	30.05	+0.3	54	+1	NE	2	b	3	-	57	49	bc	bc	bc	*		
	Dungeness ... ..	29.98	56	S	2	bc	30.04	-0.1	57	+3	-	0	bc	2	-	58	52	oc/b	oc/bc	c/bc	*		
	Dover ... ..	29.96	53	SW	3	b	30.06	*	56	+4	-	0	c	3	-	59	46	oc	c/bc	bcq	5.7		
	SCANDINAVIA.	Wick ... ..	29.66	57	SW	5	bc	29.77	+0.9	49	-3	NNW	4	r	4	0.05	58	46	c/bq	bcq	op/bc	*	
Nairn ... ..		29.66	58	WSW	5	bc	29.79	*	53	-2	SW	4	bc	3	-	62	46	q/b	q/b	v/bc	14.2		
Aberdeen ... ..		29.73	54	S	3	c	29.87	+0.4	53	-1	SW	4	b	2	-	61	48	c/bq	bcq	bc/b	8.9		
Leith ... ..		29.75	59	WSW	3	bc	29.91	+0.6	54	+2	SW	4	b	*	-	62	48	c	c/bc	bc/b	*		
North Shields ... ..		29.81	57	SSW	2	c	30.00	+0.3	56	+6	SSW	3	bc	2	0.03	62	45	c	p	o	5.6		
Spurn Head ... ..		29.84	57	S	4	c	30.07	+0.6	53	0	WSW	3	b	2	-	61	46	bc	bc	bc/b	3.3		
Yarmouth ... ..		29.93	57	S	3	bc	30.09	+0.5	54	+3	W	1	bc	1	0.03	58	47	oc	c/bc	bc	2.4		
Clacton-on-Sea ... ..		29.93	58	SSW	4	bc	30.08	+0.4	57	+4	ESE	1	bc	0	-	60	49	o	oc/bc	bc	3.9		
Nottingham... ..		29.87	57	SW	4	c	30.07	*	51	0	W	1	bcn	*	-	62	41	c-o	c	bc/b	4.2		
Bath ... ..		29.92	58	SW	4	b	30.06	*	51	-3	NE	3	b	*	trace	62	40	a	a	*	19.7		
GERMANY, &c.	London (Kew Obsy.)... ..	29.96	62	SSW	3	bc	30.09	+0.3	54	0	-	0	bcn	*	-	64	43	c-o	oc/bc	bcn	6.6		
	Spitzbergen ... ..	30.03	30	SE	2	s	30.02	-0.2	31	+1	-	0	o	*	-	31	27						
	Isafjord... ..	29.86	35	N	8	o	29.81	+0.1	33	-3	N	7	b	*	-	*	*						
	Reykjavik ... ..	29.74	45	N	8	b	29.66	00	37	-2	-	0	b	*	-	*	*						
	Vestmanna ... ..	29.55	47	NNE	9	b	29.60	+0.1	41	-2	NE	6	b	0	-	*	*						
	Seydisfjord ... ..	29.51	45	N	3	c	29.56	+0.3	38	-2	SW	6	c	*	-	*	*						
	Thorshavn ... ..	29.23	49	SSW	5	m	29.57	+1.3	45	-2	NW	4	o	*	-	*	*						
	Haparanda ... ..	30.00	43	SW	2	f	29.95	-0.4	54	+9	S	4	b	*	-	?	39						
	Hernösand ... ..	29.88	53	SW	2	b	29.87	-0.0	57	-5	-	0	b	*	-	63	46						
	Stockholm ... ..	29.99	53	-	0	b	29.97	00	68	+8	SSW	2	b	*	-	70	50						
FRANCE.	Wisby ... ..	30.00	56	ESE	2	b	30.03	+0.2	71	+14	SSW	2	b	*	-	73	48						
	Karlstad ... ..	29.91	64	-	0	c	29.92	+0.2	59	+1	SW	4	o	*	0.08	73	57						
	Färder (X'ania Fjord)	29.88	59	SE	1	m	29.88	+0.3	55	-3	SW	5	o	3	0.12	61	54						
	Bodö ... ..	29.78	58	E	1	b	29.75	-0.2	49	-2	E	1	r	1	0.12	59	48						
	Christiansund ... ..	29.79	52	-	0	o	29.77	+0.1	50	-8	-	0	r	2	1.58	72	50						
	Skudesnaes ... ..	29.92	50	S	4	o	29.93	+0.1	51	-7	S	4	o	3	0.26	?	48						
	The Scaw (Skagen)... ..	29.91	57	WSW	1	c	30.01	+0.6	54	-2	WNW	4	c	1	0.08	64	50						
	Blaavands Huk ... ..	29.95	51	NNW	3	r	30.10	+0.5	56	-4	WSW	2	b	2	0.16	61	48						
	Cuxhaven ... ..	29.91	58	NW	5	o	30.13	+0.4	58	-14	W	2	b	0	-	72	52						
	The Helder ... ..	30.00	53	SW	3	c	30.13	+0.6	56	+1	SW	2	b	1	0.39	72	45						
PORTUGAL, &c.	Brussels ... ..	30.06	50	ESE	1	o	30.08	+0.1	56	+6	ESE	2	o	*	0.28	57	45						
	Berlin ... ..	29.88	68	SE	2	o	30.10	+0.4	59	-13	NW	2	o	*	0.12	86	59						
	Frankfurt ... ..	30.02	62	SW	1	r	30.06	+0.4	59	-10	NE	2	o	*	0.20	86	57						
	Munich ... ..	29.89	68	E	3	bc	29.98	+0.1	66	-2	NE	3	b	*	0.20	77	55						
	C. Gris Nez... ..	30.01	57	S	3	b	30.06	+0.2	58	+5	SSE	2	bc	1	-	61	50						
	La Hève ... ..	30.02	57	S	3	o	30.03	*	52	0	ESE	2	m	2	-	61	48						
	Brest (St. Mathieu) ... ..	29.89	58	SSW	5	c	30.00	+0.2	51	-2	ESE	2	o	3	0.08	61	50						
	Lorient (Rec Melen)... ..	29.91	57	S	3	bc	29.89	*	53	-1	NE	3	o	4	0.08	61	48						
	Rochefort (Ile d' Aix)	29.96	60	E	1	o	29.90	-0.3	54	+1	E	3	o	*	-	64	52						
	Biarritz ... ..	29.93	63	E	3	c	29.91	-0.2	60	+10	ESE	2	b	4	-	66	50						
SPAIN.	Paris ... ..	30.03	56	ESE	1	b	29.98	-0.6	51	-1	NNE	3	o	*	0.12	60	46						
	Belfort ... ..	29.96	63	W	4	o	29.97	*	57	-11	ENE	6	m	*	0.20	80	55						
	Lyons ... ..	29.97	66	N	1	c	29.97	*	55	-13	S	2	r	*	1.34	79	53						
	Nice ... ..	30.01	67	-	0	bc	29.97	00	64	-3	E	2	r	4	trace	79	59						
	Perpignan ... ..	29.95	64	SW	1	o	29.91	+0.8	60	-3	N	1	o	*	0.16	68	57						
	Sanguinaire ... ..																						
	Corunna (S.m.) ... ..	29.90	57	WSW	6	r	29.95	00	55	+1	SW	3	r	b</									

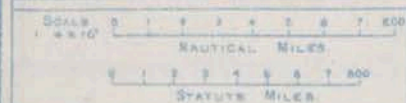
GALES.  
Duration and Extreme Force  
on British Coast.

\* Information for these columns not usually received.

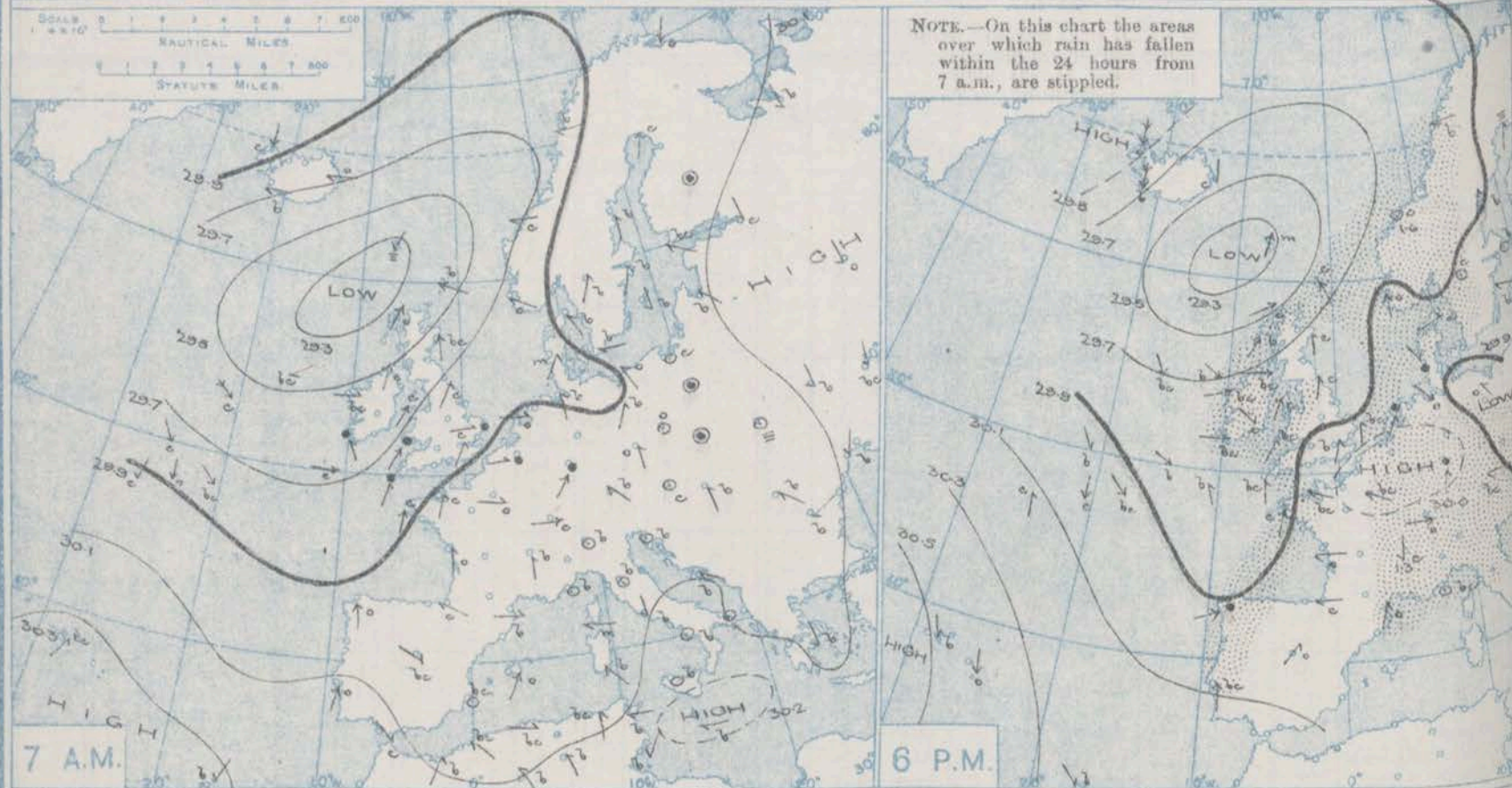
† Received too late for insertion in Charts.



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 31<sup>ST</sup> MAY 1920



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.	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

11 WESTERN CHANNEL AND BAY.

THE FURTHER OUTLOOK.

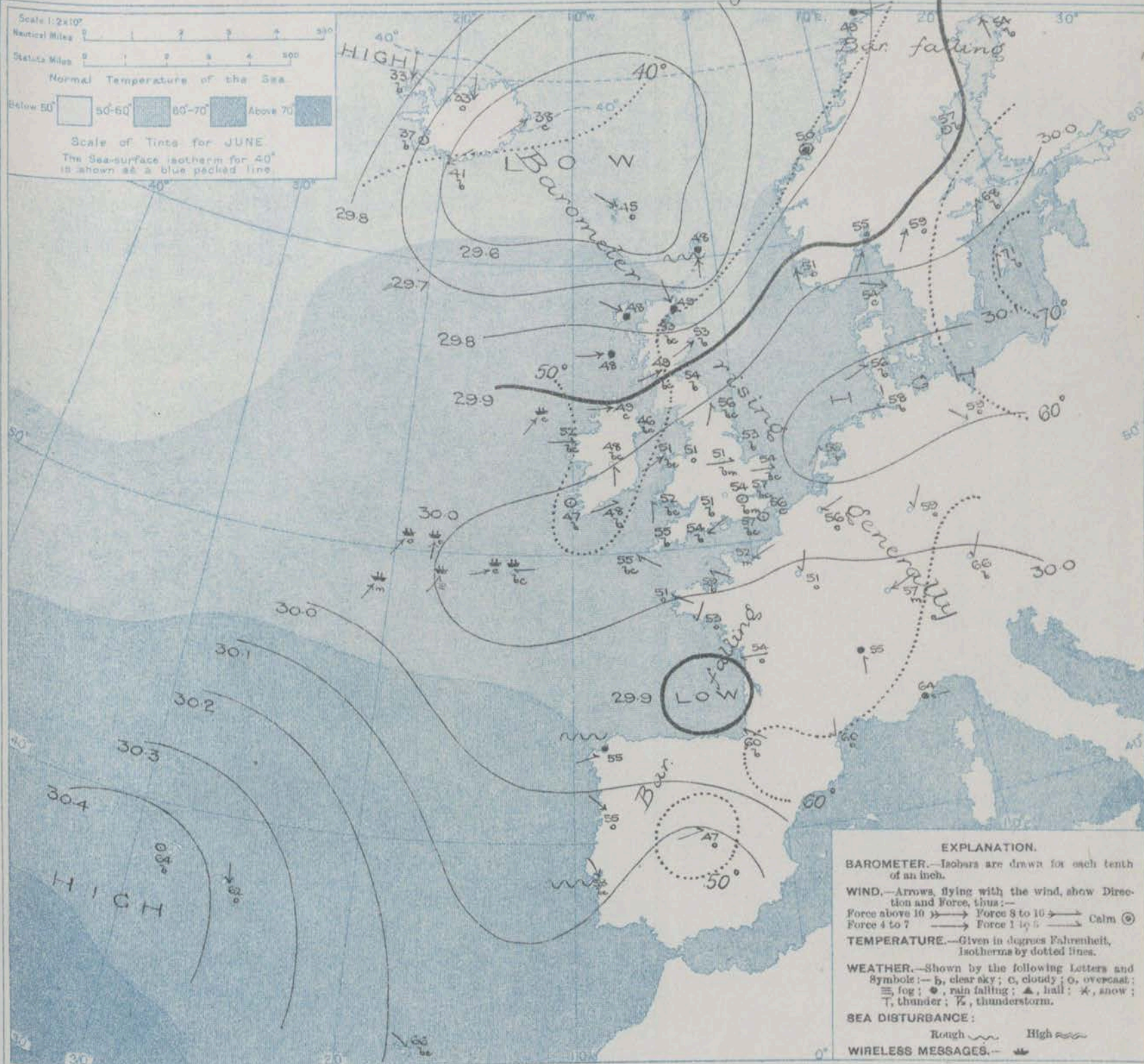
*None Issued*

*None Issued*



# SYNOPTIC CHART FOR 7 A.M. Sunday, 1<sup>st</sup>

JUNE 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure is above 30.1 in. over North Germany and relatively high in a band extending across England and the south of Ireland and beyond, while at the Azores it is as high as 30.4 in. In a large depression over the Icelandic region it is below 29.6 in. and in a very shallow disturbance over the southern portion of the Bay of Biscay it is below 29.9 in.

The wind is light or moderate from between N.E. and S. over the west and north of these Islands, and strong from the N.W. in the west of Iceland, over the south of England, the Channel, and most of

France it is mainly E., and very light. Wireless reports show that a light to strong S.W. breeze prevails as far west as the 20th meridian. Temperature has fallen in Germany and the east of France, risen in Sweden, changed little elsewhere. Over the United Kingdom the readings range from 57° at Dungeness to a little below 50° in Ireland and the north and west of Scotland. In most parts of these Islands the weather is fair to bright, but rain is falling at some of the extreme northern and north-western stations. Very bright weather prevails in Sweden, but as a whole the sky is cloudy to overcast at the Continental stations, with rain at Lyons, Nice and Genoa, as well as on the north-west coast of Norway.



## DAILY WEATHER REPORT.

Sunday, 1st June 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. Jan.	49	13	Minnehaha	H	30.08	+0.05	E	1-3	bc	31st May 6pm	49	10	Menominee	O	29.84	+0.04	SSE	1-3	bc
31st May 6pm	47	24	Manitou	H	30.01	-0.01	SSE	1-3	c	" Jan	47	27	Manitou	H	29.96	+0.01	NNE	1-3	c
" "	50	21	Ascania	H	29.99	+0.07	NW	1-3	b	" "	48	21	Minnehaha	H	29.88	-0.10	NW	6-7	b
" "	48	20	Ferland	H	30.06	-0.00	N	6-7	c	" "	50	25	Ascania	H	29.82	+0.01	NW	4-5	b
" "	48	18	Minnehaha	H	29.92	-0.02	NW	6-7	bc	" "	47	24	Ferland	H	30.02	+0.01	N	4-5	b
" "	54	16	Columbia	H	29.72	+0.02	NW	4-5	bc	" "	53	21	Columbia	H	29.51	-0.05	NW	8-9	b
" "	50	18	Ausonia	O	29.81	+0.06	NW	4-5	b	" "	55	46	Hesperian	H	29.47	+0.07	NE	1-3	b
" "	55	11	Hesperian	H	29.75	+0.10	NW	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.	
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.
Scotland.		In.	F.	F.			Hr.	England, S.E.		In.	F.	F.		
{ Oban ...		...	...	...	...	...	...	{ Margate ...		...	...	...	...	...
{ Stonehaven ...		...	...	...	...	...	...	{ Ramsgate ...		...	...	...	...	...
{ St. Andrews ...		...	...	...	...	...	...	{ Folkestone ...		...	...	...	...	...
{ Carnoustie ...		0.17	62	50	*	*	5.8	{ Littlestone ...		...	...	...	...	...
Eng. N.E.		...	...	...	...	...	...	{ Hastings ...		...	...	...	...	...
{ Harrogate ...		0.03	60	48	bc.c	cp	3.2	{ Bexhill-on-Sea ...		...	...	...	...	...
{ Scarborough ...		"	60	48	bc.b, bc		...	{ Eastbourne ...		...	...	...	...	...
England, N.W.		...	...	...	...	...	...	{ Seaford ...		...	...	...	...	...
{ Blackpool ...		0.04	60	50	bc.o.c	c, br, cp	6.2	{ Brighton ...		...	...	...	...	...
{ Southport ...		...	...	...	...	...	...	{ Worthing ...		...	...	...	...	...
{ Buxton ...		0.07	57	45	bc.p	bc.p	2.3	{ Littlehampton ...		...	...	...	...	...
{ Leamington Spa ...		0.12	59	47	c	p	3.2	{ Southsea ...		...	...	...	...	...
{ Douglas ...		...	...	...	...	...	...	{ Bournemouth ...		...	...	...	...	...
Wales.		...	...	...	...	...	...	{ Weymouth ...		...	...	...	...	...
{ Rhyl ...		...	...	...	...	...	...	{ Teignmouth ...		...	...	...	...	...
{ Colwyn Bay ...		...	...	...	...	...	...	{ Torquay ...		...	...	...	...	...
{ Llandudno ...		...	...	...	...	...	...	{ Paignton ...		...	...	...	...	...
{ Bettws-y-Coed ...		...	...	...	...	...	...	{ Ilfracombe ...		...	...	...	...	...
{ Aberystwyth ...		0.15	56	50	r.o	r.c	4.0	{ Weston-super-Mare ...		...	...	...	...	...
England, E.		...	...	...	...	...	...							
{ Lowestoft ...		...	...	...	...	...	...							
{ Felixstowe ...		0.10	59	50	o.b.c	bc	3.9							
{ Walton-on-Naze ...		0.10	58	50	c	c, bc	3.9							
{ Southend-on-Sea ...		0.04	63	51	*	bc.b	6.0							

## LONDON OBSERVATIONS.

## Additional Observations for Yesterday.

STATIONS.		HUMIDITY.		TEMPERATURE.		Rainfall.	WEATHER.		Sunshine for Yesterday.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.	
		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.) ...		59	64	63	42	24	o	o, bc	6	Dublin to 4 p.m.		0.01	61	47	44	bc
City (Bunhill Row) ...		"	"	"	"	"	"	"	"	Plymouth to 9 p.m.		0.01	58	50	47	bc
Westminster (St. James's Pk.)		75	73	62	46	40	bc	bc	bc	Darwen "		0.13	57	46	42	bc.o
Camden Sq. (Brit. Rainfall)		64	55	60	44	41	bc.o	c, bc	b	Manchester "		0.03	59	51	"	bc.c
Hampstead (Reservoir) ...		"	58	60	46	37	c.b	b	bc	Birmingham "		0.01	60	46	43	c
Kew. (See front page.)										Oxford to 8 p.m.		"	61	49	46	bc.o
				VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETER DURING YESTERDAY.						S. Kensington (Museum Grounds to 6 p.m.)		-	64	48	37	b.c
				Total.	Mean Rate.	Max. Rate.										c.o
S. Kensington (Roof of M.O.)		82	54	1571 Joules.	27 Milliwatts.	82 Milliwatts.			3.6							

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

1st & 2nd June 1913.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 3.38 3.27	G.M.T. 11.51 11.51	G.M.T. 8.4 8.5
Greenwich ...	3.51 3.50	11.58 11.58	8.5 8.6
Wick ...	3.17 3.16	12.10 12.10	8.2 8.4
Valencia ...	4.23 4.25	12.33 12.33	8.48 8.50

## NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature remained below 60° over the greater part of the United Kingdom, but rose to 86° at Berlin and Frankfurt. The night was colder than of late over this country. Thunderstorms occurred locally in these Islands, with 0.5 in. of rain at Liverpool. Much bright sunshine was recorded in the west and north, but in the south and south-east there was less. According to wireless reports light to fresh or strong breezes, mainly from the N.W. were general between the Irish coast and 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; 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.

Monday,  
2nd June, 1913.

1913.																						
STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
		BAROM.		TEMP.		WIND.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.				
		At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Force (0 to 12).	Weather.		At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						Dirac.	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.	
		In.	F.	Dirac.	Force (0 to 12).	Weather.	In.	In.	F.						In.	F.	F.				Hours	
Lerwick ... ..		29.94	51	SSW	2	c	29.92	-0.02	50	+2	SSE	3	bc	2	0.07	52	46	cp-bc	c	bc		
Stornoway ... ..		29.92	52	SSW	4	cp	29.78	-0.05	51	+3	S	5	o	4	0.03	55	47	o	o-cp	oq	2.1	
Castlebay (Barra Isd.)		29.95	51	SSW	3	o	29.76	-0.04	49	+1	SSE	4	op	5	0.02	52	46	op-c	c-o	o-bc	3.0	
Glasgow ... ..		30.02	55	W	2	o	29.96	-0.03	50	+1	S	2	b	6	0.01	53	44	c-bc	bc-c-o	c-bc	7.6	
Malin Head ... ..		29.97	52	SE	3	bc	29.75	-0.06	50	+1	ESE	6	o	4	Trace	56	43	cm	bc	cmq	0	
Blacksod Point ... ..		29.93	53	SSW	5	c	29.67	-0.07	52	0	S	7	o	5	0.10	57	50	bc	cg	cm	0	
Valencia ... ..		30.01	55	SSE	4	bc	29.81	-0.07	52	+5	SSE	4	rm	4	0.02	60	47	bc	bc	cm	8.5	
Roche's Point ... ..		30.07	56	SSW	3	bc	29.94	0	53	+5	SSW	4	c	4	Trace	57	48	b	b-bc	bc-c	0	
Birr Castle ... ..		29.98	61	SW	2	c	29.82	0	55	+7	SSE	6	bc	3	0	63	47	b	b	bc	11.2	
Donaghadee ... ..		30.03	55	SW	3	bc	29.94	-0.04	52	+6	SSW	2	b	2	0	60	46	bc	bc	bc	0	
Liverpool Obsy. ... ..		30.07	55	NW	1	b	30.06	0.00	54	+3	S	2	b	1	0	60	49	b	b	b	14.5	
Holyhead ... ..		30.06	55	SW	3	b	30.02	-0.02	52	+1	S	4	bm	2	0	58	49	b-bc	bc-bv	b-bc	13.0	
Pembroke (St. Ann's Hd.)		30.08	54	SW	1	b	30.05	-0.02	53	+1	SSE	3	bc	2	Trace	57	50	bc	b	b	12.9	
Newquay ... ..		30.07	56	SE	1	b	30.06	0.00	57	+2	E	2	b	2	0	60	42	bv	bv	bv	13.7	
Scilly (St. Mary's) ... ..		30.07	59	0	0	bm	30.05	+0.02	54	-1	SSE	2	bc	3	0	62	49	bm	bm	bm	13.7	
Jersey (St. Aubin) ... ..		30.06	61	ESE	4	c	30.17	0	56	-3	E	3	b	3	0	66	49	c-o-c	c	bc	7.4	
Portland Bill ... ..		30.07	56	SSE	1	c	30.13	+0.01	54	0	SSW	3	b	2	0	61	52	bc	bc	bc	0	
Dungeness ... ..		30.05	54	ENE	4	p	30.13	+0.02	57	0	WNW	3	c	3	0.06	59	48	c	c-op	cm-c	0	
Dover ... ..		30.08	52	NE	2	r	30.14	0	57	+1	W	2	b	4	0.23	59	46	c-bc	c-o	cm-c	1.7	
Wick ... ..		29.93	52	WSW	2	c	29.87	-0.02	50	+1	SSW	3	bc	3	0.33	54	45	cm-c	cm-c	cm-c	0	
Nairn ... ..		29.95	56	SW	2	bc	29.85	0	56	+3	SW	2	bc	2	Trace	58	42	cg	bc	bc	3.8	
Aberdeen ... ..		29.97	62	SW	4	bc	29.96	-0.03	56	+3	S	2	b	2	0	65	48	b-bc	bc	bc	12.6	
Leith ... ..		30.01	58	WNW	3	bc	29.97	-0.02	54	0	SSE	2	b	0	0	63	48	b	b	b-bc	0	
North Shields ... ..		30.04	63	SW	3	c	30.05	0.00	51	-5	SW	1	bc	2	0	64	42	c	b	c	9.1	
Spurn Head ... ..		30.07	57	SSE	3	c	30.06	0.00	56	+3	SW	3	b	2	0	62	51	bc	bc	c-b	12.5	
Yarmouth ... ..		30.09	54	ENE	1	o	30.10	0.00	54	0	0	0	bc	0	Trace	60	51	bc-o	o	o-bc	5.1	
Clacton-on-Sea ... ..		30.07	56	ENE	2	o	30.12	+0.02	58	+1	SW	2	bc	2	0.11	60	49	bc-c-o	o	cm-c	3.2	
Nottingham ... ..		30.05	63	W	2	c	30.08	0	53	+2	W	2	bm	0	0	67	45	bm	bc-c	c-b	10.9	
Bath ... ..		30.04	66	N	1	c	30.13	0	55	+4	S	1	b	0	0	69	42	0	0	0	6.0	
London (Kew Obsy.) ... ..		30.09	58	SE	2	o	30.15	+0.02	54	0	SW	3	b	0	0	63	44	bm-c	o	o-bc	4.7	
Spitzbergen ... ..		29.89	32	0	0	o	29.74	-0.03	32	+1	E	3	o	0	0	32	27	0	0	0	0	
Isafjord ... ..		29.79	35	0	0	b	29.82	+0.02	35	+2	N	7	b	0	0	0	0	0	0	0	0	
Reykjavik ... ..		29.63	45	0	0	b	29.58	0.00	40	+3	N	8	b	0	0	0	0	0	0	0	0	
Vestmanna ... ..		29.60	51	0	0	b	29.52	-0.01	42	+1	E	5	o	0	0	0	0	0	0	0	0	
Seydisfjord ... ..		29.68	58	0	0	b	29.73	-0.02	34	-4	WNW	3	b	0	0	0	0	0	0	0	0	
Thorshavn ... ..		29.73	53	SW	5	c	29.69	-0.04	47	+2	SSE	4	o	0	0	0	0	0	0	0	0	
Haparanda ... ..		29.68	52	SW	8	r	29.84	+0.04	54	0	W	6	b	0	0.16	59	45	0	0	0	0	
Hernösand ... ..		29.83	59	0	0	b	30.06	+0.04	57	0	WNW	2	b	0	0	64	48	0	0	0	0	
Stockholm ... ..		30.05	64	S	2	b	30.12	+0.02	60	-8	WSW	2	o	0	0	77	52	0	0	0	0	
Wisby ... ..		30.09	60	SW	2	b	30.16	+0.01	58	-13	N	2	b	0	0	73	54	0	0	0	0	
Karlstad ... ..		30.07	57	W	2	b	30.14	0.00	55	-4	SSE	2	c	0	0	69	48	0	0	0	0	
Færder (Xtians Fjord) ... ..		30.01	59	SW	5	bc	30.13	+0.01	57	+2	0	0	c	2	0	59	52	0	0	0	0	
Bodö ... ..		29.69	46	SW	7	r	29.88	+0.02	47	-2	SSW	3	o	2	0.51	49	29	0	0	0	0	
Christiansund ... ..		29.93	47	WNW	5	o	30.00	-0.01	50	0	SSE	1	o	5	0.16	64	45	0	0	0	0	
Skudesnaes ... ..		30.13	52	S	4	b	30.10	+0.01	51	0	S	4	m	3	0	55	48	0	0	0	0	
The Scaw (Skagen) ... ..		30.13	53	W	2	c	30.15	0.00	54	0	SSE	1	o	0	0.08	61	52	0	0	0	0	
Blaavands Huk ... ..		30.12	53	0	0	m	30.08	-0.03	53	-3	NE	2	o	1	0.04	57	48	0	0	0	0	
Cuxhaven ... ..		30.10	57	NNE	4	o	30.01	+0.02	58	0	E	2	bc	0	0.51	61	55	0	0	0	0	
The Helder ... ..		30.08	54	NE	4	r	30.01	+0.02	55	-1	NE	2	r	1	0.32	59	50	0	0	0	0	
Brussels ... ..		29.94	52	ESE	3	o	30.11	+0.11	52	-4	NW	1	o	0	0.51	57	50	0	0	0	0	
Berlin ... ..		30.05	68	E	3	b	30.04	0.00	71	+12	SE	2	bc	0	0	75	59	0	0	0	0	
Frankfurt ... ..		30.01	64	0	0	o	30.08	+0.01	63	+4	W	1	bc	0	0.04	81	57	0	0	0	0	
Munich ... ..		29.92	69	NE	2	c	30.06	+0.01	66	0	NW	2	b	0	0	79	59	0	0	0	0	
C. Gris Nez ... ..		30.07	50	NE	5	r	30.11	+0.01	55	-3	NW	3	b	2	0.59	61	50	0	0	0	0	
La Hève ... ..		30.00	53	ENE	3	o	30.17	0	52	0	ENE	3	m	1	0.08	63	50	0	0	0	0	
Brest (St. Mathieu) ... ..		30.08	60	NE	2	c	30.13	+0.02	54	+3	SE	3	b	2	0	61	52	0	0	0	0	
Lorient (Bec Melon) ... ..																						

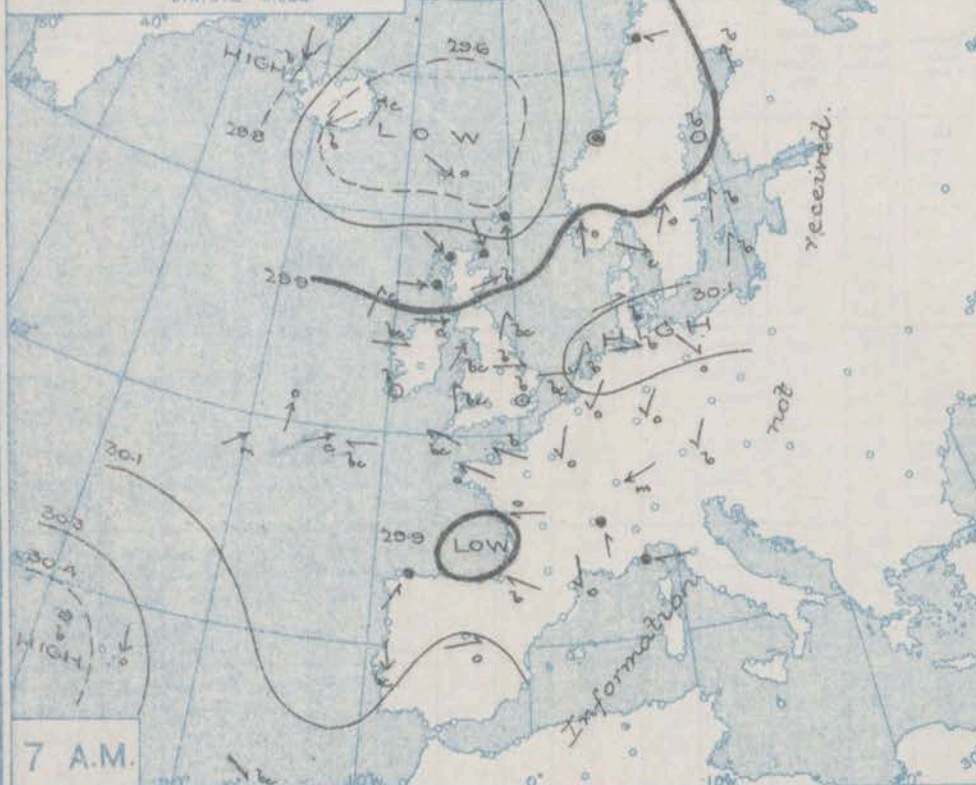
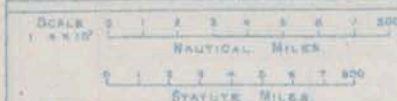
GALES.  
Duration and Extrema Forces  
on British Coasts.

\* 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. 1<sup>ST</sup> JUNE.



7 A.M.

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



6 P.M.

## GENERAL INFERENCE

A large depression over the upper part of the Atlantic is likely to extend slowly Eastward. Freshening southerly winds and unsettled weather will set in today over our western

## WEATHER PROSPECTS.

and northern districts and will probably spread later to other parts of the Kingdom.

### FORECASTS FOR THE 24 HOURS NOON MONDAY

- 0 {  
a } Freshening southerly winds  
b } fair at first, some rain later;
- 1 } moderate temperature.
- 2 {  
a }  
b } Light to moderate south. Westly
- 3 } to southerly winds; fine today
- 4 {  
a } less settled to-morrow, probably  
b }
- 5 } some rain; 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 Coast.	South Coast.
North Coast.	North Coast.

NO WARNINGS ISSUED.

### TO NOON TUESDAY.

- 6 {  
a } Strong southerly winds; dull,  
b } unsettled, some rain; rather cool
- 7 {  
a }  
b } Same as Nos. 0 and 1.
- 8 {  
a }  
b }
- 9 {  
a } Strong southerly to south-  
b } Westerly winds; dull, unsettled
- 10 {  
a } some rain; rather cool  
b }

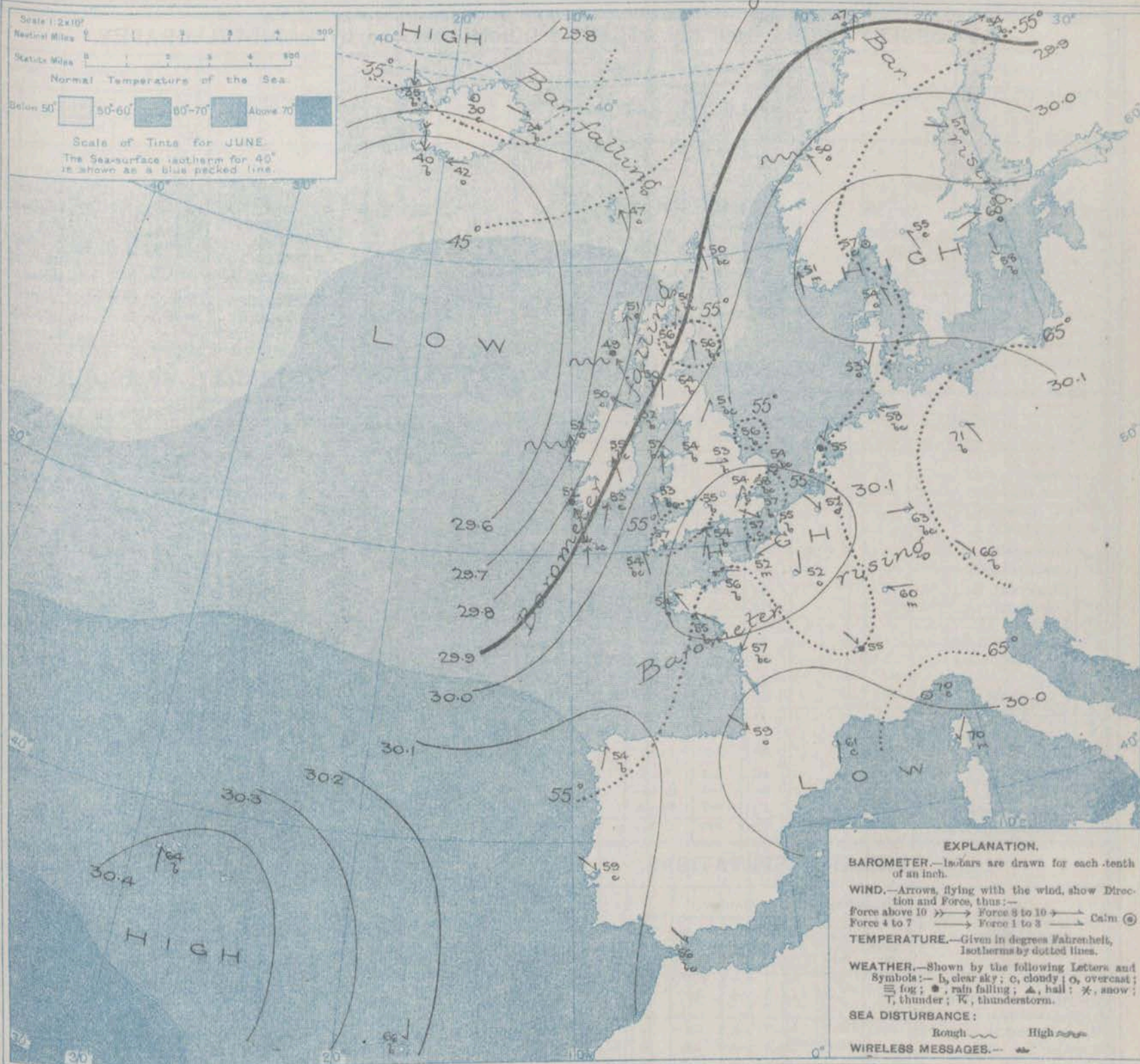
### 11 WESTERN CHANNEL AND BAY.

Freshening southerly winds and a moderate to rather rough sea; fair today, showery to-morrow; moderate temperature.

### THE FURTHER OUTLOOK.



# SYNOPTIC CHART FOR 7 A.M. Monday, 2<sup>nd</sup> JUNE 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

Barometrical pressure is high over England and the western portions of the Continent. A large depression, which lies over the Atlantic to the southward of Iceland, is spreading Eastwards, and is causing a fall of the barometer on all our own western and northern coasts.

The wind is Southerly or South-Westerly over the greater part of the United Kingdom, and is increasing in force in Ireland and the west of Scotland. In the western parts of the Continent it is rather variable. Temperature has changed rather

irregularly, but has risen in most places. Over the United Kingdom the morning readings range from a trifle above 55° on the south-east coast of England and in the north-east of Scotland to about 50° on our extreme north-west coasts. In Germany and the south of France the readings are above 65°. The weather is fine over the greater portion of the United Kingdom, but dull and showery on our extreme western coasts. Fine weather is reported at the majority of the Continental stations but rain is falling at Lyons and the Rheder. The sea is slight or smooth generally, but rather rough on our extreme north-west coasts.



## DAILY WEATHER REPORT.

Monday 2nd June 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. Jan.	50	9	Ascania	H	29.92	-.01	S	4-5	bc	1st. Jan.	48	20	Manitow	H	29.92	-.00	SW	4-5	bc
1st. Gpm.	48	17	Manitow	H	29.87	-.00	WSW	4-5	m	"	50	17	Ascania	H	29.92	-.05	SSW	4-5	m
"	51	15	Caledonia	O	29.60	-.11	S	6-7	m	"	49	15	Finland	H	30.09	-.01	WS	1-3	m
"	50	13	Ascania	H	29.92	-.01	SSW	6-7	r	"	49	15	Menominee	O	30.06	+.00	WSW	4-5	r
"	49	11	Finland	H	30.09	-.01	SW	1-3	bc	"	55	11	Caledonia	O	29.96	+.06	SW	4-5	bc
"	49	17	Menominee	H	29.94	-.00	SW	1-3	f	"	50	19	Ansonia	O	29.88	-.04	SW	6-7	f

## 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	...	...	...	...	...	...
	Stonehaven	...	...	...	...	...	...		Ramsgate	...	...	...	...	...	...
	St. Andrews	...	...	...	...	...	...		Folkestone	...	...	...	...	...	...
	Carnoustie	...	...	...	...	...	...		Littlestone	...	...	...	...	...	...
England, N.E.	Harrogate	...	...	...	...	...	...	England, S.W.	Hastings	...	...	...	...	...	...
	Scarborough	...	...	...	...	...	...		Bexhill-on-Sea	...	...	...	...	...	...
	Blackpool	...	...	...	...	...	...		Eastbourne	...	...	...	...	...	...
	Southport	...	...	...	...	...	...		Seaford	...	...	...	...	...	...
England, N.W.	Buxton	...	...	...	...	...	...	England, S.E.	Brighton	...	...	...	...	...	...
	Leamington Spa	...	...	...	...	...	...		Worthing	...	...	...	...	...	...
	Douglas	...	...	...	...	...	...		Littlehampton	...	...	...	...	...	...
	Rhyl	...	...	...	...	...	...		Southsea	...	...	...	...	...	...
Wales.	Colwyn Bay	...	...	...	...	...	...	England, S.W.	Bournemouth	...	...	...	...	...	...
	Llandudno	...	...	...	...	...	...		Weymouth	...	...	...	...	...	...
	Bettws-y-Coed	...	...	...	...	...	...		Teignmouth	...	...	...	...	...	...
	Aberystwyth	...	...	...	...	...	...		Torquay	...	...	...	...	...	...
England, E.	Lowestoft	...	...	...	...	...	...	England, S.W.	Paignton	...	...	...	...	...	...
	Felixstowe	...	...	...	...	...	...		Ilfracombe	...	...	...	...	...	...
	Walton-on-Naze	...	...	...	...	...	...		Weston-super-Mare	...	...	...	...	...	...
	Southend-on-Sea	...	...	...	...	...	...			...	...	...	...	...	...

## LONDON OBSERVATIONS.

## Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain- fall.	WEATHER.			Sun- shine for Yester- day.	STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.		
	3 p.m. Yester- day.	9 a.m. To- day.	In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.				In Screen.	Night Min. on Grass.	Night.	Fore- noon.	After- noon.	
			Max.	Min.		Max.				Min.								
	24 HOURS ENDED 9 A.M. TO-DAY.																	
Greenwich (Royal Obs.) ...	%	%	F. °	F. °	F. °	In.				Hr.	Dublin to 4 p.m.	In.	F. °	F. °	F. °	cp.	bc	bc
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	4.6	Plymouth to 9 p.m.	Trace	64	46	44			
Westminster (St. James's Pk.)	74	82	64	49	42	-	bc.0	o	o. b	4.2	Darwen "							
Camden Sq. (Brit. Rainfall)	-	63	69	49	46	-	bc.0	o	o. c. b	3.5	Manchester "	0.03	65	44	36	or. c. bc	bc	bc. b
Hampstead (Reservoir) ...	*	68	62	47	43	7	c.0	c	c	?	Birmingham "	-	67	43	36	c	c	c
Kew. (See front page.)											Oxford to 8 p.m.	*	67	42	35	b. bc. b	b. cm	cm
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																		
S. Kensington (Roof of M.O.)	~	62	Total.		Mean Rate.		Max. Rate.		3.6	S. Kensington (Museum Grounds to 6 p.m.)	~	64	48	37	bc. b	b. bc	c.0	
			137. Joules.		23.4 Milliwaits.		62 Milliwaits.											

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

2nd & 3rd June 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 3.37 3.36	G.M.T. 11.51 11.51	G.M.T. 8.5 8.6
Greenwich	3.50 3.49	11.58 11.58	8.6 8.7
Wick	3.16 3.15	12.10 12.10	9.4 9.6
Valencia	4.28 4.27	12.38 12.38	8.50 8.51

NOTES ON YESTERDAY'S WEATHER.

The thermometer rose to 65° and upwards in several parts of Great Britain, and to 64° at Bath. Very little bright sunshine was recorded in east and south-east of England; elsewhere the duration was large. Rain fell on the coasts of Kent and Sussex, as well as at some of our extreme western and northern stations. Wireless reports show that as far west as 20th meridian ships experienced increasing southerly and south-easterly winds, but fair weather.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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



1913.

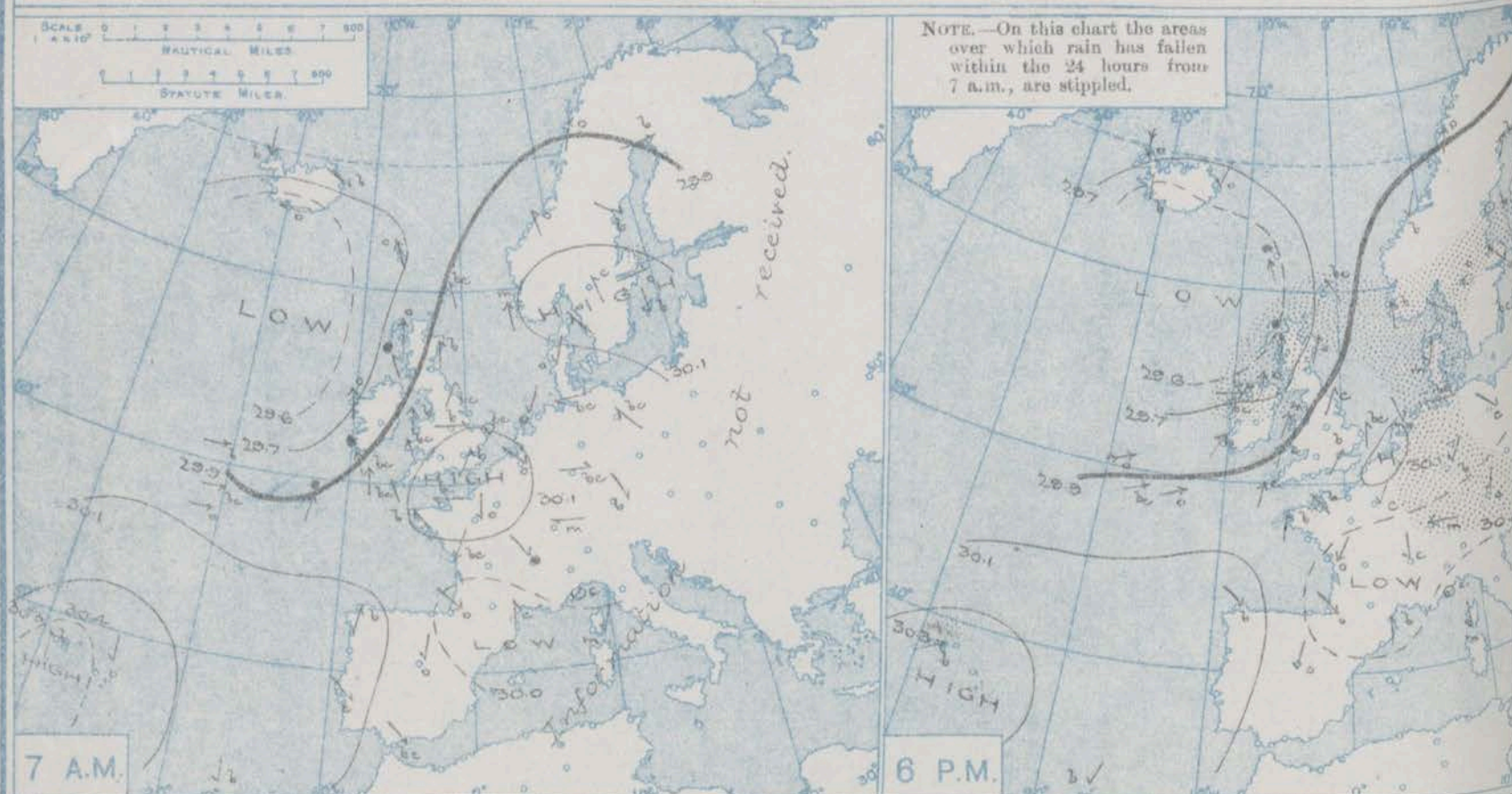
## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Tuesday  
3rd June 1913.

STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shine for Yester- day.
	BAROM.		TEMP.		WIND.	Weather.	BAROMETER.		TEMP.		WIND.		Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.			
	At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	F.	Dir.			Force (0 to 12).	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.	
Lerwick ... ..	29.76	52.	SE	3	bc	29.65	0.00	50	0	SE	2	bc	2	0.06	54	48	bc.org	bc.org	bc.org	bc.org	0.1	
Stornoway ... ..	29.55	50	S	6	org	29.41	+0.09	50	-1	SW	6	0	5	0.34	53	47	org	org	org	org	0.5	
Castlebay (Barra Isd.)	29.57	51	SSW	4	e	29.77	+0.08	50	+1	WSW	4	c	4	0.36	51	48	org	org	org	org	0.5	
Glasgow ... ..	29.75	50	SSW	7	org	29.85	+0.07	48	-2	SW	3	0	4	0.49	59	46	bc.o	org	org	org	0.1	
Malin Head... ..	29.64	51	SSW	5	org	29.86	+0.05	49	-1	SW	4	bc	4	0.10	56	47	org	org	org	org	0.1	
Blackod Point ...	29.70	53	W	4	bc	29.87	+0.03	51	-1	W	2	bc	2	0.53	56	47	bc.org	bc.org	bc.org	bc.org	0.1	
Valencia ... ..	29.83	54	SW	4	cm	29.97	+0.02	53	+1	S	1	0	4	0.40	58	48	bc.org	bc.org	bc.org	bc.org	0.1	
Roche's Point ...	29.83	55	SW	3	c	30.00	0	50	-3	W	1	b	3	0.19	55	48	c.org	c.org	c.org	c.org	0.1	
Birr Castle ... ..	29.77	53	SW	3	c	29.96	0	51	-4	S	3	c	3	0.16	58	44	bc.org	bc.org	bc.org	bc.org	0.1	
Donaghadee ...	29.70	52	SW	4	r	29.91	+0.05	47	-5	SW	3	bc	2	0.19	59	44	c	bc.org	bc.org	bc.org	0.1	
Liverpool Obsy. ...	29.90	63	SSW	4	o	29.99	+0.04	53	+1	W	2	b	3	0.02	64	52	bc	bc.org	bc.org	bc.org	0.1	
Holyhead ... ..	29.86	55	SSW	5	m	29.95	+0.02	52	0	SW	3	c	2	0.42	60	50	bc.org	bc.org	bc.org	bc.org	0.1	
Pembroke (St. Ann's Hd.)	29.94	53	SSW	6	c	30.05	+0.03	51	-2	W	3	bc	3	0.11	57	50	bc	bc.org	bc.org	bc.org	0.1	
Newquay ... ..	29.98	57	SSW	4	b	30.01	+0.03	53	-4	NW	1	c	3	0.22	65	53	bc	bc.org	bc.org	bc.org	0.1	
Scilly (St. Mary's) ...	29.96	54	SSW	4	c	30.01	+0.03	53	-1	NW	2	bc	3	Trace	58	49	bc.org	bc.org	bc.org	bc.org	0.1	
Jersey (St. Aubin) ...	30.07	67	ESE	2	b	30.06	0	59	+2	E	1	bc	1	0	68	48	bc.org	bc.org	bc.org	bc.org	0.1	
Portland Bill ... ..	30.06	58	SE	3	b	30.05	+0.02	55	+1	SSW	1	b	2	0	60	51	bc	bc.org	bc.org	bc.org	0.1	
Dungeness ... ..	30.08	58	SW	2	b	30.06	+0.01	57	0	S	1	bc	2	0	61	51	bc.org	bc.org	bc.org	bc.org	0.1	
Dover ... ..	30.09	58	SW	2	b	30.08	0	59	+2	S	1	b	1	Trace	58	44	bc.org	bc.org	bc.org	bc.org	0.1	
Wick ... ..	29.67	53	S	4	c	29.71	+0.04	51	+1	SSW	4	c	4	0.04	54	44	bc.org	bc.org	bc.org	bc.org	0.1	
Nairn ... ..	29.64	56	S	6	o	29.74	0	53	-3	S	3	bc	2	0	63	46	bc.org	bc.org	bc.org	bc.org	0.1	
Aberdeen ... ..	29.77	59	SSW	3	o	29.81	+0.04	53	-3	SSW	3	bc	2	0.03	61	47	bc.org	bc.org	bc.org	bc.org	0.1	
Leith ... ..	29.79	58	S	5	o	29.88	+0.06	52	-2	SW	4	bc	2	0.09	64	48	bc.org	bc.org	bc.org	bc.org	0.1	
North Shields ...	29.86	65	SSW	3	c	29.93	+0.07	54	+3	SW	3	c	2	0.02	68	48	bc.org	bc.org	bc.org	bc.org	0.1	
Spurn Head ... ..	29.96	59	S	4	bc	30.00	+0.03	56	0	S	4	bc	4	0	69	50	bc.org	bc.org	bc.org	bc.org	0.1	
Yarmouth ... ..	30.07	58	SSE	3	bc	30.07	+0.02	57	+3	S	1	bc	1	0	61	52	bc.org	bc.org	bc.org	bc.org	0.1	
Clacton-on-Sea ...	30.05	61	SSE	4	c	30.08	+0.01	58	0	S	2	bc	2	0	62	56	bc.org	bc.org	bc.org	bc.org	0.1	
Nottingham ... ..	29.97	65	S	4	b	30.00	0	56	+3	SW	3	org	0	0.01	70	52	bc.org	bc.org	bc.org	bc.org	0.1	
Bath ... ..	30.04	62	S	6	b	30.05	0	58	+3	S	1	bc	0	0	66	48	bc.org	bc.org	bc.org	bc.org	0.1	
London (Kew Obsy.) ...	30.07	67	SW	2	b	30.08	+0.03	56	+2	SW	1	b	0	0	69	48	bc.org	bc.org	bc.org	bc.org	0.1	
Spitzbergen ... ..	29.69	30	N	0	b	29.83	-0.04	28	-4	S	1	0	1	0	32	12	bc.org	bc.org	bc.org	bc.org	0.1	
Isafjord ... ..	29.79	35	N	9	o	29.58	0.00	41	+1	E	1	b	0	0	0	0	bc.org	bc.org	bc.org	bc.org	0.1	
Reykjavik ... ..	29.58	41	N	7	b	29.56	+0.02	39	-3	N	2	b	1	0	0	0	bc.org	bc.org	bc.org	bc.org	0.1	
Vestmanna ... ..	29.52	45	SW	1	o	29.64	+0.01	36	+2	0	0	S	0	0	0	0	bc.org	bc.org	bc.org	bc.org	0.1	
Seydisfjord ... ..	29.64	46	NE	3	o	29.41	+0.01	50	+3	SSW	4	0	0	0	0	0	bc.org	bc.org	bc.org	bc.org	0.1	
Thorshavn ... ..	29.54	48	SSE	5	r	29.41	+0.01	50	+3	SSW	4	0	0	0	0	0	bc.org	bc.org	bc.org	bc.org	0.1	
Haparanda ... ..	29.92	49	SW	4	b	29.86	-0.02	57	+3	SW	6	b	0	0	61	46	bc.org	bc.org	bc.org	bc.org	0.1	
Hernösand ... ..	30.01	51	0	0	b	29.95	+0.01	58	+1	0	0	b	0	0	61	45	bc.org	bc.org	bc.org	bc.org	0.1	
Stockholm ... ..	30.04	55	NW	2	o	29.95	+0.01	57	-3	W	2	b	0	0.22	66	50	bc.org	bc.org	bc.org	bc.org	0.1	
Wisby ... ..	30.01	63	SSE	2	bc	30.03	+0.02	58	0	W	2	0	0	0	64	50	bc.org	bc.org	bc.org	bc.org	0.1	
Karlstad ... ..	30.00	55	0	0	o	30.02	+0.02	58	+3	S	2	b	0	0	64	50	bc.org	bc.org	bc.org	bc.org	0.1	
Færder (Xtante Fjord)	30.00	58	SW	2	b	30.00	+0.01	60	+3	SW	1	b	1	0	60	54	bc.org	bc.org	bc.org	bc.org	0.1	
Bodö ... ..	29.88	47	SSW	6	o	29.86	-0.01	50	+3	SW	4	0	2	0	50	45	bc.org	bc.org	bc.org	bc.org	0.1	
Christiansund ...	29.98	53	NE	1	o	29.89	-0.01	57	+7	SE	2	b	3	0	57	48	bc.org	bc.org	bc.org	bc.org	0.1	
Skudesnaes ... ..	30.03	53	S	4	b	29.93	-0.03	53	+2	SSE	6	0	4	0	57	50	bc.org	bc.org	bc.org	bc.org	0.1	
The Scaw (Skagen) ...	30.03	55	WNW	1	o	30.08	+0.03	57	+3	W	3	b	0	0	59	48	bc.org	bc.org	bc.org	bc.org	0.1	
Blaavands Huk ... ..	30.00	55	NNE	1	m	30.10	+0.01	53	0	NW	1	m	1	0	59	52	bc.org	bc.org	bc.org	bc.org	0.1	
Cuxhaven ... ..	30.06	61	W	2	bc	30.12	+0.05	57	-1	W	1	0	0	0	66	54	bc.org	bc.org	bc.org	bc.org	0.1	
The Helder ... ..	30.09	54	NW	2	c	30.12	+0.02	55	0	S	1	bc	1	Trace	55	41	bc.org	bc.org	bc.org	bc.org	0.1	
Brussels ... ..	30.10	55	NNE	2	b	30.11	+0.03	59	+7	ESE	1	b	0	0	62	48	bc.org	bc.org	bc.org	bc.org	0.1	
Berlin ... ..	30.02	77	NW	2	c	30.03	+0.04	71	0	NE	3	bc	0	0	84	66	bc.org	bc.org	bc.org	bc.org	0.1	
Frankfurt ... ..	30.04	66	NE	1	b	30.08	+0.04	65	+2	NE	2	c	0	0	79	61	bc.org	bc.org	bc.org	bc.org	0.1	
Munich ... ..	29.96	71	NNE	2	o	30.01	-0.01	72	+6	SE	3	b	0	0.08	77	61	bc.org	bc.org	bc.org	bc.org	0.1	
C. Gris Nez ... ..	30.10	59	W	1	b	30.08	+0.01	62	+7	SE	2	bc	1	0								



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 2<sup>ND</sup> JUNE.



## GENERAL INFERENCE

The depression between Iceland and the Faeroe is likely to disperse gradually. Slight irregularities in pressure over France and our southern districts will occasion local.

## WEATHER PROSPECTS.

Thunder showers over England, where the wind will become very variable and the air close.

### FORECASTS FOR THE 24 HOURS NOON TUESDAY

### TO NOON WEDNESDAY

0 {  
a } South-Westerly winds, strong  
b } in places; changeable, some  
showers; normal temperature.

1 { Light South-Westerly winds;

fine at first, showery later;

2 {  
a } rather cool.  
b }

3 { Light Southerly to variable  
breezes; fine at first, unsettled

later, local thunder showers.

4 {  
a } Air warm and rather close.  
b }

5

### FORECAST DISTRICTS.



### STORM WARNINGS.

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

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

### SOUTH CONE

HOISTED in Districts 0, 2, 3, 10 at Noon  
LOWERED in Districts 6, 3, 10 at 3 P.M.  
STILL FLYING in District 0.

6 {  
a }  
b }

Same as Nos. 1 and 2.

7 {  
a }  
b }

8 {  
a }  
b }

Same as Nos. 3 to 5.

9 {  
a }  
b }

South-Westerly to Westerly winds, light or moderate, fair at first, some showers later; rather cool.

10 {  
a }  
b }

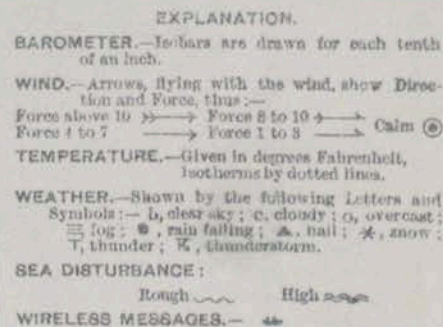
### 11 WESTERN CHANNEL AND BAY.

Light variable breezes, and a slight or smooth sea; weather rather changeable, local thunder showers; normal temperature.

### THE FURTHER OUTLOOK.



## JUNE 1913



NOTES ON THE GENERAL SITUATION AT 7 A.M.

A depression of moderate intensity is moving north-eastwards between Iceland and the Faeroe. The highest pressures are still found over the Azores region, but the barometer is also high over Spain and over North Germany and the Netherlands. Small local depressions exist over the south-west of England and the west of France.

The wind is light to moderate from the Southward or South-Westward over the United Kingdom as a whole, but is North-Westerly in the South-West of England. Light E<sup>ly</sup> or S.E<sup>ly</sup> breezes prevail

in France, and variable or North-Easterly breezes in Germany. Temperature has fallen in the west and north of our Islands, risen elsewhere. Over the United Kingdom the morning readings range from a little above  $55^{\circ}$  over eastern and central England to a trifle below  $50^{\circ}$  in the north of Ireland and the west of Scotland. The weather is fair or fine over western Europe as a whole, but local showers are reported in the north of Ireland. Rain is falling at Lyons and Inow at Dydsbyford (Iceland). The sea is slight or smooth generally, but rather rough in the Channel.



## DAILY WEATHER REPORT.

Tuesday, 3rd June 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 6pm.	50	18	Montezuma	H	29.84	+0.2	WSW	10-11	o	2nd 7am	50	22	Montezuma	H	29.77	+0.3	W	6-7	b
	49	16	Zeeland	O	29.93	+0.2	WSW	6-7	bc		49	20	Mauretania	O	29.98	+0.8	W	4-5	bc
	49	14	Minneapolis	O	29.92	+0.1	WSW	6-7	o		48	20	Menominee	O	29.88	0.0	W	4-5	o
1pm.	49	14	Zeeland	O	29.88	+0.3	WSW	4-5	bc		49	12	Manitou	H	29.81	-0.1	S	4-5	m
	49	11	Manitou	H	29.72	-0.1	SSW	4-5	m		49	12	Zeeland	O	29.89	-0.4	SSW	4-5	r

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

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine 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	...	...	...	...	...	...
	Blackpool	...	...	...	...	...	...		Eastbourne	...	...	...	...	...	...
	Southport	...	...	...	...	...	...		Seaford	...	...	...	...	...	...
England, N.W.	Buxton	...	...	...	...	...	...	England, W.	Brighton	...	...	...	...	...	...
	Leamington Spa	...	...	...	...	...	...		Worthing	...	...	...	...	...	...
	Douglas	...	...	...	...	...	...		Littlehampton	...	...	...	...	...	...
	Rhyl	...	...	...	...	...	...		Southsea	...	...	...	...	...	...
Wales.	Colwyn Bay	...	...	...	...	...	...	England, W.	Bournemouth	...	...	...	...	...	...
	Llandudno	...	...	...	...	...	...		Exmouth	...	...	...	...	...	...
	Bettws-y-Coed	...	...	...	...	...	...		Weymouth	...	...	...	...	...	...
	Aberystwyth	...	...	...	...	...	...		Teignmouth	...	...	...	...	...	...
England, E.	Lowestoft	...	...	...	...	...	...	England, W.	Torquay	...	...	...	...	...	...
	Felixstowe	...	...	...	...	...	...		Paignton	...	...	...	...	...	...
	Walton-on-Naze	...	...	...	...	...	...		Ilfracombe	...	...	...	...	...	...
	Southend-on-Sea	...	...	...	...	...	...		Weston-super-Mare	...	...	...	...	...	...

## 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 Obs.)	49	57	73	45	31	bc	bc	bc	12.6
City (Bunhill Row)	49	55	68	49	43	bc	bc	bc	12.5
Westminster (St. James's Pl.)	49	55	68	49	43	bc	bc	bc	12.6
Camden Sq. (Brit. Rainfall)	46	53	73	50	46	b.bc	bc.b	b	12.3
Hampstead (Reservoir)	46	56	67	50	43	b	bc	c	12.3
K&W. (See front page.)									
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.									
Total.			Mean Rate.		Max. Rate.				
S. Kensington (Roof of M.O.)			Joules.		Milliwatts.		88 Milliwatts.		14.4

## Additional Observations for Yesterday.

STATIONS.	Rain- fall.	TEMPERATURE.		WEATHER.		Sun- shine for Yester- day.
		Max.	Min.	Night.	Fore- noon.	
Dublin to 4 p.m.	...	62	43	39	c.b	bc
Plymouth to 9 p.m.	...	65	44	40	bc	bc
Darwen	...	69	44	40	bc.b	bc
Manchester	...	67	46	30	b	bc.c
Birmingham	...	67	46	30	b	c
Oxford to 8 p.m.	...	68	47	41	cm.b	bc.b
S. Kensington (Museum Grounds to 6 p.m.)	...	70	49	41	b.bc	bc

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

3rd & 4th June 1913.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	3.36 3.35	11.51 11.51	8.6 8.7
Greenwich	3.49 3.48	11.58 11.58	8.7 8.8
Wick	3.15 3.14	12.10 12.10	8.6 8.7
Valencia	4.27 4.26	12.39 12.39	8.51 8.52

## NOTES ON YESTERDAY'S WEATHER.

The thermometer rose to between 65° and 70° in most parts of England and Wales, and touched 73° at Greenwich. Very little bright sunshine was recorded in Ireland and the west of Scotland, but elsewhere the duration was large. Rain fell in the west and north generally, and a gale from south to south-west was experienced locally in the northern parts of Ireland and Scotland. Wireless reports show that between the Irish coasts and the 22nd meridian ship experienced fresh to strong S.W. winds, and fair weather.

NOTE.—The information relating to weather is indicated by the following letters:—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; 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.

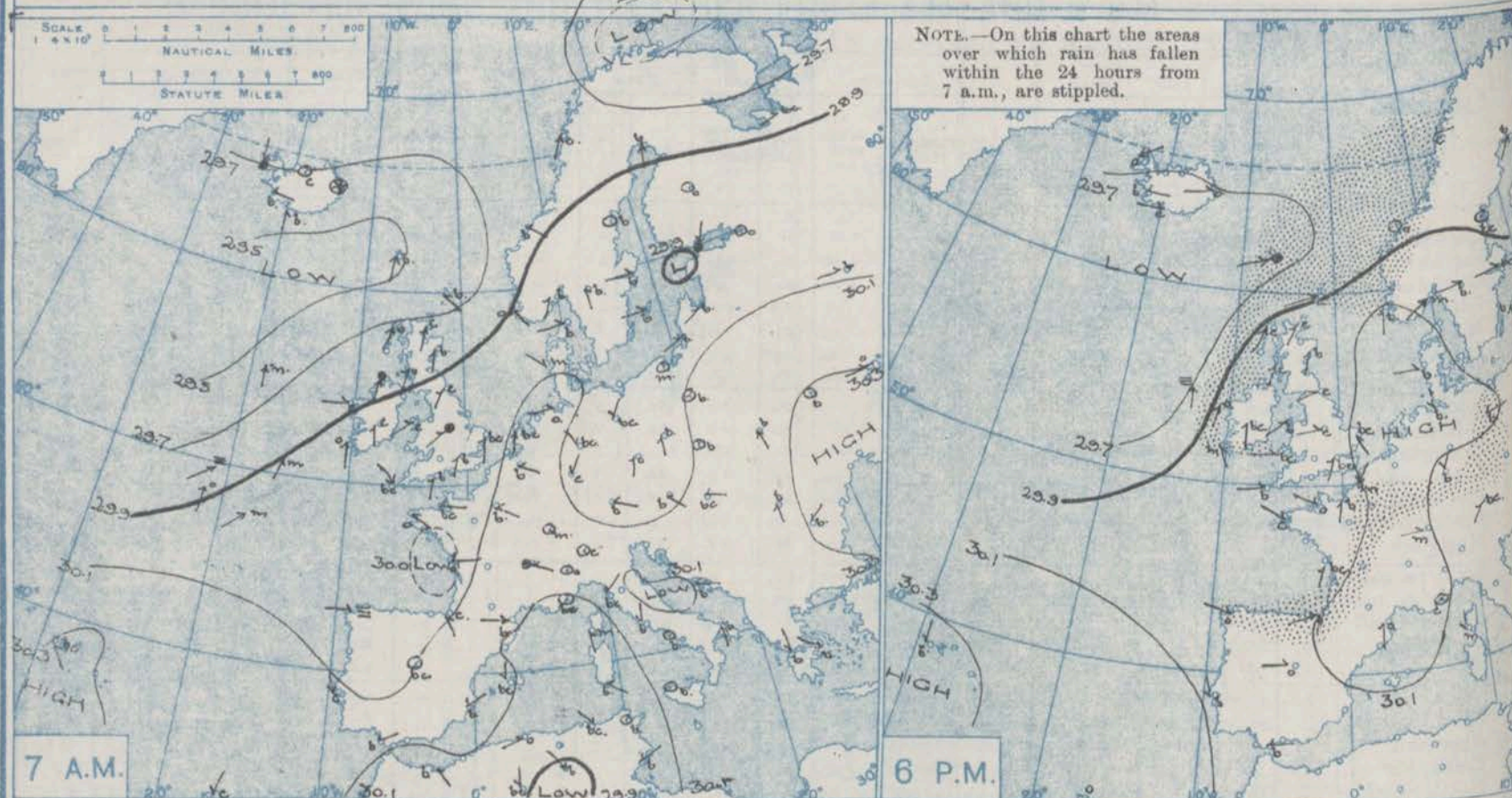
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† Received too late for insertion in Charts.



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 3<sup>RD</sup> JUNE.



## GENERAL INFERENCE

A shallow depression which is approaching the Irish coasts is likely to occasion freshening South-easterly winds and some rain over our south-western

## WEATHER PROSPECTS.

districts generally. Local thunder showers are probable over the south-eastern quarter of England, but in the north the weather will remain fair for the present.

## FORECASTS FOR THE 24 HOURS NOON Wednesday TO NOON Thursday

0 {  
a South-easterly winds, light or moderate;  
b fair generally; rather warm.

1 {  
a Easterly and South-easterly winds,  
b light; fine at first, local thunder showers later; normal temperature.

3 Same as No. 5.

4 {  
a Same as No. 2.  
b

5 {  
a Light breezes, chiefly from the South-  
b ward or South-eastward; fair generally, but local thunder showers not improbable, air warm and rather close.

## 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 South-easterly winds, light or  
b moderate; fine to-day, some showers to-morrow; normal temperature.

7 {  
a  
b

8 {  
a South-easterly and South-easterly  
b winds, light to fresh; fair at first, some rain later, thunder locally; normal temperature.

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

10 {  
a South-easterly to Southerly winds,  
b freshening; dull, unsettled, some rain; normal temperature.

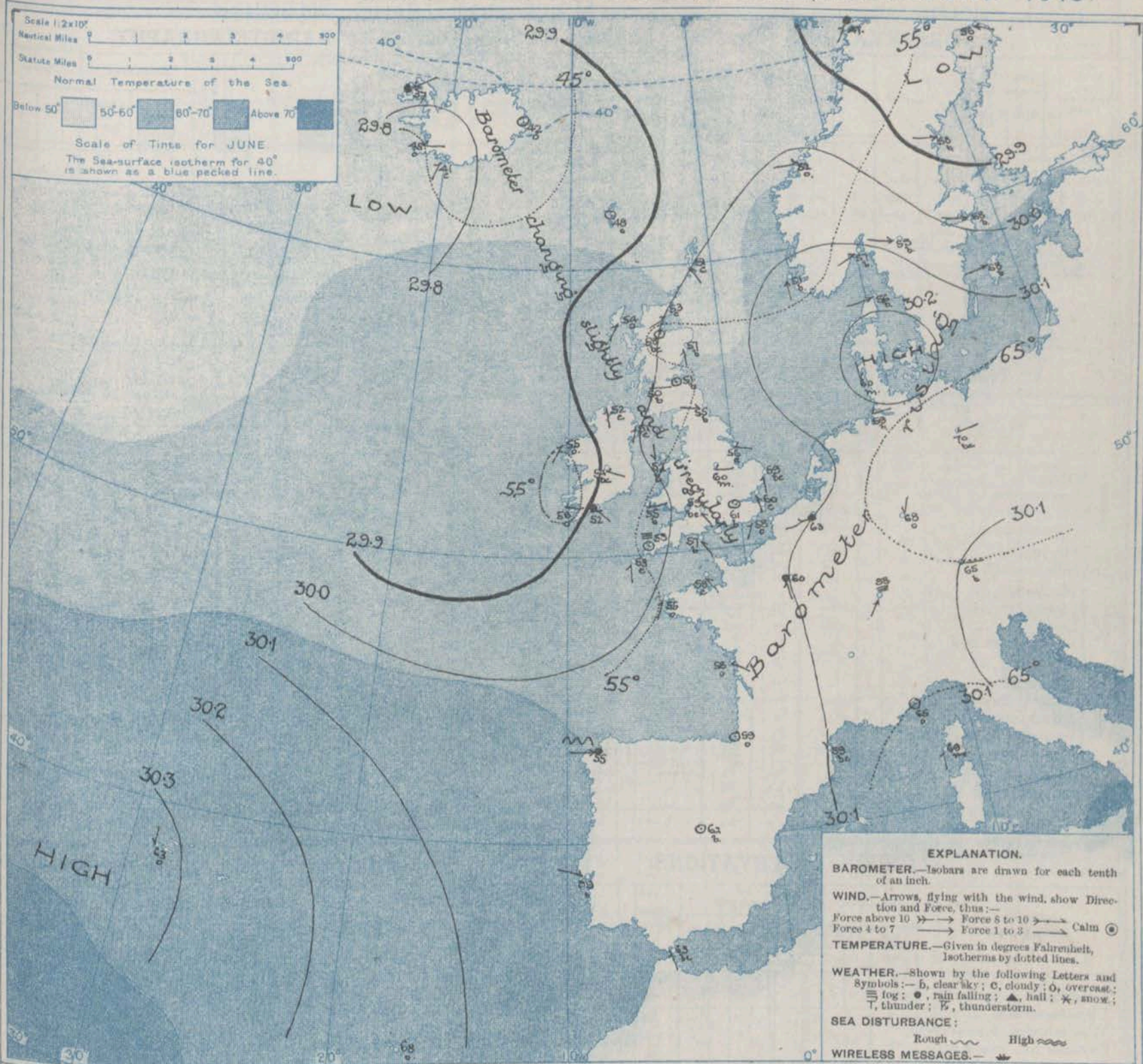
## 11 WESTERN CHANNEL AND BAY.

Light to fresh Southerly winds, and a moderate sea; fair at first, some rain later; normal temperature.

## THE FURTHER OUTLOOK.



SYNOPTIC CHART FOR 7 A.M. WEDNESDAY 4<sup>TH</sup> JUNE 1913



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

Barometrical pressure remains highest over the Azores region, but is also high over Denmark, Germany and the north-east of France. A shallow depression lies to the south-westward of Iceland, and a secondary disturbance is apparently situated to the westward of Ireland.

The wind is light from between South and East over the greater part of the United Kingdom and the neighbouring continental regions. In the north of Scotland it is South-Westerly, while in Scandinavia it is moderate to strong from West or North-West.

Temperature has risen in most places. Over the United Kingdom the morning readings range from  $60^{\circ}$  or a trifle above it over our Midland and South-Eastern counties to  $50^{\circ}$  at Glasgow and Castlebay. The continental values range from between  $65^{\circ}$  and  $70^{\circ}$  in Germany to a little below  $50^{\circ}$  in Finmark. The weather is fair or fine over western Europe as a whole, but is dull in the west and south of Ireland, with rain at Roch's Point. Rain is also falling at Brussels, Paris and Courmoua. The sea is slight or smooth generally.



# DAILY WEATHER REPORT.

Wednesday, 14th June, 1913.

## OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
3rd, 6 p.m.	55	13	<i>Megantic</i>	H	29.70	+0.3	S	4-5	f	3rd, 7 a.m.	54	18	<i>Megantic</i>	H	29.56	+0.2	S	4-5	m
" "	50	12	<i>Monteguma</i>	H	29.92	-0.1	S	4-5	m	" "	47	18	<i>Minneapolis</i>	O	29.84	-0.7	SW	6-7	m
" 7 a.m.	49	20	<i>Laconia</i>	H	29.80	-0.1	SW	4-5	f	" "	50	15	<i>Monteguma</i>	H	29.90	+0.2	SW	1-2	m
" "	48	20	<i>Zeeland</i>	O	29.86	-0.9	SSW	4-5	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	0.10	56	47	b.c.	b.c.	4.0	England, S.E.	Margate	—	67	50	b	b	11.0
	Stonehaven	0.20	60	46	b	b	12.4		Ramsgate	—	65	51	"	"	12.3
	St. Andrews	0.32	61	46	"	"	9.9		Folkestone	—	68	52	b.c.	b.c.	12.5
	Carnoustie	0.22	63	45	"	"	9.3		Littlestone	—	"	"	"	"	12.2
England, N.E.	Harrogate	0.07	66	50	b.c.	b.c.	8.2	England, S.W.	Hastings	—	67	50	b	b	12.6
	Scarborough	"	67	52	c.b.	c.b.	7.0		Bexhill-on-Sea	—	65	52	b.c.	b	12.5
England, N.W.	Blackpool	—	—	—	—	—	—		Eastbourne	—	64	46	b	b	12.4
	Southport	0.14	59	51	b.c.	c.b.	12.0		Seaford	—	72	45	b	b	9.8
	Buxton	0.06	64	49	b	b	11.7		Ebrighton	—	64	47	c.b.	b	9.5
	Leamington Spa	—	71	51	c.b.	b	8.0		Worthing	—	67	47	b	b	12.4
Wales.	Douglas	0.41	56	45	b	b	13.0		Littlehampton	—	64	55	b	b	13.2
	Rhyl	—	59	51	—	—	11.4		Southsea	—	68	56	b	b	13.0
	Colwyn Bay	—	60	49	b	b	10.5		Bournemouth	—	68	49	b.c.	b	12.6
	Llandudno	0.11	61	51	b	b	8.3	England, S.W.	Exmouth	—	62	56	b	b	12.5
England, E.	Bettws-y-Coed	—	67	50	b	b	12.8		Weymouth	—	68	51	b.c.	b	11.3
	Aberystwyth	0.09	58	52	c.b.	c.b.	9.0		Teignmouth	—	63	50	b	b	10.3
	Lowestoft	—	63	52	b.c.	b.c.	11.6		Torquay	—	63	46	b	b	10.0
	Felixstowe	—	63	55	b	b	11.9		Paignton	—	64	47	b	b	3.0
	Walton-on-Naze	—	62	55	b	b	9.9		Ilfracombe	0.03	59	53	o	c.b.	5.0
	Southend-on-Sea	—	70	53	b	b	12.0		Weston-super-Mare	—	70	50	c.b.	b.c.	

## LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		TEMPERATURE.		Rain-fall.	WEATHER.			Sunshine for Yesterday.
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.	Min. on Grass.		Forenoon.	Afternoon.	Night.	
Greenwich (Royal Obs.)	55	69	79	51	38	—	b	b	12.9
City (Rushmill Row)	54	63	73	57	50	—	b	b	10.3
Westminster (St. James's Pk.)	54	63	73	57	50	—	b	b	10.3
Camden Sq. (Brit. Rainfall)	45	76	79	53	50	—	b.c.	b.c.	9.0
Hampstead (Reservoir)	—	66	71	54	46	—	b	b	9.9
Kew. (See front page.)	—	—	—	—	—	—	—	—	—
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETER DURING YESTERDAY.									
			Total.	Mean Rate.		Max. Rate.			
S. Kensington (Roof of M.O.)			47	58	2222 Joules.	379 Milli-watts.	79 Milli-watts.	10.5	

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

14th & 15th June, 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 3.35 3.24	G.M.T. 11.51 11.51	G.M.T. 8.7 8.7
Greenwich	3.42 3.47	11.58 11.58	8.8 8.9
Wick	3.14 3.13	12.10 12.10	9.7 9.8
Valencia	4.26 4.25	12.39 12.39	8.52 8.53

## NOTES ON YESTERDAY'S WEATHER.

During yesterday the thermometer rose to 70° and upwards in several parts of England, to 75° at Kew, and to 79° at Greenwich and Camden Square. The amount of bright sunshine was as a rule very large, more than 12 hours in several places, and more than 13 hours at Dover, Southsea and Seilly. Slight rain fell at several of our western stations. Wireless reports show that as far west as the 20th meridian ships experienced moderate to fresh breezes from the Southward or South-Westward, and cloudy, 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.

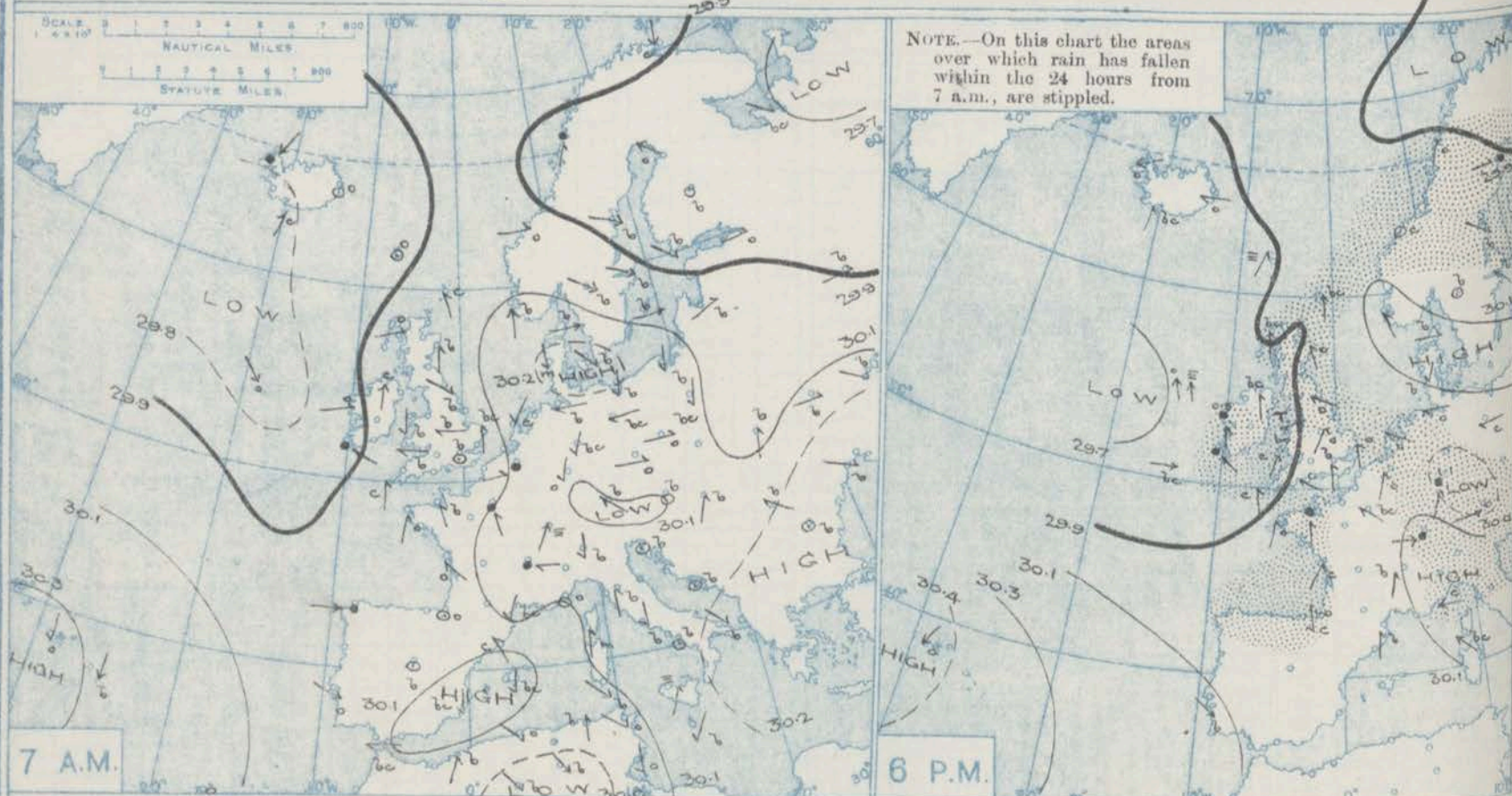
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† Received too late for insertion in Charts.



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 4<sup>TH</sup> JUNE



## GENERAL INFERENCE

The shallow depression over Ireland will continue to spread eastward, and will occasion rain or passing showers

## WEATHER PROSPECTS.

over the United Kingdom generally. On our western coasts the wind is likely to shift to the S.W.

## FORECASTS FOR THE 24 HOURS NOON THURSDAY TO NOON FRIDAY.

- 0 { a } Southerly and South-  
b } Easterly winds, light or  
1 { moderate; fair at first, some  
showers later; rather cooler.  
2 { a }  
b }
- 3 { Southerly and South-  
b } Easterly winds, light or moderate;  
4 { a } fair at first, some rain later;  
b } becoming cooler.  
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 } South. Easterly to South. Easterly  
b } or Easterly winds, light or  
7 { moderate; cool, changeable,  
b } some rain.  
8 { a } South Easterly to Easterly  
b } winds; moderate, some rain at first, then fair; cool.  
9 { a } Light or moderate Easterly  
b } or North. Easterly winds, backing  
later; some rain at first, then  
10 { a } fair; cool.  
b }

### 11 WESTERN CHANNEL AND BAY.

Moderate to fresh Easterly and North. Easterly winds and a moderate sea; showery at first, improving temporarily later; cool.

