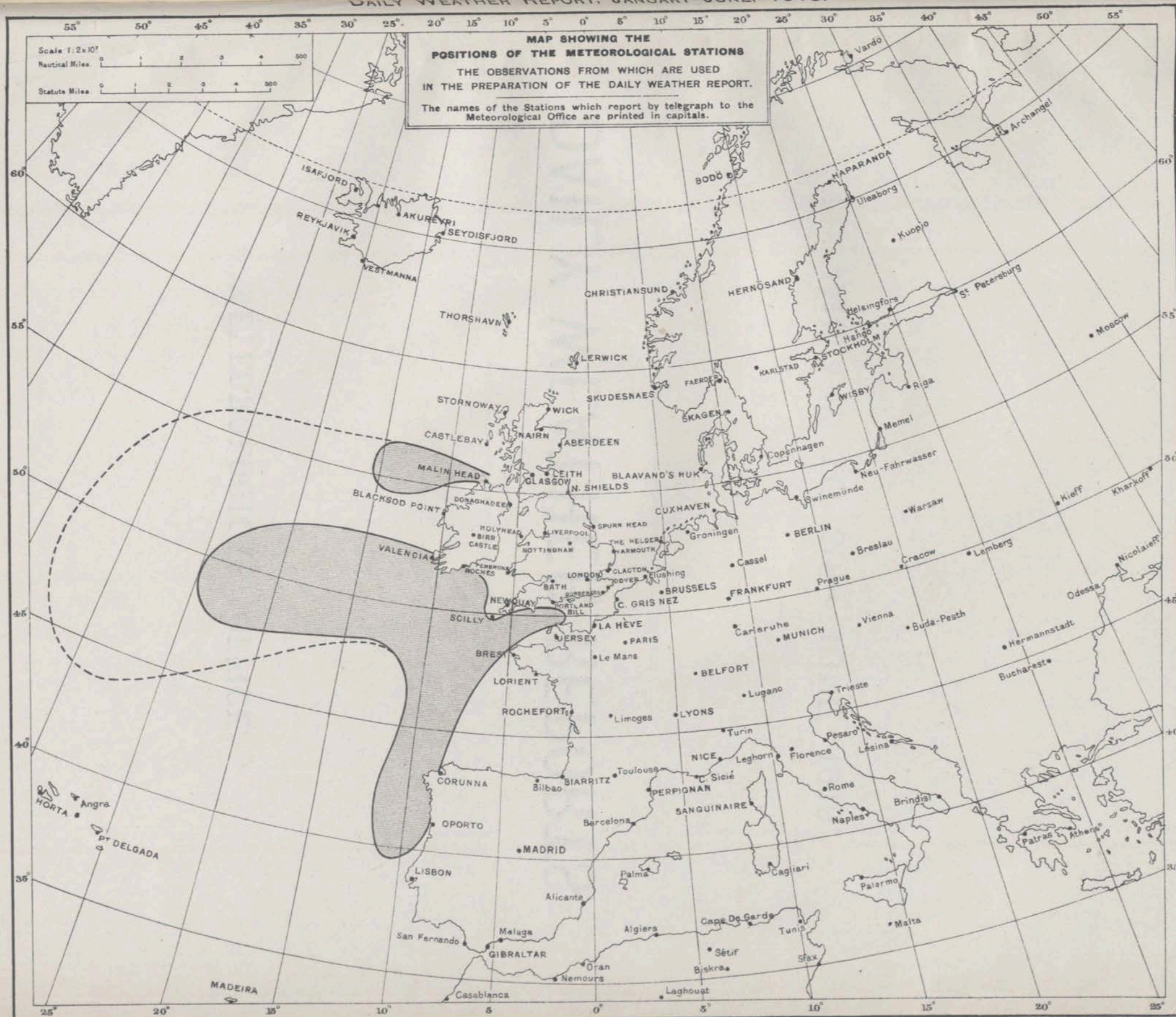


METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1ST JANUARY TO 30TH JUNE 1913.

DAILY WEATHER REPORT, JANUARY-JUNE, 1910.



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

DAILY WEATHER REPORT. APPENDIX I.

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

FIRST QUARTER, JANUARY TO MARCH.

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

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 Maxi- mum.	Daily Mini- mum.	Maximum.		Minimum.					
						Temp.	Year.	Temp.	Year.				
JANUARY.													
Sumburgh Head.....	In. 29.686	39.1	37.6	42.5	35.4	52	1898	0	1910	27	In. 3.94	Hr. 28	% —
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]44	[1898]44	[23]44	[1894]44	[32]44	[2.74]44	—	—
Blackod Point.....	29.961	44.6	42.7	46.5	38.8	[56]44	[1890]44	[26]44	[1891, 94]44	[26]44	[5.15]44	—	—
Valencia.....	30.069	44.4	42.4	48.8	40.0	56	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	—	—
Dungeness.....	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]44	[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
FEBRUARY.													
Sumburgh Head.....	29.693	37.9	36.5	41.8	34.2	53	1910	17	1895	22	2.98	—	—
Stornoway.....	29.690	38.5	37.5	43.8	34.0	55	1891	12	1892	22	4.28	60	23
Castlebay (Barra Isd.)..	[29.772]44	[42.7]44	[40.9]44	[45.7]44	[39.0]44	[50]44	[1909]44	[29]44	[1908]44	[33]44	[3.33]44	[51]44	[20]44
Malin Head.....	29.777	40.8	39.8	44.4	37.2	[59]44	[1891]44	[20]44	[1895]44	[19]44	[2.31]44	—	—
Blackod Point.....	29.879	43.0	41.1	46.6	38.1	[61]44	[1891]44	[24]44	[1902]44	[22]44	[3.80]44	—	—
Valencia.....	29.969	43.4	41.2	49.1	39.9	58	1891	22	1895	22	4.96	71	26
Roche's Point.....	29.967	42.1	41.6	48.0	39.3	56	1877, 89, 96	25	1895, 1900, 02	18	3.83	—	—
Birr Castle.....	29.927	38.5	37.5	46.8	34.6	59	1891	6	1895	17	2.24	67	25
Donaghadee.....	29.858	39.4	38.3	44.2	35.6	57	1897, 1903	13	1895	18	2.31	—	—
Liverpool (Observatory)	29.895	37.8	36.2	44.2	33.8	57	1878	12	1895	16	1.76	[88]44	[32]44
Holyhead.....	29.890	41.3	40.1	45.3	38.1	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	—	—
Dungeness.....	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.....	29.662	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.....	29.750	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.....	29.965	37.4	36.4	46.2	34.3	[62]44	[1899]44	[16]44	[1902]44	14	2.12	73	26
Oxford.....	29.965	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]44	[1909, 10]44	[23]44	[1909]44	[15]44	[1.28]44	37	13
LONDON { Kew.....	29.958	37.4	35.6	44.8	35.1	62	1899	11	1895	14	1.59	60	23
MARCH.													
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	[64]44	[1894, 99]44	[26]44	[1891, 00, 09]44	[24]44	[4.00]44	—	—
Valencia.....	29.957	43.4	41.4	50.4	39.8	66	1899	26	1899, 01	21	4.23	124	34
Roche's Point.....	29.964	42.4	41.4	49.4	39.3	61	1899	27	1899	16	3.02	—	—
Birr Castle.....	29.937	39.2	38.3	49.3	34.6	66	1894	18	1891	17	2.41	110	30
Donaghadee.....	29.912	39.8	38.7	47.2	36.5	64	1892	25	1892, 06	19	2.16	—	—
Liverpool (Observatory)	29.932	39.1	37.2	46.8	36.7	65	1884, 94, 07	21	1880	16	1.83	[121]44	[33]44
Holyhead.....	29.922	41.5	40.2	46.9	38.4	67	1894	27	1881	17	2.51	—	—
Pembroke (St. Ann's Hd.)	29.940	41.1	40.1	46.5	38.9	58	1899	26	1888, 09	17	2.36	133	36
Scilly (St. Mary's).....	30.113	44.6	42.1	49.9	42.1	59	1893	30	1883, 90, 01	18	2.28	145	40
Jersey (St. Aubin's).....	29.935												

DAILY WEATHER REPORT. APPENDIX I.

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

SECOND QUARTER, APRIL TO JUNE.

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

STATIONS.	PRESSURE. 1906-1910. 7 a.m. Observations (reduced to M.S. Level and to Lat. 46°).	AIR TEMPERATURE.								RAINFALL. 1876-1910. Days with Rain. Total Fall.		BRIGHT SUNSHINE. 1881-1910. Average Duration. Per Centage of Possible Duration.	
		Means of				Absolute Extremes.							
		1906-1910.		1876-1910.		1876-1910.							
		Dry Bulb 7 a.m.	Wet Bulb 7 a.m.	Daily Maximum.	Daily Minimum.	Maximum.		Minimum.					
						Temp.	Year.	Temp.	Year.				
APRIL.													
Sumburgh Head	In. 29°844	39°8	38°2	45°9	36°9	60	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	[64]44	[1908]44	[27]44	[1908]44	[21]44	[3°26]44	[177]44	[42]44
Malin Head	29°867	42°3	40°9	49°4	40°7	67	1900	26	1908	19	1°00	—	—
Blackod Point	29°914	45°0	43°0	51°4	41°9	71	1893	29	1897	20	2°05	—	—
Valencia	29°955	44°9	43°0	53°4	42°5	70	1892	30	1879, 92, 97, 98, 00	20	3°03	150	39
Roche's Point	29°967	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°00	[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, 93, 00, 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°05	—	—
Dunegness	29°922	43°8	42°2	51°5	40°7	67	1901	24	1903	13	[1°34]44	—	—
Dover	[29°944]44	[43°9]44	[42°3]44	[52°0]44	[40°6]44	[65]44	[1909]44	[29]44	[1908]44	[16]44	[1°04]44	[200]44	[40]44
Wick	29°859	40°3	38°5	49°1	36°7	69	1900	20	1905	18	1°06	—	—
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	167	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°01	[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	23	1888	16	1°03	[152]44	[37]44
Bath	29°960	42°7	40°9	54°6	38°7	[74]44	[1901]44	[20]44	[1906, 08]44	13	2°17	149	36
Oxford	29°965	43°7	41°1	54°9	38°6	80	1893	23	1892	14	1°73	163	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
MAY.													
Sumburgh Head	29°904	43°8	42°1	49°9	40°2	63	1895	27	1877	18	1°01	—	—
Stornoway	29°893	46°4	44°5	53°3	41°2	75	1908	26	1906	19	2°03	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°9	[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	45°9	[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	58°8	45°6	74	1895	37	1894, 03, 07, 09	14	1°97	—	—
Pembroke (St. Ann's Hd.)	29°926	48°5	47°3	56°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	76	1892	30	1892, 02	12	[1°34]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	83	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
JUNE.													
Sumburgh Head	29°924	48°0	46°7	54°0	44°9	69	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	[67°2]44	[46°1]44	[71]44	[1908, 10]44	[44]44	[1908, 10]44	[14]44	[1°04]44	[209]44	[40]44
Malin Head	29°947	51°5	50°3	58°8	49°3	[78]44	[1905]44	[40]44	[1902, 07]44	[10]44	[2°16]44	—	—
Blackod Point	29°963	53°6	51°7	60°8	51°0	[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										

Saturday.
1st February, 1913.

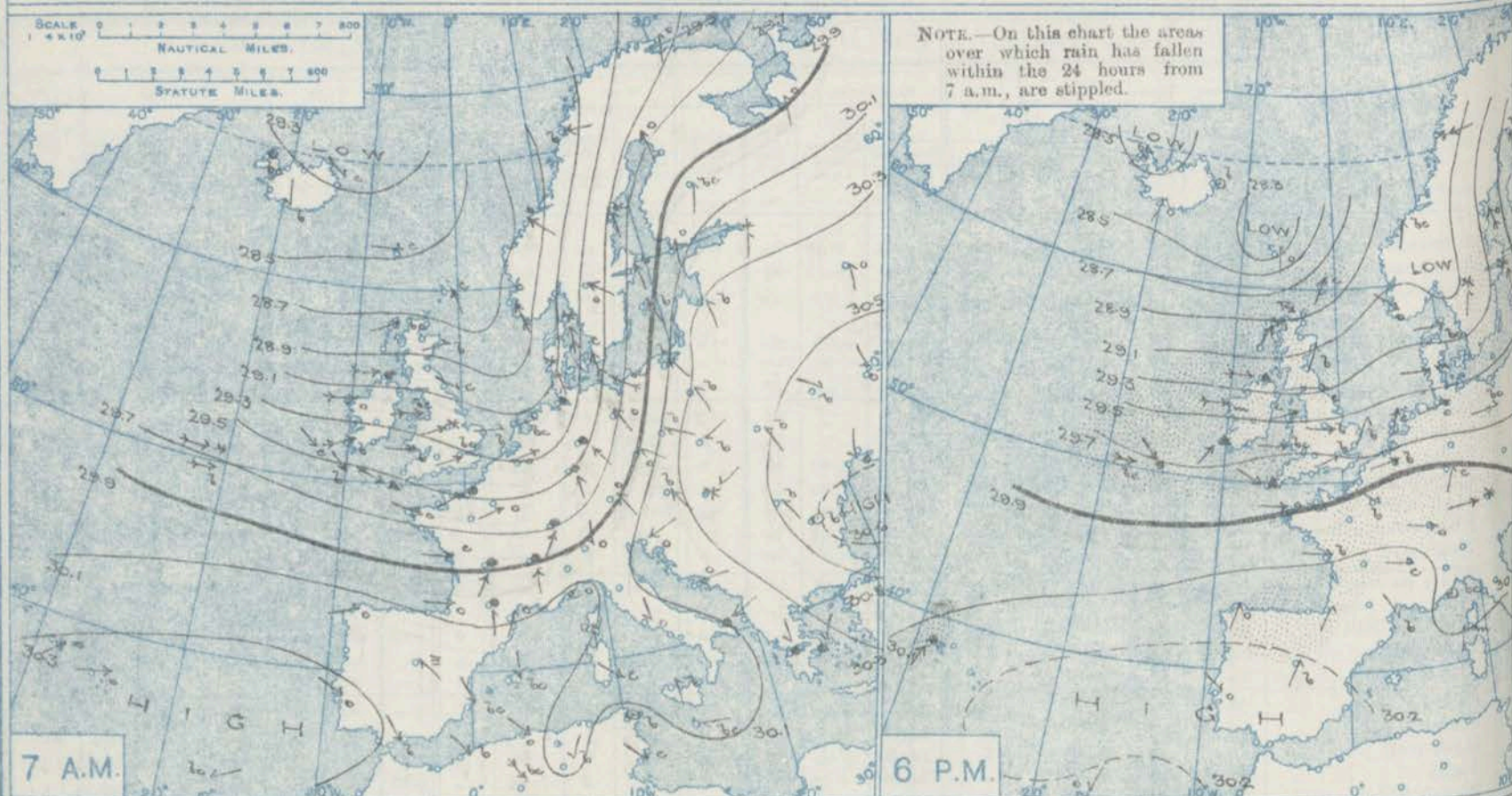
12 February, 1913.