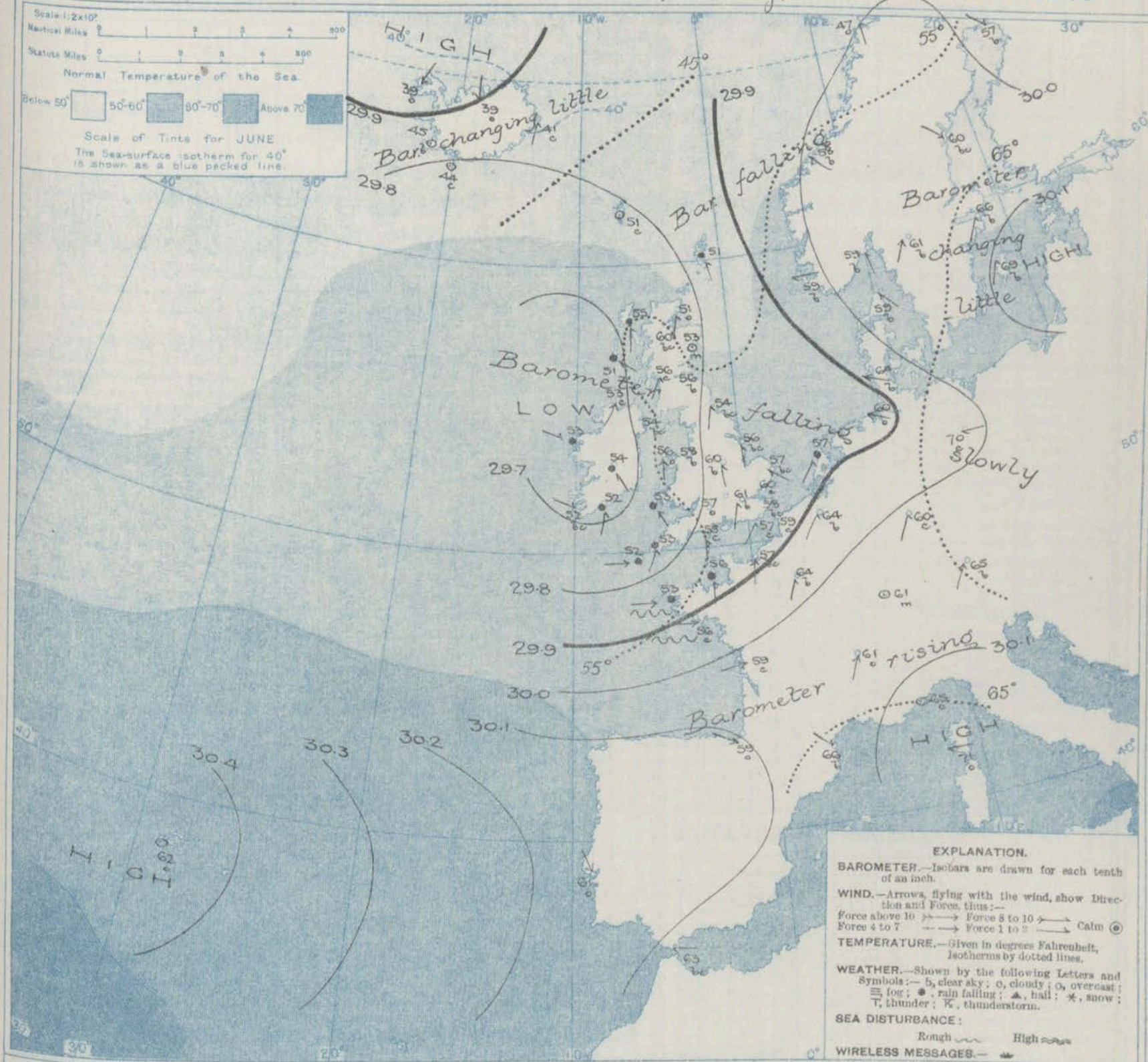
### THE FURTHER OUTLOOK. (All Districts)

General conditions less settled.



# SYNOPTIC CHART FOR 7 A.M. Thursday, 5<sup>th</sup>

JUNE 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

A large shallow depression is advancing over these islands from the Westward, its central area being at present found over and to the northward of Iceland. The highest pressures are apparently still situated over the Azores region, but the barometer is also high over the Baltic.

The wind is light from the Southward over the major part of Great Britain, and from the South Westward in France and Germany, but is Easterly or South Easterly on the eastern side of the North Sea. In the west of Ireland it has shifted to the North Westward. Temperature has changed

rather irregularly. Over the United Kingdom the morning readings range from 60° or a trifle above it over the central parts of England and Scotland to 51° at Lerwick, Wick and Castlebay. Over Germany, the Baltic and the south of France the readings are mostly above 65°. The weather is at present fine over the Eastern and Central parts of Great Britain and also in Scandinavia and Denmark. Rain is falling in Ireland and the south west of England, as well as in Shetland and the Hebrides. The sea is slight or smooth generally.



## DAILY WEATHER REPORT.

Thursday, 5th June 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.	
4th. 6 p.m.	51	14	Royal Edward	O	29.76	.00	W	4-5	bc	4th. 6 p.m.	55	12	Canada	O	29.71	-.08	S	4-5	f
"	55	13	Empress of Ireland	H	29.72	-.02	SSE	4-5	o	" 7 a.m.	54	19	Empress of Ireland	H	29.73	-.02	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.	
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.
Scotland.	In.	F.	F.			Hr.	Margate	In.	F.	F.		
(Oban ...)	...	69	45	bc	bc	10.0	Ramsgate	0.01	67	55	r. b. o	c. o
Stonehaven	...	63	43	bc	bc	9.0	Folkestone	...	65	54	bc	bc
St. Andrews	...	62	45	b	b	8.5	Littlestone	...	66	56	bc	bc
Carnoustie	...	59	44	*	*	9.0	Hastings	...	66	57	o	o. bc. b
England, N.E.	...	70	46	bc. b	bc. o	4.8	Bexhill-on-Sea	...	63	57	bc. o. c	c. bc. b
Harrogate	...	62	50	c. b	o. c	5.4	Eastbourne	...	64	51	bc. o	o. c. bc. b
Scarborough	...	73	47	c	o	8.1	Seaford	0.01	69	50	b	or. c
Blackpool	...	74	47	b. bc. o	bc. o	8.2	Brighton	...	63	52	o. c	c. bc. b
Southport	...	65	43	bc	c	5.8	Worthing	...	65	53	c. bc	c. bc
Buxton	...	71	51	bc	c. b	6.7	Littlehampton	...	69	56	bc	bc
Leamington Spa	...	67	46	b	b. bc. g	9.5	Southsea	...	64	54	c. bc. b	bc. c. b
Douglas	...	73	46	b	b	10.4	Bournemouth	...	66	51	bc. b	b. bc. b
Wales.	...	73	46	b	b	10.4	Exmouth	...	64	51	c. bc. b	bc. op
Rhyl	...	73	47	b	m. b	10.5	Weymouth	...	66	55	d. c	b. bc
Colwyn Bay	...	63	50	bc	b	9.0	Teignmouth	...	64	51	c. b	b. bc
Llandudno	...	63	49	c. bc	c. c. b	6.5	Torquay	...	61	52	b	b
Bettws-y-Coed	...	63	51	bc. c. o	or. c	0.5	Paignton	...	64	49	c. bc	bc. c
Aberystwyth	...	63	58	cm. o	bc. m. o	3.2	Ilfracombe	0.12	68	51	bc	c. op. b
England, E.	...	62	57	o. c. g	o. c. g	1.3	Weston-super-Mare	...	70	51	b	b. bc
Lowestoft	0.03	69	54	bc. c. o	or. c	0.5						
Felixstowe	...	63	58	cm. o	bc. m. o	3.2						
Walton-on-Naze	...	62	57	o. c. g	o. c. g	1.3						
Southend-on-Sea	...	69	57	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.	
	3 p.m. Yester- day.	9 a.m. To-day.	In Screen.	Min. on Grass.		Fore- noon.	After- noon.				In Screen.	Night Min. on Grass.	Night.	Fore- noon.
Greenwich (Royal Obs.)	61	62	71	51	37	o	abc	bc. abc	Dublin to 4 p.m.	...	65	46	bc	bc
City (Bunhill Row)	...	...	...	...	...	...	...	...	Plymouth to 9 p.m.	...	65	49	c. b	c. b
Westminster (St. James's Pl.)	68	72	69	56	49	bc	bc	bc	Darwen	0.01	69	49	bc	bc
Camden Sq. (Brit. Rainfall)	61	60	72	54	49	o	o. bc. b	b. c. b	Manchester	Trace	74	53	bc	bc
Hampstead (Reservoir)	...	60	66	55	44	op. bc	bc	c	Birmingham	...	71	51	39	c
Kew. (See front page.)	...	...	...	...	...	...	...	...	Oxford to 8 p.m.	...	69	50	bc. b	b. c. o
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.									S. Kensington	...	70	57	46	b. bc. o
			Total.		Mean Rate.		Max. Rate.		(Museum Grounds to 6 p.m.)	...	...	...	...	...
S. Kensington (Roof of M.O.)			58 61		946.9 Joules.		16.1 Milliwatts.		...	...	...	...	...	...

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

5th & 6th June 1913.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	3.32	11.51	8.5
	3.34	11.51	8.3
Greenwich	3.47	11.58	8.5
	3.47	11.58	8.3
Wick	3.13	12.10	3.8
	3.12	12.10	3.9
Valencia	4.25	12.39	8.53
	4.25	12.39	8.54

## NOTES ON YESTERDAY'S WEATHER.

During yesterday the thermometer rose to 70° and upwards in several parts of England and Wales, and to 75° at Nottingham. The amount of bright sunshine varied considerably in different localities. Rain was experienced in the west and north generally, and thunder was heard at Glasgow, Holyhead and Liverpool. Wireless reports show between the Irish coasts and the 15th meridian ships experienced moderate fresh breezes from between south and east, and fair, but misty weather; further to the westward the wind was North-easterly.

NOTE.—The information relating to weather is indicated by the following letters:—b, blue sky; bc, sky half clouded; c, sky three parts clouded; d, drizzling rain; e, wet air, without rain falling; f, fog; g, gloom; h, hail; l, lightning; m, mist; o, overcast sky; p, passing showers; q, squalls; r, rain; s, snow; t, thunder; u, ugly, threatening sky; v, visibility, unusual transparency; w, dew; x, hoar frost; z, dust-haze, or smoke.

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1913.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Friday  
6th June 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.	Dry Bulb.	Force (0 to 12).			At 32° Fahr. and M.S.L. Lat. 46°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						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.	Dir.	Force (0 to 12).	In.	In.	F.	Dir.	Force (0 to 12).	In.	F.	F.											
Lerwick ... ..	29.74	51	SE	1	f	29.64	-0.2	50	-1	SE	1	f	1	0.19	52	49	omv	f	f	Hours			
Stornoway ... ..	29.68	62	SW	4	b	29.69	+0.1	54	-1	E	1	o	1	0.06	63	50	or-bc	bc, bgy	or	8.1			
Castlebay (Barra Isd.)	29.66	54	ENE	2	o	29.69	+0.1	51	0	WNW	3	d	2	0.07	56	50	o.c.c	o.c.c	o.c.c	3.0			
Glasgow ... ..	29.66	59	W	1	o	29.69	+0.1	54	-2	W	1	o	2	0.06	64	52	c.b.c	c	o.c.c	3.0			
Malin Head... ..	29.61	55	SSW	3	cmcl	29.71	+0.1	50	-3	WNW	6	em	5	0.03	64	49	cg	cdm	odm	o			
Blacksod Point ... ..	29.66	52	WNW	5	r	29.90	+0.4	50	-3	WNW	3	o	3	0.12	56	47	cpm	orm	orm	o			
Valencia ... ..	29.84	52	W	6	cn	30.02	+0.4	50	-2	W	3	bc	4	0.06	54	49	bc	o.c	ep	1.9			
Roche's Point ... ..	29.75	52	NW	5	c	29.97	o	51	-1	NW	5	c	3	0.08	58	48	r.c	r.c	cg.c	o			
Birr Castle ... ..	29.65	52	W	2	r	29.85	o	48	-6	W	5	c	4	0.56	60	46	or	or	or.c	0.0			
Donaghadee ... ..	29.65	55	SE	2	cmf	29.73	+0.4	51	-3	NW	1	r	2	0.02	56	50	md	cpm	cpm	o			
Liverpool Obsy. ... ..	29.66	56	-	0	r	29.73	+0.3	52	-6	WSW	3	o	2	0.30	66	49	b.b.c	opl.r	or	5.0			
Holyhead ... ..	29.66	53	S	4	ogm	29.75	+0.3	51	-5	WNW	6	o.c.fy	4	0.15	59	50	c.c.m	cpm	or	1.3			
Pembroke (St. Ann's Hd.)	29.70	53	W	4	c	29.86	+0.6	49	-4	NW	6	rg	6	0.34	57	49	cp	c	or	3.0			
Newquay ... ..	29.76	50	W	6	o	29.95	+0.6	51	-2	W	7	og	5	0.18	58	49	o.b.c	bc, pp	op, pp	2.1			
Scilly (St. Mary's) ... ..	29.82	52	WNW	5	cmf	30.00	+0.6	51	-1	WNW	7	cmf, pp	6	0.08	56	48	cmf	cmf	cmf, pp	2.5			
Jersey (St. Aubin) ... ..	29.91	55	WSW	5	c	30.02	o	52	-4	W	5	o	4	0.17	60	49	o.c.p.c	c	bc, pp	4.7			
Portland Bill ... ..	29.78	54	WSW	5	b	29.87	+0.4	52	-3	W	6	c	4	0.09	57	50	bc, p	b.c	bc, or	o			
Dungeness ... ..	29.82	57	SSW	4	c	29.86	+0.1	53	-4	SW	5	c	5	o	62	52	cp	c	c	o			
Dover ... ..	29.84	55	SW	5	b	29.88	o	53	-5	SW	6	o	5	o	62	49	bc, b	b.b.c	b.b.c	12.0			
Wick ... ..	29.66	56	SSW	2	c	29.63	+0.1	54	+3	W	2	m	2	Trace	56	44	o.c	em	f.m	o			
Nairn ... ..	29.64	58	NE	1	o	29.66	o	54	-6	-	0	r	o	0.05	64	41	gg	og, b	g. p	5.4			
Aberdeen ... ..	29.64	59	S	2	c	29.66	+0.1	54	+1	-	0	m	2	o	65	50	mb, cm	cm, c	cm	3.2			
Leith ... ..	29.64	56	-	0	o	29.67	+0.3	56	0	WSW	2	og	2	0.20	65	50	cg	o.c	or	o			
North Shields ... ..	29.67	59	SSE	2	c	29.68	o	55	+1	SW	1	o	2	0.04	65	51	c	o	r	7.1			
Spurn Head ... ..	29.72	57	SSW	3	c	29.74	+0.2	55	-1	WSW	4	bc	4	0.05	63	49	bc	p.c	bc, b	3.6			
Yarmouth ... ..	29.75	65	SSE	2	bc	29.81	+0.2	54	-3	S	3	bc	3	o	67	50	bc	bc	bc	7.6			
Clacton-on-Sea ... ..	29.78	62	SSW	4	bc	29.82	+0.2	55	-5	SSW	5	bc	4	o	65	53	c.b.c	bc, bc	bc	9.5			
Nottingham ... ..	29.69	62	S	3	b	29.74	o	51	-9	SW	2	op	2	0.01	69	46	bc, o	op, c.b	bc	9.4			
Bath ... ..	29.75	58	WSW	3	o	29.83	o	53	-4	W	4	o	2	0.20	64	50	o	o	o	3.2			
London (Kew Obsy.) ... ..	29.78	61	SSW	4	bc	29.82	+0.1	53	-8	SW	3	orm	2	0.05	66	51	bc, c	o, pp, bc	bc, cm	7.4			
Spitzbergen ... ..	29.92	31	NE	3	o	29.93	-0.03	30	+3	-	0	o	o	o	30	23	o	o	o	o			
Isafjord ... ..	29.91	40	NE	6	c	29.82	-0.06	38	-1	NE	3	o	o	o	o	o	o	o	o	o			
Reykjavik ... ..	29.74	50	N	5	o	29.62	-0.03	46	+1	S	o	r	o	o	o	o	o	o	o	o			
Vestmanna ... ..	29.78	49	E	1	c	29.62	-0.01	41	-3	-	0	r	o	o	o	o	o	o	o	o			
Seydisfjord ... ..	29.87	44	NE	4	c	29.80	-0.04	38	-3	NE	3	o	o	o	o	o	o	o	o	o			
Thorshavn ... ..	29.82	50	WSW	4	o	29.60	-0.01	50	-1	WSW	3	f	o	o	o	o	o	o	o	o			
Haparanda ... ..	29.92	52	SW	2	o	29.76	-0.06	52	-5	SW	2	o	o	o	63	45	o	o	o	o			
Hernösand ... ..	30.02	54	SW	4	b	29.89	-0.05	60	0	S	4	b	o	o	66	50	o	o	o	o			
Stockholm ... ..	30.04	57	SE	2	b	29.94	-0.05	67	+1	SE	2	c	o	Trace	70	52	o	o	o	o			
Wisby ... ..	30.03	59	-	0	b	29.94	-0.02	69	o	S	2	b	o	o	72	52	o	o	o	o			
Karlstad ... ..	29.91	68	SE	2	b	29.88	o	58	-3	SE	2	c	o	o	81	57	o	o	o	o			
Færder (X'ania Fjord)	29.88	66	-	0	b	29.80	-0.01	57	-2	SSW	4	f	o	o	66	57	o	o	o	o			
Bodö ... ..	29.93	48	-	0	bc	29.77	-0.04	50	+3	E	1	r	1	0.28	50	45	o	o	o	o			
Christiansund ... ..	29.86	61	-	0	b	29.87	-0.03	60	+2	-	0	b	2	o	64	54	o	o	o	o			
Skudesnaes ... ..	29.81	60	N	2	m	29.69	o	55	-4	SW	6	o	4	0.43	59	52	o	o	o	o			
The Scaw (Skagen) ... ..	29.86	62	S	3	o	29.86	+0.04	58	-1	SW	2	o	o	o	73	55	o	o	o	o			
Blaavands Huk ... ..	29.82	58	SSW	2	m	29.83	+0.01	57	-7	SSW	2	r	1	0.04	72	52	o	o	o	o			
Cuxhaven ... ..	29.86	62	W	1	o	29.91	+0.02	60	o	SW	4	c	1	o	68	57	o	o	o	o			
The Helder ... ..	29.84	61	S	2	o	29.90	+0.04	55	-2	SSW	5	c	2	0.20	64	54	o	o	o	o			
Brussels ... ..	29.87	60	SSE	1	b	29.99	+0.06	54	-10	SW	2	c	o	0.20	73	59	o	o	o	o			
Berlin ... ..	29.91	73	S	1	b	29.99	+0.03	67	-3	NW	4	b	o	Trace	79	59	o	o	o	o			
Frankfurt ... ..	29.97	64	SW	3	tl	30.07	+0.04	57	-3	SW	3	r	o	0.16	31	57	o	o	o	o			
Munich ... ..	30.03	56	W	7	r	30.11	+0.02	56	-9	W	3	r	o	0.47	73	55	o	o	o	o			
C. Gris Nez ... ..	29.85	57	SW	4	bc	29.88	+0.02	54	-5	SW	6	o	5	o	66	52	o	o	o	o			
La Hève ... ..	29.92	56	SW	4	r	29.97	o	51	-6	WSW	5	o	5	0.43	61	48	o	o	o	o			
Brest (St. Mathieu) ... ..	29.99	55	W	5	c	30.10	+0.06	53	o	W	5	o	5	0.04	55	50	o	o	o	o			
Lorient (Beo Melen) ... ..	29.95	55	W	5	o	30.11	o	52	-4	NW	5	c	5	0.08	61	50	o	o	o	o			

## GALES.

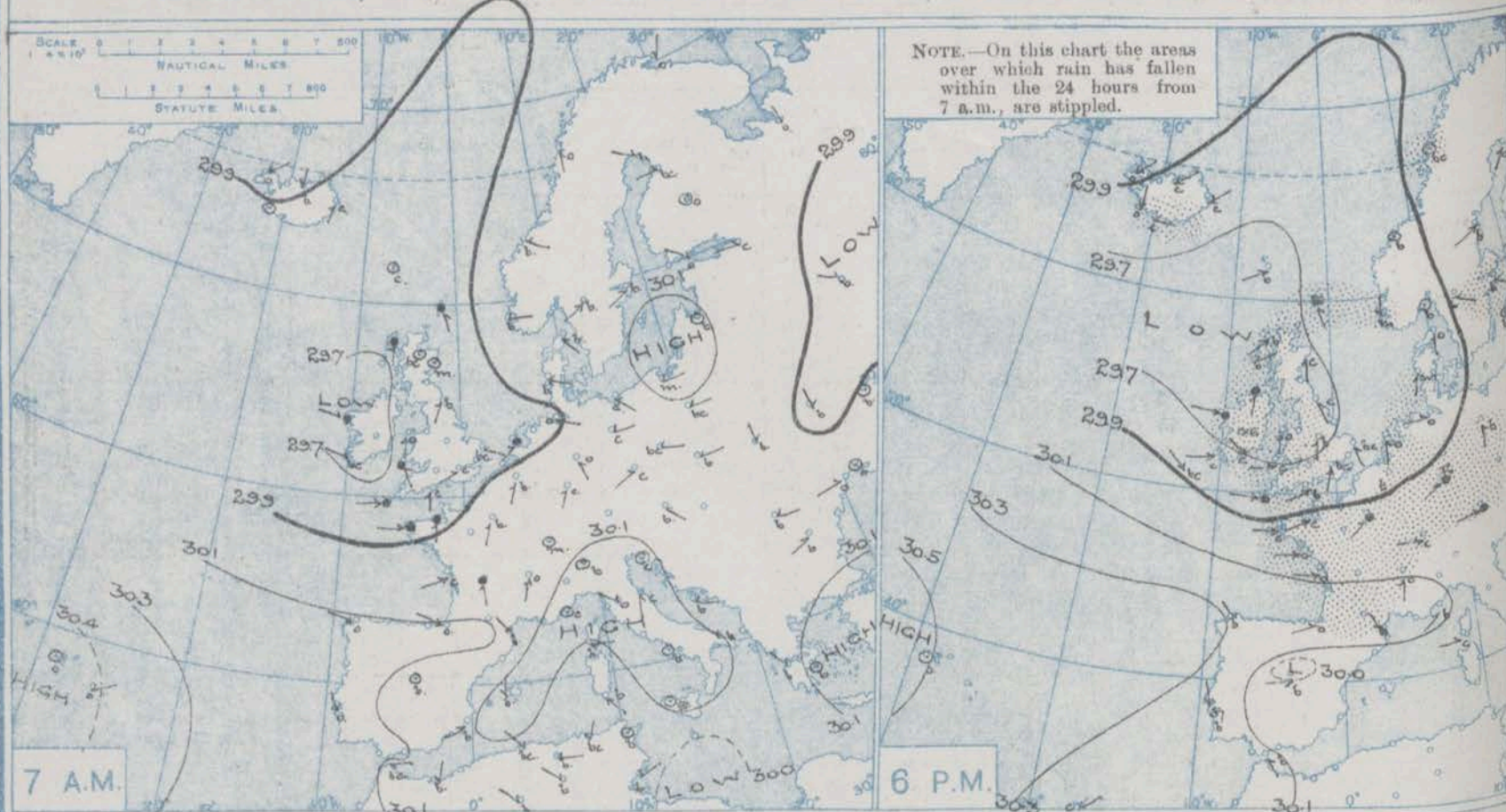
Duration and Extreme Force  
on British Coasts.

\* 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. 5TH JUNE.



## GENERAL INFERENCE

## WEATHER PROSPECTS.

The depression over Great Britain will continue to move eastward, and as it passes away a temporary improvement in the weather will take place over

the United Kingdom generally. Another disturbance over the Atlantic will cause a gradual backing of the wind to South-West on our western coasts.

## FORECASTS FOR THE 24 HOURS NOON

Friday

TO NOON Saturday.

0 {  
a  
b  
1

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

2 {  
a  
b

3

Fresh South-Westerly to Westerly winds; showery to-day, finer to-morrow; remaining cool.

4 {  
a  
b

5

## FORECAST DISTRICTS.



## STORM WARNINGS.

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

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

No Warnings Issued.

6 {  
a  
b

7 {  
a  
b

8 {  
a  
b

9 {  
a  
b

10 {  
a  
b

Strong Westerly and North-Westerly winds, moderating and backing later; some showers at first, then fair; remaining cool.

Moderate North-Westerly to South-Westerly winds; fair to-day, some rain to-morrow; remaining cool.

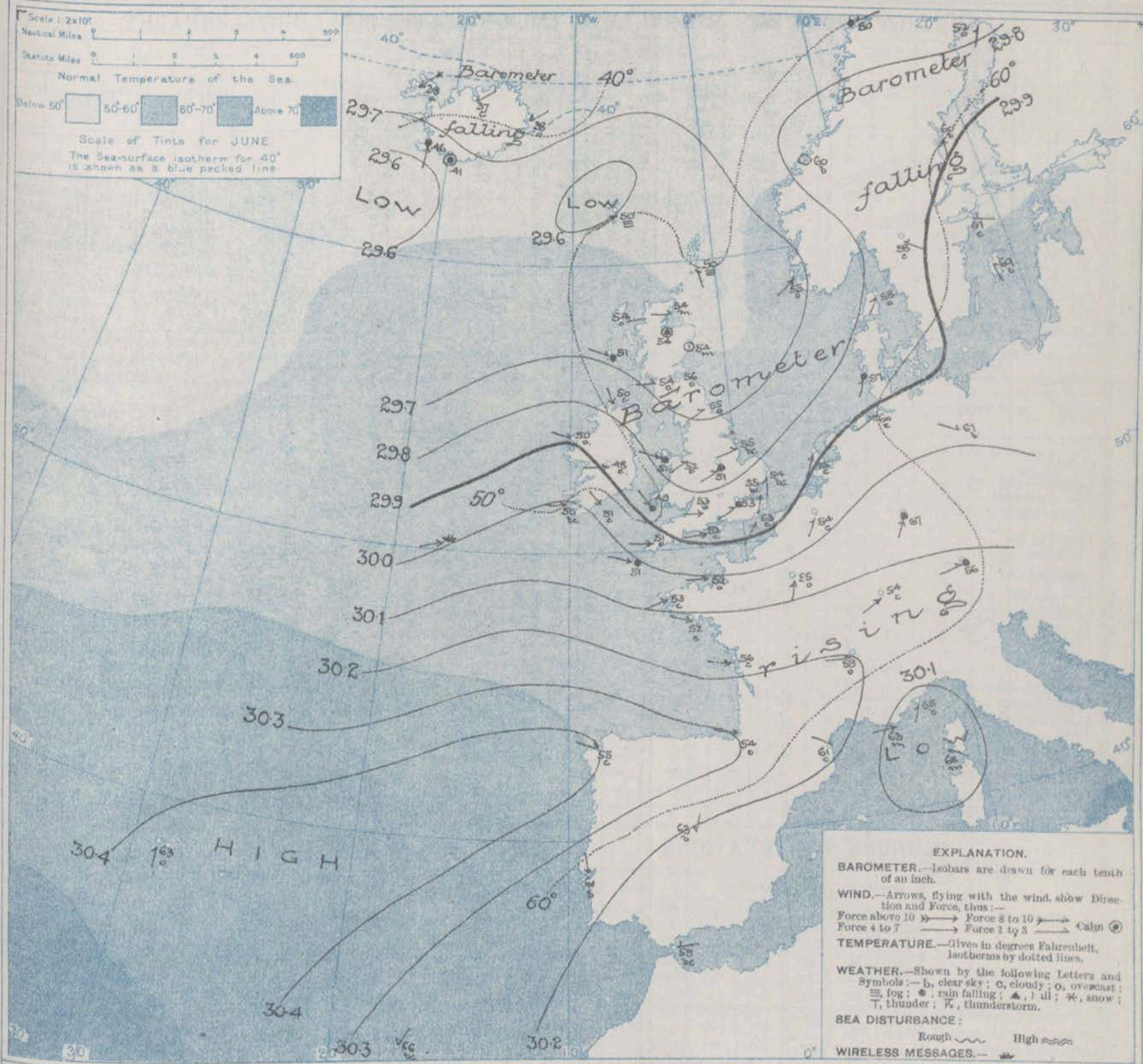
## 11 WESTERN CHANNEL AND BAY.

Strong Westerly and North-Westerly winds, moderating and backing later; sea rough; some showers at first, then fair; remaining cool.

## THE FURTHER OUTLOOK.



SYNOPTIC CHART FOR 7 A.M. FRIDAY, 6TH JUNE 1913



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

An anticyclone lies over the southern portion of the North Atlantic, its borders extending eastward as far as Spain and the south-west of France. A large depression of moderate intensity is moving eastward across Great Britain and the North Sea.

The wind is strong to high from the Westward or North-Westward on all our western coasts, but is light to moderate from the South-Westward over the eastern and central parts of the United Kingdom, and in all neighbouring portions of the Continent. In Sweden it is Southerly or

South-Easterly. Temperature has fallen generally. Over the United Kingdom the morning readings range from about  $55^{\circ}$  at the east coast stations to  $49^{\circ}$  at Pimbroke, and  $48^{\circ}$  at Birr Castle. In the south of France the thermometer is above  $60^{\circ}$ , and over North Germany and the Baltic it is above  $65^{\circ}$ . The weather is in a very changeable condition generally. Rain is falling in many parts of the United Kingdom, as well as in Western and Southern Germany and in Southern Iceland. The sea is rough or rather rough on our western and southern coasts, moderate or slight elsewhere.



## DAILY WEATHER REPORT.

Friday, 6th June, 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.	
6th Jan. 50 17			<i>Olympic</i>		In. 29.99	- .16	WSW	6-7	o						In.	In.		(0-12).	
5th, 6pm. 51 13			<i>Bellic</i>	H	30.08	.00	NW	4-5	bc.										
7am 50 17				H	30.09	- .01	WNW	4-5	a										

## 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 ...	.030	63	54	b.c. bc.	bc.	4.1	England, S.E.	Margate ...	..	66	55	b.	b.	7.6
	Stonehaven ...	.024	60	43	f.	bc.c.	0.0		Ramsgate ...	..	66	54	*	*	7.2
	St. Andrews ...	.028	66	51	o	o	3.1		Folkestone ...	..	61	54	bc.b.	b.	9.0
	Carnoustie ...	.029	59	51	*	*	4.8		Littlestone ...	..	*	*	*	*	8.8
Eng. N.E.	Harrogate ...	.009	65	49	c.b.c.	c.b.c.	4.1	England, S.W.	Hastings ...	.004	63	53	b.c.c.	op.b.c.	10.0
	Scarborough ...	*	59	53	c.b.	c.b.	4.7		Bexhill-on-Sea ...	.006	62	56	b.o.	r.b.c.	9.0
England, N.W.	Blackpool ...	.017	67	51	c	c.b.	5.5		Eastbourne ...	.004	62	52	b	bc.c.	5.9
	Southport ...	.019	64	52	bc.c.	c.b.	5.0		Seaford ...	.005	62	52	b.o.	or.b.c.	5.7
	Buxton ...	.027	66	45	bc	bc.c.	4.2		Brighton ...	.009	60	56	c.o.	or.c.	6.4
	Leamington Spa ...	.006	67	50	bc	c.b.	6.3		Worthing ...	.007	62	55	cr	c.w.	6.6
Wales.	Douglas ...	.008	57	51	b.b.c.	bc.c.	4.0		Littlehampton ...	.003	66	57	*	*	6.5
	Rhyl ...	.034	62	52	or	o	3.3		Southsea ...	.003	61	54	o.c.b.	c.b.c.	3.6
	Colwyn Bay ...	.021	62	53	bc	bc.c.	2.3		Bournemouth ...	.002	59	52	od.c.	c	7
	Llandudno ...	.018	63	50	bc	bc.	0.0	England, S.W.	Exmouth ...	.006	61	54	c.op	op	5.0
England, S.W.	Bettws-y-Coed ...	*	59	54	to c	c.b.	2.0		Weymouth ...	.002	61	54	or.c.	bc.b.	4.5
	Aberystwyth ...	.021	59	54	to c	c.b.	2.0		Teignmouth ...	..	..	..	..	..	..
	Lowestoft ...	.005	64	54	c.b.c.	bc.c.	6.5		Torquay ...	.004	60	54	cp.b.c.	bc.p.	2.6
	Felixstowe ...	..	66	55	c.b.c.	bc.c.	7.2		Paignton ...	.003	61	53	cp.b.c.	bc.p.	2.6
	Walton-on-Naze ...	..	64	57	c.b.c.	bc.c.	7.0		Ilfracombe ...	.023	62	53	cp	c.b.c.	1.5
England, S.W.	Southend-on-Sea ...	..	71	56	b	b	9.5		Weston-super-Mare ...	.008	62	52	rc.b.	b.p.c.	..

## 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.	
	%	%	Max.	Min.		24 HOURS ENDED 9 A.M. TO-DAY.			
Greenwich (Royal Obs.) ...	79	93	70	49	0.06	bc	bc	bc.c.	7.8
City (Bunhill Row) ...	..	..	..	..	..	..	..	..	6.8
Westminster (St. James's Pk.) ...	92	90	65	52	0.05	bc.	cr.	o.c.	6.6
Camden Sq. (Brit. Rainfall) ...	85	89	71	51	0.04	c.b.c.	cor.b.c.	bc.c.	5.9
Hampstead (Reservoir) ...	*	94	64	48	0.09	bc.	bc.p.	or.od	7.4
Kew. (See front page.)	..	..	..	..	..	..	..	..	..
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETER DURING YESTERDAY.									
Total.			Mean Rate.		Max. Rate.				
S. Kensington (Roof of M.O.)			1589 Joules.		269 Milliwatts.		74 Milliwatts.		6.2

## Additional Observations for Yesterday.

STATIONS.	RAIN- FALL.	TEMPERATURE.		WEATHER.			Sun- shine for Yester- day.
		In Screen.	Night Min. on Grass.	Night.	Fore- noon.	After- noon.	
		Max.	Min.				
Dublin to 4 p.m.	.004	60	52	49	c.o	od	op
Plymouth to 9 p.m.	.014	59	51	49	op	bc.od	od
Darwen "	.002	65	49	45	bc.w	bc	bc.op
Manchester "	..	..	..	..	..	..	..
Birmingham "	.018	62	59	44	c	r	c
Oxford to 8 p.m.	..	66	52	45	bc.b.c.	bc.c.	op.o
S. Kensington (Museum Grounds to 6 p.m.)	.003	68	56	45	bc.c.	c.o.	o.c.

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

6th & 7th June, 1913.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 3.34 3.33	G.M.T. 11.51 11.51	G.M.T. 8.9 8.10
Greenwich ...	3.47 3.46	11.58 11.58	8.9 8.10
Wick ...	3.12 3.11	12.10 12.10	9.9 9.10
Valencia ...	4.25 4.24	12.39 12.39	8.54 8.55

## NOTES ON YESTERDAY'S WEATHER.

During yesterday the thermometer rose to 65° and upwards in many parts of Great Britain, and to 71° at Camden Square and Southend-on-Sea; in Ireland the maximum readings were mostly below 60°. The amount of bright sunshine was, as a rule, somewhat small. Rain was experienced on all but our east and south-east coasts; thunderstorms occurred at Harrogate and Colwyn Bay & thunder was heard at several of our northern stations. Wireless reports show that as far west as the 17th meridian ships experienced fresh to strong winds from the Westward, and fair weather.

NOTE.—The information relating to weather is indicated by the following letters—b, blue sky; bc, sky half clouded; c, sky three parts clouded; d, drizzling rain; e, wet air, without rain falling; f, fog; g, gloom; h, hail; l, lightning; m, mist; o, overcast sky; p, passing showers; q, squalls; r, rain; s, snow; t, thunder; u, ugly, threatening sky; v, visibility, unusual transparency; w, dew; x, hoar frost; z, dust-haze, or smoke.

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



12.22

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Saturday  
7th June 1913.

913.

Wear  
Ther.Sun-  
shine  
to  
6 p.m.Hr.  
7.6

9.0

10.0

9.0

5.7

6.6

6.5

3.6

7

6.0

4.5

2.6

1.5

Sun-  
shine  
for  
Yester-  
day.Hr.  
1.8

5.7

6.0

n the  
opps.

STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shine for Yester- day.
		BAROM.		TEMP.		WIND.	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.				
		At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	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.	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.	
																				Hours			
Lerwick ... ..		29.67	49	-	0	f	29.33	-1.0	50	0	ESE	2	f	3	-	54	47	f	f	f			
Stornoway ... ..		29.71	52	WSW	3	0	29.30	-0.0	50	-4	SW	7	c	5	0.1	58	47	odp.c	c.odp	od.cq	0.1		
Castlebay (Barra Isd.)		29.70	50	S	4	bc	29.34	-0.0	50	-1	WSW	6	o	6	0.2	53	46	d.o	c.bc	bc.od	2.8		
Glasgow ... ..		29.77	51	W	4	o	29.53	+0.1	49	-5	W	5	o	11	57	47	c	c.bc	c.bc	2.1			
Malin Head ... ..		29.71	52	SSW	3	bc	29.46	-0.2	50	0	W	8	cpmq	6	0.14	57	48	bc	bc	cpmq	*		
Blackod Point ... ..		29.63	53	SW	7	r	29.62	+0.2	51	+1	W	7	o	6	0.34	51	48	og	og	cpmq	*		
Valencia ... ..		29.78	53	SSE	5	r	29.87	+0.5	51	+1	SW	6	o	6	0.48	55	50	bc	bc	cpmq	1.6		
Roche's Point ... ..		29.92	52	SSW	4	r	29.86	-	51	0	W	5	b	5	0.20	57	50	o.c	or	fm.a.b	*		
Birr Castle ... ..		29.80	52	S	3	r	29.74	-	50	+2	W	6	c	11	0.14	57	47	c	od	or.c	2.9		
Donaghadee ... ..		29.81	53	WSW	2	bc	29.62	+0.1	50	-1	SW	2	c	2	0.17	54	49	c	bc	or	*		
Liverpool Obsy. ... ..		29.90	54	W	4	bc	29.72	+0.3	51	-1	WSW	5	o	5	0.09	55	48	od	o.bc	or	1.2		
Holyhead ... ..		29.91	54	SSW	4	bc	29.74	+0.6	52	+1	W	6	bcq	5	0.24	58	50	dom.c	o.c.bc	o.or.bc	4.2		
Pembroke (St. Ann's Hd.)		30.00	51	WSW	5	c	29.84	+0.8	51	+2	WNW	5	cpmq	4	0.22	55	49	ormq	cq	emp.c	5.0		
Newquay ... ..		30.09	52	SW	6	or	29.94	+0.5	54	+3	W	4	b	5	0.15	55	50	o.b	b.op	op.or	4.8		
Scilly (St. Mary's) ... ..		30.09	52	WSW	4	orm	29.96	+0.5	54	+3	W	4	cmd	5	0.16	58	50	bc	orm	cp	5.4		
Jersey (St. Aubin) ... ..		30.17	56	W	5	bc	30.08	-	53	+1	SW	4	odm	4	0.09	57	51	bc.c	c.o.c	c.odm	4.6		
Portland Bill ... ..		30.05	55	W	5	bc	29.92	-0.3	54	+2	SW	7	o	5	0.06	56	51	c.r	c.bc	c.orm	*		
Dungeness ... ..		29.94	57	WSW	6	c	29.96	-0.1	53	0	SSW	7	rg	6	0.15	58	50	c.or.c	c	cpq.p	*		
Dover ... ..		29.93	56	SW	4	r	29.90	-	49	-4	SW	6	r	6	0.10	57	47	o.rpr	c.bc	v.c.bc	3.9		
Wick ... ..		29.67	55	-	0	c	29.33	-0.5	48	-6	W	5	rg	4	0.34	59	47	cm	emp	orm	*		
Nairn ... ..		29.68	57	-	0	o	29.36	-	50	-4	W	1	o	1	0.15	66	46	z.bc	mp	r.o	2.3		
Aberdeen ... ..		29.68	58	-	0	c	29.37	-0.6	54	0	S	3	b	2	0.05	61	48	m.mc	c.ellp	c.bc	0.8		
Leith ... ..		29.74	56	W	2	b	29.48	+0.1	52	-4	WSW	5	b	2	-	65	50	o.c.b	b	b	*		
North Shields ... ..		29.75	62	WSW	3	c	29.54	-0.1	51	-4	S	4	o	2	0.04	66	47	c	c	r	5.3		
Spurn Head ... ..		29.80	56	WNW	5	o	29.70	-0.4	52	-3	SSW	6	oq	5	0.03	64	48	bc	cpt	bc.cq	7.0		
Yarmouth ... ..		29.85	62	SW	2	bc	29.88	-0.1	51	-3	SSW	4	o	4	-	63	49	bc	bc	c.o	6.9		
Clacton-on-Sea ... ..		29.88	59	WSW	4	a	29.92	-0.2	54	-1	SSW	5	o	4	0.08	61	50	bc.cq	cpt.c	c.op	2.7		
Nottingham ... ..		29.88	58	W	4	o	29.75	-	54	+3	SW	5	op	1	0.07	65	47	op.c	c.o	c.c.b	1.4		
Bath ... ..		30.02	54	W	4	c	29.87	-	55	+2	SW	5	r	1	0.04	58	48	-	-	-	0.5		
London (Kew Obsy.) ... ..		29.98	56	WNW	4	o	29.91	-0.3	54	+1	SW	6	oq	1	0.07	62	49	orm.co	op.or	c.c.bc	1.3		
																				GALES.			
																				Duration and Extreme Force on British Coasts.			
																				Malin Head.			
																				7-7 a.m. Extreme SW-NW 8.			
																				Pembroke.			
																				1 a.m. Extreme SW 8.			
Haparanda ... ..		29.63	52	-	0	c	29.52	-0.3	55	+3	NE	6	bc	1	0.04	61	45	-	-	-	*		
Hernösand ... ..		29.72	57	S	2	b	29.66	-0.0	66	+6	SW	2	b	1	-	66	54	-	-	-	*		
Stockholm ... ..		29.84	64	SSW	2	b	29.77	-0.1	64	-3	W	2	o	1	Trace	75	59	-	-	-	*		
Wisby ... ..		29.87	64	S	4	b	29.83	+0.1	61	-8	W	2	c	1	-	77	57	-	-	-	*		
Karlstad ... ..		29.84	62	-	0	b	29.82	-0.0	58	0	SW	4	o	1	-	70	55	-	-	-	*		
Færder (X'laia Fjord)		29.84	58	SSW	3	m	29.79	-0.2	56	-1	SW	5	o	3	-	59	55	-	-	-	*		
Bodö ... ..		29.62	49	SW	2	bc	29.60	+0.2	46	-4	SW	2	r	2	0.12	54	45	-	-	-	*		
Christiansund ... ..		29.72	52	WNW	2	c	29.58	-0.2	51	-9	E	0	f	2	0.08	55	50	-	-	-	*		
Skudesnaes ... ..		29.79	52	S	4	o	29.64	-0.4	53	-2	S	0	c	4	-	55	50	-	-	-	*		
The Scaw (Skagen) ... ..		29.88	55	W	3	o	29.88	-0.3	56	-2	SSW	3	o	0	0.04	64	50	-	-	-	*		
Blaavands Huk ... ..		29.93	54	SW	2	b	29.85	-0.4	55	-2	SSW	4	r	3	Trace	61	52	-	-	-	*		
Cuxhaven ... ..		29.95	59	E	2	r	29.97	-0.0	54	-6	SW	4	o	1	0.08	64	48	-	-	-	*		
The Helder ... ..		29.92	55	SSW	5	c	29.94	+0.1	54	-1	SSW	6	c	3	0.04	59	54	-	-	-	*		
Brussels ... ..		30.04	53	WSW	4	c	30.12	+0.3	50	-4	SW	5	o	1	0.08	62	49	-	-	-	*		
Berlin ... ..		29.97	64	W	3	o	30.09	+0.4	60	-7	NW	4	b	1	0.12	73	55	-	-	-	*		
Frankfurt ... ..		30.12	53	SW	4	b	30.21	+0.1	53	-4	SW	3	bc	1	0.12	66	48	-	-	-	*		
Munich ... ..		30.17	50	SW	4	o	30.25	+0.2	52	-4	W	5	o	1	0.63	57	48	-	-	-	*		
C. Gris Nez ... ..		29.97	54	SW	6	o	30.02	-0.2	54	0	SSW	6	r	6	0.12	55	52	-	-	-	*		
La Hève ... ..		30.12	53	W	5	o	30.04	-	51	0	WSW	6	r	5	0.04	59	48	-	-	-	*		
Brest (St. Mathieu) ... ..		30.25	55	W	4	r	30.11	-0.0	55	+2	SW	5	r	4	0.08	59	52	-	-	-	*		
Lorient (Boc Melen) ... ..		30.25	55	WNW	5	o	30.13	-	56	+4	SW	5	o	5	0.04	59	52	-	-	-	*		
Rochefort (Ile d' Aix)		30.30	57	WNW	5	c	30.30	+0.2	58	+2	WSW	4	o	1	0.24	63	55	-	-	-	*		
Biarritz ... ..		30.38	59	WNW	4	bc	30.36	-0.0	57	+3	WNW	1	b	3	-	59	50	-	-	-	*		
Paris ... ..		30.14	54	WSW	2	o	30.12	+0.1	52	-3	SSW	3	o	1	0.12	64	48	-	-	-	*		
Belfort ... ..		30.17	58	WSW	6	c	30.32	-	49	-5	WSW	3	o	1	?	67	45	-	-	-	*		
Lyons ... ..		30.22	56	WNW	4	c	30.35	-	50	-8	NW	3	c	1	0.04	64	48	-	-	-	*		
Nice ... ..		29.45	67	W	7	c	30.00	+0.6	63	-2	W	1	b	0	-	81	57	-	-	-	*		
Perpignan ... ..		30.24	62	NW	3	o	30.32	+0.3	59	-2	WNW	2	b	0	-	66	53	-	-	-	*		
Sanguinaire ... ..		30.03	67	W	4	m	30.00	-	62	-6	W	6	m	0	-	72	59	-	-	-	*		
Corunna (8 a.m.) ... ..		30.36	57	WNW	2	c	30.32	-0.0	56	+1	NW	1	f	5	-	59	52	-	-	-	*		
Lisbon (8 a.m.) ... ..		30.14	66	SE	3	bc	30.20	-	66	+7	SE	5	o	2	-	79	58	-	-	-	*		
Gibraltar ... ..		30.04	65	S	1	o	30.12	+0.1	65	+2	SSW	3	o	3	-	70	64	-	-	-	*		
Azores (Horta 8 a.m.)																							
Madeira (Funchal) ... ..																							

## GALES.

Duration and Extreme Force  
on British Coast.

Malin Head.

7-7 a.m. Extreme SW-NW 8.

Pembroke.

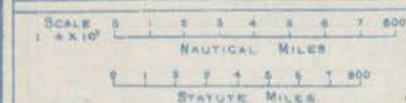
1 a.m. Extreme SW 8.

\* Information for these columns not usually received.

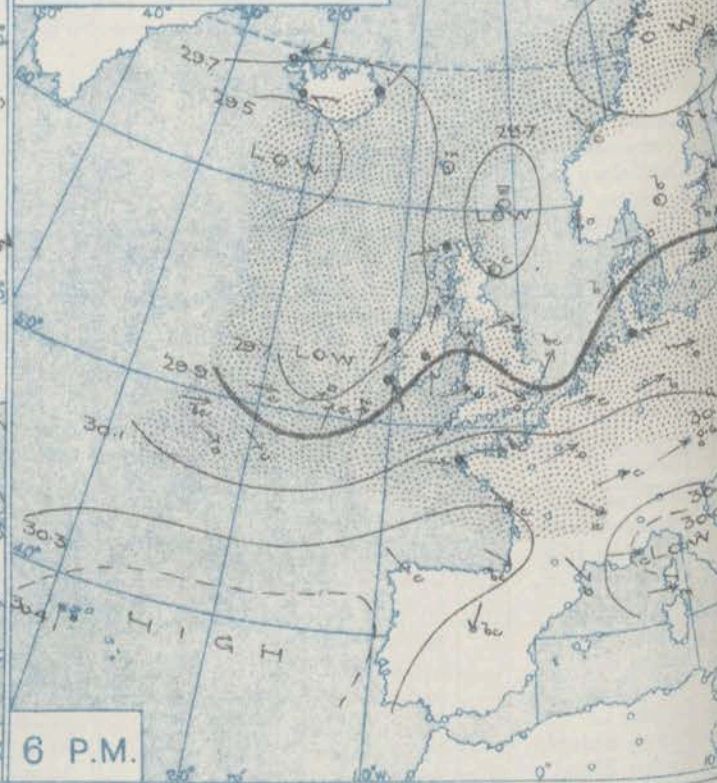
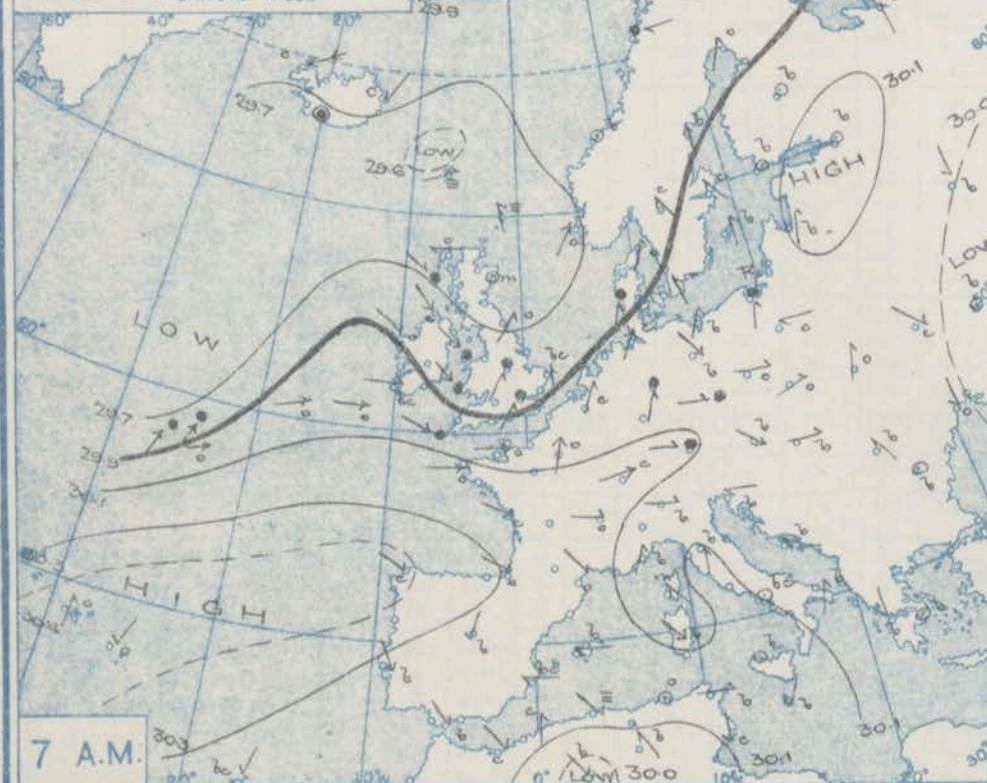
† Received too late for insertion in Charts.



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 6<sup>th</sup> JUNE.



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 depression off the north of Scotland is likely to travel north-eastwards, and a temporary improvement in the weather will take place over the United

Kingdom generally. The conditions are favourable for the advance of other disturbances from the westward.

## FORECASTS FOR THE 24 HOURS NOON

Saturday

TO NOON Sunday.

0 { Westerly winds, strong to high in force; some showers at first, then fair; cool.

1 South-Westerly to Westerly winds, fresh and gusty; showery at first, improving temporarily later; cool.

4 { South-Westerly to Westerly winds, strong on coast; squally and showery at first, improving temporarily later; 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 Cone.	South Cone.
North Cone.	North Cone.

Storm hoisted at 2.23 p.m. on June 5. 10.11.  
~ do ~ 6.45 p.m. ~ do ~ 6.7.19.  
~ do ~ 9.30 a.m. ~ do ~ 0.1.

6 { Westerly to North-Westerly winds, strong to moderate; some showers at first, then fair; remaining cool.

9 { Westerly and North-Westerly winds, backing later; fair at first, then cloudy, with some rain; remaining cool.

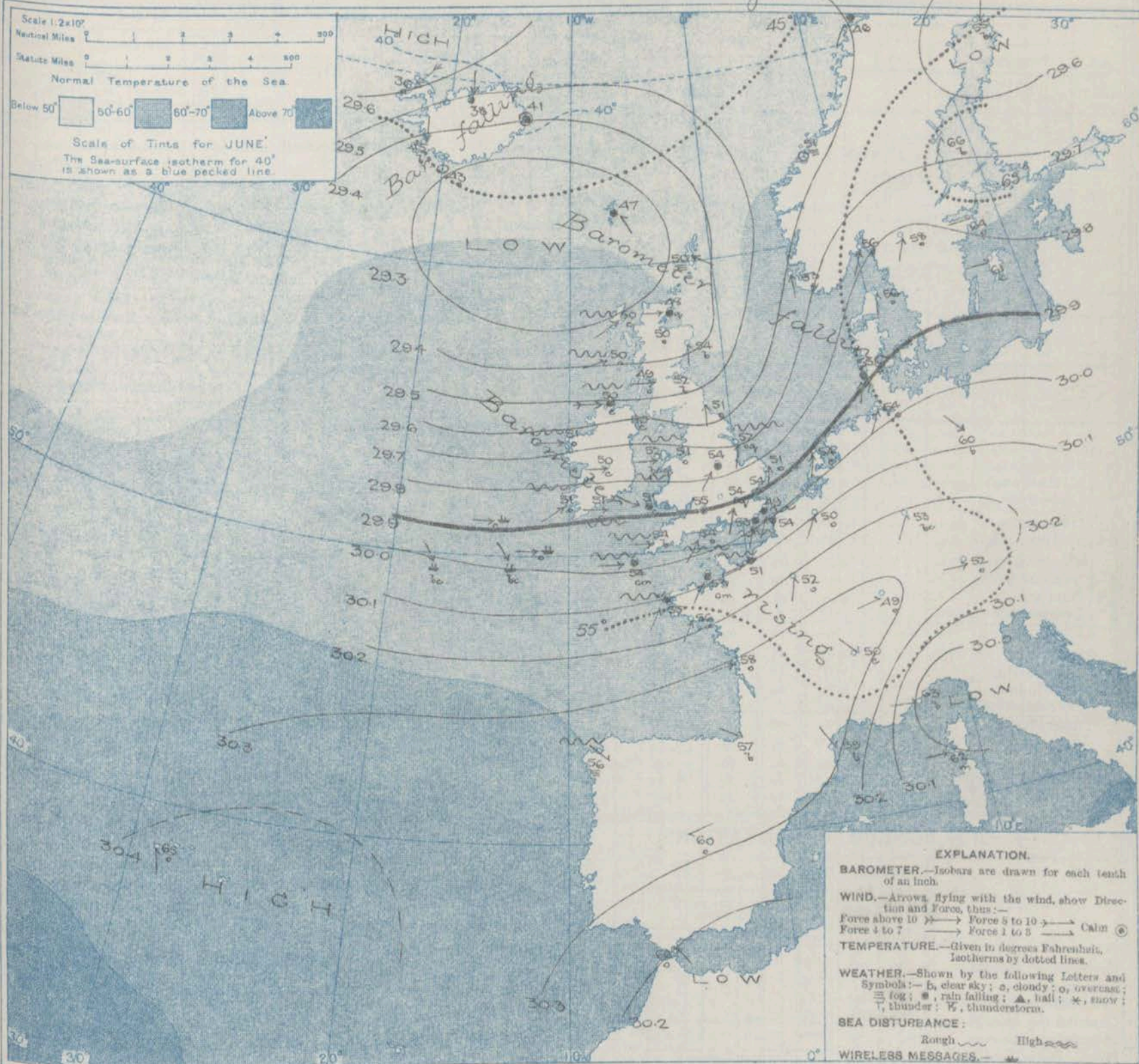
## 11 WESTERN CHANNEL AND BAY.

Strong Westerly winds and a rough sea; some showers at first, improving temporarily later; remaining cool.

## THE FURTHER OUTLOOK.



# SYNOPTIC CHART FOR 7 A.M. *Saturday, 7<sup>th</sup>* JUNE 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

The centre of a well marked depression has advanced from the Atlantic and is now travelling in a north easterly direction between Scotland and Iceland. Over the United Kingdom and the North Sea the barometric gradient is rather steep.

The wind is strong from the Westward on all our west and south West coasts. In the eastern and central parts of Great Britain and the western portions of the Continent it is moderate to fresh from the Southward or South Westward. Temperature has risen slightly in the west, fallen elsewhere. Over the United Kingdom the morning readings range mostly

between 50° and 55°, but at some stations in the north and west of Scotland the thermometer is slightly below 50°. In Sweden and in the extreme south of France the thermometer is above 60°. The weather is in a changeable, showery condition generally, but is fine in the south of France, and also over the Gulf of Bothnia. The sea is rough on all our western and northern coasts.



## 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 Jan.	49	13	Lapland	H	30.05	00	NW	4-5	bc.	7th Jan.	50	10	Montreal	H	29.93	+0.03	W	4-5	bc.
7th Jan.	49	17	Minnewaska	H	30.05	-0.02	NW	4-5	bc.	6th Gpm.	50°32'	13°0'	H.M.S.	-	29.77	-	SSW	7	bc.
"	51	13	Carmania	H	29.89	-0.01	W	4-5	c.										
6th Gpm.	49	24	Olympic	O	30.03	+0.19	W	4-5	bc.										
"	48	22	Minnewaska	H	30.01	+0.05	WNW	4-5	c.										
"	50	19	Carmania	H	29.82	+0.06	W	6-7	c.										
"	50	15	Dominion	O	29.64	-0.01	WSW	6-7	c.										
"	50	15	Montreal	H	29.70	00	SW	6-7	c.										
"	48	19	Lapland	H	29.94	+0.01	NW	4-5	c.										

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

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.	Oban	0.11	58	50	bc.	bc.	0.0	England, S.E.	Margate	0.08	60	49	bc.	bc.	0.0
	Stonehaven	-	60	50	bc.	bc.	0.7		Ramsgate	0.36	59	50	bc.	bc.	0.0
	St. Andrews	0.33	66	50	bc.	bc.	1.0		Folkestone	0.03	57	50	bc.	bc.	0.0
	Carnoustie	0.13	59	49	bc.	bc.	1.2		Littlestone	-	-	-	bc.	bc.	0.0
England, N.E.	Harrogate	0.09	61	48	bc.	bc.	7.6	England, S.W.	Hastings	0.19	58	51	bc.	bc.	0.0
	Scarborough	-	68	51	bc.	bc.	5.4		Bexhill-on-Sea	0.14	57	51	bc.	bc.	0.0
	Blackpool	0.03	58	50	bc.	bc.	1.4		Eastbourne	0.35	57	50	bc.	bc.	0.0
	Southport	-	56	50	bc.	bc.	0.0		Seaford	0.28	57	49	bc.	bc.	0.0
England, N.W.	Buxton	0.17	56	48	bc.	bc.	0.7	England, S.W.	Brighton	0.11	57	50	bc.	bc.	0.0
	Leamington Spa	0.10	61	41	bc.	bc.	2.7		Worthing	0.17	58	51	bc.	bc.	0.0
	Douglas	-	56	50	bc.	bc.	3.0		Littlehampton	0.13	59	50	bc.	bc.	0.0
	Rhyl	0.13	57	48	bc.	bc.	0.5		Southsea	0.06	58	48	bc.	bc.	0.0
Wales.	Colwyn Bay	0.16	55	48	bc.	bc.	1.0	England, S.W.	Bournemouth	0.06	57	49	bc.	bc.	0.0
	Llandudno	0.07	59	50	bc.	bc.	1.0		Exmouth	0.01	57	49	bc.	bc.	0.0
	Bettws-y-Coed	-	-	-	bc.	bc.	-		Weymouth	0.14	58	50	bc.	bc.	0.0
	Aberystwyth	0.31	55	50	bc.	bc.	1.5		Teignmouth	0.23	58	50	bc.	bc.	0.0
England, S.W.	Lowestoft	-	62	48	bc.	bc.	4.6	England, S.W.	Torquay	0.02	58	50	bc.	bc.	0.0
	Felixstowe	0.04	62	52	bc.	bc.	4.4		Paignton	0.04	59	49	bc.	bc.	0.0
	Walton-on-Naze	0.06	60	57	bc.	bc.	3.4		Ilfracombe	0.24	56	49	bc.	bc.	0.0
	Southend-on-Sea	0.02	63	52	bc.	bc.	2.6		Weston-super-Mare	0.09	56	50	bc.	bc.	0.0

## 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.		Mtn. 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.) ...	79	89	F.° 66	F.° 48	F.° 41	In. 0.05	ap	o. cp	op	Hr. 1.9.	Dublin to 4 p.m.	In. 0.11	F.° 61	F.° 49	F.° 49	op q	o. c	c. b	Hr. 1.0.	
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	1.0	Plymouth to 9 p.m.									
Westminster (St. James's Pk.)	96	97	62	50	46	0.08	r	r	r	2.1	Darwen	0.06	54	47	41	bc. or	or. r	or. r	1.6.	
Camden Sq. (Brit. Rainfall)	87	97	65	48	46	0.10	od. abc	bc. or	c. or. o	1.6.	Manchester									
Hampstead (Reservoir) ...	*	98	59	46	43	0.14	c	or	or	1.0	Birmingham	0.29	59	46	49	or. c	c. br	c		
Kew. (See front page.)											Oxford to 8 p.m.	*	60	50	46	or. abc	c. or	o. c		
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																				
S. Kensington (Roof of M.O.)	80	92	Total.		Mean Rate.		Max. Rate.		1.5	S. Kensington (Museum Grounds to 6 p.m.)	0.07	62	51	46	od	or. c. o	op o			
			1040 Joules.		17.3 Milliwatts.		2100 Milliwatts.													

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

	Sunrise.	Noon.	Sunset.
7th June 1913.	G.M.T.	G.M.T.	G.M.T.
Yarmouth	3.33	11.51	8.10
	3.33	11.52	8.11
Greenwich	3.46	11.58	8.10
	3.46	11.59	8.11
Wick	3.11	12.10	8.10
	3.10	12.11	8.11
Valencia	4.24	12.33	8.55
	4.24	12.40	8.56

## NOTES ON YESTERDAY'S WEATHER.

At the majority of our western and southern stations the thermometer yesterday failed to reach 60°, but over North Britain it rose to 65° and upwards. The amount of bright sunshine was, as a rule, small. Rain fell generally, a thunderstorm occurred at Aberdeen, and thunder was heard at several of our northern and eastern stations. Wireless reports show that between the Irish coasts and the 20th meridian ships experienced moderate to fresh winds from the Westward, and cloudy weather; further to the westward the wind was strong to high from the South-West, and the weather rainy.

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.

Sunday  
3th June 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.	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.	bc	cp	org	Hours					
Lerwick ... ..		29.24	50	SSE	4	c	29.30	+03	48	-2	SSW	5	r	4	0.6	55	47	bc	cp	org	3.5				
Stornoway ... ..		29.26	51	SW	7	cq	29.36	-02	47	-3	SW	7	r	6	0.61	52	46	cpq	cp.cq	cpq	2.4				
Castlebay (Barra Isd.)		29.44	51	WSW	8	c	29.49	-01	48	-2	W	8	cp	6	0.05	53	46	cp	cp.c	c.op	3.5				
Glasgow ... ..		29.64	51	SW	7	c	29.68	-01	48	-1	SW	4	c	7	0.21	54	45	cp.c	c.op	c.op.o	3.5				
Malin Head... ..		29.60	52	WSW	8	cq	29.64	-00	50	0	W	7	bcq	7	0.02	53	46	cpq	cpq	bcq	6.0				
Blacksod Point ... ..		29.76	53	W	6	bc	29.78	+03	50	-1	W	6	bc	5	0.05	54	46	cp	bcq	cpq	6.0				
Valencia ... ..		29.94	53	S	3	og	29.94	+07	50	-1	WNW	5	bc	5	0.24	56	45	cp	bc	cp.c	6.0				
Roche's Point ... ..		29.96	54	SW	4	c	29.88	-	47	-4	NW	3	c	3	0.22	58	44	b.bc	bc.c	cp.cq	8.8				
Birr Castle ... ..		29.87	54	W	6	c	29.85	-	49	-1	W	2	c	3	0.14	57	44	c	c	cp.c	11.2				
Donaghadee ... ..		29.74	55	WSW	4	bcq	29.75	+01	48	-2	WSW	3	c	2	0.03	59	47	bcq	bcq	cp.c	10.7				
Liverpool Obsy. ... ..		29.89	58	SW	4	bc	29.78	-04	48	-3	SSE	1	r	2	0.23	60	48	bc	b	cp	9.4				
Holyhead ... ..		29.87	55	SW	5	cqm	29.79	-01	47	-5	N	3	img	2	0.33	59	47	bcq	bc.cq	cp	7.3				
Pembroke (St. Ann's Hd.)		30.00	52	WSW	4	b	29.80	+04	53	+2	WSW	4	img	4	0.29	54	50	cpq	b	b	10.5				
Newquay ... ..		30.05	55	WSW	3	b	29.89	-00	55	+1	SW	4	og	4	0.02	57	51	b	b	bc.op	10.6				
Scilly (St. Mary's) ... ..		30.06	56	W	2	bc	29.89	+01	54	0	W	5	omp	6	0.01	60	51	bc	bc	cp.c	3.7				
Jersey (St. Auble) ... ..		30.15	57	W	4	c	30.06	-	58	+5	SW	3	o	3	0.05	59	52	ondom	o.c.bc	cp.c	5.3				
Portland Bill ... ..		30.03	54	WSW	6	b	29.92	-04	55	+1	SW	6	o	5	0.03	57	51	bc	bc	b.or	10.8				
Dungeness ... ..		30.02	56	SW	6	bc	30.00	-00	55	+2	SW	4	o	4	-	59	51	qr.q	c.bc	bc.c	9.4				
Dover ... ..		30.00	56	SW	4	b	30.01	-	54	+5	SW	5	o	5	0.01	58	49	r.op	c.bc	b.cq	7.3				
Wick ... ..		29.29	55	SW	4	bc	29.40	+03	51	+3	SW	3	cq	4	0.02	55	45	mr.cq	bcq	bcq	6.3				
Nairn ... ..		29.57	50	WSW	6	c	29.42	-	50	0	WSW	6	c	5	0.06	57	44	qr.c	qr.c	qr.c	8.6				
Aberdeen ... ..		29.44	56	SW	6	b	29.56	+01	52	-2	S	3	bc	2	-	61	47	bcq	bcq	b	9.4				
Leith ... ..		29.64	53	WSW	6	r	29.62	-01	50	-2	WSW	5	c	2	0.04	58	48	bc.cq	bc.cq	bc	7.3				
North Shields ... ..		29.73	59	SW	4	c	29.77	-01	50	-1	SW	2	r	2	-	60	45	c	o	o	5.2				
Spurn Head ... ..		29.84	58	W	5	c	29.82	-04	51	-1	WSW	5	cpq	5	0.06	61	47	cpq	cpq	bcq	6.3				
Yarmouth ... ..		29.89	67	W	4	bc	29.95	-02	53	+2	SSW	2	c	2	-	69	46	o	o.bc	bc.c	9.4				
Clacton-on-Sea ... ..		29.93	65	WSW	4	b	29.97	-02	55	+1	SSW	4	o	3	0.02	66	49	cp.c	o.c.bc	b.cq	7.7				
Nottingham ... ..		29.90	58	W	4	b	29.82	-	50	-4	S	2	r	2	0.02	64	45	o.c.bc	bc.b	b	8.6				
Bath ... ..		30.02	58	W	5	b	29.87	-	57	+2	SSW	5	o	2	0.06	61	48	*	*	*	8.6				
London (Kew Obsy.) ... ..		29.99	63	W	3	br	29.94	-04	56	+2	SSW	5	o	2	-	66	48	qr.cq	bcq	bcq	8.6				
Spitzbergen ... ..		29.88	27	NE	2	o	29.75	-03	31	+1	-	0	o	2	-	31	25								
Isafjord ... ..		29.67	37	NE	9	S	29.73	+03	39	+3	NE	8	o	2	-	31	25								
Reykjavik ... ..		29.38	54	N	6	o	29.49	-00	48	+3	N	1	o	2	-	31	25								
Vestmanna ... ..		29.29	56	-	0	c	29.54	+14	47	+4	SE	3	r	2	-	31	25								
Seydisfjord ... ..		29.40	43	-	0	r	29.60	+04	40	-1	E	2	r	2	-	31	25								
Thorshavn ... ..		29.06	54	SSE	2	b	29.17	+04	50	+3	NNE	2	o	2	-	31	25								
Haparanda ... ..		29.49	48	NW	3	o	29.45	-08	47	-8	SW	4	o	2	0.08	61	43								
Hernösand ... ..		29.45	59	S	4	b	29.30	-00	54	-12	SW	4	c	2	0.20	70	48								
Stockholm ... ..		29.67	61	WSW	4	o	29.67	+02	56	-8	W	6	o	2	0.08	68	50								
Wisby ... ..		29.79	60	WSW	6	b	29.84	+03	59	-2	WSW	6	b	2	-	68	54								
Karlstad ... ..		29.56	54	SSW	6	r	29.71	+04	57	-1	WSW	8	b	2	0.04	64	52								
Færder (X'ania Fjord)		29.49	55	SW	8	o	29.68	+05	55	-1	SW	8	bc	4	0.12	57	52								
Bodö ... ..		29.42	50	-	0	o	29.18	-01	49	+3	SW	4	o	2	0.16	50	45								
Christiansund ... ..		29.30	52	ESE	2	bc	29.39	+02	51	0	W	3	c	3	0.16	54	46								
Skudesnaes ... ..		29.52	52	S	6	o	29.68	+01	51	-2	S	6	c	4	0.35	53	50								
The Scaw (Skagen) ... ..		29.70	52	WSW	6	r	29.82	+04	56	0	WSW	6	b	1	-	59	48								
Blaavands Huk ... ..		29.83	54	WSW	5	m	29.93	+02	57	+2	WSW	4	c	3	0.08	59	52								
Cuxhaven ... ..		29.96	55	SW	5	o	30.02	+02	57	+3	SW	3	o	0	0.04	61	52								
The Helder ... ..		29.94	55	SSW	6	c	30.00	+01	56	+2	SSW	5	c	2	0.08	56	54								
Brussels ... ..		30.08	56	SSW	6	r	30.10	-01	59	+9	SSW	4	o	2	0.08	59	49								
Berlin ... ..		30.08	64	W	3	b	30.12	+01	60	0	SW	2	c	2	-	70	54								
Frankfurt ... ..		30.18	59	SW	4	o	30.17	-00	59	+6	SW	3	o	2	-	63	48								
Mannich ... ..		30.23	55	SSW	2	b	30.23	+01	58	+6	SE	3	b	2	-	63	45								
C. Gris Nez ... ..		30.02	56	WSW	6	bc	30.03	-01	57	+3	SSW	5	o	4	0.04	57	52								
La Hève ... ..		30.15	55	W	3	o	30.08	-	57	+6	SW	4	o	3	-	57	48								
Brest (St. Mathieu) ... ..		30.18	56	WSW	3	m	30.06	-00	55	0	SSW	4	m	4	-	61	54								
Lorient (Rec Melen) ... ..		30.14	58	W	3	m	30.10	-	59	+3	SW	5	f	5	-	59	54								
Rochefort (Ile d' Aix)		30.26	60	WSW	3	o	30.19	-01	57	-1	SSW	3	o	3	-	61	57								
Biarritz ... ..		30.27	67	NNE	2	b	30.19	-00	59	+2	-	0	b	3	-	72	54								
Paris ... ..		30.17	59	SW	3	o	30.15	-00	61	+9	SSW	3	o	2	-	61	52								
Belfort ... ..		30.25	62	W	4	c	30.24	-	56	+7	-	0	m	2	-	64	47								

## GALES.

Duration and Extreme Force  
on British Coasts.

Castlebay, 8 a.m. - 7 a.m.

Extreme WSW 8

and W 8.

Glasgow, 2 p.m. - 5 p.m.

Extreme SSW 8.

Malin Head, throughout.

Extreme W 8.

Blackod Point, 8 a.m. - 5 p.m.

Extreme W 8.

Dungeness, 9 a.m. - 2 p.m.

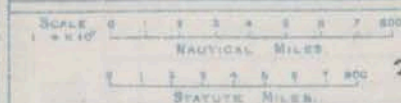
Extreme SW 8.

Boar's, 11 a.m. - 5 p.m.

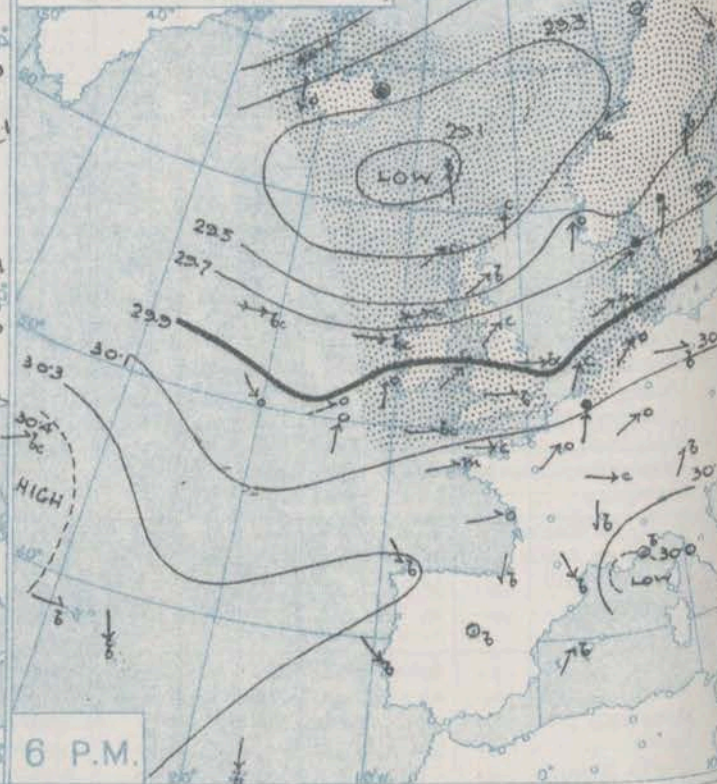
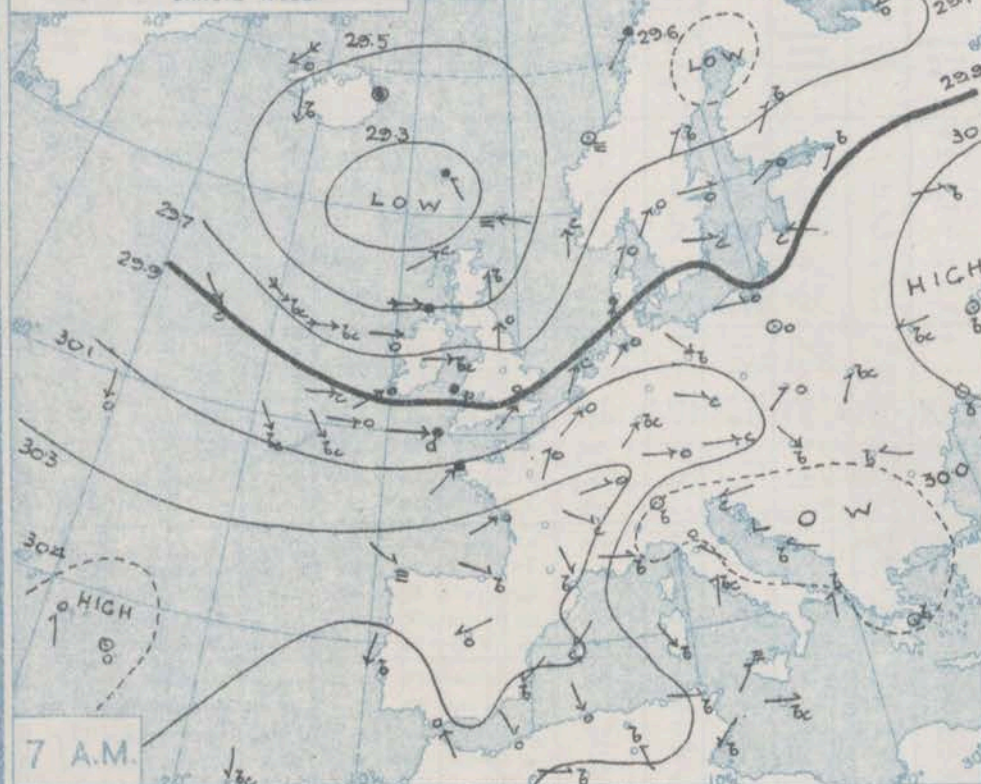
Extreme WSW 8.



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 7<sup>TH</sup> JUNE.



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



GENERAL INFERENCE

## WEATHER PROSPECTS.

FORECASTS FOR THE 24 HOURS NOON SUNDAY TO NOON MONDAY.

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

*None Issued*

### FORECAST DISTRICTS.



### STORM WARNINGS.

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

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

### SOUTH CONE HOISTED

in Districts 0 and 1 at 5.30am yesterday.

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

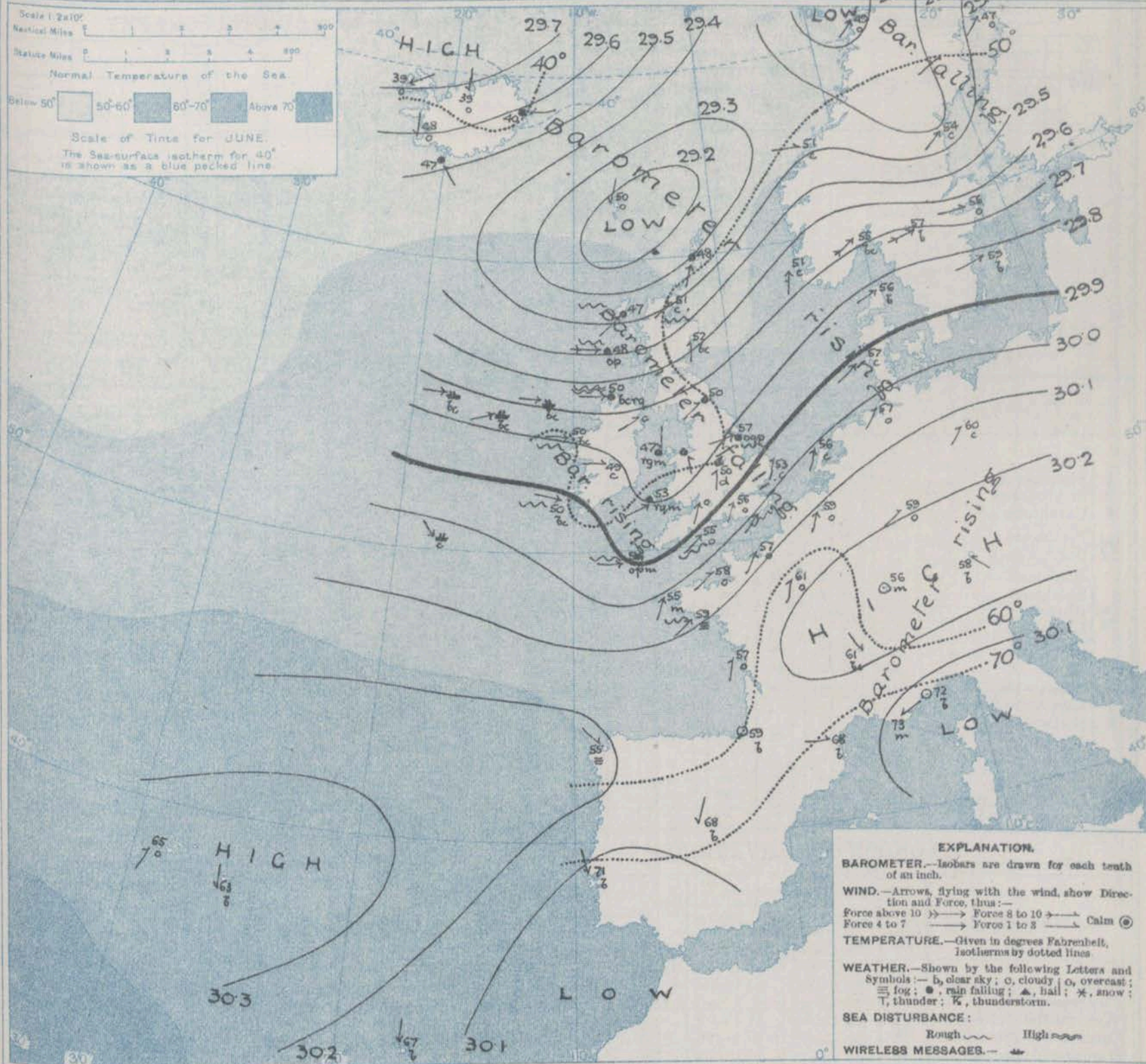
*None Issued*

11 WESTERN CHANNEL AND BAY.

THE FURTHER OUTLOOK.



# SYNOPTIC CHART FOR 7 A.M. SUNDAY, 8<sup>TH</sup> JUNE 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure is below 29.2 in. in a depression centred between Shetland and Faeroe, and also in another disturbance over the north-west of Norway, relatively low in a well marked secondary over Wales, and high, between 30.3 in. and 30.2 in. in an anticyclonic band extending from beyond the Azores to central Europe.

The wind is strong to a gale from West or South West on the extreme north-west coasts of these islands, and moderate to fresh or strong from those points over the United Kingdom generally, as well as over the North Sea and Scandinavia. In Iceland the direction is mainly Easterly, and the force light to a

gale. Temperature has fallen in nearly all parts of this country, and now ranges from 56° in London and 57° at Bath to 50° or slightly below over a very large area in the west and north. The sky is cloudy or overcast in most parts of these islands, with showers or steady rain in several localities, and much cloud is reported over the adjacent parts of the Continent. Fog prevails at Lorn, but over the Spanish Peninsula generally and also in the south of France the weather is bright.



## DAILY WEATHER REPORT.

Sunday, 8th June 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.	
7th 6pm.	46	36	Olympic	O	29.42	+0.2	WSW	1-3	bc	7th 6pm.	55	9	Cameronia	H	29.63	+0.3	SW	8-9	c
"	54	21	Preborian	H	29.95	+0.2	"	"	bc	" 7am.	48	30	Olympic	O	30.11	-0.2	N	4-5	c
"	49	21	Dominion	O	29.94	+0.4	NW	4-5	c	"	53	25	Preborian	H	29.92	+0.4	WNW	6-7	bc
"	50	20	Adriatic	O	29.95	-0.2	NW	4-5	c	"	55	19	Tunisian	H	29.35	-0.7	NW	8-9	bc
"	55	15	Tunisian	H	29.68	+0.2	W	6-7	bc	"	50	16	Adriatic	O	29.91	+0.2	W	6-7	bc
"	49	13	Minnewaska	H	29.93	-0.10	S	4-5	c	"	54	15	Cameronia	H	29.49	-0.1	W	8-9	bc
"	50	13	Montrose	O	29.95	-0.5	WSW	1-3	c	"	50	10	Montrose	O	29.99	+0.6	W	6-7	bc

## 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.	Margate ...		In.	F.	F.			Hr.
Stonehaven ...								Ramsgate ...							
St. Andrews ...								Folkestone ...							
Carnoustie ...		0.07	59	47	*	*	11.2	Littlestone ...							
England, N.E.								Hastings ...							
Harrogate ...		0.01	57	45	bc.b	b.bc.b	5.2	Bexhill-on-Sea ...							
Scarborough ...								Eastbourne ...							
Blackpool ...		0.22	59	49	bc	c	11.0	Seaford ...							
Southport ...		0.17	59	48	o.bc.	c.b	9.5	Brighton ...							
Buxton ...		0.51	57	45	bc.r	bc	7.7	Worthing ...							
Leamington Spa ...		0.09	63	47	bc	c.b	7.7	Littlehampton ...							
Douglas ...		0.20	58	49	bc	bcq	12.5	Southsea ...							
Wales.								Bournemouth ...							
Rhyl ...		0.04	61	51	c.r	bc	11.5	Weymouth ...							
Colwyn Bay ...		0.04	60	54	c.	b.bc	10.0	Teignmouth ...							
Llandudno ...								Torquay ...							
Bettws-y-Coed ...								Paignton ...							
Aberystwyth ...		0.25	56	49	r.o.c	c.b.	9.7	Ilfracombe ...							
England, E.								Weston-super-Mare ...							
Lowestoft ...		0.03	67	50	m.opq.c	bc.b	4.6								
Felixstowe ...		0.05	65	53	o.cq	bc.b	5.2								
Walton-on-Naze ...		0.06	67	50	o	bc	7.0								
Southend-on-Sea ...															

## 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 Obey.) ...	%	%	F.°	F.°	F.°	In.	cp	cp	cp.	Hr.	Dublin to 4 p.m.	In.	F.°	F.°	F.°	o.cq	o.cq	bc		
City (Bunhill Row) ...	"	"	"	"	"	"	"	"	"	7.6	Plymouth to 9 p.m.	0.14	61	51	49	bc	bc	bc		
Westminster (St. James's Pk.)	59	46	62	51	43	-	bc	bc	bc	8.1	Darwen "	0.22	56	45	45	o.c	bc	bc		
Camden Sq. (Brit. Rainfall)	58	42	69	49	45	0.02	o.c	bc	bc	7.3	Manchester "	0.06	61	49	"	o.p.c	bc	bc		
Hampstead (Reservoir) ...	"	46	64	47	40	0.02	bc	bc	bc	7.5	Birmingham "	0.12	60	45	39	r	o	bc		
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.												64	47	45	c.o	op.c	bc.b
S. Kensington (Roof of M.O.)	50	44	Total.		Mean Rate.		Max. Rate.		7.5	S. Kensington (Museum Grounds to 6 p.m.)	0.05	68	49	44	bc	bc.b	b			
			1586 Joules.		26.9 Milli-watts.		88 Milli-watts.													

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

8th & 9th June 1913.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 3.33	G.M.T. 11.52	G.M.T. 8.11
Greenwich ...	3.33	11.52	8.12
Wick ...	3.10	12.41	8.11
Valencia ...	4.24	12.40	8.56

During yesterday temperature remained below 60° over a large portion of the Kingdom, but exceeded 65° at some stations in the east and south-east, reaching 69° at Great Yarmouth. Showers have fallen in most places, and larger quantities of rain at some stations in the north-west. Bright sunshine was more prevalent in Ireland, Scotland and the Isle of Man than elsewhere. The wind blew with the force of a gale on some parts of the southern, western and northern coasts. According to wireless reports moderate to strong breezes, mainly from the westward, were experienced between the Irish coast and the Land's End.

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.



12.23.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Monday  
9th June 1913.

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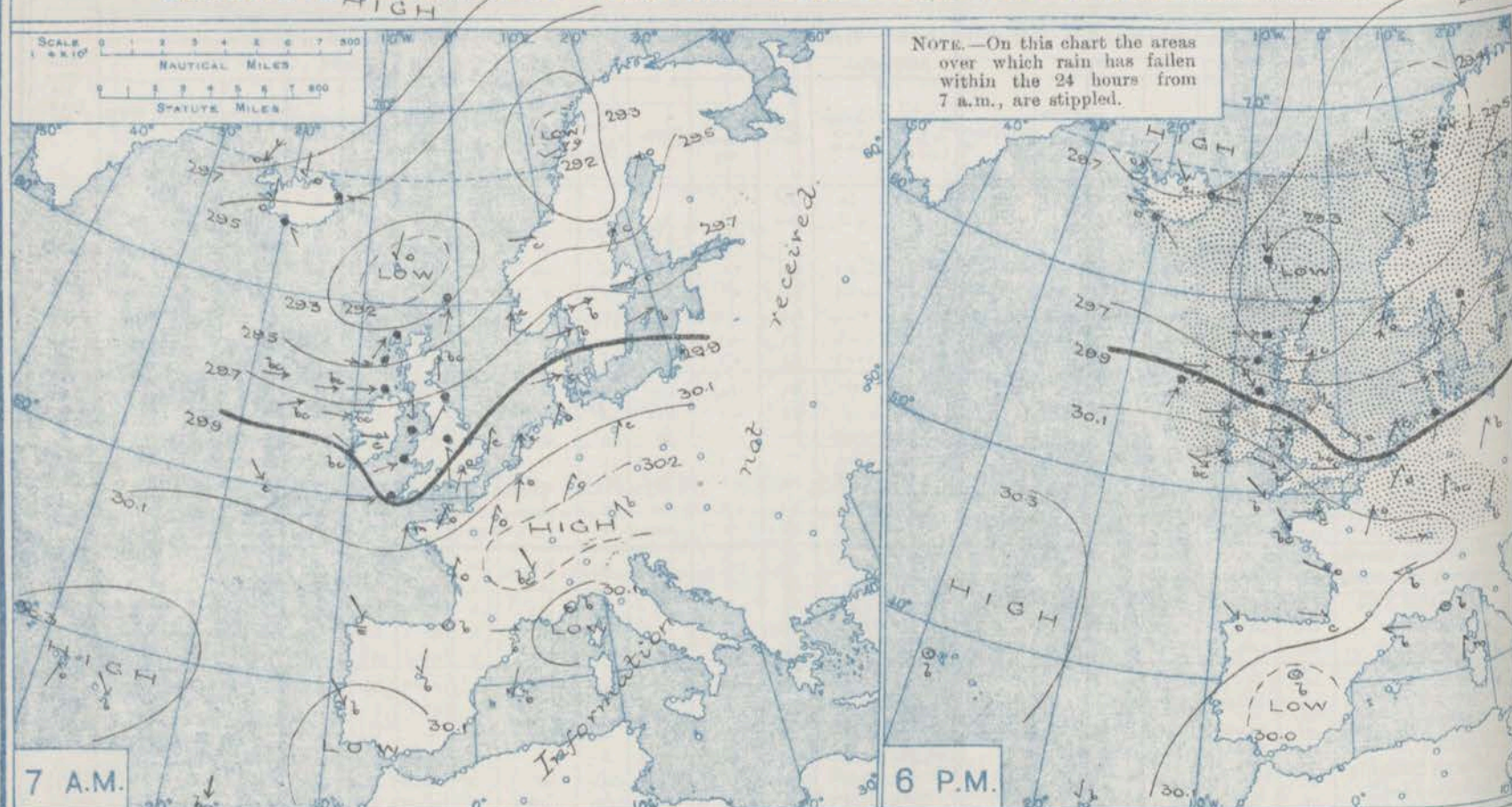
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STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
		BAROM.		TEMP.		WIND.	BAROMETER.		TEMP.		WIND.		Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.					
		At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Wet Bulb.	Force (0 to 12).		Weather.	At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.	Dir.			Force (0 to 12).	Weather.	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night, 6 p.m. to 7 a.m.	
BRITISH ISLANDS.	Lerwick ... ..	In.	F.	SW	5	r	In.	In.	F.	W	5	q	5	In.	F.	F.	cpq	cpq	otq	Hours		
	Stornoway ... ..	29.29	47	SW	5	r	29.37	+0.6	49	+1	W	5	q	0.45	51	45	cpq	cpq	otq	"		
	Castlebay (Barra Isd.)	29.44	52	W	6	cpq	29.64	+0.2	49	+2	WSW	5	5	0.18	54	47	cpq	cpq	cpq	4.0		
	Glasgow ... ..	29.61	48	W	9	op	29.68	-0.3	49	+1	SW	4	5	0.14	50	46	op	op	op	0.1		
	Malin Head...	29.71	47	W	7	o	29.81	+0.1	47	-1	SSW	6	r	0.24	53	45	o.c.	op.c.	op	3.8		
	Blackod Point ...	29.79	50	NW	8	e	29.76	-0.4	49	-1	W	7	op	0.18	52	45	bcq	emq	emq	"		
	Valencia ... ..	30.80	53	W	6	bc	29.84	-0.6	51	+1	W	7	r	0.16	55	48	bcq	bcq	og	"		
		30.17	52	WSW	4	o	30.09	-0.3	52	+2	SW	5	5	0.02	55	49	bcq	bcq	og	10.7		
	Roche's Point ...	30.13	55	NW	3	bc	30.14	*	51	+4	SW	4	o	0.02	57	47	cpq	bc	bc.	"		
	Birr Castle ... ..	30.05	52	W	4	c	30.01	*	48	-1	SW	4	c	0.07	57	46	cpq	opq	c.c.	8.5		
SCANDINAVIA.	Donaghadee ... ..	29.85	56	W	5	bcq	29.92	-0.2	50	+2	W	4	o	0.01	58	48	bcq	bcq	c	"		
	Liverpool Obsy. ...	29.93	53	W	5	b	30.04	+0.1	51	+3	WSW	4	o	0.20	57	46	otbc	b	c.o.	8.2		
	Holyhead ... ..	29.97	54	W	4	bc	30.05	0.0	50	+3	SW	4	omg	0.03	57	46	bcq	bcq	bcq	7.7		
	Pembroke (St. Ann's Hd.)	30.08	53	WNW	4	bc	30.17	+0.2	51	-2	W	5	cpq	0.15	55	48	bcq	bcq	bcq	8.6		
	Newquay ... ..	30.14	55	W	4	b	30.25	+0.3	52	-3	SW	4	o	-	56	50	og	bc	bc.	7.5		
	Scilly (St. Mary's) ...	30.17	55	NW	5	b	30.23	0.0	52	-2	W	3	cm	-	57	48	bcq	bc	bc.	9.6		
	Jersey (St. Aubin) ...	30.12	56	W	4	c	30.30	*	53	-5	W	3	o	0.01	62	49	ogp	c.b.	c.b.	3.6		
	Portland Bill ... ..	30.07	56	WNW	5	bc	30.23	+0.2	53	-2	W	4	bc	0.02	58	52	cp	bc	bc	"		
	Dungeness ... ..	29.94	58	WSW	5	o	30.18	+0.4	56	+1	W	4	c	0.02	59	41	o.c.	o.c.	c.b.	"		
	Dover ... ..	29.96	57	SW	4	c	30.19	*	54	0	WSW	2	c	0.05	59	42	ot.c.	c.b.	c.b.	1.6		
GERMANY, &c.	Wick ... ..	29.37	51	WNW	5	c	29.58	+0.6	50	-1	WNW	4	cpq	0.07	56	45	cpq	cpq	cpq	"		
	Nairn ... ..	29.46	48	WSW	4	r	29.65	*	50	0	SW	1	c	0.13	57	44	gbc	qf	qf.	9.4		
	Aberdeen ... ..	29.49	55	SW	6	c	29.70	+0.3	53	+1	WSW	3	o	-	62	49	bcq	cpq	cpq.	6.0		
	Leith ... ..	29.64	54	WSW	5	c	29.79	+0.2	50	0	WSW	5	o	0.05	58	37	bcq	bcq	bcq.	"		
	North Shields ... ..	29.78	56	WSW	4	c	29.92	+0.5	50	0	SW	4	o	0.05	59	45	c	r	o	6.1		
	Spurn Head ... ..	29.87	51	W	6	bc	29.99	+0.4	50	-1	WSW	6	bcq	0.13	57	46	cpq	bcq	bcq.	5.3		
	Yarmouth ... ..	29.89	58	WNW	3	o	30.11	+0.6	51	+2	W	2	bc	0.16	66	44	c.b.	bcq	b	2.1		
	Clacton-on-Sea ... ..	29.90	59	W	3	o	30.15	+0.2	52	-3	WSW	3	bc	0.19	63	45	o.c.	o.c.	o.c.	3.0		
	Nottingham ... ..	29.92	57	W	5	bc	30.10	*	51	+1	W	4	c	0.10	62	42	o.c.	c.b.	bc.	5.9		
	Bath ... ..	30.03	59	W	6	b	30.20	*	54	-3	W	3	o	0.15	65	44	o.c.	o.c.	o.c.	4.2		
FRANCE.	London (Kew Obsy.)...	29.99	61	W	3	bc	30.19	+0.4	50	-6	WSW	2	cm	0.10	65	45	o.c.	o.c.	bc.	3.6		
	Spitzbergen ... ..	29.60	26	-	0	bc	29.43	-0.4	29	-2	-	0	o	-	31	21						
	Isafjord ... ..	29.75	39	NE	7	o	29.75	+0.8	45	+6	NE	7	o	*	*	*						
	Reykjavik ... ..	29.58	49	E	1	o	29.65	0.0	46	-2	E	1	r	*	*	*						
	Vestmanna ... ..	29.61	46	SE	1	r	29.61	-0.1	40	-7	E	6	o	*	*	*						
	Seydisfjord ... ..	29.71	43	E	4	r	29.71	-0.1	38	-2	E	2	o	*	*	*						
	Thorsbavn ... ..	29.30	50	N	4	r	29.45	+0.2	47	-3	N	2	c	*	*	*						
	Haparanda ... ..	29.55	52	W	2	o	29.32	-0.2	50	+3	SW	6	o	0.05	57	46	bcq	bcq	bcq			
	Hernösand ... ..	29.51	55	SW	2	c	29.34	-0.2	55	+1	SW	2	c	0.05	64	52	bcq	bcq	bcq			
	Stockholm ... ..	29.72	58	WSW	2	bc	29.57	+0.1	54	-2	W	6	c	0.04	66	54	bcq	bcq	bcq			
PORTUGAL, &c.	Wisby ... ..	29.82	57	WSW	4	b	29.68	-0.2	61	+2	W	4	bc	0.04	63	54	bcq	bcq	bcq			
	Karlstad ... ..	29.65	53	SW	2	r	29.56	0.0	53	-4	SW	6	c	0.05	63	50	bcq	bcq	bcq			
	Färder (X'ania Fjord)	29.62	49	SSW	4	r	29.52	-0.2	52	-3	SW	8	o	0.04	55	49	bcq	bcq	bcq			
	Bodö ... ..	29.31	47	SW	3	r	29.29	-0.1	44	-5	W	4	r	0.07	50	43	bcq	bcq	bcq			
	Christiansund ... ..	29.45	51	WNW	1	b	29.36	-0.2	52	+1	E	2	b	0.08	52	48	bcq	bcq	bcq			
	Skudesnaes ... ..	29.53	49	SSW	8	o	29.52	+0.1	50	-1	SW	6	c	0.08	51	48	bcq	bcq	bcq			
	The Scaw (Skagen)...	29.66	52	SW	3	o	29.66	0.0	52	-4	SW	5	o	0.16	59	46	bcq	bcq	bcq			
	Blavands Huk ... ..	29.75	54	WSW	4	m	29.81	+0.1	53	-4	W	6	c	0.08	59	50	bcq	bcq	bcq			
	Cuxhaven ... ..	29.84	59	SW	3	r	29.97	+0.3	55	-2	WSW	4	o	0.35	66	52	bcq	bcq	bcq			
	The Helder ... ..	29.87	57	SW	5	c	30.09	+0.5	54	-2	W	6	bc	0.04	59	52	bcq	bcq	bcq			
AZORES (Horta 8 a.m.)	Brussels ... ..	29.99	59	SW	2	o	30.19	+0.5	55	-4	W	1	b	0.28	69	48	bcq	bcq	bcq			
	Berlin ... ..	29.97	68	SW	1	b	29.99	+0.4	60	0	NW	2	o	-	73	57	bcq	bcq	bcq			
	Frankfurt ... ..	30.04	63	SSW	1	bc	30.13	+0.6	61	+2	-	0	o	0.04	70	59	bcq	bcq	bcq			
	Munich ... ..	30.08	60	NE	2	b	30.15	+0.2	59	+1	W	2	r	0.04	68	54	bcq	bcq	bcq			
	C. Gris Nez ... ..	29.99	55	SW	6	o	30.21	+0.5	53	-4	W	4	bc	0.12	59	52	bcq	bcq	bcq			
	La Hève ... ..	30.11	56	W	4	o	30.23	*	53	-4	W	4	bc	-	61	50	bcq	bcq	bcq			
	Brest (St. Mathieu) ...	30.24	55	WNW	3	bc	30.35	+0.2	54	-1	NW	2	c	-	57	50	bcq	bcq	bcq			
	Lorient (Rec Melen)...	30.17	59	NW	4	c	30.28	+0.2	54	+2	NE	3	c	-	59	45	bcq	bcq	bcq			
	Rochefort (Ile d' Aix)	30.19	61	WNW	3	o	30.28	+0.2	54	+2	NE	3	c	-	73	55	bcq	bcq	bcq			
	Biarritz ... ..	30.19	64	WNW	3	c	30.28	+0.2	54	0	WSW	1	o	-	72	57	bcq	bcq	bcq			
MADEIRA (Funchal)	Paris ... ..	30.07	65	SSW	3	bc	30.27	+0.6	56	-5	NW	2	b	0.12	70	48	bcq	bcq	bcq			
	Belfort ... ..	30.12	64	W	6	c	30.22	*	57	+1	W	3	c	0.04	73	54	bcq	bcq	bcq			
	Lyons ... ..	30.10	70	-	0	b	30.23	*	56	-5	N	1	c	-	75	56	bcq	bcq	bcq			
	Nice ... ..	30.05	69	-	0	b	30.02	+0.2	73	+1	-	0	b	-	79	61	bcq	bcq	bcq			
	Perpignan ... ..	30.08	74	E	1	b	30.17	+0.4	68	0	SW	1	o	-	76							



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 8<sup>th</sup> JUNE



## GENERAL INFERENCE

The general distribution of pressure continues of a cool, changeable type, under

## WEATHER PROSPECTS.

the influence of depressions approaching from the upper Atlantic.

## FORECASTS FOR THE 24 HOURS NOON MONDAY TO NOON TUESDAY.

- 0 {  
a Increasing S.W. and S.S.W. winds  
b squally, strong or high to a gale  
at times; unsettled, some rain;  
1 very cool.

- 2 {  
a S.W. and S.S.W. winds, gusty.  
b  
3 fresh or strong at times; fair  
4 {  
a or fine to showery, very 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 Cone.	South Cone.
North Cone.	North Cone.

South Cone hoisted at 8.20 a.m.

- 6 {  
a  
b  
7 {  
a  
b  
8 {  
a Same as Nos. 0 & 1.  
b  
9 {  
a  
b  
10 {  
a  
b

### 11 WESTERN CHANNEL AND BAY.

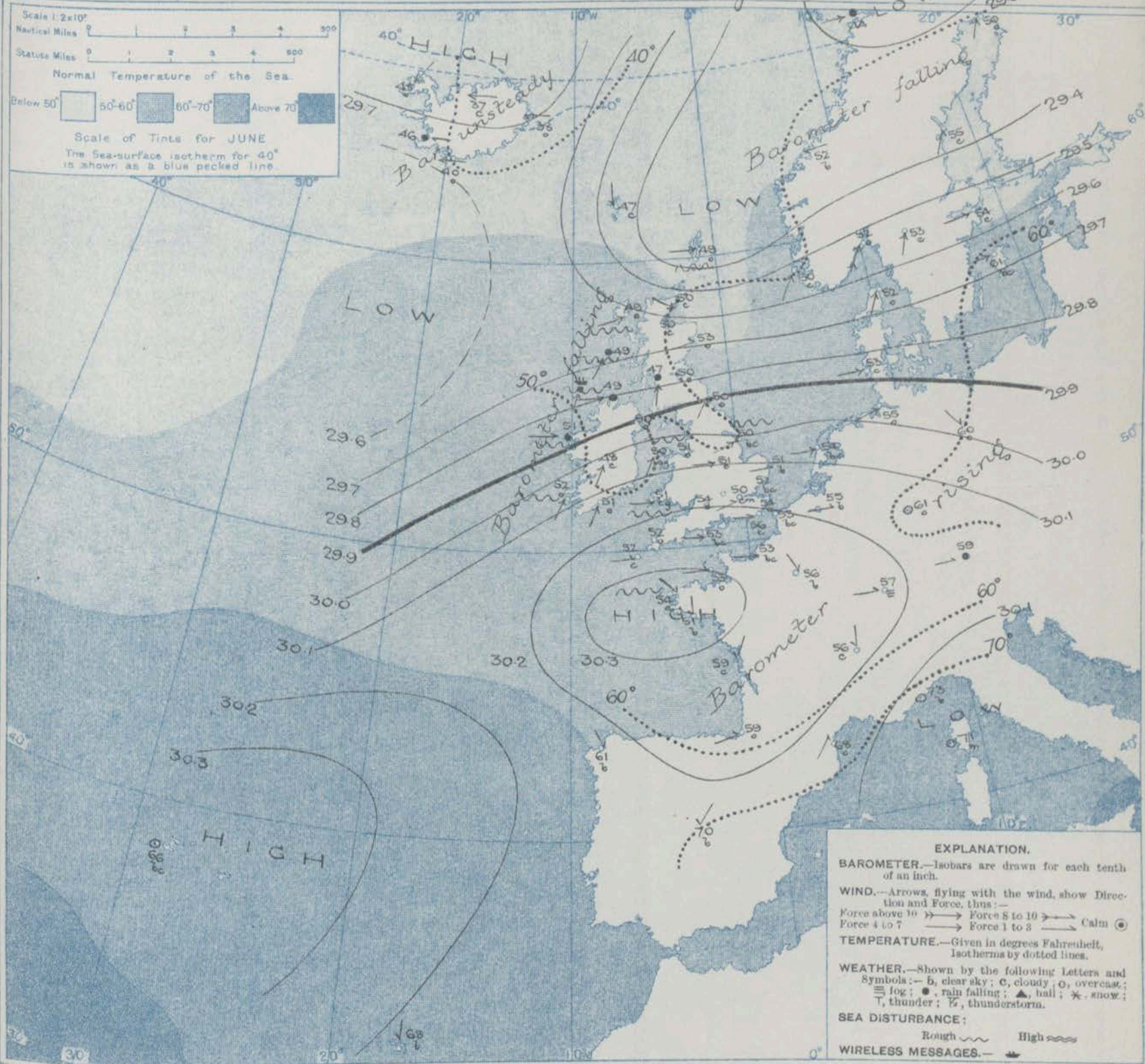
S.W. and S.S.W. squally winds, fresh or strong at times; sea slight to rather rough; fair or fine to dull, some rain and mist; rather cold.

### THE FURTHER OUTLOOK. (All Districts)

Cool, changeable weather continuing.



# SYNOPTIC CHART FOR 7 A.M. Monday, 9<sup>th</sup> JUNE 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

In an anticyclone extending from central Europe far out across the Atlantic the barometer is above 30.3 in. from Brittany to the Azores. There are indications of another anticyclone to the northward of Iceland. These systems are separated by a region of low pressure, the barometer being below 29.3 in. over Lapland, 29.4 in. northward of Shetland, and it is again giving way on our western coasts, on the approach of a new disturbance. The gradient is rather steep for the season.

Easterly winds prevail over Iceland, Westerly

to South-Westerly in nearly all other parts of our area. The force is variable, a strong or high wind in several localities, a gale on Christiania Fjord. Over the British Isles temperature ranges from 47° at Glasgow to 56° at Dungeness; on the Continent from 44° at Bodö, and 50° at Skudesnæs to 68° at Perpignan, and 73° at Nice; and in Iceland from 37° to 46°. The weather is in a very changeable state at home and abroad. Rain is falling over our north-western and northern districts, and at some foreign stations. A rough or rather rough sea is running on our western and northern coasts.



## DAILY WEATHER REPORT.

Monday, 9th June, 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.	
9h 7am.	55	8	Preforian	H	29.90	.00	SW	6-7	r						In.	In.		(0-12).	
8h 6pm.	55	13	Hesperian	O	30.02	+01	SW	6-7	r						In.	In.		(0-12).	
"	55	12	Campania	O	29.96	+07	W	8-9	c						In.	In.		(0-12).	
"	51	11	Preforian	O	30.26	.00	WNW	6-7	bc						In.	In.		(0-12).	
7am.	55	17	Montrose	H	29.98	+05	W	6-7	bc						In.	In.		(0-12).	
"	50	17	Virginian	O	30.02	-05	NW	6-7	c						In.	In.		(0-12).	
"	54	14	Tunisian	O	29.68	+04	WSW	6-7	bc						In.	In.		(0-12).	
"	55	10		H	29.69	+02	W	6-7	bc						In.	In.		(0-12).	

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

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.		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 ...		...	...	...	...	...	...	Weymouth ...		...	...	...	...	...	...
Bettws-y-Coed ...		...	...	...	...	...	...	Teignmouth ...		...	...	...	...	...	...
Aberystwyth ...		...	...	...	...	...	...	Torquay ...		...	...	...	...	...	...
Lowestoft ...		...	...	...	...	...	...	Paignton ...		...	...	...	...	...	...
Felixstowe ...		...	...	...	...	...	...	Ilfracombe ...		...	...	...	...	...	...
Walton-on-Naze ...		...	...	...	...	...	...	Weston-super-Mare ...		...	...	...	...	...	...
Southend-on-Sea ...		...	...	...	...	...	...			...	...	...	...	...	...

## LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		TEMPERATURE.		Rainfall.	WEATHER.			Sunshine for Yesterday.
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.	Min. on Grass.		Forenoon.	Afternoon.	Night.	
Greenwich (Royal Obey.) ...	71	63	69	43	33	0.14	cp	cp	3.6
City (Bunhill Row) ...	"	"	"	"	"	"	"	"	3.0
Westminster (St. James's Pk.)	79	75	65	46	40	0.09	bc-r	bc	3.3
Camden Sq. (Brit. Rainfall)	"	65	67	44	41	0.19	cp	cp-r	3.3
Hampstead (Reservoir) ...	"	69	64	42	37	0.10	cr	cr	3.9
Kew. (See front page.)									
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETER DURING YESTERDAY.									
Total.			Mean Rate.		Max. Rate.				
S. Kensington (Roof of M.O.)			1097 Joules.		18.6 Milliwatts.		79 Milliwatts.		3.6

## Additional Observations for Yesterday.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.			Sunshine for Yesterday.
		In Screen.	Night Min. on Grass.	Night.	Forenoon.	Afternoon.	
Dublin to 4 p.m.	0.13	59	46	45	cp	cp	3.5
Plymouth to 9 p.m.	0.05	59	52	46	o	oq	3.5
Darwen "	0.30	58	47	46	bc-r	bc	5.6
Manchester "	0.33	59	46	38	r-c	c	6.3
Birmingham "	"	64	46	41	b-o	op cp	6.3
Oxford to 8 p.m.							
S. Kensington (Museum Grounds to 6 p.m.)	0.11	66	49	42	bc-o	op-c	3.6

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

9th & 10th June, 1913.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 3.33 3.32	G.M.T. 11.52 11.52	G.M.T. 8.12 8.12
Greenwich ...	3.46 3.45	11.59 11.59	8.12 8.13
Wick ...	3.9 3.9	12.11 12.11	8.12 8.13
Valencia ...	4.24 4.23	12.40 12.40	8.57 8.57

## NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature remained below 60° over the greater part of the British Isles, and did not exceed 50° at Castlebay. Rain fell nearly everywhere, but no large amounts are reported. The duration of bright sunshine varied greatly, from less than an hour locally to 10½ hours at Valencia. A strong gale to a strong gale was felt on the northwestern coasts. As far west as the meridian ships experienced S.W. to W. winds, strong to a gale, with changeable weather, rain at times.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; i. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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



## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Tuesday,  
10th June, 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 (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.	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 ... ..		29.48	51	WSW	2	bc	29.01	-1.0	48	-1	E	3	r	3	0.16	52	47	bcpq	bc	c. om			*	
Castlebay (Barra Isd.)		29.47	52	SSE	4	c	29.28	+0.7	47	-2	WNW	6	bc	5	0.45	56	40	c. bcpq	c	or bcpq			3.2	
Glasgow ... ..		29.44	50	SSW	4	r	29.39	+1.0	48	-1	WNW	5	c	4	0.41	53	43	opc	c. or	r. dc			2.6	
Malin Head... ..		29.64	49	SSW	6	d	29.33	0.0	48	-2	W	7	aq	*	0.45	51	45	odp	r	od. op			0.0	
Blacksod Point ... ..		29.47	50	SSW	7	ormq	29.45	+1.4	49	0	NW	8	cmq	6	0.20	50	47	ormq	ormq	cmq			*	
Valencia ... ..		29.51	53	WSW	9	r	29.68	+0.8	51	0	W	4	c	5	0.41	53	46	qqr	qqr	ormq			*	
		29.81	53	SSW	5	mg	29.82	+0.3	52	0	WSW	4	om	5	0.47	55	50	ormq	ormq	ormq			0.0	
Roche's Point ... ..		29.90	52	SW	6	om	29.80	*	56	+5	W	4	bc	4	0.05	56	51	op	om	c. bc			*	
Birr Castle ... ..		29.73	51	SSW	6	r	29.74	*	52	+4	W	5	bc	*	0.79	55	47	or	or	or bc			0.0	
Donaghadee ... ..		29.70	51	SW	3	r	29.49	+0.4	50	0	W	5	bc	4	0.29	54	48	orm	orm	or bcq			*	
Liverpool Obsy. ... ..		29.89	50	SW	5	r	29.54	-0.3	57	+6	WSW	7	o	6	0.24	58	47	od	od	bcq			0.5	
Holyhead ... ..		29.85	50	SW	7	ormq	29.65	+0.3	51	+1	W	6	opqgm	6	0.48	55	50	orm	orm	bcq			0.0	
Pembroke (St. Ann's Hd.)		29.96	52	W	7	c	29.77	+0.3	53	+2	W	7	opqgm	6	0.10	54	51	cq	cq	cqmp			0.9	
Newquay ... ..		30.12	53	SW	5	c	29.84	-0.2	53	+1	SW	6	opqgm	5	0.04	57	51	c. b	c	c. od			2.4	
Scilly (St. Mary's) ... ..		30.12	53	WSW	5	cm.	29.96	+0.1	53	+1	WSW	5	om	5	-	56	50	cm	cm	om			1.6	
Jersey (St. Aubin) ... ..		30.26	56	W	3	og	30.09	*	54	+1	WSW	6	o	5	-	59	52	bc	c. o	c. o			8.0	
Portland Bill ... ..		30.15	53	WSW	6	c	29.90	-0.2	54	+1	WSW	8	o	6	-	55	50	bc	c	c. o			*	
Dungeness ... ..		30.11	55	SW	6	c	29.83	-0.3	55	-1	SW	8	o	6	-	61	53	c. bc	c	c. op			*	
Dover ... ..		30.13	54	SW	5	o	29.85	*	53	-1	SSW	7	o	6	-	59	51	c. bc	c. bc	op			10.2	
Wick ... ..		29.46	54	WNW	4	c	29.09	+0.3	45	-5	WNW	5	o	5	0.21	56	43	op	c. op	c. op			*	
Nairn ... ..		29.49	53	SW	2	o	29.21	*	44	-6	W	2	c	2	0.12	59	41	op	c. op	c. op			2.9	
Aberdeen ... ..		29.55	56	SSW	5	a	29.19	+0.2	47	-6	W	6	bc	3	-	62	47	c. bcq	c. op	c. op			2.6	
Leith ... ..		29.64	54	SW	4	o	29.28	+0.1	50	0	WSW	5	o	*	0.07	57	48	bcq	c. op	c. op			*	
North Shields ... ..		29.77	54	SW	4	op	29.37	+0.4	52	+2	WSW	5	c	2	0.06	56	48	c. op	c. op	c. op			0.7	
Spurn Head ... ..		29.89	53	SSW	4	o	29.46	-0.3	57	+7	WSW	7	bcq	6	0.05	57	48	opq	c. op	c. op			1.5	
Yarmouth ... ..		30.02	59	SSW	1	bc	29.67	-1.0	52	+1	SW	4	bc	4	0.16	63	49	b. bc	bc	od. bc			8.0	
Clacton-on-Sea ... ..		30.05	60	SW	2	o	29.78	-0.7	55	+3	SW	6	o	5	0.05	64	52	bc	c. bc	op. o			9.2	
Nottingham... ..		29.96	52	WSW	6	r	29.63	*	57	+6	SW	6	op	*	0.38	58	49	c. op	op	r			3.2	
Bath ... ..		30.09	57	W	4	o	29.83	*	54	0	WSW	6	r	*	0.05	63	51	*	*	*			5.2	
London (Kew Obsy.)... ..		30.09	58	SW	3	o	29.83	-0.3	54	+4	SW	4	o	*	Trace	64	50	cm. bc	c. o	op			6.1	
Spitzbergen ... ..		29.70	29	-	0	o	29.24	-0.4	29	0	S	1	o	*	-	34	19	*	*	*			*	
Isafjord... ..		29.73	37	NE	8	o	29.74	+0.1	33	-12	NE	3	bc	*	*	*	*	*	*	*			*	
Reykjavik ... ..		29.58	48	W	1	o	29.58	0.0	44	-2	NW	1	b	*	*	*	*	*	*	*			*	
Vestmanna ... ..		29.60	43	E	2	r	29.59	+0.1	39	-1	-	0	r	1	*	*	*	*	*	*			*	
Seydisfjord ... ..		29.66	43	E	5	o	29.63	0.0	36	-2	NE	3	o	*	*	*	*	*	*	*			*	
Thorshavn ... ..		29.41	49	SE	2	o	29.24	+0.1	47	0	NNE	2	o	*	*	*	*	*	*	*			*	
Haparanda ... ..		29.20	47	W	4	o	29.26	+0.4	41	-9	NNE	6	o	*	0.20	50	41	*	*	*			*	
Hernösand ... ..		29.33	53	-	0	bc	29.37	+0.2	53	-2	W	2	b	*	0.08	77	46	*	*	*			*	
Stockholm ... ..		29.54	53	WSW	4	c	29.51	-0.1	54	0	WSW	4	o	*	0.04	63	50	*	*	*			*	
Wisby ... ..		29.70	55	WSW	8	b	29.65	-0.4	55	+6	WSW	6	b	*	-	64	50	*	*	*			*	
Karlstad ... ..		29.51	52	WSW	4	bc	29.47	-0.2	55	+2	WSW	4	c	*	0.44	59	48	*	*	*			*	
Færder (X'lania Fjord)		29.52	54	SW	8	c	29.45	-0.5	51	-1	SW	6	r	4	-	55	52	*	*	*			*	
Bodö ... ..		29.39	42	NW	4	c	29.43	+0.2	42	-2	N	2	c	1	0.08	43	37	*	*	*			*	
Christiansund ... ..		29.43	50	WNW	2	c	29.35	-0.4	51	-1	ESE	1	c	2	-	52	48	*	*	*			*	
Skudesnaes ... ..		29.59	49	WSW	4	c	29.28	-0.8	49	-1	S	8	r	5	0.47	50	48	*	*	*			*	
The Scaw (Skagen)... ..		29.71	51	W	6	o	29.52	-0.7	51	-1	SW	5	r	1	0.08	55	48	*	*	*			*	
Blaavands Huk ... ..		29.88	51	WSW	7	o	29.56	-1.2	51	-2	SW	6	r	4	0.08	55	48	*	*	*			*	
Cuxhaven ... ..		30.02	55	W	5	o	29.73	-0.4	53	-2	SW	6	o	3	-	57	52	*	*	*			*	
The Helder ... ..		30.04	55	WSW	6	c	29.69	-0.9	52	-2	SSW	7	r	5	0.24	57	52	*	*	*			*	
Brussels ... ..		30.15	55	SW	2	c	29.93	-0.5	58	+3	WSW	5	o	*	-	65	52	*	*	*			*	
Berlin ... ..		30.06	62	NW	3	c	29.95	-0.7	60	0	SW	3	c	*	Trace	68	52	*	*	*			*	
Frankfurt ... ..		30.15	60	N	1	b	30.08	-0.3	58	-3	SW	3	o	*	-	68	52	*	*	*			*	
Munich ... ..		30.17	58	SW	5	o	30.17	0.0	58	-1	SW	4	c	*	0.20	66	52	*	*	*			*	
C. Gris Nez... ..		30.16	54	SW	5	o	29.90	-0.5	54	+1	SW	7	o	6	-	59	50	*	*	*			*	
La Hève ... ..		30.23	55	SW	1	b	30.06	*	53	0	SW	4	bc	4	-	63	45	*	*	*			*	
Brest (St. Mathieu) ... ..		30.30	56	WSW	2	bc	30.13	0.0	53	-1	WSW	5	o	5	-	61	48	*	*	*			*	
Lorient (Beo Molen)... ..		30.25	58	W	3	bc	30.16	*	55	+4	W	5	c	4	-	61	50	*	*	*			*	
Rochefort (Ile d' Aix)		30.24	63	NW	3	bc	30.21	+0.1	60	+1	NW	2	bc	*	-	70	57	*	*	*			*	
Biarritz ... ..		30.21	64	NE	3	b	30.19	+0.1	63	+4	-	0	o	2	-	68	59	*	*	*			*	
Paris ... ..		30.23	62	WSW	2	bc	30.12	-0.2	60	+4	SW	3	b	*	-	68	50	*	*	*			*	
B																								

## GALES.

Duration and Extreme Force  
on British Coasts.

Malin Head, Jan-Tam.  
Extreme NW. 9.

Blacksod Pt. 8 a.m.-Tpm.  
Extreme WSW. 9.

Holyhead, 11 a.m.-2 p.m.  
Extreme SW. 9.

Pembroke, 8 p.m.-4 a.m.  
Extreme WSW. 8.

Portland, 11 p.m.-7 a.m.  
Extreme WSW. 8.

Dungeness, 2 a.m.-7 a.m.  
Extreme SW. 8.

Southport, 3 a.m.-7 a.m.  
Extreme SW. 8.

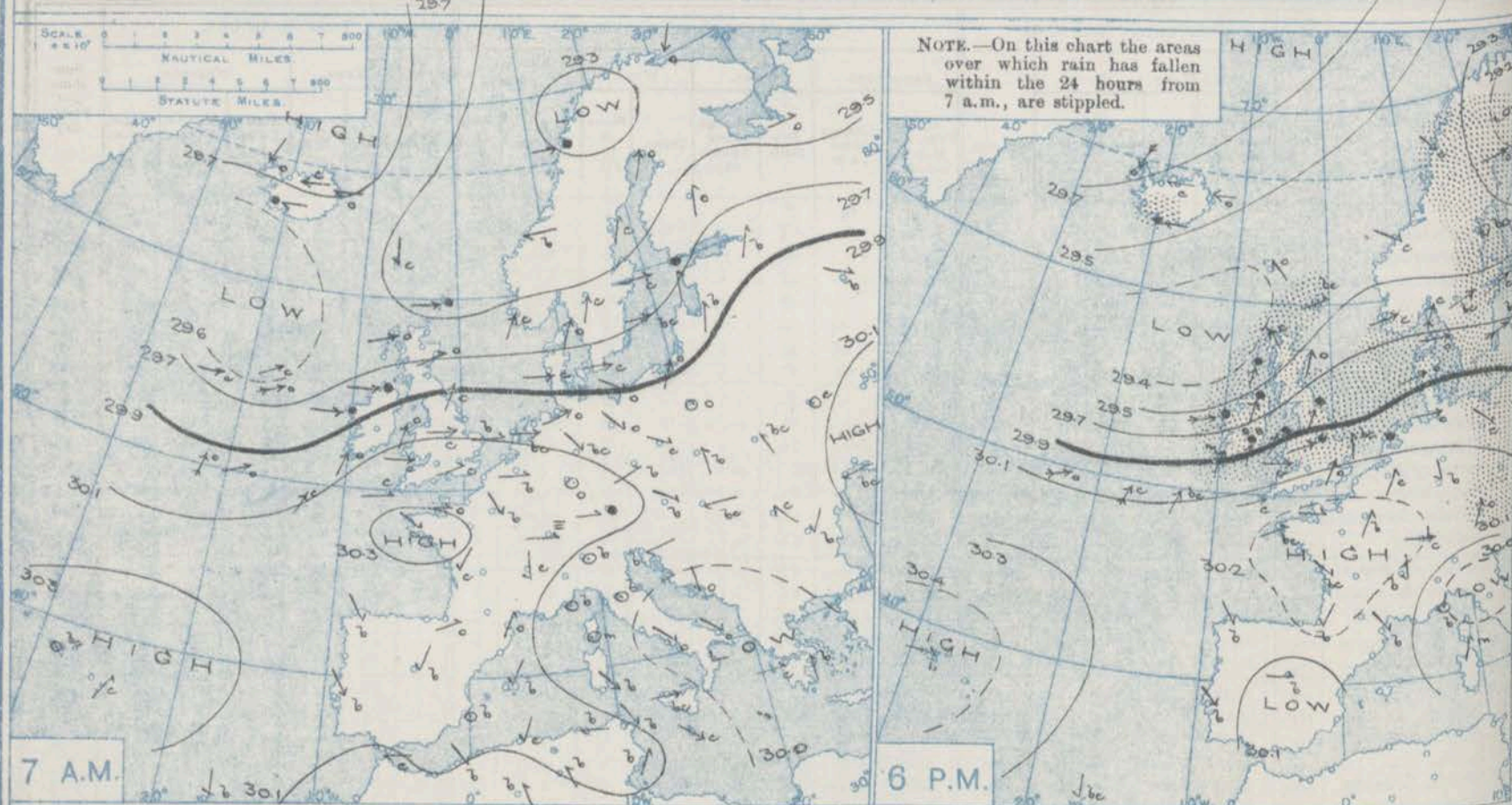
Gusts 58 mph (10)

\* 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. 9<sup>th</sup> JUNE.



## GENERAL INFERENCE

There are some indications of the existence of further disturbances out on the

## WEATHER PROSPECTS.

Atlantic, so that the windy, unsettled weather is expected to hold for the present.

## FORECASTS FOR THE 24 HOURS NOON TUESDAY TO NOON WEDNESDAY.

- 0 {  
a  
b  
1  
2 {  
a  
b  
3  
4 {  
a  
b  
5
- Wind mainly between W. and S., very squally, strong to a gale at times; dull, unsettled, some rain, fair intervals later; 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.

South Cone hoisted yesterday on all coasts.

- 6 {  
a  
b  
7 {  
a  
b  
8 {  
a  
b  
9 {  
a  
b  
10 {  
a  
b
- Same as Nos 0 to 5.

### WESTERN CHANNEL AND BAY.

W. and S.W. winds, very squally, strong to a gale at times; rough sea; high S.W. swell; dull to fair, some rain and mist; very cool.

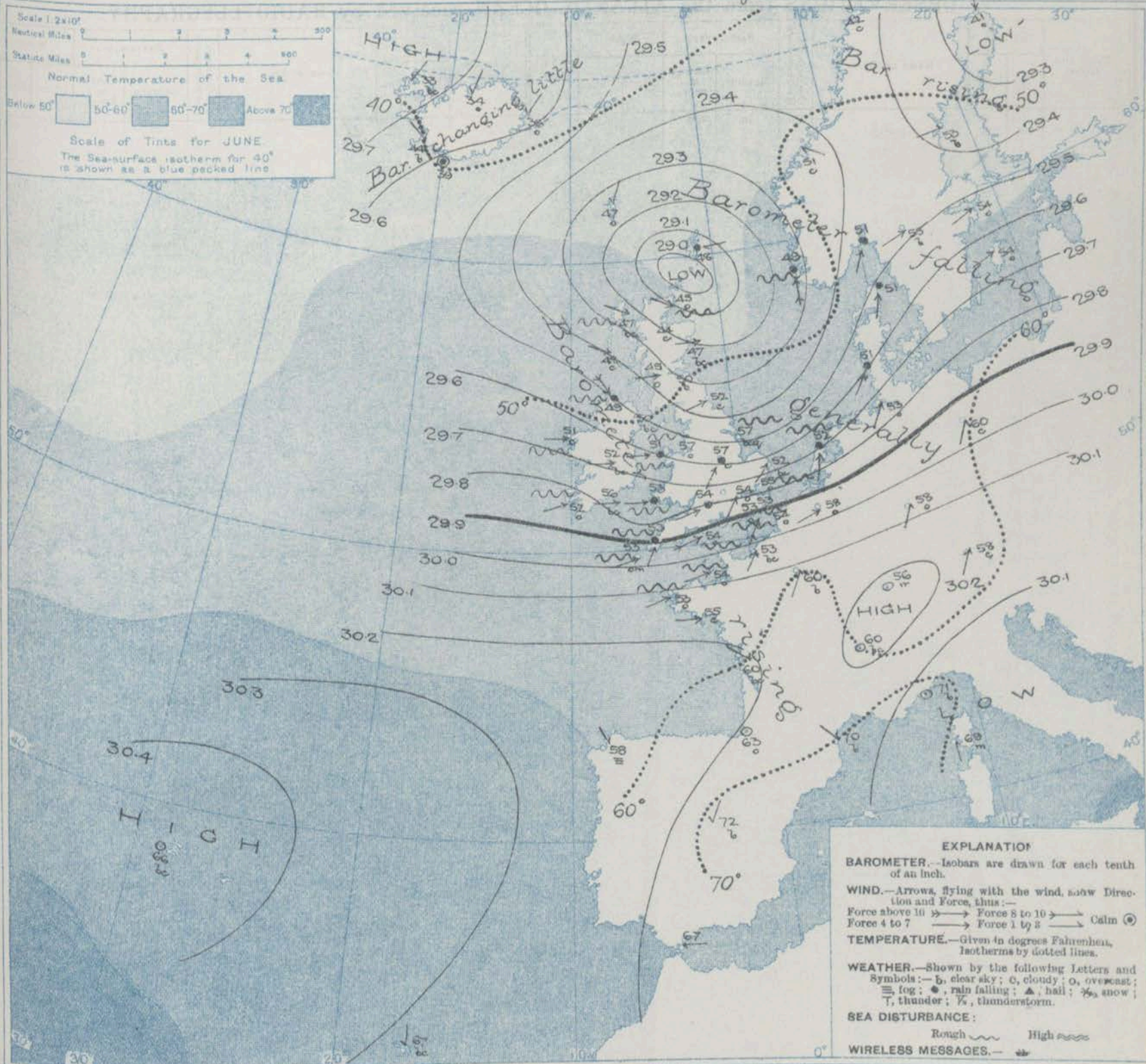
### THE FURTHER OUTLOOK. (All Districts)

Weather continuing cool and unsettled



# SYNOPTIC CHART FOR 7 A.M. Tuesday 10<sup>th</sup>

JUNE 1913



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

In an anticyclone extending from Central Europe to the Bay and mid-Atlantic pressure is above 30.2 in. over Eastern France, and above 30.4 in. at the Azores. Another high pressure is indicated over Greenland. In the region between these systems the barometer is below 29.8 in. at Spitzbergen and in Lapland, and as low as 29 in on the Pentland Firth, at the centre of a deep depression which embraces the whole of the British Isles and the neighbouring parts of the Continent. The gradient is very steep for Midsummer.

The winds show a complete cyclonic circulation

round the Pentland Firth pressure minimum, the Easterly to Northerly current on its northern side being light in force, while elsewhere Southerly to Westerly strong winds and gales prevail. At the home stations temperature ranges from 44° at Bournemouth to 57° at Liverpool, Nottingham and Spurn Head; on the Continent from 41° at Haparanda, and 42° at Bodö to 71° at Nice and 72° at Madrid; and in Iceland from 33° to 44°. The weather is fine in many parts of France and Spain, but in most other regions it is overcast and dull, rain falling at a number of home and foreign stations. The sea is rough or rather rough on many coasts.



## DAILY WEATHER REPORT.

Tuesday, 10th June, 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.	
9h 6p.m.	49	23	Campania	0	In.	-02	WSW	8-9	0						In.	In.		(0-12)	
"	49	16	Minnehaha	0	29.98	-02	SW	8-9	c										
"	49	13	Finland	0	30.14	-07	SW	6-7	bc										
" 7a.m.	54	23	Virginian	0	29.65	+01	W	6-7	c										
"	54	18	Columbia	0	29.52	-08	WSW	8-9	0										
"	55	17	Hesperian	0	29.59	-15	WSW	6-7	c										
"	49	12	Minnehaha	0	30.18	-04	SW	6-7	c										
"	50	19	Campania	0		-02	WSW	6-7	0										
"	50	21	Montrose	0	29.74	-11	SSW	8-9	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	...	...	...	...	...	...
	Blackpool	...	...	...	...	...	...		Eastbourne	...	...	...	...	...	...
	Southport	...	...	...	...	...	...		Seaford	...	...	...	...	...	...
England, N.W.	Buxton	...	...	...	...	...	...	England, S.W.	Brighton	...	...	...	...	...	...
	Leamington Spa	...	...	...	...	...	...		Worthing	...	...	...	...	...	...
	Douglas	...	...	...	...	...	...		Littlehampton	...	...	...	...	...	...
	Rhyl	...	...	...	...	...	...		Southsea	...	...	...	...	...	...
Wales.	Colwyn Bay	...	...	...	...	...	...	England, S.W.	Bournemouth	...	...	...	...	...	...
	Llandudno	...	...	...	...	...	...		Exmouth	...	...	...	...	...	...
	Bettws-y-Coed	...	...	...	...	...	...		Weymouth	...	...	...	...	...	...
	Aberystwyth	...	...	...	...	...	...		Teignmouth	...	...	...	...	...	...
England, S.W.	Lowestoft	...	...	...	...	...	...	England, S.W.	Torquay	...	...	...	...	...	...
	Felixstowe	...	...	...	...	...	...		Paignton	...	...	...	...	...	...
	Walton-on-Naze	...	...	...	...	...	...		Ilfracombe	...	...	...	...	...	...
	Southend-on-Sea	...	...	...	...	...	...		Weston-super-Mare	...	...	...	...	...	...

## LONDON OBSERVATIONS.

## Additional Observations for Yesterday.

STATIONS.		Humidity.	TEMPERATURE.		Rainfall.	WEATHER.		Sunshine for Yesterday.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine for Yesterday.
			In Screen.	Min. on Grass.		Forenoon.	Afternoon.					In Screen.	Night Min. on Grass.	Night.	Forenoon.	
			Max.	Min.								Max.	Min.			
			24 HOURS ENDED 9 A.M. TO-DAY.													
			F.	F.	F.	In.					In.	F.	F.	F.	In.	
			68	51	47	-	bc bc o	0			0.07	56	47	45	bc o	0.07
			64	53	49	-	bc bc o	0.0			58	48	40	bc o	0.0	0.0
			68	52	49	-	bc bc o	0.0			51	47	42	bc o	0.0	0.0
			62	50	47	-	c c c	0.0			57	43	38	bc o	0.0	0.0
			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.								62	44	39	bc o	0.0	0.0
			Total.	Mean Rate.	Max. Rate.											
			2027	Joals.	34.2	Milliwatts.	92	Milliwatts.								
			52	87				60				65	45	39	bc bc	0.0

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

10th June 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 3.32 3.32	G.M.T. 11.52 11.52	G.M.T. 8.12 8.13
Greenwich	3.45 3.45	11.59 11.59	8.13 8.13
Wick	3.9 3.8	12.11 12.11	9.13 9.14
Valencia	4.23 4.23	12.40 12.40	8.57 8.58

## NOTES ON YESTERDAY'S WEATHER.

During yesterday the temperature maxima were below 60° at most stations, at Malin Head 50°. Rain has fallen in most neighbourhoods, more than  $\frac{1}{2}$  in in Central Ireland. The duration of bright sunshine ranged from none at all in some places to more than 10 hours in others. A S.W. gale, with severe squalls, has been felt on various sections of our coast. As far west as the 25th meridian ships have experienced S.W. to S. strong winds and gales, with fair to dull weather.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. 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.

12.25  
DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Wednesday  
11th June, 1913.

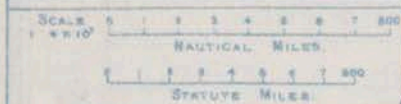
STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.		
	BAROM.		TEMP.		WIND.	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.					
	At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Dirac.	Force (0 to 12).			At 32° Fahr. and M.S.L. Lat. 46°.	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 ... ..	29.29	50	NW	6	o	29.62	+0.6	44	-4	WNW	5	c	5	0.14	52	43	dpq	dpq	cpq				
Castlebay (Barra Isd.)	29.58	49	NW	5	cpq	29.82	+0.4	48	+1	W	2	bc	2	0.09	53	41	bcq	cpq	cpq	9.1			
Glasgow ... ..	29.66	52	WNW	4	bc	29.86	+0.3	48	0	W	3	o	3	0.02	54	45	cpq	bc	bc	12.0			
Malin Head ... ..	29.63	52	W	5	bc	29.87	+0.4	45	0	WSW	3	c	*	0.04	54	44	dpq	bc	bc	3.9			
Blackod Point ... ..	29.71	50	W	8	cp	29.89	+0.1	49	0	WNW	6	m	4	0.01	53	47	cmq	bcq	bcq	*			
Valencia ... ..	29.84	53	W	2	bc	30.00	+0.2	51	0	W	3	o	3	0.04	55	48	cm	c	cmq	*			
	30.00	52	WNW	4	cp	30.11	+0.3	52	0	WSW	3	c	4	0.01	55	50	cm	c	cmq	5.5			
Roche's Point ... ..	29.94	57	WNW	4	bc	30.11	*	51	-5	WSW	3	c	3	-	62	48	bc	bc	bc	*			
Birr Castle ... ..	29.87	53	W	5	c	30.03	*	51	-1	SW	3	c	*	-	59	47	bc	c	c	9.1			
Donaghadee ... ..	29.74	55	NW	2	c	29.96	+0.4	48	-2	W	2	bc	2	0.01	59	45	bcq	cp	c	*			
Liverpool Obsy. ... ..	29.71	55	W	4	o	29.99	+0.5	51	-6	W	4	o	4	0.06	60	50	bcq	bcq	o	10.0			
Holyhead ... ..	29.80	55	W	3	o	30.01	+0.2	51	0	W	3	og	3	0.02	60	50	o	bc	bc	6.2			
Pembroke (St. Ann's Hd.)	29.90	53	W	6	c	30.09	+0.4	51	-2	NW	4	og	3	0.01	56	50	ogmp	bcq	aq	7.8			
Newquay ... ..	29.98	55	W	5	c	30.13	+0.6	53	0	W	4	o	4	0.02	57	51	ogd	c	c	0.5			
Scilly (St. Mary's) ... ..	30.00	56	WNW	4	cm	30.15	+0.4	52	-1	NW	2	o	3	trace	57	49	om	om	c	0.5			
Jersey (St. Aubin) ... ..	30.07	56	WSW	6	og	30.19	*	55	+1	W	3	o	3	trace	58	53	og	om	om	1.3			
Portland Bill ... ..	29.92	55	WSW	7	bc	30.17	+0.6	55	+1	W	4	b	4	trace	55	52	dp	o	bc	*			
Dungeness ... ..	29.83	56	SW	7	o	30.04	+0.2	58	+3	WNW	3	bc	3	-	58	49	og	og	c	*			
Dover ... ..	29.83	56	SW	5	c	30.05	*	54	+1	NW	3	b	4	-	56	48	o	c	c	0.0			
Wick ... ..	29.42	50	NW	5	bc	29.73	+0.6	45	0	NW	3	bcq	4	0.04	54	42	ogp	c	bcq	*			
Nairn ... ..	29.51	55	W	3	bc	29.79	*	49	+5	WNW	2	bc	2	0.02	56	42	ogp	c	bc	7.2			
Aberdeen ... ..	29.48	53	WNW	6	bc	29.74	+0.6	48	+1	WNW	4	bc	2	trace	58	44	bcq	bcq	bcq	9.8			
Leith ... ..	29.58	56	WSW	3	b	29.82	+0.5	51	+1	W	3	c	*	-	59	46	bcq	bcq	bc	*			
North Shields ... ..	29.60	58	W	4	bc	29.88	+0.7	51	-1	W	2	c	2	-	60	43	c	c	c	13.5			
Spurn Head ... ..	29.67	60	WNW	7	c	29.91	+0.7	53	-4	WNW	6	bcq	5	-	61	48	bcq	bcq	bc	?			
Yarmouth ... ..	29.70	65	W	4	bc	29.95	+0.7	53	+1	W	3	bc	3	-	67	49	bc	bc	bc	10.3			
Clacton-on-Sea ... ..	29.75	65	WSW	5	bc	30.00	+0.7	55	0	W	3	bc	2	-	67	50	o	c	bc	6.7			
Nottingham ... ..	29.73	59	WNW	5	c	29.97	*	53	-4	W	4	o	*	-	63	48	c	bc	bc	10.9			
Bath ... ..	29.88	58	W	5	bc	30.10	*	54	0	W	3	bc	*	0.02	63	44	*	*	*	5.1			
London (Kew Obsy.) ... ..	29.82	63	W	4	bc	30.06	+0.5	53	-1	W	2	bc	*	trace	66	49	ogp	ogp	ogp	7.2			
Spitzbergen ... ..	29.25	31	N	2	s	29.28	0.0	33	+4	SE	1	o	4	-	32	28							
Isafjord ... ..	29.75	39	N	5	b	29.77	+0.1	38	+5	-	0	b	*	-	*	*							
Reykjavik ... ..	29.66	48	W	3	c	29.71	0.0	43	-1	E	1	o	*	-	*	*							
Vestmanna ... ..	29.64	43	E	1	bc	29.71	+0.2	43	+4	NE	1	b	1	-	*	*							
Seydisfjord ... ..	29.71	40	NE	2	o	29.73	+0.1	35	+1	-	0	b	*	-	*	*							
Thorshavn ... ..	29.67	50	N	6	c	29.65	+0.1	41	-6	WNW	3	c	*	-	*	*							
Haparanda ... ..	29.34	46	NE	4	o	29.30	-0.2	48	+7	ENE	2	b	*	-	55	36							
Hernösand ... ..	29.27	50	S	2	bc	29.25	+0.1	49	-4	NNE	2	bc	*	trace	59	45							
Stockholm ... ..	29.20	50	SSE	4	o	29.00	0.0	47	-7	WNW	4	T	*	0.35	59	45							
Wisby ... ..	29.20	51	WSW	6	T	29.03	-0.8	49	-6	N	2	bc	*	0.16	57	45							
Karlstad ... ..	29.04	50	ESE	4	o	29.13	+0.6	51	-4	N	4	o	*	0.16	57	45							
Færder (X'ianla Fjord)	28.99	50	SW	5	o	29.22	+0.8	53	+2	WNW	4	o	3	0.39	53	48							
Bodö ... ..	29.36	42	NE	2	b	29.35	+0.2	41	-1	N	4	c	2	-	43	39							
Christiansund ... ..	29.17	50	NNE	4	c	29.46	+0.6	45	-6	NE	3	c	3	-	55	45							
Skudesnaes ... ..	29.08	54	ENE	2	c	29.38	+0.4	47	-2	WNW	8	o	5	0.59	54	45							
The Scaw (Skagen) ... ..	29.10	48	W	6	o	29.13	+0.6	54	+3	WNW	6	c	1	0.47	54	43							
Blaavands Huk ... ..	29.33	52	WSW	8	m	29.53	+1.1	50	-1	WNW	8	T	7	0.04	54	48							
Cuxhaven ... ..	29.58	54	W	7	b	29.68	+0.6	54	+1	W	8	b	4	0.12	57	52							
The Helder ... ..	29.71	57	SW	4	c	29.88	+0.8	54	+2	W	6	bc	5	-	59	54							
Brussels ... ..	29.87	55	WSW	5	T	30.01	+0.6	55	-3	NW	4	c	*	0.35	60	50							
Berlin ... ..	29.69	59	W	6	bc	29.67	+0.2	56	-4	SW	7	bc	*	0.04	68	52							
Frankfurt ... ..	29.86	66	SW	2	c	29.99	+0.6	60	+2	SW	4	c	*	-	70	57							
Munich ... ..	29.94	64	SW	3	b	30.00	+0.1	61	+3	SW	6	o	*	trace	70	57							
C. Gris Nez ... ..	29.86	55	WSW	8	o	30.06	+0.6	53	-1	W	5	bc	5	trace	55	52							
La Hève ... ..	30.02	56	WSW	5	o	?	*	53	0	W	5	bc	5	-	59	46							
Brest (St. Mathieu) ... ..	30.15	56	SW	5	m	30.25	+0.3	54	+1	WNW	3	f	2	-	57	52							
Lorient (Rec Malen) ... ..	30.15	57	W	4	T	30.18	*	55	0	W	3	o	3	-	61	52							
Rochefort (Ile d'Alx) ... ..	30.23	60	WNW	4	c	30.27	+0.3	60	0	W	4	f	*	-	68	57							
Biarritz ... ..	30.23	64	WNW	3	o	30.32	+0.4	61	-2	SW	2	o	3	-	68	59							
Paris ... ..	30.00	71	SW	5	bc	30.15	+0.6	57	-3	W	3	o	*	-	75	55							
Belfort ... ..	30.04	70	W	6	b	30.19	*	54	-2	W	7	o	*	-	73	53							
Lyons ... ..	30.10	76	-	0	b	30.25	*	62	+2	N	1	bc	*	-	81	54							
Nice ... ..	30.02	68	-	0	b	29.98	+0.1	65	-6	-	0	b	q	-	81	61							
Perpignan ... ..	30.10	81	NE	1	f	30.19	+0.1	68	-2	W	3	b	*	-	87	64							
S																							

GALES.  
Duration and Extremes Force on British Coasts.  
Glasgow. 10 a.m.-3 p.m.  
Extreme W. 8.  
Malin Hd. 7 a.m.-11 p.m.  
Extreme W. 8.  
Portland Bill. 7 a.m.-3 p.m.  
Extreme WSW 8.  
Dungeness. 7 a.m.-5 p.m.  
Extreme SW 9.  
Wick. 10 a.m.-3 p.m.  
Squalls 8.  
Aberdeen. 10 a.m.-3 p.m.  
Extreme WSW 8.  
1.30 p.m.  
Squall 6 to 11 (11).  
Spurn Head. 10 a.m.  
Extreme W. 8.

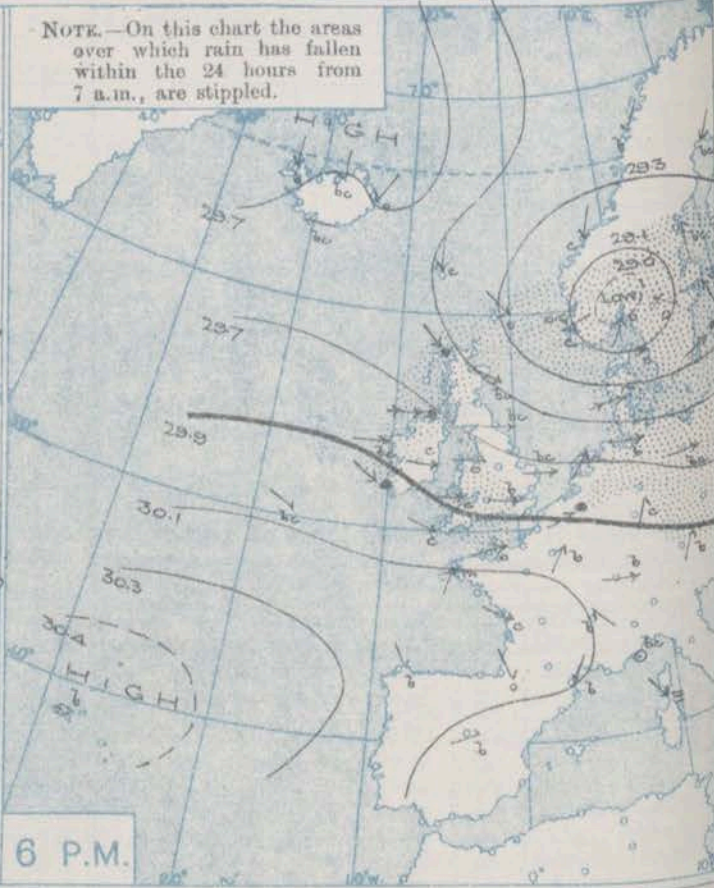
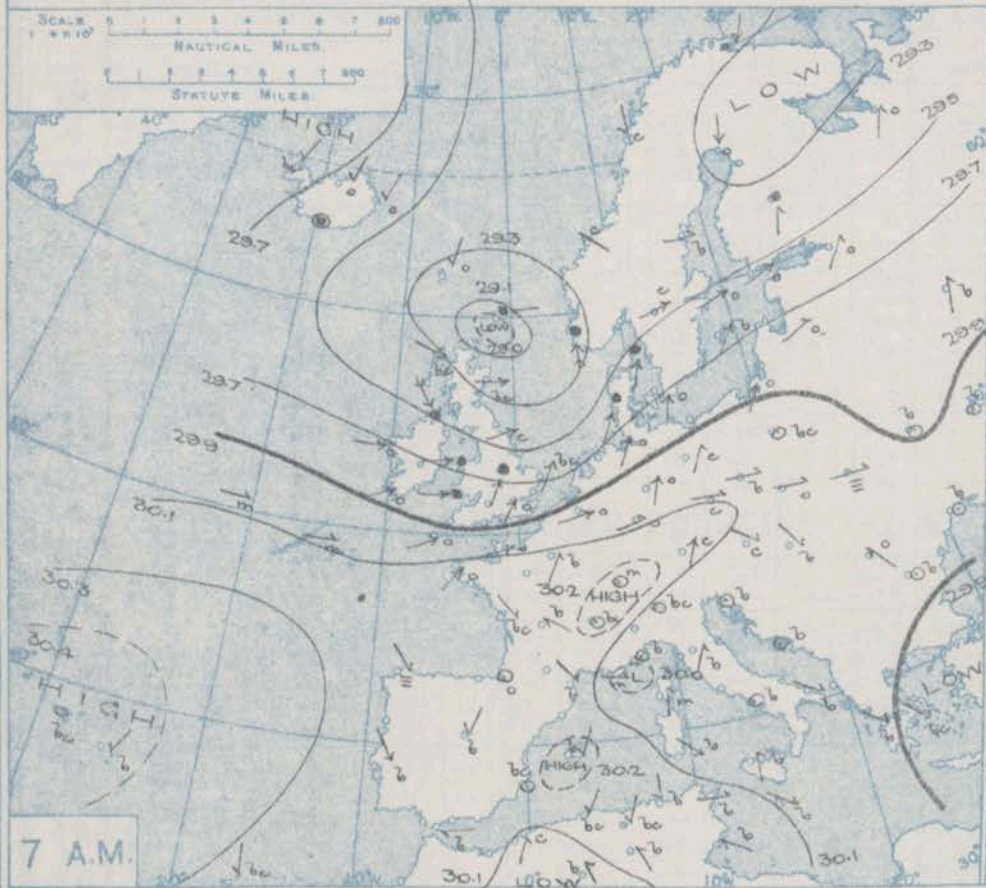
\* Information for these columns not usually received. † Received too late for insertion in Charts.



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 10<sup>th</sup> JUNE



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 everywhere, but as the wind is inclined to back on the

western coasts the conditions remain of a changeable character.

## FORECASTS FOR THE 24 HOURS NOON WEDNESDAY TO NOON THURSDAY

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

W. to [S.W. to S.W.] breezes, fresh at times; generally fair or fine, some passing showers locally; cool to 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 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.

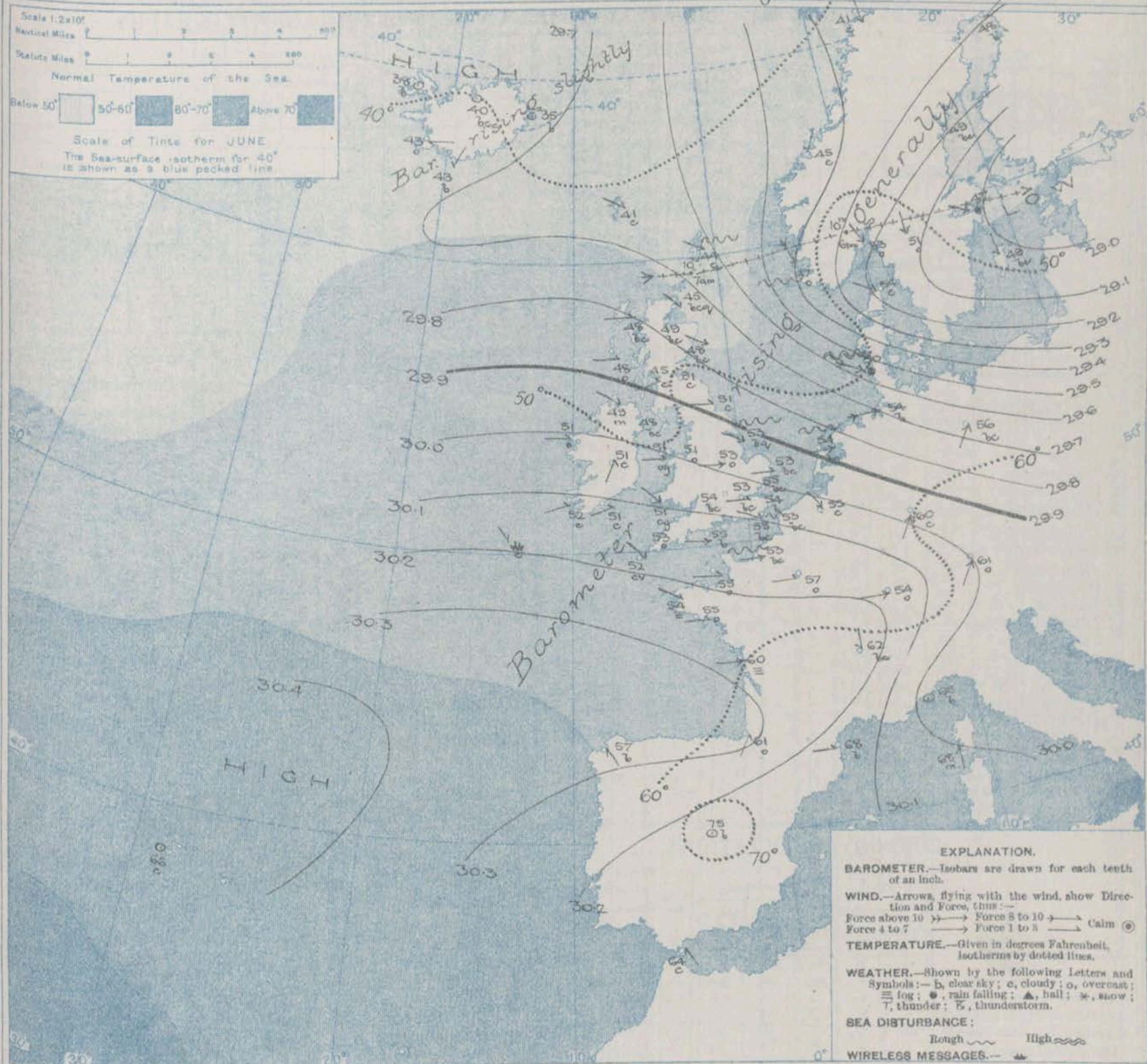
11 WESTERN CHANNEL AND BAY. S.W. breezes, fresh at times; sea moderate to slight; generally fair or fine, local showers and fog; cool.

## THE FURTHER OUTLOOK.



# SYNOPTIC CHART FOR 7 A.M. Wednesday, 11<sup>th</sup>

JUNE 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

An area of high pressure extends from Eastern France far out across the Atlantic, the barometer being up to nearly 30½ in. at the Azores. The deep depression which was over the Pentland Firth yesterday morning has moved eastward, and its centre is now beyond Stockholm, where the barometer is down to 29 in. The gradient is steep over Denmark and the Baltic, moderate to slight elsewhere.

Calms prevail over Iceland, North-Easterly to Northerly winds over Scandinavia, and from between North-West and South-West over the rest of our area.

From Southern Norway down to Bavaria the force is strong to a gale, in other regions it is mostly light to moderate. Over the British Isles temperatures range from 44° at Lerwick to 58° at Dungeness; on the Continent from 41° at Bodø, and 45° at Christiansund to 65° at Nice, and 68° at Perpignan; and in Iceland from 35° to 43°. Fine to fair cloudy weather is reported nearly everywhere, but rain is falling at Stockholm, and the atmosphere is foggy down the west coast of France. A high sea is running on the Danish coast, but in most other regions it is moderate or slight.



## DAILY WEATHER REPORT.

Wednesday, 11th July, 1913.

## OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
11th 7am	50	13	Sicilian	H	30.20	+0.3	NW	1-3	c
10th 3pm	50	17	Arabic	H	30.08	-0.3	WNW	1-3	bc
" 1pm	51	12	Sicilian	H	29.95	+0.3	WNW	4-5	bc
" 7am	50	20	Sicilian	H	30.02	+1.1	W	1-3	m
" "	49	13	Finland	H	30.09	+0.3	W	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.
		Max.	Min.	Forenoon.	Afternoon.	
Scotland.	In.	F.	F.			Hr.
Oban ...	0.34	53	45	bc bc.	bc.	5.9
Stonehaven ...	"	59	47	bc	bc	10.8
St. Andrews ...	0.04	60	48	b	bc bc.	12.6
Carnoustie ...	0.02	60	48	"	"	13.3
England, N.E.						
Harrogate ...	0.11	57	46	bc bc.	b	11.2
Scarborough ...	"	63	48	c bc.	c bc.	10.4
England, N.W.						
Blackpool ...	0.30	58	48	rcy	c bc.	7.4
Southport ...	0.41	59	48	b bc.	b bc.	9.8
Buxton ...	0.68	55	43	cr	bc	8.2
Leamington Spa ...	0.19	65	50	c	c	7.3
Douglas ...	0.26	58	48	bcy	bcy	9.0
Rhyl ...	0.28	60	49	bc	bc	8.8
Wales.						
Colwyn Bay ...	0.24	61	48	p bc.	p bc bc.	9.0
Llandudno ...	0.35	61	49	b	bc bc.	7.6
Bettws-y-Coed ...	"	61	45	b	bc bc.	5.4
Aberystwyth ...	1.12	56	50	rc bc.	c bc bc.	1.5
England, S.W.						
Lowestoft ...	0.35	67	49	c bc.	bc.	9.5
Felixstowe ...	0.06	67	51	m bc bc.	bcy	6.7
Walton-on-Naze ...	0.08	62	50	rcy	b bc.	6.0
Southend-on-Sea ...	"	66	52	"	b	7.0
England, S.E.						
Margate ...	"	62	52	"	"	"
Ramsgate ...	"	60	53	"	"	"
Folkestone ...	"	56	50	bc	c bc.	"
Littlestone ...	"	"	"	"	"	"
Hastings ...	"	56	52	"	"	"
Bexhill-on-Sea ...	"	56	52	bc	bc	"
Eastbourne ...	"	56	51	bc	bc	"
Seaford ...	0.07	57	51	bc	bc	"
Brighton ...	0.03	57	54	bc	bc	"
Worthing ...	0.04	58	53	bc	bc	"
Littlehampton ...	"	"	"	"	"	"
Southsea ...	0.01	61	52	bc bc.	c bc bc.	2.3
Bournemouth ...	"	60	52	"	"	0.8
Exmouth ...	"	66	56	bc	bc	4.1
Weymouth ...	"	60	52	bc	bc	0.5
Teignmouth ...	"	63	52	bc	bc	2.3
Torquay ...	0.01	61	53	bc	bc	3.4
Paignton ...	0.03	62	52	bc	bc	1.6
Ilfracombe ...	0.22	58	52	bc	bc	3.1
Weston-super-Mare ...	0.32	60	52	bc	bc	4.0

## 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.																			
	%	%	F.°	F.°	F.°	In.				Hr.		In.	F.°	F.°	F.°				
Greenwich (Royal Obsy.) ...	62	62	69	48	42	-	0	o b c b	b c b	6.8	Dublin to 4 p.m.	0.14	61	51	48	pg	b c y	c q	
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	7.3	Plymouth to 9 p.m.	0.06	59	52	51	ed q	b c v	b c v	
Westminster (St. James's Pl.)	61	73	68	49	49	-	b c	b c	b c	7.2	Darwen "	0.49	56	44	42	or c	c u b	b c u	
Camden Sq. (Brit. Rainfall)	51	58	71	48	44	-	o b c	b c	b c	7.4	Manchester "	0.16	60	48	46	or c	b c	b c	
Hampstead (Reservoir) ...	*	60	65	46	42	-	b c	b c	b c	7.4	Birmingham "	0.36	62	48	46	r c	c	c	
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.									Oxford to 8 p.m.	*	65	51	50	or o or	or c	c b c b
			Total.		Mean Rate.		Max. Rate.												
S. Kensington (Roof of M.O.)	54	63	1385 Joules.		23.4 Milliwatts.		82 Milliwatts.		6.7	S. Kensington (Museum Grounds to 6 p.m.)	-	68	53	50	o o b d	or c	c b c v		

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

11th & 12th July, 1913.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 3.32 3.32	G.M.T. 11.52 11.52	G.M.T. 8.13 8.13
Greenwich ...	3.45 3.45	11.59 11.59	8.13 8.14
Wick ...	3.8 3.8	12.11 12.11	8.14 8.15
Valencia ...	4.23 4.23	12.40 12.40	8.58 8.58

## NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature remained below 60° in most parts of the country, but it exceeded 65° locally in the south-east of England. As a rule the rainfall was very slight. Stations on the south coast had no bright sunshine, while Shields and Carnoustie had over 13 hours. A S.W. gale was felt on many parts of our coasts, a strong gale at Dungeness, and at Aberdeen gusts up to 64 miles per hour (storm force) were registered. As far west as the 22nd meridian ships experienced light to moderate S.W. and S.E. breezes, and fair 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. low frost; z. dust-haze, or smoke.

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



1913.

12. 26

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Thursday, 12th June, 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.	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 ... ..	In. 29.67	F. 43	WNW	4	bc	In. 29.78	+0.5	44	0	WNW	3	c	3	0.02	52	40	bcp	bc	cp	Hours				
Stornoway ... ..	29.80	51	W	6	epg	29.94	+0.6	49	+1	NW	3	c	3	0.12	55	43	cdp	cpq	cpq	8.6				
Castlebay (Barra Isd.)	29.85	51	W	4	b	30.01	+0.3	49	+1	WNW	3	bc	3	0.08	53	44	op.bc	bc.op.b	b.op.b	7.6				
Glasgow ... ..	29.88	47	W	3	o	30.01	+0.6	47	+2	WNW	3	c	3	0.14	52	43	cdp	cdp	cdp	1.7				
Malin Head ... ..	29.90	50	W	5	bog	30.04	+0.5	50	+1	WNW	3	bc	3	-	53	47	om	bog	bog	*				
Blackod Point ... ..	30.01	50	W	3	r	30.10	+0.4	51	0	-	0	b	2	0.06	53	42	om	om	om	*				
Valencia ... ..	30.08	52	SW	3	r	30.10	+0.4	55	+3	ENE	3	bc	4	0.11	55	50	c.b.	ov.r	ov.r	0.3				
Roche's Point ... ..	30.09	53	W	3	o	30.12	*	50	-1	ENE	2	o	3	0.08	56	49	og	ogp	od.om	*				
Birr Castle ... ..	30.03	49	W	4	c	30.10	*	47	-4	W	2	b	2	0.04	55	42	cp	cp	c.b.	0.8				
Donaghadee ... ..	29.94	49	NW	2	c	30.06	+0.4	48	0	NW	2	b	2	0.16	58	41	bcp	cp	cp	*				
Liverpool Obsy. ... ..	29.98	52	WSW	3	r	30.08	+0.4	49	-2	WNW	3	bc	3	0.19	57	48	o	ot	p.b.c	0.2				
Holyhead ... ..	29.99	52	WSW	2	ogtm	30.08	+0.3	50	-1	N	3	b	2	0.07	56	48	og.co	op.erm	red.bc	0.1				
Pembroke (St. Ann's Hd.)	30.06	52	W	b	c	30.08	+0.2	51	0	NE	1	cp	1	0.05	55	48	cg	c	cg	4.4				
Newquay ... ..	30.14	54	WSW	3	c	30.08	+0.2	54	+1	W	2	of	3	0.15	56	51	o	ov	boif	3.5				
Scilly (St. Mary's) ... ..	30.16	56	W	4	b.c	30.09	+0.1	54	+2	W	5	fe	5	0.04	59	51	c	b.c	c	4.1				
Jersey (St. Aubin) ... ..	30.21	56	W	4	o	30.19	*	53	-2	WSW	3	odm	3	0.01	58	52	b.c	o	b.c	2.3				
Portland Bill ... ..	30.08	54	WSW	5	bc	30.12	+0.2	52	-3	W	2	o	3	0.01	57	51	bc	o	cp	*				
Dungeness ... ..	30.03	56	SW	5	bc	30.06	+0.3	54	-4	W	3	o	3	-	61	51	b.c.	c.b.c.	c.o.	*				
Dover ... ..	30.04	56	SW	5	bc	30.07	*	55	+1	NW	3	bc	4	-	61	49	b.b.c	b.c.b.c.	b.c.b.c.	10.3				
Wick ... ..	29.75	46	WSW	2	c	29.84	+0.4	49	+4	NW	5	c	3	0.11	54	43	b.cq	b.c.p	cp.cq	*				
Nairn ... ..	29.77	52	WNW	3	c	29.90	*	49	0	W	1	b.c	1	0.02	58	41	b.b.c	p.b.c.	b.c.	6.6				
Aberdeen ... ..	29.78	50	WSW	2	o	29.91	+0.4	52	+4	WNW	3	b	2	0.01	59	43	b.c	e.op	cp.b.c.	5.6				
Leith ... ..	29.83	53	WSW	2	c	29.94	+0.5	50	-1	W	4	b	2	-	57	43	b.b.c	o.c.	b.c.b.	*				
North Shields ... ..	29.89	50	WSW	3	p	29.98	+0.6	48	-3	W	3	b	2	0.12	58	42	c	op	c	4.9				
Spurn Head ... ..	29.92	56	W	5	o	30.00	+0.5	52	-1	WNW	6	b	5	0.01	57	52	cg	og	a.c.b.	4.8				
Yarmouth ... ..	29.97	59	SW	1	c	30.00	+0.5	52	-1	WNW	2	bc	2	-	60	49	b.c	c	c.b.c	4.5				
Clacton-on-Sea ... ..	29.99	61	W	2	o	30.03	+0.6	54	-1	WSW	3	bc	2	-	64	48	b.c	c.o.	c.b.c	5.3				
Nottingham ... ..	29.97	56	W	4	o	30.04	*	53	0	NW	3	c	3	trace	60	48	o.c.	o	op	1.8				
Bath ... ..	30.09	57	W	4	bc	30.11	*	54	0	W	1	o	3	-	62	50	*	*	*	10.8				
London (Kew Obsy.) ... ..	30.03	61	W	2	c	30.09	+0.4	54	+1	WNW	2	o	3	-	64	50	b.c.	ov.b.c.	c.o.	10.4				
Spitzbergen ... ..	29.28	31	-	0	o	29.34	+0.2	32	-1	S	3	b	3	-	33	28	-	-	-	-				
Isafjord ... ..	29.79	40	N	5	b	29.76	-0.6	39	+1	-	0	b	3	-	33	28	-	-	-	-				
Reykjavik ... ..	29.78	49	E	1	r	29.78	+0.7	45	+2	E	1	o	3	-	33	28	-	-	-	-				
Vestmanna ... ..	29.79	45	SSe	1	o	29.81	+0.1	42	-1	-	0	c	1	-	33	28	-	-	-	-				
Seydisfjord ... ..	29.79	51	-	0	c	29.84	-0.1	37	+2	-	0	b	3	-	33	28	-	-	-	-				
Thorshavn ... ..	29.79	46	E	2	c	29.84	+0.4	41	0	NNW	2	c	3	-	33	28	-	-	-	-				
Haparanda ... ..	29.23	53	NW	2	b	29.28	0.0	50	+2	NW	4	c	3	-	61	41	-	-	-	-				
Hernösand ... ..	29.30	51	N	2	bc	29.38	+0.2	49	0	N	4	b	3	-	61	41	-	-	-	-				
Stockholm ... ..	29.28	50	WNW	2	b	29.35	+0.2	49	+2	NNW	2	c	3	-	61	41	-	-	-	-				
Wisby ... ..	29.31	52	W	4	bc	29.35	+0.1	52	+3	WNW	2	c	3	-	61	41	-	-	-	-				
Karlstad ... ..	29.34	54	NW	2	b	29.44	+0.4	39	-12	NNW	6	r	3	-	61	41	-	-	-	-				
Færder (X'lania Fjord)	29.37	53	-	0	c	29.50	+0.4	50	-3	NNE	3	bc	3	-	61	41	-	-	-	-				
Bodö ... ..	29.44	44	NW	1	c	29.49	+0.1	41	0	W	2	c	2	-	61	41	-	-	-	-				
Christiansund ... ..	29.54	46	N	1	b	29.63	+0.4	44	-1	NNW	1	b	2	-	61	41	-	-	-	-				
Skudesnaes ... ..	29.61	47	N	6	c	29.66	+0.2	47	0	NNW	4	c	4	-	61	41	-	-	-	-				
The Scaw (Skagen) ... ..	29.65	50	WNW	8	c	29.50	+0.4	49	-5	NW	3	o	1	-	61	41	-	-	-	-				
Blaavands Huk ... ..	29.76	48	WNW	6	c	29.74	+0.2	51	+1	NW	5	b	5	-	61	41	-	-	-	-				
Cuxhaven ... ..	29.85	52	W	6	o	29.79	0.0	50	-4	N	3	o	0	-	61	41	-	-	-	-				
The Helder ... ..	29.96	54	SW	4	o	29.93	+0.4	52	-2	WNW	6	c	4	-	61	41	-	-	-	-				
Brussels ... ..	30.04	54	WSW	4	c	30.05	+0.4	53	-2	WNW	3	o	4	-	61	41	-	-	-	-				
Berlin ... ..	29.84	53	W	6	c	29.78	-0.1	59	+3	W	4	o	3	-	61	41	-	-	-	-				
Frankfurt ... ..	30.02	59	SW	1	b	30.01	+0.1	54	-6	SW	2	o	3	-	61	41	-	-	-	-				
Munich ... ..	30.05	61	W	5	bc	29.98	-0.1	60	-1	W	6	o	3	-	61	41	-	-	-	-				
C. Gris Nez ... ..	30.04	55	WSW	6	c	30.08	+0.1	53	0	W	5	c	4	-	61	41	-	-	-	-				
La Hève ... ..	30.16	55	W	4	o	30.15	*	53	0	W	4	o	5	-	61	41	-	-	-	-				
Brest (St. Mathieu) ... ..	30.26	59	WNW	7	c	30.25	+0.2	54	0	SW	4	w	3	-	61	41	-	-	-	-				
Lorient (Beo Melon) ... ..	30.19	57	W	3	bc	30.22	*	55	0	WNW	3	c	3	-	61	41	-	-	-	-				
Rocheport (Ile d' Aix)	30.26	61	W	3	o	30.27	+0.2	59	-1	NW	3	o	3	-	61	41	-	-	-	-				
Biarritz ... ..	30.30	64	NNE	3	b	30.29	0.0	62	+1	E	2	c	3	-	61	41	-	-	-	-				
Paris ... ..	30.13	65	WSW	3	bc	30.17	+0.2	54	-3	WSW	2	o	3	-	61	41	-	-	-	-				
Belport ... ..	30.16	62	W	7	c	30.17	*	57	+3	W	7	o	3	-	61	41	-	-	-	-				
Lyons ... ..	30.21	66	NNE	1	bc	30.23	*	63	+1	NNW	2	c	3	-	61	41	-	-	-	-				
Nice ... ..	29.93	67	SW	1	b	29.92	+0.1	69	+4	-	0	bc	2	-	61	41	-	-	-	-				
Perpignan ... ..	30.14	75	NW	2	b	30.16	-0.1	70	+2	NW	3	b	3	-	61	41	-	-	-	-				
Sanguinaire ... ..	29.99	67	SW	4	f	29.95	*	68	0	SSW	3	f	4	-	61	41	-	-	-	-				
Corunna (S.a.m.) ... ..	30.26	61	NW	5	b	30.20	0.0	62	+5	NNE	1	b												

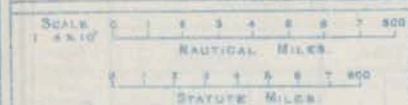
GALES.  
Duration and Extreme Force  
on British Coasts.

\* Information for these columns not usually received.