		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun- shine for Yester- day.	
STATIONS.		BAROM.		TEMP.		WIND.	Barometer.	TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.				Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.		
		At 32° Fahr. and M.S.L. Lat. 46°.	Dry Bulb.	Wet Bulb.	Force (0 to 12).		At 32° Fahr. and M.S.L. Lat. 46°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.					Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.						
		In.					In.	In.						In.										Hours	
		28.76	40	SW	5	C	29.02	+0.8	34	-5	SSW	4	S	3	0.25	40	32	cpsh	cph	osq					
		28.96	34	SW	5	ogsptl	29.10	+0.2	28	-2	SW	6	bc	5	0.18	38	32	cpsh	cpsh	bcsh				0.1	
		29.05	57	WNW	4	orshp	29.17	.00	36	-2	W	4	orshp	*	0.13	42	32	orshp	rshp	lshp				0.0	
		29.13	38	W	8	cqhmm	29.29	+0.3	34	-6	SW	3	chq	6	0.20	42	33	cmhpa	mhpq	shq				*	
		29.35	37	W	8	m	29.37	-0.1	40	+1	W	7	eq	5	0.21	40	35	omphq	omphq	omphq				*	
		29.60	43	SW	6	chq	29.55	-0.2	38	-6	S	2	bc	5	0.20	44	36	bcq	chq	bcp				2.6	
		29.64	37	W	3	bc	29.60	.	38	+2	WSW	3	bc	3	0.03	42	34	cgspq	cgspq	b.bcp				*	
		29.48	35	SW	2	c	29.52	.	34	0	SW	1	c	*	0.04	38	32	os	csp	l.bcp				0.0	
		29.33	34	WSW	4	csp	29.45	+0.1	33	0	WSW	2	bc	2	0.19	38	32	bcqps	bcqps	bcsh				*	
		29.47	38	WSW	4	e	29.59	.00	36	-1	SSW	3	b	4	0.04	41	34	bcph	cp	b				5.6	
		29.47	38	WSW	7	c	29.55	.00	36	-2	WSW	6	b	5	0.02	42	35	bc	ch	b				*	
		29.63	42	W	7	bc	29.63	-0.2	41	+1	W	5	oq	6	0.03	44	35	bcq	bcq	bcq				2.6	
		29.74	44	W	8	cqhmp	29.67	-0.6	40	0	S	3	om	5	0.11	44	38	cgpb	bcqht	bcp				3.3	
		29.76	44	WNW	7	bcqhp	29.68	-0.3	41	+1	W	4	om	6	0.22	49	38	bcp	bcphq	cpq				4.2	
		29.73	41	W	7	bc	29.73	-0.3	45	+5	SW	4	c	5	0.03	45	40	cpq	bc	bc cp				*	
		29.68	42	W	6	b	29.78	-0.1	45	+2	SW	5	c	4	-	45	38	cpq	c.b	c.b				*	
		29.71	39	SSW	4	b	29.81	.	42	+1	SW	3	c	5	-	43	37	c.b	b	b.bcp				6.3	
		28.92	34	SW	5	c	29.14	+0.5	33	+1	SW	3	c	4	0.11	36	30	bc.cos	cpshq	cpshq				*	
		29.02	32	W	3	S	29.17	.	33	+1	W	3	o	1	0.16	36	30	csp	sq	sq				0.4	
		29.08	36	SW	3	b	29.28	+0.2	34	+2	SW	5	bc	3	-	40	32	b.b	bc.b	bcq				2.7	
		29.18	35	WSW	5	r	29.36	+0.3	35	0	SW	3	bc	*	0.32	38	32	osq	osq	osq				*	
		29.27	37	W	4	c	29.46	+0.2	36	0	S	2	c	2	0.01	41	33	c	rsp.c	c				*	
		29.41	39	SW	6	c	29.61	+0.1	35	-3	SSW	6	bce	5	-	41	35	cpq	cpq	bcq				*	
		29.57	39	SW	2	b	29.74	+0.3	34	-4	SW	2	bc	2	Trace	42	34	bc	bc.o	b.bcp				5.3	
		29.63	40	WSW	4	bc	29.77	+0.1	39	+3	SW	3	c	3	-	43	36	c.b.c	b.b	b.b				5.8	
		29.53	38	W	6	b	29.68	.	34	-2	SW	3	b	*	0.02	42	33	bc.c	c.b	b				6.2	
		29.70	37	W	3	rshq	29.72	.	39	0	WSW	1	o	*	0.21	50	33	-	bc.rshp	-				3.2	
		29.69	38	WSW	4	b	29.77	-0.1	37	-2	SW	3	oc	*	-	43	35	bc.b	bc.b	c.b.b				6.8	
		28.27	24	W	2	bc	28.52	+0.6	23	+1	-	o	b	*	*	*	*	GALES. Duration and Extreme Force on British Coasts.							
		28.25	26	-	0	o	28.43	.00	27	+10	-	o	b	*	*	*	*								
		28.44	31	SW	1	o	28.47	-0.2	29	+6	S	2	c	4	*	*	*								
		28.49	20	-	0	b	28.61	+0.1	29	+3	NE	4	r	*	*	*	*	Malin Head. Jan-11pm Extreme W.g.							
		28.29	37	S	3	o	28.78	+0.2	35	+1	SW	4	o	*	*	*	*								
		29.56	14	S	4	b	29.82	-0.2	15	-3	?	6	c	*	-	23	14	Blacksock Point. Jan-4pm do. W. S							
		29.28	31	S	3	o	29.28	.00	28	+5	S	2	c	*	0.08	24	28								
		29.32	29	S	3	o	29.40	+0.3	30	+1	SW	2	bc	*	0.04	32	28								
		29.40	27	SSE	6	S	29.53	+0.7	34	+6	WSW	6	b	*	0.16	34	28	Scilly. Jan-Moon. do. W. S squalls force 3, gusts 65mph. (11)							
		29.41	30	SW	4	S	29.35	+0.6	34	+7	WSW	4	o	*	0.32	34	27								
		29.07	29	NW	2	o	29.30	+0.4	33	+5	SW	5	o	4	-	33	27								
		28.95	21	SSE	6	o	29.02	+0.6	30	+2	E	4	S	2	-	32	28	Aberdeen. Jan Squalls 4mph (8)							
		28.31	28	SW	3	c	29.01	+0.8	39	+1	SW	2	bc	4	-	39	34								
		29.04	37	W	6	c	29.22	+0.2	37	-8	WNW	6	o	4	?	45	34								
		29.18	35	W	5	bc	29.39	+0.4	34	+4	WSW	5	c	1	0.12	36	28	Pembroke. 1pm. Extreme WSW. S.							
		29.38	36	W	4	m	29.55	+0.4	36	+5	W	3	o	2	0.08	36	30								
		29.52	35	WSW	6	o	29.70	+0.3	34	-1	WSW	5	o	*	0.16	41	34								
		29.59	41	SW	6	b	29.76	+0.7	40	-2	SW	4	b	2	Trace	43	37	Cuxhaven							
		29.81	37	WSW	4	b	29.91	+0.3	36	-10	SSW	2	o	*	0.04	46	35								
		29.60	36	W	2	bc	29.89	+0.6	33	+12	S	2	o	*	0.32	37	21								
		29.93	35	SW	3	c	30.04	+0.4	36	-6	SW	3	o	*	0.39	46	34	The Helder							
		30.02	33	W	7	S	30.17	+0.1	33	+5	S	2	o	*	0.12	41	28								
		29.71	44	W	7	c	29.81	+0.1	43	-2	SW	6	c	3	Trace	50	41								
		29.89	41	W	7	o	29.87	.	41	-3	SW	5	o	5	0.12	46	37	Brussels							
		29.94	46	WNW	6	o	29.80	-0.09	45	-1	S	2	o	5	-	48	43								
		30.09	48	W	3	o	29.97	.	47	-4	S	3	o	*	0.08	54	46								
		30.15	54	SW	3	o	29.96	.	52	-6	SE	3	b	7	0.16	57	48	Berlin							
		29.93	38	SSE	2	b	29.97	-0.2	41	-7	S	3	o	*	Trace	48	37								
		30.00	38	W	6	o	30.13	.	37	-6	SW	4	o	*	0.20	44	34								
		30.13	46	W	1	c	30.16	.	41	-3	SSE	1	o	*	0.08	58	39	Frankfurt							
		30.02	42	-	0	bc	30.15	+0.4	40	-2	-	o	c	3	-	48	37								
		30.16	54	NW	2	b	30.14	-0.3	46	+3	W	1	b	*	64	46									
		30.10	50	SSW	4	m	30.21	.	54	+1	ESE	1	o	3	-	55	43	Munich							

* 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. 31ST JANUARY.



GENERAL INFERENCE

The depression which is approaching our south-west coasts is likely to move in a north-easterly direction across the country, and will occasion

WEATHER PROSPECTS.

further falls of rain, sleet or snow in all districts. Increasing southerly and south-westerly winds are probable in the Channel.

FORECASTS FOR THE 24 HOURS NOON SATURDAY

- 0 {
a } Southerly and South-Westerly
b } winds, freshening; fair to-day, some
1 } sleet or snow tomorrow; remaining
cold.
2 {
a }
b }
3 }
4 {
a }
b }
5 }

FORECAST DISTRICTS.



STORM WARNINGS.

The Conditions 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.

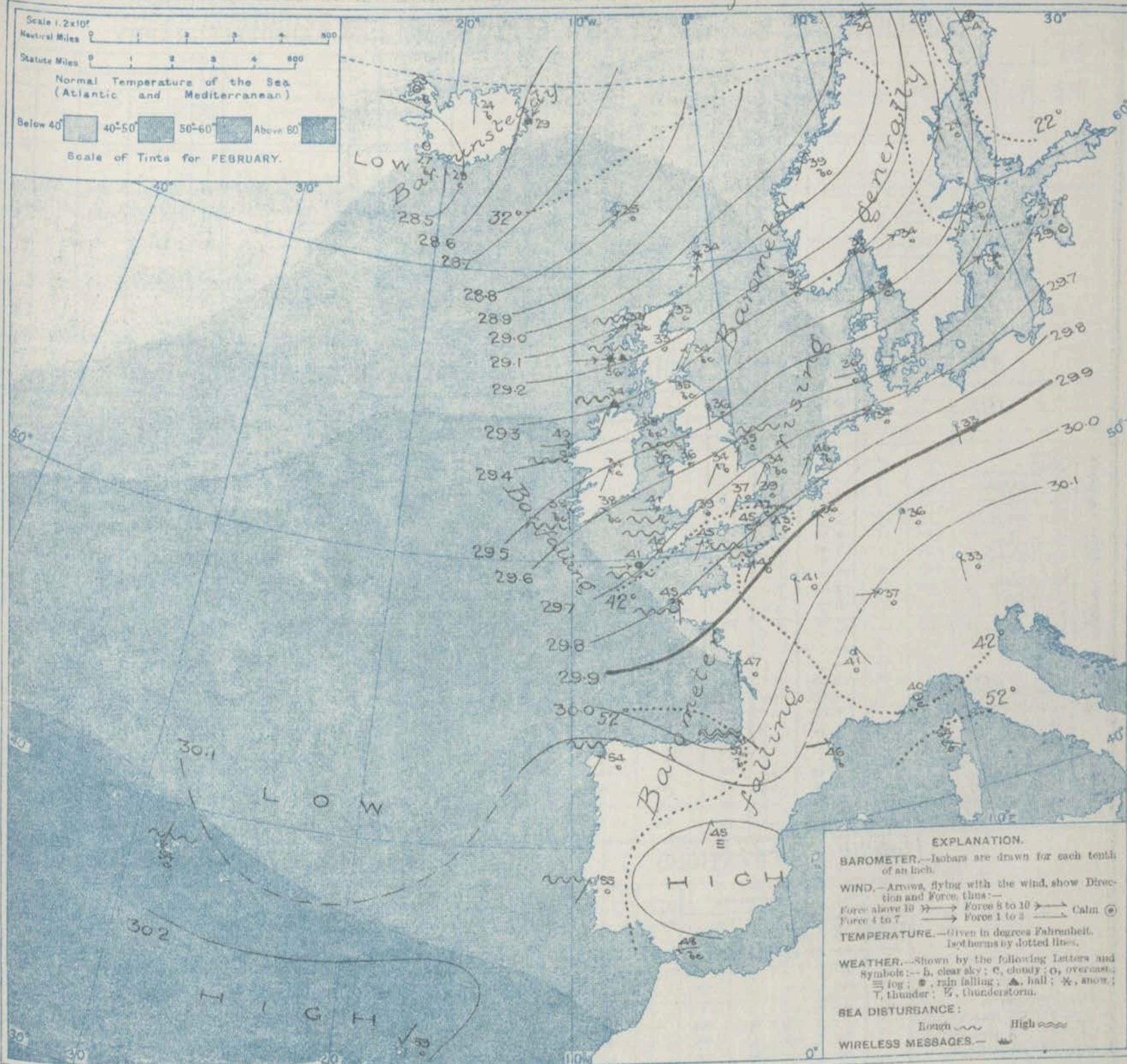
NO WARNINGS
ISSUED.

TO NOON SUNDAY.

- 6 {
a } South-Westerly winds, fresh or strong,
b } changeable, some hail or sleet expected,
remaining cold.
7 {
a } South-Westerly to Southerly
b } winds, freshening considerably;
dull, some rain, sleet in places;
rather milder.
8 {
a } Southerly and South-Westerly
b } winds, freshening considerably;
dull, unsettled, some rain;
rather milder.
9 {
a } Southerly or South-Westerly winds
b } freshening; fair at first, some rain
later; becoming temporarily
milder.
10 {
a }
b }
11 WESTERN CHANNEL AND BAY. Southerly and
South-Westerly winds and a rough sea;
dull, some rain; becoming temporarily
milder.

THE FURTHER OUTLOOK.

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



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The deep depression which covered western Europe yesterday has partially dispersed and the barometer has risen generally. A fresh disturbance is, however, approaching Iceland from the westward, and secondary systems are apparently advancing towards our own south-west coasts.

The wind is Southerly or South-Westerly over the United Kingdom, France, Germany and the Netherlands, and blows strongly on our extreme north-west coasts. On the eastern side of the North Sea it is moderate to fresh from the Westward. Temperature has risen in Scandinavia, Denmark,

and North Germany, fallen in most other countries. Over the United Kingdom generally the thermometer is below 40°, and in several of the more northern districts it is below 35°. The continental values range from 55° at Lisbon, and 52° at Biarritz to 30° and less over the greater part of Scandinavia. The weather is fair or fine over the major part of these Islands, but rain is falling at Scilly and showers of hail or sleet on our extreme north-west coasts. At most of the continental stations the sky is overcast. The sea is rough or rather rough on all our W^{est}, S^{outh}, and extreme N^{orth} coasts.

DAILY WEATHER REPORT.