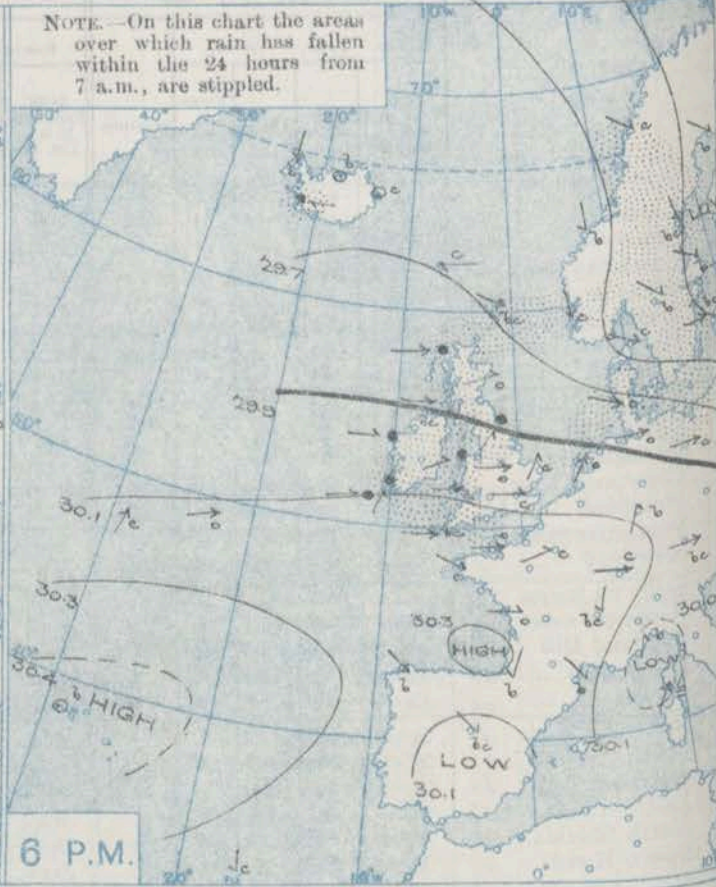
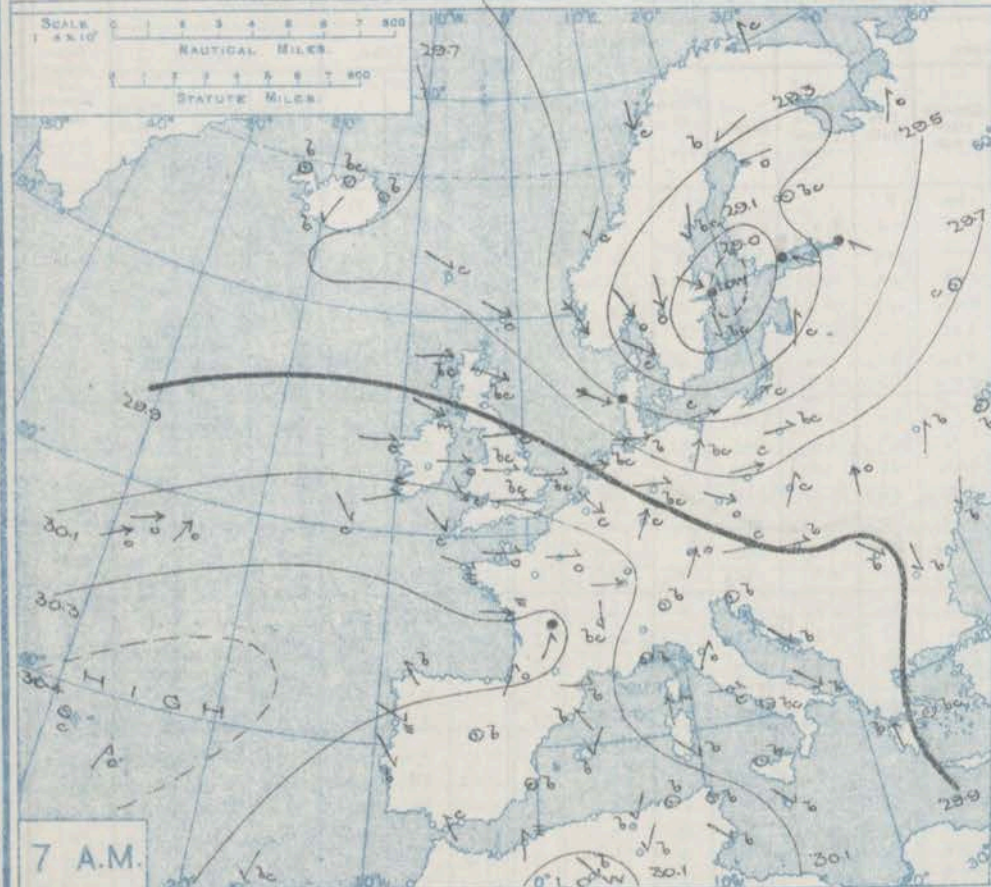
† Received too late for insertion in Charts.



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 11<sup>TH</sup> JUNE.



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



## GENERAL INFERENCE

A general rise of the barometer is in progress, and the tendency is in the direction

## WEATHER PROSPECTS.

of the expansion of the high pressure system over this country.

## FORECAST'S FOR THE 24 HOURS NOON THURSDAY TO NOON FRIDAY.

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

8% ind between 8% and 26,  
fresh at times in places;  
fair or fine to dull, slight local

showers; 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 5.

Very Variable breezes, finally 26%  
light; dull, with some showers and coast  
fog, finer later; cool.

Light 26%<sup>ly</sup> breezes; fine generally;  
some local showers; cool.

Light 26%<sup>ly</sup> to Variable breezes;  
generally fair or fine; cool.

### 11 WESTERN CHANNEL AND BAY.

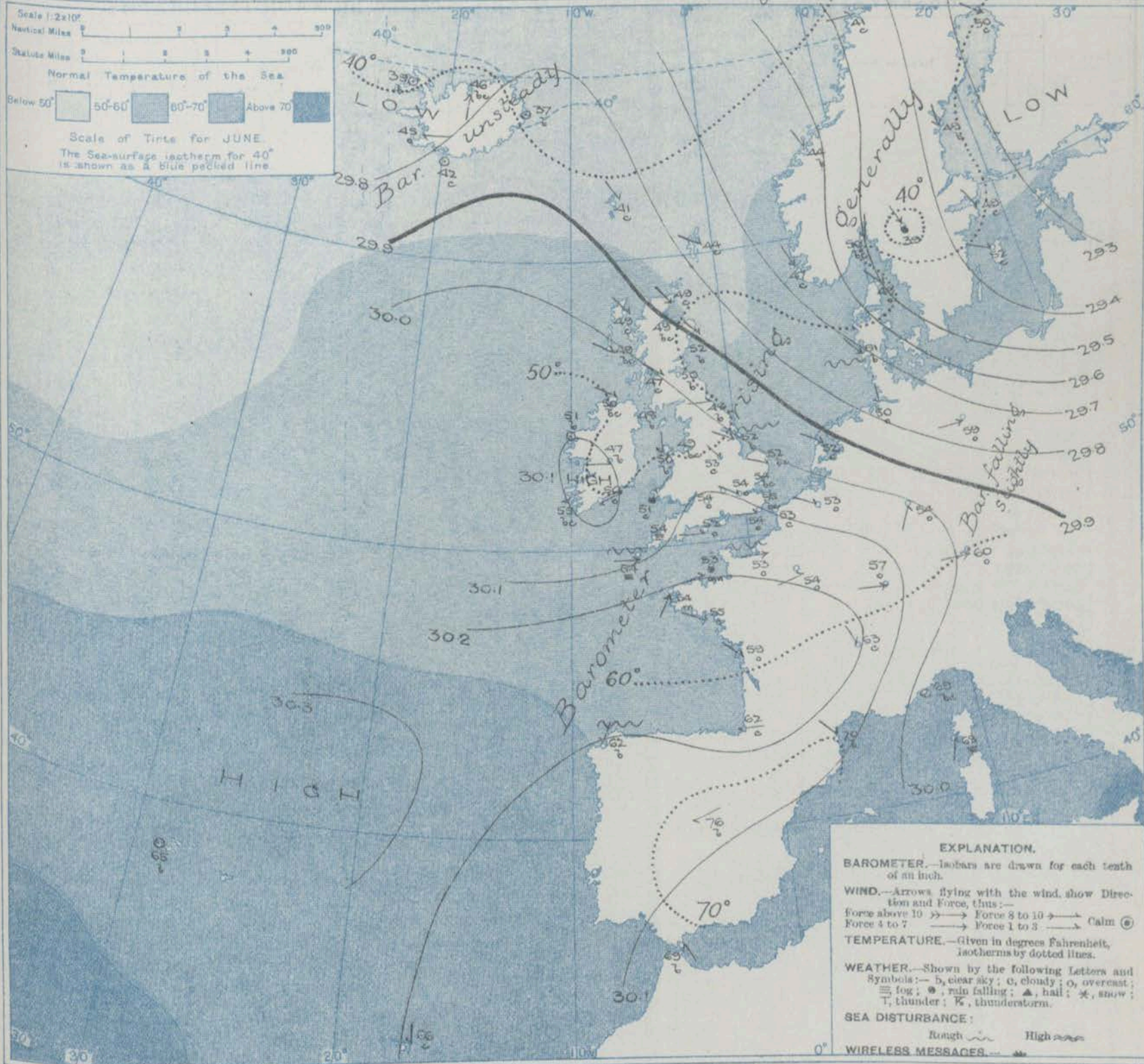
38% and 8%<sup>ly</sup> to Variable breezes, fresh  
at times; sea rather rough to slight;  
changeable, passing showers, a good deal  
of fog; cool.

## THE FURTHER OUTLOOK.



# SYNOPTIC CHART FOR 7 A.M. Thursday, 12<sup>th</sup>

JUNE 1913



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure now ranges from above 30.3 in. at the Azores to below 29.3 in. over Finland. The gradient, therefore, is slight generally.

Winds from between West and North prevail over nearly the whole of the region under observation, light to moderate in force as a rule. Over the British Isles temperature ranges from 44° at Looe, and

47° at Glasgow to 55° at Dover; on the continent from 39° at Karlstad, and 41° at Bodö to 69° at Nice and Gibraltar, and 70° at Perpignan; and in Iceland from 37° to 46°. Fair to fine clear weather prevails extensively, but showers are falling at Jersey, Pembroke and Karlstad, and the atmosphere is foggy on the south-western coasts, and off Corsica. The sea is moderate to smooth on nearly all coasts.



## DAILY WEATHER REPORT.

Thursday, 12th June, 1913.

## OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O=Outward. H=Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O=Outward. H=Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
11th 6 p.m.	47	29	Finland	O	30.17	-0.1	SSW	6-7	c	11th 1 p.m.	48.45	49.30	Scotia	-	29.66	-0.8	SSW	7	c
" "	49	22	Cedric	H	30.10	+1.0	WSW	6-7	o						Dry Bulb	39°	Sea Temperature	34°	
" "	51	11	Laconia	O	30.01	-1.0	WSW	6-7	r										
" 7 a.m.	47	29	Minnehaha	O	30.13	-0.3	SW	4-5	o										
" "	48	27	Cedric	H	30.05	-0.2	WSW	6-7	o										
" "	48	25	Finland	O	30.22	+0.2	SW	4-5	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. 0.18	F. 53	F. 46	c.	b.c.p.h.	0.9	England, S.E.	Margate ...	In. -	F. 64	F. 48			5.0
	Stonehaven ...	-	62	42	b.c.	c.	5.7		Ramsgate ...	-	64	48			4.0
	St. Andrews ...	-	59	44	b.c.	b.c.	3.1		Folkestone ...	-	62	49	b.c.b.	b.c.b.	9.8
	Carnoustie ...	-	60	43			4.7		Littlestone ...	-	62	49	b.c.b.	b.c.b.	11.3
England, N.E.	Harrogate ...	-	55	42	b.b.c.c.	o	3.9	England, S.W.	Hastings ...	-	62	46	b.	b.	12.0
	Scarborough ...	-	60	47	c.b.	c.b.	4.4		Bexhill-on-Sea ...	-	61	48	b.b.c.	b.b.c.	13.5
	Blackpool ...	0.01	56	50	o	o	0.8		Eastbourne ...	-	60	51			13.1
	Southport ...	-	57	50	b.c.o	o	0.1		Seaford ...	-	60	52	b.	b.	13.0
England, N.W.	Buxton ...	0.02	53	45	b.c.	b.c.b.c.	0.7	England, S.W.	Brighton ...	-	61	50	c.b.c.c.	b.c.b.	12.7
	Leamington Spa ...	-	62	49	e	o	5.0		Worthing ...	-	63	47	c.b.c.		12.0
	Douglas ...	0.04	56	47	c.g.	o.r.g.	3.5		Littlehampton ...	-	65	47			12.0
	Rhyl ...	0.05	57	50			0.3		Southsea ...	-	62	52	b.c.	b.c.	10.0
Wales.	Colwyn Bay ...	0.03	57	49	b.c.c.	b.c.p.r.	0.0	England, S.W.	Bournemouth ...	-	63	48	c.b.c.	b.c.c.	7.0
	Llandudno ...	0.13	58	49	c	c.	0.3		Exmouth ...	-	62	50	b.	b.c.o.	11.0
	Bettws-y-Coed ...	-	55	51	o.c.	c.o.	1.7		Weymouth ...	-	63	51	b.c.b.	b.c.	3.8
	Aberystwyth ...	-	61	49	c.b.c.c.	c.o.	3.4		Teignmouth ...	-	62	48	b.c.	b.c.	2.5
England, E.	Lowestoft ...	-	62	49	b.c.c.	c.g.	4.3	England, S.W.	Torquay ...	-	59	48			3.8
	Felixstowe ...	-	62	48	b.c.c.	c.	5.2		Paignton ...	0.01	62	47	o.b.c.	b.c.	7.0
	Walton-on-Naze ...	-	62	48	b.c.c.	c.	5.2		Ilfracombe ...	0.01	59	51	b.c.	b.c.c.	10.1
	Southend-on-Sea ...	-	64	49	b	b	9.0		Weston-super-Mare ...	-	59	49	b	b.b.c.c.	

## 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.																					
	%	%	F.°	F.°	F.°	In.				Hr.		In.	F.°	F.°	F.°									
Greenwich (Royal Obsy.) ...	49	71	67	50	44	-	b.c.	b.c.	c	9.0	Dublin to 4 p.m.	0.01	59	49	49	c.o.	b.c.	0.7						
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	8.0	Plymouth to 9 p.m.	-	57	49	44	b.c.	b.c.	0.1						
Westminster (St. James's Pk.)	63	87	64	51	47	-	b.c.	b.c.	b.c.	8.8	Darwen "	0.07	54	47	44	c.o.r.u.	c.u.b.	0.0						
Camden Sq. (Brit. Rainfall)	48	68	68	50	40	-	b.c.	b.c.	b.c.c.	9.3	Manchester "	0.14	57	48	44	b.c.o.	o	0.0						
Hampstead (Reservoir) ...	*	73	63	48	43	-	b.c.	b.c.	c	10.5	Birmingham "	-	60	48	44	c	o	0.0						
Kew. (See front page.)											Oxford to 8 p.m.	*	63	47	40	c.b.c.	b.c.c.	c.o.						
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																								
			Total.		Mean Rate.		Max. Rate.																	
S. Kensington (Roof of M.O.)	54	72	1782 Joules.		30 Milli-watts.		90 Milli-watts.		9.3	S. Kensington (Museum Grounds to 6 p.m.)	-	65	49	43	b.b.c.c.	c	c.o.							

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

12th & 13th June 1913.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 3.32 3.32	G.M.T. 11.52 11.53	G.M.T. 8.13 8.14
Greenwich ...	3.45 3.45	11.59 12.0	8.14 8.15
Wick ...	3.8 3.8	12.11 12.12	9.15 9.16
Valencia ...	4.23 4.23	12.40 12.41	8.58 8.59

During yesterday temperature rose to between 60° and 65° in many parts of this country. Small quantities of rain fell in most districts, and at Glasgow there was a thunderstorm with hail. At several western stations there was little or no bright sunshine, while southeastern England had large records, more than 13 hours in places. As far west as the 30th meridian ships experienced moderate to strong S.W. and S.S.W. winds, and dull weather.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; 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.

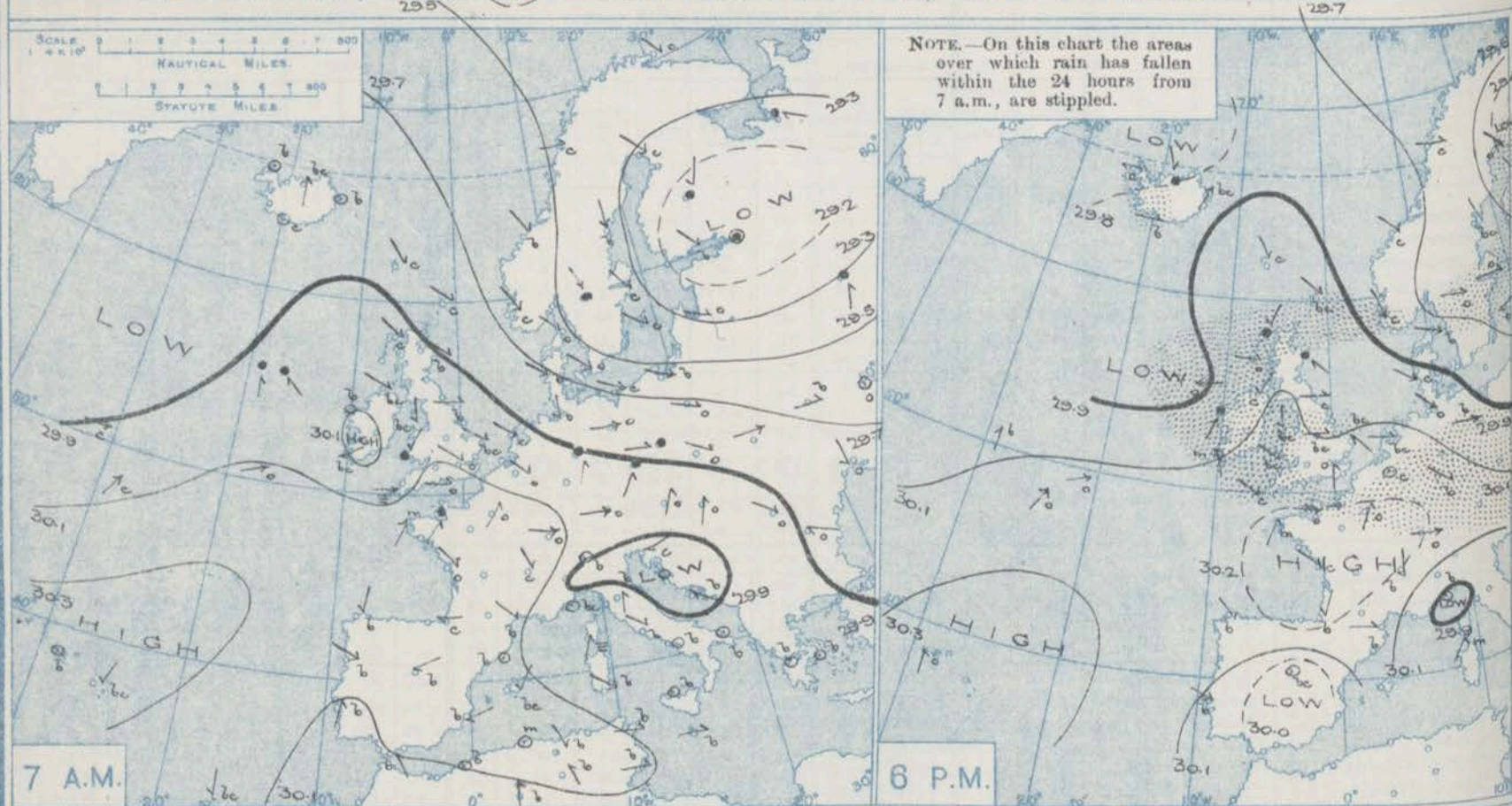
Friday,

13th June, 1913.

STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun- shine for Yester- day.
		BAROM.		TEMP.		WIND.	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.					
		At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Dir.	Force (0 to 12).			At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						Dir.	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night, 6 p.m. to 7 a.m.		
BRITISH ISLANDS.																								
Lerwick ...		In.	F.				In.	In.	F.							In.	F.	F.				Hours		
Stornoway ...		29.97	44	NW	4	bc	30.16	+04	45	+1	WNW	3	bc	3	0.02	47	38	bc	bc	bc	bc	3.0		
Castlebay (Barra Isd.)		30.04	49	NE	3	ep	30.16	+04	50	+1	E	2	b	2	0.10	54	37	cp	cp	b	4.2			
Glasgow ...		30.05	50	W	3	o	30.14	+04	49	0	ESE	2	b	2	0.02	52	41	bc, op.	o	o, b.	6.4			
Malin Head...		30.07	50	WNW	3	o	30.16	+05	48	+1	E	3	b	2	0.01	55	43	b	o	o, b, b.	8			
Blackod Point ...		30.05	50	NE	2	c	30.06	+06	48	-2	SSE	4	c	2	0.01	54	44	bc	cg	cm, g.	7.4			
Valencia ...		29.97	52	SW	4	r	30.04	+05	52	+1	W	2	o	2	0.19	57	50	cg	or	om, r.	7.4			
Roche's Point ...		30.09	54	SSE	4	m	30.14	+04	51	-4	WSW	3	om	5	0.01	59	51	bc, b.	cm	om, d.	7.4			
Birr Castle ...		30.15	55	SSW	3	c	30.13	+	54	+4	W	3	o	3	0.02	56	50	cg	cg, c.	o, d, o	8			
Donaghadee ...		30.04	56	SSW	3	o	30.07	+	52	+5	SW	2	m	2	0.12	61	47	c	c, o.	om, r.	7.6			
Liverpool Obsy. ...		30.10	51	SE	3	c	30.06	+04	48	0	ESE	4	c	4	0.09	56	45	bc	c	om, c.	8			
Holyhead ...		30.12	55	NW	1	b	30.12	+02	48	-1	ESE	2	o	2	0.04	56	47	b	b	bc, r.	13.3			
Pembroke (St. Ann's Hd.)		30.13	54	N	1	bc, v	30.08	+03	55	+5	SW	3	cm	2	0.10	56	50	bc, b.	bc, b.	bc, r.	12.7			
Newquay ...		30.12	54	NW	2	bc	30.11	+02	53	+2	WNW	4	cp	2	0.02	58	51	cp	bc	bc	?			
Scilly (St. Mary's) ...		30.14	53	W	2	of	30.18	+01	54	0	W	1	af	2	0.02	57	51	of, bc	of, o.	op, f.	0.5			
Jersey (St. Aubin) ...		30.17	53	WNW	4	c	30.17	+02	53	-1	WNW	3	fe	4	0.02	59	50	f	c	om, r.	1.6			
Portland Bill ...		30.20	56	W	4	og	30.25	+	52	-1	W	3	ce	3	0.12	57	52	om, d.	om, o	om, d.	0.0			
Dungeness ...		30.14	56	WNW	1	c	30.18	+03	55	+3	WSW	2	c	3	0.02	57	51	om, d.	om, b.	c, b, r.	8			
Dover ...		30.12	55	SW	2	o	30.13	+01	58	+4	WNW	3	c	2	0.01	61	53	o, c, o.	o	o, c.	8			
Wick ...		30.15	54	SW	4	o	30.15	+	55	0	SW	2	c	2	0.01	59	51	bc, c.	bc, c.	bc, c.	3.3			
Nairn ...		30.02	48	NW	4	o	30.20	+05	46	-3	—	0	bc	2	0.02	52	33	cg	cg, o.	bc.	8			
Aberdeen ...		30.00	52	WNW	2	c	30.18	+	48	-1	—	0	bc	1	0.04	56	41	ph, c.	bc, c.	bc, c.	5.2			
Leith ...		30.02	48	SE	1	r	30.20	+06	50	-2	NE	2	b	2	0.35	58	42	bc, p.	bc, p.	bc, p.	9.7			
North Shields ...		30.04	55	W	2	bc	30.16	+05	49	-1	WNW	1	o	2	0.01	60	42	b, bc	bc, c.	b	8			
Spurn Head ...		30.05	58	W	3	c	30.15	+03	50	+2	N	2	c	2	0.01	60	45	c	c	c	10.6			
Yarmouth ...		30.08	54	SE	2	o	30.13	+03	54	+2	N	2	c	3	0.08	61	47	bc	bc, o.	bc.	10.6			
Clacton-on-Sea ...		30.13	50	SE	3	bc	30.12	+05	53	+1	N	1	c	2	0.13	60	49	bc, b.	b, bc.	cp	13.6			
Nottingham ...		30.10	59	SSE	3	bc	30.12	+02	54	0	WSW	2	o	2	0.01	65	51	bc	bc	bc, o.	13.3			
Bath ...		30.09	60	W	3	bc	30.13	+	51	-2	SE	1	opm	2	0.01	65	49	c, b.	b, bc	bc, b.	10.7			
London (Kew Obsy.) ...		30.12	61	S	1	c	30.16	+	56	+2	W	1	o	2	0.01	62	50	+	+	+	1.2			
ICELAND, FAEROE, &c.		30.15	54	SW	4	o	30.15	+03	55	+1	W	2	o	2	0.01	64	52	ac	c, o	o, c, o	2.2			
SCANDINAVIA.																								
Spitzbergen ...		29.40	27	N	2	b	29.46	+02	29	-3	—	0	b	2	0.04	32	25	—	—	—	—			
Isafjord ...		29.79	45	E	3	c	29.69	-07	42	+3	E	6	r	2	0.04	32	25	—	—	—	—			
Reykjavik ...		29.88	50	W	3	b	29.67	00	45	0	SE	2	r	2	0.04	32	25	—	—	—	—			
Vestmanna ...		29.89	49	W	2	b	29.74	-06	42	0	S	8	r	1	0.04	32	25	—	—	—	—			
Seydisfjord ...		29.81	56	SW	4	bc	29.82	-01	47	+10	SSW	3	c	2	0.04	32	25	—	—	—	—			
Thorshavn ...		29.99	47	WNW	3	c	30.10	+02	47	+6	WSW	3	c	2	0.04	32	25	—	—	—	—			
Haparanda ...		29.39	41	WNW	6	o	29.51	+10	39	-11	WNW	8	o	2	0.04	52	36	—	—	—	—			
Hernösand ...		29.56	51	N	2	bc	29.73	+05	46	-3	WNW	2	b	2	0.04	55	41	—	—	—	—			
Stockholm ...		29.58	49	W	2	o	29.73	+05	50	+1	WNW	4	b	2	0.04	54	43	—	—	—	—			
Wisby ...		29.60	49	ESE	2	o	29.73	+04	54	+2	WSW	4	c	2	0.04	57	43	—	—	—	—			
Karlstad ...		29.62	51	N	2	o	29.83	+06	49	+10	NNE	6	b	2	0.04	55	39	—	—	—	—			
Færder (X'lania Fjord) ...		29.66	52	N	4	c	29.85	+07	51	+1	NNE	5	b	3	0.04	52	48	—	—	—	—			
Bodö ...		29.64	42	W	2	c	29.79	+04	42	+1	W	2	bc	2	0.04	43	36	—	—	—	—			
Christiansund ...		29.79	45	WNW	1	c	29.94	+07	41	-3	NW	3	c	3	0.04	45	41	—	—	—	—			
Skudesnaes ...		29.88	43	WNW	6	c	30.02	+02	46	-1	N	6	c	2	0.08	50	41	—	—	—	—			
The Scaw (Skagen) ...		29.71	51	WNW	6	b	29.84	+05	51	+2	NW	1	c	1	0.20	57	45	—	—	—	—			
Blaavands Huk ...		29.45	49	WNW	6	c	30.02	+03	50	-1	NW	5	bc	4	0.04	54	46	—	—	—	—			
GERMANY, &c.																								
Cuxhaven ...		30.00	51	NW	4	o	30.07	+01	51	+1	WNW	3	o	0	0.04	55	50	—	—	—	—			
The Helder ...		30.13	52	W	2	c	30.09	+01	54	+2	WNW	3	o	1	0.04	55	50	—	—	—	—			
Brussels ...		30.17	53	—	0	c	30.13	00	56	+3	SW	1	o	0	0.12	63	49	—	—	—	—			
Berlin ...		29.97	54	W	5	b	30.08	+04	50	-9	W	4	o	0	0.08	59	50	—	—	—	—			
Frankfurt ...		30.17	54	NW	1	b	30.17	-01	54	0	SW	1	m	0	0.04	61	48	—	—	—	—			
Munich ...		30.18	53	NW	2	o	30.21	+01	54	-6	W	3	o	0	0.04	60	50	—	—	—	—			
FRANCE.																								
C. Grs Nez ...		30.12	55	SSW	3	c	30.13	+02	55	+2	WSW	4	o	2	0.04	59	53	—	—	—	—			
La Hève ...		30.17	55	W	3	f	30.22	+	53	0	W	3	o	3	0.12	61	45	—	—	—	—			
Brest (St. Mathieu) ...		30.25	56	SW	3	m	30.30	+02	53	-1	NW	2	o	1	0.04	57	50	—	—	—	—			
Lorient (Rec Melen) ...		30.23	58	W	4	o	30.23	+	53	-2	N	2	o	2	0.04	59	50	—	—	—	—			
Rochefort (Ile d' Aix) ...		30.26	60	NW	3	c	30.27	+02	57	-2	WNW	2	o											



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 12<sup>TH</sup> JUNE.



## GENERAL INFERENCE

A general rise of the barometer is in progress, but a shallow depression over

## WEATHER PROSPECTS.

Ireland will occasion passing showers in most parts of the Kingdom.

## FORECASTS FOR THE 24 HOURS NOON FRIDAY

## TO NOON SATURDAY.

0 {  
a  
b

1

Calms and light variable

2 {  
a  
b

breezes; cloudy to fair or fine, local passing showers;

3

cool.

4 {  
a  
b

5

Light variable S.W. breezes; cloudy to dull, local passing showers, fair to fine intervals; cool to moderate temperature.

## 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

Same as Nos. 0 to 4.

7 {  
a  
b

8 {  
a  
b

light to moderate S.W. breezes; cloudy to dull, passing showers, fog on coast, fair to fine intervals; cool to moderate temperature.

9 {  
a  
b

Same as Nos. 0 to 4.

10 {  
a  
b

Same as No. 8.

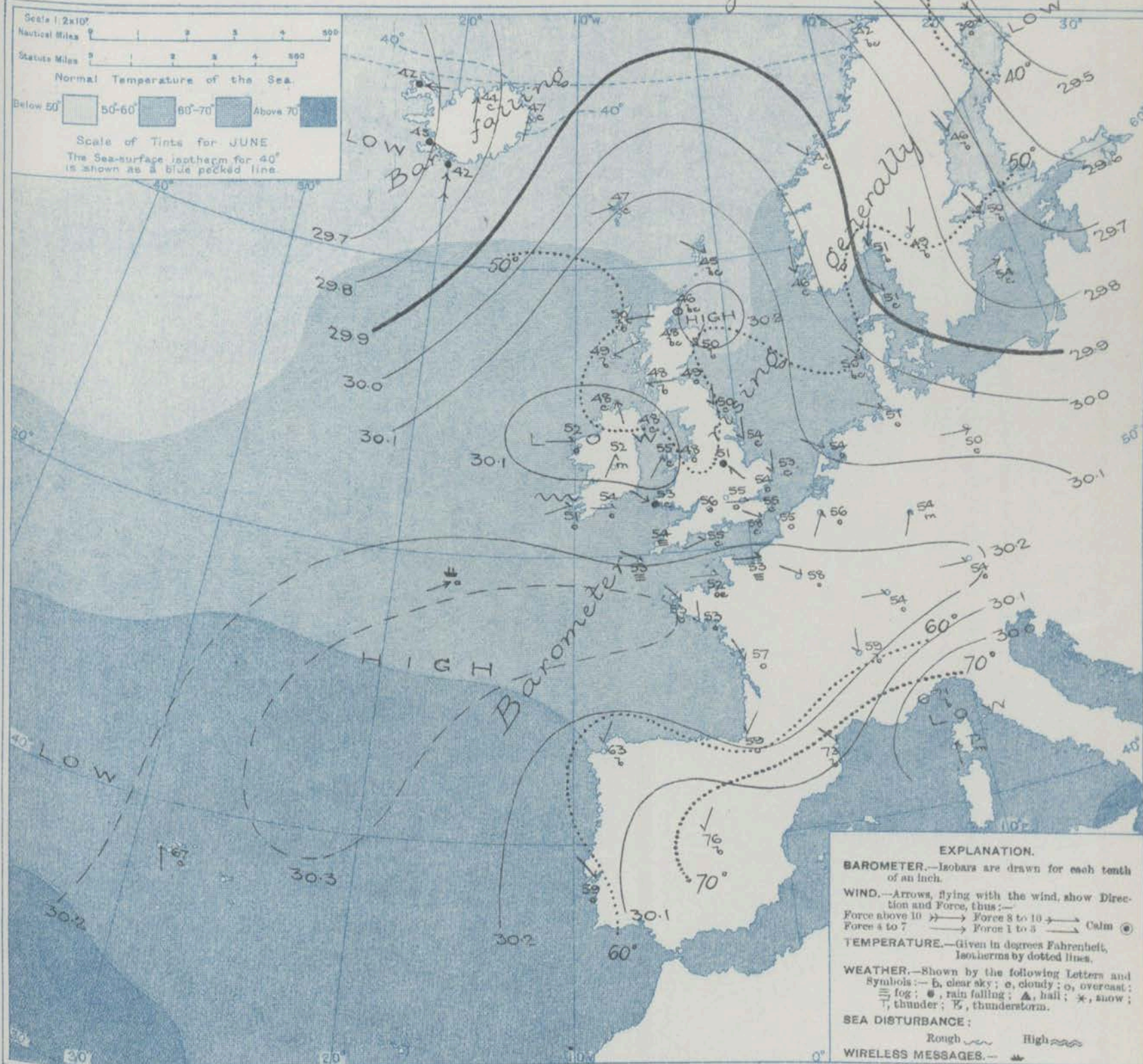
## 11 WESTERN CHANNEL AND BAY.

light to moderate S.W. breezes; sea moderate to smooth; dull, damp mist or fog, passing showers, fair intervals; cool.

## THE FURTHER OUTLOOK.



# SYNOPTIC CHART FOR 7 A.M. *Friday* 13<sup>th</sup> JUNE 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

A high pressure system, in which the barometer is at 30.3 in. on the upper part of the Bay, now covers the greater part of the region under observation, but within it there is a very shallow depression, below 30.1 in., over Ireland. On its northern outskirts there is a depression about the White Sea, barometer 29.7 in., and another to the westward of Iceland, barometer, 29.7 in. The gradient is slight generally.

Southerly winds, strong to a gale, are reported over Iceland, and northerly, strong to a

gale, in Scandinavia, but over the rest of our area light variable breezes prevail. At the home stations temperature ranges from 45° at Lerwick to 58° at Dungess; on the Continent from 39° at Haparanda, and 41° at Christiania to 73° at Perpignan, and 76° at Madrid; and in Iceland from 42° to 47°. At Spitzbergen the reading is 29°. Throughout our area the weather varies from fine and clear to overcast and dull. Rain is falling over western Iceland, local showers in southern England, and the atmosphere is foggy across the mouth of the Channel, and along the French coast. The sea is moderate to smooth on all coasts.



## DAILY WEATHER REPORT.

Friday, 12th, June, 1913.

## OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	Outward, O = Outward; H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	Outward, O = Outward; H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
13th 7 a.m.	48	16	Oceanic	H	30.29	+0.4	WSW	4-5	0										
12th 6 p.m.	50	28	Mount Royal	H	30.07	+0.1	S	1-3	6	12th 7 a.m.	46	28	Oceanic	H	30.11	+0.2	SW	6-7	c
	47	23	Oceanic	H	30.19	-0.2	SW	4-5	0		55	19	Magenta	O	29.94	-0.6	S	1-3	r
	49	21	Laconia	O	?	?	WSW	4-5	0		55	17	Victorian	H	29.99	-0.6	SE	1-3	r
	55	11	Victorian	H	29.88	-0.2	E	4-5	0		50	17	Bedric	H	30.11	-0.1	WSW	4-5	0
7 a.m.	50	31	Mount Royal	H	29.92	+0.3	W	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.			
	In.	F.°	F.°			He.		In.	F.°	F.°			He.		
Scotland.	{ Oban ... ..	0.12	53	45	bc	bc cp	4.1	England, S.E.	{ Margate ... ..	65	50	b	b	10.2	
	{ Stonehaven ... ..	0.02	63	30	bc	cp	7.6		{ Ramsgate ... ..	61	48	*	*	9.5	
	{ St. Andrews ... ..	-	62	40	b	b	8.7		{ Folkestone ... ..	59	48	o.b.c.	c.o	2.6	
	{ Carnoustie ... ..	-	62	41	*	*	7.5		{ Littlestone ... ..	*	*	*	*	0.8	
Eng. N.E.	{ Harrogate ... ..	-	62	41	b	b bc.c.	12.1		{ Hastings ... ..	60	50	*	o.b.c.	1.0	
	{ Scarborough ... ..	-	58	45	c.b.	c.b.	8.8		{ Bexhill-on-Sea ... ..	60	51	c	c	2.3	
England, N.W.	{ Blackpool ... ..	0.05	56	48	c bc.	bc	12.7		{ Eastbourne ... ..	60	52	o.b.c.	bc.o	2.7	
	{ Southport ... ..	0.03	56	49	bc.b.	c.b.	12.8		{ Seaford ... ..	60	52	c	c	2.3	
	{ Buxton ... ..	0.18	58	43	bc	bc	12.0		{ Brighton ... ..	60	52	o.c.o	o.c.o	2.8	
	{ Leamington Spa ... ..	-	65	49	c	bc	10.9		{ Worthing ... ..	62	51	c	c	3.0	
	{ Douglas ... ..	-	*	*	*	*	11.0		{ Littlehampton ... ..	?	51	*	*	0.0	
	{ Rhyl ... ..	0.15	57	49	o.b.c.	bc.	5.9		{ Southsea ... ..	63	52	o.c.b.	c.b.c.o	1.0	
Wales.	{ Colwyn Bay ... ..	0.09	57	46	b	b	12.5	{ Bournemouth ... ..	61	51	o.c.	c.o	1.1		
	{ Llandudno ... ..	0.09	58	47	b	b	12.6	{ Exmouth ... ..	0.04	60	51	fod	o.c.	0.0	
	{ Bettws-y-Coed ... ..	-	59	43	b	b	10.4	{ Weymouth... ..	0.01	59	51	od.o.	og	0.6	
	{ Aberystwyth ... ..	-	56	50	c.b.	b bc.	12.0	{ Teignmouth ... ..	0.03	58	51	od	cp.c.	0.0	
England, E.	{ Lowestoft ... ..	0.02	59	48	bc.b.bc	bc.b.	12.5	England, S.W.	{ Torquay ... ..	0.10	63	51			0.0
	{ Felixstowe ... ..	-	65	50	bc	bc.b.	12.2		{ Paignton ... ..	0.04	63	50	od.o.	od.bc.	5.0
	{ Walton-on-Naze ... ..	-	63	47	bc	b	12.4		{ Ilfracombe ... ..	0.11	60	50	o	c.b.c.	4.0
	{ Southend-on-Sea ... ..	-	69	50	b	b	11.0		{ Weston-super-Mare ... ..	-	65	50	o.c.	b.b.c.c.	

## 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.) ...	%	%	F.°	F.°	F.°	In.				Hr.	Dublin to 4 p.m.	In.	F.°	F.°	F.°	p.b.	bc	bc		
City (Bunhill Row) ...	58	71	67	49	37	-	c.o	c.o	c.o	3.9	Plymouth to 9 p.m.	0.03	60	43	41	bc	o	od.o	0.7	
Westminster (St. James's Pk.)	*	*	*	*	*	*	*	*	*	4.3	Darwen "	0.16	63	51	49	bc	o	bc	10.6	
Camden Sq. (Brit. Rainfall)	72	86	63	52	48	-	bc	bc	bc	2.8	Manchester "	0.06	59	43	43	ot.bc.	bc	bc	12.3	
Hampstead (Reservoir) ...	53	71	69	52	47	-	c.bc	bc	b.c	6.0	Birmingham "	0.05	59	47	*	ot.c	c.bc	b.bc	10.7	
Kew. (See front page.)	*	75	66	50	47	-	bc	bc	o	6.7	Oxford to 8 p.m.	*	63	47	45	*	c	c.o	*	
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																				
			Total.		Mean Rate.		Max. Rate.													
S. Kensington (Roof of M.O.)	60	79	1527 Joules.		22.4 Milliwatts.		8.5 Milliwatts.		2.9	S. Kensington (Museum Grounds to 6 p.m.)	-	64	51	48	c.o	o	o	*		

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

12th & 13th, June, 1913.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 3.32 3.31	G.M.T. 11.53 11.53	G.M.T. 8.44 8.44
Greenwich ...	3.45 3.44	12.0 12.0	8.45 8.46
Wick ...	3.8 3.7	12.12 12.12	9.16 9.17
Valencia ...	4.23 4.22	12.41 12.41	8.59 8.59

## NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature did not exceed 47° in Scotland, and at the majority of stations the maxima were below 60°. Showers fell in many localities. Several south coast stations had less than an hour of bright sunshine, whereas Liverpool, Clacton and Yarmouth had about 1 1/2 hours. As far west as the 34th meridian ships experienced light to strong S.W. to S.E. winds, and fine to dull weather, rain locally.

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.



WIAAPP

Saturday  
14th June 1913.

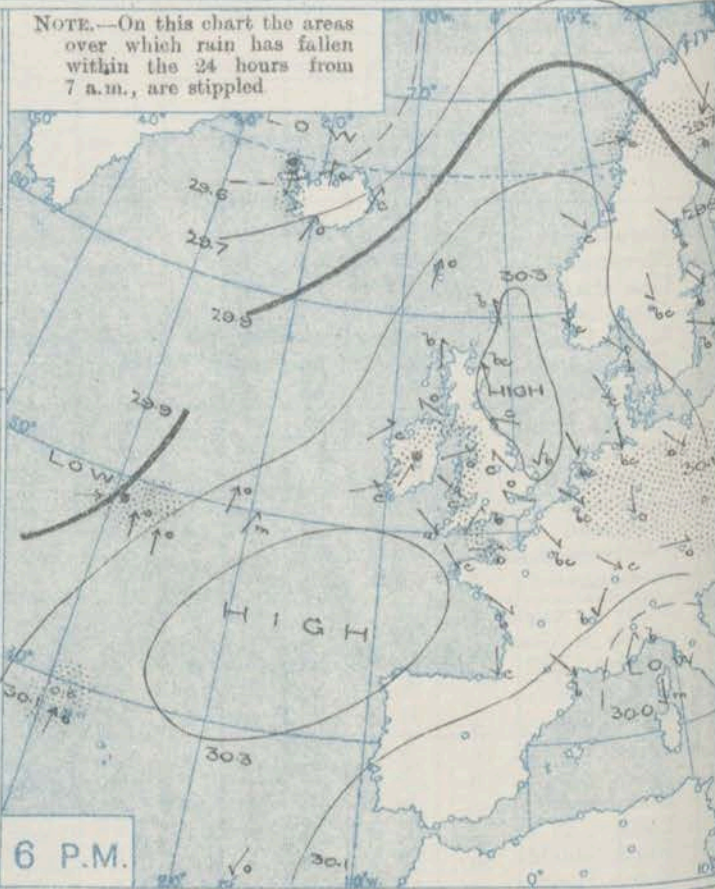
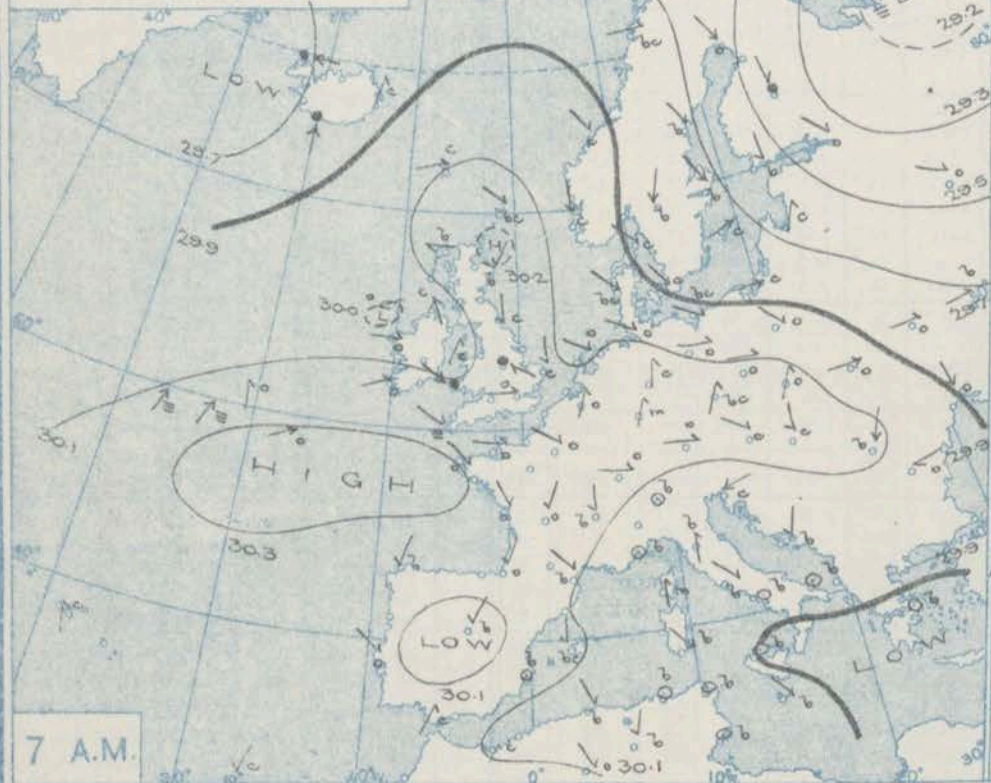
† Received too late for insertion in Charts.



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 13<sup>th</sup> JUNE.



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.

An anticyclone of increasing intensity will maintain a quiet type of

weather over this country for the present.

## FORECASTS FOR THE 24 HOURS NOON SATURDAY TO NOON SUNDAY.

0 { <sup>a</sup> Fresh to moderate S. and S.W. breezes; cloudy to fine; some increase of temperature.

1 { <sup>a</sup> Calms and light Variable

2 { <sup>a</sup> S. to E. breezes; cloudy to

3 { <sup>a</sup> fine; temperature rising.

4 { <sup>a</sup>

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 { <sup>a</sup> Light S. breezes; cloudy to

7 { <sup>a</sup> fine; temperature rising.

8 { <sup>a</sup> Same as Nos. 1 to 5

9 { <sup>a</sup> Calms and light Variable air;

10 { <sup>a</sup> cloudy to fine; temperature rising.

11 WESTERN CHANNEL AND BAY.

Calms and light variable breezes; smooth sea; cloudy to fine, local mist; rather warmer.

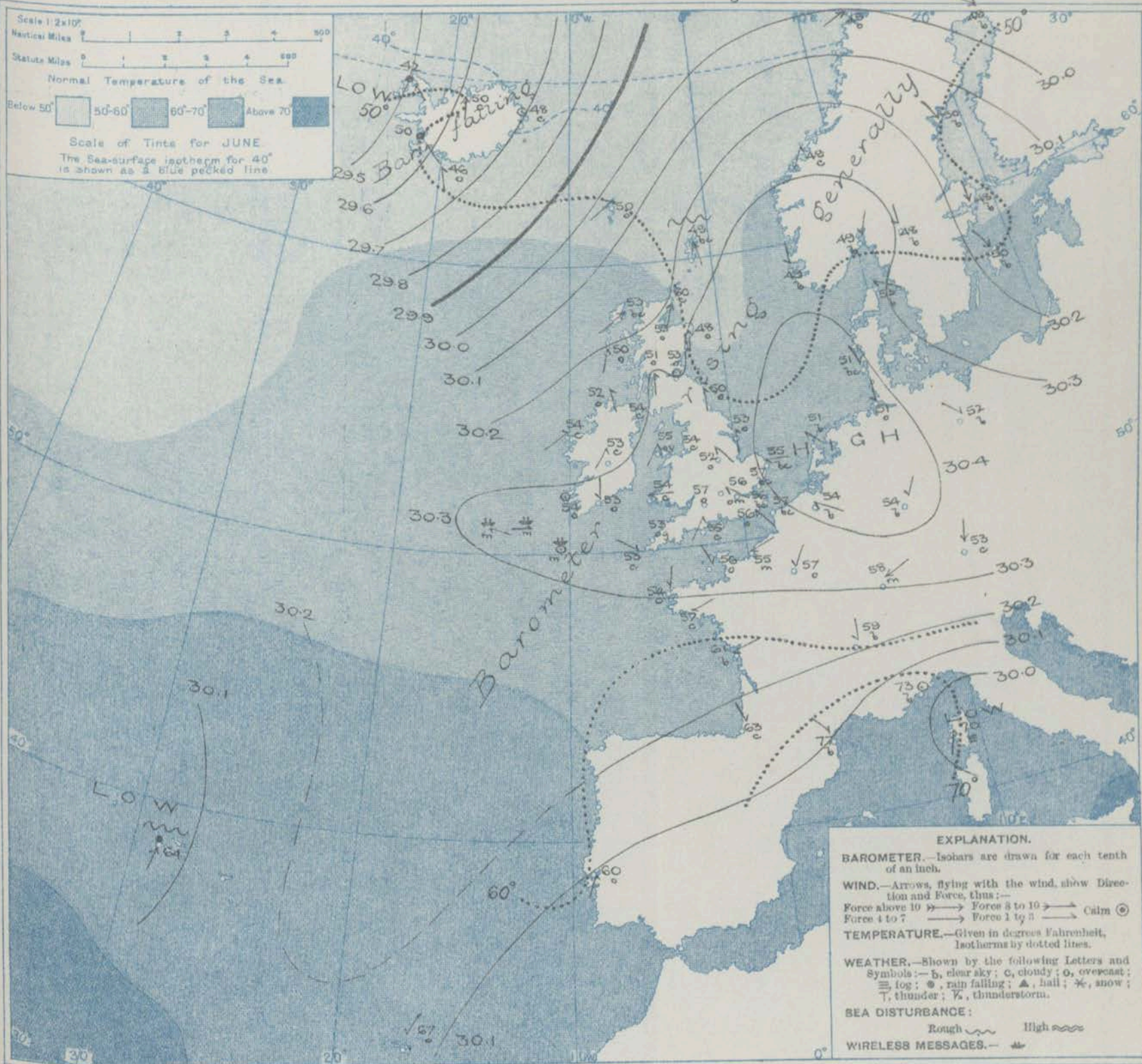
## THE FURTHER OUTLOOK. (All Districts).

a general improvement in the conditions.



SYNOPTIC CHART FOR 7 A.M. Saturday, 14<sup>th</sup>

JUNE 1913.



### NOTES ON THE GENERAL SITUATION AT 7 A.M.

An area of high pressure now embraces the greater part of the region under observation, its central space, with the barometer at nearly 30½ in., extending from the North Sea down to Baden. In a depression between Iceland and Greenland pressure is at 29½ in. The gradient is slight in most regions.

Balms and light variable breezes prevail extensively, but there is a moderate to strong Northerly current over Sweden, and Southerly over Iceland. Temperature has risen at nearly all stations. Over

the British Isles the values range from 48° at Aberdeen to 57° at Blackpool-on-Sea; on the continent from 45° at Dordrecht, and 48° at Stockholm and Karlstad to 73° at Nice, and 77° at Perpignan; and in Iceland from 42° to 50°. At Spitzbergen the reading is 32°. Rain is falling in western Iceland. Over the rest of our area the weather is cloudy to fine. The sea is rather rough off Shetland, slight to very smooth in nearly all other localities.



# DAILY WEATHER REPORT.

Saturday, 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 7am	50	12	Ascania	O	30.27	-0.3	W	1-3	m										
" "	50	13	Caronia	H	30.31	+0.2	ESE	1-3	m										
" "	50	10	Lake Michigan	O	30.30	+0.2	-	0	m	13th 1pm	49	13	Oceanic	H	30.30	+0.2	W	1-3	c
13th 6pm	48	29	Laconia	O	29.88	+0.2	WSW	4-5	r	" 7am	50	25	Mount Royal	H	30.06	+0.1	S	1-3	f
" "	47	27	Kroonland	H	30.02	+0.2	S	4-5	o	" "	49	25	?	H	30.06	-0.4	SW	4-5	f
" "	47	25	Minnetonka	H	30.12	+0.3	S	6-7	o	" "	49	22	?	H	30.21	+0.2	SW	4-5	f
" "	50	21	Mount Royal	H	30.14	+0.6	SSW	4-5	o	" "	55	11	Lake Manitoba	H	29.99	+0.8	ENE	4-5	o
" "	49	19	Caronia	H	30.26	+0.1	SW	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	0.03	60	41	bc	bc	7.6	England, S.E.	Margate	-	62	49	bc	bc	0.7
	Stonehaven	0.19	63	43	bc	bc	13.1		Ramsgate	-	63	50	*	*	1.1
	St. Andrews	-	62	40	b	b	8.1		Folkestone	-	61	49	b, bc, o.	o	0.3
	Carnoustie	-	54	43	*	*	8.7		Littlestone	-	*	*	*	*	0.3
England, N.E.	Harrogate	0.01	59	45	o, c.	c, o.	0.4	England, S.E.	Hastings	-	62	53	o	bc, o.	0.7
	Scarborough	-	58	48	c, b.	c, b.	9.0		Bexhill-on-Sea	-	62	54	o, c, o.	c, o, w.	5.6
	Blackpool	-	59	48	o	o	0.0		Eastbourne	-	62	53	*	*	5.0
	Southport	-	61	48	o	o, c.	0.0		Seaford	-	62	53	c	c	1.3
England, N.W.	Buxton	0.01	58	43	c	c	0.1	England, S.E.	Brighton	-	60	54	o	o, c, o.	2.0
	Leamington Spa	-	61	52	og	og	1.5		Worthing	-	61	54	o	o	0.7
	Douglas	0.26	58	45	o, d.	b, o	3.7		Littlehampton	-	?	50	*	*	2.8
	Malverna	0.08	61	47	c, r	c, o	1.5		Southsea	-	64	52	o, c, b.	bc.	3.0
Wales.	Rhyl	0.12	59	46	bc	bc	5.0	England, S.W.	Bournemouth	-	65	49	o, c.	c, bc.	4.1
	Colwyn Bay	0.22	60	47	o	c, o	0.4		Exmouth	-	64	56	c, o	cc	4.0
	Llandudno	-	61	47	c, bc	bc.	1.3		Weymouth	-	65	51	o.	bc, b.	4.0
	Bettws-y-Coed	-	58	50	o, c, o.	o, c, b.	1.7		Teignmouth	-	67	49	bc	bc	2.0
England, E.	Aberystwyth	-	57	49	o, bc, b.	b, bc.	8.5	England, S.W.	Torquay	-	64	51	bc	bc, b.	0.0
	Lowestoft	0.04	60	51	c	c	1.1		Paignton	-	65	48	bc	bc, b.	0.0
	Felixstowe	-	58	51	cm	c	1.1		Ilfracombe	0.04	57	52	o	o	6.0
	Walton-on-Naze	-	63	50	o	o	0.8		Weston-super-Mare	-	62	52	c, bc.	b	0.0

## 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.
			In Screen.	Min. on Grass.		Fore- noon.	After- noon.					In Screen.	Night Min. on Grass.	Night.	Fore- noon.	
Greenwich (Royal Obs.)	73	67	64	52	50	o	o	0.1	Dublin to 4 p.m.	0.1	61	53	50	p, c	p, o	0.1
City (Bunhill Row)	*	*	*	*	*	*	*	0.3	Plymouth to 9 p.m.	0.3	61	52	50	ov	o, bc	0.1
Westminster (St. James's Pk.)	86	87	63	54	52	o	o	0.5	Darwen	0.5	59	46	46	bc, o, g	o, g, bc	0.1
Camden Sq. (Brit. Rainfall)	71	68	67	53	52	c, o	o	0.3	Manchester	0.3	*	*	*	*	*	0.0
Hampstead (Reservoir)	*	71	61	51	49	c, o	o	0.6	Birmingham	0.6	60	49	42	o	o	0.0
Kew. (See front page.)									Oxford to 8 p.m.		61	50	46	cm, o	ad, o	0.0
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																
Total.			Mean Rate.		Max. Rate.				S. Kensington (Museum Grounds to 6 p.m.)							
7.66 Joules.			12.9 Milliwatts.		56 Milliwatts.				-							

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.

14th & 15th July, 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 3.31 3.31	G.M.T. 11.53 11.53	G.M.T. 8.14 8.15
Greenwich	3.44 3.44	12.0 12.0	8.16 8.16
Wick	3.7 3.7	12.12 12.12	9.17 9.17
Valencia	4.22 4.22	12.41 12.41	8.59 9.0

During yesterday temperature exceeded 60° in most places, but at Wick the maximum was only 50°. Slight rain fell in a few localities. Many stations had no bright sunshine or less than an hour, but in the east and northeast the rewards were large, up to 15½ hours at Aberdeen. Reports show that near the Irish coast ships experienced calms and light to moderate E. breezes; further west, to the 30th meridian, light to strong S.W. winds, dull weather, some 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.



Sunday  
15th June 1913.

1913

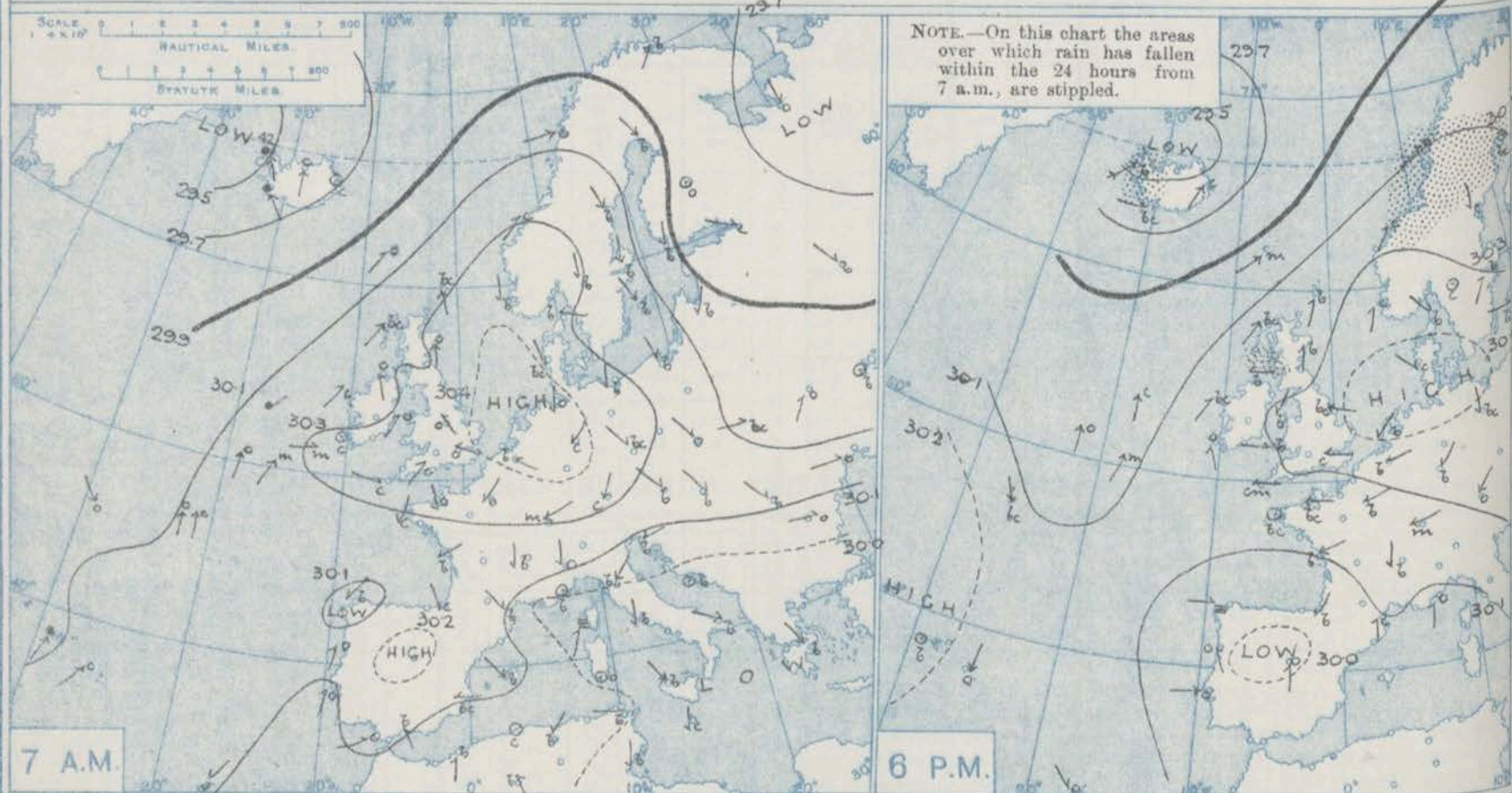
STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun- shine for Yester- day.	
		BAROM.		TEMP.		WIND.	Force (0 to 12).	Weather.	BAROMETR.		TEMP.		WIND.		Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.				
		At 32° Fahr. and M.S.L. Lat. 46°.	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 Yesterday.	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 ... ..	30.20	54	SSW	3	bc	30.28	+0.2	53	+1	S	2	b	2	1	56	48	cm	bc	bc	bc	bc	3.7		
	Castlebay (Barra Isd.)	30.20	56	SW	6	bc	30.22	+0.1	55	+2	S	1	c	1	57	51	bc	bc	bc	bc	bc	0.1			
	Glasgow ... ..	30.24	51	SW	3	cm	30.21	-0.1	53	+3	ESE	2	o	2	Trace	53	48	odm	d. om	cmf	cmf	8.0			
	Malin Head ... ..	30.28	63	WSW	1	b	30.27	0.0	55	+4	-	0	b	1	0.03	65	47	op. bc	bc	b	b	8.0			
	Blacksod Point ...	30.26	58	E	1	b	30.18	0.0	58	+6	S	2	bc	1	1	64	52	bc	bc	bc	bc	8.0			
	Valencia ... ..	30.25	60	SW	2	bc	30.16	-0.2	57	+3	SW	3	c	2	Trace	61	53	bc	bc	c	c	8.0			
		30.25	57	SSE	2	o	30.13	-0.3	56	+2	ESE	2	c	3	-	61	50	bc	bc	o	o	8.0			
	Roches Point ...	30.28	57	-	0	b	30.18	0.0	54	+1	SE	1	o	1	-	61	50	c	c. bc	b	b	8.0			
	Birr Castle ... ..	30.28	64	S	1	o	30.19	0.0	52	-1	SSE	1	o	1	-	65	46	c. o	o	c. o	c. o	0.4			
SCANDINAVIA.	Donaghadee ... ..	30.28	59	SSE	2	b	30.25	-0.1	52	-2	S	2	b	1	-	63	48	bc	b	bc	bc	7.4			
	Liverpool Obsy. ...	30.31	58	NNW	1	c	30.28	-0.1	57	+3	ESE	3	b	1	-	64	51	bc	c	bc	bc	11.5			
	Holyhead ... ..	30.32	58	NE	1	b	30.23	-0.1	57	+2	E	1	bc	0	-	64	51	c. bc	bc	bc	bc	8.1			
	Pembroke (St. Ann's Hd.)	30.27	57	W	1	b	30.21	-0.2	56	+2	E	1	bc	1	-	62	53	c	b	bc	bc	8.1			
	Newquay ... ..	30.25	55	E	2	bc	30.18	-0.1	62	+9	E	1	b	2	-	62	50	c. b	b. bc	bc	bc	4.9			
	Scilly (St. Mary's) ...	30.23	56	E	1	cm	30.13	-0.1	57	+4	ESE	1	bc	3	-	60	51	bc	cm	cm	cm	2.6			
	Jersey (St. Aubin) ...	30.26	67	E	4	bc	30.17	0.0	63	+7	E	3	bc	3	-	69	56	c. c	c	bc	bc	8.0			
	Portland Bill ... ..	30.30	57	ESE	2	bc	30.23	0.0	58	+3	ESE	3	c	2	-	61	53	bc	bc	bc	bc	8.0			
	Dungeness ... ..	30.30	58	ENE	5	b	30.26	0.0	58	+2	E	2	b	2	-	63	53	c. bc	bc	b	b	8.0			
	Dover ... ..	30.30	57	ENE	4	b	30.28	0.0	63	+7	E	1	b	3	-	64	51	bc	b	b	b	12.7			
GERMANY, &c.	Wick ... ..	30.21	54	ENE	2	bc	30.23	0.0	53	+3	SSW	3	b	2	-	60	47	c. bc	bc	bc	bc	8.0			
	Nairn ... ..	30.20	68	SW	2	b	30.23	0.0	59	+4	-	0	b	0	-	69	45	bc	b	bc	bc	8.0			
	Aberdeen ... ..	30.23	61	S	2	b	30.26	0.0	62	+14	SE	1	b	2	-	63	47	bc	bc	b	b	8.0			
	Leith ... ..	30.25	66	WNW	1	bc	30.26	0.0	57	+4	-	0	b	1	-	68	47	bc	bc	bc	bc	8.0			
	North Shields ...	30.30	55	NNE	2	o	30.30	0.0	55	+5	S	2	c	2	-	64	48	c	c	o	o	8.0			
	Spurn Head ... ..	30.33	56	ESE	5	bc	30.33	0.0	57	+4	SSE	4	bc	4	-	60	49	bc	bc	bc	bc	8.0			
	Yarmouth ... ..	30.40	55	ESE	3	bc	30.35	0.0	58	+3	E	2	b	2	-	59	52	bc	bc	b	b	13.9			
	Clacton-on-Sea ...	30.35	58	E	4	b	30.29	0.0	59	+2	E	3	b	2	-	61	55	bc	bc	b	b	12.7			
	Nottingham ... ..	30.32	66	SE	2	c	30.31	0.0	55	+3	E	2	b	1	-	71	45	c. bc	bc	c	c	5.2			
	Bath ... ..	30.31	61	SE	1	o	30.24	0.0	58	+1	E	1	o	1	-	64	49	-	-	-	-	0.3			
FRANCE.	London (Kew Obsy.)...	30.32	63	E	3	c	30.28	0.0	59	+3	ENE	2	b	1	-	70	54	cm	c. o	c. bc	c. bc	2.0			
	Spitzbergen ... ..	29.65	31	W	4	o	29.78	+0.04	34	+2	-	0	o	1	-	34	31	-	-	-	-	-			
	Isafjord ... ..	29.42	56	SW	8	bc	29.53	+0.1	43	+1	SW	2	r	1	-	-	-	-	-	-	-	-			
	Reykjavik ... ..	29.58	54	SE	6	c	29.66	+0.08	46	-4	S	6	t	1	-	-	-	-	-	-	-	-			
	Vestmanna ... ..	29.65	48	W	2	bc	29.73	+0.02	45	-1	SW	3	bc	1	-	-	-	-	-	-	-	-			
	Seydisfjord ... ..	29.54	60	SW	4	c	29.66	0.0	49	+1	-	0	c	1	-	-	-	-	-	-	-	-			
	Thorshavn ... ..	29.94	51	WSW	5	m	30.03	+0.01	50	0	SSW	4	m	1	-	-	-	-	-	-	-	-			
	Haparanda ... ..	30.09	47	-	0	bc	30.21	+0.02	?	?	SW	2	b	1	-	52	39	-	-	-	-	-			
	Hernösand ... ..	30.25	55	NNW	2	c	30.32	+0.01	55	+5	-	0	b	1	-	61	45	-	-	-	-	-			
	Stockholm ... ..	30.29	52	SSW	2	b	30.34	+0.01	57	+9	W	2	o	1	-	59	45	-	-	-	-	-			
SPAIN, PORTUGAL, &c.	Wisby ... ..	30.23	51	W	2	b	30.42	+0.04	56	+6	WNW	2	b	1	-	61	48	-	-	-	-	-			
	Karlstad ... ..	30.32	53	-	0	c	30.38	0.0	55	+7	S	2	b	1	-	59	43	-	-	-	-	-			
	Færder (Narvik Fjord)	30.34	54	SW	2	bc	30.36	0.0	58	+9	-	0	c	2	-	57	49	-	-	-	-	-			
	Bodö ... ..	30.10	45	SW	4	r	30.11	+0.01	44	+1	E	2	bc	2	0.51	48	43	-	-	-	-	-			
	Christiansund ...	30.25	53	SSW	1	c	30.25	+0.01	54	+5	-	0	o	3	0.06	54	48	-	-	-	-	-			
	Skudesnaes ... ..	30.38	50	SSW	2	c	30.42	+0.01	51	+2	S	4	o	2	-	54	48	-	-	-	-	-			
	The Scaw (Shagen)...	30.38	51	NW	2	b	30.41	+0.02	53	0	WSW	2	b	0	-	61	46	-	-	-	-	-			
	Blaavands Huk ...	30.45	49	NW	1	c	30.48	+0.01	56	+5	S	1	bc	1	-	55	39	-	-	-	-	-			
	Cuxhaven ... ..	30.43	52	N	2	b	30.44	+0.01	50	-1	E	2	b	0	-	55	46	-	-	-	-	-			
	The Helder ... ..	30.42	55	NE	3	b	30.38	-0.01	57	+6	E	3	b	1	-	55	51	-	-	-	-	-			

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. 14<sup>TH</sup> JUNE



GENERAL INFERENCE

WEATHER PROSPECTS.

FORECASTS FOR THE 24 HOURS NOON Sunday TO NOON Monday.

0 {  
a  
b

1

2 {  
a  
b

3

4 {  
a  
b

5

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

No Warnings Issued.

6 {  
a  
b

7 {  
a  
b

8 {  
a  
b

9 {  
a  
b

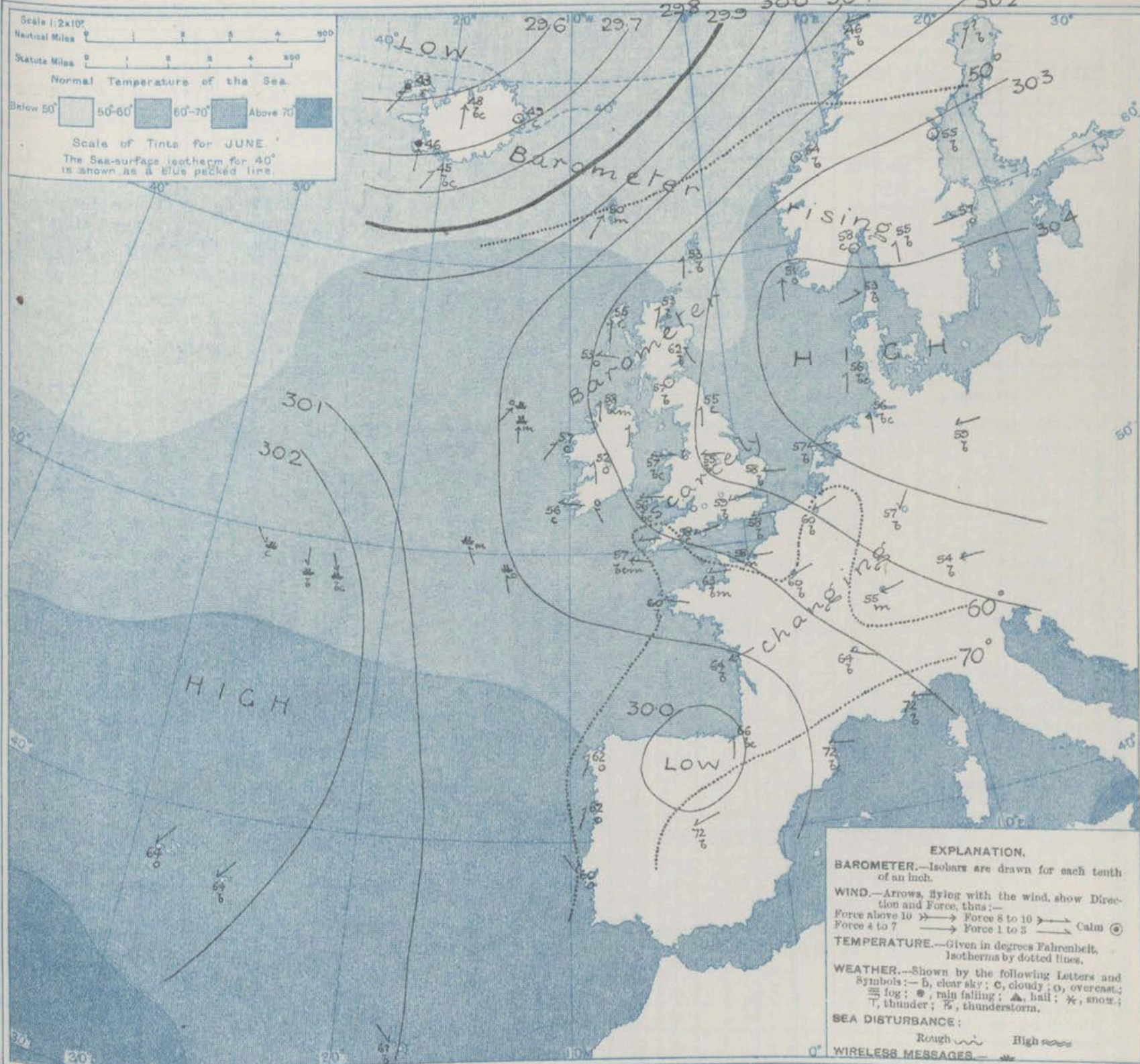
10 {  
a  
b

11 WESTERN CHANNEL AND BAY.

THE FURTHER OUTLOOK.



# SYNOPTIC CHART FOR 7 A.M. SUNDAY, 15<sup>TH</sup> JUNE 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

High atmospheric pressure now rules over nearly the whole of our area, the barometer being at about 30.2 in. beyond the North Sea, and 30.4 in. at the Azores. Off the north-west of Ireland the barometer is at 29.2; in a small depression near Biarritz it is at 30 in. The gradient is slight generally.

Balms and light variable anticyclonic breezes prevail in all regions. At the home stations temperature ranges from 52° at Birn Castle to 63° at Dover and Jersey;

on the Continent from 46° at Bordeaux to 72° at Nice, Perpignan and Madrid; and in Iceland from 43° to 49°. At Spitzbergen the reading is 34°. Rain is falling in western Iceland, fine weather prevailing in all other regions. The sea is slight or smooth on nearly all coasts.



## DAILY WEATHER REPORT.

Sunday, 15th June 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.	
6 p.m. 14th	47	26	Marquette	H	30.17	+0.04	NNW	4-5	bc	14th, 6 p.m.	49	14	Mesaba	O	30.24	-12	W	1-3	bc
"	50	21	Bellevue	O	29.94	-0.04	S	6-7	o	"	50	12	Lake Michigan	O	30.22	-0.03	SE	1-3	o
"	48	18	Kroonland	H	30.08	+0.02	SSE	4-5	bc.	"	46	29	Marquette	H	29.98	?	NW	4-5	o
"	53	17	California	H	29.97	+0.01	S	6-7	c	"	47	20	Winnemac	H	30.14	+0.03	S	4-5	o
"	48	16	Winnemac	H	30.15	-0.02	SSE	4-5	m	"	47	22	Kroonland	H	30.03	+0.03	S	4-5	o
"	50	16	Ascania	O	30.04	-0.13	SSW	4-5	m	"	50	18	Mount Royal	H	30.18	+0.01	SSW	4-5	o
"	50	14	Mount Royal	H	30.17	0.00	SSE	4-5	c	"	50	17	Bellevue	O	30.26	-12	SW	4-5	m

## 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 ...		...	...	...	...	...	...	{ 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 ...		...	...	...	...	...	...	{ Weymouth ...		...	...	...	...	...	...
{ Bettws-y-Coed ...		...	...	...	...	...	...	{ Teignmouth ...		...	...	...	...	...	...
{ Aberystwyth ...		...	...	...	...	...	...	{ Torquay ...		...	...	...	...	...	...
{ Lowestoft ...		...	...	...	...	...	...	{ Paignton ...		...	...	...	...	...	...
{ Felixstowe ...		...	...	...	...	...	...	{ Ilfracombe ...		...	...	...	...	...	...
{ Walton-on-Naze ...		...	...	...	...	...	...	{ Weston-super-Mare ...		...	...	...	...	...	...
{ Southend-on-Sea ...		...	...	...	...	...	...			...	...	...	...	...	...

## 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.) ...	%	%	F.	F.	F.	In.	bc	bc	bc	Hr.	Dublin to 4 p.m.	In.	F.	F.	F.	bc	bc	b	bc		
City (Bunhill Row) ...	54	58	71	49	38	-	bc	bc	bc	5.9	Plymouth to 9 p.m.	-	67	52	49	o.c.	bc	bc	bc		
Westminster (St. James's Pk.)	"	"	"	"	"	"	"	"	"	3.4	Darwen	-	60	50	45	o.c.	ov	o.c.	bc		
Camden Sq. (Brit. Rainfall)	70	78	68	54	48	-	bc	bc	o.c.	3.4	Manchester	-	66	49	48	bc.	o.c.	bc	bc		
Hampstead (Reservoir) ...	52	57	75	52	48	-	o.c.	bc	bc.	3.4	Birmingham	trace	68	52	"	bc.	c	bc	bc		
Kew. (See front page.)	"	61	67	51	45	-	bc	bc	bc.	2.6	Oxford to 8 p.m.	-	66	52	48	o.c.	c	c	c		
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																					
			Total.		Mean Rate.		Max. Rate.														
S. Kensington (Roof of M.O.)	57	56	1461 Joules.		246 Milliwatts.		77 Milliwatts.		2.2		S. Kensington (Museum Grounds to 6 p.m.)	-	68	54	53	o.c.	o.c.	o.c.	o.c.	o.c.	

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

15th & 16th June 1913.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 3.31	G.M.T. 11.58	G.M.T. 8.15
Greenwich ...	3.31	11.58	8.15
Wick ...	3.44	12.00	8.16
Valencia ...	3.44	12.00	8.16
	3.7	12.12	9.17
	3.7	12.12	9.18
	4.22	12.41	9.0
	4.22	12.41	9.0

During yesterday's temperature was rather below the normal over the British Isles, but it was higher than of late, mounting to 70° at Kew Observatory and 71° at Nottingham. The sky varied from cloudless in Eastern England to very cloudy in some other districts, the bright sunshine ranging from 14 hours at Yarmouth to less than an hour locally in the west. As far west as the 20th meridian ships experienced light to moderate breezes from varied directions with cloudy to fine weather, 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, 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 wrapping.



12.23.

1913.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Monday  
16th June 1913.

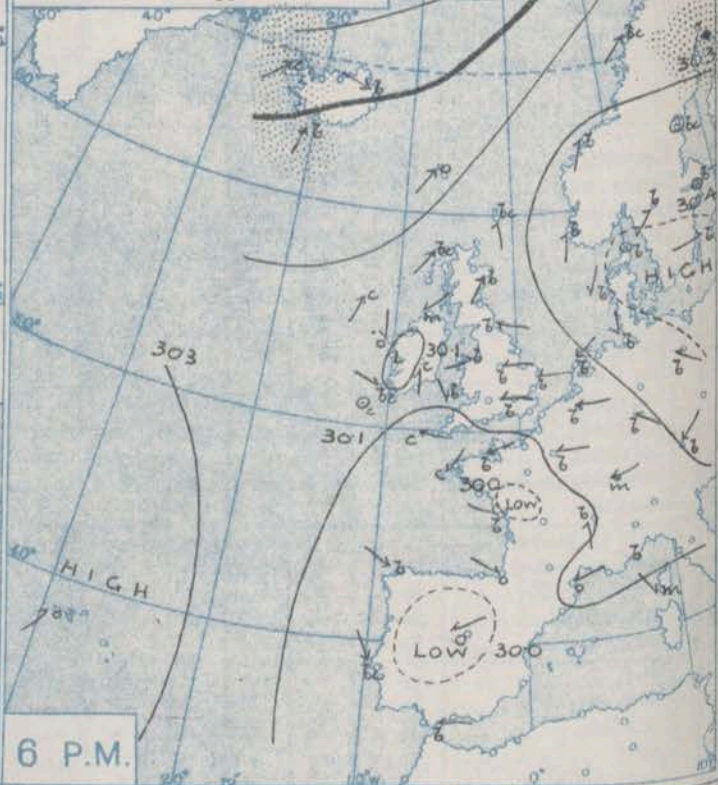
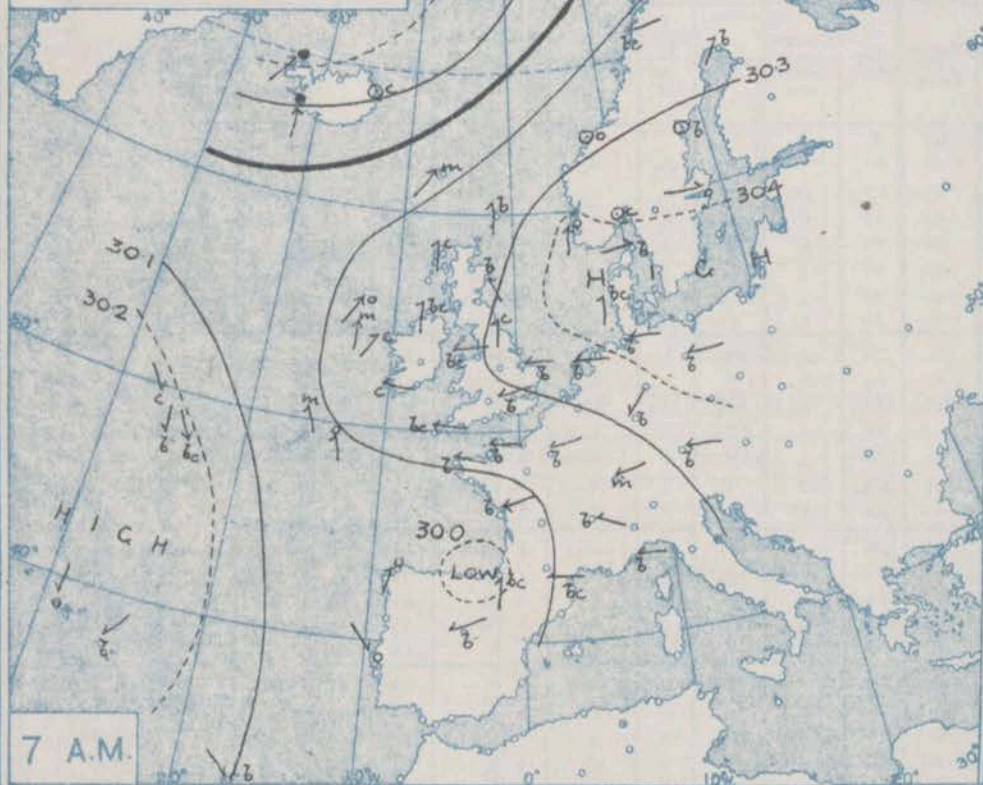
STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.			
		BAROM.		TEMP.		WIND.	BAROMETER.		TEMP.		WIND.	Forces (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.							
		At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Direc.	Force (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.	Forces (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 ...		30.23	54	SSE	3	bc	30.16	-0.2	50	-3	SSE	3	0	2	-	58	49	b	bc	om	*				
Stornoway ...		30.15	66	SW	4	bc	30.15	+0.2	55	0	N	1	0	0	-	66	52	cq	bc	cy	6.5				
Castlebay (Barra Isd.)		30.16	58	S	1	b	30.15	+0.1	53	0	WNW	2	om	1	-	59	53	om	om	om	5.1				
Glasgow ...		30.17	66	E	1	bc	30.18	-0.0	58	+3	E	1	bc	*	-	70	53	bc-o	o.c. by	bc	6.9				
Malin Head...		?	63	NE	1	bc	30.13	-0.0	56	-2	E	1	by	0	-	67	52	bc-m	cy	bc	*				
Blacksod Point ...		30.14	58	N	2	o	30.13	-0.1	55	-2	ENE	3	c	2	Trace	60	56	og	og	o.c.	*				
Valencia ...		30.10	57	WNW	1	bc	30.09	-0.1	56	0	-	0	b	3	-	65	48	og	bc	by	6.7				
IRISH ISLANDS.																									
Roche's Point ...		30.13	58	SE	3	c	30.11	*	56	+2	NE	1	b	1	Trace	59	50	om	om	bc-m	*				
Birr Castle ...		30.10	69	S	1	c	30.13	*	60	+8	S	1	bc	*	-	70	50	c	c	c bc	5.7				
Donaghadee ...		30.15	62	SE	2	b	30.15	-0.0	54	+2	SE	1	bc	1	-	64	50	bc-m	bc-m	bc-m	*				
Liverpool Obsy. ...		30.17	65	WSW	2	b	30.16	-0.2	58	+1	ESE	1	b	2	-	72	55	b	b	bc-m	13.7				
Holyhead ...		30.17	61	N	1	bc	30.12	-0.1	55	-2	NNW	3	bc-m	2	-	68	54	bc-m	bc-m	c bc-m	9.5				
Pembroke (St. Ann's Hd.)		30.14	65	NNW	1	b	30.06	-0.1	59	+3	E	2	bc-m	1	Trace	69	55	bc	b	b	11.2				
Newquay ...		30.01	65	SSW	2	b	30.01	-0.0	60	-2	NW	1	c	2	-	70	50	b	b	b bc	14.1				
SCOTLAND.																									
Scilly (St. Mary's) ...		30.08	62	ESE	4	c	30.01	-0.0	56	-1	-	0	bc-m	2	-	63	51	bc-m	bc-m	bc-m	11.2				
Jersey (St. Aubin) ...		30.08	72	ENE	4	bc-m	30.03	*	68	+5	NE	1	bc-m	1	-	76	61	bc-m	bc-m	bc-m	14.0				
Portland Bill ...		30.12	58	E	4	b	30.04	-0.1	61	+3	ENE	4	b	3	-	61	56	bc	b	b bc	*				
Dungeness ...		30.14	62	E	3	b	30.08	-0.0	62	+4	ENE	4	b	3	-	66	56	b	b	c bc	*				
Dover ...		30.18	63	NE	4	b	30.10	*	66	+3	N	1	b	3	-	68	54	b	b	b	13.8				
ENGLAND.																									
Wick ...		30.14	56	NE	1	bc	30.14	-0.1	52	-1	S	4	bc	2	-	58	51	b bc	bc	bc-m	*				
Nairn ...		30.13	59	-	0	c	30.13	*	56	-3	-	0	b	1	-	67	49	bc	cy	by	8.5				
Aberdeen ...		30.21	59	SSW	4	b	30.18	-0.1	51	-11	SSE	2	0	2	-	69	49	bc-b	b	b bc-o	14.5				
Leith ...		30.19	59	N	1	c	30.17	-0.0	53	-4	E	1	bc	*	-	63	50	b	bc-o	c bc-b	*				
North Shields ...		30.23	57	ESE	4	b	30.19	-0.2	53	-2	SSW	2	c	2	-	64	47	c	c bc	bc	10.7				
Spurn Head ...		30.24	55	ESE	4	b	30.17	-0.1	55	-2	ENE	1	bc	2	Trace	61	48	bc	c bc	c bc	14.3				
WALES.																									
Yarmouth ...		30.24	59	E	2	b	30.16	-0.2	61	+3	E	2	b	1	-	62	56	b	b	b	15.0				
Clacton-on-Sea ...		30.21	64	ENE	3	b	30.11	-0.1	62	+3	ENE	2	b	2	-	65	55	bc	bc	bc	14.5				
Nottingham ...		30.19	66	E	3	b	30.15	*	55	0	NNE	2	bc-m	*	-	76	44	b	b	b	14.4				
Bath ...		30.11	75	E	1	b	30.11	*	60	+2	E	1	b	*	-	78	48	-	-	-	10.6				
London (Kew Obsy.) ...		30.17	69	E	3	bc	30.10	-0.2	60	+1	NE	1	bc	*	-	74	51	bc	bc	bc	14.5				
NORWAY.																									
Spitzbergen ...		29.66	33	S	1	0	29.45	-0.0	35	+1	SE	7	0	*	-	35	32	*	*	*	*				
Isafjord ...		29.75	48	SW	5	c	29.94	+0.4	44	+1	SW	7	r	*	-	*	*	*	*	*	*				
Reykjavik ...		29.85	52	S	3	b	30.05	+0.3	46	0	S	3	b	*	-	*	*	*	*	*	*				
Vestmanna ...		29.91	49	SW	5	b	30.10	+0.4	46	+1	S	1	c	1	-	*	*	*	*	*	*				
Seydisfjord ...		29.81	58	WNW	5	b	30.04	+0.3	48	-1	WSW	3	b	*	-	*	*	*	*	*	*				
Thorshavn ...		30.04	52	SW	6	0	30.13	+0.3	48	-2	NNE	2	0	*	-	*	*	*	*	*	*				
SWEDEN.																									
Haparanda ...		30.24	47	SSW	2	r	30.27	+0.4	55	?	S	4	b	*	-	55	43	*	*	*	*				
Hernösand ...		30.36	58	-	0	bc	30.37	-0.0	63	+8	-	0	b	*	-	64	46	*	*	*	*				
Stockholm ...		30.36	55	-	0	b	30.38	+0.1	62	+5	ESE	2	b	*	-	68	48	*	*	*	*				
Wisby ...		30.40	54	WSW	2	b	30.38	-0.2	56	0	WSW	2	bc	*	-	61	46	*	*	*	*				
Karlstad ...		30.37	59	SW	2	b	30.40	-0.0	58	+3	WSW	2	b	*	-	66	46	*	*	*	*				
Färder (X'ania Fjord) ...		30.38	56	S	2	b	30.41	+0.1	58	0	SSW	2	b	2	-	61	52	*	*	*	*				
Bodö ...		30.25	50	SW	4	bc	30.23	+0.1	53	+7	-	0	bc	0	0.20	50	46	*	*	*	*				
Christiansund ...		30.32	55	SSW	1	b	30.28	-0.2	60	+6	E	1	b	3	-	60	50	*	*	*	*				
Skudesnaes ...		30.36	53	S	2	b	30.36	-0.0	53	+2	S	4	b	2	-	55	50	*	*	*	*				
The Scaw (Skagen) ...		30.42	54	-	0	b	30.41	-0.0	57	+4	SSE	1	b	0	-	61	45	*	*	*	*				
Blaavands Huk ...		30.40	55	NNE	1	b	30.34	-0.2	61	+5	SE	2	b	1	-	61	45	*	*	*	*				
GERMANY.																									
Cuxhaven ...		30.34	61	N	2	b	30.31	-0.0	58	+8	E	2	b	0	-	66	50	*	*	*	*				
The Helder ...		30.27	61	NE	4	b	30.20	-0.1	64	+7	ESE	3	b	1	-	66	56	*	*	*	*				
Brussels ...		30.17	66	E	4	b	30.13	-0.1	65	+5	SE	1	b	*	-	77	55	*	*	*	*				
Berlin ...		30.38	64	SE	3	b	30.39	-0.0	61	+2	S	2	b	*	-	70	50	*	*	*	*				
Frankfurt ...		30.26	64	SE	1	b	30.28	+0.1	62	+5	SE	1	b	*	-	73	50	*	*	*	*				
Munich ...		30.30	56	NE	4	b	30.29	+0.1	55	+1	NE	4	b	*	-	64	43	*	*	*	*				
FRANCE.																									
C. Grs Nez ...		30.15	61	NE	4	b	30.09	-0.0	66	+4	SE	2	b	1	-	66	57	*	*	*	*				
La Hève ...		30.05	68	E	4	m	30.06	*	63	+5	E	4	m	2	-	77	57	*	*	*	*				
Brest (St. Mathieu) ...		30.05	76	NE	2	c	30.02	+0.3	62	+2	SSE	2	bc	1	-	77	59	*	*	*	*				
Lorient (Bec Melen) ...		29.97	75	NE	1	bc	30.05	*	62	*	WSW	1	0	1	-	81	57	*	*	*	*				
Rochefort (Ile d'Aix) ...		30.00	74	WNW	2	bc	30.06	-0.1	66	+2	SW	2	bc	*	-	93	63	*	*	*	*				
Biarritz ...		30.05	64	WNW	3	0	30.08	+0.3	63	-3	N	1	0	2	-	70	61	*	*	*	*				
SPAIN.																									
Paris ...		30.10	74	E	2	b	30.09	+0.1	69	+9	E	1	b	*	-	77	55	*	*	*	*				
Belfort ...		30.17	72	ENE	4	m	30.21	*	62	+7	ENE	3	m	*	-	76	54	*	*	*	*				
Lyons ...		30.08	80	SSE	2	b	30.17	*	68	+4	-	0	b	*	-	87	59	*	*	*	*				
Nice ...		30.14	71	?	4	b	30.17	+0.1	72	0	-	0	b	2	-	81	63	*	*	*	*				
Perpignan ...		30.11	70	ENE	2	0	30.14	+0.1	68	-4	-	0	0	*	-	77	60	*	*	*	*				
Sanguinaire ...		30.07	72	NW	2	m	30.08	*	72	*	SW	1	m	2	-	79	61	*	*	*	*				
PORTUGAL.																									
Corunna (S.m.) ...		30.08	59	WNW	4	b	30.07	-0.0	58	-4	W	1	0	2	-	66	54	*	*	*	*				
Lisbon (S.m.) ...		30.03	61	NW	4	bc	30.01	+0.3	59	-1	W	3	0	2	-	73	59	*	*	*	*				
Gibraltar ...		30.01	73	E	2	b	29.97	*	70	*	E	4	bc	1	-	88	64	*	*	*	*				
Azores (Horta S.m.) ...		30.33	63	SW	1	0	30.27	-0.0	66	+2	SSW	4	0	2	-	70	61	*	*	*	*				
Madeira (Funchal) ...																									