Saturday, 1st February, 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
31st Jan 6pm	50	18	Mount Temple	H	29.84	-.03	W	6-7	bc	31st Jan 7am	50	21	Mount Temple	H	29.91	-.00	W	8-9	s
" " "	50	17	Ivernina	H	29.74	-.02	W	8-9	b	" " "	49	20	Ivernina	H	29.82	-.02	W	8-9	b
" " "	50	16	Asian	O	29.66	.00	WNW	8-9	r										

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

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.		In.					Hr.	England, S.E.		In.					Hr.
Oban	...	...						Margate	...	0.19	44	39	b	b	6.0
Stouehaven	...	...						Ramsgate	...	0.25	44	38	"	"	5.5
St. Andrews	...	0.61	44	33	o	s	0.0	Deal	...	0.43	43	38	r.c.	bc.b	5.0
Carnoustie	...	0.30	39	32	ps.b			Folkestone	...	0.21	44	42	r.b.bc	bc	5.5
England, N.E.								Littlestone	...	"	"	"	"	"	6.0
Harrgate	...	0.30	39	32	sp.bc.b	sp.b.sp	4.2	Hastings	...	0.50	44	39	or.bc.b	b	6.5
Scarborough	...	"	42	35	bc	bc	5.3	Bexhill-on-Sea	...	0.45	45	40	b	b	6.0
England, N.W.								Eastbourne	...	?	41	37	m.b	b	6.5
Blackpool	...	0.23	42	38	op	hq	1.8	Seaford	...	0.70	44	37	m.b	b	5.5
Southport	...	0.41	42	38	op.beg	bc.hq	3.0	Brighton	...	0.48	45	40	bc.b	bc	5.5
Buxton	...	0.52	38	30	bc	bc	4.5	Worthing	...	0.54	45	39	b	b	5.5
Matlock	...							Littlehampton	...	"	"	"	"	"	6.0
Douglas	...							Bognor	...	"	"	"	"	"	6.0
Wales.								Southsea	...	0.34	44	38	b	b.c.o.	6.0
Rhyl	...	0.25	42	36	b	b	4.7	Bournemouth	...	0.50	44	37	bc	bc.or	5.5
Colwyn Bay	...	0.20	42	36	b	b.bc	5.0	England, S.W.							
Llandudno	...	0.43	41	38	bc	bc	3.8	Weymouth	...	0.28	44	37	beps	p.bc	4.5
Bettws-y-Coed	...	"						Teignmouth	...	0.26	45	35	bep	bepq	4.5
Aberystwyth	...	0.18	40	37	r.o.c	c.bc	1.5	Torquay	...	0.49	43	34	o.c	bc.b	4.0
England, E.								Paignton	...	0.62	45	34	beps	bc.b	4.0
Lowestoft	...	0.23	43	35	bc	bc.b	5.8	Ilfracombe	...	0.25	45	37	ep.hq	bc.hq	2.0
Felixstowe	...	0.18	43	36	bc	bc	6.3	Weston-super-Mare	...	0.20	43	38	bsh.b	bc.b	2.0
Walton-on-Naze	...	?	42	37	b	b	5.9								
Southend-on-Sea	...	0.15	43	38	bc	b	6.0								

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.	Max. on Grass.		Forenoon.	Afternoon.	Night.	
			Max.	Min.	24 Hours ended 9 a.m. To-day.					
Greenwich (Royal Obs.)	67	92	44	35	28	-	b	b	b.o	7.0
City (Rushall Row)	"	"	"	"	"	"	"	"	"	3.4
Westminster (St. James's Pk.)	70	91	45	34	29	-	bc	bc	bc.mv	5.7
Camden Sq. (Brit. Rainfall)	68	88	45	32	26	-	b	bc	b.o	6.0
Hampstead (Reservoir)	"	90	41	33	28	-	bc	bc	bc.of	6.4
Kew. (See front page.)										
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.										
Total.			Average Rate.		Max. Rate.					
S. Kensington (Roof of M.O.)			416 Joules.		12.8 Milliwatts.		24 Milliwatts.		5.9	

Additional Observations for Yesterday.

STATIONS.	Rain-fall.	TEMPERATURE.		Night Min. on Grass.	WEATHER.		Sunshine for Yesterday.
		In Screen.	Max.		Night.	Forenoon.	
		Max.	Min.				
Dublin to 4 p.m.	0.29	38	34	31	bc.b	bc.b	3.5
Plymouth to 9 p.m.	0.18	31	25	30	bcq	bcq	2.5
Darwen	0.72	46	33	31	or. th	u.b	4.0
Manchester	"	"	"	"	"	"	"
Birmingham	0.29	48	32	24	r.	c.bc	bc.b
Oxford to 8 p.m.	"	52	36	31	or. th	bcq	bcq.b
S. Kensington (Museum Grounds to 6 p.m.)	0.17	51	39	31	or.c.bc	bc	bc.b

NOTES ON YESTERDAY'S WEATHER.

Over the greater part of the United Kingdom the thermometer yesterday failed to reach 45°, and at many of the northern and central stations it did not touch 40°. The amount of bright sunshine was as a rule very large. Showers of snow, sleet or hail occurred in many districts, and thunder and lightning were observed at several places in the west and north. Wireless reports show that as far west as the 21st meridian ships experienced gales and strong winds from the westward, and changeable weather, with hail or snow in places.

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

Sunday,
2nd February, 1913.

1913.

Force.

(0-12).

8-9

8-9

noon.

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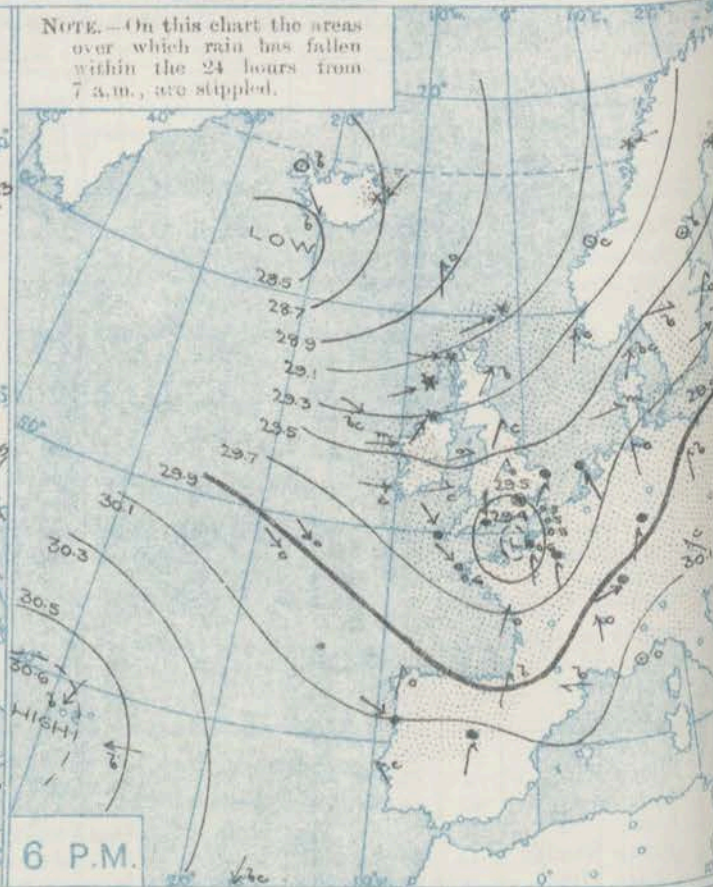
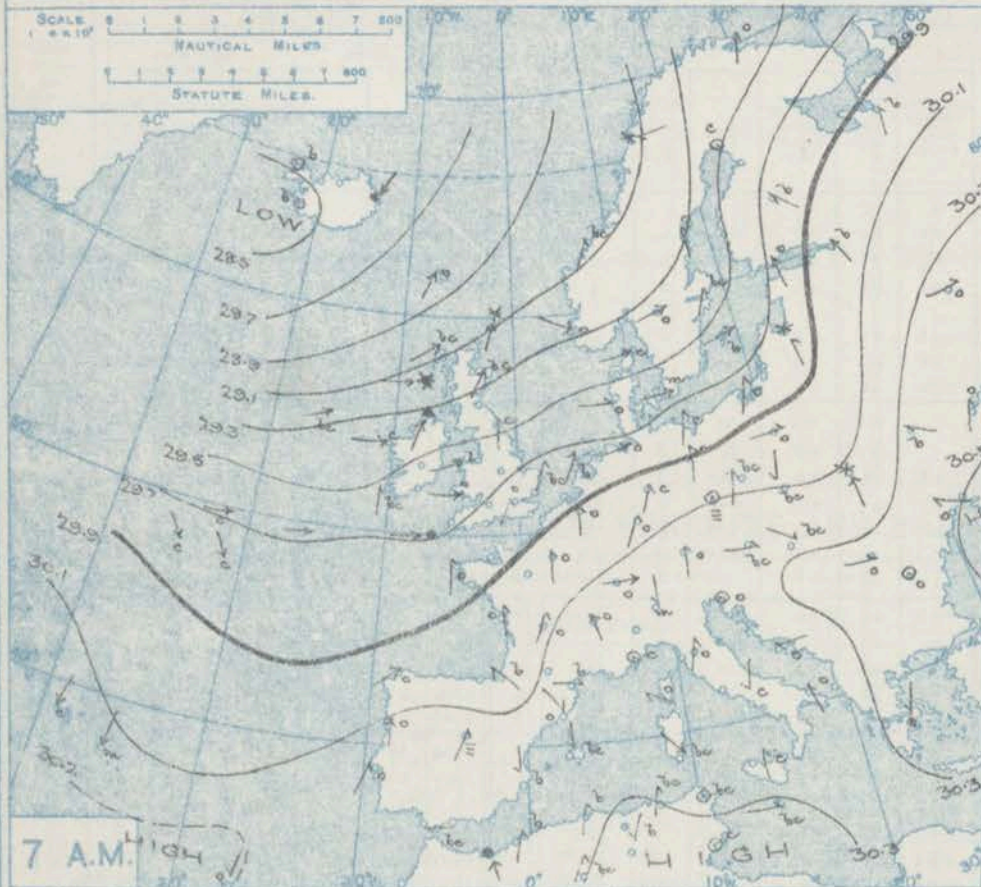
b

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.	Dry Bulb.	Dir.				At 32° Fahr. and M.S.L. Lat. 46°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						Dir.	Force (0 to 12).	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	
Lerwick	In. 29.08	38	SW	4	S	29.06	00	40	+6	SW	4	0	4	0.22	40	32	chp	csp	chptl	*			
Stornoway	29.11	36	W	6	csp	29.11	-03	38	+5	SW	5	r	5	0.30	38	32	csp	csp	csp	0.1			
Castlebay (Barra Isd.)	29.19	40	WSW	5	orshp	29.15	-02	42	+6	WSW	5	0	6	0.05	43	34	rshp	rshp	clsh	0.3			
Malin Head... ..	29.29	36	SW	6	csp	29.25	-06	37	+3	WSW	6	oghp	6	0.10	38	32	csp	csp	oghp	*			
Blacksod Point ...	29.41	40	W	6	m	29.34	-08	44	+4	W	7	r	5	0.30	44	35	csp	csp	csp	*			
Valencia	29.61	40	W	5	c	29.57	-06	46	+8	SW	6	r	5	0.31	47	36	c	c	c	1.2			
Roche's Point ...	29.60	38	W	3	c	29.64	+	44	+6	W	4	r	4	0.05	44	36	bc	bc	bc	*			
Birr Castle	29.52	34	SW	1	c	29.49	+	37	+3	S	5	r	5	0.25	38	32	bc	bc	bc	2.3			
Donaghadee	29.44	34	WSW	2	b	29.44	-02	36	+3	SW	2	b	2	0.04	37	33	bc	bc	bc	*			
Liverpool Obsy. ...	29.51	36	W	2	bc	29.61	+02	37	+1	SW	3	c	4	0.04	41	35	bc	bc	bc	0.4			
Holyhead	29.49	41	WSW	3	0	29.60	00	42	+6	SW	6	b	5	0.04	45	36	bc	bc	bc	*			
Pembroke (St. Ann's Hd.)	29.55	41	WSW	3	c	29.70	-01	44	+3	WSW	7	og	5	0.03	45	39	0	c	c	0.3			
Newquay	29.56	42	WNW	4	0	29.88	+	45	+5	W	6	0	5	0.29	45	39	otm	otm	otm	0.0			
Scilly (St. Mary's) ...	29.60	43	NW	5	csp	29.87	+02	45	+4	W	7	csp	6	0.23	46	38	c	csp	csp	0.4			
Jersey (St. Aubin) ...	29.49	40	N	4	r	29.83	+07	43	-2	W	6	b	4	0.32	46	39	c	r	c	*			
Portland Bill	29.47	45	S	4	p	29.79	+11	38	-7	W	4	bcx	4	0.54	47	31	c	c	c	*			
Dungeness	29.53	43	SW	2	r	29.82	+	35	-7	WSW	4	b	3	0.53	44	34	c	c	c	0.0			
Dover	29.14	36	SW	4	c	29.14	-03	26	+3	SW	3	c	3	0.04	36	32	c	c	c	*			
Wick	29.18	34	W	3	0	29.17	+	36	+3	W	3	bc	1	0.07	36	31	spg	spg	spg	0.6			
Nairn	29.26	37	SW	4	bc	29.28	+01	33	-1	SE	1	0	2	0.01	39	31	bc	bc	bc	1.6			
Aberdeen	29.34	37	SW	4	bc	29.37	-02	38	+3	SW	4	bc	2	0.01	43	33	bc	bc	bc	*			
Leith	29.41	39	SW	3	c	29.47	+01	36	0	SSW	3	c	2	0.01	43	33	bc	bc	bc	2.0			
North Shields ...	29.50	38	S	3	bc	29.59	+03	35	0	SW	5	bc	4	0.01	40	33	c	c	c	*			
Spurn Head	29.56	41	SW	2	r	29.67	+12	34	0	W	3	b	2	0.29	43	32	bc	bc	bc	0.0			
Yarmouth	29.52	41	SE	2	or	29.74	+10	34	-5	W	3	b	2	0.20	42	34	c	c	c	0.0			
Clacton-on-Sea ...	29.55	38	SW	1	0	29.67	+	33	-1	SSW	2	b	2	0.01	40	31	bc	bc	bc	0.0			
Nottingham... ..	29.54	37	W	1	r	29.79	+	37	-2	SW	2	b	2	0.20	43	33	r	r	r	0.0			
Bath	29.50	40	-	0	otm	29.80	+05	34	-3	SW	3	bm	3	0.20	43	33	otm	otm	otm	0.0			
London (Kew Obsy.)...	28.60	24	-	0	b	28.77	+11	28	+5	-	0	b	0	0.01	25	12	bc	bc	bc	0.0			
Isafjord... ..	28.51	25	W	3	0	28.75	+12	19	-8	-	0	b	0	0.01	25	12	bc	bc	bc	0.0			
Reykjavik	28.49	31	NW	2	b	28.76	+08	26	-3	N	1	b	3	0.01	25	12	bc	bc	bc	0.0			
Vestmanna	28.68	30	NE	4	S	28.75	+03	32	+3	E	3	c	0	0.01	25	12	bc	bc	bc	0.0			
Seydisfjord	28.86	33	S	1	0	28.87	+01	37	+2	SSW	3	c	0	0.01	25	12	bc	bc	bc	0.0			
Thorshavn	29.45	12	S	6	S	29.38	-01	25	+10	SSW	2	0	0	0.12	25	12	bc	bc	bc	0.0			
Haparanda	29.39	19	-	0	b	29.39	00	23	-5	-	0	b	0	0.01	25	12	bc	bc	bc	0.0			
Hernösand	29.57	33	SW	2	0	29.58	-01	32	+2	SSW	2	0	0	0.01	25	12	bc	bc	bc	0.0			
Stockholm	29.69	34	WSW	4	b	29.56	-06	32	-2	S	2	bc	0	0.01	25	12	bc	bc	bc	0.0			
Wisby	29.51	33	WSW	2	b	29.50	00	33	-1	SSW	2	0	0	0.01	25	12	bc	bc	bc	0.0			
Karlstad	29.45	35	SW	6	b	29.44	-01	35	+2	SSW	4	0	3	0.01	25	12	bc	bc	bc	0.0			
Færder (X'ania Fjord)	29.16	30	E	4	S	29.16	-01	28	-2	E	4	b	1	0.01	25	12	bc	bc	bc	0.0			
Bodö	29.18	37	-	0	c	29.13	-03	35	-4	SE	2	c	4	0.01	25	12	bc	bc	bc	0.0			
Christiansund	29.37	39	SSW	6	0	29.32	00	38	+1	S	6	c	5	0.08	41	36	bc	bc	bc	0.0			
Skudesnaes	29.56	35	SW	5	bc	29.47	-01	35	+1	SSW	2	0	0	0.01	25	12	bc	bc	bc	0.0			
The Scaw (Skagen)...	29.63	35	WSW	3	m	29.56	-01	33	-3	NE	1	m	1	0.04	36	30	bc	bc	bc	0.0			
Blaavands Huk	29.71	35	S	3	0	29.24	-02	33	-1	N	4	S	0	0.20	37	32	bc	bc	bc	0.0			
Cuxhaven	29.49	42	SSE	3	r	29.76	+21	38	+2	W	5	0	0	0.47	48	34	bc	bc	bc	0.0			
The Helder	29.91	33	S	1	b	29.26	-20	35	+2	S	3	0	0	0.16	41	32	bc	bc	bc	0.0			
Brussels	29.73	41	SW	2	r	29.62	+25	43	+7	NW	4	0	0	0.28	48	36	bc	bc	bc	0.0			
Berlin	30.00	34	SE	2	c	29.69	-05	39	+6	SW	2	c	0	0.01	25	12	bc	bc	bc	0.0			
Frankfurt	29.52	42	SSE	5	r	29.78	+12	41	-2	W	6	b	5	0.37	46	39	bc	bc	bc	0.0			
Munich	29.39	47	S	4	r	29.91	+	41	0	WSW	6	0	6	0.63	47	37	bc	bc	bc	0.0			
C. Gris Nez... ..	29.64	46	NW	5	r	30.06	+06	46	+1	WNW	4	b	4	0.55	46	43	bc	bc	bc	0.0			
La Hève	29.74	54	SW	5	0	30.15	+	47	0	NW	4	bc	0	0.24	54	46	bc	bc	bc	0.0			
Brest (St. Mathieu) ...	29.84	61	SW	4	b	30.22	+	50	-2	NNW	3	r	6	0.39	63	46	bc	bc	bc	0.0			
Lorient (Bec Melen)...	29.57	49	S	5	r	29.95	+16	39	-2	WSW	3	bc	0	0.28	52	39	bc	bc	bc	0.0			
Rochefort (Ile d'Alx)	29.93	41	WSW	6	r	29.97	+	37	0	W	7	r	0	0.20	50	36	bc	bc	bc	0.0			
Biarritz	30.16	49	S	5	0	30.01	+	44	+3	NW	6	r	0	0.01	25	12	bc	bc	bc	0.0			
Paris	30.14	46	-	0	0	30.03	-04	47	+7	-	0	r	3	0.12	52	39	bc	bc	bc	0.0			
Belfort	29.94	50	E	1	b	30.05	+06	52	+6	W	3	0	0	0.01	25	12	bc	bc	bc	0.0			
Lyons	29.78	57	SSW	3	0	30.39	+08	50	-4	WNW	3	c	5	0.24	59	45	bc	bc	bc	0.0			
Nice	30.17	54	SE	3	c	30.38	+10	49	-6	N	4	b	6	0.04	57	48	bc	bc	bc	0.0			
Perpignan	30.17	55	NE	3	b	30.21	+	54	+6	NW	4	c	1	0.01	25	12	bc	bc	bc	0.0			
Sanguinaire	30.57	52	E	5	b	30.63	+03	49	+3	NE	4	b	2	0.01	25	12	bc	bc	bc	0.0			
Corunna (8 a.m.) ...	30.62	53	NE	4	b	30.65	+01	46	-8	W	1	b	2	0.01	25	12	bc	bc	bc				

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 1st FEBRUARY.



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 Coast.	South Coast.
North Coast.	North Coast.

SOUTH COAST HOISTED

Districts 6-10 at 8.20 a.m. to-day.

6 {
a
b

7 {
a
b

8 {
a
b

9 {
a
b

10 {
a
b

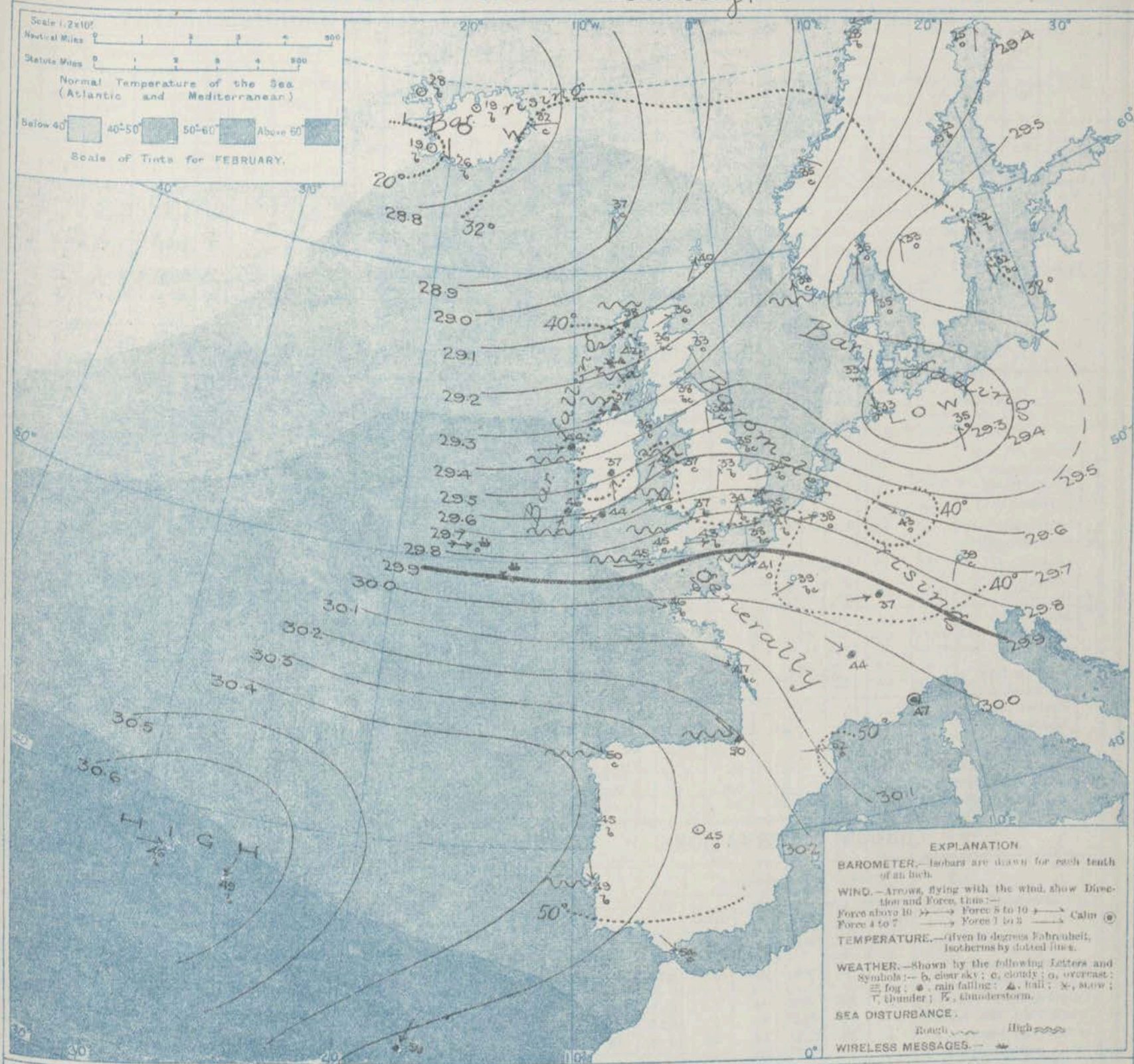
11 WESTERN CHANNEL AND BAY.

THE FURTHER OUTLOOK.

None Issued.

None Issued.

SYNOPTIC CHART FOR 7 A.M. Sunday, 2nd FEBRUARY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure is above 30.6 in. in the Azores region and relatively high thence to the Peninsula, while it is below 29.3 in. in a depression that has reached over Germany from the eastward, and below 28.8 in. in a very large depression of little intensity over Iceland and its neighbourhood.

A fresh to high wind from the West or South-West prevails along our western seaboard, and a gale is, according to wireless reports, blowing in Lat. 50° N., Long 16° W. A separate circulation is shown with the German depression but it has little force. At most stations in Iceland calm is reported. Temperature has risen in the west

and north of these Islands, and now ranges from 46° at Valencia, and 45° in Cornwall to 33° at Aberdeen and Nottingham. Temperature continues below 32° in a large area in northern Europe. The sky has little cloud in the southeast of England, and in a few other parts of these islands, but rain is falling at many high stations, and snow or rain in the Hebrides. Rain is also falling at Biarritz and in the east of France, and snow at the mouth of the Elbe.

DAILY WEATHER REPORT.

Sunday, 2nd February, 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.	
2nd, 7 a.m.	50	16	Montfort	O	29.86	+07	W	8-9	c										
1st, 6 p.m.	48	18	Majestic	H	29.96	+06	NW	4-5	c	1st, 7 a.m.	48	23	Majestic	H	29.89	-04	NW	6-7	c
"	48	17	Manitou	H	29.94	+02	NW	6-7	c	"	49	21	Oceanic	O	29.69	+05	W	6-7	c
"	55	12	Cotinthian	H	29.32	+06	W	6-7	bc.	"	48	20	Manitou	H	29.76	+01	NW	6-7	c
1 p.m.	54	14		H	29.26	+02	W	6-7	bc.	"	54	16	Cotinthian	H	29.22	+02	WSW	6-7	bc.
"	51	10	Ivernia	H	29.66	+05	W	6-7	bc.	"	49	15	Princess Temple	H	29.72	00	W	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	In.					Hr.	England, S.E.	Margate	In.					
	Stonehaven								Ramsgate						
	St. Andrews								Deal						
	Carnoustie								Folkestone						
England, N.E.	Harrogate	0.14	38	32	bc.c.bc.	bc.c.bc.	2.5	England, S.W.	Littlestone						
	Scarborough								Hastings						
	Blackpool	0.02	43	37	c.o.	o.	2.4		Bexhill-on-Sea						
	Southport	0.02	43	35	o.bc.	o.bc.	3.7		Eastbourne						
England, N.W.	Buxton	0.08	36	30	cc.	bc.	0.0	England, S.E.	Seaford						
	Matlock								Brighton						
	Douglas								Worthing						
	Rhyl								Littlehampton						
Wales.	Colwyn Bay	0.09	42	36	o.c.	c.bc.	1.0	England, S.W.	Bognor						
	Llandudno								Southsea						
	Bettws-y-Coed								Bournemouth						
	Aberystwyth								Weymouth						
England, E.	Lowestoft							England, S.W.	Teignmouth						
	Felixstowe								Torquay						
	Walton-on-Naze	0.02	43	40	o	o.of.	0.0		Paignton						
	Southend-on-Sea	0.04	43	35	o	of.	0.0		Ilfracombe						

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.																
	%	%				In.			Hr.		In.								
Greenwich (Royal Obsy.) ...	98	81	44	33	28	0.23	0	of	of. c.b.c.	0.0	Dublin to 4 p.m.	0.20	39	33	32	sq. b.	bc.	c.b.	
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	0.0	Plymouth to 9 p.m.	0.29	43	38	31	of.	o.	bc.	
Westminster (St. James's Pk.)	95	85	45	33	30	0.23	0.1	1	fm. x.b.c.	0.0	Darwen	0.05	36	30	28	oph.	tle.	s.o.s	
Camden Sq. (Brit. Rainfall)	84	85	44	32	27	0.25	0	of	of. o.	0.0	Manchester	0.02	41	34	28	o	c.o.	of. o.	
Hampstead (Reservoir) ...	*	85	42	32	22	0.22	0.5	of	ex.	0.0	Birmingham	—	39	32	25	o	o	a.c.b.	
Kew. (See front page.)											Oxford to 8 p.m.	—	41	34	29	b.m.e.o	o	of.	
			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																
			Total.		Average Rate.		Max. Rate.												
S. Kensington (Roof of M.O.)	95	79	124 Joules.		3.8 Milliwatts.		8 Milliwatts.				S. Kensington (Museum Grounds to 6 p.m.)	0.15	44	35	25	b.b.c.o.	om. of.	of. om.	

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

2nd & 3rd Feb., 1913.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth	...	7.36	12.7	4.38
	...	7.35	12.7	4.39
Greenwich	...	7.39	12.14	4.49
	...	7.38	12.14	4.50
Wick	...	8.19	12.26	4.33
	...	8.17	12.26	4.35
Valencia	...	8.23	12.55	5.27
	...	8.21	12.55	5.29

Temperature failed to reach 40° over a large portion of the United Kingdom yesterday, and fell to slightly below 32° at some places during the night. Rain has fallen in most districts, and snow and sleet in the northern half of the Kingdom. On the south coast of Kent the measurement was about 2 in. and in some other parts of these islands about 1 in. Very little or no bright sunshine was recorded except in some localities in Ireland, and the north of England. According to wireless reports strong breezes, mainly from the Westward, were general on the Atlantic as far west as the 22nd Meridian.

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

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.