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 15<sup>TH</sup> JUNE.



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.

Pressure is almost stationary, and the anticyclonic type of conditions

is likely to be maintained for the present.

## FORECASTS FOR THE 24 HOURS NOON MONDAY TO NOON TUESDAY.

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

Calms and light variable breezes, mainly Easterly, fine generally, some mist or haze; warm.

### 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 5.

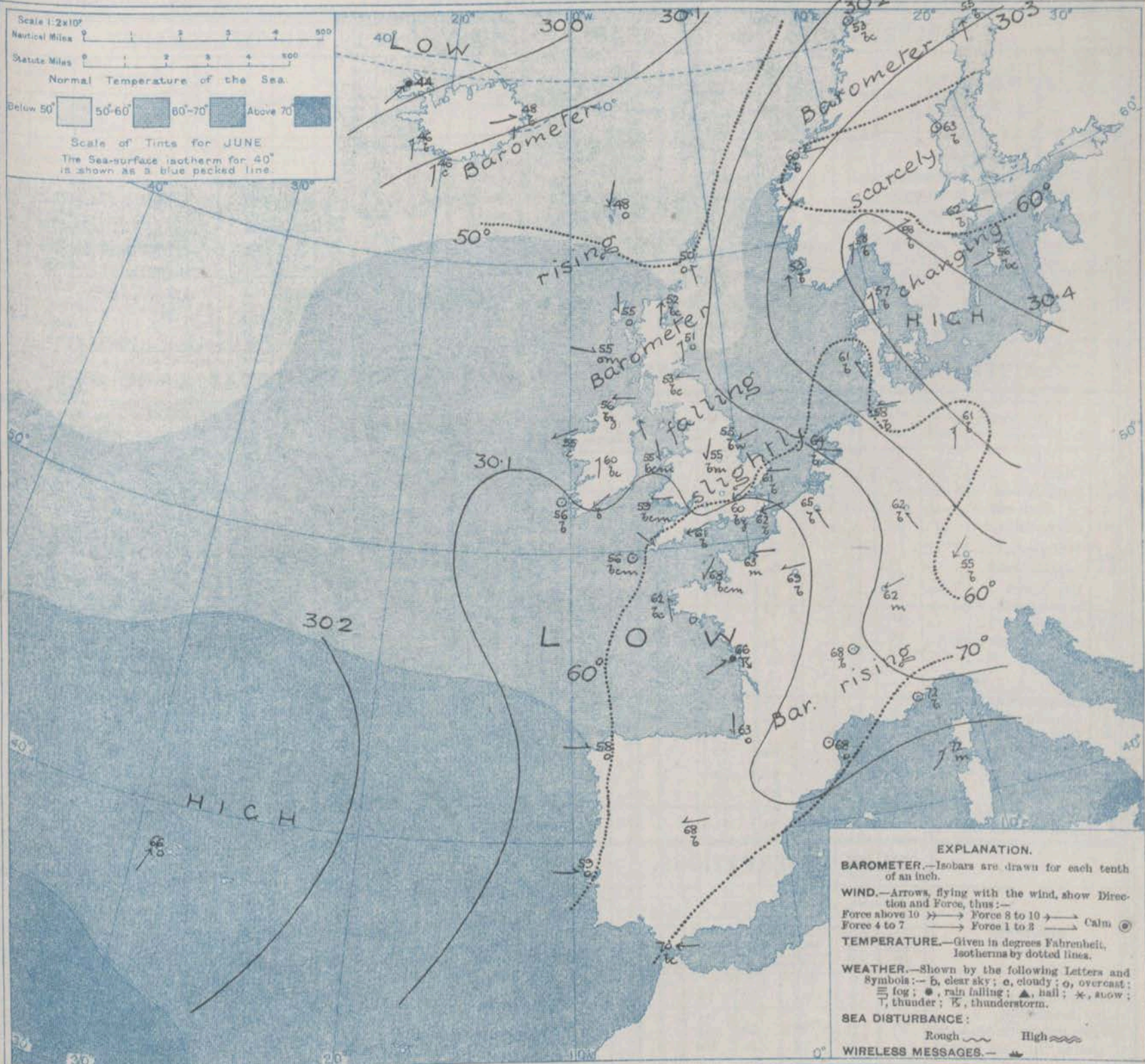
### THE FURTHER OUTLOOK. (All Districts).

Continuing fine.

11 WESTERN CHANNEL AND BAY. Calms and light variable airs; smooth sea; generally fair or fine, some mist, local thunder; warm.



# SYNOPTIC CHART FOR 7 A.M. MONDAY, 16<sup>TH</sup> JUNE 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

An area of high pressure covers nearly the whole of the region under observation, the barometer being above 30.2 in. from Christiania down to the Baltic. In a depression over Spitzbergen the barometer is below 29½ in. The gradient is very slight.

There is a definite southerly to south-westerly current over Iceland, strong or high along the north coast; over the rest of our area calms and light variable breezes are general over the British Isles temperature ranges from 50° at Lerwick to 68° at Jersey; on the Continent from 53° at Bodo

and Skudenes to 70° at Gibraltar, and 72° at Nice and Langunaire; and in Iceland from 44° to 48°. At Spitzbergen the reading is 35°. Rain is falling in the northwest of Iceland, and a thunderstorm is in progress at Rochfort; otherwise fine weather prevails extensively, with mist or haze in places. The sea is slight to very smooth everywhere.



## DAILY WEATHER REPORT.

Monday, 16th June, 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. 49	7		Vaderland	O	30.03	-0.01	NNE	1-3	b.	15th Jan. 48	23		Marquette	H	30.21	-0.02	WNW	4-5	bc
15th Gpm. 48	20		Marquette	H	30.25	-0.03	N	4-5	c	"	19		Mesaba	O	30.10	.00	WNW	6-7	"
" 50	18		Lake Michigan	O	30.19	+0.06	N	4-5	b	"	50	15	Lake Michigan	O	30.06	+0.01	SSE	1-3	"
" 50	17		Mauretania	H	30.17	-0.02	NNE	4-5	c	"	49	13	Kronland	H	30.10	+0.06	SSE	1-3	"
" 56	12		Tunisian	O	30.13	+0.01	SSW	4-5	c	"	55	12	Cameronia	O	30.15	-0.01	SW	4-5	"
" 51	11		Germania	O	30.12	-0.03	"	"	c	"	54	12	California	H	30.11	+0.07	S	4-5	"
Jan 49	26		Celtic	O	30.28	+0.21	NW	1-3	c	"									
" 48	24		Mauretania	H	30.20	+0.01	N	1-3	b										

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

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.	Oban	In.	F.	F.			Hr.	England, S.E.	Margate	In.	F.	F.			Hr.
	Stonehaven	"	62	49	b	b	13.1		Ramsgate	"	67	54	b	b	13.0
	St. Andrews	"	61	48	"	"	11.0		Folkestone	"	64	54	b	b	12.6
	Carnoustie	"	61	48	"	"	11.0		Littlestone	"	"	"	"	"	12.6
England, N.E.	Harrogate	"	69	49	b	b	12.3	England, S.W.	Hastings	"	71	53	b	b	13.0
	Scarborough	"	59	51	bc	bc	10.9		Bexhill-on-Sea	"	70	53	b	b	12.9
England, N.W.	Blackpool	"	73	50	bc	bc	12.6		Eastbourne	"	68	49	b	b	12.9
	Southport	"	73	69	bc	bc	12.5		Seaford	"	"	"	"	"	12.8
	Buxton	"	"	"	"	"	"	England, S.W.	Brighton	"	76	62	b	b	13.1
	Leamington Spa	"	74	52	b	b	11.0		Worthing	"	72	53	b	b	13.1
Wales.	Douglas	"	66	49	b	b	12.0		Littlehampton	"	71	51	b	b	12.8
	Rhyl	"	72	46	b	b	10.3		Southsea	"	72	55	b	b	11.4
	Colwyn Bay	"	72	48	b	b	9.8	England, S.W.	Bournemouth	"	72	49	b	b	11.4
	Llandudno	"	74	51	b	b	10.0		Weymouth	"	69	51	b	b	11.0
England, E.	Bettws-y-Coed	"	"	"	"	"	"		Teignmouth	"	64	47	b	b	10.3
	Aberystwyth	"	66	53	b	b	10.0		Torquay	"	67	49	b	b	10.3
	Lowestoft	"	62	53	b	b	13.6		Paignton	"	65	49	b	b	11.5
	Felixstowe	"	63	55	b	b	13.1		Ilfracombe	"	65	51	b	b	10.0
England, E.	Walton-on-Naze	"	62	55	b	b	13.2	England, S.W.	Weston-super-Mare	"	77	50	b	b	10.0
	Southend-on-Sea	"	70	51	b	b	13.5								

## 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.	Max.		Fore- noon.	After- noon.	Night.	
	%	%	F.	F.	F.					
	24 HOURS ENDED 9 A.M. TO-DAY.									
Greenwich (Royal Obs.)	39	61	74	47	32	-	b	b	b	14.7
City (Bunhill Row)	"	"	"	"	"	"	"	"	"	14.0
Westminster (St. James's Pk.)	57	72	73	53	46	-	b	b	b	14.3
Camden Sq. (Brit. Rainfall)	"	54	78	51	46	-	b	b	b	12.3
Hampstead (Reservoir)	"	61	72	52	46	-	b	b	b	14.4
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.)			2459 Joules.	44.3 Milliwatts.	72.5 Milliwatts.	14.2				

## Additional Observations for Yesterday.

STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.
		In Screen.	Night Min. on Grass.	Max.	Night.	Fore- noon.	After- noon.	
		F.	F.	F.				
		Max.	Min.	Max.				
Dublin to 4 p.m.	In.	67	55	52	bc	bc	bc	10.0
Plymouth to 9 p.m.	"	71	53	49	bc	bc	bc	"
Darwen	"	"	"	"	"	"	"	"
Manchester	"	"	"	"	"	"	"	"
Birmingham	"	73	52	45	b	b	b	11.5
Oxford to 8 p.m.	"	"	"	"	"	"	"	"
S. Kensington (Museum Grounds to 6 p.m.)	"	74	54	49	by	by	by	"

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

16th & 17th June, 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 3.31 3.34	G.M.T. 11.53 11.54	G.M.T. 8.15 8.16
Greenwich	3.44 3.44	12.0 12.1	8.16 8.17
Wick	3.7 3.7	12.12 12.13	8.18 8.18
Valencia	4.22 4.22	12.41 12.42	9.0 9.1

During yesterday temperature exceeded 70° in many parts of the British Isles, and touched 76° at Brighton and Jersey, 77° at Weston-super-Mare, and 78° at Bath. Brilliant weather was general, the bright sunshine records exceeding 10 hours in most places. Yarmouth reporting 15 hours and Lowestoft 15 hours. In the vicinity of the Irish coast ships experienced calms and light southerly breezes, further west, to the 27th meridian, light to moderate northerly breezes, and fair to fine weather.

NOTE.—The information relating to weather is indicated by the following letters—b, blue sky; bc, sky half clouded; c, sky three parts clouded; d, drizzling rain; e, wet air, without rain falling; f, fog; g, gloom; h, hail; 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.



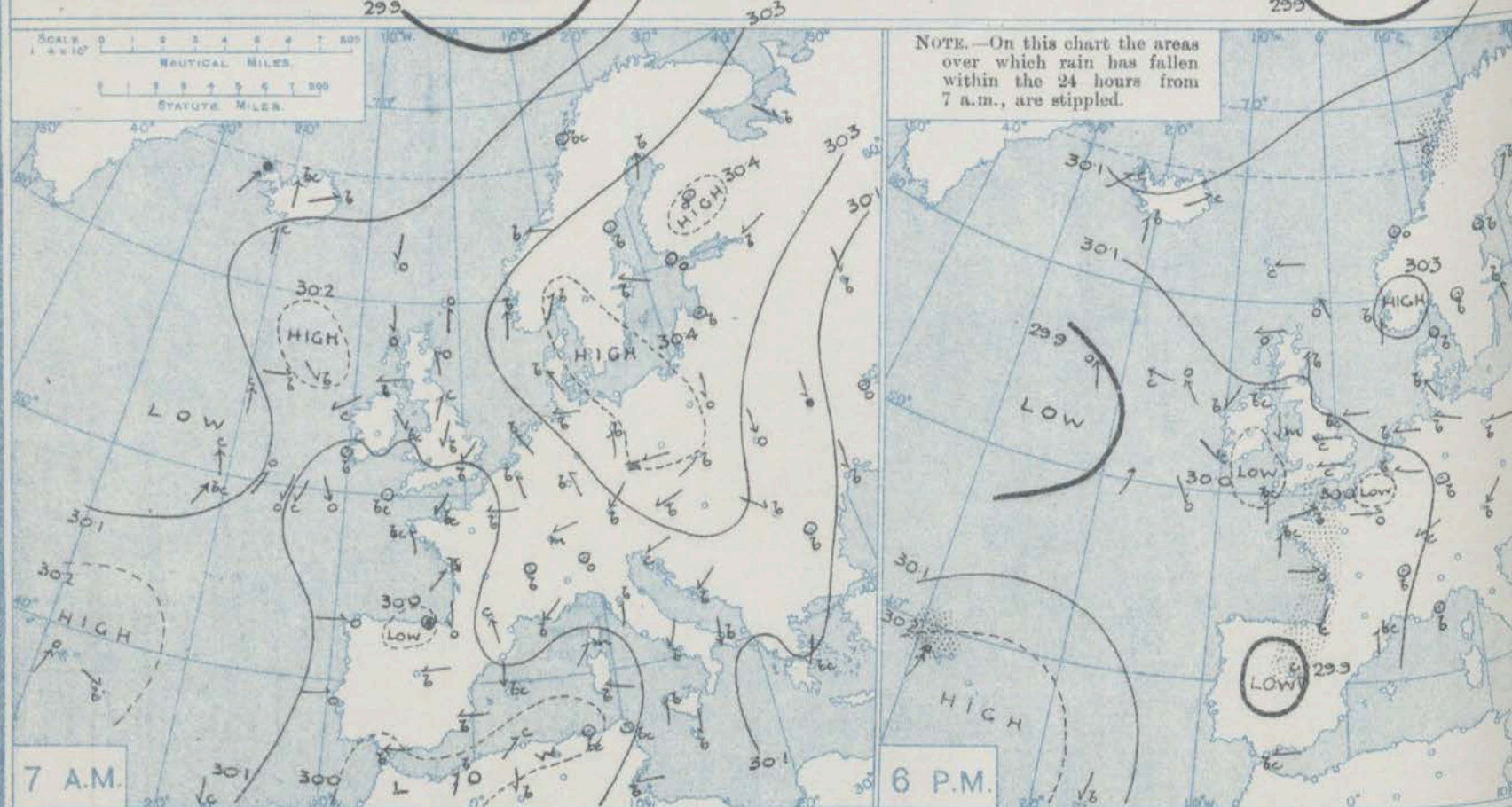
# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Tuesday,  
17th January 1913.

STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun- shine for Yester- day.	
		BAROM.		TEMP.		WIND.	Force (0 to 12).	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.					
		At 32° Fahr. and M.S.L. Lat. 46°.	Dry Bulb.	Direc.	Change since 4 a.m.				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.				
																						In.	F.		In.
BRITISH ISLANDS.																									
Lerwick ...		30.19	51	SE	2	0	30.19	-01	48	-2	ESE	1	f	1	-	54	46	c	om	f					
Stornoway ...		30.18	55	E	3	0	30.08	-02	53	-2	NE	2	bc	2	-	61	49	o. bc	c. bc	o. bc					1.5
Castlebay (Barra Isd.)		30.14	56	WNW	3	b	30.01	-01	60	+7	ENE	3	cm	2	-	60	50	o. bc	bc	bc					10.1
Glasgow ...		30.10	69	E	1	bc	30.07	-02	54	-4	E	3	bc	*	-	71	50	b	c. bc	c. bc					6.9
Malin Head ...		30.08	58	E	2	bc	29.96	-01	55	-1	E	2	m	1	-	60	52	bc	bc	bc					*
Blackod Point ...		30.06	60	NE	3	b	29.91	-02	60	+5	-	0	b	0	Trace	64	54	bc	bc	bc					*
Valencia ...		30.01	65	NW	3	cy	29.92	+01	55	-1	-	0	f	3	-	67	54	bc	bc	bc					4.0
ICELAND, FAEROE, &c.																									
Roche's Point ...		30.00	67	E	3	b	29.94	*	55	-1	E	2	f	2	0.02	71	54	bc	bc	bc					*
Birr Castle ...		30.00	73	NE	1	c	29.91	*	58	-2	NE	1	b	*	-	75	53	bc	c	b					12.2
Donaghadee ...		30.07	61	NW	2	bc	29.99	-01	54	0	NNE	2	bc	1	-	64	53	bc	bc	bc					*
Liverpool Obsy. ...		30.04	70	NNW	1	c	29.99	-01	63	+5	E	3	o	1	-	77	58	bc	bc	bc					10.5
Holyhead ...		30.04	60	N	3	m	29.97	+01	54	-1	SW	4	f	3	-	72	53	bc	bc	bc					13.5
Pembroke (St. Ann's Hd.)		30.00	68	ESE	1	bc	29.99	-01	54	-5	SSW	3	f	4	-	71	53	bc	b	bc					8.4
Newquay ...		29.99	58	ESE	2	cy	30.00	+01	57	-3	SW	2	og	2	-	71	54	bc	bc	of					7.0
SCANDINAVIA.																									
Scilly (St. Mary's) ...		29.97	59	SSE	2	bc	30.00	+01	55	-1	SW	2	om	2	-	66	53	bc	bc	fe					10.0
Jersey (St. Aubin) ...		30.04	75	WSW	2	b	30.07	*	56	-12	WNW	3	o	3	0.04	75	56	bc	bc	c. bc					11.4
Portland Bill ...		30.05	59	SSW	1	bc	30.07	+02	55	-6	SW	3	r	2	0.01	64	53	bc	bc	bc					*
Dungeness ...		30.02	64	ENE	3	c	30.00	00	61	-1	ESE	2	b	2	-	71	58	bc	bc	c. bc					*
Dover ...		30.04	71	NE	2	bc	30.00	*	68	+2	SSE	1	b	2	-	78	59	b	b. bc	bc					12.5
GERMANY, &c.																									
Wick ...		30.16	59	NW	3	b	30.13	-01	47	-5	NNE	1	fe	2	0.01	64	46	bc	bc	fe					*
Nairn ...		30.13	65	ENE	2	b	30.07	*	52	-4	ENE	1	m	1	-	72	49	bc	bc	bc					10.0
Aberdeen ...		30.13	64	S	2	b	30.14	00	56	+5	-	0	b	1	-	66	46	o. bc	bc	bc					9.2
Leith ...		30.09	59	NE	1	b	30.10	+01	51	-2	NE	1	of	*	-	67	50	b	b	b					*
North Shields ...		30.13	58	E	2	c	30.09	00	54	+1	SE	1	og	2	-	62	52	cy	c	c. o					12.6
Spurn Head ...		30.09	57	E	2	bc	30.05	00	56	+1	ENE	2	bm	2	-	60	50	bc	bc	bc					14.2
FRANCE.																									
Yarmouth ...		30.09	62	ENE	2	bc	30.02	-01	63	+2	E	1	bc	1	-	65	53	b	bc	bc					14.3
Clacton-on-Sea ...		30.05	67	NE	2	bc	30.00	00	65	+3	NE	2	bc	1	-	70	59	o. bc	bc	bc					12.7
Nottingham ...		30.04	74	E	4	c	30.03	*	59	+4	E	1	om	*	-	82	52	b	bc	c. bc					12.1
Bath ...		30.01	79	-	0	c	30.02	*	64	+4	SE	1	o	*	-	82	55	-	-	-					10.0
London (Kew Obsy.) ...		30.01	78	ENE	2	cy	30.01	00	62	+2	-	0	om	*	-	84	57	bc	b. bc	cy					12.0
SPAIN, PORTUGAL, &c.																									
Spitzbergen ...		29.50	34	S	8	S	29.74	+06	34	-1	S	4	S	*	?	35	30								
Isafjord ...		30.04	51	SW	3	c	30.15	+01	48	+4	SW	3	c	*	*	*	*								
Reykjavik ...		30.13	55	SE	3	o	30.13	-02	49	+3	SE	1	o	*	*	*	*								
Vestmanna ...		30.15	50	S	1	bc	30.14	-01	46	0	ESE	5	o	1	*	*	*								
Seydisfjord ...		30.12	58	WSW	3	c	30.19	+01	45	-3	-	0	b	*	*	*	*								
Thorshavn ...		30.23	54	E	1	c	30.26	00	46	-2	NNE	2	o	*	*	*	*								
PORTUGAL, &c.																									
Haparanda ...		30.25	52	SSW	2	b	30.16	-03	58	+3	S	2	b	*	-	63	46								
Hernösand ...		30.24	58	-	0	b	30.15	-04	59	-4	-	0	b	*	-	66	46								
Stockholm ...		30.25	57	SSE	2	b	30.13	-04	63	+1	E	2	b	*	-	70	48								
Wisby ...		30.25	7	SE	2	b	30.16	-04	61	+5	WSW	2	bc	*	-	63	46								
Karlstad ...		30.25	60	-	0	b	30.19	-04	61	+3	W	4	b	*	-	70	48								
Färder (X'ania Fjord)		30.30	59	SSW	2	b	30.20	-03	61	+3	SSW	2	bc	1	-	61	55								
Bodö ...		30.22	49	W	2	c	30.22	+01	47	-6	-	0	t	0	0.12	54	45								
Christiansund ...		30.27	55	-	0	o	30.27	00	53	-7	-	0	c	2	-	60	48								
Skudesnaes ...		30.31	57	S	2	b	30.25	-01	60	+7	E	2	b	1	-	60	50								
The Scaw (Skagen) ...		30.29	60	-	0	b	30.22	00	61	+4	WNW	1	b	0	-	72	55								
Blaavands Huk ...		30.23	62	SE	2	b	30.20	-01	52	-9	SE	2	b	1	-	73	52								
GERMANY, &c.																									
Cuxhaven ...		30.19	66	ESE	2	b	30.15	00	62	+4	E	2	b	0	-	73	54								
The Helder ...		30.10	71	E	2	b	30.08	-01	64	0	ESE	2	b	1	-	75	63								
Brussels ...		30.04	72	ESE	1	b	30.03	00	74	+9	SSW	1	b	*	-	84	62								
Berlin ...		30.23	68	E	2	b	30.20	-01	64	+3	SE	1	b	*	-	73	52								
Frankfurt ...		30.12	64	-	0	b	30.14	+01	63	+1	SE	1	b	*	-	79	52								
Munich ...		30.19	57	NE	4	b	30.19	-01	56	+1	NE	3	b	*	-	68	43								
FRANCE.																									
C. Gris Nez ...		30.03	68	NE	3	bc	30.01	-01	67	+1	S	3	bc	2	-	82	59								
La Hève ...		30.04	67	WNW	2	m	30.08	*	59	-4	WNW	2	m	2	-	86	52								
Brest (St. Mathieu) ...		30.06	64	S	1	bc	30.09	+01	57	-5	SSW	2	o	1	-	68	54								
Lorient (Rec Melen) ...		30.06	63	W	1	o	30.07	*	59	-3	W	1	o	1	-	64	55								
Rochefort (Ile d' Aix)		30.07	64	W	2	o	30.08	+02	62	-4	NNW	3	c	*	0.12	79	59								
Biarritz ...		30.03	65	NNE	3	c	30.04	+02	64	+1	S	2	c	2	0.24	77	63								
SPAIN, PORTUGAL, &c.																									
Paris ...		30.04	75	-	0	o	30.05	+01	73	+4	S	1	b	*	-	86	61								
Belfort ...		30.08	79	ENE	2	c	30.13	*	66	+4	-	0													



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 16<sup>TH</sup> JUNE.



## GENERAL INFERENCE

The changes in pressure are slight and rather indefinite, but the general tendency is for the anticyclone to recede further to the north-eastward, and for shallow depressions

## WEATHER PROSPECTS.

to develop over France and the southern parts of the British Isles.

## FORECASTS FOR THE 24 HOURS NOON TUESDAY

## TO NOON WEDNESDAY.

- 0 <sup>a</sup><sub>b</sub> Light breezes, mainly
- 1 <sup>a</sup><sub>b</sub> Easterly, fair generally, and rather warm, some fog on the
- 2 <sup>a</sup><sub>b</sub> coast.
- 3 <sup>a</sup><sub>b</sub> Light variable airs; fair
- 4 <sup>a</sup><sub>b</sub> today, close; warm. Local
- 5 <sup>a</sup><sub>b</sub> thunder showers later.

### 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 <sup>a</sup><sub>b</sub> Same as Nos. 0. to 2.
- 7 <sup>a</sup><sub>b</sub> Light variable breezes; fair generally today, and rather warm; thunder showers by tomorrow, some fog on coast.
- 8 <sup>a</sup><sub>b</sub>
- 9 <sup>a</sup><sub>b</sub> Light variable airs; fair as a whole; rather warm, some coast fog.
- 10 <sup>a</sup><sub>b</sub>

11 WESTERN CHANNEL AND BAY. Light breezes, mainly South Easterly; fair generally, some mist or fog; sea slight or smooth; rather warm.

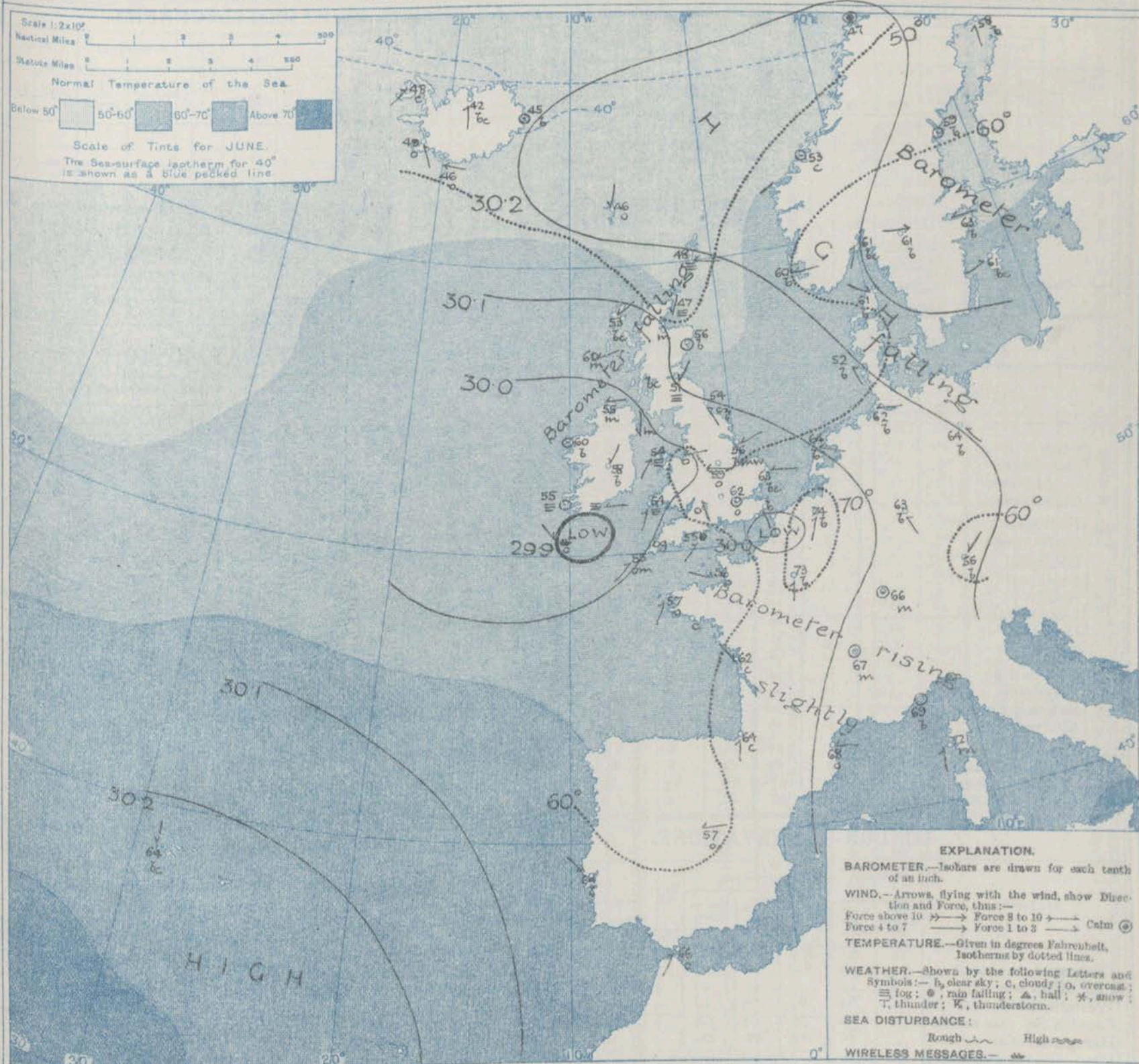
## THE FURTHER OUTLOOK. (All Districts)

Less settled



SYNOPTIC CHART FOR 7 A.M. TUESDAY, 17<sup>TH</sup>

JUNE 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

The anticyclone has extended north-westward from Denmark and its central area now lies between Iceland and Norway. The gradient is very slight. Very shallow cyclonic systems are shown near Valencia and the Straits of Dover respectively.

The wind is very light, the prevailing direction over the North Sea region is from East or South East, elsewhere it is very variable. The weather is fair or fine both at home and abroad, but over our islands there is more cloud than on the two previous days. Much sea

fog has developed in Shetland and on the east coast of Scotland and also in the south-west. The morning temperature readings at home stations range for the most part from 47° at Wick to about 60° or 65° over England. High temperatures are reported from Belgium and the north-east of France. Brussels 74°. Paris 73°. The sea is slight or smooth generally.



## DAILY WEATHER REPORT.

Tuesday, 17th June 1913.

## OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- utward. H- ome- ward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- utward. H- ome- ward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
17th 7am.	51	10	Franconia	H	29.89	-.03	MMW	1-3	0	16th 7am.	49	21	Franconia	H	30.03	-.02	SSW	4-5	bc
16th 6pm.	56	22	Tunisian	O	29.90	-.02	SSE	6-7	0	"	54	19	Laurentic	H	30.09	-.01	S	4-5	c
"	55	17	Pretorian	O	29.95	-.22	ESE	4-5	c	"	55	17	Tunisian	O	30.20	+.01	W	1-3	b
"	50	16	Franconia	H	29.97	-.02	SSW	1-3	0	"	50	17	Carmania	O	30.12	-.01	SW	1-3	0
"	58	14	Laurentic	H	30.01	-.03	ESE	6-7	0	"	49	10	Marquette	H	30.19	-.03	NNE	1-3	c
"	49	12	Marquette	H	30.08	-.06	NW	1-3	0	"	49	15	Lapland	O	30.10	-.01	NNE	1-3	b
7am.	52	22	Carmania	O	30.04	-.14	?SSE	?8-9	0	"	55	14	Pretorian	O	30.27	.00	MMW	1-3	0
"	51	21	Lake Michigan	O	30.06	-.09	SE	4-5	0	"	49	11	Minnewaska	O	30.07	+.02	NW	4-5	0

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

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	Hr.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	Hr.
			Max.	Min.	Forenoon.	Afternoon.						Max.	Min.	Forenoon.	Afternoon.		
Scotland.	Oban	...	70	54	bey	bc	11.6		England, S.E.	Margate	...	73	55	b	b	12.7	
	Stonehaven	...	62	47	f	b	7.1			Ramsgate	...	71	56	*	*	12.7	
	St. Andrews	...	72	48	f	b. bc	9.6			Folkestone	...	75	53	b	b	12.4	
	Carnoustie	...	60	47	*	*	9.5			Littlestone	...	*	*	*	*	11.6	
England, N.E.	Harrogate	...	75	44	b	b. bc	11.7		England, S.W.	Hastings	...	79	57	b	b. bc	11.2	
	Scarborough	...	63	48	c. b	c. b	11.0			Bexhill-on-Sea	...	73	50	b	b. f	11.2	
	Blackpool	...	74	50	bc	c. o	10.3			Eastbourne	...	73	52	b	b. o	10.5	
	Southport	...	76	49	bc	c. bc	10.5			Seaford	...	83	54	b	b	12.2	
England, N.W.	Buxton	...	74	41	bc	bc	11.4		England, S.W.	Brighton	...	75	56	bc. b	b. bc. c	12.7	
	Leamington Spa	...	79	43	b	bc	9.7			Worthing	...	76	56	b	b	12.3	
	Douglas	...	71	54	b. y	b. y	12.5			Littlehampton	...	78	57	*	*	12.3	
	Malvern	...	75	49	b. y	b. y	11.5			Southsea	...	76	56	b	b. bc	12.0	
Wales.	Rhyl	...	75	49	b. y	b. y	11.5		England, S.W.	Bournemouth	...	78	50	b. bc	bc. b	12.0	
	Colwyn Bay	...	72	51	b	b	12.0			Exmouth	...	72	52	b	b	9.3	
	Llandudno	...	72	53	b	b	12.0			Weymouth	...	75	57	b	b. bc	8.5	
	Bettws-y-Coed	...	80	52	b	bc. c. y	7.8			Teignmouth	...	70	52	b	b	8.3	
England, E.	Aberystwyth	...	77	55	c. bc	c. b. bc	10.5		England, S.W.	Torquay	...	69	55	b	b	8.8	
	Lowestoft	...	66	54	b	b. bc. b	13.7			Paignton	...	67	55	b	b	10.6	
	Felixstowe	...	67	52	b	b. bc	13.0			Ilfracombe	...	75	54	b	b. bc	9.0	
	Walton-on-Naze	...	65	56	b. y	b. y	13.1			Weston-super-Mare	...	82	53	b	b. bc. b	9.0	
Southend-on-Sea		...	75	52	b	b	13.0				...	...	...	...	...	...	...

## 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.			F.°	F.°	F.°				Hr.	
Greenwich (Royal Obsy.) ...	42	58	82	54	44	—	b	b. bc	o	13.2	Dublin to 4 p.m.	In.	69	52	50	bm	bc	c. b	8.7	
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	11.2	Plymouth to 9 p.m.	—	74	55	50	bc	bc	of	9.0	
Westminster (St. James's Pk.)	41	69	81	59	53	—	b	bc. m	o. bc	12.0	Darwen	—	75	50	47	bc	bc	bc		
Camden Sq. (Brit. Rainfall)	41	64	85	57	53	—	b	b. bc	bc. m	11.4	Manchester	—	*	*	*	*	*	*		
Hampstead (Reservoir) ...	*	65	80	58	50	—	bc	bc	bc	13.2	Birmingham	—	*	*	*	*	*	*		
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.											83	48	41	bm. bc	bc	cm. bm	
			Total.		Mean Rate.		Max. Rate.													
S. Kensington (Roof of M.O.)	48	66	2069 Joules.		34.8 Milliwatts.		65 Milliwatts.			11.6	S. Kensington (Museum Grounds to 6 p.m.)	—	82	53	42	bm.	b. bc	bc. c		

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

	17th June 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T.	G.M.T.	G.M.T.	
	3.31	11.54	8.16	
	3.31	11.54	8.16	
Greenwich	3.44	12.1	8.17	
	3.44	12.1	8.18	
Wick	3.7	12.13	8.18	
	3.7	12.13	8.19	
Valencia	4.22	12.42	9.1	
	4.22	12.42	9.1	

## NOTES ON YESTERDAY'S WEATHER.

Fine weather prevailed over the British Isles, the amount of bright sunshine being large, frequently over 12 hours. Temperature rose to 84° in London, 86° was reached in Paris. Thunderstorms were experienced on the shores of the Bay of Biscay and extended as far north as Jersey during the night, where slight rain 0.04 inch has fallen.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; i. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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



12.22.

1913.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Wednesday  
12th June 1913.

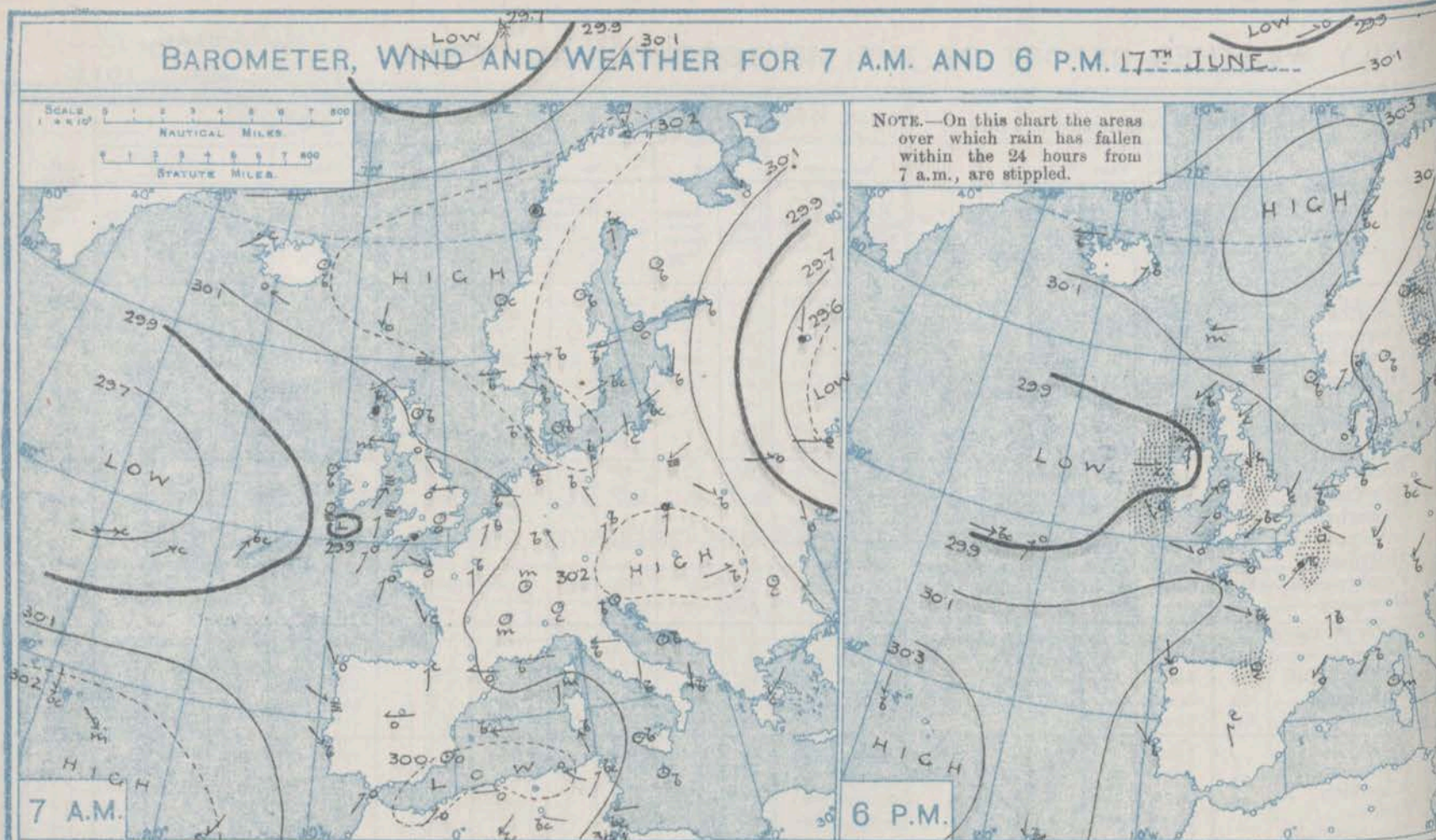
STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.							
		BAROM.		TEMP.		WIND.	Force (0 to 12).	Weather.	BAROMETER.*		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.									
		At 32° Fahr. and M.S.L. Lat. 45°.		Dry Bulb.					At 32° Fahr. and M.S.L. Lat. 45°.		Change since 4 a.m.							Dry Bulb.		Change since Yester- day.			Max.		Min.		Morn'g. 7 a.m. to 1 p.m.	Aftern'm 1 p.m. to 6 p.m.	Night 6 p.m. to 7 a.m.
		In.	F.	Direc.					In.	In.	F.	F.						Direc.		Direc.			F.	F.					
Lerwick ... ..		30.16	49	ENE	2	f	30.11	-0.1	51	+3	ENE	4	bc	3	-	52	47	m	m f	b. bc	*								
Stornoway ... ..		29.97	63	NE	2	bc	29.96	+0.1	59	+6	NE	2	c	2	-	65	52	bcg	bcg	o. c	12.3								
Castlebay (Barra Isd.)		29.92	60	ENE	3	bc	29.96	+0.1	52	-8	SE	2	of	1	0.18	66	50	c. bc	bc. bc	bc. bc	7.6								
Glasgow ... ..		29.99	63	E	3	bc	29.99	-0.1	54	0	ENE	1	o	*	0.04	63	52	c. bc	bc. bc	c. bc	2.5								
Malin Head ... ..		29.86	70	S	5	bc	29.95	+0.1	53	-2	-	0	f	0	-	70	53	bcg	bcg	f. c	*								
Blacksod Point ... ..		29.89	55	W	2	c	29.91	+0.2	54	-6	W	1	r	2	0.08	71	53	bcg	bcg	f. c	*								
Valencia ... ..		29.95	57	SSE	2	c	29.94	+0.1	52	-3	-	0	o	4	0.31	61	52	of m	o. c	om	0.9								
Roche's Point ... ..		29.97	58	WSW	3	c	29.96	*	55	0	S	3	r	3	0.07	61	53	f. c	f. c	bc. bc	*								
Birr Castle ... ..		29.90	66	NW	1	c	29.94	*	55	-3	SSE	1	o	*	-	67	52	bc. c	c	bc. o	5.8								
Donaghadee ... ..		29.94	57	SE	3	bc	29.95	0.0	52	-2	S	1	fe	1	-	63	51	bc. m	bc. m	bc. m	*								
Liverpool Obsy. ... ..		29.99	59	NW	3	b	30.02	+0.1	55	-8	WNW	1	o	1	-	72	55	bc. m	bc. m	om	5.2								
Holyhead ... ..		29.99	58	SW	4	cm	30.00	+0.1	55	+1	S	4	bc	3	-	62	52	f. bc. f	bc. bc	c. of bc	6.7								
Pembroke (St. Ann's Hd.)		30.01	54	SW	3	o	30.03	+0.1	53	-1	SW	2	c	3	-	59	53	f	om	adm	1.0								
Newquay ... ..		30.01	56	WSW	2	of	30.03	?	54	-3	SSW	1	o	1	-	61	53	o	c. cf	of. o	0.7								
Scilly (St. Mary's) ... ..		30.02	56	WNW	1	om	30.02	0.0	55	0	SW	2	bcv	3	Trace	66	51	omd	m	bc	0.0								
Jersey (St. Aubin) ... ..		30.07	62	NW	3	o	30.08	*	57	+1	W	3	o	3	-	65	52	o. c. o	c. bc. o	c. o	1.3								
Portland Bill ... ..		30.03	57	WSW	3	b	30.04	0.0	56	+1	WSW	2	o	2	-	59	55	bc	b	bc. o	*								
Dungeness ... ..		30.00	61	SW	3	c	30.02	+0.1	59	-2	WSW	4	b	3	-	68	53	bc	bc. c	c. b	*								
Dover ... ..		30.01	60	S	2	c	30.02	*	59	-9	SW	3	b	3	-	76	53	b. bc. b	bc. bc	c. bc	8.6								
Wick ... ..		30.07	53	ESE	1	bc	30.00	0.0	53	+6	ENE	2	bc	2	-	55	46	f. bc. m	b. bc. m	bc. m	*								
Nairn ... ..		29.99	61	-	0	bc	29.98	*	52	0	-	0	m	1	-	62	44	m	bcg	bc. m	2.7								
Aberdeen ... ..		30.05	56	NE	1	c	29.99	-0.1	52	-4	-	0	m	1	-	64	47	bc. o	o. c	c. bc. m	5.3								
Leith ... ..		30.00	54	NE	1	bc	29.98	0.0	54	+3	NNE	1	b	*	-	55	50	om	o. c. bc	b	*								
North Shields ... ..		30.00	60	N	2	c	29.98	-0.1	55	+1	WNW	2	cy	2	0.01	64	49	c	c	c. o	3.3								
Spurn Head ... ..		29.98	59	E	2	o	29.97	-0.0	58	+2	NNW	1	m	1	0.06	68	55	bc	bc. o	c. of m	9.2								
Yarmouth ... ..		29.99	61	NE	1	c	29.99	0.0	60	-3	W	1	f	1	-	67	56	bc	bc. c	bc. c	9.0								
Clacton-on-Sea ... ..		29.96	72	ENE	1	c	30.00	+0.1	60	-5	SW	3	bc	2	-	73	56	bcg	bc. c	c. bcg	4.8								
Nottingham ... ..		29.97	66	E	1	o	29.97	*	58	-1	SW	1	ofe	*	0.11	78	55	o. c	o. c	o. c	1.2								
Bath ... ..		30.00	68	SW	2	b	30.06	*	56	-8	W	1	o	*	-	75	54	o. r	o. bc	-	6.9								
London (Kew Obsy.) ... ..		30.00	74	SW	2	bc	30.03	+0.1	59	-3	W	1	o	*	-	81	53	omc	c. bc	bc. bc	7.8								
Spitzbergen ... ..		29.89	33	W	3	o	29.98	+0.2	32	-2	S	3	bc	1	-	34	30												
Isafjord ... ..		30.13	51	E	3	b	30.05	-0.3	46	-2	-	0	b	*	*	*	*												
Reykjavik ... ..		30.11	55	SE	1	b	29.97	-0.4	54	+5	E	1	c	*	*	*	*												
Vestmanna ... ..		30.08	48	E	8	c	29.95	-0.2	47	+1	E	10	o	2	*	*	*												
Seydisfjord ... ..		30.20	64	SW	2	b	30.20	0.0	48	0	E	1	o	*	*	*	*												
Thorshavn ... ..		30.21	48	ESE	3	m	30.15	-0.1	47	+1	ENE	2	o	*	*	*	*												
Haparanda ... ..		30.08	58	NE	6	c	30.02	-0.0	46	-12	NE	6	o	*	-	58	43												
Hernösand ... ..		30.06	64	-	0	bc	30.06	+0.1	54	-5	N	2	c	*	0.08	70	54												
Stockholm ... ..		30.01	61	-	0	b	29.95	-0.1	61	-2	N	4	o	*	Trace	77	57												
Wisby ... ..		30.02	56	WSW	2	b	29.94	-0.1	57	-4	-	0	c	*	-	63	48												
Karlstad ... ..		30.06	62	-	0	b	30.01	-0.2	65	+4	ENE	4	b	*	-	73	54												
Færder (X'ania Fjord) ... ..		30.09	62	SW	1	b	30.03	-0.3	61	0	NNE	4	b	1	-	64	55												
Bodö ... ..		30.30	48	NE	2	bc	30.31	+0.1	46	-1	NE	2	b	2	-	48	43												
Christiansund ... ..		30.26	51	NE	1	c	30.21	-0.1	50	-3	ENE	4	b	2	-	54	48												
Skudesnaes ... ..		30.13	65	-	0	b	30.04	-0.2	62	+2	-	0	b	0	-	68	52												
The Scaw (Skagen) ... ..		30.11	62	WSW	1	b	30.04	-0.2	65	+4	WNW	1	b	0	-	70	54												
Blaavands Huk ... ..		30.12	65	NNE	1	o	30.04	-0.1	69	+17	S	1	bc	1	-	73	52												
Cuxhaven ... ..		30.07	68	E	2	b	30.02	-0.2	60	-2	ESE	2	b	0	-	73	57												
The Helder ... ..		30.00	70	ENE	2	bc	30.00	0.0	64	0	SSW	3	b	1	-	79	55												
Brussels ... ..		30.02	63	SE	3	o	30.03	-0.0	65	-9	SW	1	b	*	0.32	86	55												
Berlin ... ..		30.06	70	SE	1	bc	30.02	-0.2	67	+3	S	1	bc	*	-	77	55												
Frankfurt ... ..		30.05	69	NE	1	b	30.05	+0.2	63	0	SW	1	m	*	-	81	57												
Munich ... ..		30.07	63	NE	2	b	30.06	-0.1	65	+9	S	1	b	*	-	72	50												
C. Gris Nez ... ..		30.02	65	SSW	4	c	30.04	+0.2	59	-8	WSW	3	b	2	-	70	55												
La Hève ... ..		30.08	58	WSW	3	m	30.08	*	58	-1	WNW	2	b	1	-	68	54												
Brest (St. Mathieu) ... ..		30.10	61	NW	2	m	30.08	0.0	57	0	SE	1	o	1	-	66	54												
Lorient (Roe Meien) ... ..		30.08	63	W	1	c	30.07	*	58	-1	NNW	1	o	0	-	68	55												
Rochefort (Ile d' Aix) ... ..		30.04	65	WNW	4	bc	30.05	+0.2	61	-1	N	3	o	*	-	72	57												
Biarritz ... ..		30.01	69	-	0	c	30.04	0.0	65	+1	WSW	2	o	1	1.14	73	63												
Paris ... ..		30.00	74	N	3	bc	30.06	+0.3	61	-12	NNW																		

\* 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. 17<sup>TH</sup> JUNE



## GENERAL INFERENCE

The changes in progress are slight and indefinite. Fair weather will prevail in most places, but with the exceedingly uniform distribution of pressure

## WEATHER PROSPECTS.

there is a tendency, for thunder disturbances to develop locally.

## FORECASTS FOR THE 24 HOURS NOON WEDNESDAY TO NOON THURSDAY.

- 0  $\left\{ \begin{array}{l} a \\ b \end{array} \right\}$  Light variable breezes;  
close, some thunder showers,  
1 fair later.

- 2  $\left\{ \begin{array}{l} a \\ b \end{array} \right\}$  Light breezes, mainly

- 3 S.W. easterly; fair generally, but

- 4  $\left\{ \begin{array}{l} a \\ b \end{array} \right\}$  local thunder showers;

- 5 temperature moderate to

- rather warm.

## 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  $\left\{ \begin{array}{l} a \\ b \end{array} \right\}$  Same as Nos. 0 and 1.

- 7  $\left\{ \begin{array}{l} a \\ b \end{array} \right\}$  Same as Nos 2 to 5.

- 8  $\left\{ \begin{array}{l} a \\ b \end{array} \right\}$  Light variable breezes;  
fair intervals, but unsettled,  
occasional showers; moderate  
to rather warm temperature.

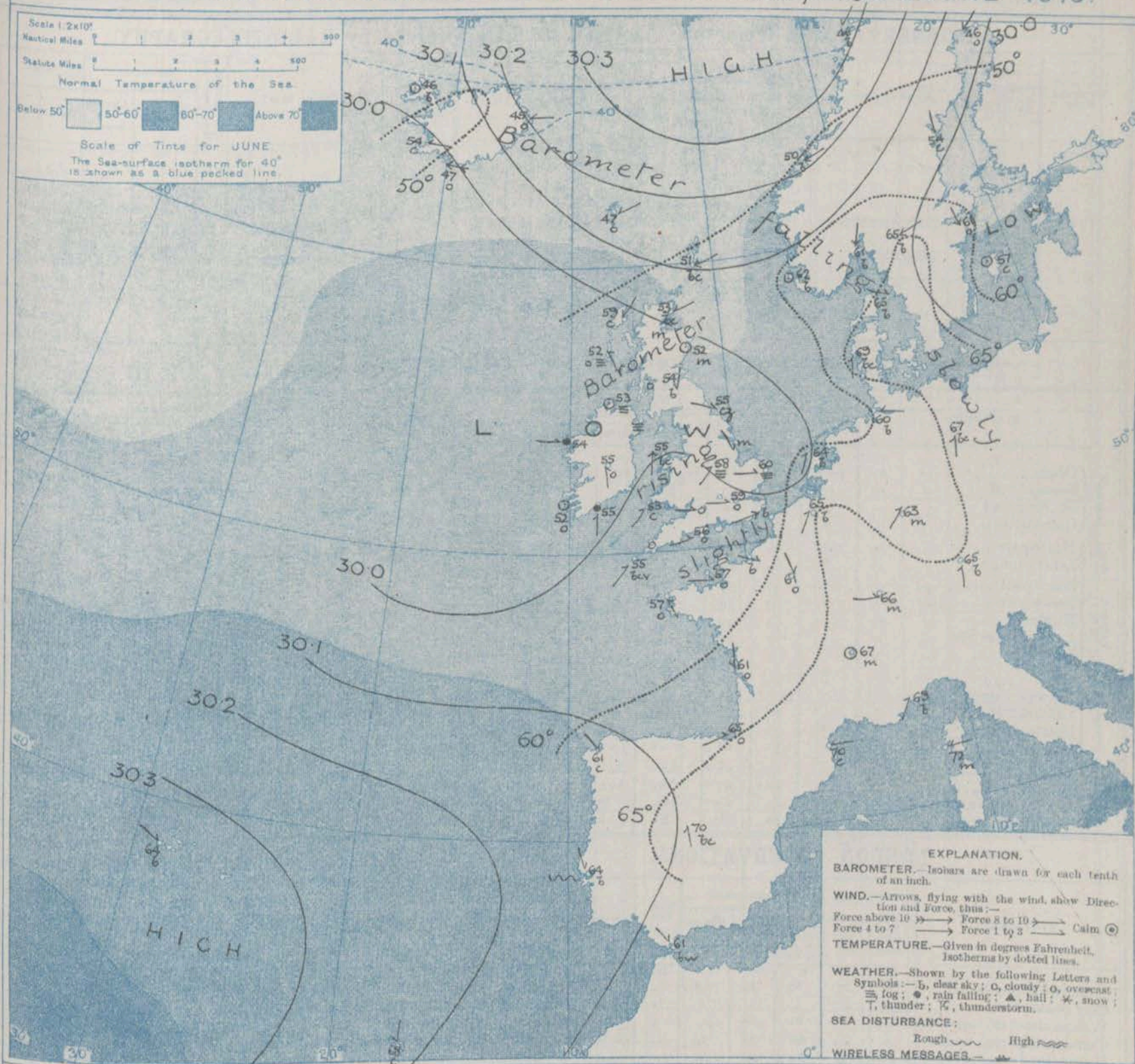
- 10  $\left\{ \begin{array}{l} a \\ b \end{array} \right\}$  Light breezes, mainly  
South-Easterly; sea slight or  
smooth; fair as a whole;  
moderate temperature.

- 11 WESTERN CHANNEL AND BAY.

## THE FURTHER OUTLOOK.



# SYNOPTIC CHART FOR 7 A.M. WEDNESDAY, 18<sup>TH</sup> JUNE 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

An anticyclone is centred between Iceland and Norway, the highest reading being on the northern Norwegian coast. Further south pressure has become exceedingly uniform. Readings are between 30.0 in. and 30.1 in. over France, Germany, Denmark, the south of England and the greater part of Sweden, while values between 29.9 in. and 30 in. are shown over the west and north of the British Isles.

With this uniform pressure distribution the wind is everywhere light, and its direction very variable. Over the south of England and Ireland southerly to south & easterly winds

predominate. Rain is falling at a few Irish stations, but on the whole the weather is fair or fine both at home and abroad. There is much sea fog on the north coast of Ireland and in the Hebrides, and also locally on the east coast of Britain. The morning temperature readings at the home stations lie between 50° and 60°. The continental values are rather higher, a reading of 63° being reported on the west coast of Denmark. The sea is slight or smooth generally.



## DAILY WEATHER REPORT.

Wednesday, 18th June, 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.	
17th 6pm	48	25	Minnewaska	0	29.90	+05	W	6-7	bc	17th 7am	48	27	Carmaria	0	29.65	+01	WSW	8-9	c
"	48	20	Vaderland	0	29.88	+01	SW	6-7	0	"	48	21	Minnewaska	0	29.83	00	SW	4-5	b
"	"	"	"	"	"	"	"	"	"	"	49	16	Vaderland	0	29.89	-03	SW	4-5	bc

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

STATIONS.							Reinfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.							Reinfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.		
							In.	Max.	Min.	Forenoon.	Afternoon.	Hr.								In.	Max.	Min.	Forenoon.	Afternoon.	Hr.		
Scotland.	{	Oban	...	...	...	...	0.06	71	53	b, bz	pc bc	4.1	{	Margate	...	...	...	In.	83	58							
		Stonehaven	...	...	...	...	-	62	47	b	c	5.6		Ramsgate	...	...	...	-	89	60	*	*					
		St. Andrews	...	...	...	...	-	66	50	b	b	2.7		Folkestone	...	...	...	-	70	58	b	bc b					
		Carnoustie	...	...	...	...	-	60	48			3.6		Littlestone	...	...	...	*	*	*	*						
Eng. N.E.	{	Harrogate	...	...	...	...	0.25	71	50	c-bc	c-at br	2.2	{	Hastings	...	...	...	-	77	61	b	b-bc b					
		Scarborough	...	...	...	...	"	64	50	c b	c b	7.5		Bexhill-on-Sea	...	...	...	-	77	61	b	b-bc b					
England, N.W.	{	Blackpool	...	...	...	...	0.01	75	57	o b p	o c	2.5	{	Eastbourne	...	...	...	-	74	60	b-bc o	bc b					
		Southport	...	...	...	...	-	73	56	o, bc	bc b	2.0		Seaford	...	...	...	-	77	58	b	b					
		Buxton	...	...	...	...	0.02	73	49	bc	bc, r o	1.3		Brighton	...	...	...	-	71	60	c-bc	bc b					
		Leamington Spa	...	...	...	...	-	75	57	o	bc	4.3		Worthing	...	...	...	-	74	59	bc	bc b					
		Douglas	...	...	...	...	-	62	56	od	bc	4.0		Littlehampton	...	...	...	-	77	57	*	*					
		Malvern	...	...	...	...	*	62	56	b	b, o	3.8		Southsea	...	...	...	0.06	71	58	bc	bc b					
Wales.	{	Rhyl	...	...	...	...	-	65	56	bc	bc b-bc	2.6	{	Bournemouth	...	...	...	0.03	66	55	d o c	bc b					
		Colwyn Bay	...	...	...	...	-	66	36	o-bc	o	2.0		Exmouth	...	...	...	-	66	56	d c b	bc c					
		Llandudno	...	...	...	...	-	76	57	c-bc c	o	2.8		Weymouth	...	...	...	-	67	54	c-bc	b					
		Bettws-y-Coed	...	...	...	...	-	62	58	o-c o	c-bc	1.7		Teignmouth	...	...	...	-	70	56	b	c					
England, E.	{	Aberystwyth	...	...	...	...	-	69	56	bc	bc cu	9.3	{	Torquay	...	...	...	-	66	56							
		Lowestoft	...	...	...	...	-	68	57	b, q	bc or ht	9.9		Paignton	...	...	...	-	66	55	o b	b o					
		Felixstowe	...	...	...	...	0.51	72	56	b, q	bc, t	9.6		Ilfracombe	...	...	...	-	65	54	o	c-bc b					
		Walton-on-Naze	...	...	...	...	-	80	58	b	b	11.0		Weston-super-Mare	...	...	...	-	74	57	c b	b-bc c					
		Southend-on-Sea	...	...	...	...	-																				

## LONDON OBSERVATIONS.

## Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain- fall.	WEATHER.			Sun- shine for Yester- day.	STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.				
	3 p.m. Yester- day.	9 a.m. To- day.	In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.				In Screen.	Night Min. on Grass.	Night.	Fore- noon.	After- noon.			
			Max.	Min.														Max.	Min.	
			24 HOURS ENDED 9 A.M. TO-DAY.																	
%	%	F.°	F.°	F.°	In.				Hr.	In.	F.°	F.°	F.°	"						
Greenwich (Royal Obsy.) ...	48	67	87	52	46	-	b	bc c	8.5	Dublin to 4 p.m.	-	75	56	53	bm	bc	bm			
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	5.2	Plymouth to 9 p.m.	-	62	55	51	o	o	o			
Westminster (St. James's Pk.)	57	72	82	54	*	-	bc	bc	7.4	Darwen	0.12	74	56	52	bc	bc	opt. bc			
Camden Sq. (Brit. Rainfall)	45	64	85	53	50	-	om. bc	bc c	6.5	Manchester	-	76	60	*	bc	bc	cl. bc			
Hampstead (Reservoir) ...	*	75	82	51	46	-	bc	c	6.9	Birmingham	0.06	73	59	52	r. c	r. c	c			
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.										Oxford to 8 p.m.	*	75	57	52	bm. m	bm. m	c b
			Total.		Mean Rate.		Max. Rate.													
S. Kensington (Roof of M.O.)	56	72	16.91 Joules.		28.4 Milliwatts.		82.5 Milliwatts.		5.8	S. Kensington (Museum Grounds to 6 p.m.)	-	82	60	50	cy. c	b. bc c	c bc			

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

18th & 19th June 1913.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 3.31 3.31	G.M.T. 11.54 11.54	G.M.T. 8.16 8.17
Greenwich ...	3.44 3.44	12.1 12.1	8.18 8.18
Wick ...	3.7 3.7	12.13 12.13	8.19 8.19
Valencia ...	4.22 4.22	12.42 12.42	9.1 9.1

## NOTES ON YESTERDAY'S WEATHER.

Fair or fine weather prevailed over the greater part of the country, but thunderstorms were experienced in a good many places. 0.84 in. of rain fell in 25 minutes in a heavy storm experienced about 1 p.m. at Belvoir Castle. The amounts of bright sunshine were rather variable, the largest figure, 12.3 hours, being reported at Stornoway. Temperature exceeded 80° around London. Thunderstorms were also experienced in many parts 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.

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.



Thursday,  
19th June, 1913.

Thursday,  
19th June, 1913.

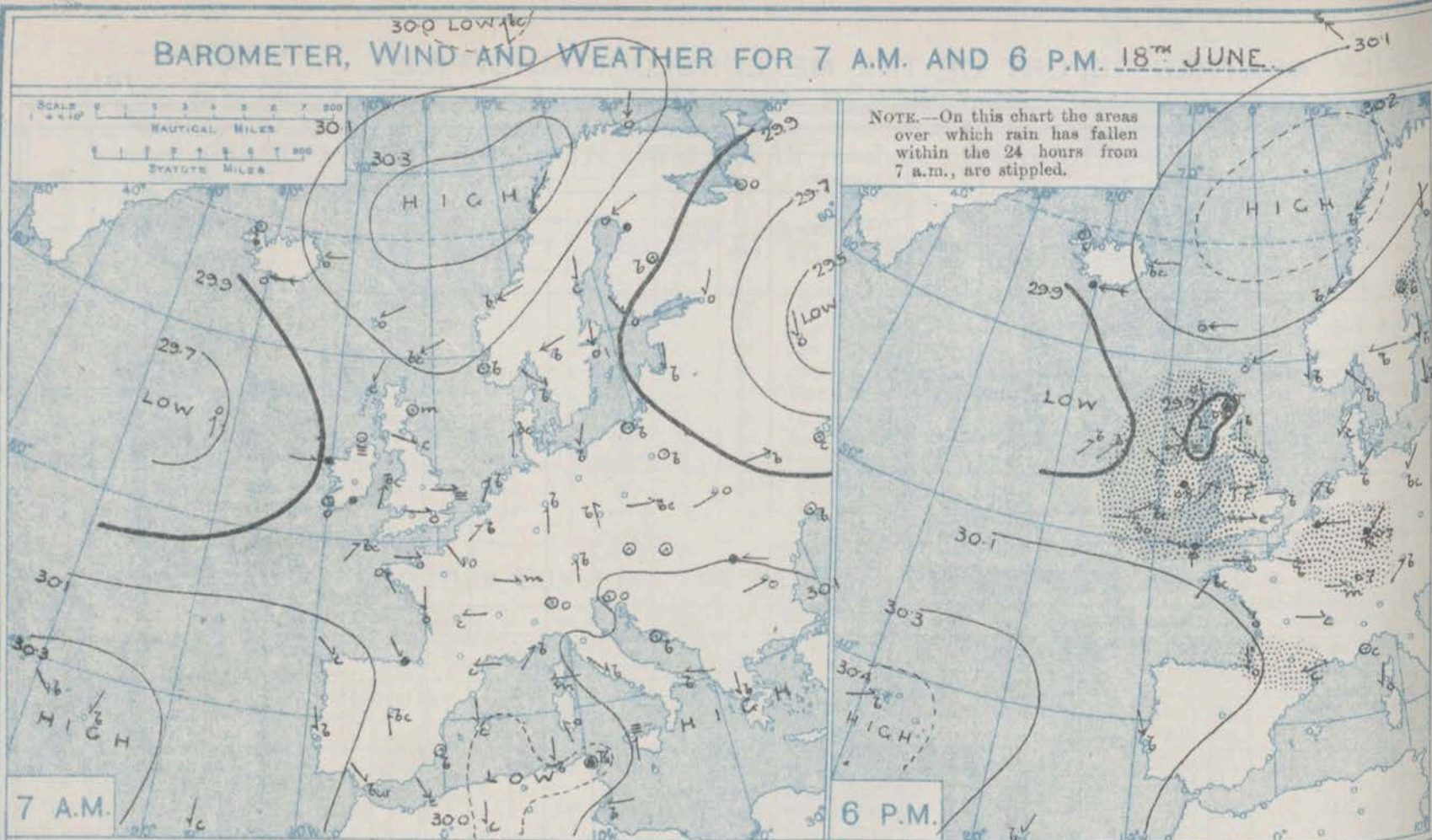
Thursday,  
19th June, 1913.

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

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# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 18<sup>TH</sup> JUNE.



## GENERAL INFERENCE

The depression over the north of these islands seems likely to move slowly in an easterly direction, but there are no indications of any great change in the

## WEATHER PROSPECTS.

general barometric situation.

## FORECASTS FOR THE 24 HOURS NOON THURSDAY

## TO NOON FRIDAY.

- 0 {  
a } Wind between East and North,  
b } light or moderate; much cloud,  
some rain; cool.
- 1 {  
a } Wind mainly Westerly,  
b } light or moderate; changeable,  
some rain; cool.
- 2 {  
a } Wind mainly Westerly,  
b } light or moderate, fresh locally
- 3 {  
a } at times; fair generally;  
b } temperature lower than of late.
- 4 {  
a }  
b }
- 5 {  
a }  
b }

## FORECAST DISTRICTS.



## STORM WARNINGS.

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

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

NO WARNINGS ISSUED.

- 6 {  
a } Same as No. 1.  
b }
- 7 {  
a } Wind mainly Westerly, light  
b } to fresh; changeable, some showers;  
rather cool.
- 8 {  
a } Same as Nos 2 to 5.  
b }
- 9 {  
a } Same as No. 7.  
b }
- 10 {  
a } Westerly winds, light or  
b } moderate; mostly fair, some  
local showers; rather cool.

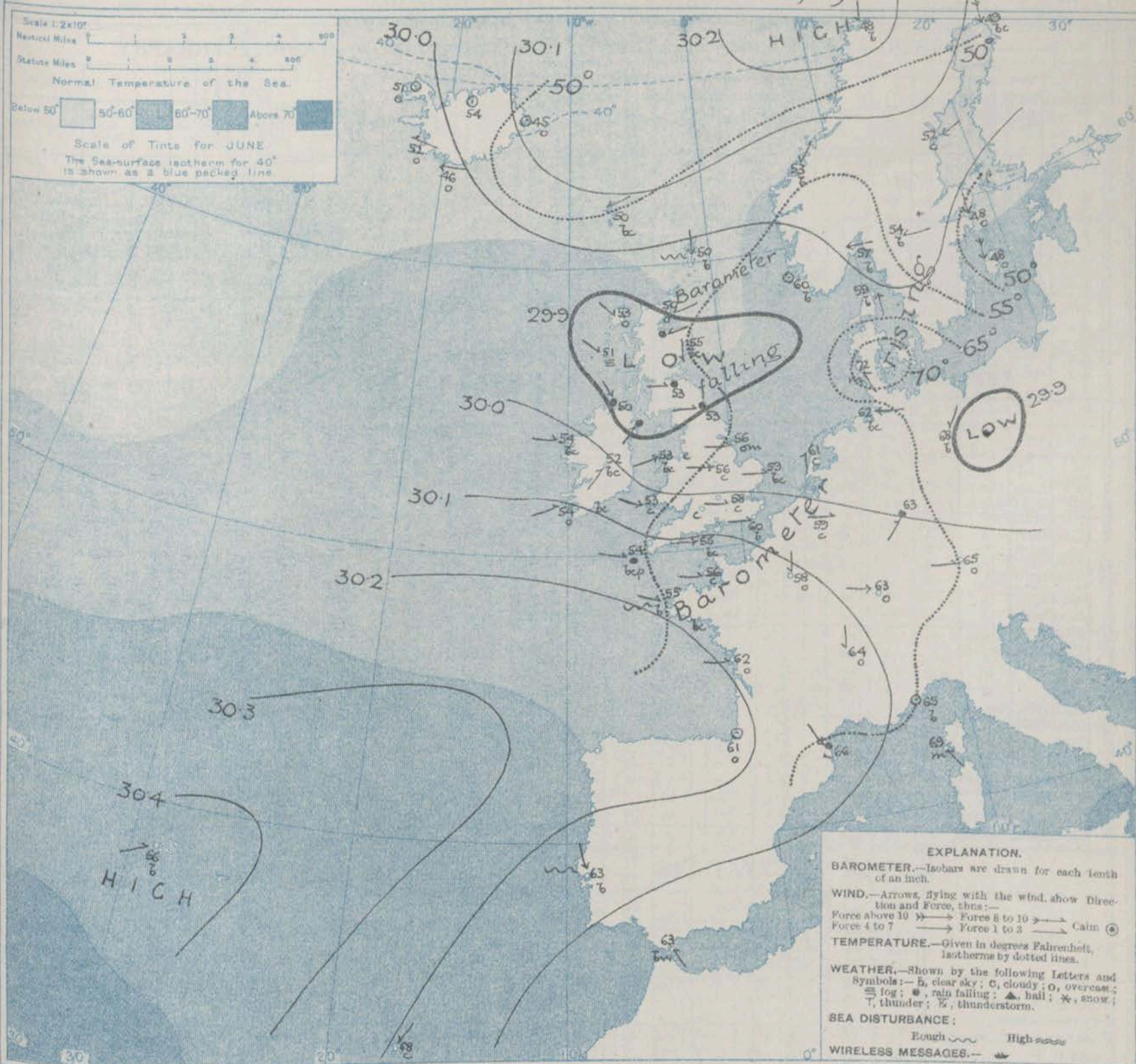
## 11 WESTERN CHANNEL AND BAY.

Westerly winds, light to fresh; sea moderate; fair generally.

## THE FURTHER OUTLOOK.



# SYNOPTIC CHART FOR 7 A.M. THURSDAY, 19<sup>TH</sup> JUNE 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

The barometer is above 30.4 in the Azores region, and above 30.2 in the north of Norway, while in a depression of little intensity covering Scotland and its neighbourhood it is below 29.9 in.

The wind is light or moderate from the Westward in nearly all parts of Ireland, England and the north of France, but draws into the South Eastward on the eastern shores of the North Sea, and to the Eastward or Northward in Scotland. Strong winds or gales from the Eastward are reported in Sweden. Temperature has fallen in most regions over the

United Kingdom—it ranges from 60° on the coast of Kent to below 55° very generally in the west and north, and to 50° at Lenoix and Malin Head. Rain is falling in some parts of Scotland, and the extreme north of England and Ireland and passing showers are reported at Sicily, while in some other places the sky is cloudy or overcast. In many localities, however, the weather is fair to bright. On the Continent the conditions vary a good deal, and rain is falling at Frankfurt and Rospiger.



## DAILY WEATHER REPORT.

Thursday, 19th June 1913.

## OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
18th 6 p.m.	55	15	Empress of Britain	H	29.90	+0.7	Sw	1-2	b	18th 7 a.m.	52	21	Empress of Britain	H	29.68	-0.1	S	1-2	b
"	55	13	Teutonic	O	29.88	+0.0	WSW	1-2	b	" 1 p.m.	50	52	Scotia	-	29.47	?	WNW	5	b
"	51	11	Royal George	O	29.95	+0.0	W	4-5	o	Air Temp. 35° Sea Temp. 35° Strong gale last night									
"	51	10	Arabic	O	20.00	+0.7	W	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.							England, S.E.						
Oban ...	0.02	70	53	b, c	b, c	1.6	Margate ...	0.01	72	54	b	b	12.8
Stonehaven ...	0.02	63	46	c	b	4.3	Ramsgate ...	0.01	70	54	b	b	13.1
St. Andrews ...	0.01	67	47	c	b	6.6	Folkestone ...	0.01	62	52	b	b	13.0
Carnoustie ...	0.01	60	46	b, c	b, c	5.5	Littlestone ...	0.01	63	52	b, c	b	12.6
Harrogate ...	0.02	73	53	b, c	b, c	6.3	Hastings ...	0.01	64	52	b, c	b	11.9
Scarborough ...	0.01	67	50	c	b	10.0	Bexhill-on-Sea ...	0.01	64	54	b, c	b, c	12.3
Blackpool ...	0.01	62	53	o	o	1.7	Eastbourne ...	0.01	64	54	b	b, c	9.5
Southport ...	0.01	61	54	o	o	3.5	Seaford ...	0.01	62	55	b, c	b, c	8.3
Buxton ...	0.01	70	53	b, c	b, c	5.1	Brighton ...	0.01	64	55	b, c	b, c	8.7
Leamington Spa ...	0.01	71	56	c	c	7.5	Worthing ...	0.01	65	52	b, c	b, c	6.4
Douglas ...	0.01	58	50	o	o	5.2	Littlehampton ...	0.01	69	50	b	b	3.5
Malvern ...	0.01	64	55	b, c	b, c	3.7	Southsea ...	0.01	67	54	b, c	b, c	0.8
Rhyl ...	0.01	64	53	b, c	b, c	4.3	Bournemouth ...	0.01	63	53	o	o	0.0
Colwyn Bay ...	0.01	65	53	b, c	b, c	5.2	Exmouth ...	0.01	60	53	o	o	0.1
Llandudno ...	0.01	66	54	b, c	b, c	8.8	Weymouth ...	0.01	61	54	o	o	0.0
Bettws-y-Coed ...	0.01	61	55	o	o	1.2	Teignmouth ...	0.01	61	55	o	o	0.1
Aberystwyth ...	0.01	74	56	b, c	b, c	10.0	Torquay ...	0.01	60	54	o	o	0.0
Lowestoft ...	0.01	71	57	b, c	b, c	13.2	Paignton ...	0.01	60	53	o	o	0.2
Felixstowe ...	0.01	69	56	b, c	b, c	13.5	Ilfracombe ...	0.01	69	51	o	o	0.0
Walton-on-Naze ...	0.01	77	54	b	b	13.5	Weston-super-Mare ...	0.01	62	54	b	o	0.0
Southend-on-Sea ...	0.01	77	54	b	b	13.5							

## 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.	Max.	Min.		Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Greenwich (Royal Obs.) ...	49	50	78	55	53	b	b, c	11.1	Dublin to 4 p.m.	Trace	65	57	55	o	o
City (Rushall Row) ...	51	52	74	57	55	b	b, c	9.2	Plymouth to 9 p.m.	0.01	60	53	53	b, c	0
Westminster (St. James's Pl.)	57	58	74	57	55	b	b, c	9.6	Darwen "	0.01	66	52	52	b, c	0
Camden Sq. (Brit. Rainfall)	49	51	78	50	53	b	b, c	10.0	Manchester "	0.01	71	55	54	b, c	0
Hampstead (Reservoir) ...	51	51	73	54	49	b	b, c	10.0	Birmingham "	0.01	70	56	50	b	o
Kew. (See front page.)	51	51	73	54	49	b	b, c	10.0	Oxford to 8 p.m.	0.01	71	52	49	b, c	0
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.															
Total.			Mean Rate.		Max. Rate.				S. Kensington (Museum Grounds to 6 p.m.)						
S. Kensington (Roof of M.O.)			2196 Joules.		36.8 Milliwatts.		77 Milliwatts.		-						

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

	19th June 1913.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T.	G.M.T.	G.M.T.	
	3.24	11.54	8.17	
	3.31	11.54	8.17	
Greenwich ...	3.44	12.1	8.18	
	3.44	12.1	8.18	
Wick ...	3.7	12.13	8.19	
	3.7	12.13	8.19	
Valencia ...	4.22	12.42	8.2	
	4.22	12.42	8.2	

## NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature rose to above 75° at a few English stations, but remained below 65° in the south-west of England. Thunderstorms occurred at some places in Scotland and the north of England, with 0.8 in. of rain at Nairn. A similar quantity of rain also fell at Malin Head and Ben Castle. Much bright sunshine was recorded in the east and south of England and in a few isolated localities elsewhere but in the south-west of England the day was very 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, fog, threatening sky; v, visibility, unusual transparency; w, dew; x, hoar frost; z, dust-haze, or smoke.

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



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Friday,  
20th June, 1913.