12.25.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

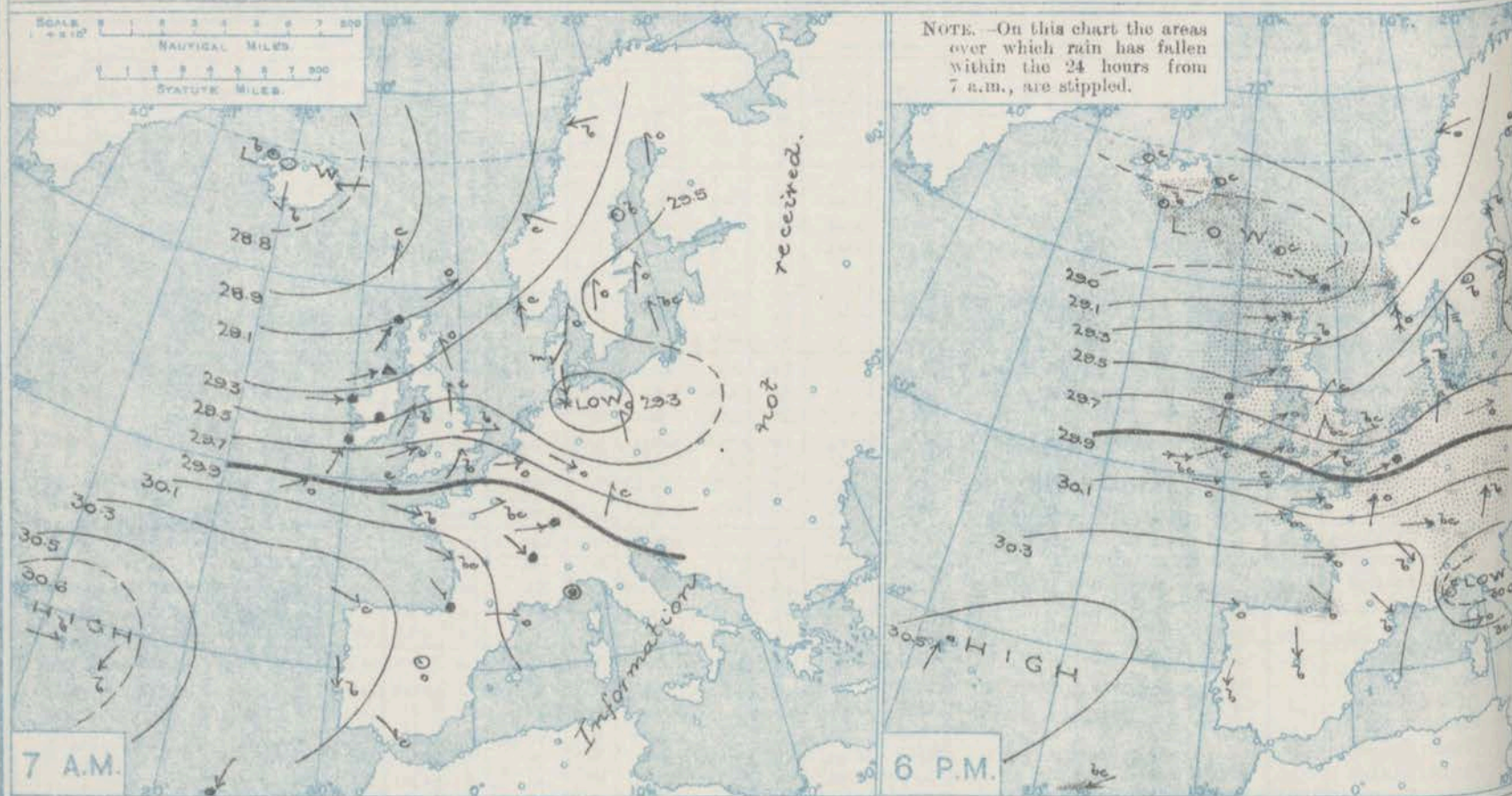
Monday,
30 February, 1913.

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 82° Fahr. and M.S.L. Lat. 45°.		Dry Bulb.	Direc.			Force (0 to 12).	At 32° Fahr. and M.S.L. Lat. 45°.		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.							In.	Change since 4 a.m.															
Lerwick	29.03	35	WNW	4	r	29.19	-0.4	38	-2	SW	4	r	4	0.39	41	34	clgy	omps	or					
Stornoway	29.27	37	W	6	bcspr	29.19	-0.5	49	+11	WSW	7	rq	6	0.37	49	35	clgy	bcspr	cdgy	0.8				
Castlebay (Barra Isd.)	29.35	43	WNW	4	o	29.33	-0.2	49	+7	SW	7	d	6	0.15	49	37	clgy	clgy	or.d.	0.8				
Malin Head	29.45	44	WSW	6	clgy	29.41	0.0	48	+11	SW	9	clgy	7	0.13	49	35	clgy	clgy	clgy					
Blacksod Point	29.58	49	SSW	6	r	29.60	-0.1	50	+6	SSW	8	mq	6	0.20	50	41	omaj	omaj	omaj					
Valencia	29.89	49	WSW	5	c	29.90	0.0	51	+5	S	6	o	6	0.03	52	44	clmp	clbm.	omaj	0.0				
Roche's Point	29.85	49	W	3	bc	29.96		50	+6	WSW	4	o	4	0.10	51	43	clbc	bc.o.b.	clbc					
Birr Castle	29.67	46	SW	5	o	29.78		50	+13	W	6	o		0.17	51	36	or.cl	or	or	1.4				
Donaghadee	29.54	42	WSW	2	bcp	29.66	0.0	49	+13	SW	3	o	2	Trace	49	36	b	bcp	bcp					
Liverpool Obsy.	29.63	44	WSW	5	o	29.79	+0.2	50	+13	WSW	4	o	5	0.03	51	37	od	bc.	c	0.6				
Holyhead	29.65	46	WSW	7	c	29.81	+0.1	48	+6	SW	6	o	5	0.12	48	41	cp	c	bcq					
Pembroke (St. Ann's Hd.)	29.81	48	WSW	6	o	29.98	+0.3	49	+5	WSW	6	clgy	6	0.17	51	42	or	clgy	or	1.3				
Newquay	29.91	49	W	5	o	30.12	+0.3	49	+4	SW	4	om	4	0.07	50	44	clbc	clbc	c	0.3				
Scilly (St. Mary's)	29.98	50	W	6	clgy	30.16	+0.3	50	+5	W	6	clgy	6	0.05	51	45	clgy	clgy	clgy	1.1				
Jersey (St. Aubin)	29.98	49	W	6	clgy	30.26		51		WSW	6	om	5	0.05	51	44	c.o	clgy	clgy	1.5				
Portland Bill	29.85	49	W	6	bc	30.10	+0.5	49	+6	WSW	5	bc	4	0.09	49	43	cl.	bc.	bc.					
Dungeness	29.75	46	W	5	bcq	30.02	+0.6	47	+9	WSW	5	c	5	0.21	47	38	g	or.c.	c.o.b.					
Dover	29.78	44	WSW	6	b	30.05		46	+11	SW	4	c	4	0.19	46	34	b.c.	or.c.	b.c.	3.0				
Wick	29.19	34	W	3	bc	29.19	-0.5	42	+6	SW	3	r	4	0.13	42	32	c	c.b.	clbc					
Nairn	29.28	34	W	1	o	29.28		45	+9	WSW	3	o	2	0.06	45	33	q.p	q.p.	q.p.	0.2				
Aberdeen	29.29	38	WSW	3	b	29.35	-0.4	42	+9	SW	3	o	2		42	33	o	o.c.b.	b.o.	0.3				
Leith	29.38	39	SW	4	c	29.42	-0.4	49	+11	WSW	6	bcq		0.01	49	37	bc	bc.c.	c					
North Shields	29.45	41	WSW	3	c	29.63	+0.2	50	+14	SW	3	o	2		50	34	c.T.	op.c	o.	0.5				
Spurn Head	29.53	41	WSW	6	c	29.77	+0.3	46	+11	SW	6	c	5	0.01	46	34	clgy	clgy	clgy					
Yarmouth	29.58	40	WSW	3	bc	29.88	+0.4	46	+12	WSW	3	c	3	0.20	47	34	b	bc.c.	bc.c.	2.0				
Clacton-on-Sea	29.66	43	W	4	bc	29.96	+0.4	46	+12	WSW	4	o	3	0.15	46	34	b.c.	clgy	bc.c.	1.3				
Nottingham	29.65	41	SW	2	bc	29.86		47	+14	SW	3	c		0.08	47	32	bc.c.	clgy	bc.c.	0.0				
Bath	29.79	44	WSW	6	r	30.05		50	+13	W	7	o		0.16	51	37				0.8				
London (Kew Obsy.)	29.77	45	WSW	4	b	30.02	+0.6	48	+14	WSW	5	o		0.15	48	34	clm.c.	or.c.	bc.c.	0.0				
Isafjord	29.02	26	-	0	c	28.62	-0.5	28	0	NNE	9	o												
Reykjavik	28.94	22	-	0	b	28.31	+0.4	32	+13	-	0	s												
Vestmanna	28.93	25	-	0	b	28.36	+0.4	32	+2	W	6	bc	2											
Seydisfjord	29.01	32	-	0	c	28.74	-0.8	32	0	NNE	5	s												
Thorshavn	28.93	32	-	0	c	28.80	-0.20	36	-1	S	5	r												
Haparanda	29.39	23	-	0	o	29.43	+0.20	18	-7	W	2	b			27	18								
Hernösand	29.40	30	S	4	o	29.45	+0.4	9	-14	N	2	b			34	9								
Stockholm	29.50	31	NNW	2	o	29.57	+0.3	28	-4	W	2	o		Trace	34	27								
Wisby	29.41	33	E	2	c	29.61	+0.7	31	-1	WNW	2	bc		0.24	36	30								
Karlstad	29.51	23	-	0	b	29.55	+0.6	32	-1	SW	2	o			37	21								
Färder (X'ania Fjord)	29.47	30	SW	4	o	29.49	+0.3	34	-1	S	4	o	3		35	30								
Bodö	29.17	26	E	4	b	29.21	0.0	27	-1	E	4	c	2		28	23								
Christiansund	29.17	38	NE	1	c	29.20	+0.8	40	+5	SW	1	o	4		41	34								
Skudesnaes	29.30	40	S	8	o	29.41	+0.4	38	0	SW	4	c	3	0.28	41	36								
The Scaw (Skagen)	29.52	33	SW	2	f	29.52	+0.2	34	-1	SW	3	m	0		36	32								
Blaavands Huk	29.53	35	WSW	2	b	29.62	+0.6	36	+3	WNW	2	bc	2	0.16	36	30								
Cuxhaven	29.70	33	SW	2	b	29.73	+0.8	37	+4	W	4	o		0.28	37	33								
The Helder	29.63	38	SSW	5	clt	29.85	+0.6	44		WSW	5	o	4	0.20	45	37								
Brussels	29.82	40	WSW	5	r	30.05	+0.7	46	+8	WSW	3	o		0.20	46	37								
Berlin	29.81	36	W	2	o	29.73	+0.4	38	+3	W	2	o		0.20	43	34								
Frankfurt																								
Munich	30.16	34	SW	5	b	30.15	+0.1	37	-2	SW	6	o		0.08	43	32								
C. Grs Nez	29.75	47	W	8	bc	30.07	+0.7	47	+6	W	7	c	6	0.35	48	41								
La Hève	30.03	43	NNW	5	o	30.14		43	+2	W	5	o	6	0.04	48	39								
Brest (St. Mathieu)	30.12	50	W	5	m	30.34	+0.7	50	+4	WNW	3	o	4		50	46								
Lorient (Bec Melen)																								
Rochefort (Ile d'Aix)	30.30	50	W	4	o	30.44		50	+3	WNW	3	o			55	45								
Biarritz	30.39	51	NNW	3	b	30.49		52	+2	WSW	4	bc	5	0.08	54	46								
Paris	30.02	44	SSW	6	r	30.26	+0.8	47	+8	SW	2	o		0.04	49	39								
Belfort	30.21	38	W	5	bc	30.33		38	+1	WSW	7	r		0.08	43	35								
Lyon	30.31	40	NNW	2	b	30.47		38	-6	SSW	1	r		0.04	48	33								
Nice	29.97	49	-	0	c	30.25	+0.6	42	-5	NE	2	b	2	0.24	54	39								
Perpignan	30.34	47	NNW	4	b	30.47	+0.2	49		NNW	3	b			51	44								
Sanguinaire	30.09	51	W	4	o	30.26		48		SE	3	m	5		57	43								
Corunna (8 a.m.)	30.47	53	W	3	o	30.58	0.0	62	+2	SSW	3	o	6		57	46								
Lisbon (9 a.m.)	30.49	48	NNE	5	b	30.52	+0.3	44	-5	NE	5	b	6		54	43								
Gibraltar	30.30	52	W	2	b	30.35		57	+3	E	5	o	2											

* Information for these columns not usually received.

† Received too late for insertion in Charts.

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



GENERAL INFERENCE

The deep depression over Iceland will probably move in an easterly direction,

WEATHER PROSPECTS.

and there are indications of the approach of other disturbances to our western coasts.

FORECASTS FOR THE 24 HOURS NOON MONDAY TO NOON TUESDAY.

- 0 {
a S.W. and S.S.W. winds, fresh or
b strong to a gale; rain at times,
squally; mild
- 1 {
a Wind mainly between S.W.
b and S.W., fresh or strong at times
- 2 {
a and S.W., fresh or strong at times
b in most places; much cloud,
- 3 {
a some rain; mild, humid.
b
- 4 {
a
b
- 5 {

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

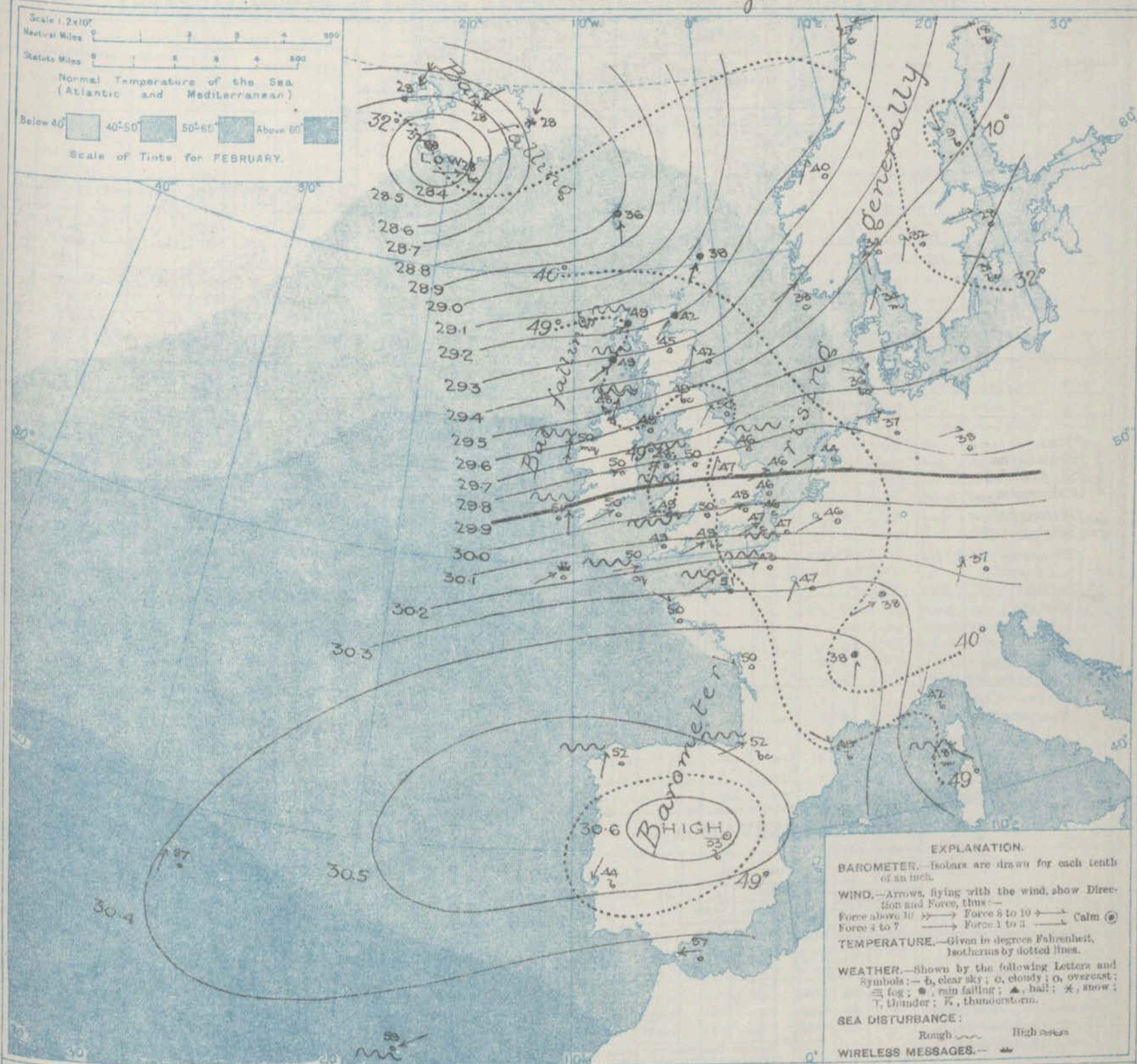
South Cone hoisted yesterday in districts 6 to 10. At 9 a.m. today in District 0.