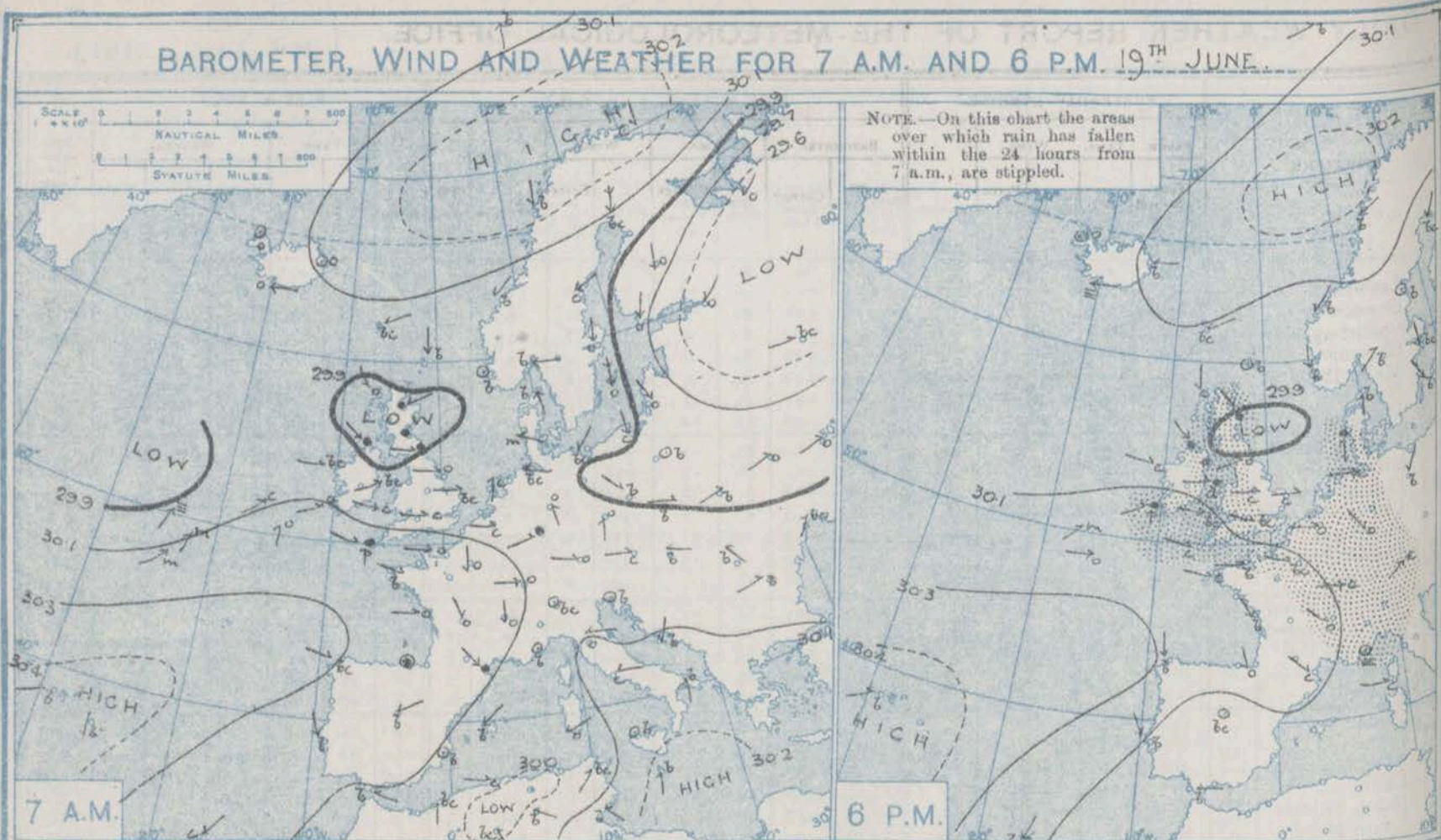
STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shine for Yester- day.		
		BAROM.		TEMP.		WIND.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.							
		At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Dir.	Force (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.
Lerwick ... ..		In.	F.	-	0	b	In.	In.	F.	-	0	f	0	In.	F.	F.	om	b	f	Hours					
Stornoway ... ..		29.95	55	-	0	b	30.07	+0.3	48	-2	-	0	f	0	-	55	47	om	b	*					
Castlebay (Barra Isd.)		29.97	58	N	2	c	30.10	+0.3	50	-3	NE	1	c	1	-	63	48	o	c o	1.8					
Glasgow ... ..		29.97	52	NW	3	of	30.09	+0.2	51	0	NW	2	of	2	-	55	49	of om	om of	0.0					
Malin Head ... ..		29.88	54	SW	1	o	30.03	+0.3	53	0	-	0	o	2	0.84	56	50	org	r o g	0.3					
Blackod Point ... ..		29.98	50	NW	5	omqr	30.08	+0.3	50	0	NNW	3	me	2	0.33	51	48	omqr	omqr	*					
Valencia ... ..		30.12	55	WNW	3	c	30.15	+0.1	54	0	NW	1	b	2	trace	59	47	cp	cm	*					
		30.17	55	WSW	2	op	30.15	0.0	55	+1	-	0	c	4	0.05	58	54	cp	cp	1.4					
Roche's Point ... ..		30.14	57	N	3	c	30.16	*	52	-1	N	2	c	2	0.02	60	48	cgp	cgp	*					
Birr Castle ... ..		30.08	57	WNW	4	c	30.12	*	50	-2	NW	3	c	*	*	60	46	c	c	4.0					
Donaghadee ... ..		29.96	52	W	4	T	30.05	+0.3	51	0	NW	3	o	3	0.62	55	51	omr	or	*					
Liverpool Obsy. ... ..		30.01	54	WSW	4	o	30.02	+0.2	53	+1	W	1	o	3	0.27	59	50	bc py	bc	3.4					
Holyhead ... ..		30.04	53	W	3	admqr	30.04	+0.2	52	-1	NW	4	omr	3	0.28	60	50	c o bc	odp	2.6					
Pembroke (St. Ann's Hd.)		30.10	55	WNW	5	bc	30.11	0.0	50	-3	NW	4	cgp	4	0.01	57	50	c	b c	5.6					
Newquay ... ..		30.16	57	WSW	2	c	30.13	0.0	55	-1	W	3	o	3	-	59	53	b	bc c	11.8					
Scilly (St. Mary's) ... ..		30.18	57	WNW	3	c	30.13	+0.1	55	+1	NW	1	bc	2	0.06	62	51	bc	c	8.9					
Jersey (St. Aubin) ... ..		30.20	59	W	3	b	30.15	*	55	-1	W	4	o	3	0.11	61	52	c	bc	12.1					
Portland Bill ... ..		30.09	58	WNW	5	bc	30.08	-0.1	54	-1	WNW	3	bc	3	-	58	54	bc	bc	*					
Dungeness ... ..		30.07	60	WSW	3	bc	30.04	0.0	56	-4	SW	3	bc	2	-	68	49	bc	bc	*					
Dover ... ..		30.06	60	WSW	4	b	30.05	*	57	-3	NW	3	b	2	-	68	48	c b c b	b b c b	10.1					
Wick ... ..		29.95	52	ENE	3	c	30.07	+0.4	48	-3	N	2	o	3	0.01	54	46	fp b m	cm	*					
Nairn ... ..		29.45	52	-	0	r	30.07	*	52	-1	-	0	o	1	0.25	53	47	z d	z r	0.0					
Aberdeen ... ..		29.89	53	NW	4	r	30.04	+0.5	50	-5	NW	4	o	2	0.08	59	50	cp om	op	0.5					
Leith ... ..		29.86	59	W	1	o	30.02	+0.3	54	+1	W	1	c	*	0.07	62	51	org	o	*					
North Shields ... ..		29.40	58	WSW	3	o	30.02	+0.3	51	-2	N	3	m	2	0.01	65	50	r c	o	5.6					
Spurn Head ... ..		29.95	60	W	4	bc	30.01	0.0	55	-1	WSW	2	bc w	3	-	63	48	c	bc	6.3					
Yarmouth ... ..		30.01	64	W	2	c	30.04	0.0	56	-3	WNW	2	c	2	-	67	53	bc	bc c	9.7					
Clacton-on-Sea ... ..		30.02	65	W	2	bc	30.03	-0.1	58	-1	W	2	bc	1	-	69	50	bc	bc	12.0					
Nottingham ... ..		30.00	59	W	3	c	30.02	*	53	-3	WSW	2	om	*	0.05	64	48	bc p	cp	7.5					
Bath ... ..		30.10	60	W	4	b	30.08	*	55	-2	W	1	o	*	0.02	66	51	bc	bc	11.1					
London (Kew Obsy.) ... ..		30.05	65	WNW	2	bc	30.07	0.0	55	-3	SSW	1	o	*	0.02	67	52	c	c b c	10.8					
Spitzbergen ... ..		29.98	34	SW	1	bc	29.93	-0.1	37	+5	-	0	o	*	-	37	30								
Isafjord ... ..		29.49	51	-	0	o	29.98	0.0	52	+1	S	4	o	*	*	*	*								
Reykjavik ... ..		30.05	53	E	2	o	30.02	0.0	52	0	E	6	o	*	*	*	*								
Vestmanna ... ..		30.02	46	E	5	f	30.02	0.0	46	0	ESE	5	o	1	*	*	*								
Seydisfjord ... ..		30.12	59	E	2	b	30.09	-0.1	47	+2	-	0	m	*	*	*	*								
Thorshavn ... ..		30.10	55	ENE	2	bc	30.12	0.0	51	+1	-	0	o	*	*	*	*								
Haparanda ... ..		30.05	54	NE	4	bc	30.12	0.0	53	+4	NE	6	b	*	-	68	41								
Hernösand ... ..		30.09	52	-	0	b	30.13	0.0	58	+6	NW	2	b	*	-	59	41								
Stockholm ... ..		30.01	47	NNW	4	bc	30.06	+0.2	55	+7	NNE	6	b	*	-	55	45								
Wisby ... ..		29.99	48	N	6	b	30.05	+0.3	49	+1	NNE	4	o	*	-	50	46								
Karlstad ... ..		30.06	60	SW	2	b	30.12	0.0	61	+7	-	0	b	*	-	68	52								
Färder (X'ania Fjord)		30.04	61	WSW	2	b	30.13	+0.2	63	+6	SW	2	b	1	-	63	57								
Bodö ... ..		30.20	50	NE	2	b	30.19	0.0	50	+2	E	1	b	1	-	52	41								
Christiansund ... ..		30.01	57	NE	2	b	30.12	+0.3	59	+6	-	0	b	2	-	63	48								
Skudesnaes ... ..		29.98	65	N	4	b	30.11	+0.3	64	+4	ESE	2	b	1	-	64	50								
The Scaw (Skagen) ... ..		30.06	60	SSE	1	b	30.13	+0.3	61	+2	SE	1	b	0	-	72	54								
Blaavands Huk ... ..		29.93	61	S	1	r	30.05	+0.4	56	-16	WNW	1	r	1	0.79	75	55								
Cuxhaven ... ..		29.97	61	W	4	o	30.05	+0.2	59	-3	NW	2	c	0	0.04	70	57	Thunderstorm Noon							
The Helder ... ..		30.02	58	SW	3	b	30.05	0.0	62	+1	E	2	c	1	-	63	50								
Brussels ... ..		30.08	59	W	1	o	30.08	0.0	53	-6	SW	2	o	*	Trace	67	48								
Berlin ... ..		29.94	69	NE	3	bc	29.99	+0.3	62	-6	SE	3	c	*	-	81	58								
Frankfurt ... ..		30.04	64	NW	1	o	30.07	+0.2	63	0	-	0	o	*	Trace	77	61								
Munich ... ..		30.04	62	SW	4	c	30.03	-0.1	61	-4	W	3	o	*	0.12	73	57								
C. Grs Nez ... ..		30.07	57	WSW	5	c	30.06	0.0	55	-2	WSW	3	o	2	0.04	61	54								
La Hève ... ..		30.17	56	WNW	3	bc	30.12	*	52	-3	WSW	4	o	4	0.04	63	48								
Brest (St. Mathieu) ... ..		30.27	59	WNW	3	c	30.19	0.0	56	+1	W	2	o	3	-	66	52								
Lorient (Rec Malen) ... ..		30.21	60	WNW	5	bc	30.19	*	56	-2	NW	3	o	3	-	63	54								
Rochefort (Ile d'Als) ... ..		30.21	61	NW	4	b	30.21	+0.1	58	+4	NW	3	o	*	-	66	57								
Biarritz ... ..		30.26	63	NNW	3	o	30.23	0.0	61	0	-	0	c	4	-	66	57								
Paris ... ..		30.13	64	NW	2	bc	30.13	-0.1	53	-5	SW	2	r	*	0.12	68	52								
Belfort ... ..		30.04	68	W	5	c	30.12	*	58	-5	W	2	o	*	0.04	77	56								
Lyons ... ..		30.13	65	NW	3	o	30.15	*	61	-3	N	1	c	*	0.04	77	59								
Nice ... ..		30.05	65	-	0	f	29.99	-0.2	67	+2	SW	2	b	2	Trace	79	61								
Perpignan ... ..		30.12	71																						

\* 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. 19<sup>TH</sup> JUNE.



## GENERAL INFERENCE

A shallow low pressure system centred over the North Sea is filling up, and will soon cease to affect the weather over the British Isles. Generally fair, but

## WEATHER PROSPECTS.

rather cool weather will predominate during the ensuing twenty-four hours.

### FORECASTS FOR THE 24 HOURS NOON FRIDAY

- 0 { a } Light breezes between North  
West and North East; mostly  
1 fair or fine, some sea fog;  
moderate or cool temperature.  
2 { a }  
b } Light breezes, mainly  
3 West; fair generally;  
4 { a } moderate temperature.  
b }  
5

#### FORECAST DISTRICTS.



#### STORM WARNINGS.

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

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

NO WARNINGS  
ISSUED

### TO NOON SATURDAY.

- 6 { a } Moderate or light breezes  
b } mainly North West; fair  
7 { a } fair as a whole; rather  
b } cool to moderate temperature  
8 { a } Same as Nos. 3 to 5.  
b }  
9 { a } Light breezes from between  
b } North West and South West;  
10 { a } fair as a whole; moderate  
b } or rather cool temperature.

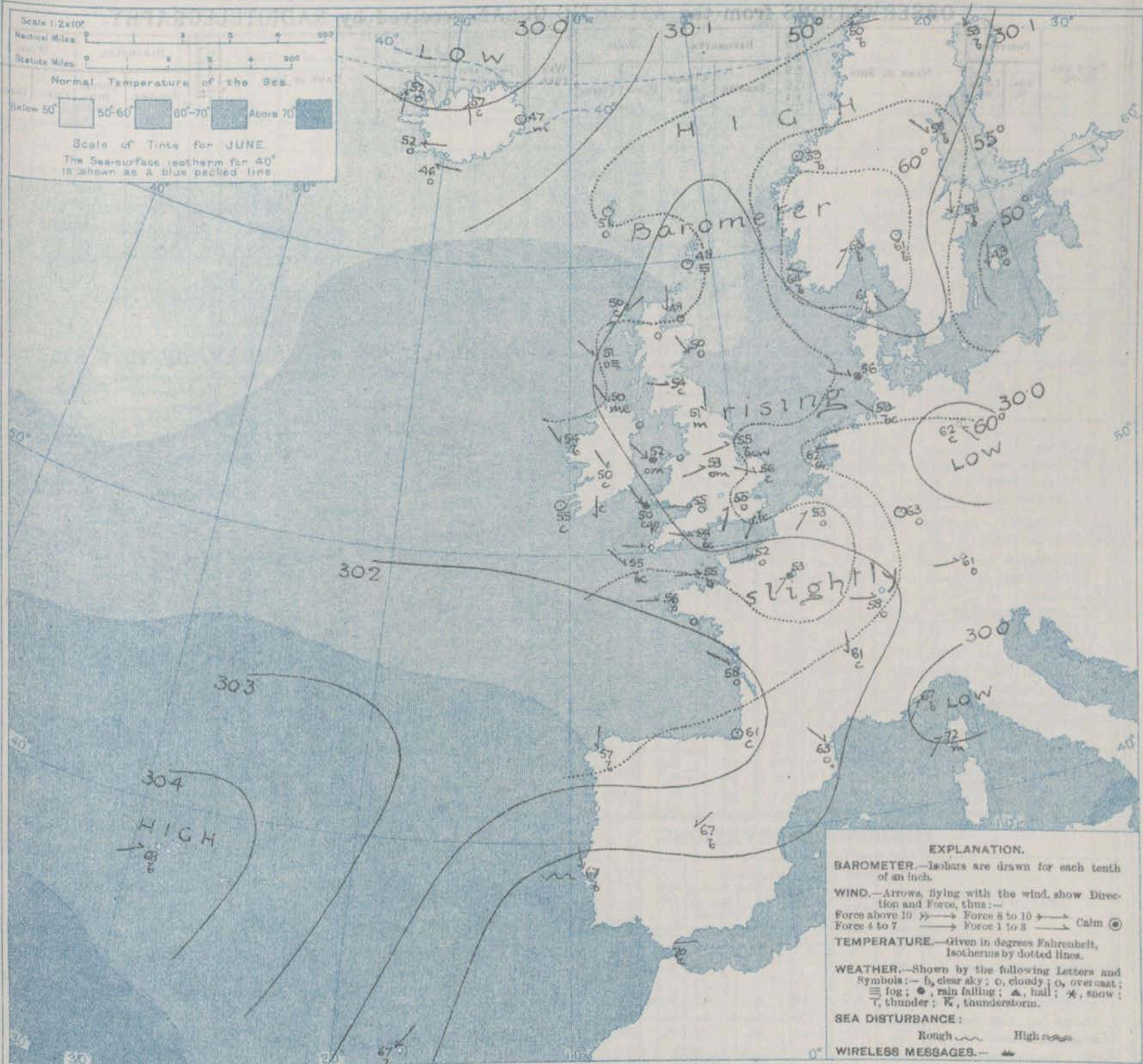
#### 11 WESTERN CHANNEL AND BAY.

Light West; breezy;  
sea slight or smooth; fair  
generally; moderate to  
rather cool temperature.

#### THE FURTHER OUTLOOK.



# SYNOPTIC CHART FOR 7 A.M. FRIDAY, 20<sup>TH</sup> JUNE 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

The highest barometer readings are shown over the south-west of France, and there is a second high pressure system over Scandinavia. The shallow depression shown yesterday over Scotland is now centred over the North Sea, but it is filling up. A second shallow depression has extended from Russia over Northern Germany.

The wind is everywhere light. Over the British Isles the dominant direction is from North or North West, South West in the extreme south-east of England. A good deal

of cloud prevails over the country as a whole, with showers or light rain locally. There is much sea fog off the north of Scotland. Over France, Germany and the south of Scandinavia there is also much cloud, with rain at Paris. The morning temperature readings range from 48° at Wick to 58° at Clacton-on-Sea. Over the Continent readings are generally somewhat lower than yesterday the values being but little above 60° over the greater part of our area, while at many stations they are below this figure. The sea is slight or smooth generally.



## DAILY WEATHER REPORT.

Friday 20th June 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 6pm	43	15	Olympic	H	30.29	.00	W	4-5	o										
" 7am	50	23	Montfort	H	29.91	+0.5	SSW	4-5	f	19th 7am	51	16	Royal George	O	29.95	-.06	SW	4-5	c
" "	48	22	Olympic	H	30.18	+0.1	WSW	4-5	m	" "	51	14	Arabic	O	30.10	+0.2	S	1-2	c

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

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.	Oban	0.02	60	51	c o	bc	0.7	England, S.E.	Margate	0.01	69	55	b	b o	7.6
	Stonehaven	0.01	60	51	c or	or	0.2		Ramsgate	0.01	69	55	*	*	10.4
	St. Andrews	0.20	58	53	od rg	og	0.0		Folkestone	0.01	69	52	b. bc	bc o	10.4
	Carnoustie	0.16	56	51	.	.	0.4		Littlestone	0.01	69	52	*	*	10.4
England, N.E.	Harrogate	0.01	59	51	c b bc	bc c o	5.6	England, S.W.	Hastings	0.01	65	54	b bc. b	b	8.3
	Scarborough	"	65	54	c b	c b	5.3		Bexhill-on-Sea	0.01	64	53	c. o. bc	bc o. bc	9.4
England, N.W.	Blackpool	0.14	57	52	o c	p o	0.3	England, S.W.	Eastbourne	0.01	61	55	b bc	b bc	9.4
	Southport	0.05	58	51	cp r bc	bc o	1.2		Seaford	0.01	61	55	e	p. c. b. bc	7.4
	Buxton	0.05	58	49	bc	bc p	*		Brighton	0.01	62	55	o. c. bc c	c. bc c	7.4
	Leamington Spa	"	66	51	c	c	9.3		Worthing	0.01	63	55	bc	bc c	8.2
Wales.	Douglas	"	"	"	"	"	8.3	England, S.W.	Littlehampton	0.01	69	55	*	*	7.3
	Rhyl	0.06	61	52	*	*	3.5		Southsea	0.05	64	54	bc. or c. b	c. b. r. c	7.4
	Colwyn Bay	0.04	61	50	bc	bc p bc o	4.2		Bournemouth	0.50	64	55	bc. or	o. c	7.4
	Llandudno	0.09	61	51	c	p	3.1	England, S.W.	Exmouth	"	66	49	bc. bc	bc	10.8
England, E.	Bettws-y-Coed	"	"	"	"	"	4.5		Weymouth	"	65	51	bc p	bc	10.4
	Aberystwyth	0.09	58	53	r. o. c	c. bc	4.5		Teignmouth	"	68	51	bc	bc	10.4
	Lowestoft	"	69	55	c. bc. o. c	c	10.0		Torquay	"	65	47	bc p bc	bc	10.4
England, E.	Felixstowe	"	69	58	bc	bc	11.4	England, S.W.	Paignton	0.03	66	47	bc p bc	bc	10.4
	Walton-on-Naze	"	68	57	bc	bc	10.8		Ilfracombe	0.03	59	54	bc	bc c	11.0
England, E.	Southend-on-Sea	"	68	50	b	b	10.0		Weston-super-Mare	"	62	53	b	b	11.0

## 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 Obey.) ...	% 45	% 76	F.° 73	F.° 50	F.° 42	0.20	b	b	b.c.p.0	11.1	Dublin to 4 p.m.	In. 0.25	F.° 62	F.° 50	F.° 48	c	cp	c.p.c	11.1	
City (Bunhill Row) ...	"	"	"	"	"	"	"	"	"	9.8	Plymouth to 9 p.m.	"	"	64	50	44	bc	bc	bc	2.5
Westminster (St. James's Pl.)	54	76	68	52	45	0.09	bc	bc	r. bc	10.2	Darwen	0.14	56	49	48	bc. or	cp. bc	bc. cp	3.5	
Camden Sq. (Brit. Rainfall)	48	64	74	52	50	"	bc	c.0	bc.0	10.5	Manchester "	0.03	61	53	"	cp	cp	bc. cp	"	
Hampstead (Reservoir) ...	"	72	67	50	45	"	bc	bc	cp.0	11.1	Birmingham "	"	"	66	52	48	c. o. c	c	cp. o. c	"
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.									Oxford to 8 p.m.	"	66	52	48	c. o. c	c	cp. o. c	"
			Total.		Mean Rate.		Max. Rate.				S. Kensington		72	56	54	c	c. bc	bc. c		
S. Kensington (Roof of M.O.)	S8	76	1903 Joules.		32 Milliwatts.		36 Milliwatts.		10.2	(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

20th & 21st June 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 3.31 3.31	G.M.T. 11.54 11.54	G.M.T. 8.17 8.17
Greenwich	3.44 3.44	12.1 12.1	8.18 8.18
Wick	3.7 3.7	12.13 12.13	9.19 9.19
Valencia	4.22 4.22	12.42 12.42	9.2 9.2

## NOTES ON YESTERDAY'S WEATHER.

Rain has fallen in most parts of the country and at some northern stations the amounts were large, Glasgow 0.84 in. Temperature touched 69° at stations near the Thames Estuary, but in many places the maxima were below 60°. Bright sunshine ranged up to 10 or 11 hours in the south and south east, in the north the values were considerably smaller.

NOTE.—The information relating to weather is indicated by the following letters—b, blue sky; bc, sky half clouded; c, sky three parts clouded; d, drizzling rain; e, wet air, without rain falling; f, fog; g, gloom; h, hail; l, lightning; m, mist; o, overcast sky; p, passing showers; q, squalls; r, rain; s, snow; t, thunder; u, ugly, threatening sky; v, visibility, unusual transparency; w, dew; x, hoar frost; z, dust-haze, or smoke.

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



1913.

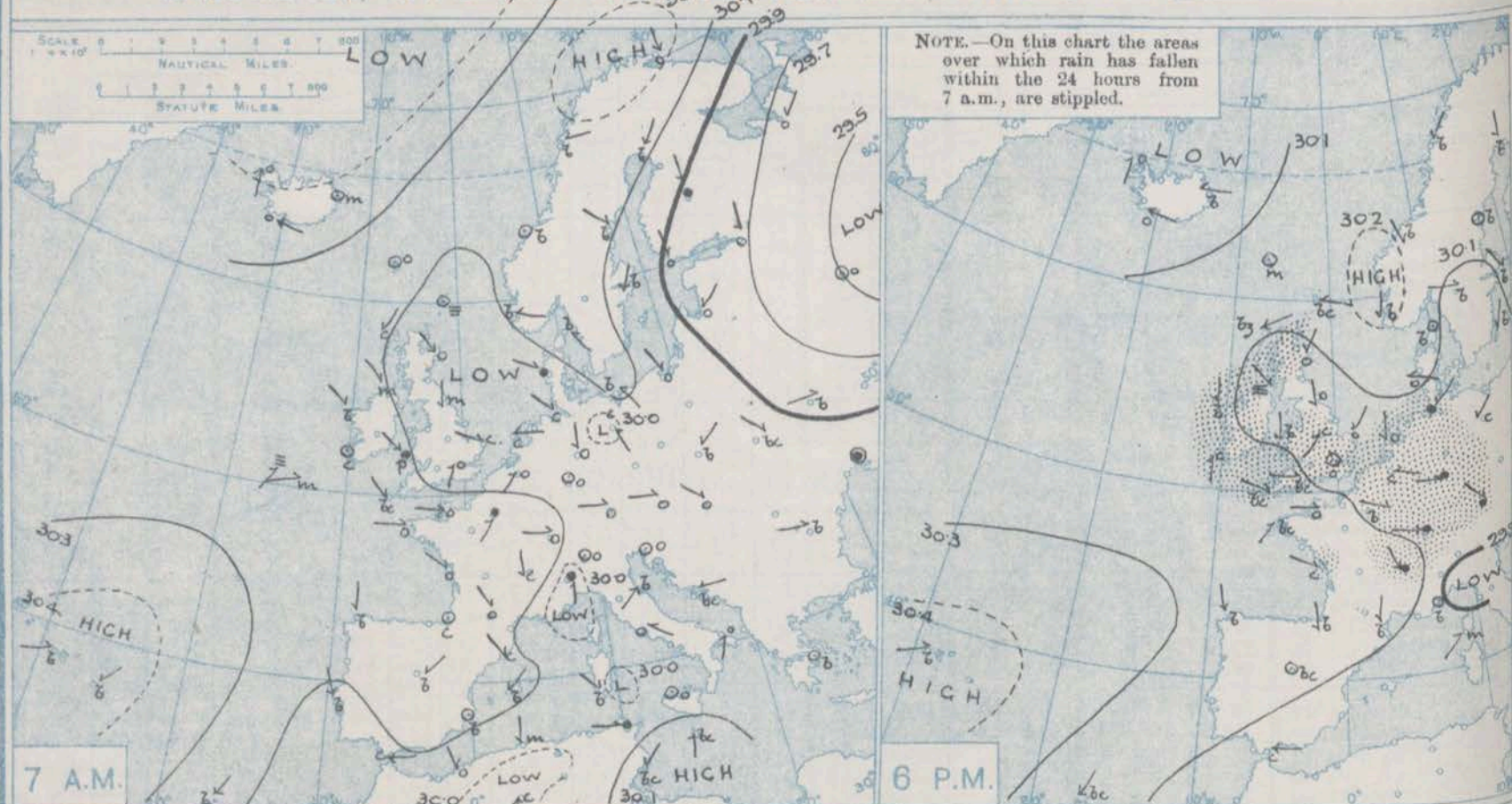
## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Saturday  
21st June 1913.

STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Show- ers for Yester- day.
		BAROM.		TEMP.		WIND.	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.					
		At 32° Fahr. and M.S.L. Lat. 45°.		Dry Bulb.	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.	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'o. 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.		
		In.	F.																				In.	
Lerwick ... ..		30.14	58	ESE	2	bc	30.15	00	50	+2	SE	2	f	1	-	62	48	f. bc	c. bc	f	bc	12.8		
Stornoway ... ..		30.10	53	ENE	5	by	30.03	-0.2	48	-2	E	2	f	2	-	61	46	c. by	by	bc. of	bc	8.2		
Castlebay (Barra Isd.)		30.08	56	NW	3	b	30.03	+0.1	51	0	S	3	om	3	-	58	48	of. om	om. b	bc. om	bc	0.4		
Glasgow ... ..		30.07	58	ESE	2	o	30.07	00	52	-1	E	1	o	*	0.13	62	50	o	c	c	bc	0.4		
Malin Head ... ..		30.09	52	NW	1	fe	30.01	00	52	+2	SW	2	cm	1	0.03	54	50	f	f	f	bc	*		
Blackod Point ... ..		30.11	58	N	1	b	29.98	-0.1	56	+2	SW	1	r	1	0.20	60	51	by	by	c	bc	*		
Valencia ... ..		30.11	61	S	1	c	30.02	+0.1	56	+1	WSW	3	r	3	0.28	62	55	c	c	c	bc	6.8		
Roche's Point ... ..		30.12	60	S	3	b	30.04	*	54	+2	S	3	r	3	0.60	65	52	b	b	b	bc	*		
Birr Castle ... ..		30.09	64	N	1	c	30.01	*	55	+5	SSE	1	c	*	0.02	65	50	c	c	c	bc	1.6		
Donaghadee ... ..		30.09	55	WNW	2	b	30.06	-0.2	52	+1	SE	2	om	2	-	58	51	cg	bc	om	bc	*		
Liverpool Obsy. ... ..		30.09	56	WNW	2	o	30.09	-0.1	56	+3	-	0	bc	1	0.03	60	50	bc	b. op	bc	bc	6.1		
Holyhead ... ..		30.09	56	N	2	bm	30.07	+0.1	55	+3	S	2	ogm	1	-	58	52	o. cf	of. bc	om	bc	6.7		
Pembroke (St. Ann's Hd.)		30.13	56	WNW	1	c	30.09	-0.2	54	+4	SE	1	c	1	0.01	58	49	cap	c	c	bc	1.0		
Newquay ... ..		30.13	56	WNW	2	bc	30.11	00	53	-2	SW	1	o	2	Trace	59	48	c	bc	bc	bc	6.0		
Scilly (St. Mary's) ... ..		30.15	59	WNW	1	bc	30.10	00	55	0	NW	1	tf	2	0.32	61	51	bc	bc	bc	bc	12.0		
Jersey (St. Aubin) ... ..		30.15	57	W	3	og	30.13	*	56	+1	W	3	bc	3	-	60	50	og. c	og. c	bc	bc	1.6		
Portland Bill ... ..		30.10	58	W	3	bc	30.11	00	56	+2	NW	3	c	2	0.02	58	53	og	c. bc	bc	bc	*		
Dungeness ... ..		30.05	59	SW	3	c	30.06	00	55	-1	N	2	o	1	Trace	64	50	c. r	c	c	op	*		
Dover ... ..		30.06	56	-	0	o	30.07	*	59	+2	NNE	2	bc	2	0.49	62	50	b. r. f	b. r. f	o. c. b	o. c. b	5.9		
Wick ... ..		30.10	52	NNE	2	o	30.08	-0.1	50	+2	SE	4	c	4	Trace	54	48	cy bc	bc. omf	cm	cm	*		
Nairn ... ..		30.07	56	ENE	2	c	30.06	*	50	-2	-	0	o	1	0.03	61	48	bc	tl. bc	og	og	7.0		
Aberdeen ... ..		30.07	54	NE	3	o	30.11	00	52	+2	SE	2	o	2	-	60	50	o	o	of	of	0.1		
Leith ... ..		30.05	58	NW	2	c	30.08	00	51	-3	NNE	2	o	*	0.01	60	50	c. o	op. c	om	om	*		
North Shields ... ..		30.09	52	N	2	o	30.10	00	54	+3	S	1	og	2	-	56	50	om. o	o	o. c	o. c	1.1		
Spurn Head ... ..		30.07	57	ESE	2	bc	30.10	00	55	0	ENE	2	bc	3	-	62	49	c	bc	bc	bc	6.5		
Yarmouth ... ..		30.07	58	NE	2	o	30.09	00	53	-3	N	1	c	1	-	60	53	c	c. o	bc. c	bc. c	0.9		
Clacton-on-Sea ... ..		30.05	57	WNW	1	o	30.06	00	55	-3	NW	1	bc	0	0.11	63	52	bc. p. c	cl. p. o	o. c. b	o. c. b	6.6		
Nottingham ... ..		30.05	61	SW	1	c	30.09	*	50	-3	SE	1	omw	*	-	63	42	ogm	om. c	cm	cm	0.1		
Bath ... ..		30.08	60	W	1	c	30.10	*	55	0	W	1	o	*	-	62	52	cap	cap	-	-	1.6		
London (Kew Obsy.) ... ..		30.06	57	-	0	o	30.11	00	51	-4	-	0	bc	*	0.16	63	46	o. c.	cl. p. o	o. c. b	o. c. b	1.5		
Spitzbergen ... ..		30.00	62	S	2	o	30.01	-0.2	47	-5	-	0	o	*	*	*	*	*	*	*	*	*		
Isafjord ... ..		30.00	56	S	5	c	29.97	-0.4	51	-1	E	2	o	*	*	*	*	*	*	*	*	*		
Reykjavik ... ..		30.02	47	ESE	6	o	29.93	-0.4	47	+1	E	2	o	1	*	*	*	*	*	*	*	*		
Vestmanna ... ..		30.02	65	E	1	b	30.00	-0.1	48	+1	-	0	bc	*	*	*	*	*	*	*	*	*		
Seydisfjord ... ..		30.13	51	-	0	m	30.07	-0.2	49	-2	-	0	f	*	*	*	*	*	*	*	*	*		
Thorshavn ... ..		30.10	58	N	2	b	30.10	-0.2	57	+4	N	4	b	*	-	68	43	bc	bc	bc	bc	*		
Haparanda ... ..		30.17	55	-	0	b	30.12	-0.2	59	+1	S	2	b	*	-	59	39	bc	bc	bc	bc	*		
Hernösand ... ..		30.10	53	NW	2	b	30.10	-0.1	58	+3	NNW	2	b	*	-	63	43	bc	bc	bc	bc	*		
Stockholm ... ..		30.10	49	NNE	2	b	30.08	00	51	+2	N	2	b	*	-	55	45	bc	bc	bc	bc	*		
Wisby ... ..		30.08	65	W	2	b	30.10	00	62	+1	E	2	b	*	-	73	57	bc	bc	bc	bc	*		
Karlstad ... ..		30.11	63	SW	4	b	30.10	00	64	+1	SW	2	b	1	-	64	59	bc	bc	bc	bc	*		
Färder (Xtania Fjord)		30.19	54	NE	1	b	30.15	-0.1	50	0	N	1	b	1	-	54	43	bc	bc	bc	bc	*		
Bodö ... ..		30.18	57	NW	1	b	30.18	+0.1	54	-5	-	0	b	2	-	64	48	bc	bc	bc	bc	*		
Christiansund ... ..		30.22	61	N	1	b	30.16	-0.1	61	-3	-	0	b	0	-	61	54	bc	bc	bc	bc	*		
Skudesnaes ... ..		30.14	61	-	0	b	30.14	00	63	+2	W	1	b	0	-	72	54	bc	bc	bc	bc	*		
The Scaw (Skagen) ... ..		30.12	58	ESE	1	o	30.10	00	64	+8	SE	2	o	1	0.08	64	54	bc	bc	bc	bc	*		
Blauvands Huk ... ..		30.07	60	NE	2	r	30.06	00	58	-1	SE	2	r	0	0.08	64	57	bc	bc	bc	bc	*		
Cuxhaven ... ..		30.08	57	NNE	2	o	30.07	00	57	-5	N	3	o	1	0.71	64	54	bc	bc	bc	bc	*		
The Helder ... ..		30.06	57	ESE	1	c	30.06	00	53	0	WNW	1	o	*	0.20	63	48	bc	bc	bc	bc	*		
Brussels ... ..		30.03	68	NE	3	c	30.04	-0.1	60	-2	E	3	bc	*	-	72	54	bc	bc	bc	bc	*		
Berlin ... ..		30.06	57	W	1	r	30.04	+0.1	55	-8	SW	1	r	*	0.32	72	54	bc	bc	bc	bc	*		
Frankfurt ... ..		30.02	57	NW	3	r	30.06	+0.1	50	-11	W	5	r	*	1.30	64	48	bc	bc	bc	bc	*		
Manich ... ..		30.06	57	W	3	c	30.06	+0.1	57	+2	NE	3	bc	2	-	63	55	bc	bc	bc	bc	*		
C. Gns Nez ... ..		30.12	56	WNW	2	bc	30.10	*	55	+3	WNW	2	o	2	-	63	48	bc	bc	bc	bc	*		
La Hève ... ..		30.19	60	SW	1	bc	30.18	+0.1	55	-1	WSW	2	o	2	-	63	52	bc	bc	bc	bc	*		
Brest (St. Mathieu) ... ..		30.17	57	WSW	3	o	30.15	*	53	-3	N	1	o	1	-	61	50	bc	bc	bc	bc	*		



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 20<sup>TH</sup> JUNE.



GENERAL INFERENCE

## WEATHER PROSPECTS.

The changes in pressure in the general distribution is likely to continue very slight, and little modification occur during the ensuing twenty-four hours.

### FORECASTS FOR THE 24 HOURS NOON SATURDAY TO NOON SUNDAY.

0 {  
a  
b  
1 } Wind between South and East, light or moderate; a good deal of cloud generally, some rain locally, fog or mist in places on coast; temperature rather low.

2 {  
a  
b  
3 } Light variable winds; changeable weather, mostly fair, some rain locally; little change of temperature.

4 {  
a  
b  
5 } Wind light, rather variable, mainly between West and South; changeable, fair generally; rather cool air.

#### 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  
8 } Light variable or southerly winds; changeable, some rain, considerable fair intervals; temperature changing little.

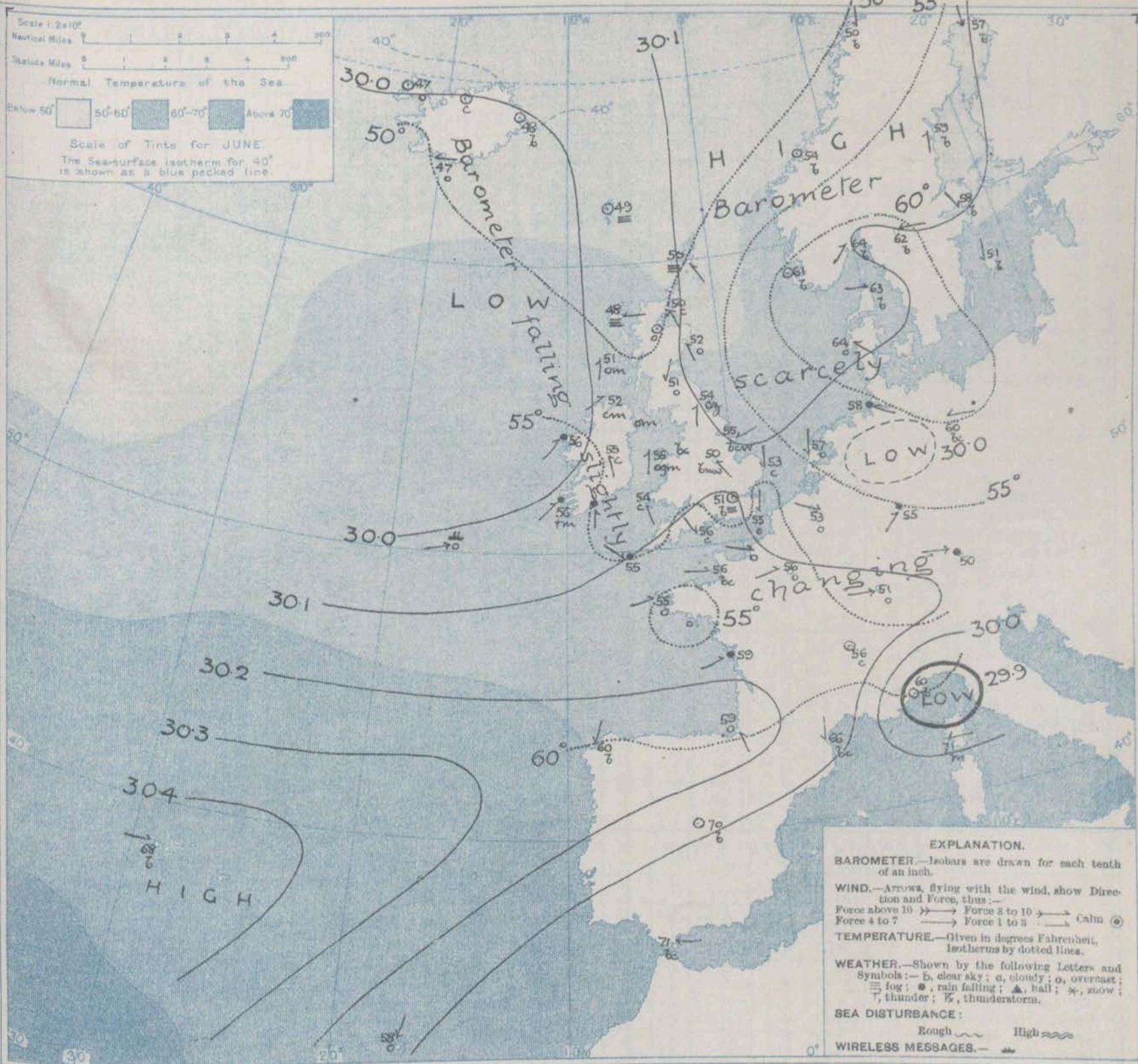
9 {  
a  
b  
10 } Wind mainly southerly, light or moderate; a good deal of cloud, some rain-mist in west-mist or fog locally on coast; temperature changing little.

11 WESTERN CHANNEL AND BAY. Easterly or South-Easterly winds, moderate; sea slight or smooth; some mist or fog; otherwise fair generally.

THE FURTHER OUTLOOK.



SYNOPTIC CHART FOR 7 A.M. SATURDAY, 21<sup>ST</sup> 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure is above 30.4 in. in the Azores, and above 30.1 in. over the north sea and Scandinavia, while it is below 30 in. in Iceland and on the Atlantic to the westward of these Islands, and relatively low over Ireland, England, the Netherlands and Germany.

The wind is mainly from some  
88 easterly point over France and the Channel  
region, southerly in Ireland, and from  
between South and East in Scotland. In  
force it is very light in almost all districts.  
Temperature has changed little over this country

and ranges from  $59^{\circ}$  at Dover, to about  $50^{\circ}$  in Scotland and at some places in Central England. Generally there is a good deal of cloud over the United Kingdom, France and Central Europe, and rain is falling at some Irish and German stations, as well as at Rochefort. Fog prevails at Scilly, Stornoway and Lerwick. Fine bright weather is reported over Scandinavia.

Fine bright weather is reported over Scandinavia.



## DAILY WEATHER REPORT.

Saturday, 21st June, 1913.

## OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
21st 7am	50	16	Cedric	O	30.04	-0.01	WSW	4-5	o
20th 7am	50	16	Montreal	H	30.17	+0.02	SSW	1-3	f
	50	15	Oceanic	O	30.13	-0.02	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.
		Max.	Min.	Forenoon.	Afternoon.	
Scotland.	In.	F.	F.			Hr.
Oban ...	-	60	47	bc	bc	9.7
Stonehaven ...	0.49	59	48	bc	cy	0.8
St. Andrews ...	0.13	58	50	o	o.c	0.0
Carnoustie ...	0.01	58	49			0.2
Eng. N.E.						
Harrogate ...	-	63	47	c.b.c	b.b.c.c	2.2
Scarborough ...	-	61	50	o.c	o.c	4.9
England, N.W.						
Blackpool ...	0.04	64	51	c.o	op	5.4
Southport ...	0.06	51	51	bc.b.o	bc.o	6.0
Buxton ...	0.18	58	47	c	bc.o	1.2
Leamington Spa ...	-	61	50	c	o	0.1
Douglas ...	0.27	61	49	o.c	bc.o	3.0
Malvern ...	0.26	61	50	*	*	3.8
Rhyl ...	0.58	61	49	bc.b	b	6.0
Colwyn Bay ...	0.64	63	50	c	b	7.8
Llandudno ...	-	58	50	r.o.c	c.b	3.0
Bettws-y-Coed ...	-	60	51	c.o	op	2.0
Aberystwyth ...	0.72	62	49	bc.m	cm.o	3.6
Wales.						
Lowestoft ...	-	62	48	cm	cy	5.8
Felixstowe ...	0.17	67	50	p	p	2.5
Walton-on-Naze ...	-	60	51	c.o	op	2.0
Southend-on-Sea ...	-	62	48	cm	cy	5.8
England, E.						
Margate ...	-	66	51	t.b	b	3.3
Ramsgate ...	-	63	49	*	*	1.2
Folkestone ...	0.06	60	50	bc.or	r.o.b.o	2.6
Littlestone ...	-	61	49	bc.bly	o	3.9
Hastings ...	0.76	61	49	c.r.ct.c	o.b.c.rg	3.5
Bexhill-on-Sea ...	0.29	61	54	o.b.c	o.b.c.r	3.5
Eastbourne ...	0.08	61	55	o.b.c	o.b.c.r	3.5
Seaford ...	0.18	62	51	r.c	c.r	3.5
Brighton ...	0.14	62	52	c.op.o	c.o	3.5
Worthing ...	0.69	61	49	o	*	3.5
Littlehampton ...	0.39	61	48	*	*	3.5
Southsea ...	-	63	53	c.b.c	c.b	3.5
Bournemouth ...	-	61	49	o.c	c.o	3.5
England, S.E.						
Exmouth ...	0.02	62	52	p.o.c	bc.c	3.5
Weymouth ...	0.19	60	52	r.p.o	o.c	3.5
Teignmouth ...	0.06	61	52	c	bc.b	3.5
Torquay ...	0.12	60	52	o	o.b	3.5
Paignton ...	0.11	60	51	p.o.c	bc	3.5
Ilfracombe ...	0.03	57	52	o	o	3.5
Weston-super-Mare ...	0.28	60	50	c.b.c	bc.c	3.5

## LONDON OBSERVATIONS.

## Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain- fall.	WEATHER.			Sun- shine for Yester- day.	STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.					
	1 p.m. Yester- day.	9 a.m. To- day.	In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.				In.	F. °	F. °	F. °	Night	Fore- noon.	After- noon.		
			Max.	Min.		Night Min. on Grass.														Night	Fore- noon.
			34 HOURS ENDED 9 A.M. TO-DAY.	Max.	Min.																
Greenwich (Royal Obs.) ...	%	%	F. °	F. °	F. °	In.				Hr.	Dublin to 4 p.m.	In.	F. °	F. °	F. °						
City (Bunhill Row) ...	71	70	69	44	35	0.11	c. bc	c. or	o. f	3.3	Plymouth to 9 p.m.	0.12	60	50	49	r. og	o	o.			
Westminster (St. James's Pl.)	"	"	"	"	"	"	"	"	"	1.2	Darwen	0.04	61	53	49	bc	or	or			
Camden Sq. (Brit. Rainfall)	70	74	66	50	45	0.05	bc. r	bc. r	bc	2.6	Manchester "	0.17	62	48	47	or. w	or. bc	bc. og			
Hampstead (Reservoir) ...	51	59	70	47	47	0.13	o. c	bc. or	c. b	3.9	Birmingham "	"	"	"	"	"	"	"			
Kew. (See front page.)	"	69	65	49	40	0.03	op	bc. op	bc	3.5	Oxford to 8 p.m.	0.01	62	48	46	o	o	o			
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.												0.01	64	51	48	c. o	or	op. bc			
Total.			Mean Rate.			Max. Rate.															
S. Kensington (Roof of M.O.)	65	70	1282 Joules.			21.5 Milliwatts.			92. Milliwatts.	1.8	S. Kensington (Museum Grounds to 6 p.m.)	0.05	65	51	47	og. c	op. c	c. op. og			

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

21st & 22nd June 1913.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	3.31	11.54	8.17
	3.32	11.55	8.18
Greenwich ...	3.44	12.1	8.18
	3.45	12.2	8.19
Wick ...	3.7	12.13	9.49
	3.8	12.14	9.20
Valencia ...	4.22	12.42	9.2
	4.23	12.43	9.3

During yesterday temperature rose to a little above 60° in most parts of these Islands, and touched 67° at Southend-on-Sea. Rain fell in several localities, and in some places was accompanied by thunder and lightning, and the condition of the sky varied greatly. Storms recorded 12.8 hours of bright sunshine, Scilly 12 hours and some places in Wales about 8 hours. In the south west, south and east most of the records were much smaller.

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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1913.

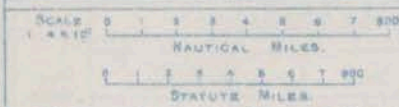
## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Sunday  
22nd July 1913.

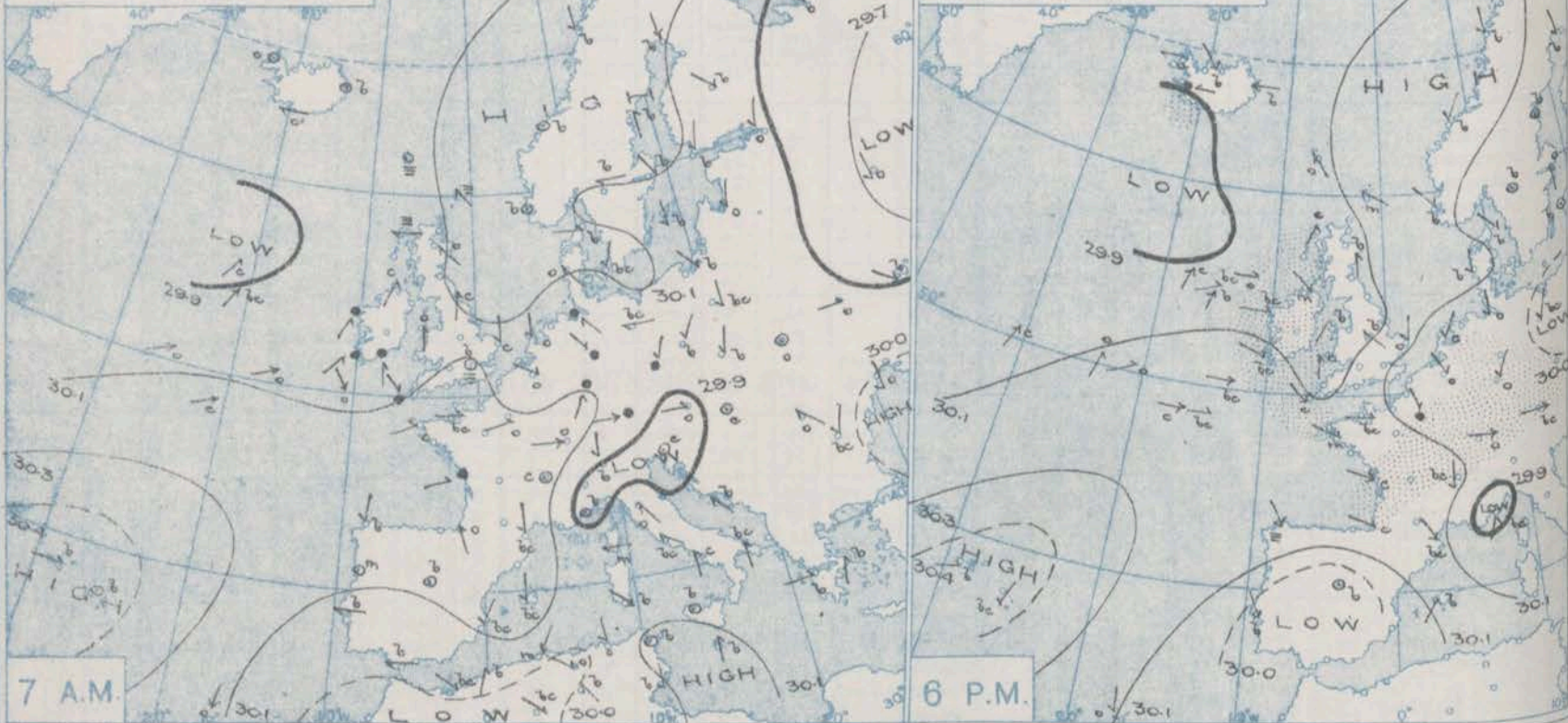
STATIONS.	YESTERDAY EVENING.						THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shine for yester- day.
	BAROM.		TEMP.		WIND.		BAROMETER.		TEMP.		WIND.		Force (0 to 12).	Weather.	Sea (0 to 3).	Rain- fall.	TEMP.		WEATHER.				
	At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Dew Point.	Force (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 ... ..	In. 30.15	F. 51	SE	2	m	In. 30.12	In. 00	F. 48	-2	SE	1	f	0	0	0	0.07	55	45	cm	cm	f	Hours 5.1	
Stornoway ... ..	30.03	59	SW	3	c	30.08	+0.02	51	+3	W	2	0	2	0	0.18	57	48	bcg	bcg	cop	2.8		
Castlebay (Barra Isd.)	30.01	55	SE	2	om	30.09	00	58	+2	S	2	0	2	0	0.03	63	52	c	c. br	c. br	1.8		
Glasgow ... ..	30.07	57	W	1	0	30.11	00	52	+1	-	0	0	0	0	0.03	67	48	em	md	cg	0.5		
Malin Head ... ..	30.02	52	NW	3	md	30.10	+0.02	52	0	SW	1	c	1	0	0.05	58	50	om	bcg	bc	0.5		
Blackod Point ... ..	30.07	56	W	2	bc	30.14	+0.01	52	-1	W	2	0	1	0	0.29	62	52	mdc	bc	c	0.8		
Valencia ... ..	30.13	57	WNW	3	bc	30.18	+0.02	54	-2	SW	3	0	1	0	0.01	61	50	fd	0	bc	0.0		
Roche's Point ... ..	30.08	58	N	3	0	30.18	0	54	0	WNW	1	bc	1	0	0.02	58	46	m	0	c	0.0		
Birr Castle ... ..	30.06	55	W	2	0	30.14	0	52	-3	S	1	c	0	0	0.02	61	50	c	bc	omg	0.0		
Donaghadee ... ..	30.05	57	SSW	2	bc	30.13	+0.03	51	-1	WNW	1	cp	1	0	0.06	61	50	c	bc	omg	0.0		
Liverpool Obsy. ... ..	30.09	59	NW	1	bc	30.14	+0.01	56	0	-	0	0	1	0	0.03	66	51	bc	bc	c	0.0		
Holyhead ... ..	30.09	58	SW	2	bm	30.14	+0.02	53	-2	N	1	od	0	0	0.03	62	51	omg	a. cm	cm	0.5		
Pembroke (St. Ann's Hd.)	30.09	55	S	2	c	30.15	+0.03	53	-1	WNW	3	c	2	0	Trace	59	52	c	c	ef	0.5		
Newquay ... ..	30.09	56	SSW	1	0	30.19	0	55	+2	NNW	2	0	2	0	0.16	60	52	or	0. cm	m	0.0		
SCOTLAND.																							
Scilly (St. Mary's) ... ..	30.10	56	NW	4	cm	30.23	+0.02	58	0	NW	3	bc	3	0	0.13	60	51	r f	cm	bc	0.5		
Jersey (St. Aubin) ... ..	30.16	59	W	3	bc	30.23	0	56	0	WSW	3	0	3	0	0.02	61	47	0	bc	c	0.3		
Portland Bill ... ..	30.11	56	W	3	bc	30.18	+0.02	55	-1	WSW	3	f	3	0	0.02	58	54	bc	bc	bc	0.5		
Dungeness ... ..	30.09	59	ESE	1	b	30.16	+0.01	60	+5	ESE	1	bc	1	0	0.02	63	47	cp	c. bc	cm	0.5		
Dover ... ..	30.09	61	NE	3	bc	30.18	0	62	+3	NW	1	b	2	0	0.02	66	46	bc	bc	bc	0.5		
ENGLAND.																							
Wick ... ..	30.04	53	SE	4	bc	30.06	00	53	+3	S	2	bc	3	0	Trace	54	47	c. bc	bc	bc	0.5		
Nairn ... ..	30.02	67	W	1	c	30.05	0	58	+8	NE	1	bc	1	0	Trace	67	49	bcg	cg	bcg	0.5		
Aberdeen ... ..	30.09	57	SSE	2	b	30.08	00	60	+8	SW	1	b	2	0	0.02	60	48	om	o. c	bc	0.5		
Leith ... ..	30.06	58	-	0	c	30.09	+0.01	57	+6	-	0	b	2	0	0.02	64	48	o. c	bc	b	0.5		
North Shields ... ..	30.09	58	E	3	c	30.13	00	56	+2	-	0	c	2	0	0.02	63	53	c	c	c	7.0		
Spurn Head ... ..	30.10	58	ESE	3	bc	30.15	+0.01	60	+5	S	1	bc	1	0	0.02	60	52	b	f	f. bc	10.7		
IRELAND.																							
Yarmouth ... ..	30.12	58	N	1	0	30.17	+0.01	57	+4	N	1	c	1	0	0.02	63	50	bc	bc	o. bc	4.0		
Clacton-on-Sea ... ..	30.10	60	-	0	0	30.16	+0.01	61	+6	E	1	b	0	0	0.02	63	50	bc	c. o	o. bc	3.9		
Nottingham ... ..	30.08	67	ESE	2	b	30.15	0	56	+6	S	1	bc	0	0	0.02	71	48	bc	bc	bc	11.5		
Bath ... ..	30.10	66	-	0	0	30.17	0	58	+3	W	1	0	0	0	0.02	69	48	-	-	-	2.0		
London (Kew Obsy.) ... ..	30.09	66	NE	1	b	30.18	+0.01	53	+2	-	0	bc	0	0	0.02	68	48	bc	bc	bc	5.7		
NORTH AMERICA.																							
Spitzbergen ... ..	29.82	35	SE	5	0	29.76	-0.01	35	0	W	1	0	0	0	0.02	26	32	-	-	-	0.0		
Isafjord ... ..	29.97	53	E	2	0	29.94	-0.01	47	0	S	2	bc	0	0	0.02	47	32	-	-	-	0.0		
Reykjavik ... ..	29.93	52	E	3	r	29.90	00	50	-1	E	1	r	0	0	0.02	47	32	-	-	-	0.0		
Vestmanna ... ..	29.88	46	SE	4	r	29.84	+0.01	38	-9	E	5	0	1	0	0.02	47	32	-	-	-	0.0		
Seydisfjord ... ..	29.98	62	E	4	b	30.00	-0.01	47	-1	-	0	b	0	0	0.02	47	32	-	-	-	0.0		
Thorshavn ... ..	30.06	51	SE	2	0	30.06	+0.01	49	0	-	0	0	0	0	0.02	47	32	-	-	-	0.0		
SCANDINAVIA.																							
Haparanda ... ..	30.07	59	N	2	b	30.18	-0.01	58	+1	NE	2	b	0	0	0.02	64	46	-	-	-	0.0		
Hernösand ... ..	30.05	59	-	0	b	30.14	+0.03	59	0	-	0	b	0	0	0.02	64	46	-	-	-	0.0		
Stockholm ... ..	30.06	54	S	2	b	30.06	+0.01	59	+1	NW	2	0	0	0	0.02	68	48	-	-	-	0.0		
Wisby ... ..	30.06	52	-	0	b	30.06	+0.02	57	+6	NNW	2	b	0	0	0.02	63	41	-	-	-	0.0		
Karlstad ... ..	30.02	67	-	0	b	30.04	00	62	0	-	0	c	0	0	0.02	79	55	-	-	-	0.0		
Færder (X'ian's Fjord)	30.02	63	WSW	1	b	30.04	+0.01	56	-8	-	0	b	1	0	0.02	66	56	-	-	-	0.0		
Bodö ... ..	30.17	54	N	1	b	30.15	00	53	+3	N	1	b	1	0	0.02	54	41	-	-	-	0.0		
Christiansund ... ..	30.18	56	NE	1	b	30.10	00	50	-4	NE	3	b	3	0	0.02	59	48	-	-	-	0.0		
Skudesnaes ... ..	30.11	62	NW	2	b	30.09	00	57	-1	W	2	b	1	0	0.02	64	52	-	-	-	0.0		
The Scaw (Skagen) ... ..	30.08	59	NW	3	b	30.08	+0.01	63	0	WSW	1	b	1	0	0.02	70	54	-	-	-	0.0		
Blaavands Huk ... ..	30.12	59	N	1	b	30.15	+0.01	65	+1	N	1	b	1	0	0.02	68	55	-	-	-	0.0		
GERMANY, &c.																							
Cuxhaven ... ..	30.06	63	N	1	b	30.11	+0.02	62	+5	N	2	b	0	0	0.02	66	58	-	-	-	0.0		
The Helder ... ..	30.06	60	ENE	2	c	30.17	+0.01	61	+4	NNE	1	b	1	0	0.08	61	56	-	-	-	0.0		
Brussels ... ..	30.07	55	NW	1	0	30.17	+0.03	59	+6	W	1	0	0	0	0.02	65	50	-	-	-	0.0		
Berlin ... ..	29.98	66	NE	3	bc	30.04	+0.03	57	-3	NE	2	tlr	0	0	0.02	68	50	-	-	-	0.0		
Frankfurt ... ..	30.03	56	NE	1	0	30.10	+0.03	54	-1	NE	1	0	0	0	0.02	63	54	-	-	-	0.0		
Munich ... ..	30.04	51	W	1	bc	30.08	+0.01	52	+2	W	5	0	0	0	0.16	57	46	-	-	-	0.0		
FRANCE.																							
C. Gris Nez ... ..	30.10	55	NNE	4	c</																		



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 21<sup>ST</sup> JUNE



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



GENERAL INFERENCE

## WEATHER PROSPECTS.

FORECASTS FOR THE 24 HOURS NOON

Sunday

TO NOON Monday.

0 {  
a  
b

1

2 {  
a  
b

3

4 {  
a  
b

5

*None Issued.*

### FORECAST DISTRICTS.



### STORM WARNINGS.

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

Signals hoisted yesterday.	Signals hoisted this morning.
South 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

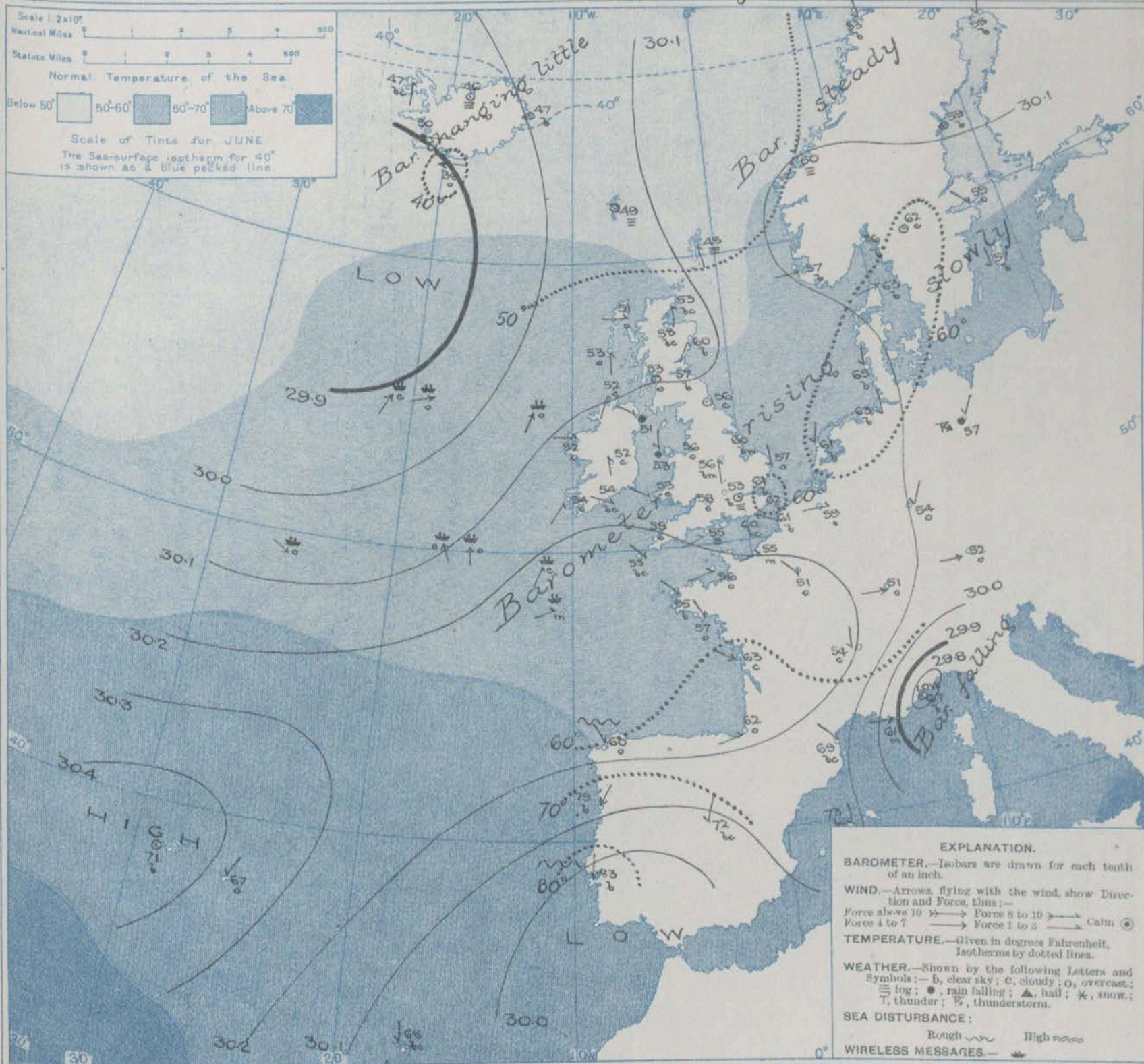
*None Issued.*

11 WESTERN CHANNEL AND BAY.

THE FURTHER OUTLOOK.



# SYNOPTIC CHART FOR 7 A.M. Sunday, 22<sup>nd</sup> JUNE 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure is above 30.4 in. in the Azores region, and relatively high thence to the east of France. Below 29.9 in. in a large depression having its centre to the southward or southwestward of Ireland, and below 29.8 in. in a small disturbance over the Gulf of Genoa.

Over these islands pressure is very uniform, and the wind is consequently very light and variable, and no general direction is reported on the Continent. According to wireless reports a light to fresh breeze between S. and S.W. prevails between the Irish coast and the 25<sup>th</sup> meridian.

Temperature has risen in most regions, but is still low for the time of year over the greater part of France and Germany. Over the United Kingdom it ranges from about 60° on the coast of Kent and at Spurn Head and Aberdeen to 51° at Donaghadee and Stornoway, and to 48° at Lerwick. Fair or bright weather is prevalent in nearly all parts of these islands and in Scandinavia, but slight rain is falling at Holyhead, and fog is reported at Portland Bill and Lerwick. At Berlin a thunderstorm is in progress.



## DAILY WEATHER REPORT.

Sunday, 22nd June, 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. G.M.T.	51	54	Det. Scout "Scotia"	-	30.05	0.00	SSW	1-3	b	21st, 6 p.m.	50	13	Montezuma	0	30.15	+0.1	W	6-7	bc
21st, 6 p.m.	50	22	Ausonia	H	30.15	+0.2	SW	1-3	o	"	55	12	Victorian	0	29.91	-0.02	W	1-3	o
"	50	20	Bedwin	0	30.13	+0.1	WSW	1-3	o	"	50	26	Ausonia	H	30.06	0.00	WSW	6-7	bc
"	55	16	Corsican	H	?	-0.1	SW	4-5	c	"	53	20	Caladonia	H	29.99	+0.1	SW	4-5	bc
"	48	16	Leiland	H	30.23	+0.1	W	4-5	c	"	54	21	Corsican	H	29.86	0.00	SW	1-3	c
"	54	16	Caladonia	H	30.07	+0.1	SW	4-5	b	"	50	11	Montezuma	0	30.06	+0.3	NW	4-5	bc
"	55	15	Lake Manitoba	0	29.91	-0.2	WSW	4-5	bc										

## 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	...	...	...	...	...	...	England, E.	Brighton	...	...	...	...	...	...
	Leamington Spa	...	...	...	...	...	...		Worthing	...	...	...	...	...	...
Wales.	Douglas	...	...	...	...	...	...		Littlehampton	...	...	...	...	...	...
	Rhyl	...	...	...	...	...	...		Southsea	...	...	...	...	...	...
	Colwyn Bay	...	...	...	...	...	...	England, S.W.	Bournemouth	...	...	...	...	...	...
	Llandudno	...	...	...	...	...	...		Weymouth	...	...	...	...	...	...
England, E.	Bettws-y-Coed	...	...	...	...	...	...		Teignmouth	...	...	...	...	...	...
	Aberystwyth	...	...	...	...	...	...		Torquay	...	...	...	...	...	...
	Lowestoft	...	...	...	...	...	...		Paignton	...	...	...	...	...	...
	Felixstowe	...	...	...	...	...	...		Ilfracombe	...	...	...	...	...	...
England, S.W.	Walton-on-Naze	...	...	...	...	...	...		Weston-super-Mare	...	...	...	...	...	...
	Southend-on-Sea	...	...	...	...	...	...								

## 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.) ...	62	62	68	47	37	-	o	o.c.	b.c.l	5.6	Dublin to 4 p.m.	-	63	55	54	o	c	c.o.	3.3	
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	6.9	Plymouth to 9 p.m.	0.02	60	48	40	c.b.	dp	bc	1.7	
Westminster (St. James's Pk.)										5.6	Darwen	0.01	64	47	45	aug.w	og.b.	b.p.o	4.2	
Camden Sq. (Brit. Rainfall)	62	65	69	49	47	-	b.b.c.	o.b.c.	b	7.1	Manchester	-	68	52	*	c	bc	c	5.0	
Hampstead (Reservoir) ...	e	68	65	53	41	-	bc	bc	bc	8.0	Birmingham	-	69	51	42	c	c	o	...	
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.									Oxford to 8 p.m.	*	71	50	44	b.c.m.	b.m.m.	com.	...
			Total.		Mean Rate.		Max. Rate.													
S. Kensington (Roof of M.O.)	64	74	1085 Joules.		18.2 Milliwatts.		53 Milliwatts.			3.2	S. Kensington (Museum Grounds to 6 p.m.)	-	67	50	39	o.c.b.c.	b.c.og	o.c.b.c.	...	

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

22nd & 23rd June, 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 3.32 3.32	G.M.T. 11.55 11.55	G.M.T. 8.18 8.18
Greenwich	3.45 3.45	12.2 12.2	8.19 8.19
Wick	3.8 3.8	12.44 12.44	9.20 9.20
Valencia	4.23 4.23	12.43 12.43	9.3 9.3

During yesterday the thermometer rose to about 70° in some parts of England, but only to 54° at Wick. Slight or moderate quantities of rain fell at several stations in the west and north of the United Kingdom, and the duration of bright sunshine varied greatly. Wireless reports show that light to fresh or strong breezes prevailed as far west as the 30th 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.

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.

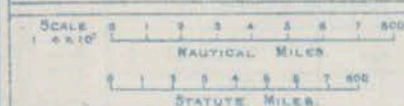
## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Monday,  
23rd June, 1913.

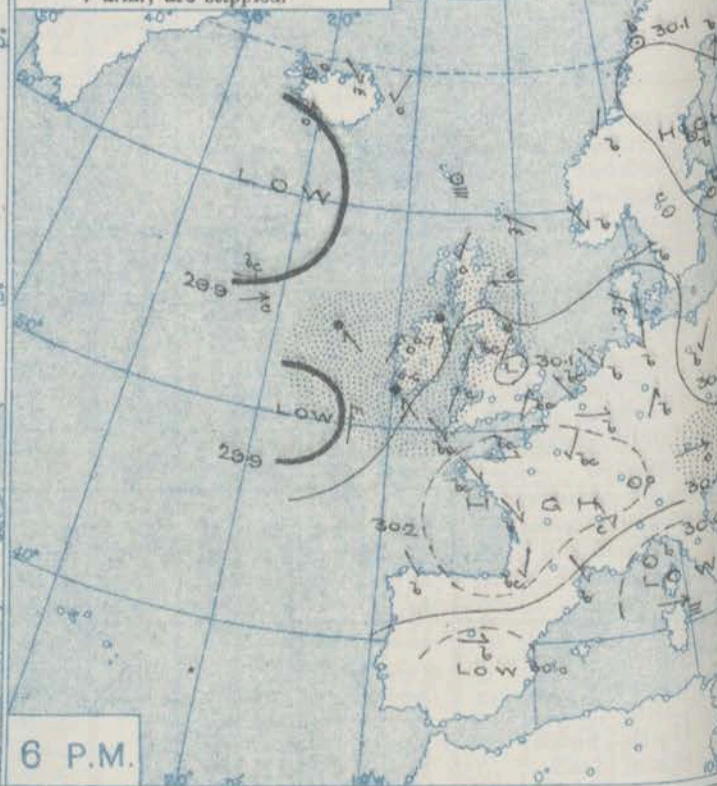
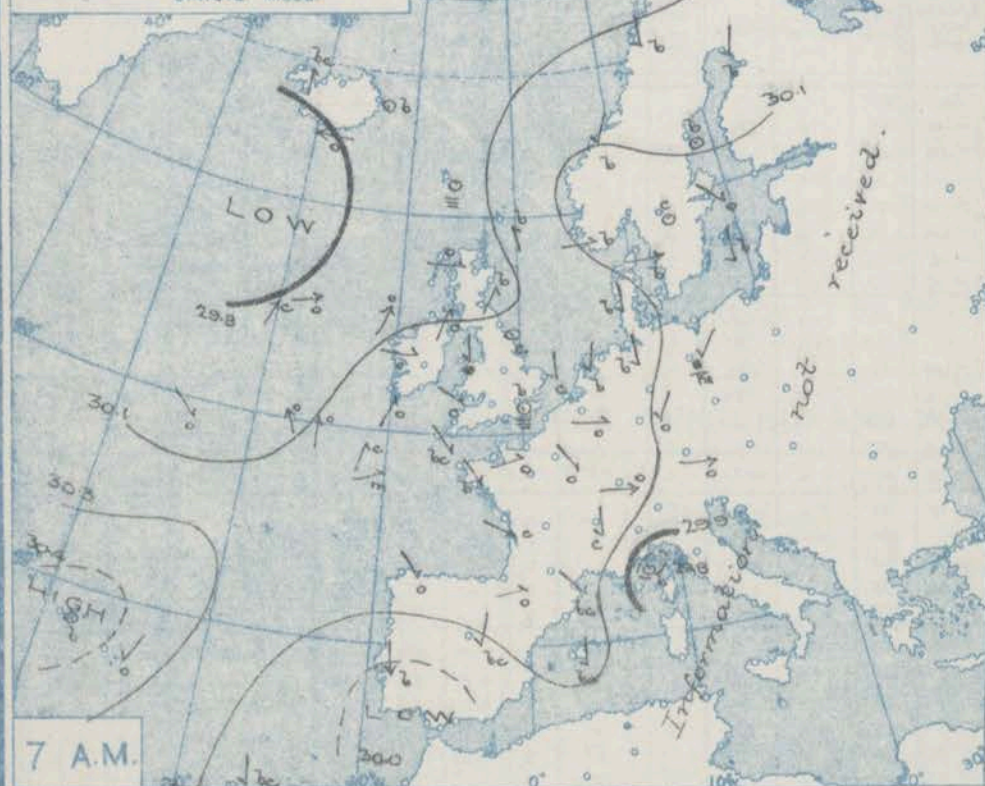
STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shining for Yester- day.	
		BAROM.		TEMP.		WIND.	Force (0 to 12).	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.				
		At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Force (0 to 12).	Dir.				At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						Dir.	Force (0 to 12).	Weather.	Max.	Min.		Morn'g. 7 a.m. to 1 p.m.
BRITISH ISLANDS.																								
Lerwick ...	...	In.	F.	...	...	...	In.	In.	F.	...	...	...	...	...	...	...	In.	F.	F.	...	...	...	...	Hours
Stornoway ...	...	30.06	52	ESE	2	m	30.03	-.01	51	+3	SSE	1	f	1	-	54	46	bm	m	f				
Castlebay (Barra Isd.)	...	30.08	54	NE	2	o	29.97	-.03	53	+2	NE	2	o	2	-	59	50	o.c	e.o	o	1.0			
Glasgow ...	...	30.09	54	SSW	2	c	29.98	-.03	52	-1	E	3	o	3	0.13	57	50	od	o	o.c	0.2			
Malin Head...	...	30.09	59	W	1	bc	29.96	-.04	51	-2	SSE	1	o	*	0.03	62	50	c	c.b.c	c.o.p	2.0			
Blacksod Point ...	...	30.09	53	SSE	2	cmd	29.79	-.08	52	0	SE	4	r	3	0.12	58	50	cdm	cdm	cdm	*			
Valencia ...	...	30.07	56	SW	2	o	29.67	-.05	54	+2	SSW	2	o	2	0.06	58	50	ompy	o.c	om	*			
Roche's Point ...	...	30.03	54	SE	3	fm	29.78	+0.02	53	-1	WSW	7	om	6	0.60	60	51	bc	bc	om	2.1			
SCOTLAND.																								
Birr Castle ...	...	30.12	56	SW	3	o	29.86	*	53	-1	SW	5	o	5	0.30	60	52	c.o	c.o	o.g	1.0			
Donaghadee ...	...	30.05	61	S	1	c	29.77	*	54	+2	S	4	c	*	0.11	61	49	c	c	o.c	1.6			
Liverpool Obsy. ...	...	30.11	56	SSE	2	c	29.89	-.06	50	-1	SSE	3	r	3	0.05	57	50	c	c	o.p	*			
Holyhead ...	...	30.14	58	WNW	1	bc	29.99	-.04	51	-5	SSE	2	r	3	0.02	57	51	o.c	c.b.c	op	1.0			
Pembroke (St. Ann's Hd.)	...	30.15	57	SW	4	bc	29.92	-.04	50	*	S	5	odm	4	0.04	60	52	a.c.b.c	c.b.c	bc.c	5.0			
Newquay ...	...	30.15	55	WSW	5	c	29.95	-.05	52	-1	WSW	5	o.p	4	0.35	60	52	c	o	o.c	7.1			
Scilly (St. Mary's) ...	...	30.18	58	SW	2	b	30.02	-.02	55	0	WSW	4	c	4	0.27	60	47	bc	bc	o.c	9.6			
Jersey (St. Aubin) ...	...	30.19	58	NW	1	bc	30.03	-.01	58	0	WNW	5	bc	4	0.13	62	53	bc	bc	bc	11.3			
Portland Bill ...	...	30.24	60	W	3	bc	30.14	*	58	+2	W	3	c	3	-	62	51	bc	bc	bc	5.8			
Dungeness ...	...	30.19	57	SW	3	c	30.11	-.01	55	0	SSW	4	c	4	-	59	52	f.c	c.b.c	bc.c	*			
Dover ...	...	30.17	59	SW	4	c	30.13	-.00	55	-5	SSW	2	c	2	-	62	54	bc.c	c	c.c	*			
Wick ...	...	30.19	57	SSW	3	c	30.15	*	56	-6	SSW	3	o	2	-	65	53	b.b.c	c.b.c	c.b.c	9.0			
Nairn ...	...	30.08	53	NNW	5	c	29.98	-.03	50	-3	E	1	fe	2	0.05	59	49	bc.o	o.c	o.c	*			
Aberdeen ...	...	30.08	53	-	0	r	29.95	*	52	-6	E	1	o	1	0.19	60	50	p.c	o.c	o.c	1.8			
Leith ...	...	30.08	57	E	1	o	29.97	-.04	54	-6	NE	1	m	2	0.02	67	51	b.b.c	o	o	6.0			
North Shields ...	...	30.09	60	-	0	o	29.95	-.04	57	0	-	0	o	*	0.04	64	53	c.o	o	o	1.4			
Spurn Head ...	...	30.11	58	SW	2	r	29.99	-.02	56	0	SW	1	c	2	0.25	69	53	c	o	r	7.7			
Yarmouth ...	...	30.11	59	ESE	5	c	30.04	-.02	58	-2	SSW	2	omw	3	-	63	54	bc	c	c	*			
ENGLAND.																								
Clacton-on-Sea ...	...	30.17	61	SE	2	bc	30.10	-.03	58	+1	SW	2	c	2	-	65	55	bc	bc	bc.c	10.7			
Nottingham... ..	...	30.15	63	SE	3	o	30.11	-.01	57	-4	SW	4	o	3	-	65	56	bc	bc	o	11.3			
Bath ...	...	30.09	68	SW	2	c	30.04	*	52	-4	SSW	2	o	*	-	71	51	bc	c	bc.b	6.5			
London (Kew Obsy.)...	...	30.15	63	W	2	c	30.07	*	56	-2	S	1	o	*	-	68	51	-	-	-	2.5			
Spitzbergen ...	...	30.14	70	SSW	2	bc	30.10	-.01	60	+7	S	3	o	*	-	73	53	b.b.c	c.b.c	bc.c	6.1			
SCANDINAVIA.																								
Isafjord ...	...	29.93	37	NW	2	b	30.04	+0.02	38	0	NW	4	b	4	-	37	32							
Reykjavik ...	...	29.95	52	-	0	o	30.09	+0.03	47	0	-	0	c	*	-	*	*							
Vestmanna ...	...	29.97	57	SE	5	o	30.08	+0.04	52	+2	E	1	c	*	-	*	*							
Seydisfjord ...	...	29.89	49	E	6	b	30.03	+0.01	46	+8	E	2	o	1	-	*	*							
Thorshavn ...	...	30.04	48	NE	2	o	30.13	+0.01	47	0	-	0	o	*	-	*	*							
Haparanda ...	...	30.08	50	-	0	f	30.04	-.01	48	-1	-	0	f	*	-	*	*							
Hernösand ...	...	30.09	58	SW	4	b	30.03	-.02	56	-2	SW	1	b	*	-	72	48							
Stockholm ...	...	30.12	57	-	0	b	30.10	-.02	64	+5	S	4	b	*	-	64	43							
Wisby ...	...	30.11	56	-	0	b	30.13	-.00	61	+2	SE	2	b	*	-	68	46							
Karlstad ...	...	30.06	63	-	0	c	30.09	-.00	61	-1	E	2	b	*	-	72	56							
Färder (X'ania Fjord)	...	30.06	61	SE	3	o	30.08	+0.01	61	+5	ESE	1	o	2	-	66	59							
Bodö ...	...	30.10	54	-	0	b	30.09	-.01	52	-1	N	1	b	1	-	55	46							
Christiansund ...	...	30.08	54	NE	1	b	30.08	+0.01	50	0	-	0	r	2	-	55	48							
Skudesnaes ...	...	30.04	59	NNW	2	b	30.06	-.01	61	+4	-	0	b	0	-	59	52							
The Scaw (Skagen)...	...	30.08	61	WSW	3	b	30.08	-.00	58	-5	SSW	1	c	0	-	66	54							
Blavands Huk ...	...	30.16	58	WNW	2	m	30.15	-.01	56	-9	WNW	1	o	1	-	68	54							
GERMANY, &c.																								
Cuxhaven ...	...	30.15	64	N	2	b	30.14	-.00	62	-1	W	1	b	0	-	68	54							
The Helder ...	...	30.18	61	NW	1	bc	30.14	-.03	61	0	SSW	3	bc	1	-	64	50							
Brussels ...	...	30.18	62	W	1	b	30.21	-.01	64	+5	S	1	bc	*	-	72	52							
Berlin ...	...	30.06	70	NE	3	b	30.13	+0.01	64	+7	NW	2	c	*	-	75	54							
Frankfurt ...	...	30.17	60	SW	1	c	30.20	+0.01	57	-3	W	1	m	*	-	72	54							
Munich ...	...	30.17	52	W	5	o	30.23	+0.01	53	+1	SW	3	o	*	0.04	59	50							
FRANCE.																								
C. Gris Nez... ..	...	30.21	55	SW	4	m	30.14	-.02	58	-3	SSW	3	o	2	-	68	55							
La Hève ...	...	30.22	58	NNW	1	bc	?	*	58	+3	WNW	2	m	1	-	66	54							
Brest (St. Mathieu) ...	...	30.25	63	NW	2	bc	30.16	-.02	57	+2	SW	4	o	3	-	59	54							
Lorient (Rec. Molen)...	...	30.19	63	NW	4	b	30.16	*	58	+1	NW	3	o	2	-	64	54							
Roche fort (Ile d'Ala) ...	...	30.21	64	NW	3	b	30.18	-.00	61	-2	NW	3	bc	*	-	70	55							
Biarritz ...	...	30.22	68	NNE	2	bc	30.17	-.01	62	+1	ESE	3	o	2	-	75	61							
SPAIN, PORTUGAL, &c.																								
Paris ...	...	30.21	66	ENE	1	b	30.19	-.01	61	+10	SE	1	b	*	-	67	48							
Belfort ...	...	30.24	57	-	0	o	30.26	*	57	0	-	0	f	*	-	61	45							



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 22<sup>ND</sup> JUNE



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 depression centred on the Atlantic to the westward of Ireland will move in an easterly or north easterly direction over the United Kingdom, with an increase

in the force of the wind, a good deal of cloud, and rain at times.

### FORECASTS FOR THE 24 HOURS NOON MONDAY TO NOON TUESDAY.

0 {  
a  
b  
1 {

Wind freshening from some Easterly point; much cloud, some rain, heavy in places; temperature rather low. Fog or mist locally.

2 {  
a  
b

Wind between South and South West or West, light to

3 {

fresh or strong; becoming less fair.

4 {  
a  
b

some rain; temperature rather low

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

Same as Nos. 0 and 1.  
Southerly to Easterly winds fresh or strong at times; much cloud, occasional rain; cool.

8 {  
a  
b

Wind between South West and West, moderate to fresh or strong; changeable, occasional rain; rather cool.

9 {  
a  
b

Wind between South and West, moderate to fresh or strong; changeable, occasional rain; rather cool.

10 {  
a  
b

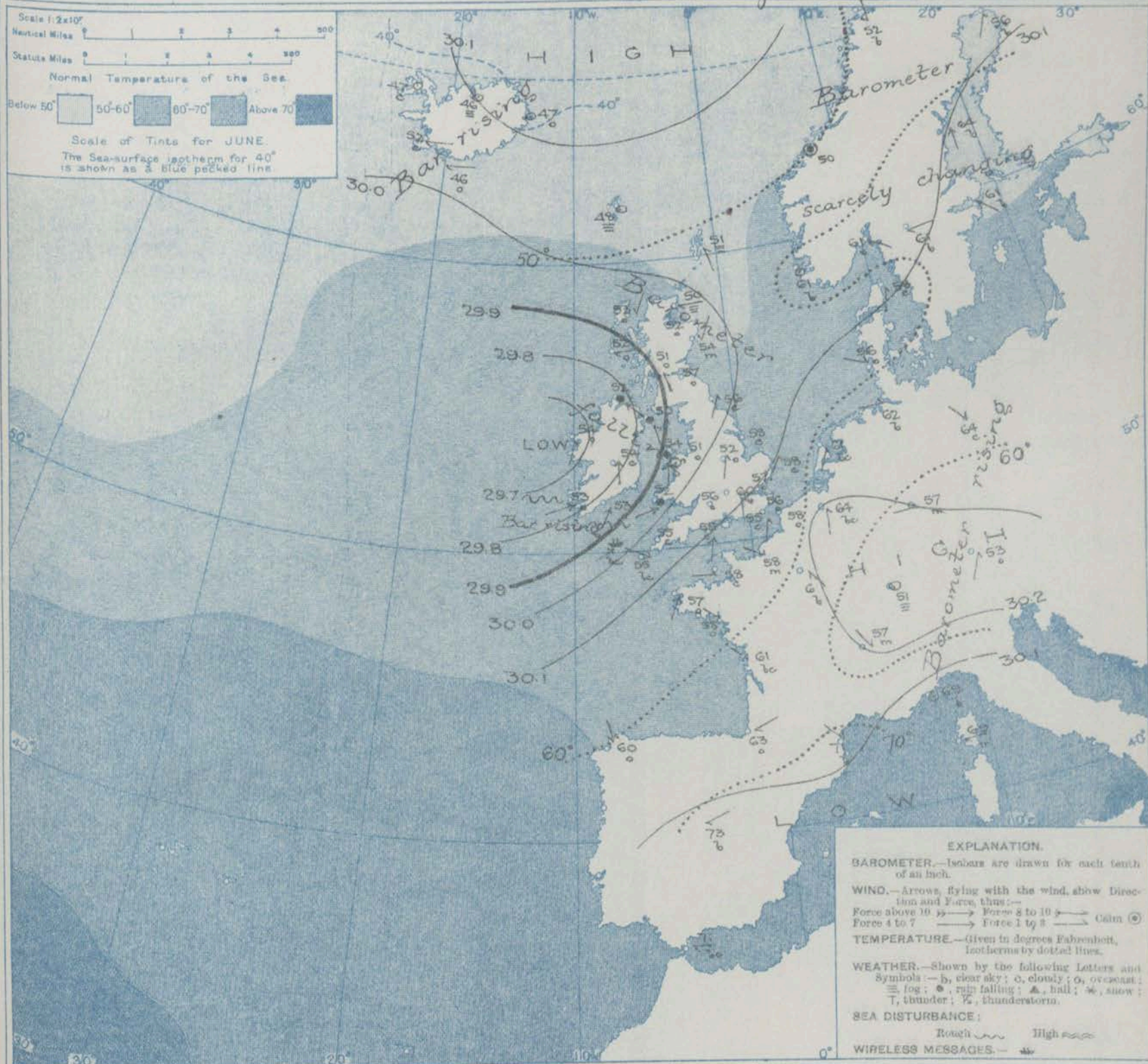
### 11 WESTERN CHANNEL AND BAY.