- 6 {
a
b
- 7 {
a Wind between S. and S.W.
b
- 8 {
a fresh or strong to high, a gale
b in places; squally, some rain
- 9 {
a mild, then colder.
b
- 10 {
a
b

THE FURTHER OUTLOOK.

- 11 WESTERN CHANNEL AND BAY.
S.W. and S.S.W. winds, fresh or strong to a gale; sea rough; squally, some rain and mist.

SYNOPTIC CHART FOR 7 A.M. Monday, 3rd FEBRUARY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

In central Spain pressure is above 30.6 in., and over a very large area extending from the Azores to the Bay of Biscay it is above 30.4 in. To the northward the readings decrease to 29.2 in. in the north of Scotland, and to below 28.4 in. in a depression centred over the south-west of Iceland.

On the west coast of Ireland the wind is Southerly, but over these Islands generally it is South-Westery. Fresh to strong breezes are reported in most places, a high wind in the Hebrides and a gale on the north and north-west coasts of Ireland. In Iceland the wind is mainly North-Easterly, and blows

a gale on the north-west coast. Temperature has risen briskly. Over the United Kingdom it ranges from about 50° over a very large area to 42° at Aberdeen and Wick, and to 38° at Larwick. Much cloud prevails except in some parts of Sweden and in the far south of our area, and rain is falling in the extreme north of these Islands and at Thorshavn, and snow in some parts of Iceland.

DAILY WEATHER REPORT.

Monday, 3rd February, 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.	
3rd Jan. 49 10			<u>Zeeland</u>	0	30.23	+0.2	WSW	4-5	0	2nd, 6 p.m.	49 10		?	H	30.06	+0.3	W	4-5	0
2nd, 6 p.m.	51 12		<u>Mauretania</u>	0	29.87	+11	W	8-9	bc.	"	49 13		<u>Manitou</u>	H	29.93	-0.1	WSW	6-7	0
"	49 11		<u>Minnewaska</u>	0	30.07	+11	W	6-7	c										

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

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	Hr.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	Hr.
			Max.	Min.	Forenoon.	Afternoon.						Max.	Min.	Forenoon.	Afternoon.		
Scotland.		In.							England, S.E.		In.						
Ooan ...		...	...	...	...	...	...	...	Margate ...		...	...	...	...	...	...	...
Stonehaven ...		...	...	...	...	...	...	...	Ramsgate ...		...	...	...	...	...	...	...
St. Andrews ...		...	...	...	...	...	...	...	Deal ...		...	...	...	...	...	...	...
Carnoustie ...		...	...	...	...	...	...	...	Folkestone ...		...	...	...	...	...	...	...
England, N.E.		...	...	...	...	...	...	...	Littlestone ...		...	...	...	...	...	...	...
Harrogate ...		...	...	...	...	...	...	...	Hastings ...		...	...	...	...	...	...	...
Scarborough ...		...	...	...	...	...	...	...	Bexhill-on-Sea ...		...	...	...	...	...	...	...
England, S.W.		...	...	...	...	...	...	...	Eastbourne ...		...	...	...	...	...	...	...
Blackpool ...		...	...	...	...	...	...	...	Seaford ...		...	...	...	...	...	...	...
Southport ...		...	...	...	...	...	...	...	Brighton ...		...	...	...	...	...	...	...
Buxton ...		...	...	...	...	...	...	...	Worthing ...		...	...	...	...	...	...	...
Matlock ...		...	...	...	...	...	...	...	Littlehampton ...		...	...	...	...	...	...	...
Douglas ...		...	...	...	...	...	...	...	Bognor ...		...	...	...	...	...	...	...
Wales.		...	...	...	...	...	...	...	Southsea ...		...	...	...	...	...	...	...
Rhyl ...		...	...	...	...	...	...	...	Bournemouth ...		...	...	...	...	...	...	...
Colwyn Bay ...		...	...	...	...	...	...	...	Weymouth ...		...	...	...	...	...	...	...
Llandudno ...		...	...	...	...	...	...	...	Teignmouth ...		...	...	...	...	...	...	...
Bettws-y-Coed ...		...	...	...	...	...	...	...	Torquay ...		...	...	...	...	...	...	...
Aberystwyth ...		...	...	...	...	...	...	...	Paignton ...		...	...	...	...	...	...	...
England, E.		...	...	...	...	...	...	...	Ilfracombe ...		...	...	...	...	...	...	...
Lowestoft ...		...	...	...	...	...	...	...	Weston-super-Mare ...		...	...	...	...	...	...	...
Felixstowe ...		...	...	...	...	...	...	...	
Walton-on-Naze ...		...	...	...	...	...	...	...	
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.				
	p.m. Yester- day.	a.m. To- day.	In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.				In Screen.	Night Min. on Grass.	Night.	Fore- noon.	After- noon.			
			Max.	Min.														Max.	Min.	
			24 HOURS ENDED 9 A.M. TO-DAY.																	
	%	%				In.				Hr.		In.								
Greenwich (Royal Obs.) ...	91	81	49	38	32	0.18	c.be.	o.or.	a.b.o	0.8	Dublin to 4 p.m.	0.06	47	34	32	b.c	p.c.b.	c		
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	0.0	Plymouth to 9 p.m.									
Westminster (St. James's Pk.)	92	85	50	38	34	0.12	b.c	f.	f.xm	0.0	Darwen									
Camden Sq. (Brit. Rainfall)	-	82	49	37	31	0.12	o	ot.be	b.o	0.0	Manchester "									
Hampstead (Reservoir) ...	=	85	47	34	32	0.12	or.	c.	om.	0.2	Birmingham "	0.08	44	33	25	r	c	c.		
Kew. (See front page.)											Oxford to 8 p.m.	*	46	34	29	f.b.c.	b.c.coy	sg.be		
S. Kensington (Roof of M.O.)	-	86	VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.								0.0	S. Kensington (Museum Grounds to 6 p.m.)	0.21	46	34	25	otm.c.	c.otqr.	o.b.c.b	
			Total.		Average Rate.		Max. Rate.													
			2.01 Joules.		6.1 Milliwatts.		2.2 Milliwatts.													

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

3rd Feb. 1913.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 7.35 12.7	G.M.T. 12.7 12.7	G.M.T. 4.41 4.41
Greenwich ...	7.38 7.36	12.14 12.14	4.50 4.52
Wick ...	8.17 8.15	12.26 12.26	4.35 4.37
Valencia ...	8.21 8.19	12.55 12.55	5.29 5.31

NOTES ON YESTERDAY'S WEATHER.

In many parts of these Islands the highest temperature for the preceding twenty-four hours occurred during the night or early morning, when the thermometer rose to about 50° at many stations. Rain has fallen very generally and some snow in the extreme north. Most localities recorded little sunshine, the highest figure being 3 hours at Dover. A gale in squalls was experienced yesterday or in the night on some exposed parts of our southern and western coasts.

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.

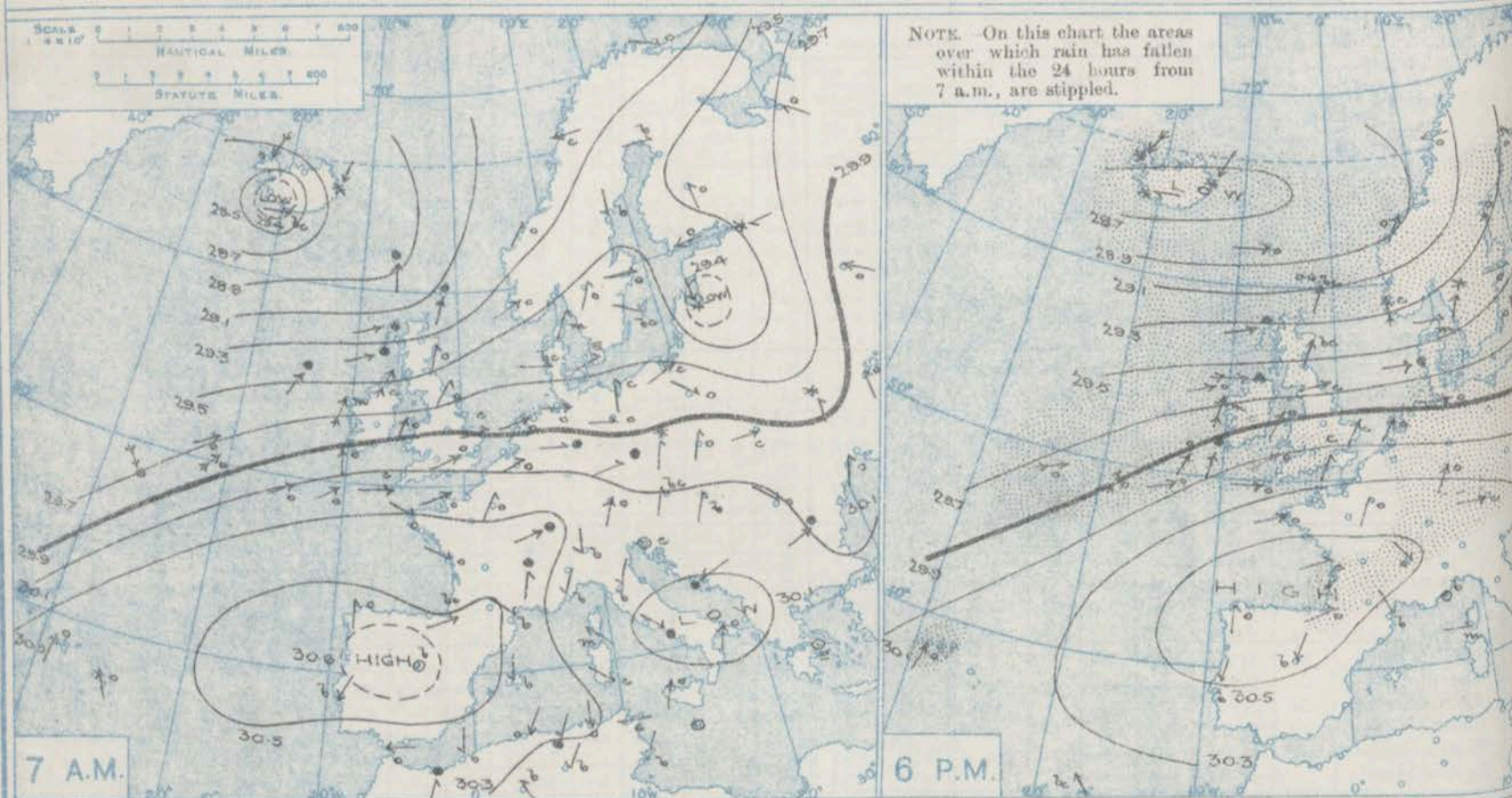
1913.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Tuesday,
4th February 1913.

STATIONS.	YESTERDAY EVENING.						THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun shine for Yester- day.
	BAROM.		TEMP.		WIND.		BAROMETER.		TEMP.		WIND.		Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.						
	At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Dir.	Force (0 to 12).	Weather.	At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.	Dir.	Force (0 to 12).	Weather.			Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.				
Spitzbergen ...	29.61	4	SE	4	b	29.70	+0.04	-10		SE	2	b	*	-	5	-14	*	*	*	*	*		
Lerwick ...	In.					In.	In.							In.						Hours			
Stornoway ...	29.08	45	SW	5	bc	29.38	+0.3	41	+3	SW	5	c	5	0.61	48	35	omrg	bcg	cgghl				
Castlebay (Barra Isd.)	29.33	45	WSW	6	cplg	29.60	+0.3	40	-9	WSW	6	r	5	0.26	50	36	odpaj	oxppl	cpq	0.0			
Malin Head...	29.47	47	WSW	4	o	29.69	+0.5	45	-4	WSW	4	b	5	0.14	49	40	d.f.	r.f.	o.e.b	0.0			
Blacksod Point	29.56	46	W	8	oghm	29.77	+0.5	43	-5	W	6	rm	4	0.15	50	42	mj	mjp	omgr.	*			
Valencia ...	29.68	49	SSW	8	m	29.85	+0.4	44	-6	WSW	7	mj	5	0.22	50	43	fdq	omg	omg	*			
Roche's Point	29.95	50	SSW	5	md	30.04	+0.5	47	-4	SW	3	og	5	0.20	52	46	ong	ond	omr	0.0			
Birr Castle ...	30.02	50	WSW	4	omd	30.07	*	51	+1	WSW	5	o	5	0.02	51	49	omd	omd	o	*			
Donaghadee ...	29.85	51	WSW	6	r	29.97	*	46	-4	WSW	3	o	*	0.11	51	46	dpv.	o.e.	o.e.	0.0			
Liverpool Obsy.	29.70	51	SSW	4	o	29.88	+0.5	48	-1	SSW	3	c	2	0.24	52	48	om	omg	omg	*			
Holyhead ...	29.90	50	SW	4	o	30.00	+0.3	49	-1	SW	5	bc	4	0.02	53	45	og	od	bc	0.0			
Pembroke (St. Ann's Hd.)	29.90	49	SW	7	o	30.00	+0.2	49	+1	SSW	7	o	6	trac	49	47	om	om	omg	0.0			
Newquay ...	30.07	49	SW	6	c	30.14	+0.3	49	+1	SW	6	ogm	6	trac	50	48	ogm	ogm	ogm	0.0			
Scilly (St. Mary's)	30.20	50	SW	4	o	30.27	+0.1	50	+1	W	4	o	4	0.02	50	49	o.p.o	o	o	0.0			
Jersey (St. Aubin)	30.22	50	W	5	om	30.27	+0.2	51	+1	WSW	4	og	5	0.01	52	48	om	om	og	0.0			
Portland Bill	30.35	51	SW	6	o	30.42	*	50	-1	SW	4	om	4	trac	54	48	om	om	ogm	0.0			
Dungeness ...	30.21	50	WSW	6	o	30.29	+0.3	50	+1	WSW	6	c	5	0.01	51	48	c	c	c.c.c	*			
Dover ...	30.13	49	SW	6	o	30.26	+0.4	49	+2	WSW	5	o	5	-	50	46	og	ogp.	o.c.o	*			
Wick ...	30.14	49	SW	5	o	30.27	*	47	+1	SW	5	b	4	-	51	45	c.o.	o	bc.	0.0			
Nairn ...	29.29	42	SW	3	c	29.59	+0.6	36	-6	SW	3	bc	3	0.11	50	35	atp.	omp	ombe	*			
Aberdeen ...	29.38	44	WSW	2	o	29.62	*	39	-6	W	2	bc	1	0.37	50	38	qap	p.r.c.	qr.be	0.0			
Leith ...	29.41	50	SW	4	bc	29.70	+0.6	43	+1	SW	3	o	2	-	53	41	a.c.	c.bq	bcg.o	0.2			
North Shields	29.57	50	SW	5	o	29.77	+0.7	44	-5	WSW	4	r	*	0.15	52	43	bcg.c.o	opg	or.	*			
Spurn Head	29.65	50	WSW	4	c	29.79	+0.3	50	0	WSW	4	c	2	-	55	46	o	c	c	*			
Yarmouth ...	29.85	49	SW	6	c	29.96	0.0	49	+3	SW	6	og	5	-	50	45	og	og	cg	*			
Clacton-on-Sea	29.94	50	WSW	5	c	30.13	+0.3	47	+1	WSW	2	bc	2	0.02	52	45	c.om	om.c	bc	0.0			
Nottingham...	30.06	49	SW	4	o	30.18	+0.3	44	-2	SW	3	bc	3	-	50	44	ogm	ogm	ogbe	0.0			
Bath ...	29.94	51	W	6	o	30.05	*	50	+3	W	6	c	*	0.01	52	47	cp.o	op	a.c.	0.0			
London (Kew Obsy.)	30.14	51	WSW	6	og	30.24	*	50	0	WSW	7	o	*	-	53	49	og	og	-	0.0			
Isafjord...	30.12	50	SW	4	c	30.24	+0.4	47	-1	SW	4	c	*	trac	52	46	c.o	od.c.c	c.o.c	0.0			
Reykjavik ...	28.62	28	-	0	c	29.12	+0.8	26	+2	NE	9	S	*	*	*	*	GALES.						
Vestmanna ...	28.58	29	E	2	S	28.90	+0.4	30	-2	-	0	S	*	*	*	*	Duration and Extreme Force on British Coasts.						
Seydisfjord	28.62	28	-	0	c	28.93	+0.4	33	+5	SSW	6	S	5	*	*	*							
Thorshavn ...	28.65	23	NE	4	S	28.90	+0.1	33	+1	-	0	o	*	*	*	*							
Haparanda ...	28.86	29	W	6	c	29.15	+0.6	38	+2	W	6	c	*	*	*	*							
Hernösand ...	29.35	24	SE	2	o	29.03	-0.8	25	+7	SSE	4	S	*	0.04	25	18	Stornoway. 6 p.m.						
Stockholm ...	29.22	31	S	4	o	28.97	0.0	27	+18	S	2	b	*	0.28	32	7	Squalls. 8.						
Wisby ...	29.43	32	W	2	o	29.19	+0.4	37	+9	WNW	6	o	*	0.16	37	28	Malin Head. 7 a.m.-11 p.m.						
Karlstad ...	29.55	35	SSE	2	o	29.33	+0.6	38	+7	WSW	6	b	*	0.28	39	30	Extreme. 4.9.						
Færder (X'iania Fjord)	29.34	34	SW	6	S	29.28	+0.6	39	+7	W	6	b	*	0.04	41	30	Blacksod Point. 7 a.m.-8 p.m.						
Bodö ...	29.28	35	S	6	f	29.39	+0.7	38	+4	WSW	6	b	4	-	38	34	Extreme. SSW 8.						
Christiansund	28.96	31	E	4	o	28.73	-0.5	25	-2	E	4	b	2	-	32	19	Aberdeen. 4 p.m.						
Skudesnaes ..	28.89	41	SW	6	o	28.96	+0.4	40	0	N	9	o	5	0.43	41	34	Squall 43 m.p.h. (SW 8)						
The Scaw (Skagen)...	29.27	43	S	8	c	29.47	+0.2	42	+4	W	8	b	5	0.28	43	36							
Blaavands Huk ...	29.42	41	W	6	m	29.54	+0.4	39	+5	WNW	8	m	3	0.04	41	34							
Cuxhaven ...	29.66	40	W	4	r	29.77	+0.5	40	+4	W	5	m	3	0.08	41	34							
The Helder ...	29.85	42	W	6	o	30.00	+0.4	44	+7	W	6	og	*	0.12	45	37							
Brussels ...	29.96	45	SW	5	b	30.13	+0.5	45	+1	SSW	6	o	4	trac	46	44							
Berlin ...	30.20	50	SW	5	o	30.33	+0.5	48	+2	WSW	5	o	*	trac	50	46							
Frankfurt ...																							
Munich ...	30.24	50	SW	6	o	30.37	+0.6	48		SW	4	o	*	0.04	50	43							
C. Gris Nez...	30.36	42	W	6	c	30.47	+0.2	42	+5	W	5	c	*	trac	43	37							
La Hève ...																							
Brest (St. Mathieu) ...	30.18	49	WSW	7	o	30.28	+0.3	49	+2	SW	6	o	6	-	50	47							
Lorient (Bec Melen)...	30.28	45	W	4	o	30.41	*	47	+4	WSW	4	o	5	-	50	43							
Rochefort (Ile d' Aix)	30.41	51	WSW	4	o	30.45	+0.1	50	0	SW	3	o	3	-	54	48							
Biarritz ...																							
Paris ...	30.53	51	WSW	3	o	30.53	*	49	-1	S	3	o	*	trac	54	48							
Belfort ...	30.53	52	WSW	3	o	30.47	*	48	-4	E	2	o	5	0.04	54	46							
Lyons ...																							
Nice ...	30.39	50	SSW	3	o	30.48	+0.3	47	0	SSW	3	o	*	-	53	46							
Perpignan ...																							
Sanguinaire ...	30.57	46	WNW	1	o	30.61	*	42	+4	E	1	bc	*	-	49	38							
Corunna (S.a.m.) ...	30.32	48	-	0	b	30.45	+0.3	45	+3	-	0	b	1	-	52	41							
Lisbon (S.a.m.) ...	30.49	53	NW	3	b	30.49	+0.1	49	0	NW	2	b	3	-	59	46							
Gibraltar ...	30.36	50	W	2	m	30.43	*	49	+1	SSE	3	m	3	-	55	43							
Azores (P. Delgada)																							
Azores (Horta) ...	30.55	54	SSW	3	o	30.43	0.0	43	-9	SSE	2	b	6	-	55	37							
Madeira (Funchal) ...	30.41	50	NNE	4	b	30.35	+0.7	43	-1	NNE	3	b	5	-	57	43							
	30.38	56	E	7	bc	30.30	*	56	-1	E	7	o	3	-	58	56							
	30.21	59	SSW	5	o	30.06	-0.1	52	-5	SW	4	blr	2	0.35	59	52							
	30.19	59	SE	5	bc	30.11	0.0	59	0	SE	5	o	5	-	61	48							

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



GENERAL INFERENCE

WEATHER PROSPECTS.

There are no indications at present of the approach of any large and deep depression from the Atlantic, but the pressure distribution

continues favourable for the passage of small secondary disturbances over the United Kingdom.

FORECASTS FOR THE 24 HOURS NOON TUESDAY

TO NOON WEDNESDAY

- 0 {
a Wind between W. and S.W.,
b moderate or fresh, strong at times
- 1 {
a locally; changeable, some showers;
b mild.
- 2 {
a
b Wind between W. and S.W.,
- 3 {
a moderate or fresh, strong locally;
b
- 4 {
a cloudy or overcast, brighter intervals;
b temperature continuing above the
- 5 {
a normal.
b

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

South Cone hoisted yesterday morning.

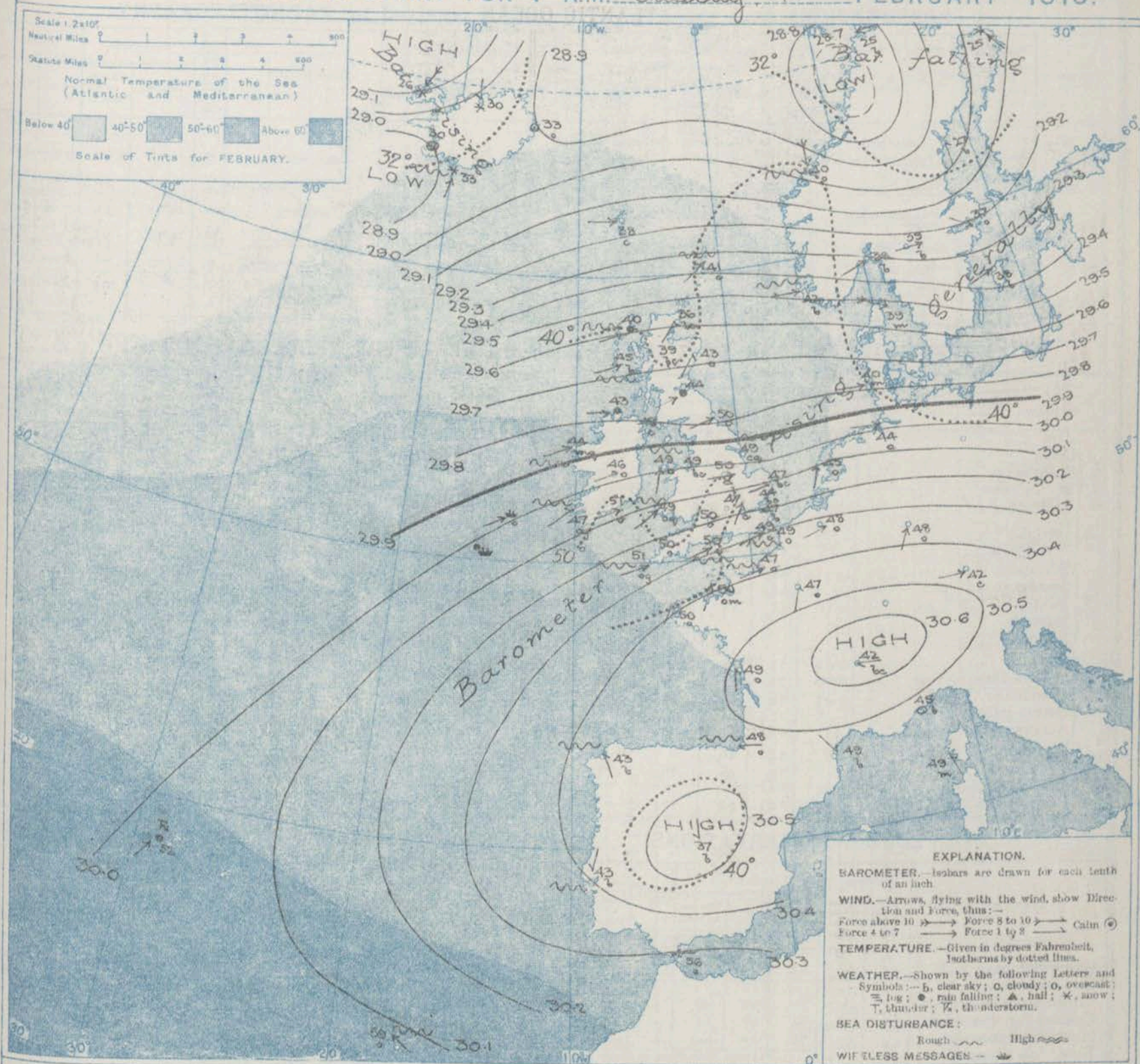
- 6 {
a Same as Nos 0 & 1.
b
- 7 {
a
b
- 8 {
a Same as Nos. 3 to 5.
b
- 9 {
a
b Same as Nos. 0 & 1.
- 10 {
a
b

11 WESTERN CHANNEL AND BAY.

W. and S.W. winds, moderate to fresh or strong; sea moderate or rather rough; cloudy, fairer at times, some mist

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. Tuesday 4th FEBRUARY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure is above 30.6 in. in a large anticyclone centred near Lyons and covering France, Spain, the Bay of Biscay and South Germany, while in a depression centred over the northwest of Norway it is below 28.8 in., and in another off the southwest of Ireland below 28.9 in.

The main current of wind over these islands and the North Sea is S.W. to S.E. At many stations on our western and southwestern coasts it is strong or high, while on the eastern shores of the

North Sea it is strong to a gale. At Christiansund a S.E. gale is reported, and on the northwest coast of Iceland there is a S.E. gale. Temperature continues much above the normal over these islands and western and northwestern Europe generally. Over a large area in England, Ireland and France the readings are 50° or very little below, in most parts of Scotland and also in the southwest of Norway above 40°. Rain is falling at a few of our northern and northwestern stations, and snow in Iceland and the north of Sweden, and except in some parts of the Spanish Peninsula and France the sky is mostly cloudy or overcast. At Horta a thunderstorm is in progress.

DAILY WEATHER REPORT.

Tuesday, 4th February, 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 Jan. 51 14	50 15		Haverford	O	30.52	+0.2	WSW	(0-12) 4-5	0	3rd Jan. 48 26			Campania	H	29.65	+0.3	WNW	8-9	0
" 3rd, 6 p.m.	49 24		Mauretania	O	29.77	+0.14	WSW	8-9	0	" 51 21			Corsican	O	29.61	-0.13	WSW	8-9	0
" 49 18			Minnewaska	O	29.91	-0.02	SW	8-9	0	" 50 20			Thorfort	O	29.71	-0.07	SW	8-9	0
" 49 14			Zeeland	O	30.04	-0.02	WSW	6-7	0	" 50 17			Mauretania	O	29.72	-0.06	W	8-9	0
" 51 12			Haverford	O	29.93	+0.03	SW	6-7	0	" 49 15			Minnewaska	O	30.01	-0.05	WSW	6-7	0
" 55 10			Tunisian	H	?	+0.05	WSW	6-7	0	" 55 14			Tunisian	H	?	0.0	SW	8-9	0
" 3rd, 6 p.m. 49 21			Campania	H	29.70	+0.1	SW	6-7	0										

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

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.	
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.
Scotland.	Oban ...	In.	.	.			Hr.	Margate ...	In.	.	.	.	.
	Stonehaven ...						0.3	Ramsgate ...	0.09	52	41	.	.	
	St. Andrews ...		51	36				Deal ...	0.14	50	40	*	*	
	Carnoustie ...							Folkestone ...		51	43	b.c.c.	ou	
Engl. N.E.	Harrogate ...	0.06	49	39	op	op.	0.0	Littlestone ...	*	*	*	*	.	
	Scarborough ...		51	37	o	o	0.0	Hastings ...	0.01	51	45	b.c.b.c.	o.	
England, N.W.	Blackpool ...		48	44	og	og	0.0	Bexhill-on-Sea ...		51	45	og	og	
	Southport ...		48	44	o.c.o	o	0.0	Eastbourne ...		50	47	b.c.og	oge	
	Buxton ...	0.11	48	37	ct.	ct.	0.0	Seaford ...		50	45	o.b.c.	o.	
	Matlock ...							Brighton ...		49	42	o	o	
Wales.	Douglas ...							Worthing ...		50	46	o	o	
	Rhyl ...	0.02	53	39			0.0	Littlehampton ...	*	*	*	*	.	
	Colwyn Bay ...	0.03	53	46	c.b.c	b.c.	0.0	Bognor ...		51	42	o	o	
	Llandudno ...	0.08	50	46	op.	c.	0.0	Southsea ...		52	42	o.c	c.o	
England, E.	Bettws-y-Coed ...							Bournemouth ...		52	40	b.c.o	o	
	Aberystwyth ...		49	40	o.c.o	o.c.	0.0	Weymouth... ..		52	49	c	c	
	Lowestoft ...		52	39	o	o.c.o	0.0	Teignmouth ...		52	49	o	o	
	Felixstowe ...		52	36	og	og	0.0	Torquay ...	0.01	52	49	o	o	
England, S.W.	Walton-on-Naze ...		51	47	o	og	0.0	Paignton ...		52	41	c	c	
	Southend-on-Sea ...		50	38	o	o	0.0	Ilfracombe ...		51	48	og.o	o.	
								Weston-super-Mare ...		51	40	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.																			
Greenwich (Royal Obsy.) ...	%	%				In.				Hr.	Dublin to 4 p.m.	In.							
City (Bunhill Row) ...	80	70	52	47	41	-	c.o	o.b.c.	c.o.	0.4	Plymouth to 9 p.m.	-	51	49	46	og	og	b.c.	
Westminster (St. James's Pk.)	83	76	53	48	43	-	b.c	c	b.c.	0.0	Darwen "	0.05	49	41	38	ou	t	of.	
Camden Sq. (Brit. Rainfall)	79	73	53	46	39	-	o	o.c	o.	0.0	Manchester "								
Hampstead (Reservoir) ...	*	74	50	40	40	-	o.c.	b.c.	em.	0.1	Birmingham "	-	49	43	36	o	c	c	
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.									Oxford to 8 p.m.	*	52	44	39	b.c.o.	og	og
			Total.		Average Rate.		Max. Rate.				S. Kensington (Museum Grounds to 6 p.m.)	trace	53	44	36	b.c.o	o.og	o.p.o	
S. Kensington (Roof of M.O.)	76	70	124 Joules.		4.1 Milliwatts.		17 Milliwatts.			0.0									