South West and West winds, light to fresh or strong; sea moderate or rather rough; some rain and mist.

### THE FURTHER OUTLOOK.



# SYNOPTIC CHART FOR 7 A.M. Monday, 23<sup>rd</sup> JUNE 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

In a depression extending over Iceland from the Atlantic the barometer is below 29.7 in., while between northern Norway and Iceland it is above 30.1 in., and in South Germany above 30.2 in.

A light breeze from the Eastward prevails in Scotland, but over these Islands generally the wind is between South and South-West, light or moderate generally, but fresh on some parts of the south-west and south coasts, high at Valencia, on the Continent the wind is light and variable. Temperature has fallen in most parts of this country, and now ranges from 60° in London to 52°

at Nottingham, and to 50° at Donaghadee and Wick. Rain is falling at several stations in the west of these islands, and mist or fog is reported locally along the east and north-east coasts. In most places the sky is very cloudy or overcast. Over the greater part of the Continental area the weather is fair or fine, but rain is falling at Christiansund.



## DAILY WEATHER REPORT.

Monday, 23rd June, 1913.

## OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
23rd Jan.	50	8	Ansonia	H	30.03	+0.01	WSW	4-5	bc	22nd Jan.	49	25	Cedric	O	30.06	+0.11	WNW	4-5	c
22nd 6pm.	55	23	Victorian	O	29.90	+0.01	W	1-3	bc	"	55	20	Victorian	O	29.90	-0.01	SW	1-5	c
"	54	22	Lake Manitoba	O	29.92	00	WSW	4-5	c	"	55	18	Lake Manitoba	O	29.91	-0.01	WSW	4-5	c
"	54	15	California	O	29.95	-0.08	SE	1-3	r	"	50	17	Ansonia	H	30.06	-0.03	SSE	4-5	c
"	50	13	Ansonia	H	29.90	-0.02	S	4-5	m	"	50	16	Montezuma	H	30.03	-0.07	S	4-5	c
" 1pm.	54	13	California	O	30.05	-0.05	SW	4-5	bc	"	55	11	Coriscar	H	30.09	+0.10	SSW	4-5	c
"	50	10	Sicilian	O	30.20	-0.02	SW	4-5	c	"	49	11	Zealand	H	30.21	-0.02	SW	1-3	c

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

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.	Oban	...	In.	F.	F.		Hr.	England, S.E.	Margate	...	In.	F.	F.		Hr.
	Stonehaven	0.04	60	46	b	o	5.6		Ramsgate	...	67	48	b	b	10.4
	St. Andrews	...	...	...	...	...	...		Folkestone	...	67	51	b	b, o, bc	10.1
	Carnoustie	0.01	64	48	*	*	2.0		Littlestone	...	...	...	...	...	9.0
England, N.E.	Harrogate	...	68	49	b, bc	c, bc	2.7	England, S.W.	Hastings	...	65	53	bc, b	b, bc	12.5
	Scarborough	...	64	52	c, b	o, c	7.0		Bexhill-on-Sea	...	63	52	b	b, bc, c	12.5
England, N.W.	Blackpool	...	60	51	o, c	c	1.5	England, S.W.	Eastbourne	...	64	48	b, bc, b	b, bc, b	11.4
	Southport	...	59	51	o, bc, o	o	0.2		Seaford	...	...	...	...	...	7.4
	Buxton	...	68	52	o, bc	bc	5.4		Brighton	...	63	49	bc, c	c, o	6.4
	Leamington Spa	...	70	47	bc	c	7.5		Worthing	...	63	49	b	o	6.4
Wales.	Douglas	0.02	60	51	o	o, c	0.2	England, S.W.	Littlehampton	...	67	45	*	*	0.0
	Molven	...	...	...	...	...	...		Southsea	...	62	51	o, c	c, o	3.5
	Rhyl	0.03	58	50	c, bc, o	a, c	0.2		Bournemouth	...	64	50	o, c	c, bc, b	...
	Colwyn Bay	0.06	59	54	op	o	0.0		Weymouth	...	67	51	o, c	bc, c	5.0
England, E.	Llandudno	...	60	53			0.0	England, S.W.	Teignmouth	...	65	54	bc, c	c	0.0
	Bettws-y-Coed	...	...	...	...	...	...		Torquay	...	64	53	c	c	0.0
	Aberystwyth	0.03	59	54	o, c	c, bc	0.9		Paignton	...	64	53	c	c	0.0
	Lowestoft	...	61	50	bc	bc	11.1		Ilfracombe	...	59	55	c, bc	b, bc	7.8
England, E.	Felixstowe	...	64	50	bc	bc, o	10.9	England, S.W.	Weston-super-Mare	...	64	51	c, bc, b	b	6.0
	Walton-on-Naze	...	65	51	bc, c	c, y	10.6								
England, E.	Southend-on-Sea	...	71	55	b	bc, o	10.5								

## LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		TEMPERATURE.		Rainfall.	WEATHER.			Sunshine for Yesterday.
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.	Min. on Grass.		Forenoon.	Afternoon.	Night.	
Greenwich (Royal Obs.)	50	77	78	52	47	b, bc	bc	bc, c, o	8.3
City (Bunhill Row)	...	...	...	...	...	...	...	...	6.9
Westminster (St. James's Pk.)	67	83	73	50	?	bc, o	bc	bc, o	8.4
Camden Sq. (Brit. Rainfall)	...	71	76	54	52	bc, b	bc, c	bc, o	6.9
Hampstead (Reservoir)	...	84	71	52	49	bc	bc	bc, o	7.7
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.)			1945 Joules.		32.6 Milliwatts.		84 Milliwatts.		8.4

## Additional Observations for Yesterday.

STATIONS.	Rainfall.	TEMPERATURE.		Night Min. on Grass.	WEATHER.			Sunshine for Yesterday.
		In Screen.	Min.		Night.	Forenoon.	Afternoon.	
Dublin to 4 p.m.	In. 0.03	62	53	52	op, c	bc	c	3.5
Plymouth to 9 p.m.	...	66	49	49	bc	o	c	...
Darwen	...	...	...	...	...	...	...	...
Manchester	Trace	66	51	...	c, o	o, c	c	5.1
Birmingham	...	68	52	44	c	c	c	...
Oxford to 8 p.m.	...	71	43	42	cm, bc	bc, c	c, bc	...
S. Kensington (Museum Grounds to 6 p.m.)	...	74	52	41	bc	b, bc, c	c, bc	...

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

23rd & 24th June 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 5.32 3.32	G.M.T. 11.55 11.55	G.M.T. 8.18 8.18
Greenwich	3.45 3.45	12.2 12.2	8.19 8.19
Wick	3.8 3.8	12.14 12.14	8.20 8.20
Valencia	4.23 4.23	12.43 12.43	8.3 8.3

## NOTES ON YESTERDAY'S WEATHER.

Temperature rose to 73° at Kew, and to about 70° in a few other parts of the Kingdom, but remained below 60° at some north-western and western stations. Rain has fallen over a considerable area in the west and north, about 0.6 in. along the west coast of Ireland. Many hours of bright sunshine were recorded in the east and south-east of England, but most other regions the sky was more cloudy. According to wireless reports a light to fresh wind from some southerly point prevailed as far west as the 20th 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.

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



1913.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Tuesday,  
2nd June, 1913.

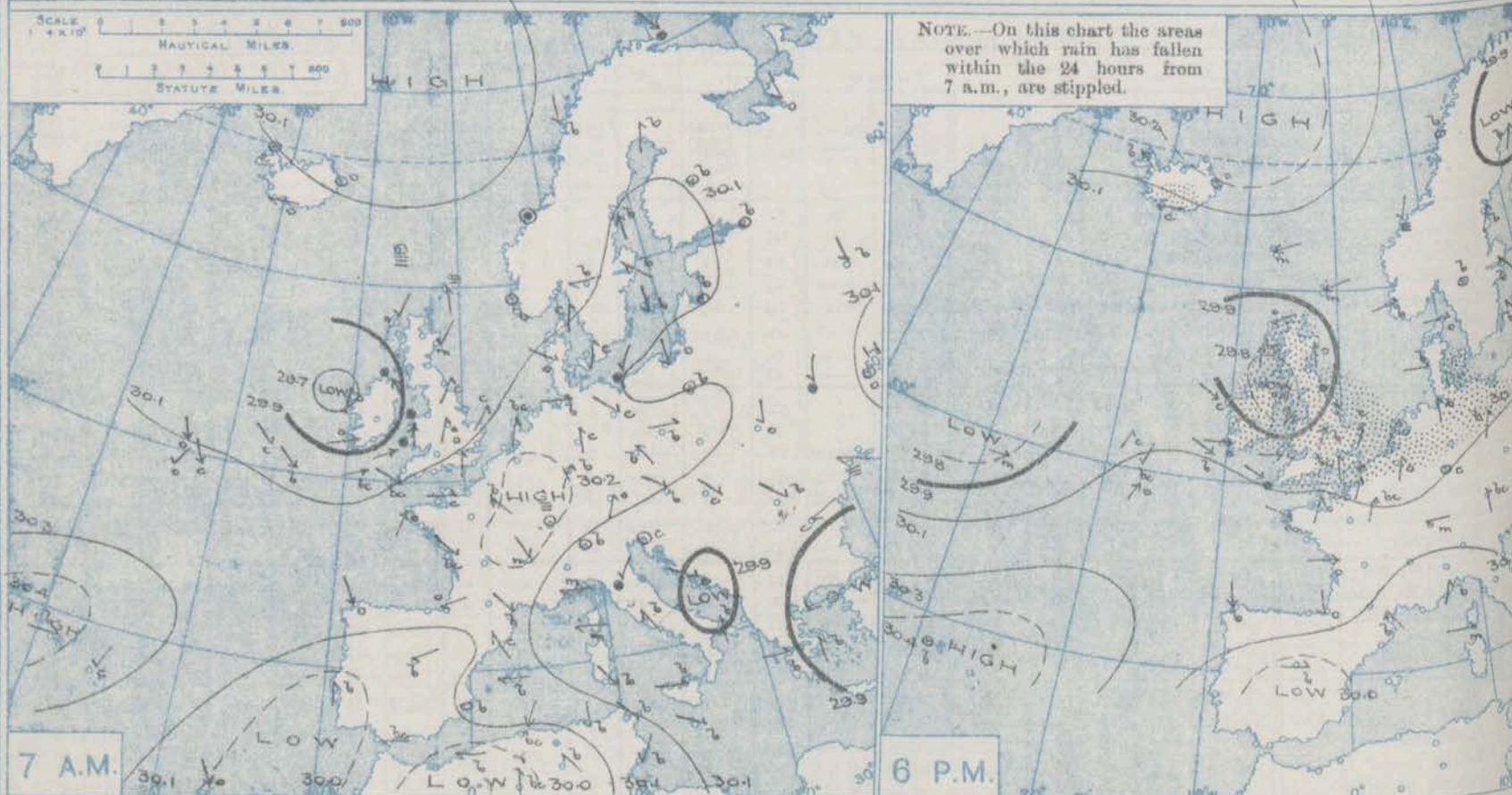
STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun- shine for Yester- day.
		BAROM.		TEMP.		WIND.	Force (0 to 12).	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.				
		At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Dir.	At 32° Fahr. and M.S.L. Lat. 45°.				Change since 4 a.m.	Dry Bulb.	Change since Yesterday.	Dir.						Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.		
In.		F.				In.	In.	F.						In.	F.	F.						Hours		
Lerwick	29.94	56	ENE	4	m	29.88	0.06	54	+3	ENE	2	o	1	0.03	56	50	f	m	om					
Stornoway	29.84	55	ENE	2	og	29.82	+0.02	52	-1	NW	3	r	2	0.09	57	52	og	og	odp	0.1				
Castlebay (Barra Isd.)	29.81	53	ENE	3	r	29.89	+0.02	53	+1	NW	2	o	2	0.16	54	52	or	r	r.or.o	0.0				
Glasgow	29.82	56	SE	2	o	29.84	+0.01	53	+2	NW	1	bc	*	0.20	59	50	spd	spd	sp.o.c	0.9				
Malin Head	29.72	57	S	2	bc	29.91	+0.06	52	0	NW	3	bc	1	0.01	58	50	spq	bep	bem	*				
Blackod Point	29.90	54	NW	4	c	30.02	+0.02	54	0	NW	2	bc	2	0.06	60	47	omp	omp	cp	*				
Valencia	30.04	54	W	5	c	30.03	+0.01	53	0	SW	1	o	3	0.05	56	50	omp	c	c.b	2.8				
Roche's Point	29.99	55	NW	4	c	30.10	*	52	-1	NW	2	c	2	0.03	67	49	od	o.c.m	c	*				
Birr Castle	29.86	53	W	6	c	30.08	*	52	-2	SW	4	c	*	0.19	62	47	or.e	cpt	c	4.6				
Donaghadee	29.74	56	SSW	3	cp	29.86	+0.03	53	+3	WSW	2	c	2	0.51	57	50	c	cpm	or.ep	*				
Liverpool Obsy.	29.88	57	SSW	3	o	29.92	+0.02	51	0	WSW	5	o	5	0.34	68	50	opt	bc.o	p.cq	3.8				
Holyhead	29.80	55	SSW	6	cfq	29.96	+0.02	51	-2	W	5	ogq	4	0.07	58	50	d.c.bc	or.c.bc	for.cq	5.2				
Pembroke (St. Ann's Hd.)	29.94	55	W	6	c	30.07	+0.02	52	0	WNW	4	c	4	Trace	57	51	epq	epq	qy	4.0				
Newquay	30.06	55	WSW	6	o	30.12	+0.01	54	-1	W	4	agv	4	0.07	60	52	b.	b.o	o	3.9				
Scilly (St. Mary's)	30.09	57	WNW	5	bcp	30.15	+0.01	53	-2	WNW	3	c	4	Trace	60	51	bem	bep	bep	9.4				
Jersey (St. Aubin)	30.13	59	SW	3	og	30.18	*	56	-2	W	3	c	3	Trace	62	52	c.p.o	o	bc	4.0				
Portland Bill	30.03	57	WSW	6	b	30.10	+0.03	55	0	WNW	5	bc	3	Trace	58	53	dm	bc	bc.c	*				
Dungeness	30.04	57	SW	3	b	30.03	0.00	57	+2	WSW	5	c	4	Trace	63	52	c	c.op	c	*				
Dover	30.04	56	SW	4	o	30.03	*	58	+2	WSW	3	b	4	Trace	65	49	c.c	c.b.c.p	c.b.c	2.1				
Wick	29.84	52	ESE	3	c	29.85	+0.01	48	-2	ESE	1	f	2	Trace	53	47	f	f.c.m	om.f	*				
Nairn	29.81	55	-	0	o	29.85	*	53	+1	-	0	c	1	0.01	58	41	omv	omd	cf	0.0				
Aberdeen	29.87	57	-	1	o	29.85	+0.01	53	-1	NE	2	o	2	-	61	50	m.b.m	om.o	o.b.c.m	0.7				
Leith	29.83	59	SSE	2	bc	29.83	+0.01	54	-3	E	1	o	*	0.15	60	49	ep.or	or.c.bc	c	*				
North Shields	29.87	60	SSE	3	p	29.80	-0.07	52	-4	SSW	3	op	2	0.18	62	51	c	r.o	o	0.9				
Spurn Head	29.93	63	SSW	4	b	29.89	-0.04	56	-2	WSW	4	o	4	0.02	65	51	cp	cp.b	bc.o	2.3				
Yarmouth	29.99	65	SW	3	c	29.97	-0.02	54	-4	W	2	c	2	0.03	65	50	c	c.p	bc.c	1.4				
Clacton-on-Sea	30.01	61	SSW	4	c	29.99	0.00	56	-1	W	3	o	2	0.01	64	51	og	og.p.o	c.o	1.2				
Nottingham	29.93	62	SW	4	b	29.94	*	55	+3	W	4	c	*	0.07	65	52	op	o.c.b	bc	3.7				
Bath	30.02	61	W	5	bc	30.07	*	56	0	W	3	o	*	0.11	66	53	-	-	-	4.2				
London (Kew Obsy.)	30.00	63	S	3	bc	30.04	+0.01	56	-4	W	2	c	*	0.02	66	53	o.c.d.p	o.c.p.b.c	bc.c	1.9				
Spitzbergen	30.01	34	NW	6	o	29.90	-0.02	35	0	NW	8	o	0	-	36	30								
Isafjord	30.14	55	SE	5	b	30.16	-0.01	49	+2	-	0	c	*	*	*	*								
Reykjavik	30.02	55	E	1	r	30.02	0.00	50	-2	E	2	o	*	*	*	*								
Vestmanna	30.06	50	E	2	c	30.06	+0.01	45	-1	ESE	4	r	0	*	*	*								
Seydisfjord	30.20	46	-	0	o	30.21	+0.01	42	-5	-	0	o	*	*	*	*								
Thorshavn	30.00	47	ENE	4	m	29.99	0.00	47	-1	ENE	2	m	*	*	*	*								
Haparanda	29.87	52	SW	2	b	29.84	-0.01	55	-1	ENE	2	bc	*	-	63	48								
Hernösand	29.96	56	SW	2	b	29.83	-0.04	63	-1	-	0	b	*	-	68	45								
Stockholm	30.05	58	SSE	2	b	29.93	-0.04	64	+3	S	2	b	*	-	68	48								
Wisby	30.06	54	SSE	2	b	29.94	-0.04	65	+10	SW	2	b	*	-	68	45								
Karlstad	29.98	65	-	0	b	29.92	-0.02	60	-1	SW	2	b	*	-	77	54								
Færder (X'laula Fjord)	30.01	60	SSW	2	c	29.91	-0.02	59	-2	SSE	2	c	1	-	64	57								
Bodö	? 30.01	54	-	0	b	29.94	-0.01	50	-2	N	1	bc	2	-	54	45								
Christiansund	30.03	51	NE	1	f	29.95	-0.01	49	-1	NE	1	f	2	-	52	48								
Skudesnaes	29.99	61	WSW	2	b	29.91	-0.02	59	-2	SE	2	o	1	-	63	55								
The Scaw (Skagen)	30.02	60	W	1	o	29.95	-0.01	59	+1	SSW	1	o	0	-	66	54								
Blaavands Huk	30.07	59	W	1	b	29.95	-0.04	58	+2	ESE	1	r	1	0.04	64	55								
Cuxhaven	30.07	64	S	1	o	29.94	-0.04	60	-2	S	2	o	0	0.08	68	57								
The Helder	30.05	62	SW	1	c	29.96	-0.01	59	-2	WSW	3	b	1	0.47	64	57								
Brussels	30.05	66	SSW	3	o	30.05	0.00	58	-9	W	2	o	*	0.16	75	52								
Berlin	30.09	63	SW	2	b	30.02	-0.01	62	-2	S	1	o	*	Trace	72	54								
Frankfurt	30.09	65	-	0	c	30.05	+0.01	53	+1	SW	1	3	*	-	77	57								
Munich	30.14	58	S	1	bc	30.11	-0.01	57	+4	SSE	3	o	*	-	66	46								
C. Gris Nez	30.07	56	SW	4	r	30.04	+0.01	56	-2	WSW	5	o	4	0.08	68	54								
La Hève	30.06	57	WNW	4	o	30.12	*	55	-3	WSW	4	c	4	-	70	50								
Brest (St. Mathieu)	30.19	61	WNW	3	bc	30.23	+0.03	55	-2	NW	2	bc	2	-	63	52								
Lorient (Rec Melen)	30.1																							

\* 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. 23<sup>rd</sup> JUNE.



## GENERAL INFERENCE

With the barometer high over the Bay of the Azores and also in the north of Iceland, and relatively low over the intervening regions, depressions

## WEATHER PROSPECTS.

from the Atlantic will probably continue to move eastward or north-eastward over the United Kingdom.

### FORECASTS FOR THE 24 HOURS NOON Tuesday

- 0 {  
a Wind between North and East,  
b light or moderate; much cloud  
generally, some rain, mist or fog locally  
on coast; very cool.

- 1 {  
a Wind between West and  
b South-West, fresh at times;  
changeable sky, local showers;  
temperature below the normal.

5

### FORECAST DISTRICTS.



### STORM WARNINGS.

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

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

No Warnings Issued.

### TO NOON Wednesday.

- 6 {  
a Light North-Westerly or Westerly  
b winds then shifting to South-East or East; changeable, some rain; cool.

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

- 8 {  
a Westerly and South-Westerly winds,  
b fresh to moderate or light; mostly fair to-day, some rain to-morrow, temperature below the normal.

- 9 {  
a Wind becoming South-Westerly or  
b Southerly, light to fresh; changeable, some rain; temperature rather low.

- 10 {  
a  
b

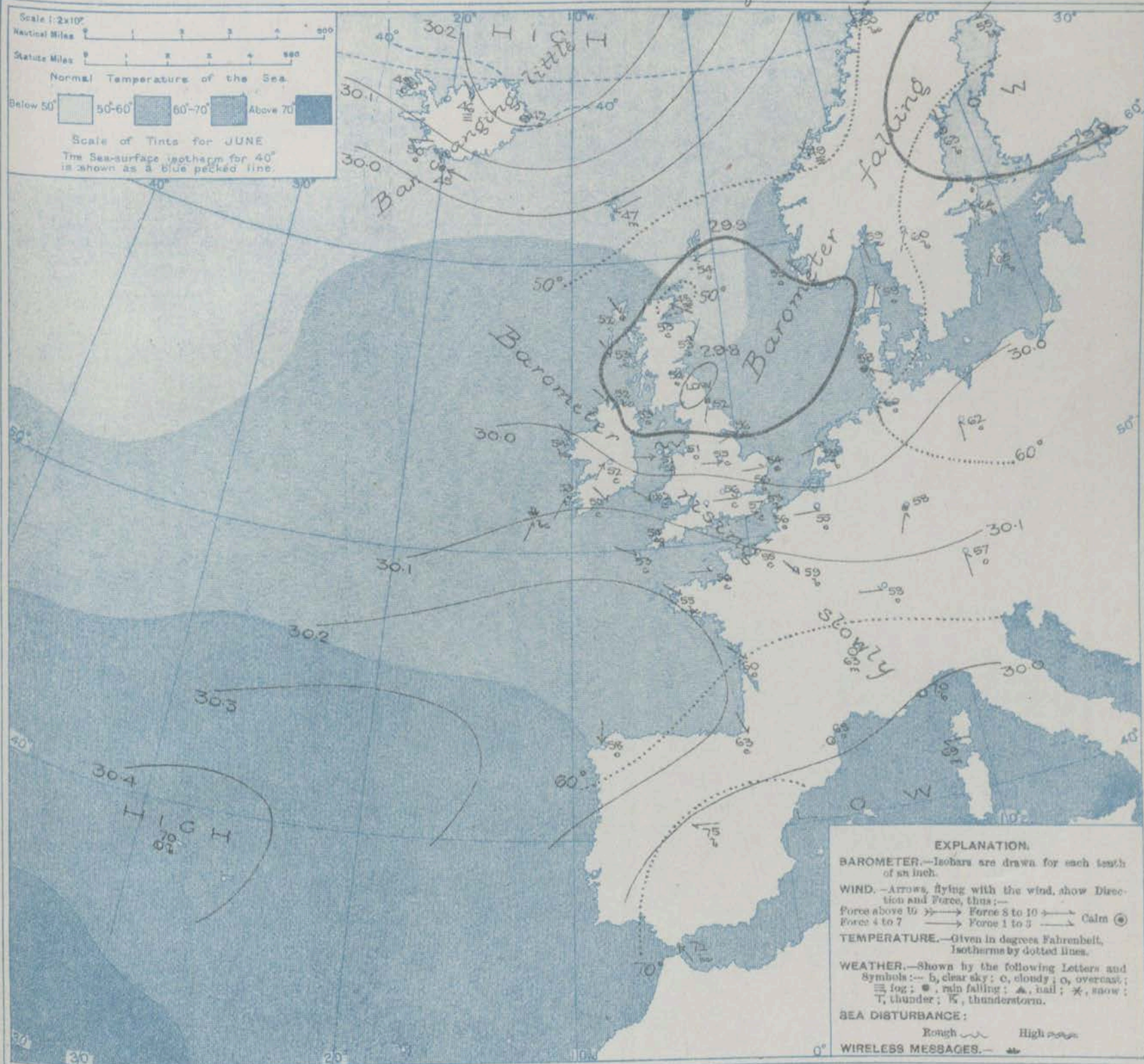
### 11 WESTERN CHANNEL AND BAY.

Westerly to South-Westerly winds, moderate or fresh; sea moderate or slight; mostly fair to-day, some rain to-morrow.

### THE FURTHER OUTLOOK.



# SYNOPTIC CHART FOR 7 A.M. Tuesday, 24<sup>th</sup> JUNE 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

The barometer is below 29.9 in. in a depression having its centre on the extreme north-east coast of England, and covering the northern half of Great Britain and the greater part of the North Sea, while the readings increase to about 30.2 in. in the north-east of Iceland and over the Bay of Biscay, and to 30.4 in. at the Azores. The wind is mainly westerly over England, light to fresh in force, and north-easterly or northerly over the greater part of Scotland and in the north of Ireland. At Valencia and on the Atlantic

50 miles to the westward there is a light breeze from south-west. Temperature has fallen a little in most regions. Over the United Kingdom it ranges from 53° at Dover to 50° at Liverpool and to 48° at Wick. A good deal of cloud is reported over these islands, the Netherlands, France and Germany, and also in Denmark, with showers at North Shields, and rain at Stavanger, Frankfurt and Blasavands Huk. In almost all parts of Scandinavia the weather is fine and bright.



## DAILY WEATHER REPORT.

Tuesday 24th June, 1913.

## OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	C = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	C = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
24th Jan. 51 14	51	14	Campania	H	30.18	-0.01	SW	1-3	bc	23rd Jan. 50 22	50	22	Montezuma	O	30.08	-0.01	NW	4-5	
23rd Jan. 48 27	48	27	Mauretania	O	29.74	-0.13	W	1-3	m	" 49 22	49	22	Campania	H	30.25	-0.01	NE	1-3	
" 51 17	51	17	Sicilia	O	30.07	-0.02	SW	1-3	C	" 49 21	49	21	Mauretania	O	30.12	+0.02	NW	4-5	
" 50 17	50	17	Campania	H	30.22	-0.02	NE	1-3	bc	" 51 16	51	16	Royal Edward	O	30.02	+0.17	NW	1-3	
" 49 17	49	17	Minnetonka	O	30.15	-0.02	SW	4-5	O	" 50 15	50	15	Sicilia	O	30.06	+0.09	WNW	6-7	
" 51 11	51	11	Royal Edward	H	30.04	-0.02	WNW	4-5	b										
" 1pm 51 14	51	14	do do	H	30.04	+0.02	WNW	4-5	b										

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

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scotland. Oban ...	In.	F.	F.			Hr.	Margate ...	In.	F.	F.			Hr.
Stonehaven ...	"	64	51	f.o	c. bc	1.0	Ramsgate ...	0.02	67	53	bc. r	r	1.7
St. Andrews ...	0.17	?	52	p	p	0.0	Folkestone ...	"	64	54	c. bc	c.o	2.1
Carnoustie ...	0.10	56	51	"	"	0.0	Littlestone ...	"	63	54	"	"	0.4
England, N.E. Harrogate ...	0.04	62	49	or. c	c. bc. c	1.9	Hastings ...	"	63	54	bc. c	c.o	0.9
Scarborough ...	"	63	54	bc	bc	1.4	Bexhill-on-Sea ...	0.03	62	56	g	sp. c.o	2.1
England, N.W. Blackpool ...	0.32	64	48	or	c.o	2.6	Eastbourne ...	"	60	54	bc. c	c.o	2.3
Southport ...	0.29	64	49	or. b.o	bc. c	3.1	Seaford ...	0.01	61	54	c	c. r. c	0.7
Buxton ...	0.05	61	48	bc	bc	2.6	Brighton ...	0.02	60	55	"	c.o	1.2
Leamington Spa ...	0.05	65	50	bc	b	2.3	Worthing ...	0.02	61	54	c	"	1.8
Douglas ...	0.07	57	50	op. b	b. o. c	3.5	Littlehampton ...	0.02	64	54	"	"	2.5
Malvern ...	"	64	48	"	"	2.5	Southsea ...	0.04	62	51	c. b. o. c	c. bc. b	3.6
Rhyl ...	0.24	62	46	b	"	2.5	Bournemouth ...	0.14	63	53	or	c. bc. b	3.6
Wales. Colwyn Bay ...	0.20	62	50	bc	bc	5.0	Exmouth ...	"	66	51	d. c. b	c. bc	6.0
Llandudno ...	0.12	63	49	"	c. bc	3.6	Weymouth ...	0.02	63	51	or. c	b	5.5
Bettws-y-Coed ...	"	64	46	c	"	0.0	Teignmouth ...	0.05	67	49	or. bc	bc	6.0
Aberystwyth ...	0.23	58	51	r. o. c	bc. c	1.7	Torquay ...	0.06	64	50	c. bc	bc	6.0
England, E. Lowestoft ...	0.01	63	55	c. c. o	sp. c	1.2	Paignton ...	0.07	65	48	or. b	c	6.5
Felixstowe ...	0.02	65	56	fm. w	comp. bc	0.7	Ilfracombe ...	0.29	60	51	r. c. bc	c. o. w	4.5
Walton-on-Naze ...	0.02	64	55	c	bc	1.5	Weston-super-Mare ...	0.20	63	51	c	b. bc	4.5
Southend-on-Sea ...	0.01	64	55	bc	bc. b	3.0							

## LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		TEMPERATURE.		Rain- fall.	WEATHER.		Sun- shine for Yesterday.
	3 p.m. Yesterday.	9 a.m. Today.	In Screen.	Min. on Grass.		Fore- noon.	After- noon.	
Greenwich (Royal Obay.) ...	72	69	66	51	0.03	o	p. o	1.1
City (Bunhill Row) ...	"	"	66	51	"	"	"	0.8
Westminster (St. James's Pl.)	71	67	66	53	0.03	b. a	o	0.9
Camden Sq. (Brit. Rainfall)	64	66	67	52	0.05	d. c. o	or. c. b	1.1
Hampstead (Reservoir) ...	"	71	62	51	0.01	cp	bc	1.5
Kew. (See front page.)								
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETER DURING YESTERDAY.								
Total.			Mean Rate.		Max. Rate.			
S. Kensington (Roof of M.O.)			114.7 Joules.		19.2 Milli-watts.		62 Milli-watts.	

## Additional Observations for Yesterday.

STATIONS.	Rain- fall.	TEMPERATURE.		WEATHER.		Sun- shine for Yesterday.
		In Screen.	Night Min. on Grass.	Night.	Fore- noon.	
Dublin to 4 p.m.	0.02	65	54	52	op. c	cp. q
Plymouth to 9 p.m.	0.21	63	49	44	o	c. b
Darwen "	0.15	59	47	46	c. or	c. or
Manchester "	0.05	65	51	48	c. or	or. o
Birmingham "	0.11	64	49	44	r.	c. c
Oxford to 8 p.m.	"	64	54	48	o	or. p
S. Kensington (Museum Grounds to 6 p.m.)	0.02	69	54	49	o	or. o

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

24th & 25th June, 1913.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 3.32	G.M.T. 11.55	G.M.T. 8.15
Greenwich ...	3.45	12.2	8.19
Wick ...	3.8	12.14	8.20
Valencia ...	4.23	12.43	9.3

## NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature rose to 65° or slightly higher in a few parts of England, but remained below 60° in many northern and western localities. Light or moderate quantities of rain fell over the greater part of the Kingdom, and as much as 0.5 in at Donaghadee. Thunder occurred locally in the north-west of England, the Isle of Man and at Birr Castle. As a whole there was little bright sunshine, but Newquay recorded 8.9 hours and Sully 9.4 hours. Wireless reports show that between the 17th and the 27th meridian, a light breeze between South-West and West prevailed.

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. bear 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  
25th June 1913.

STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun- shine for Yester- day.
		BAROM.		TEMP.		WIND.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.						
		At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Force (0 to 12).	Weather.		At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						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.	Dir.	Force (0 to 12).	Weather.	In.	In.	F.	.	.	.	.	.	.	In.	F.	F.	.	.	.	Hours		
Lerwick ... ..		29.92	53	NNE	3	c	30.02	+0.10	49	-5	N	5	c	4	-	57	48	o	c	c	*			
Stornoway ... ..		29.97	56	W	3	o	30.09	+0.12	54	+2	NW	2	o	2	-	58	52	o	o	og	0.0			
Castlebay (Barra Isd.)		30.00	54	WNW	4	o	30.12	+0.13	52	-1	WNW	1	om	1	0.01	57	51	o.c.60	o	opm	2.3			
Glasgow ... ..		29.92	59	E	1	c	30.06	+0.04	55	+2	SW	2	bc	*	0.03	64	50	c.6c	cl.6c	o.c.6c	3.6			
Malin Head ... ..		30.00	53	NW	4	c	30.14	+0.02	52	o	NNW	4	c	3	-	56	51	bc	bc	em	*			
Blacksod Point ... ..		30.10	55	NW	1	c	30.22	+0.12	55	+1	NNW	1	b	1	0.02	59	47	em	egv	bcv	*			
Valencia ... ..		30.07	56	NNE	2	c	30.23	+0.16	51	-2	-	o	b	3	0.05	58	42	o	o.c	bc	2.0			
Roche's Point ... ..		30.11	54	SSW	2	c	30.21	*	51	-1	N	2	b	2	0.01	55	47	op	op.c	c.b	*			
Birr Castle ... ..		30.06	56	W	2	c	30.22	*	51	-1	NW	2	c	*	0.01	56	42	cp	c	bc	2.6			
Donaghadee ... ..		30.00	54	NNW	2	c	30.12	+0.03	52	-1	NNW	3	c	3	0.11	57	51	om	cp	cp.bc	*			
Liverpool Obsy. ... ..		29.98	55	W	5	o	30.06	+0.02	53	+2	W	5	o	4	0.04	57	49	rmq	cp	oq	1.2			
Holyhead ... ..		30.02	55	W	2	og	30.11	+0.02	54	+3	NNW	5	cp	4	Trace	57	51	og	o.c.60	op.c	0.0			
Pembroke (St. Ann's Hd.)		30.07	54	WNW	4	c	30.13	+0.04	55	+3	N	3	bc	2	Trace	56	52	c	c	c	2.3			
Newquay ... ..		30.12	53	WSW	2	o	30.15	+0.03	54	o	N	3	b	3	0.09	58	45	ov.c	o	op.c	0.2			
Scilly (St. Mary's) ... ..		30.11	53	-	o	omr	30.15	+0.04	53	o	NNE	2	bc	2	0.13	60	49	c	om	omr	0.4			
Jersey (St. Aubin) ... ..		30.16	59	W	3	og	30.14	*	55	-1	W	3	bc	3	0.02	61	52	c.60	o.c	opg.bc	4.9			
Portland Bill ... ..		30.10	56	WNW	4	c	30.10	+0.01	55	o	NW	3	bc	3	0.01	60	51	c	c	c.b.c	*			
Dungeness ... ..		30.02	59	SW	5	c	29.98	*.00	56	-1	WSW	3	c	3	-	63	47	cp	cp	a.c	*			
Dover ... ..		30.03	57	SW	4	o	29.99	*	52	-6	WNW	4	o	2	0.01	62	46	b.b.c	bc.c.60	o.c.60	2.5			
Wick ... ..		29.92	54	NNW	4	o	30.06	+0.05	50	+2	NNE	4	o	2	-	56	47	f	f.6m	om	*			
Nairn ... ..		29.91	58	W	1	c	30.05	*	55	+2	NNW	1	o	1	0.03	65	52	bc	p.c	omr	4.7			
Aberdeen ... ..		29.88	59	NNE	2	b	30.04	+0.01	54	+1	NNW	3	r	2	0.03	61	52	op	c.b.c	b.6d	4.3			
Leith ... ..		29.90	56	WSW	2	o	30.04	+0.05	56	+2	NNW	2	bc	*	0.08	61	52	cpbc	cl.or	c	*			
North Shields ... ..		29.86	58	W	2	cp	30.01	+0.04	54	+2	N	4	op	3	0.20	60	50	c	cp	tr.p	1.1			
Spurn Head ... ..		29.87	57	W	6	o	29.93	+0.03	54	-2	WNW	5	og	4	0.07	61	52	cp	cp	omr	2.5			
Yarmouth ... ..		29.96	60	W	3	c	29.91	-.00	54	o	W	2	o	2	0.15	62	52	cp	c	cp.6m	1.6			
Clacton-on-Sea ... ..		29.99	60	WSW	4	o	29.94	-.01	55	-1	W	4	c	3	0.01	64	51	o.c.60	o	o.c.60	1.8			
Nottingham ... ..		29.96	57	W	5	o	29.99	*	55	o	WNW	4	opm	*	0.01	60	53	c.60	o.c	o	1.6			
Bath ... ..		30.07	56	W	3	o	30.09	*	56	o	W	1	c	*	-	61	51	-	-	-	3.2			
London (Kew Obsy.) ... ..		30.03	58	W	3	o	30.02	+0.01	55	-1	NW	3	o	*	Trace	61	51	c.60	o	op.c	1.0			
Spitzbergen ... ..		29.99	37	N	1	bc	29.96	-.01	35	o	-	o	o	o	-	37	32							
Isafjord ... ..		30.17	52	E	2	o	30.24	-.00	48	-1	-	o	r	*	*	*	*							
Reykjavik ... ..		30.17	53	E	3	o	30.26	+0.01	47	-3	E	2	r	*	*	*	*							
Vestmanna ... ..		30.17	48	FSE	4	o	30.23	-.00	48	+3	E	2	o	1	*	*	*							
Seydisfjord ... ..		30.26	48	NE	3	c	30.31	-.00	41	-1	-	o	c	*	*	*	*							
Thorshavn ... ..		30.04	50	E	3	o	30.16	+0.03	50	+3	ENE	2	c	*	*	*	*							
Haparanda ... ..		29.81	56	NE	6	o	29.89	?	50	-5	NW	6	b	*	-	64	46							
Hernösand ... ..		29.76	55	-	o	bc	29.80	+0.04	51	-12	NNE	6	r	*	Trace	66	52							
Stockholm ... ..		29.78	59	S	2	c	29.71	-.02	67	+3	SW	2	b	*	-	73	54							
Wisby ... ..		29.84	58	S	2	b	29.78	-.03	60	-5	WSW	4	b	*	-	68	50							
Karlstad ... ..		29.77	64	-	o	c	29.75	-.00	61	+1	W	2	o	*	-	72	55							
Færder (X'lantia Fjord)		29.79	62	SSW	4	c	29.76	-.00	60	+1	SW	1	o	2	-	63	59							
Bodö ... ..		29.91	50	N	6	c	29.97	+0.01	49	-1	N	4	b	2	-	52	46							
Christiansund ... ..		29.90	50	NE	3	b	29.95	+0.01	50	+1	ENE	2	o	2	0.04	54	48							
Skudesnaes ... ..		29.84	61	N	4	m	29.80	-.00	59	o	NNW	6	b	2	-	61	55							
The Scaw (Skagen) ... ..		29.82	61	-	o	b	29.78	-.00	61	+2	SSW	1	o	o	-	70	55							
Blaavands Huk ... ..		29.87	57	W	2	o	29.85	+0.01	60	+2	WNW	1	bc	1	Trace	64	54							
Cuxhaven ... ..		29.91	59	NW	3	b	29.87	-.00	59	-1	WSW	2	bc	o	0.35	63	54							
The Helder ... ..		29.95	57	SW	3	o	29.86	-.01	55	-4	WSW	3	c	1	0.24	59	54							
Brussels ... ..		30.04	50	W	3	o	29.97	-.00	55	o	WSW	2	c	*	-	66	49							
Berlin ... ..		29.89	60	SW	1	o	29.88	+0.01	59	-3	SW	3	c	*	0.08	68	55							
Frankfurt ... ..		30.02	60	N	1	c	29.97	-.01	55	-3	SW	1	f	*	0.51	70	50							
Munich ... ..		30.04	54	SW	3	r	29.97	-.01	59	+2	SW	4	o	*	0.24	68	52							
C. Gris Nez ... ..		30.04	56	WSW	6	o	29.99	-.01	58	-3	W	5	c	4	Trace	59	52							
La Hève ... ..		30.15	57	WNW	3	bc	30.04	*	55	o	WNW	4	o	4	0.08	64	50							
Brest (St. Mathieu) ... ..		30.15	56	WSW	2	o	30.09	+0.01	54	-1	ENE	2	o	2	0.24	61	52							
Lorient (Roc Melan) ... ..		30.19	57	W	4	o	30.06	*	59	+2	WNW	3	r	3	0.06	64	50							
Rochefort (Ile d'Aix) ... ..		30.17	61	NW	4	o	30.15	-.00	59	-1	WSW	2	o	*	-	68	55							
Biarritz ... ..		30.19	64	NNE	3	bc	30.17	+0.01	63	o	E	3	b	2	-	70	59							
Paris ... ..		30.11	62	WNW	3	o	30.08	-.00	54	-5	SW	2	o	*	0.04	68	51							

GALES  
Duration and Extreme Force  
on British Coasts.

Thunderstorm hours

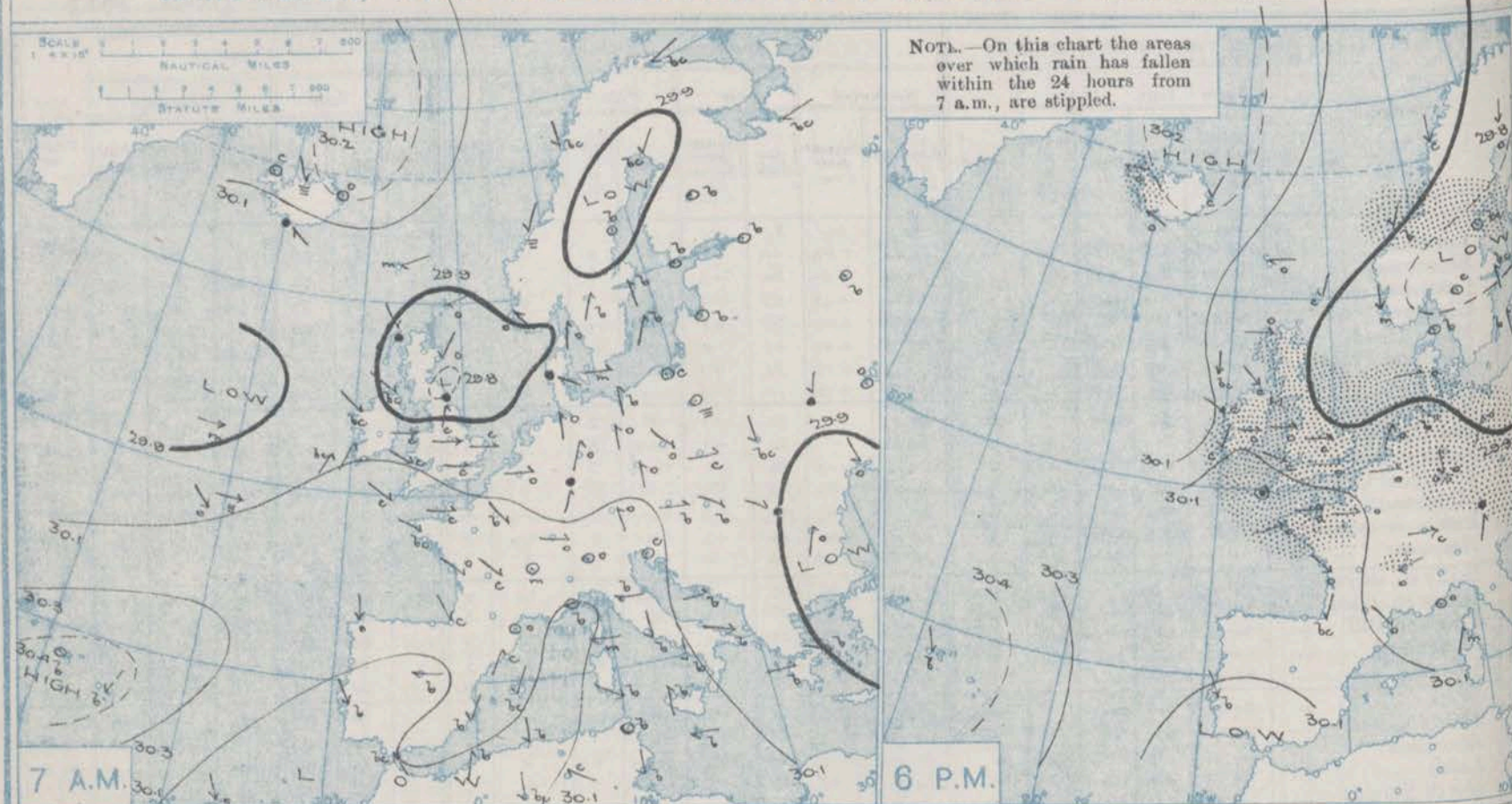
Thunderstorm yesterday

\* 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. 24<sup>TH</sup> JUNE



## GENERAL INFERENCE

## WEATHER PROSPECTS.

The barometer appears likely to continue to rise over these Islands, with a wind current

between North and North West, a temperature below the normal, and gradually improving weather.

## FORECAST'S FOR THE 24 HOURS NOON Wednesday TO NOON Thursday.

0 {  
a  
b  
1 } Wind mainly Northerly, light or moderate, gusty, variable sky, some local showers; very cool.

2 {  
a  
b  
3 } Wind between North-West and West, light or moderate, gusty; a good deal of cloud, some local showers, improving later; 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 Cone.	South Cone.
North Cone.	North Cone.

6 {  
a  
b  
7 } Wind mainly Northerly, light or moderate; fair generally, but some local showers; very cool.

8 {  
a  
b  
9 } Northerly to variable winds, light; fair generally; temperature below the normal.

10 {  
a  
b

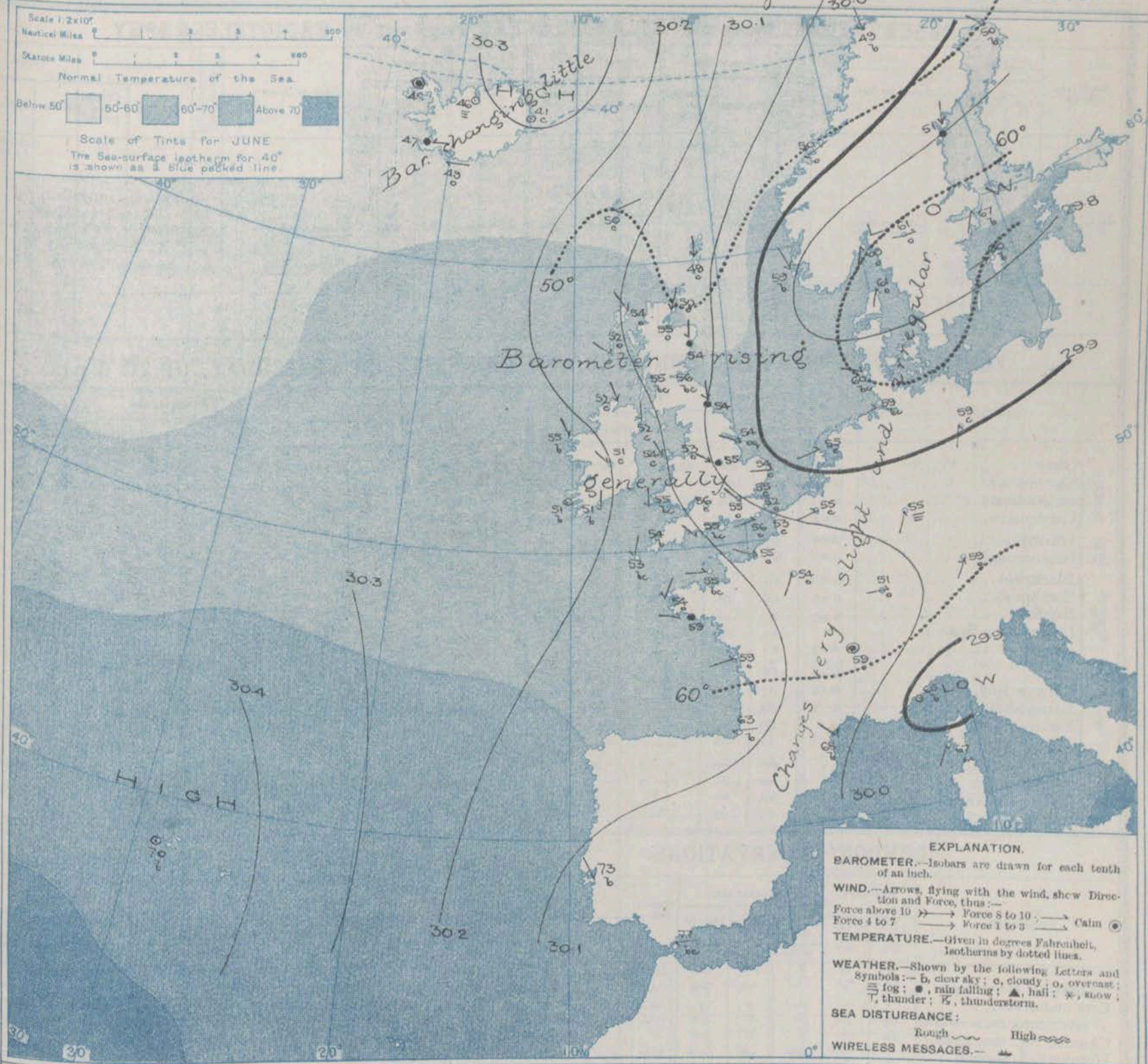
### 11 WESTERN CHANNEL AND BAY.

Northerly or North-Westerly winds, light or moderate; sea slight; mostly fair.

## THE FURTHER OUTLOOK.



# SYNOPTIC CHART FOR 7 A.M. Wednesday, 25<sup>th</sup> JUNE 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

The depression which lay over the north-east of England yesterday morning has now reached Southern Scandinavia, where the barometer is below 29.3 in. The highest pressure, above 30.4 in, is found over the Azores region, but in the west of Ireland, where a decided increase has occurred during the night, it is above 30.2 in.

over the United Kingdom and the northern part of the North Sea the wind is mainly Northerly to North-Easterly, drawing into the Sketward in East Anglia and across the North Sea to North

Germany. A fresh breeze prevails in a few localities, but generally the force is light or moderate. Temperature remains below the normal, over these islands it varies from 56° at Dringness and Leth to 51° in Central Ireland, and to 43° at Lerwick. Showers are falling locally in the north-eastern and central parts of Great Britain, and over these islands generally the sky is cloudy or overcast on the extreme western and south-western coasts however, the weather is mostly fair to bright. Cloudy or overcast skies are reported in many parts of the Continent, with rain at Havre and Lyons, but in the south of France and over a large portion of Scandinavia the sky is clear.



## DAILY WEATHER REPORT.

Wednesday, 25th June 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 6pm.	35	10	Canada	H	30.06	-00	N	4-5	bc	24th 7pm	51	22	Sicilian	O	29.86	+09	W	4-5	m
											48	19	Kronland	O	30.00	+06	W	4-5	f

## 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	0.09	58	50	cd.e.bc	bc	4.3	England, S.E.	Margate	0.02	62	47	o	o	1.7
	Stonehaven	0.10	59	50	cg	c	2.6		Ramsgate		64	46	"	"	1.3
	St. Andrews	0.04	68	50	f.c.bc	to bc.o	2.4		Folkestone		63	49	c.o	o.c	2.4
	Carnoustie	0.07	59	49	"	"	1.6		Littlestone		"	"	"	"	1.6
England, N.E.	Harrogate	0.37	57	50	op.b.bc	or.o.c	1.3	England, S.E.	Hastings		61	48	o.bc	c.o	2.6
	Scarborough	"	61	51	bc	or	2.3		Bexhill-on-Sea		61	50	c.o.c	o.c.o	2.5
	Blackpool	0.04	59	52	o	c.o	1.0		Eastbourne		61	51	bc	bc.o	2.7
	Southport	0.08	56	51	or.bc	o.bc.o	0.0		Seaford		60	53	o	c	1.5
England, N.W.	Buxton	0.42	55	46	cp	cp	0.0	England, S.W.	Brighton		63	51	o.c.o	o	1.2
	Leamington Spa	"	62	53	c.b	p	3.8		Worthing		61	48	c	c	2.4
	Douglas	0.23	57	50	opg	opg	1.0		Littlehampton		63	48	o.c	c.o	0.9
	Malvern	"	"	"	"	"	2.1		Southsea		60	51	c.bc	o.c	1.3
Wales.	Rhyl	0.09	58	50	r.c	o.c	2.0	England, S.W.	Bournemouth		61	52	o.c	o	1.1
	Colwyn Bay	0.12	57	49	p	bc	1.0		Exmouth	0.01	60	52	bc	c.o	1.5
	Llandudno	0.12	59	50	"	"	0.0		Weymouth		63	53	bc	c.o	3.2
	Bettws-y-Coed	"	59	51	c.bc.c	c	0.8		Teignmouth		61	51	b.bc.c	c	3.2
England, E.	Aberystwyth	0.02	56	52	o.c.o	o.c.b	1.8	England, S.W.	Torquay		58	50	b.bc	bc.c	3.3
	Lowestoft	"	63	49	c.o.c	o.c	1.5		Paignton		59	48	bc	c	1.6
	Felixstowe	"	62	51	cm.o	m.o.c	0.2		Ilfracombe	0.01	59	53	o.c	bc.cpr	5.2
	Walton-on-Naze	"	63	49	c.bc	c	2.3		Weston-super-Mare		61	52	b.bc	bc.o	
Southend-on-Sea		"	62	52	bc	bc	3.0								

## 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.	
					24 HOURS ENDED 9 A.M. TO-DAY.														
%	%	F.	F.	F.	In.				Hr.	In.	F.	F.	F.				Hr.		
Greenwich (Royal Obs.) ...	56	75	64	49	46	0.01	o	o	o.op	1.2	Dublin to 4 p.m.	0.10	61	50	48	op	bc	bc	2.0
City (Bunhill Row) ...	"	"	"	"	"	"	"	"	"	1.2	Plymouth to 9 p.m.	0.03	59	49	43	o	ov	ov	0.0
Westminster (St. James's Pl.)	59	74	61	51	50	0.02	bcu	ow	bc	1.0	Darwen	0.49	53	48	47	ow	ov	ow	0.0
Camden Sq. (Brit. Rainfall)	58	70	64	51	48	—	o.bc	bc.o	bc.e	2.1	Manchester	?	56	50	"	o.ov	ov	ot.o	0.0
Hampstead (Reservoir) ...	"	77	59	48	44	0.01	c.o	o	o.op	1.6	Birmingham	—	57	51	48	o.	o.c	c	0.0
Kew. (See front page.)											Oxford to 8 p.m.	"	60	52	46	b.bc	ow.o	o.c.o	
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETER DURING YESTERDAY.																			
				Total.		Mean Rate.		Max. Rate.											
S. Kensington (Roof of M.O.)	53	74	1000 Joules.		16.2 Milli-watts.		57.5 Milli-watts.		1.1	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

25th & 26th June, 1913.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth	...	3.32	11.55	8.13
	...	3.35	11.55	8.13
Greenwich	...	3.45	12.2	8.13
	...	3.45	12.2	8.13
Wick	...	3.8	12.4	8.20
	...	3.8	12.4	8.20
Valencia	...	4.23	12.43	9.3
	...	4.23	12.43	9.3

During yesterday temperature remained below 65° in almost all parts of the Kingdom, and failed to touch 60° in many localities. Rain has fallen in most districts, as a rule, in light or moderate quantities, but at Donaghadee the measurement is as much as 1.1 in. Thunder was heard in some parts of Scotland and the north-east of England. The duration of bright sunshine was very slight generally, the highest figure being 5.2 hours at Weston-super-Mare.

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.

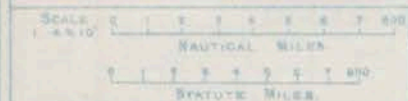
The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrapping.



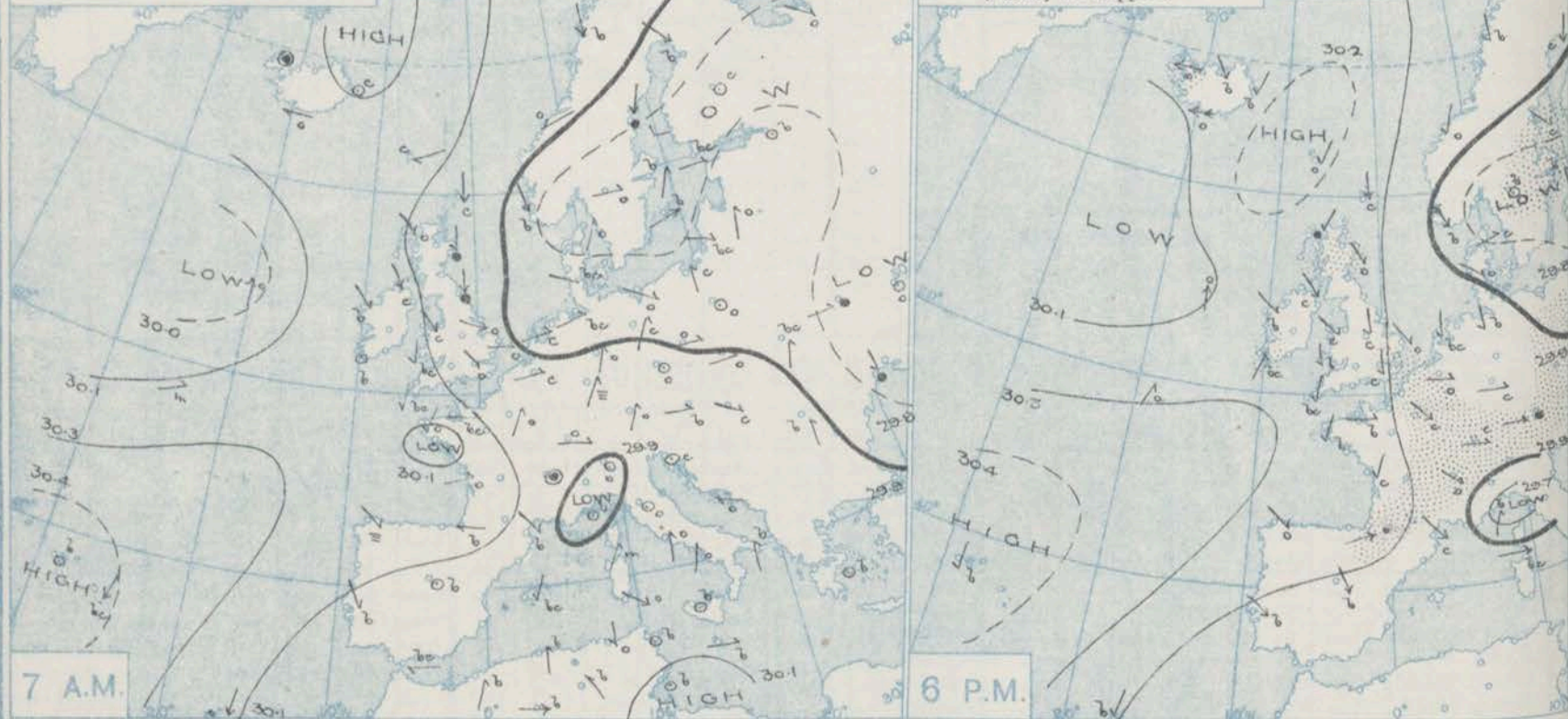
† Received too late for insertion in Charts.



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 25<sup>th</sup> JUNE



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 ridge now covering the United Kingdom will move slowly in an easterly or south-easterly

direction, while depressions on the Atlantic encroach on our north-western and northern districts.

### FORECASTS FOR THE 24 HOURS NOON Thursday

- 0 { Wind shifting to the Southward, light or moderate; fair, then some rain, cool.
- 1 { Light winds, rather variable; mostly fair; temperature rising.
- 2 { a } Wind light, mainly between North-West and West; fair generally; becoming rather warmer.
- 3 { b }
- 4 { a }
- 5 { b }

### FORECAST DISTRICTS.



### STORM WARNINGS.

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

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

No Warnings Issued.

### TO NOON Friday.

- Same as No. 0.
- 6 { a } Wind between West and South, light or moderate; fair to-day; some rain not improbable to-morrow; temperature rather higher.
- 7 { b }
- 8 { a } Light winds, between West and South; fair generally, rather warmer.
- 9 { b }
- 10 { a } Wind mainly Southerly or South Westerly, light or moderate, variable weather, some rain, most in west; temperature rising.
- 11 { b }

### 11 WESTERN CHANNEL AND BAY.

North-Westerly to South-Westerly winds, light or moderate; sea slight or smooth; fair generally.

### THE FURTHER OUTLOOK.



## JUNE 1913



The wind is light over the United Kingdom and its immediate vicinity, mainly from between West and South along the western seaboard, and between North and West in the east. Beyond the North Sea the Northerly to North-Northerly

breeze is more decided, and at Shussumas reaches the force of a gale. A strong gale from South East is reported on the southwest coast of Iceland. Temperature remains below the normal generally. Over these Islands it ranges from  $58^{\circ}$  at Newquay, and  $57^{\circ}$  at Dungeness to  $49^{\circ}$  at Malin Head Lark and Lerwick. A good deal of cloud is reported in this country and over a large portion of central and northern Europe, and rain is falling on the west coast of Norway and also at Munich. In most parts of France and in the extreme south west of England, however, the sky is fair to bright.



## DAILY WEATHER REPORT.

Thursday 26th June, 1913.

## OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
26th 7am	50	14	Adriatic	H	30.36	+0.04	WNW	4-5	0						In.	In.		(0-12).	
25th 6pm	49	19	Adriatic	H	30.28	+0.01	SW	1-3	0	25th 7am	48	21	Adriatic	H	30.17	0.00	SW	1-3	
"	54	15	Virginian	H	30.08	+0.01	S	4-5	0	"	54	20	Virginian	H	29.96	0.00	S	4-5	
1pm	55	10	Laurentic	O	30.24	+0.03	W	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	...	59	50	...	...	0.6	England, S.E.	Margate	...	64	51	...	bc	...
	Stonehaven	...	60	52	...	...	0.2		Ramsgate	...	62	47	...	...	...
	St. Andrews	...	66	48	...	...	5.6		Folkestone	...	61	47	...	...	...
	Carnoustie	...	62	46	...	...	2.2		Littlestone	...	61	45	...	...	...
England, N.E.	Harrogate	...	62	51	...	...	3.1	England, S.W.	Hastings	...	64	45	...	...	...
	Scarborough	...	61	52	...	...	3.6		Bexhill-on-Sea	...	66	46	...	...	...
England, N.W.	Blackpool	...	60	53	...	...	7.7		Eastbourne	...	67	47	...	...	...
	Southport	...	59	53	...	...	5.5		Seaford	...	67	47	...	...	...
	Buxton	...	60	48	...	...	2.2	England, E.	Brighton	...	68	48	...	...	...
	Leamington Spa	...	63	51	...	...	1.0		Worthing	...	67	46	...	...	...
Wales.	Douglas	...	58	50	...	...	8.5		Littlehampton	...	67	48	...	...	...
	Malvern	...	58	51	...	...	3.4		Southsea	...	67	48	...	...	...
	Rhyl	...	58	51	...	...	2.0	England, S.W.	Bournemouth	...	68	44	...	...	...
	Colwyn Bay	...	58	51	...	...	4.0		Exmouth	...	66	47	...	...	...
England, E.	Llandudno	...	61	51	...	...	5.0		Weymouth	...	70	47	...	...	...
	Bettws-y-Coed	...	58	51	...	...	3.5		Teignmouth	...	67	46	...	...	...
	Aberystwyth	...	58	51	...	...	5.0		Torquay	...	67	46	...	...	...
	Lowestoft	...	61	51	...	...	3.6		Paignton	...	61	52	...	...	...
England, E.	Felixstowe	...	64	52	...	...	3.5		Ilfracombe	...	67	52	...	...	...
	Walton-on-Naze	...	63	51	...	...	5.2		Weston-super-Mare	...	67	52	...	...	...
England, E.	Southend-on-Sea	...	64	52	...	...	6.0								

## LONDON OBSERVATIONS.

## Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.		Rainfall.	WEATHER.		Sunshine for Yesterday.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine for Yesterday.
	% 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.)	62	57	67	53	4.3	...	...	3.9	Dublin to 4 p.m.	0.01	61	47	45	p.c.b	bc
City (Banhill Row)	...	...	...	...	...	...	...	4.3	Plymouth to 9 p.m.	...	...	...	...	...	...
Westminster (St. James's Pl.)	71	59	66	54	4.8	0.05	0	3.9	Darwen	0.01	64	49	48	...	...
Camden Sq. (Brit. Rainfall)	65	55	67	52	4.9	0.05	bc, bc	5.3	Manchester	Trace	64	50	...	...	...
Hampstead (Reservoir)	...	58	63	51	4.0	0.01	bc, bc	4.4	Birmingham	...	62	51	47	...	...
Kew. (See front page.)	...	...	...	...	...	...	...	...	Oxford to 8 p.m.	...	...	...	...	...	...
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETER DURING YESTERDAY.															
Total.			Mean Rate.		Max. Rate.				S. Kensington (Museum Grounds to 6 p.m.)						
114.5 Joules.			24.2 Milli-watts.		75 Milli-watts.				0.01 66 51 48 0 0.01 op.c						

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

26th to 27th June 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 3.33 3.33	G.M.T. 11.55 11.55	G.M.T. 8.18 8.18
Greenwich	3.46 3.46	12.2 12.3	8.19 8.19
Wick	3.8 3.9	12.16 12.15	8.20 8.20
Valencia	4.23 4.24	12.23 12.44	8.3 8.3

During yesterday temperature rose to 70° at Weymouth, but remained below 65° over the greater part of the kingdom, below 60° at many northern and western stations. Rain was experienced in various localities, with thunder and lightning at some places in the south and south-east of England. Much bright sunshine was recorded in Ireland and the south-west of England but generally the duration was moderate or slight. In some parts of Scotland the day was sunless. Wireless reports show that as far west as the 24th meridian there was a light to moderate breeze from the Southward or South-Westward.

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.



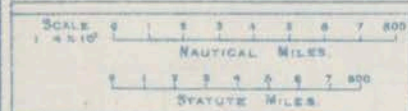
# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Friday,  
27th June 1913.

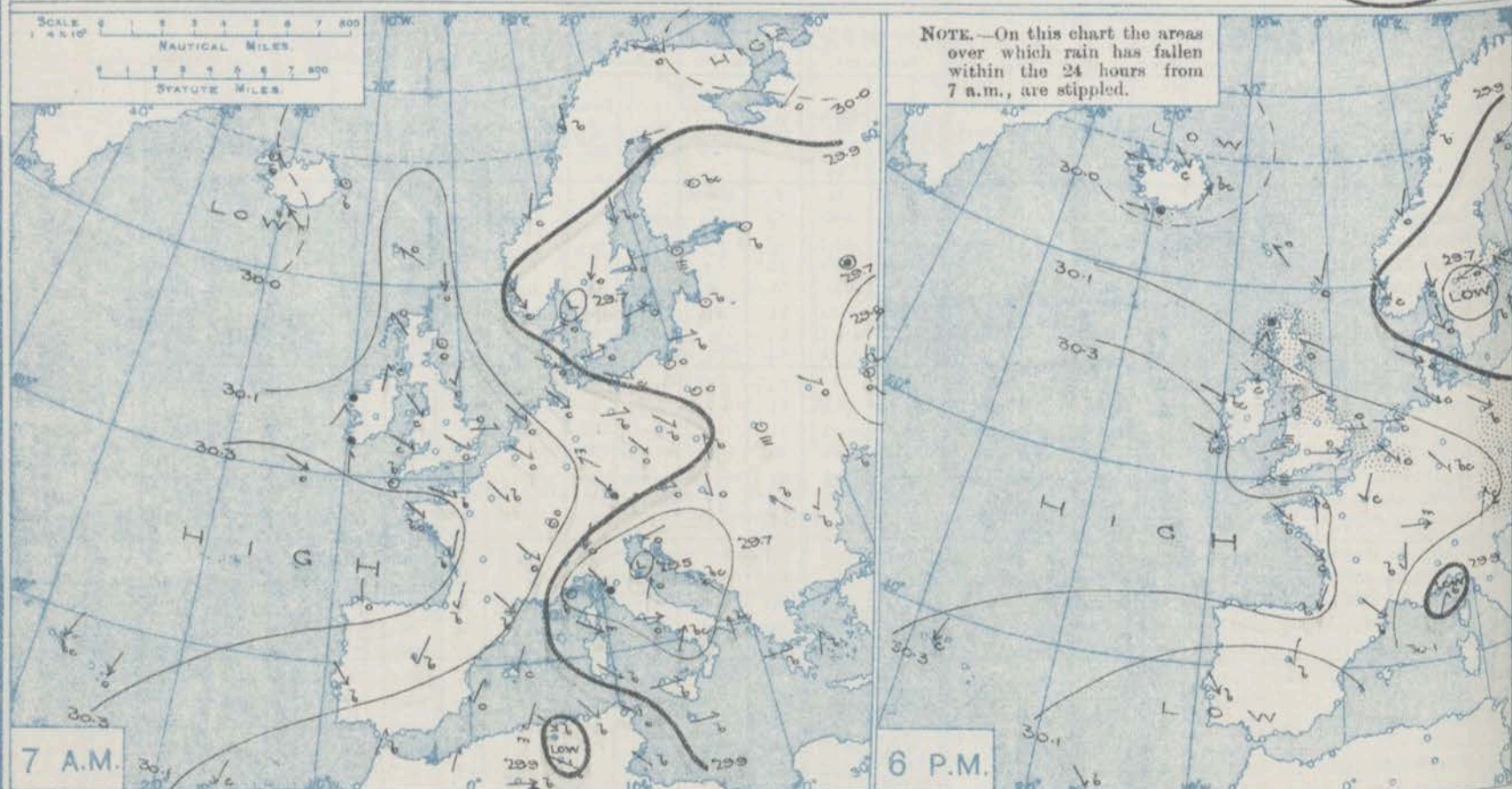
STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shine for Yester- day.						
		BAROM.		TEMP.		WIND.	Force (0 to 12).	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.									
		At 32° Fabr. and M.S.L. Lat. 45°.		Dry Bulb.					At 32° Fabr. and M.S.L. Lat. 45°.		Change since 4 a.m.							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.	Dir.	Force (0 to 12).				In.	F.	Dir.	Force (0 to 12).												Dir.	Force (0 to 12).	Dir.	Force (0 to 12).		
BRITISH ISLANDS.																													
Lerwick	...	30.06	50	NNE	3	0	30.08	+0.2	50	+1	NNW	2	c	4	0.01	52	47	0	0	c	Hours								
Stornoway	...	30.06	53	SW	3	0	30.18	+0.2	53	+2	NNW	4	bc	4	0.02	55	48	0	0	bc	0.0								
Castlebay (Barra Isd.)	...	30.12	52	W	4	0	30.25	+0.3	52	+1	NNW	3	0	3	0.06	55	50	0	0	bc	1.1								
Glasgow	...	30.11	55	W	3	0	30.22	+0.5	52	0	NNW	4	bc	4	0.02	59	48	0	0	bc	1.3								
Malin Head	...	30.17	53	NW	8	0	30.28	+0.4	52	+3	NNW	4	bc	3	0.02	56	49	0	0	bc	0.0								
Blackhead Point	...	30.27	57	NNW	4	bc	30.37	+0.2	54	0	NNW	2	b	1	0.03	58	50	0	0	bc	0.0								
Valencia	...	30.34	56	NNW	4	bc	30.44	+0.2	54	-2	W	2	bc	3	0.03	58	53	0	0	bc	0.0								
Roches Point	...	30.26	60	NNW	4	b	30.47	0	54	+2	NW	3	c	2	0.01	62	48	0	0	bc	0.0								
Birr Castle	...	30.22	59	NW	4	0	30.36	0	53	+1	W	2	bc	2	0.01	60	46	0	0	bc	3.5								
Donaghadee	...	30.15	55	NNW	3	cp	30.28	+0.3	51	0	NW	3	bc	3	0.02	59	49	0	0	bc	0.0								
Liverpool Obsy.	...	30.17	56	W	4	0	30.25	+0.2	52	-2	NNW	5	c	4	0.02	63	51	0	0	bc	5.2								
Holyhead	...	30.17	52	WSW	2	cm	30.30	+0.3	53	-3	NW	4	bc	3	0.01	61	51	0	0	bc	3.6								
Pembroke (St. Ann's Hd.)	...	30.22	55	WSW	3	f	30.35	+0.3	53	-1	NNW	3	bc	3	0.01	59	51	0	0	bc	5.3								
Newquay	...	30.27	57	SW	2	0	30.34	+0.5	55	-3	NW	6	b	5	0.02	61	54	0	0	bc	9.9								
Scilly (St. Mary's)	...	30.27	57	WSW	3	fe	30.38	+0.3	56	+1	N	4	bc	4	0.02	61	52	0	0	bc	7.1								
Jersey (St. Aubin)	...	30.31	61	NNW	3	c	30.30	0	59	+1	NNW	3	c	3	0.01	62	55	0	0	bc	11.8								
Portland Bill	...	30.23	57	WSW	3	c	30.27	+0.4	56	+1	NW	5	bc	4	0.01	65	55	0	0	bc	0.0								
Dungeness	...	30.16	61	WSW	3	c	30.16	+0.1	60	+3	NNW	4	bc	2	0.01	65	53	0	0	bc	0.0								
Dover	...	30.18	61	NE	1	b	30.17	0	57	+1	NW	4	0	4	0.01	64	55	0	0	bc	3.0								
Wick	...	30.08	48	-	0	0	30.09	+0.4	51	+2	NW	4	cp	3	0.09	52	46	0	0	bc	0.0								
Nairn	...	30.07	54	-	0	0	30.17	0	52	+2	NNW	2	c	2	0.05	57	47	0	0	bc	0.1								
Aberdeen	...	30.07	52	ESE	1	0	30.11	+0.2	54	+3	NNW	6	bc	2	0.07	56	49	0	0	bc	0.0								
Leith	...	30.06	56	WSW	3	0	30.19	+0.5	55	0	W	2	b	2	0.01	63	50	0	0	bc	0.0								
North Shields	...	30.10	61	WSW	3	c	30.17	+0.3	53	0	NNW	3	0	3	0.01	65	52	0	0	bc	0.0								
Spurn Head	...	30.11	62	NNW	4	c	30.13	+0.2	55	-1	NNW	5	cp	5	0.02	64	53	0	0	bc	1.2								
Yarmouth	...	30.14	61	W	2	0	30.13	+0.1	53	-1	NNW	2	0	2	0.08	62	53	0	0	bc	0.1								
Clacton-on-Sea	...	30.16	64	SW	1	bc	30.16	+0.2	56	+2	NNW	4	0	2	0.01	64	54	0	0	bc	1.7								
Nottingham	...	30.14	63	W	4	0	30.20	0	55	+2	NNW	4	om	2	0.01	67	50	0	0	bc	2.0								
Bath	...	30.23	61	NNW	4	c	30.30	0	56	+2	N	3	b	2	0.01	67	53	0	0	bc	2.9								
London (Kew Obsy.)	...	30.17	67	W	2	0	30.23	+0.4	56	0	NW	2	0	2	0.01	68	53	0	0	bc	6.5								
ICELAND, FAEROE, &c.																													
Spitzbergen	...	29.75	35	NW	5	b	29.67	-0.1	39	0	-	0	0	0	0	39	32	0	0	0	0.0								
Isafjord	...	29.95	52	E	3	0	30.02	+0.2	44	-6	-	0	0	0	0	0	0	0	0	0	0.0								
Reykjavik	...	29.95	52	E	4	0	30.05	0.0	48	+1	-	0	0	0	0	0	0	0	0	0	0.0								
Vestmanna	...	29.95	47	W	1	0	30.07	0.0	49	+4	-	0	0	0	0	0	0	0	0	0	0.0								
Seydisfjord	...	29.96	58	SSW	4	bc	30.01	+0.1	47	+4	-	0	0	0	0	0	0	0	0	0	0.0								
Thorshavn	...	30.07	52	SE	2	0	30.09	+0.2	49	+1	-	0	0	0	0	0	0	0	0	0	0.0								
SCANDINAVIA.																													
Haparanda	...	29.85	50	ENE	4	0	29.84	0.0	52	+2	NE	6	b	0	0	54	43	0	0	0	0.0								
Hernösand	...	29.72	58	SE	2	0	29.63	-0.1	54	-3	ENE	2	0	0	0	68	52	0	0	0	0.0								
Stockholm	...	29.72	58	S	2	0	29.69	-0.1	59	-1	WSW	4	bc	0	0	68	52	0	0	0	0.0								
Wisby	...	29.72	58	S	2	0	29.69	-0.1	59	-1	WSW	4	bc	0	0	68	52	0	0	0	0.0								
Karlstad	...	29.69	53	ENE	2	0	29.71	0.0	52	-3	N	2	0	0	0	59	50	0	0	0	0.0								
Färder (X'laula Fjord)	...	29.74	58	N	4	c	29.76	+0.1	56	-1	WSW	5	c	2	0	59	54	0	0	0	0.0								
Bodö	...	29.93	51	N	2	b	29.92	+0.1	49	-1	N	1	b	1	0	52	43	0	0	0	0.0								
Christiansund	...	29.94	49	NE	1	0	29.97	+0.2	47	-2	ENE	2	0	2	0	50	46	0	0	0	0.0								
Skudesnaes	...	29.86	52	NNW	8	c	29.90	+0.1	51	-2	NNW	6	0	2	0	55	48	0	0	0	0.0								
The Scaw (Skagen)	...	29.76	58	N	4	0	29.77	+0.1	58	-2	NNW	4	c	1	0	64	55	0	0	0	0.0								
Blaavands Huk	...	29.95	52	NW	4	0	29.92	0.0	53	-1	NW	4	0	3	0	55	50	0	0	0	0.0								
GERMANY, &c.																													
Cuxhaven	...	30.02	55	NW	3	0	29.97	0.0	55	-1	NNW	3	0	0	0	59	52	0	0	0	0.0								
The Helder	...	30.12	55	WSW	3	0	30.06	+0.1	58	+3	NW	3	0	2	0	59	54	0	0	0	0.0								
Brussels	...	30.17	57	NW	1	0	30.10	0.0	55	-1	NW	1	0	0	0	62	52	0	0	0	0.0								
Berlin	...	29.97	63	NW	4	b	29.97	-0.1	54	-6	SW	3	0	0	0	70	52	0	0	0	0.0								
Frankfurt	...	30.15	58	NW	1	bc	30.08	-0.1	56	-2	SW	1	0	0	0	68	55	0	0	0	0.0								
Munich	...	30.17	52	SW	5	c	30.13	+0.4	50	+1	SW	3	0	0	0	57	48	0	0	0	0.0								
FRANCE.																													
C. Gris Nez	...	30.18	59	WSW	4	bc	30.17	+0.3	57	0	NNW	4	c	3	0	66	55	0	0	0	0.0								
La Hève	...	30.23	57	NNW	4	m	30.23	0	56	-2	NNW	4	c	4	0	64	50	0	0	0	0.0								
Brest (St. Mathieu)	...	30.36	64	NW	2	b	30.39	+0.3	56	+1	NNW	4	c	2	0	66	52	0	0	0	0.0								
Lorient (Bec Melan)	...	30.31	62	NNW	6	bc	30.34	0	58	+4	NNW	4	0	3	0	64	54	0	0	0	0.0								
Rochefort (Ile d'Alx)	...	30.30	64	NW	4	c	30.32	+0.3	59	+1	NNE	4	0	0	0	70	52	0	0	0	0.0								
Biarritz	...	30.31	68	NNE	3	b	30.34	+0.2	63	-3	NNE	2	b	2	0														



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 26<sup>th</sup> JUNE



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 on the Atlantic is likely to continue to spread or move over the

United Kingdom, and generally fair weather is consequently expected.

## FORECASTS FOR THE 24 HOURS NOON

Friday

TO NOON Saturday

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

Wind between North-West and North, decreasing gradually in force; fair generally, overcast at times; 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 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.

Wind light or moderate, between North-West and South-West; fair or fine; temperature rising somewhat.

## 11 WESTERN CHANNEL AND BAY.

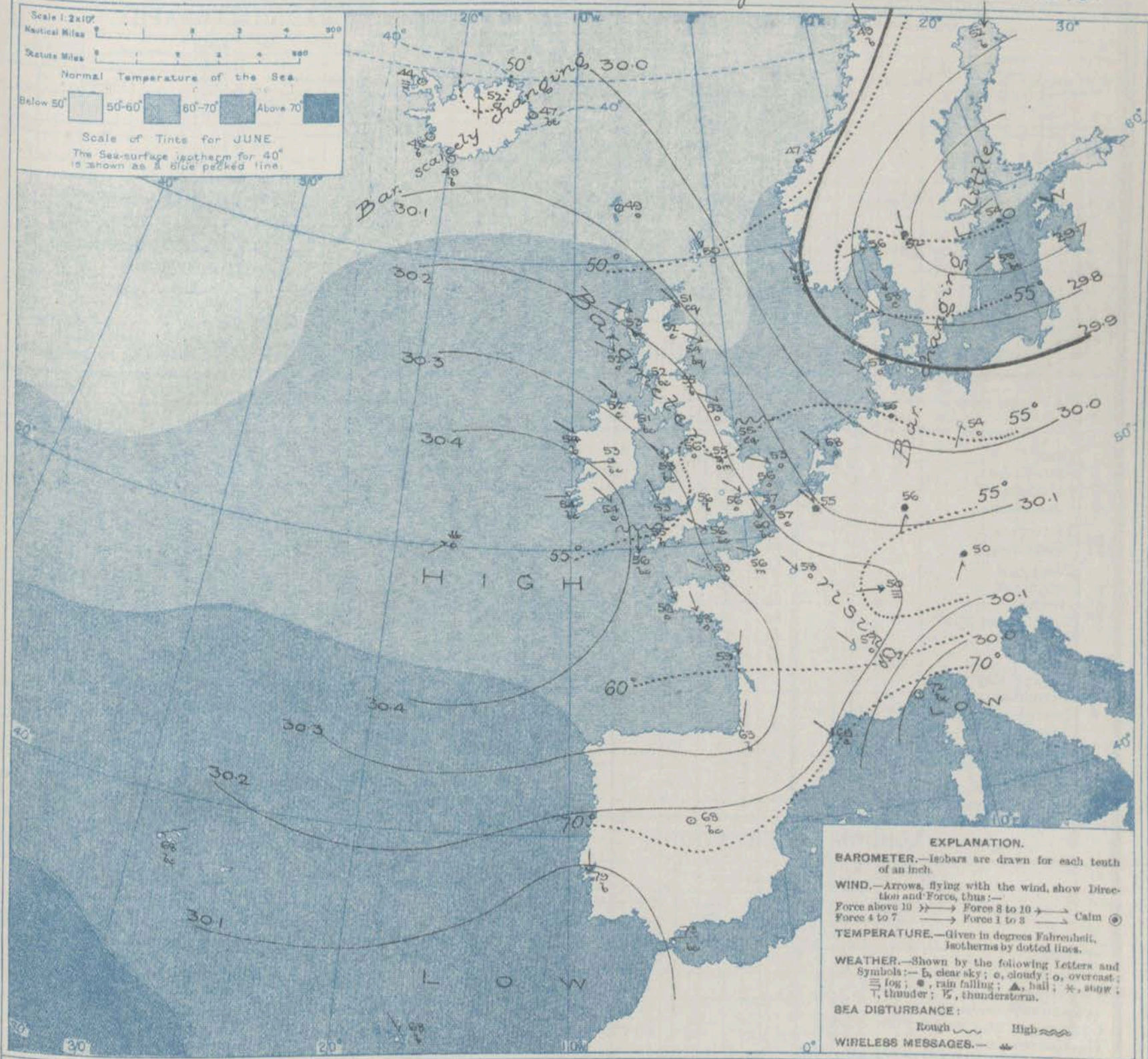
North-Westerly or Northerly winds, moderate or light; fine generally; sea moderate or slight.

## THE FURTHER OUTLOOK. (All Districts.)

Fine generally and warmer.



# SYNOPTIC CHART FOR 7 A.M. *Friday, 27<sup>th</sup>* JUNE 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure is above 30.4 in. in the south-west of Ireland and over a considerable area on the Atlantic, below 30.0 in. in the south-east of France, and below 29.7 in. over the south-east of Sweden.

Over the United Kingdom, the North Sea and France the wind is mainly from between North and North-West, light or moderate in most localities, but fresh or strong in some parts of this country.

In Iceland calms are reported. Temperature has undergone little change. Over these Islands it ranges from 60° at Dingness to 55° or a little below over a large area, and to 50° at Lerwick. Fair weather is reported in almost all parts of the United Kingdom, but the sky is temporarily overcast in some localities, and much cloud prevails in most parts of France, the Netherlands, Central and Northern Europe, with rain at Brussels, in South Germany, and at Karlstad.



## DAILY WEATHER REPORT.

Friday, 27th June, 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, 7am.	50	17	Olympic	O	30.46	-0.2	SW	1-3	O	26th, 1pm	51	10	Adriatic	H	30.38	?	NW	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 ...	...	55	50	c-bc	O	0.2	England, S.E.	Margate ...	...	66	52	bc-b	bc-b.	4.5
	Stonehaven ...	0.03	60	49	g-o	or	0.0		Ramsgate ...	...	65	53	*	*	5.4
	St. Andrews ...	...	63	51	o	o	0.0		Folkestone ...	...	64	54	b-bc-o.	bc-c.	3.0
	Carnoustie ...	...	56	50	*	*	0.7		Littlestone ...	...	*	*	b-b	b.	6.1
Eng. N.E.	Harrogate ...	0.01	62	50	o-bc	bc-op-o.	2.3	England, S.E.	Hastings ...	...	66	54	b-bc	b.	7.6
	Scarborough ...	...	64	52	o-c	c-b.	1.8		Bexhill-on-Sea ...	...	66	54	b-bc	c-bc-c.	8.5
England, N.W.	Blackpool ...	...	61	54	o-c	op	2.9	England, S.E.	Eastbourne ...	...	66	55	bc-o.	b-bc	9.8
	Southport ...	0.01	61	54	o-bc.	bc-op-r	3.6		Seaford ...	...	66	54	bc	bc-c-o.	9.1
	Buxton ...	0.01	62	48	bc	bc-r	3.5		Brighton ...	...	67	51	bc	bc	7.4
	Leamington Spa ...	...	68	46	c-b.	c-b.	4.0		Worthing ...	...	?	50	*	*	7.4
Wales.	Douglas ...	...	61	50	g-d-c.	gc	1.0	England, S.W.	Littlehampton ...	...	69	52	c-b-bc	bc.	7.6
	Rhyl ...	...	65	53	bc.	bc-o.	3.4		Southsea ...	...	68	49	b-bc.	bc-c.	9.2
	Colwyn Bay ...	...	67	52	bc-b.	b-bc.	6.5		Bournemouth ...	...	66	49	b-bc.	c-bc.	7.3
	Llandudno ...	...	...	...	...	...	...		Exmouth ...	...	68	52	bc	bc-c.	10.5
England, E.	Bettws-y-Coed ...	...	59	55	o-c-b.	c-o.	5.5	England, S.W.	Weymouth ...	...	68	51	c	c-b.	11.1
	Aberystwyth ...	...	...	...	...	...	...		Teignmouth ...	...	66	49	b	b	11.5
	Lowestoft ...	...	63	50	o-c-o.	o	0.2		Torquay ...	...	68	49	b	b	6.0
	Felixstowe ...	...	62	50	m-o-c.	cm	0.8		Paignton ...	...	60	55	c-bc.	bc-c-o.	7.0
England, E.	Walton-on-Naze ...	...	62	50	o-g	c	0.6	England, S.W.	Ilfracombe ...	...	63	51	bc-b.	b-bc-b.	...
	Southend-on-Sea ...	...	67	54	b	b	10.5		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.				In Screen.	Night Min. on Grass.	Night.	Fore- noon.	
Greenwich (Royal Obs.) ...	55	67	69	55	49	0.01	c-o	6.3	Dublin to 4 p.m.	...	63	48	44	o-bc.	6.3
City (Bunhill Row) ...	*	*	68	55	50	*	bc	6.6	Plymouth to 9 p.m.	...	65	48	43	adf	6.7
Westminster (St. James's Pk.)	59	72	68	55	50	*	bc	6.7	Darwen "	0.05	62	50	50	ou-c.	8.0
Camden Sq. (Brit. Rainfall)	52	65	71	54	50	*	b-bc	8.0	Manchester "	trace	63	52	*	o.	7.8
Hampstead (Reservoir) ...	*	66	67	52	44	*	bc	7.8	Birmingham "	...	66	48	41	o	...
Kew. (See front page.)	...	...	...	...	...	...	...	...	Oxford to 8 p.m.	...	...	...	...	...	...
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.									S. Kensington	...	69	54	44	o-bc	...
Total.									(Museum Grounds to 6 p.m.)	...	...	...	...	...	...
Mean Rate.									...	...	...	...	...	...	...
Max. Rate.									...	...	...	...	...	...	...
S. Kensington (Roof of M.O.)									...	...	...	...	...	...	...

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

27th & 28th June, 1913.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 3.33 3.34	G.M.T. 11.56 11.56	G.M.T. 8.18 8.18
Greenwich ...	3.46 3.47	12.3 12.3	8.19 8.19
Wick ...	3.9 3.9	12.5 12.5	8.20 8.20
Valencia ...	4.24 4.25	12.44 12.44	9.3 9.3

## NOTES ON YESTERDAY'S WEATHER.

During yesterday the thermometer rose to above 65° in many parts of England, but failed to reach 60° over a considerable area in the west and north of the Kingdom. Slight rain fell in many localities, and except in the south and south-west, and locally in Wales and Central England, the duration of bright sunshine was slight.

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 wrappings.



12.25.

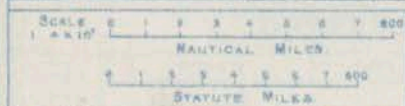
Saturday,  
28th June 1913.

## DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

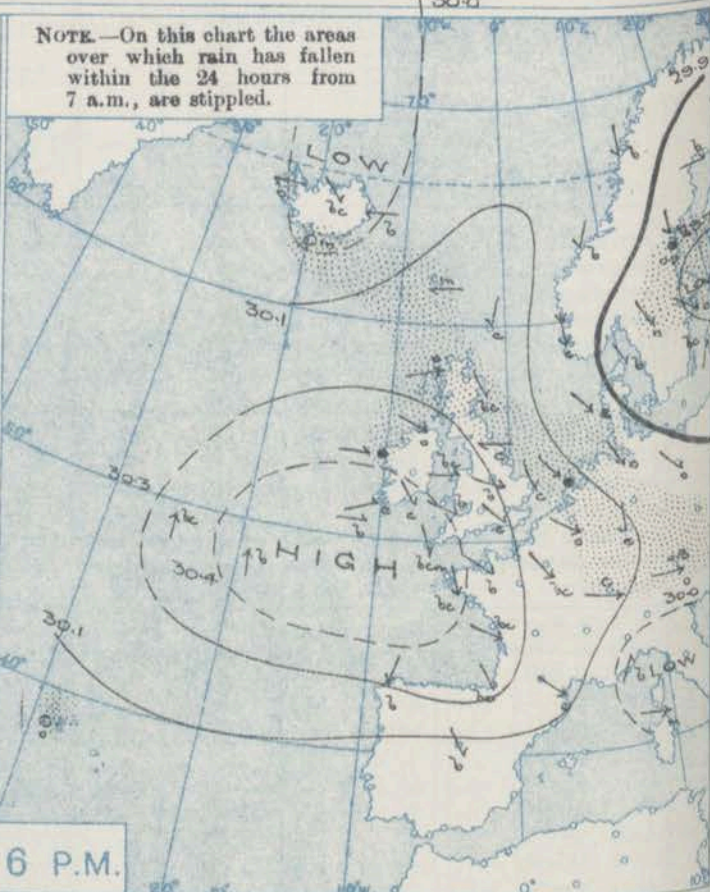
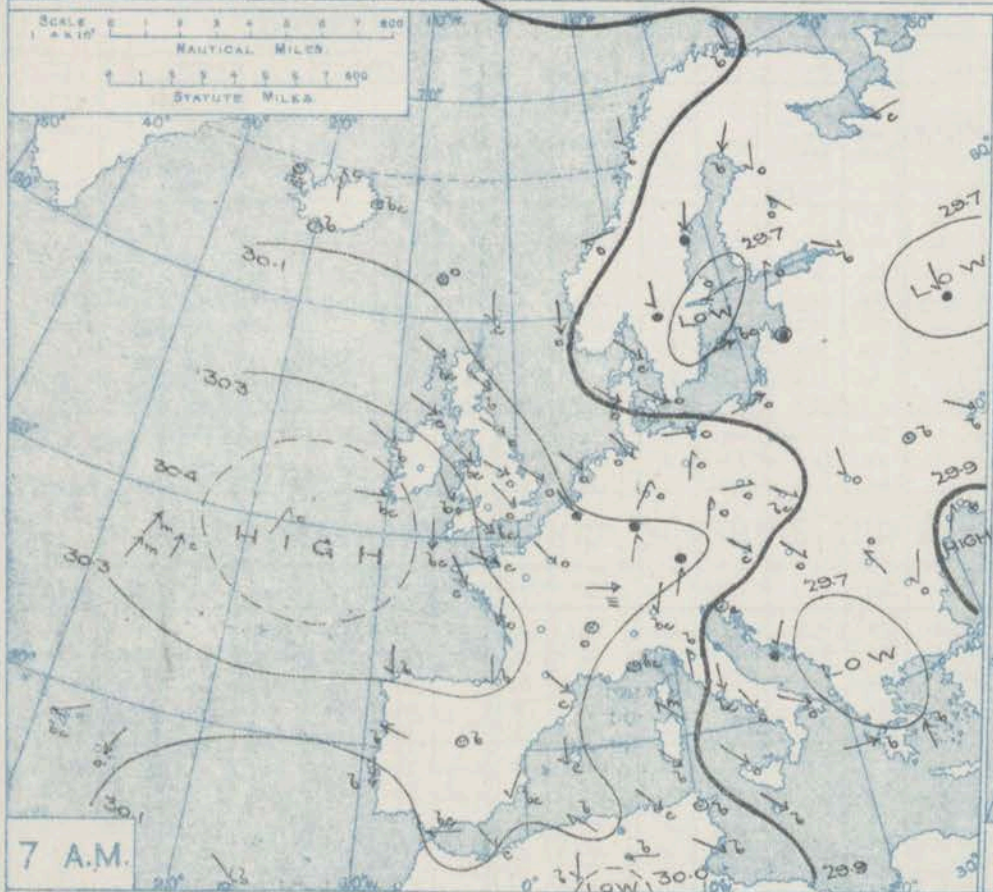
STATIONS.	YESTERDAY EVENING.						THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.										Sun- shine for Yester- day.
	BAROM.		TEMP.		WIND.		BAROMETER.		TEMP.		WIND.		Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.										
	At 52° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Direc.	Force (0 to 12).	Weather.	At 32° Fahr. and M.S.L. Lat. 46°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.	Direc.	Force (0 to 12).	Weather.			Max.	Min.	Morn'g 7 a.m. to 1 p.m.	Aftern'g 1 p.m. to 6 p.m.	Night 6 p.m. to 7 a.m.								
BRITISH ISLANDS.	Lerwick ... ..	30.18	51	NNE	2	c	30.13	-03	50	0	SSE	1	bc	1	-	53	46	c	c	bc	Hours						
	Stornoway ... ..	30.24	57	WSW	4	o	30.11	-01	54	+1	SW	4	r	4	0.04	59	49	bcq	bcq	bcq	7.0						
	Castlebay (Barra Isd.)	30.30	50	SW	3	d	30.20	00	54	+2	W	4	d	4	0.34	55	49	abc	abc	d.r.d	2.3						
	Glasgow ... ..	30.30	54	WNW	4	o	30.25	-01	54	+2	W	5	o	0	0.14	60	48	c.bc	bc.c	opg	5.5						
	Malin Head ... ..	30.34	54	WNW	4	og	30.29	00	53	+1	SW	6	tm	6	0.06	56	50	c	og	omr	*						
	Blacksod Point ... ..	30.38	57	W	2	r	30.42	+01	56	+2	WSW	2	o	2	0.01	60	53	b.c.	comr	omr	*						
	Valencia ... ..	30.49	56	WSW	2	c	30.52	+01	56	+2	-	0	m	3	Trace	59	54	bc	c	omr	7.9						
	Roche's Point ... ..	30.45	62	NNW	3	c	30.51	*	58	+4	NW	2	c	2	-	65	53	c	abc	c.bc	*						
	Birr Castle ... ..	30.41	62	W	2	bc	30.43	*	58	+5	SW	3	c	*	-	63	52	c	bc	c	6.9						
	Donaghadee ... ..	30.26	55	NNW	2	c	30.29	00	58	+7	WNW	4	bcq	3	-	58	50	bc	c	bcq	*						
SCANDINAVIA.	Liverpool Obsy. ... ..	30.36	57	W	4	b	30.34	00	57	+5	W	5	o	4	-	59	52	b	bc	c.o.	11.1						
	Holyhead ... ..	30.38	59	W	2	bc	30.37	00	56	+3	W	4	cf	3	-	61	52	bc	bc	bc	10.0						
	Pembroke (St. Ann's Hd.)	30.40	57	WNW	2	b	30.43	+01	56	+3	NW	3	c	1	Trace	59	52	bc	bc	b	12.6						
	Newquay ... ..	30.42	57	NW	4	b	30.47	+01	59	+4	NW	1	bc	3	-	59	53	bc	bc	b	13.5						
	Scilly (St. Mary's) ... ..	30.43	59	NNW	3	bc	30.48	+01	58	+2	NNW	1	bc	2	-	61	52	bc	bc	b	14.1						
	Jersey (St. Aubin) ... ..	30.38	62	WNW	3	b	30.47	*	59	0	NNW	3	b	3	-	64	54	c	b	b	12.3						
	Portland Bill ... ..	30.33	61	NW	5	b	30.45	+01	59	+3	NNW	1	b	2	-	63	56	bc	b	b.bc	*						
	Dungeness ... ..	30.23	66	NNW	5	c	30.37	+01	54	-6	NW	3	o	2	-	66	46	bc	bc	bc	*						
	Dover ... ..	30.24	62	NNW	3	c	30.36	*	53	-4	NNW	3	o	3	-	66	48	bc	bc	bc	8.4						
	GERMANY, &c.	Wick ... ..	30.22	53	NW	4	c	30.12	-04	50	-1	S	4	r	4	0.06	56	47	eg	eg	omr	*					
Nairn ... ..		30.24	58	WNW	2	c	30.13	*	54	+2	W	1	r	1	0.35	63	47	b.bc	bc	r	7.8						
Aberdeen ... ..		30.23	59	NNW	3	bc	30.16	-03	53	-1	SSW	1	o	2	0.04	63	51	bc	bc	bc	12.0						
Leith ... ..		30.26	60	WNW	3	c	30.19	-02	57	+2	W	4	o	*	0.17	65	48	c.bc	bc.c	or	*						
North Shields ... ..		30.26	57	E	2	c	30.24	-02	51	-2	SSW	1	r	3	0.11	61	49	c	o	or	6.1						
Spurn Head ... ..		30.25	59	N	3	bc	30.27	00	53	-2	W	4	p	4	0.02	60	50	bcq	bc	bc	5.2						
Yarmouth ... ..		30.26	57	NNW	3	c	30.32	00	52	-1	W	2	r	2	-	61	42	bc	bc	bc	5.5						
Clacton-on-Sea ... ..		30.23	63	N	3	bc	30.35	+01	53	-3	WNW	2	o	1	-	67	47	abc	c.bc	bc	8.4						
Nottingham ... ..		30.28	61	WNW	5	b	30.33	*	56	+1	WSW	3	om	*	-	64	49	om	c.b.	bc	9.7						
Bath ... ..		30.34	64	N	3	bc	30.43	*	58	+2	WNW	1	bc	*	-	67	46	*	*	*	11.9						
FRANCE.	London (Kew Obsy.) ... ..	30.29	64	NW	3	c	30.39	00	54	-2	WSW	1	o	*	-	65	48	abc	bc.c	abc	9.2						
	Spitzbergen ... ..	29.88	37	WSW	4	bc	29.71	00	35	-4	SW	3	c	*	-	39	28	*	*	*							
	Isafjord ... ..	30.00	49	E	1	o	29.94	+01	46	+2	E	2	b	*	-	*	*	*	*	*							
	Reykjavik ... ..	29.97	54	NW	6	b	29.86	00	52	+4	-	0	c	*	-	*	*	*	*	*							
	Vestmanna ... ..	29.98	50	-	0	m	29.84	+02	47	-2	E	1	r	1	-	*	*	*	*	*							
	Seydisfjord ... ..	29.99	59	E	2	b	29.90	+01	41	-6	-	0	b	*	-	*	*	*	*	*							
	Thorshavn ... ..	30.14	50	E	1	m	29.97	-07	48	-1	SSE	2	r	*	-	*	*	*	*	*							
	Haparanda ... ..	29.88	55	W	2	b	29.91	-01	59	+7	NE	4	b	*	-	63	46	*	*	*							
	Hernösand ... ..	29.79	49	N	4	r	29.78	00	54	*	N	4	r	*	-	61	43	*	*	*							
	Stockholm ... ..	29.64	53	NW	2	o	29.73	+02	51	-3	W	2	o	*	-	61	48	*	*	*							
PORTUGAL, &c.	Wisby ... ..	29.72	58	SW	2	bc	29.77	+01	57	-2	SW	2	c	*	-	64	52	*	*	*							
	Karlstad ... ..	29.81	51	NNW	2	o	29.83	+02	51	-1	NW	6	o	*	-	61	55	*	*	*							
	Færder (X'lania Fjord)	29.84	60	NNE	4	b	29.90	+02	55	-1	NNE	3	b	2	-	61	55	*	*	*							
	Bodö ... ..	30.00	47	N	2	b	30.05	+01	49	0	WSW	2	c	1	-	61	45	*	*	*							
	Christiansund ... ..	30.07	48	NE	1	b	30.09	00	49	+2	-	0	c	2	-	61	45	*	*	*							
	Skudesnaes ... ..	30.02	50	N	8	c	30.04	+01	50	-1	N	8	c	2	-	61	45	*	*	*							
	The Scaw (Skagen) ... ..	29.84	59	NNW	2	b	29.91	+02	59	+1	N	2	bc	0	-	64	55	*	*	*							
	Blaavands Huk ... ..	29.99	52	NW	5	r	30.04	+03	53	0	NNW	5	o	4	Trace	55	50	*	*	*							
	Cuxhaven ... ..	30.03	54	NNW	4	o	30.10	+02	53	-2	NW	5	og	2	0.04	57	50	*	*	*							
	The Helder ... ..	30.15	56	NW	5	c	30.25	+02	55	-3	WNW	4	o	2	0.04	59	54	*	*	*							
AZORES, &c.	Brussels ... ..	30.21	54	WNW	4	o	30.33	+03	53	-2	WNW	1	o	*	-	66	46	*	*	*							
	Berlin ... ..	29.93	61	NW	3	c	30.05	+02	56	0	W	4	c	*	-	64	50	*	*	*							
	Frankfurt ... ..	30.11	55	N	1	c	30.23	+05	55	-1	N	1	c	*	-	64	52	*	*	*							
	Munich ... ..	30.07	53	W	5	o	30.21	+05	47	-3	NW	4	o	*	-	67	46	*	*	*							
	C. Grs Nez ... ..	30.26	60	SW	1	c	30.37	+01	55	-2	WNW	3	m	2	-	68	54	*	*	*							
	La Hève ... ..	30.23	58	NW	5	m	30.41	*	55	-1	N	7	c	3	-	63	52	*	*	*							
	Brest (St. Mathieu) ... ..	30.44	59	NNW	4	bc	30.48	+01	55	-1	NNE	2	b	1	-	63	52	*	*	*							
	Lorient (Roc Malen) ... ..	30.36	63	NNE	4	b	30.47	*	56	-2	N	3	b	4	-	70	50	*	*	*							
	Rochefort (Ile d' Aix)	30.33	64	WNW	4	bc	30.41	+04	58	-1	NNE	4	b	*	-	66	54	*	*	*							
	Biarritz ... ..	30.34	67	NNW	3	bc	30.36	+01	63	0	ENE	2	c	2	-	72	59	*	*	*							
MADEIRA, &c.	Paris ... ..	30.23	64	NNW	4	b	30.39	+03	58	0	NNW	2	b	*	-	71	47	*	*	*							
	Belfort ... ..	30.17	61	W	4	c	30.31	*	53	+3	-	0	m	*	-	66	48	*	*	*							
	Lyons ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...							
	Nice ... ..	2																									



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 27<sup>th</sup> JUNE



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



## GENERAL INFERENCE

Over the greater part of England and Ireland the weather is likely to be under the influence of the anticyclone, but some local irregularities

## WEATHER PROSPECTS.

in pressure over the north of the Kingdom will probably occasion rain in their immediate neighbourhood.

## FORECASTS FOR THE 24 HOURS NOON

Saturday

TO NOON Sunday.

- 0 {  
a Wind mainly Westerly, light or  
b moderate; changeable, some rain,  
thin fair and warmer.

1

- 2 {  
a Wind chiefly Westerly, light;  
b cloudy or overcast; then fairer  
and warmer.

3

- 4 {  
a Wind light, between West and  
b North-West; mostly fair, dull  
occasionally; temperature rising  
somewhat.

5

## FORECAST DISTRICTS.



## STORM WARNINGS.

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

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

No Warnings issued.

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

- 7 {  
a Westerly winds, light or  
b moderate; mostly fair; moderate temperature.

- 8 {  
a Wind light, between  
b North and North-West; fair to bright; rather warmer.

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

- 10 {  
a Wind light or moderate, between  
b South-West and North-West; mostly fair; moderate temperature.

## 11 WESTERN CHANNEL AND BAY.

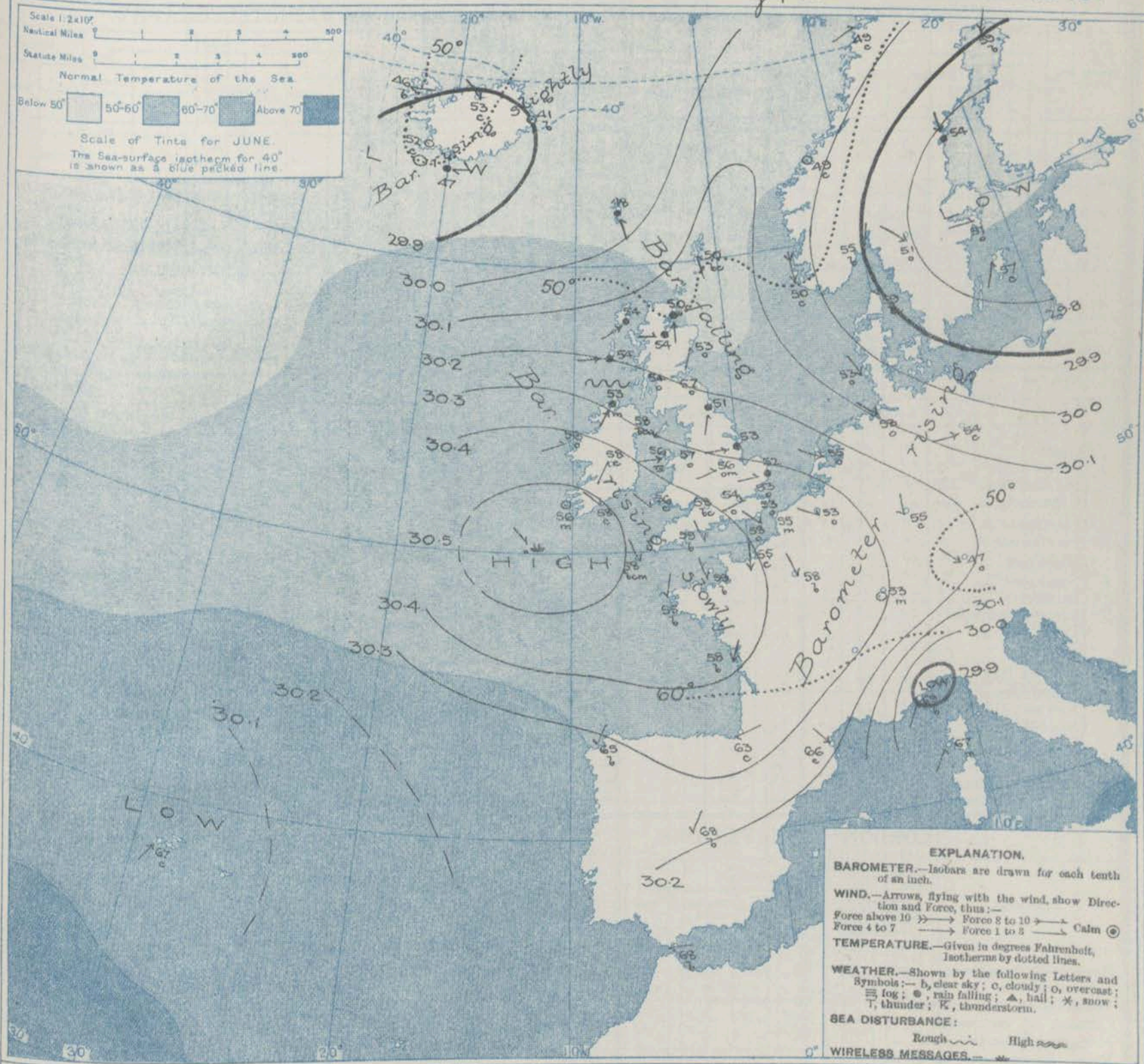
North-easterly or North-Westerly winds, light; sea smooth; some mist, otherwise fine.

## THE FURTHER OUTLOOK. (Districts 2, 3, 4, 5, 7 and 8).

Mostly fair and warmer.



# SYNOPTIC CHART FOR 7 A.M. Saturday, 28<sup>th</sup> JUNE 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure is above 30.5 in. in the south-west of Ireland and over the adjacent portion of the Ocean, below 29.8 in. over the Gulf of Bothnia and the upper part of the Baltic, and below 29.9 in. in Iceland. In a local depression over the Gulf of Genoa the readings are also below 29.9 in.

The main wind current over the United Kingdom and the North Sea region is between West and North, and the force light to moderate. In the north of Scotland, however, a light or moderate breeze from the South-Westward prevails, and on the south-

west coast of Norway a gale from North is reported. Temperature has undergone no decided change. Over these Islands it ranges from 59° at Harquay, Portland Bill and Jersey to 51° at North Shields, and 50° in the north-east of Scotland. In the south-west of England the sky is nearly clear, but over the British Isles as a whole there is a good deal of cloud, and rain is falling at some places in the north and along the east coast. Much cloud prevails over a large area on the Continent, with rain at Hbernösand.



## DAILY WEATHER REPORT.

Saturday, 28th June, 1913.

## OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- Outward. H- Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- Outward. H- Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
28th, 7 a.m.	50	11	<i>Montreal</i>	O	30.54	+0.2	WNW	1-3	b.	27th, 7 a.m.	47	27	<i>Meinshcha</i>	H	30.36	+0.6	SW	6-7	m.
27th, 6 p.m.	49	24	<i>Olympic</i>	O	30.36	-0.4	S	4-5	bc.	"	48	26	<i>Tranconia</i>	O	30.18	-0.3	SW	6-7	m.
"	48	19	<i>Magistie</i>	H	30.46	0.0	S	4-5	b.	"	47	24	<i>Magistie</i>	H	30.36	0.0	SSW	4-5	c.
"	51	11	<i>Deltic</i>	O	30.47	0.0	W	1-3	b.										

## 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	bc	bc.c.	4.2	England, S.E.	Margate	...	65	57			5.0
	Stonehaven	0.19	60	47	bc	bc	11.2		Ramsgate	...	64	55			9.0
	St. Andrews	...	66	49	b	b	9.7		Folkestone	...	66	54	o.c.b.	bc.	8.4
	Carnoustie	...	67	51			8.0		Littlestone	...					9.7
England, N.E.	Harrogate	0.01	64	48	bc.o.b.	b.bc.	6.9	England, S.W.	Hastings	...	66	51	b.b.c.b.	b.	9.9
	Scarborough	...	64	53	o.c.	bc.	7.6		Bexhill-on-Sea	...	67	52	c.b.c.b.	b.b.c.b.	11.0
England, N.W.	Blackpool	...	60	52	o.c.	bc.c.	8.5	England, S.W.	Eastbourne	...	67	54	b.b.c.	b.	9.8
	Southport	...	59	52	bc.b.	bc.	10.0		Seaford	...	67	50	bc	b.	9.3
	Buxton	0.45	58	45	bc.r.	bc.	9.8		Brighton	...	68	54	bc.c.	bc.c.	10.0
	Leamington Spa	...	63	50	bc	bc	8.3		Worthing	...	66	52	bc	b.	9.4
Wales.	Douglas	...	61	49	bc.g.	bc	5.0	England, S.W.	Littlehampton	...	67	52			9.3
	Malvern	...	59	52	o.b.	bc	7.0		Southsea	...	67	55	bc.	bc.b.	10.0
	Rhyl	...	59	52	o.b.	bc	8.0		Bournemouth	...	68	54	bc.b.	b.	11.3
	Colwyn Bay	...	60	50	bc.b.	b.	7.1	England, S.W.	Exmouth	...	65	53	b	b	10.0
England, E.	Llandudno	...	63	50	bc.	b.	7.1		Weymouth	...	68	54	bc.b.	b.	11.5
	Bettws-y-Coed	...	59	54	c.b.c.	c.b.	10.8		Teignmouth	...	65	53	b	b	12.0
	Aberystwyth	...	59	54	c.b.c.	c.b.	10.8		Torquay	...	65	53	b	b	11.5
	Lowestoft	0.02	61	53	o.c.	c.	4.6		Paignton	...	65	53	b	b	11.5
England, E.	Felixstowe	...	66	55	c.b.c.	c.b.c.	7.1	England, S.W.	Ilfracombe	...	62	53	bc	b	11.5
	Walton-on-Naze	...	66	54	bc.g.	bc.g.	6.0		Weston-super-Mare	...	68	53	bc	b	11.5
England, E.	Southend-on-Sea	...	67	54	b	b	9.0								

## 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.) ...	%	70	F.°	F.°	F.°	In.	bc	bc	bc.o	Hr.	Dublin to 4 p.m.	In.	F.°	F.°	F.°	bc	bc	c	13.5	
City (Banhill Row) ...	"	"	"	"	"	"	"	"	"	"	Plymouth to 9 p.m.	"	"	"	"	bc	cb.	c.b.	13.5	
Westminster (St. James's Pl.)	54	76	68	49	41	"	bc	bc	bc.	6.5	Darwen	0.08	60	47	47	o.u.b.	o.u.b.	bc	7.5	
Camden Sq. (Brit. Rainfall)	49	69	69	48	46	"	c.b.c.b.	b.bc.	b.o.o.	10.4	Manchester	"	"	"	"	"	"	"	"	
Hampstead (Reservoir) ...	"	73	66	47	38	"	bc	bc	o	8.5	Birmingham	"	61	48	43	c	c	c.	7.5	
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.									Oxford to 8 p.m.	"	65	52	50	bc.	c	c.b.	
S. Kensington (Roof of M.O.)	53	71	Total.		Mean Rate.		Max. Rate.		67	S. Kensington (Museum Grounds to 6 p.m.)	-	69	54	49	c.b.c.b.	c.b.c.	c.b.c.	c.b.c.		
			18.65 Joules.		31.3 Milliwatts.		87 Milliwatts.													

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

28th & 29th June, 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 3.34 3.34	G.M.T. 11.56 11.56	G.M.T. 8.18 8.18
Greenwich	3.47 3.47	12.3 12.3	8.19 8.19
Wick	3.9 3.10	12.15 12.15	8.20 8.20
Valencia	4.25 4.25	12.44 12.44	9.3 9.3

## NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature remained below 65° in many places in the north and west, and below 70° over the Kingdom generally. Slight to moderate amounts of rain have been measured in the north and north-west of the United Kingdom. The duration of bright sunshine exceeded 11 hours over a large portion of England, and was rather more than 14 hours at Scilly.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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



# DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Sunday  
29th June 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.	Direc.				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.	In.	F.									In.	F.	F.				Hours
BRITISH ISLANDS.	Lerwick ... ..	29.99	52	WSW	3	T	30.15	+0.3	51	+1	NNE	3	c	3	0.21	52	48	o	md	cfam				
	Stornoway ... ..	30.21	54	WNW	6	T	30.34	+0.2	51	-3	NW	4	o	3	0.04	56	50	v.cdfp	cdp	odp			1.2	
	Castlebay (Barra Isd.)	30.32	53	W	5	o	30.39	+0.1	52	-2	WNW	2	cfam	2	Trace	56	51	d. om	om	cfam			0.0	
	Glasgow ... ..	30.29	56	WNW	5	c	30.35	+0.1	52	-2	WNW	4	bc	*	-	61	50	c	c. bc	c. bc			3.8	
	Malin Head ... ..	30.38	54	W	5	T	30.42	-0.0	51	-2	W	4	c	3	0.04	55	50	omd	omd	om			*	
	Blacksod Point ... ..	30.48	58	WSW	3	b	30.44	-0.1	55	-1	W	1	bc	1	Trace	61	50	em. om	by	bc.			*	
	Valencia ... ..	30.52	61	WSW	1	b	30.47	-0.0	55	-1	-	0	b	3	-	61	45	m. bc	bc	bc.			9.8	
	Roche's Point ... ..	30.49	60	S	2	c	30.48	*	54	-4	N	2	b	2	-	65	50	c. o	c. o	bc. b			*	
	Birr Castle ... ..	30.46	64	WNW	5	c	30.45	*	52	-6	SW	1	c	*	-	65	47	c	c	c			4.3	
	Donaghadee ... ..	30.37	63	WNW	4	bc	30.40	-0.0	53	-5	WNW	3	c	2	-	66	53	bc	bc	c			*	
SCANDINAVIA.	Liverpool Obsy. ... ..	30.39	59	W	5	o	30.39	-0.0	56	-1	W	4	b	4	-	62	56	og	c. bc	c. b.			1.6	
	Holyhead ... ..	30.44	63	NW	3	bc	30.44	-0.0	57	+1	W	3	bc	2	-	65	54	bc. b	bc. c. bc	c. o. bc			10.4	
	Pembroke (St. Ann's Hd.)	30.46	60	NW	2	bc	30.45	+0.1	57	+1	NNW	1	bc	1	-	62	54	c. b	bc	bc			12.0	
	Newquay ... ..	30.49	62	WSW	2	b	30.46	+0.1	59	0	NW	2	b	3	-	62	54	bc	bc	bc			14.0	
	Scilly (St. Mary's) ... ..	30.51	62	NNW	2	b	30.46	-0.0	57	-1	NNW	1	bm	2	-	64	52	b	b	bc			12.6	
	Jersey (St. Aubin) ... ..	30.49	64	W	3	b	30.44	*	63	+4	WNW	3	b	3	-	65	55	b	b	b			14.0	
	Portland Bill ... ..	30.41	63	WNW	4	b	30.42	-0.0	59	0	WNW	4	bc	3	-	64	56	bc	bc	bc.			*	
	Dungeness ... ..	30.29	62	SW	5	bc	30.33	+0.1	63	+9	NW	5	c	3	-	70	53	c. bc	c. bc	c			*	
	Dover ... ..	30.28	69	NW	4	bc	30.32	*	62	+9	NW	5	c	4	0.03	73	52	od. bc	c. bc	bc. c			3.6	
	Wick ... ..	30.12	54	WNW	4	o	30.23	+0.6	52	+2	WNW	4	cq	4	0.27	59	49	mp	c. ogp	ry. cfp			*	
GERMANY, &c.	Nairn ... ..	30.13	57	WNW	5	c	30.29	*	53	-1	NW	3	c	2	0.07	65	50	ry. c	gc	gpc			1.5	
	Aberdeen ... ..	30.14	63	WNW	5	o	30.25	+0.3	55	+2	WNW	5	o	2	0.12	70	53	or. c	c. bc	c. o			3.4	
	Leith ... ..	30.22	62	WNW	5	bc	30.30	+0.3	56	-1	W	3	bc	*	-	66	48	o. c	c. bcq	bcq			*	
	North Shields ... ..	30.23	62	WNW	3	c	30.29	+0.1	60	+9	NW	4	bc	3	0.07	66	50	o	or	c			3.0	
	Spurn Head ... ..	30.23	62	WNW	6	c	30.28	+0.1	54	+5	WNW	5	cq	4	0.01	65	52	o. cq	bcq	cqv			2.9	
	Yarmouth ... ..	30.28	61	WNW	1	T	30.26	-0.0	57	+5	NW	3	c	3	0.05	63	52	omr	omr	omr. bc			0.0	
	Clacton-on-Sea ... ..	30.28	68	WNW	5	bc	30.30	-0.0	60	+7	WNW	4	c	2	-	70	53	o	c. bc	bc			2.5	
	Nottingham ... ..	30.33	64	WNW	4	c	30.32	*	61	+5	NW	5	b	*	-	67	56	o. c	o. c	c			2.0	
	Bath ... ..	30.40	70	W	2	bc	30.40	*	61	+3	-	*	b	*	-	73	50	-	-	-			10.9	
	London (Kew Obsy.) ... ..	30.34	73	NW	3	bcv	30.36	-0.0	63	+9	NW	2	bcv	*	-	75	54	o. bc	c. bc	bc. bc			7.5	
FRANCE.	Spitzbergen ... ..	29.89	36	SE	6	b	29.67	+0.2	36	+1	-	0	bc	*	-	37	34							
	Isafjord ... ..	30.02	49	NE	3	b	30.01	-0.04	47	+1	-	0	T	*	-	*	*							
	Reykjavik ... ..	30.04	58	W	3	b	30.05	-0.0	52	0	-	0	T	*	-	*	*							
	Vestmanna ... ..	30.02	53	S	2	b	30.12	+0.1	46	-1	S	1	T	1	-	*	*							
	Seydisfjord ... ..	29.98	66	E	2	b	30.10	+0.1	46	+5	-	0	b	*	-	*	*							
	Thorshavn ... ..	29.91	53	W	5	m	30.21	+0.7	50	+2	-	0	m	*	-	*	*							
	Haparanda ... ..	29.80	63	S	2	c	29.85	-0.02	56	-3	N	2	T	*	0.03	66	54							
	Hernösand ... ..	29.88	52	-	0	bc	29.86	-0.0	58	+4	NNW	2	bc	*	Trace	59	46							
	Stockholm ... ..	29.79	53	NW	2	o	29.77	+0.1	56	+5	SSE	2	T	*	0.12	61	56							
	Wisby ... ..	29.85	55	WSW	2	bc	29.80	-0.1	59	+2	WNW	2	c	*	0.08	61	50							
PORTUGAL, &c.	Karlstad ... ..	29.87	53	NW	2	o	29.83	-0.0	55	+4	NNW	2	o	*	-	57	50							
	Færder (X'ania Fjord)	29.87	62	SW	2	b	29.88	-0.0	57	+2	NNE	5	c	4	-	63	54							
	Bodö ... ..	30.08	45	N	2	bc	30.10	+0.1	49	0	N	2	bc	2	-	56	45							
	Christiansund ... ..	30.04	51	NE	1	bc	30.11	+0.4	49	0	ENE	3	c	2	-	52	46							
	Skudesnaes ... ..	30.03	50	N	4	b	? 29.98	+0.1	47	-3	N	6	f	2	-	54	46							
	The Scaw (Skagen) ... ..	29.90	59	W	2	b	29.86	+0.1	59	0	NNE	3	c	0	-	68	50							
	Blaavands Huk ... ..	29.96	52	NW	4	o	29.91	-0.04	52	0	NW	4	T	3	0.04	55	50							
	Cuxhaven ... ..	30.14	55	NW	4	o	29.98	-0.05	56	+3	NW	5	og	3	0.20	57	54							
	The Helder ... ..	30.22	56	W	3	o	30.15	+0.3	57	+2	NW	5	o	3	-	59	55							
	Brussels ... ..	30.30	54	SW	2	T	30.24	-0.0	60	+7	NW	4	bc	*	0.16	60	53							
SPAIN.	Berlin ... ..	30.10	58	NW	4	o	29.99	-0.07	53	-1	SW	1	o	*	-	63	50							
	Frankfurt ... ..	30.28	56	W	1	o	30.14	+0.2	53	0	SW	2	o	*	0.04	61	50							
	Munich ... ..	30.31	48	W	4	T	30.21	-0.03	52	+5	SW	5	o	*	0.12	57	47							
	C. Gris Nez ... ..	30.32	59	W	5	c	30.33	+0.1	60	+5	NNW	4	c	3	0.08	63	55							
	La Hève ... ..	30.39	58	W	4	m	30.41	*	57	+2	NNW	4	m	4	-	62	54							
	Brest (St. Mathieu) ... ..	30.50	63	N	2	b	30.50	-0.1	55	0	-	0	b	0	-	64	52		</					

GALES.  
Duration and Extreme Force  
on British Coasts.

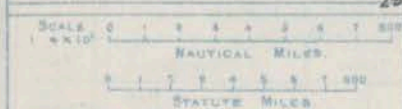
Maximum 11 p.m. - 1 a.m.  
Extreme W, S.

\* Information for these columns not usually received.

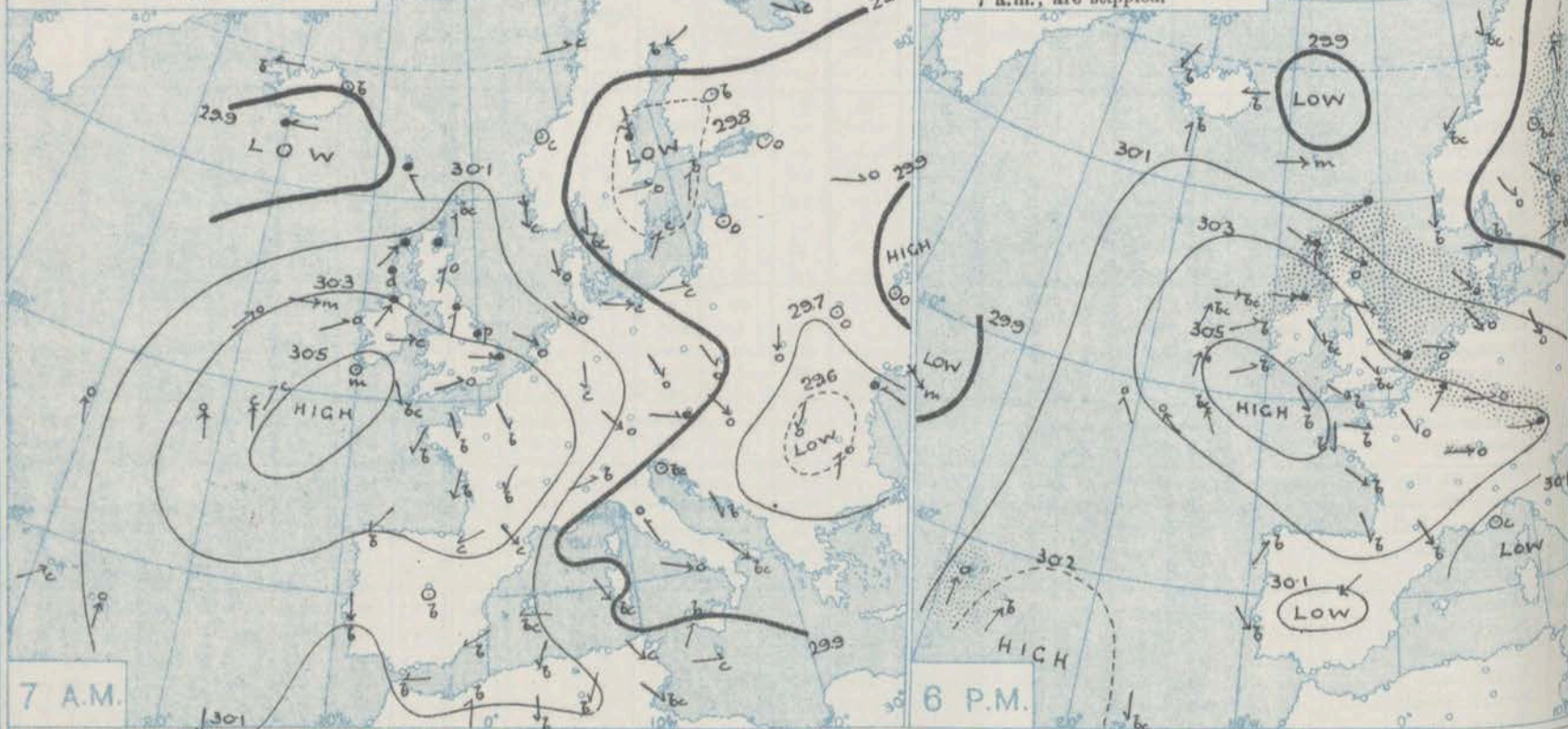
† Received too late for insertion in Charts.



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 28<sup>TH</sup> JUNE



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.

FORECAST'S FOR THE 24 HOURS NOON SUNDAY

TO NOON MONDAY

0 { a  
b

1

2 { a  
b

3

4 { a  
b

5

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

NO WARNINGS  
ISSUED.

6 { a  
b

7 { a  
b

8 { a  
b

9 { a  
b

10 { a  
b

11 WESTERN CHANNEL AND BAY.

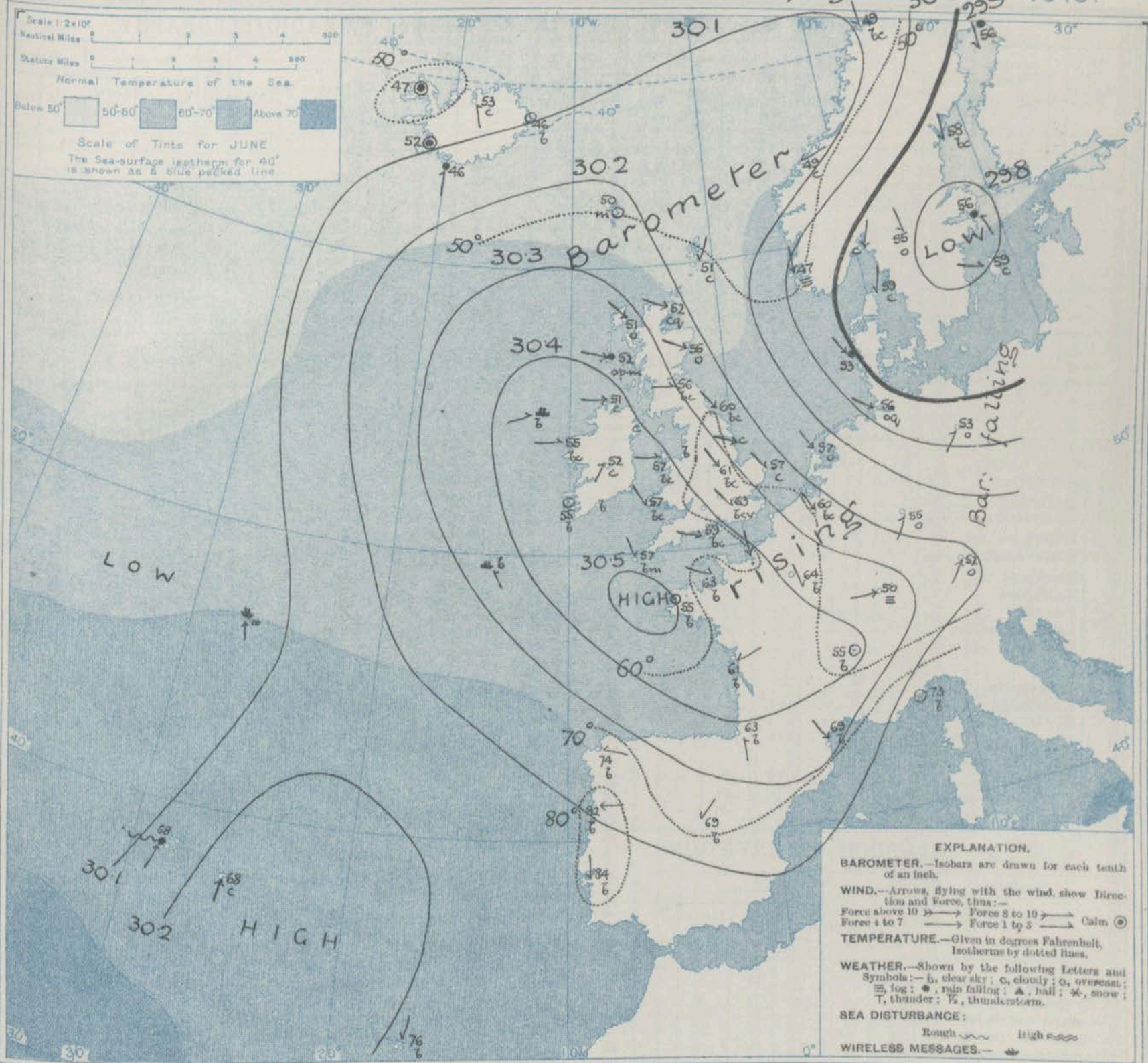
THE FURTHER OUTLOOK.

*None Issued*

*None Issued*



# SYNOPTIC CHART FOR 7 A.M. SUNDAY, 29<sup>TH</sup> JUNE 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

A depression, with the barometer at 29.7 in at Stockholm, covers the Southern Scandinavian region, the rest of our area being embraced by an extensive anticyclone, whose central space, with pressure at 30.2 in, lies off the mouth of the English Channel. The gradient is moderate over the North Sea, slight elsewhere.

Calms prevail over the Iceland region, westerly to northerly breezes in nearly all other districts, mostly light to moderate, but fresh about the North Sea. At the home stations temperature readings range from 51° at Lerwick, Stornoway and Malin Head, to 63° at Jersey, Dungeness and New Observatory; on the

Continent from 50° at Belfort to 73° at Nice and 84° at Lisbon; in Scandinavia from 47° at Skudenes to 59° at Nishy; and in Iceland from 46° to 53°. Rain is falling over Western Iceland and in Denmark, showers at Castlebay, and fog is reported at Belfort and Skudenes, but generally the weather is fair to very cloudy. The sea is moderate to very smooth.



## DAILY WEATHER REPORT.

Sunday, 29th June, 1913.

## OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
28th, 6 p.m.	46	36	? Olympic	O	30.82	-0.2	WNW	8-9	m.	28th, 7 a.m.	48	30	Olympic	O	30.06	-0.4	SSE	4-5	o.
" "	49	21	Baltic	O	30.27	-0.4	SSE	1-3	o	" "	48	22	Finland	H	30.37	+0.6	SSE	4-5	o
" "	48	18	Finland	H	30.35	+0.1	SSE	6-7	m	" "	53	19	Columbia	H	30.24	+0.3	SW	4-5	o
" "	54	15	Columbia	H	30.33	+0.3	SSW	4-5	bc.	" "	49	17	Minnehaha	H	30.49	+0.3	SSE	4-5	c.
" "	50	15	Montreal	O	30.48	+0.1	SSW	4-5	b.	" "	50	16	Baltic	O	30.45	-0.1	SSW	1-3	c.
" "	49	14	Minnehaha	H	30.46	00	SSW	4-5	bc.	" "	55	13	Kesperian	H	30.31	+0.2	W	4-5	m
" "	55	13	Empress of Britain	O	30.41	+0.2	W	6-7	bc.										

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

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun-shine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun-shine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scotland, Oban ...	0.38	59	48	o.p.d.	c.o.	1.2	England, Margate ...	in.	69	53	o.	o.	1.0
Stonehaven ...							Ramsgate ...		63	48	*	*	1.7
St. Andrews ...							Folkestone ...		72	51	o.c.bc.	c.bc.	3.5
Carnoustie ...	0.11	71	49	*	*	5.2	Littlestone ...		*	*	*	*	5.4
England, Harrogate ...	0.13	64	49	o.c.bc.b.	b.bc.	5.0	Hastings ...		70	49	o.bc.b.	b.	7.3
Scarborough ...	*						Bexhill-on-Sea ...		69	49	gc	c.bc.b.	7.0
Blackpool ...		63	54	o.c.	c	2.7	Eastbourne ...		65	50	o	bc.b.	7.8
Southport ...		63	55	o.bc.	bc.o	1.7	Seaford ...		64	48	b.m.	b.	9.8
Buxton ...	0.06	57	?	o.c.	o	0.0	Brighton ...		66	51	bc.o.c.	bc	9.6
Leamington Spa ...		71	48	c	c	9.3	Worthing ...		70	51	bc	bc	9.4
Douglas ...		62	51	c.o.g.	o.g.	0.5	Littlehampton ...		*	*	*	*	
Wales, Rhyl ...		64	54	o.c.	c.bc.	1.5	Southsea ...						
Colwyn Bay ...		67	53	o	o	2.3	Bournemouth ...		75	47	b	b	12.0
Llandudno ...		69	54	b	c	2.6	England, Weymouth ...		74	50	b	b	12.2
Bettws-y-Coed ...							Teignmouth ...		73	51	b	b	13.0
Aberystwyth ...		63	54	o.c.	c.bc.	8.2	Torquay ...		72	49	*	*	13.7
England, Lowestoft ...							Paignton ...		73	47	b	b	11.0
Felixstowe ...		69	49	m.o.	m.o.bc.	1.1	Ilfracombe ...		62	51	b	b	
Walton-on-Naze ...		70	47	c	c.bc.b.g.	0.7	Weston-super-Mare ...						
Southend-on-Sea ...	0.02	74	48	d.bc.	b.	6.5							

## 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.) ...	%	%	F.°	F.°	F.°	In.	bc	bc.b.	bc.	Hr.	Dublin to 4 p.m.	In.	F.°	F.°	F.°	c.b.	bc	b.	Hr.		
City (Banhill Row) ...	52	63	78	58	52	-	bc	bc.b.	bc.	6.4	Plymouth to 9 p.m.	-	71	55	53	c	bc	b	12.3		
Westminster (St. James's Pk.)	*	*	76	58	52	*	bc	bc	bc.	6.7	Darwen	0.12	59	49	47	c.od	od.u	bc.od	0.1		
Camden Sq. (Brit. Rainfall)	62	70	76	58	53	-	o.c.bc	bc.b.	b.bc	7.1	Manchester "	trace	63	54	*	bc.od	od.o.	o	0.1		
Hampstead (Reservoir) ...	50	63	78	58	53	-	bc	bc	b.bc	6.8	Birmingham "	bc	63	54	*	bc.od	od.o.	o	3.0		
Kew. (See front page.)	*	62	76	56	47	-	bc	bc	c.b.	7.7	Oxford to 8 p.m.	*	68	49	43	c	c	c	*		
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																					
Total.																					
Mean Rate.																					
Max. Rate.																					
S. Kensington (Roof of M.O.)	55	63	Joules.			Milliwatts.			Milliwatts.			7.1	S. Kensington (Museum Grounds to 6 p.m.)	-	76	50	40	c.o.	o.c.bc.	bc.b.	*

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

	29th & 30th June, 1913.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 3.34 3.35	G.M.T. 11.56 11.56	G.M.T. 8.18 8.17	
Greenwich ...	3.47 3.48	12.3 12.3	8.19 8.18	
Wick ...	3.10 3.10	12.15 12.15	9.26 9.19	
Valencia ...	4.25 4.26	12.44 12.44	9.3 9.2	

## NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature showed some improvement on recent records, Bournemouth and Kew Observatory touching 75°, and South Kensington 76°. Showers fell on the north and east coasts. Bright sunshine was very variable from none at a few stations to 14 hours at Newquay and Jersey. As far west as the 30th meridian ships experienced light to fresh easterly to southerly winds, and fine to cloudy weather, with mist locally.

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  
30th June 1913.

30th June 1913.																							
STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sym- ptoms for Yester- day.
		BAROM.		TEMP.	WIND.		BAROMETER.		TEMP.		WIND.		Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.						
		At 32° Fahr. and M.S.L. Lat. 46°.	Dry Bulb.	Direc.	Force (0 to 12).	Weather.	At 32° Fahr. and M.S.L. Lat. 46°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.	Direc.	Force (0 to 12).			Weather.	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night 6 p.m. to 7 a.m.			
		In.	F.				In.	In.	F.					In.	F.	F.	bc	bc	c-o-c.	Hours			
Lerwick ... ..		30.33	54	NE	3	bc	30.35	+0.1	51	0	SSE	1	0	0	56	47	bc	bc	c-o-c.				
Stornoway ... ..		30.40	57	NW	3	c	30.40	0.0	54	+3	NW	1	0	1	59	51	odp	o-c	0	3.2			
Castlebay (Barra Isd.)		30.42	53	WNW	2	0	30.40	0.0	52	0	NW	2	0	1	56	50	odp	om-o	0	0.6			
Glasgow ... ..		30.35	63	W	3	b	30.39	0.0	54	+2	ENE	1	c	0	66	49	b	b	b-o-c	11.3			
Malin Head... ..		30.43	55	NW	1	bc	30.39	+0.1	55	+4	S	1	bm	0	56	50	bc	bc	bc				
Blackod Point ... ..		30.42	65	W	1	bc	30.38	0.0	58	+3	-	0	b	1	65	48	bc	bc	bc				
Valencia ... ..		30.42	65	S	1	c	30.37	0.0	55	0	ENE	1	c	1	70	49	bc	bc	bc	13.5			
Roche's Point ... ..		30.42	61	S	2	c	30.38	0	56	+2	N	1	c	1	64	51	b-bc	b-c	b-c				
Birr Castle ... ..		30.38	71	W	1	c	30.37	0	56	+4	NW	1	bc	0	73	50	bc	c	bc	8.4			
Donaghadee ... ..		30.42	57	NNE	3	bc	30.39	-0.2	51	-2	NW	2	bc	2	59	49	bc	bc	bc				
Liverpool Obsy. ... ..		30.40	58	WNW	4	b	30.38	-0.2	55	-1	W	1	c	1	59	53	bc	bc	c	9.4			
Holyhead ... ..		30.42	58	N	2	bm	30.39	0.0	56	-1	NW	1	bm	0	61	52	bc	bm-b	c-bm	12.4			
Pembroke (St. Ann's Hd.)		30.42	61	NW	1	bc	30.38	-0.2	58	+1	NNE	1	b	1	63	52	bc	bc	bc	11.3			
Newquay ... ..		30.42	62	NW	2	b	30.37	0.0	58	-1	N	1	b	2	64	53	bc	bc	bc	12.6			
Scilly (St. Mary's) ... ..		30.43	63	-	0	b	30.37	-0.2	60	+3	-	0	bc	2	65	54	bc	bc	bc	14.0			
Jersey (St. Aubin) ... ..		30.42	66	WNW	3	b	30.35	0	65	+2	N	3	bm	3	69	53	b	b	bm	14.3			
Portland Bill ... ..		30.36	64	NW	1	b	30.35	0.0	61	+2	NNE	2	b	2	66	59	b	b	bc				
Dungeness ... ..		30.31	61	ENE	5	b	30.37	+0.2	58	-5	N	2	c	2	70	48	c-bc	bc-b	bc-b				
Dover ... ..		30.34	59	NE	4	bc	30.36	0	58	-4	N	4	c	4	70	47	c-bc	bc-b	bc-b	8.5			
Wick ... ..		30.38	53	NW	3	0	30.40	+0.2	52	0	NW	2	c	3	55	48	c-b	c-b	c-b				
Nairn ... ..		30.38	59	NW	1	bc	30.39	0	53	0	-	0	c	0	61	48	bc	bc	c-b	3.8			
Aberdeen ... ..		30.36	58	NW	3	bc	30.40	+0.1	53	-2	WNW	2	0	2	61	51	c-b	c-b	bc-b	3.4			
Leith ... ..		30.32	65	ESE	2	bc	30.37	+0.2	54	-2	-	0	op	0	73	53	b	b	b				
North Shields ... ..		30.38	60	NE	2	b	30.41	0.0	55	-5	-	0	0	2	67	53	bc	bc	bc				
Spurn Head ... ..		30.34	60	N	3	b	30.37	0.0	56	-2	WNW	4	c	4	63	52	bc	bc	bc	12.3			
Yarmouth ... ..		30.35	59	M	3	bc	30.35	0.0	54	-3	NW	3	0	3	63	51	bc	bc	bc	7.8			
Clacton-on-Sea ... ..		30.32	61	E	4	c	30.36	0.0	55	-5	WNW	3	c	1	72	47	c-bc	bc-c	c	8.5			
Nottingham... ..		30.35	64	ENE	3	c	30.39	0	55	-6	SE	1	0	0	70	47	b	bc	c-b	12.9			
Bath ... ..		30.33	74	W	3	b	30.39	0	63	+2	-	0	b	0	79	52	0	0	0	9.6			
London (Kew Obsy.)... ..		30.31	75	NW	3	bc	30.39	+0.2	58	-5	E	1	om	0	77	52	bc	b-bc	bc-b	13.5			
Spitzbergen ... ..		29.84	37	NW	1	bc	29.97	+0.4	36	0	-	0	0	0	39	32							
Isafjord... ..		30.05	49	E	3	0	30.18	+0.1	49	+2	SSW	3	c	0	0	0	0	0	0				
Reykjavik ... ..		30.16	54	WNW	2	b	30.21	0.0	53	+1	-	0	b	0	0	0	0	0	0				
Vestmanna ... ..		30.15	51	SW	1	f	30.21	-0.1	46	0	NW	1	b	1	0	0	0	0	0				
Seydisfjord ... ..		30.05	66	WNW	4	bc	30.19	+0.2	50	+4	-	0	bc	0	0	0	0	0	0				
Thorshavn ... ..		30.20	51	WSW	3	c	30.32	+0.1	52	+2	W	2	0	0	0	0	0	0	0				
Haparanda ... ..		29.93	59	NE	4	b	30.07	+0.6	57	+1	NE	4	0	0	68	48							
Hernösand ... ..		29.98	56	-	0	c	30.06	+0.2	58	0	NNE	2	c	0	61	55							
Stockholm ... ..		29.89	54	NW	2	0	29.94	+0.1	53	-3	N	4	0	0.004	61	48							
Wisby ... ..		29.86	56	M	2	0	29.89	+0.1	55	-4	N	6	0	0	61	46							
Karlstad ... ..		29.97	54	-	0	0	30.06	+0.2	55	0	WNW	2	bc	0	63	50							
Færder (K'lania Fjord)		29.98	61	NE	2	b	30.12	+0.2	57	0	N	4	b	2	64	55							
Bodö ... ..		30.19	50	N	2	b	30.25	+0.2	50	+1	W	2	b	1	50	45							
Christiansund ... ..		30.24	50	NE	1	0	30.29	+0.1	50	+1	E	2	b	2	50	46							
Skudesnaes ... ..		30.10	51	WNW	8	b	30.19	+0.2	51	+4	N	6	b	2	55	46							
The Scaw (Skagen)... ..		29.98	60	N	3	b	30.09	+0.2	59	0	NNE	4	b	1	68	50							
Blaavands Huk ... ..		30.08	54	WNW	3	b	30.13	+0.3	57	+4	WNW	3	m	3	59	52							
Cuxhaven ... ..		30.04	57	WNW	4	c	30.13	+0.3	55	-1	WNW	4	0	2	57	54							
The Helder ... ..		30.23	55	NW	6	t	30.28	+0.2	53	-4	NW	4	0	2	57	52							
Brussels ... ..		30.30	55	NW	2	bc	30.32	0.0	55	-5	NW	1	0	0	65	47							
Berlin ... ..		30.18	54	WNW	2	0	30.25	+0.3	54	-1	WNW	1	0	0	64	52							
Frankfurt ... ..		30.10	53	WNW	5	0	30.24	+0.2	48	-4	NW	5	t	0	54	46							
Munich ... ..		30.32	60	ENE	4	b	30.36	+0.1	57	-3	NNE	3	c	3	68	52							
C. Gris Nez... ..		30.33	64	WNW	3	b	30.34	0	57	0	E	3	m	2	68	52							
Brest (St. Mathieu) ... ..		30.44	63	WNW	3	b	30.37	-0.3	56	+1	NNE	2	bc	1	72	52							
Lorient (Beo Melen)... ..		30.35	67	W	3	b	30.35	0	59	-2	NE	1	bc	0	72	54							
Rochefort (Ile d'Aix) ... ..		30.36	68	NW	3	b	30.32	+0.1	66	+5	NNE	2	b	0	73	59							
Biarritz ... ..		30.31	69	NNE	4	b	30.30	-0.1	69	+6	-	0	b	1	79	61							
Paris ... ..		30.32	69	W	3	b	30.36	+0.2	59	-5	NE	2	bc	0	77	55							
Belfort ... ..		30.28	61	W	6	0	30.33	0	52	+2	-	0	m	0	63	46							
Lyons ... ..		30.28	74	-	0	c	30.30	0	62	+7	WNW	3	b	0	78	55							
Nice ... ..		30.04	67	-	0	b	29.98	+0.1	66	-7	-	0	c	3	81	59							
Perpignan ... ..		30.21	81	NW	3	b	30.19	-0.2	76	+7	NW	3	b	0	85	65							
Sanguinaire ... ..		30.09	69	W	3	m	29.94	0	68	0	S	5	f	4	79	63							
Corunna (S.a.m.) ... ..		30.21	72	WNW	1	b	30.22	0.0	64	-10	SW	1	f	0	79	59							
Lisbon (S.a.m.) ... ..		30.23	71	SE	4	b	30.20	0	71	0	E	5	b	3	79	70							
Gibraltar ... ..		30.30	68	W	2	b	30.32	+0.2	66	-2	N	1	m	1	75	64							
Azores (Horta S.a.m.)																							
Madeira (Funchal) ... ..																							

GALES  
Duration and Extremes Force  
on British Coasts.

\* Information for these columns not usually received.

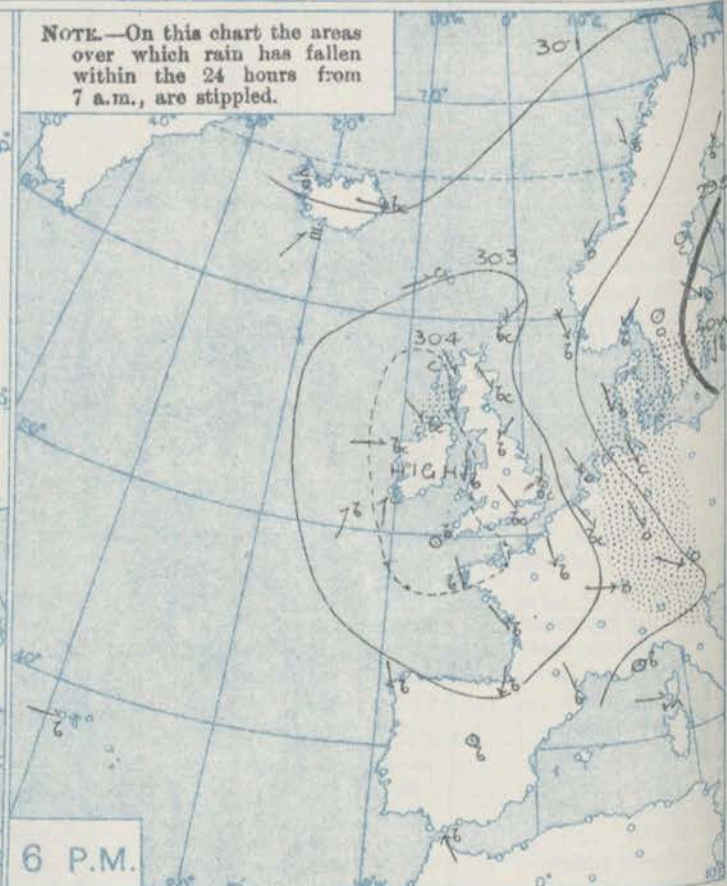
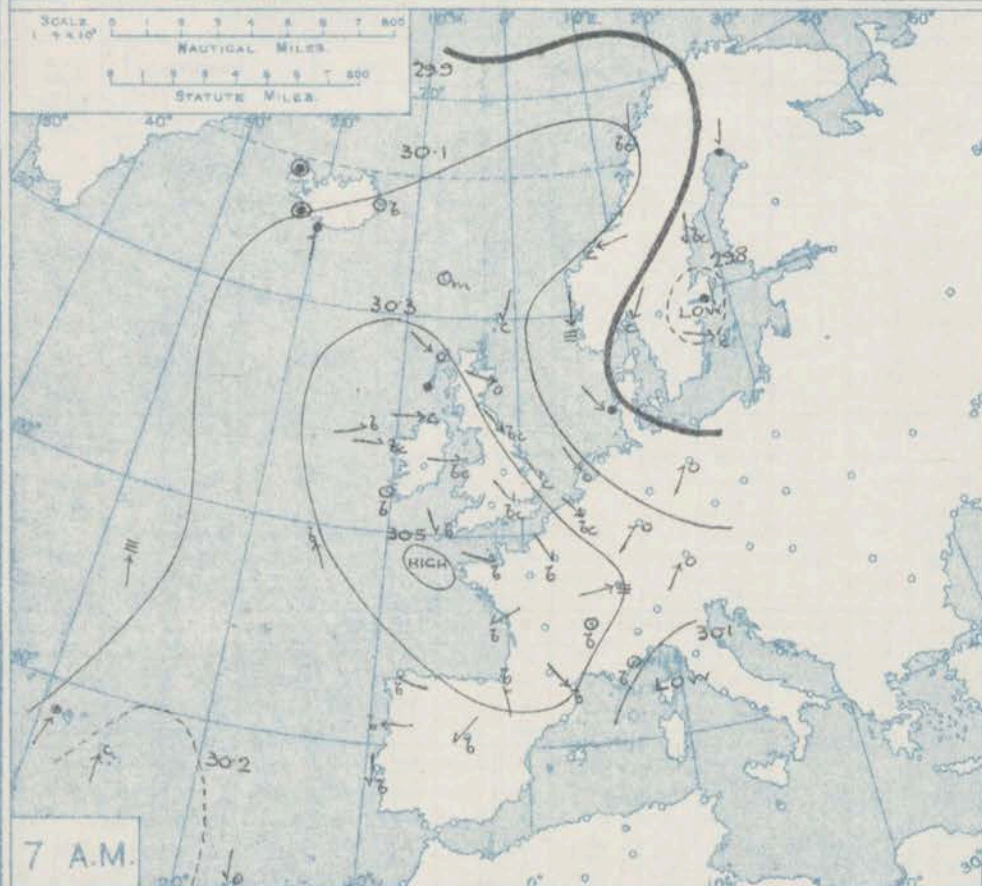
† Received too late for insertion in Charts.



# BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 29<sup>TH</sup> JUNE



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 distribution will continue anticyclonic over the United Kingdom for the

present, with fair to bright weather generally.

## FORECASTS FOR THE 24 HOURS NOON Monday

## TO NOON Tuesday.

- 0 {<sup>a</sup>  
<sup>b</sup> } Northerly or light variable winds; fair; moderate or rather high temperature.
- 1 {<sup>a</sup>  
<sup>b</sup> }
- 2 {<sup>a</sup>  
<sup>b</sup> }
- 3 {<sup>a</sup>  
<sup>b</sup> } Wind mainly Northerly to variable, light; fair or
- 4 {<sup>a</sup>  
<sup>b</sup> } fine; temperature moderately high.
- 5 {<sup>a</sup>  
<sup>b</sup> }

## 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 {<sup>a</sup>  
<sup>b</sup> }
- 7 {<sup>a</sup>  
<sup>b</sup> } Wind light and variable;
- 8 {<sup>a</sup>  
<sup>b</sup> } fair or fine; temperature moderately high.
- 9 {<sup>a</sup>  
<sup>b</sup> }
- 10 {<sup>a</sup>  
<sup>b</sup> }

## 11 WESTERN CHANNEL AND BAY.

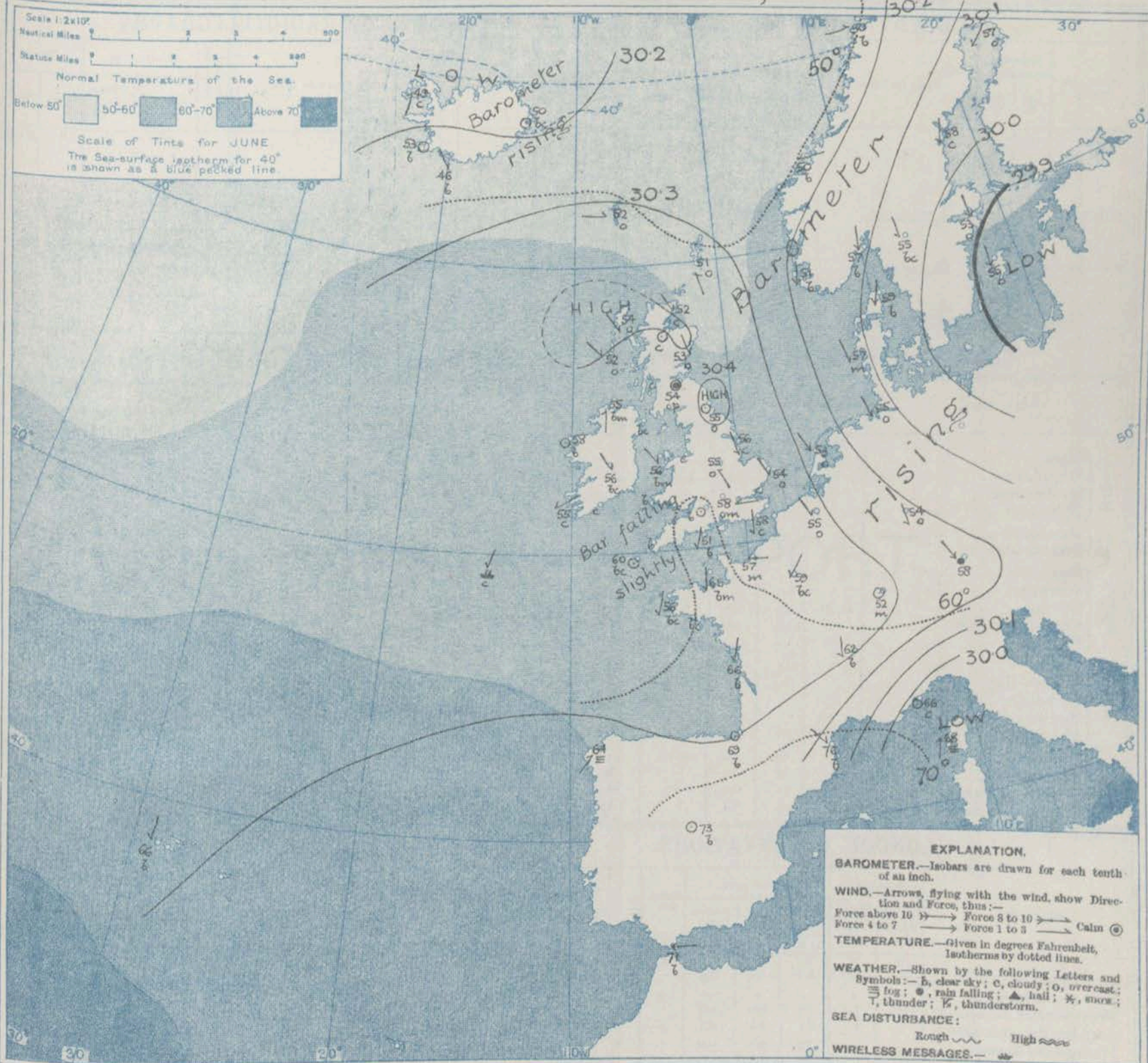
North-Easterly or variable winds, light; fair or fine generally, some mist locally.

## THE FURTHER OUTLOOK. (All Districts)

Fair and Warm.



# SYNOPTIC CHART FOR 7 A.M. MONDAY, 30<sup>TH</sup> JUNE 1913.



## NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure is above 30.4 in. in the north-east of England, and above 30.3 in. over a very large area comprising the United Kingdom, nearly the whole of France, and extending over the Atlantic to beyond the Azores. To the eastward the readings decrease to about 29.8 in. in East Prussia, and in a northerly direction to below 30.0 in. at Spitzbergen.

Over Scandinavia, the North Sea and along the east coast of Britain the wind is mainly from the Northward, and light or moderate in force. In the west of these Islands light variable

breezes are reported. Temperature has fallen a little in most parts of the United Kingdom, and the neighbouring regions of the Continent. Over this country the readings range from 65° at Jersey and 63° at Bath to 51° at Donaghadee and Lerwick. The weather, although overcast in many parts of Great Britain, with local showers at Louth, is fair or fine as a whole. Much cloud is, however, prevalent in Germany and rain is falling at Munich.



## DAILY WEATHER REPORT.

Monday, 30th June 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 7 a.m.	49	13	<u>Zealand</u>	0	30.35	+0.2	NNE	1-3	c	29th 7 a.m.	49	13	<u>Manitou</u>	0	?	?	SE	4-5	b
29th 6 p.m.	51	12	<u>Campania</u>	0	30.36	-0.7	SW	1-3	b	" "	49	13	<u>Finland</u>	H	30.39	-0.1	SE	4-5	b
" 7 a.m.	47	27	<u>Menominee</u>	H	30.04	+0.1	SSE	4-5	f	" "	54	11	<u>Caledonia</u>	0	?	0.0	WSW	1-3	b

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

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	Hr.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	Hr.
			Max.	Min.	Forenoon.	Afternoon.						Max.	Min.	Forenoon.	Afternoon.		
Scotland.	Oban ...	...	...	...	...	...	...	...	England, S.E.	Margate ...	...	...	...	...	...	...	...
	Stonehaven ...	0.06	65	53	b.c.	b.c.	3.4	...		Ramsgate ...	...	70	55	b	b	...	...
	St. Andrews ...	...	...	...	...	...	...	...		Folkestone ...	0.01	70	58	b.c.	b.c.	...	...
	Carnoustie ...	...	65	51	*	*	11.7	...		Littlestone ...	...	...	...	*	*	...	...
England, N.E.	Harrogate ...	...	72	52	b	b.c.	10.6	...	England, S.W.	Hastings ...	...	77	54	b	b.c.	...	...
	Scarborough ...	...	65	54	b.c.	b.c.	11.8	...		Bexhill-on-Sea ...	...	79	55	b.c.	b	...	...
England, N.W.	Blackpool ...	...	...	...	...	...	...	...		Eastbourne ...	...	77	56	b	b	...	...
	Southport ...	...	60	55	a.b.c.	a.b.c.	5.6	...		Seaford ...	...	...	...	...	...	...	...
	Buxton ...	0.04	59	47	b.c.	b.c.	4.9	...		Brighton ...	...	80	57	b.c.	b	...	...
	Leamington Spa ...	...	75	51	b.c.	b	9.4	...		Worthing ...	...	79	52	b	b	...	...
Wales.	Douglas ...	...	64	53	o	b	6.0	...	England, S.W.	Littlehampton ...	...	...	...	*	*	...	...
	Rhyl ...	...	61	56	b	b.c.	12.0	...		Southsea ...	...	81	49	b	b	...	...
	Colwyn Bay ...	...	64	55	b	b	12.0	...		Bournemouth ...	...	80	54	b	b	...	...
	Llandudno ...	...	66	55	b	b	12.4	...		Weymouth ...	...	74	54	b	b	...	...
England, E.	Bettws-y-Coed ...	...	...	...	...	...	...	...	England, S.W.	Teignmouth ...	...	78	50	b	b	...	...
	Aberystwyth ...	...	64	53	b	b.c.	11.5	...		Torquay ...	...	79	52	b	b	...	...
	Lowestoft ...	...	64	56	c.b.c.	b.c.	6.5	...		Paignton ...	...	...	...	...	...	...	...
	Felixstowe ...	...	72	56	b.c.	b.c.	9.3	...		Ilfracombe ...	...	64	54	b	b	...	...
England, E.	Walton-on-Naze ...	...	70	55	c.b.c.	b.c.	5.2	...	England, S.W.	Weston-super-Mare ...	...	65	56	b	b	...	...
	Southend-on-Sea ...	...	75	55	b	b	9.0	...									

## 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.) ...	% 43	% 65	F. 80	F. 49	F. 38	In. -	b	b.b.c	b.b.c	Hr. 12.3	Dublin to 4 p.m.	in. -	F. 72	F. 53	F. 51	b	b	b.c	Hr. 12.3	
City (Bunhill Row) ...	"	"	"	"	"	"	"	"	"	12.2	Plymouth to 9 p.m.	"	"	"	"	"	"	"	"	
Westminster (St. James's Pk.)	50	74	79	54	49	-	b	b.c	b	11.7	Darwen	"	"	"	"	"	"	"	3.12	
Camden Sq. (Brit. Rainfall)	"	65	80	54	52	-	c	c	c	11.8	Manchester "	"	64	56	"	c	c.b.c	b.c	12.1	
Hampstead (Reservoir) ...	"	66	78	52	44	-	b	c	b.c	13.2	Birmingham "	"	72	57	52	c	c	c	"	
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.									Oxford to 8 p.m.	"	78	57	50	b	b	b	"
			Total.		Mean Rate.		Max. Rate.				S. Kensington (Museum Grounds to 6 p.m.)	"	79	59	51	b.c	b.c	b.c	"	
S. Kensington (Roof of M.O.)	-	65	2385 Joules.		40.1 Milliwatts.		78 Milliwatts.		11.5											

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

30th June 1st July 1913.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 3.35 3.35	G.M.T. 11.56 11.56	G.M.T. 8.17 8.17
Greenwich ...	3.45 3.45	12.3 12.3	8.18 8.18
Wick ...	3.10 3.11	12.15 12.15	9.19 9.19
Valencia ...	4.26 4.26	12.44 12.44	9.2 9.2

## NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature rose to about 80° at some stations in the south of England, but remained below 60° at some places in the north and north-west of the Kingdom. Bright sunshine was very prevalent generally, about 14 hours being recorded at some stations in the south and south-east of England. The only measurable amount of rain recorded in these Islands was 0.01 in. at Stormway.

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.



ADDITIONS AND CORRECTIONS

TO THE

DAILY WEATHER REPORT.

JUNE, 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.						
		BAROM.		TEMP.		WIND.		BAROMETER.		TEMP.		WIND.					TEMP.		GALES. Duration and Extreme Force on British Coasts.				
		At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Dew- point.	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.		Sea (0 to 9).	Rain- fall.	Max.	Min.
		1a.	"					1a.	In.	"							In.						
3rd	Isafjord	"	"	"	"	"		29.76	-.02	36	-1	N	5	0									
"	Lisbon	30.18	59	NW	3	b		30.13	+0.1	63	+4	NNW	4	c	5	-	66	59					
4th	The Helder	30.15	60	"	0	bc		30.15	-.01	64	+9	ENE	1	bc	0	-	68	55					
"	Lorient	30.03	61	W	1	0		30.03		59	+4	SSE	2	c	2	0.04	68	52					
"	Lyons	30.17	60	"	0	0		30.18		54	-4	"	0	r		0.24	64	52					
5th	Corunna	30.01	60	WNW	3	0		30.17	.00	55	0	WNW	6	0	6	0.16	63	50					
"	Funchal	30.14	68	NE	2	0		30.25	+0.1	66	-2	NE	2	bc	2	-	68	52					
7th	Lisbon	30.20	64	NNW	5	b		30.19	+0.1	70	+9	NNE	5	b	5	-	75	61					
"	Funchal	30.25	67	N	3	c		30.19	-.01	66	0	N	3	bc	4	-	68	50					
9th	Lisbon	30.09	59	NNW	5	b		30.11	+0.4	63	-8	NNW	4	b	5	-	79	57					
"	Gibraltar	30.09	65	E	4	b		30.09		67		E	3	c	2	-	72	65					
11th	Lisbon	30.19	60	NW	4	b		30.18	+0.1	64	-1	NNW	3	b	5	-	77	55					
"	Funchal	30.26	67	NE	2	c		30.25	+0.1	67	0	NE	2	bc	2	-	68	55					
12th	Lisbon	30.10	68	NW	4	b		30.10	+0.4	68	+4	SSW	1	b	5	-	81	59					
14th	Corunna	30.11	69	E	2	b		30.07	.00	67	-1	NE	2	b	2	-	73	59					
"	Gibraltar	30.08	66	E	1	b		30.07		65		"	0	b	1	-	81	62					
15th	Lorient	30.15	69	SW	1	b		30.09		60	+3	E	2	b	2	-	77	55					
16th	Funchal	30.17	68	N	2	bc		30.15	.00	68	+1	N	2	c	3	-	70	57					
17th	Corunna	30.29	60	N	2	b		30.07	.00	59	+1	NNW	3	0	2	-	61	55					
19th	Corunna	30.15	59	WNW	1	c		30.30	.00	58	-3	NW	1	bc	6	-	61	52					
21st	Spitzbergen	29.93	35	S	2	0		29.91	+0.1	35	-2	SE	2	0		-	37	32					
"	Lisbon	30.04	66	NNW	5	b		30.03	+0.2	72	+5	E	1	b	5	-	79	63					
23rd	Wishy	30.10	54	"	0	b		30.13	.00	55	-2	N	2	b		-	59	45					
"	Lisbon	29.89	83	NNW	5	b		29.97	+0.2	76	-7	S	1	b	5	-	97	73					
"	Agnes (Horta).	30.43	67	"	0	b		30.42	+0.1	68	-3	W	1	b	2	-	77	64					
24th	Lisbon	30.02	73	NNW	4	b		30.06	+0.3	71	-5	NNW	4	b	5	-	88	66					
"	Funchal	29.99	68	NNW	5	b		30.04	+0.2	70	0	NNW	5	0	4	-	72	59					
27th	Thamesand	29.83	50	"	0	r		29.79	.00	44	-10	NNE	4	r		0.28	54	44					
"	Sanguinaire	29.78	68	W	6	m		29.94		68	+1	SE	2	m	4	-	72	59					
"	Corunna	30.27	62	NNW	2	b		30.30	.00	63	+4	N	2	b	3	-	66	55					
28th	Lisbon	30.06	87	NW	4	b		30.10	+0.3	84	+5	N	4	b	2	-	99	77					
"	Funchal	30.13	69	N	3	b		30.13	+0.1	70	+2	N	3	0	3	-	73	57					
30th	Berlin	29.91	57	N	1	b		29.98	+0.2	56	+3	NW	1	0		0.20	59	52					
"	Lisbon	30.17	80	NNW	5	b		30.17	?	78	-6	NNW	4	b	2	-	95	73					
"	Funchal	30.12	90	ENE	4	b		30.12	+0.2	87	+11	ENE	4	0	4	-	93	76					

Correction

7th, Making Head.

8pm - 7am

Extreme SW 10

at Midnight.

Correction

7th, 16th, 17th, 18th.

8pm - 1am.

Extreme SW 10

at Midnight.







ADDITIONS AND CORRECTIONS—JUNE, 1913.

[illegible]