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

4th & 5th Feb., 1913.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 7.33 7.31	G.M.T. 12.7 12.7	G.M.T. 4.41 4.43
Greenwich ...	7.36 7.34	12.14 12.14	4.52 4.54
Wick ...	8.15 8.12	12.26 12.26	4.37 4.40
Valencia ...	8.19 8.17	12.55 12.55	5.31 5.33

During yesterday the thermometer rose to above 50° in nearly all parts of the United Kingdom, and the readings of the night were very high for the time of the year. Showers have been experienced in the west and north of the Kingdom, and also at a few stations elsewhere. Light was observed at Stornoway and Lerwick. The Westerly and South-Westerly winds attained the force of gale on some exposed parts of our north-western and north-eastern coasts. According to wireless reports strong winds or gales from between west and south-west have prevailed as far west as the 26th meridian.

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

Wednesday

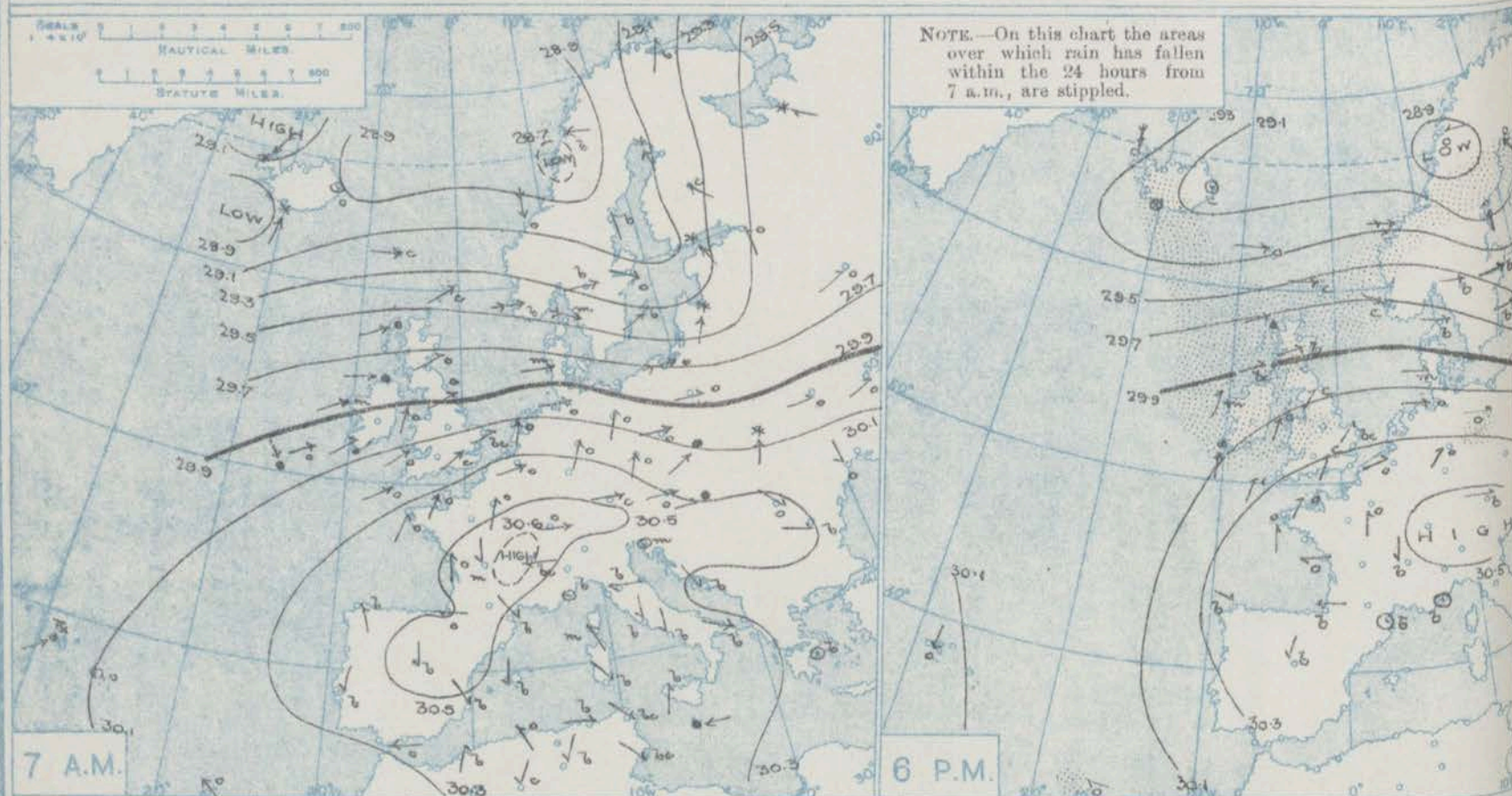
5th February, 1913.

STATIONS.	YESTERDAY EVENING.						THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shine for Yester- day.	
	BAROM.		TEMP.		WIND.	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.						
	At 32° Fahr. and M.S.L., Lat. 46°.	Dry Bulb.	Direc.	Force (0 to 12).			At 32° Fahr. and M.S.L., Lat. 46°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						Direc.	Force (0 to 12).	Weather.	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.		Night 6 p.m. to 7 a.m.
BRITISH ISLANDS.	Lerwick	In.					In.	In.							In.						Hours			
	29.55	40	W	7	e	29.64	-0.1	37	-4	SW	3	0	4	0.19	42	36	bchq	cpq	cpq	1.5				
	Stornoway	29.76	39	WSW	6	bchq	29.68	-0.7	38	-2	SW	2	0	2	0.11	43	36	cbchq	bchq	bc om	0.5			
	Castlebay (Barra Isd.)	29.07	42	W	5	op	29.68	-0.9	37	-8	E	1	0	3	0.07	45	36	b.h.p.	b.p.	p. of	0.5			
	Malin Head	29.97	44	WSW	4	bc	29.60	-1.3	44	+1	SW	5	0	5	0.29	46	39	bc	bc	omr.	*			
	Blacksod Point	29.99	46	SSW	3	m	29.58	-1.2	49	+5	SSW	7	0	4	0.20	49	39	omq	om	omq	*			
	Valencia	30.03	50	S	4	ep	29.73	-0.8	50	+3	SSE	5	0	5	0.10	51	46	ew	ew	omr.	0.1			
	Roche's Point	30.12	49	SW	3	omd	29.85		49	-2	SW	5	0	5	0.19	51	48	omd	omd	ocp	*			
	Birr Castle	30.01	46	SW	1	c	29.76		48	+2	S	6	0	6	0.05	50	44	cp	c	c	0.5			
	Donaghadee	30.07	43	SSW	1	og	29.79	-0.9	46	-2	SSW	3	0	2	trace	50	43	bcp	cg	og h g	*			
	Liverpool Obsy.	30.15	47	WSW	2	0	29.98	-0.8	45	-4	S	3	0	3	0.04	51	43	og	op	oc	0.0			
	Holyhead	30.12	48	SSW	4	0	29.91	-0.4	46	-3	SW	5	0	4	0.24	50	44	omr	om	cp	0.0			
	Pembroke (St. Ann's Hd.)	30.18	49	SW	5	c	29.98	-0.5	47	-2	S	5	0	5	0.05	52	46	ogm	om	ogm	0.0			
	Newquay	30.31	49	WSW	3	c	30.02	-0.5	48	-2	S	4	0	4	-	54	47	b	bc c.	c	4.0			
	Scilly (St. Mary's)	30.26	50	SSW	3	cm	30.02	-0.5	50	-1	S	4	0	4	-	51	47	cm	cm	om	0.8			
	Jersey (St. Aubin)	30.39	50	SW	3	og	30.18		48	-2	S	4	0	4	trace	52	47	ogm	ogm	om	0.0			
	Portland Bill	30.30	50	WSW	4	c	30.11	-0.4	49	-1	SW	3	0	4	-	51	48	bc	c	bc c.	*			
	Dungeness	30.30	48	SW	3	c	30.16	-0.3	48	-1	SSW	3	0	4	-	51	46	c. c.	c	c. c.	*			
	Dover	30.32	47	W	4	b	30.19		47	0	SSW	3	0	2	trace	51	40	bc c.	bc c.	bc c.	0.9			
	Wick	29.75	39	SW	3	bc	29.69	-0.7	39	+3	SW	3	0	3	0.04	42	34	bcp	bcq	bcq om	*			
Nairn	29.82	39	W	2	c	29.71		36	-3	-	0	0	1	0.14	42	33	q. r.	pc.	bc r	0.9				
Aberdeen	29.86	42	WSW	4	b	29.71	-1.0	38	-5	-	0	0	2	0.14	47	38	bc b.	bc q.	bc q. r.	2.0				
Leith	29.97	43	SW	4	b	29.72	-0.8	48	+4	SW	4	0	4	0.04	49	41	od c.	c. bc b.	bc	*				
North Shields	30.04	47	SW	3	cg	29.88	-0.4	47	-3	SW	3	0	2	-	52	40	c	o	c	3.7				
Spurn Head	30.13	47	SW	4	0	30.02	-1.0	42	-7	S	4	0	4	0.03	50	41	c. y.	c. o.	cp bc	*				
Yarmouth	30.21	50	WSW	2	bc	30.16	-0.3	45	-2	SSW	2	0	2	-	53	44	bc	bc.	b. bc o	2.9				
Clacton-on-Sea	30.25	45	WSW	2	c	30.16	-0.2	44	0	WSW	2	0	2	-	52	43	bc	bc c.	c. bc q.	1.9				
Nottingham	30.16	49	WSW	5	c	30.03		45	-5	S	4	0	4	0.01	54	44	c. o.	ocp	cp b.	0.0				
Bath	30.27	52	W	4	0	30.11		48	-2	SSW	2	0	4	-	55	47	-	-	-	0.5				
London (Kew Obsy.)	30.30	50	SSW	3	c	30.15	-0.4	46	-1	SSW	2	0	4	-	53	45	c. bc	bc c.	bc bc q.	0.8				
ICELAND & FAEROE.	Isafjord	29.31	24	N	8	0																		
	Reykjavik	29.05	31	-	0	0	29.06	0.0	28	-2	E	7	b.											
	Vestmanna	29.11	32	-	0	5	29.15	0.0	34	+1	E	5	bc.	0										
	Seydisfjord	29.07	33	-	0	c	29.23	+0.1	27	-6	-	0	c											
	Thorshavn	29.28	36	W	6	0	29.35	-0.5	38	0	SW	5	c											
SCANDINAVIA.	Haparanda	28.95	23	SSE	4	0	29.00	+2.0	24	-1	SE	4	0		0.06	25	19							
	Hernösand	29.02	36	S	6	0	29.26	+0.8	34	+7	?	2	0		-	37	27							
	Stockholm	29.39	37	W	6	0	29.58	+0.4	35	-2	W	6	0		-	43	34							
	Wisby	29.58	38	W	6	0	29.75	+0.5	37	-1	W	6	0		-	41	36							
	Karlstad	29.58	37	W	4	0	29.69	+0.4	37	-2	W	6	0		-	43	34							
	Færder (X'ania Fjord)	29.63	36	WSW	5	0	29.73	+0.3	36	-2	WSW	6	0		-	38	36							
	Bodö	28.86	29	E	2	0	29.02	+0.5	28	+3	E	2	0		?	29	23							
	Christiansund	29.29	39	W	9	c	29.40	+0.6	35	-5	W	9	0		0.43	41	32							
	Skudesnaes	29.73	42	WSW	6	c	29.81	0.0	41	-1	W	4	0		0.12	42	36							
	The Scaw (Skagen)	29.79	38	W	6	b	?	+0.1	38	-1	W	5	bc		-	41	36							
Blaavands Huk	30.02	38	W	3	m	30.06	0.0	36	-4	WSW	3	0		-	41	34								
GERMANY, &c.	Cuxhaven	30.15	44	W	5	0	30.16	0.0	43	-1	SW	2	0		-	45	41							
	The Helder	30.23	46	SW	5	0	30.18	-0.2	44	-1	SSW	4	0		-	46	43							
	Brussels	30.37	48	WSW	2	0	30.25	-0.4	45	-3	SSE	1	0		trace	50	43							
	Berlin	30.19	47	W	3	0	30.24	+0.1	45	-3	W	2	0		0.04	48	45							
	Frankfurt	30.42	47	SW	1	0	30.35	-0.3	43	-5	SW	1	0		-	50	43							
Munich	30.53	37	W	2	b	30.44	-0.3	34	-8	SSE	2	0		-	46	34								
FRANCE.	C. Gris Nez	30.32	47	SW	5	bc	30.21	-0.3	46	-3	SSW	4	0		-	50	45							
	La Hève	30.39	46	WSW	4	0	30.26		46	-1	S	2	0		-	52	43							
	Brest (St. Mathieu)	30.37	50	S	3	0	30.14	-0.8	49	-1	SSE	3	0		-	50	48							
	Lorient (Bec Melen)	30.33	49	SE	3	0	?		46	-4	ESE	3	bc		-	54	41							
	Rochefort (Ile d' Aix)	30.39	51	E	3	0	30.13		41	-8	ESE	3	b		-	55	41							
	Biarritz	30.31	51	E	4	b	30.13		45	-3	ESE	3	b		-	57	39							
	Paris	30.45	49	S	2	0	30.25	-0.6	45	-2	SE	2	bc		-	51	45							
SPAIN, PORTUGAL, &c.	Belfort	30.52	44	-	0	0	30.34		36	-7	ENE	4	b		-	46	34							
	Lyons	30.49	46	N	1	0	30.36		32	-10	-	0	b		-	54	30							
	Nice	30.44	46	-	0	0	30.40	-0.2	40	-5	-	0	b		-	55	37							
	Perpignan	30.39	48	-	0	0	30.26	-0.4	40	-9	SW	1	bc		-	61	39							
	Sanguinaire	30.45	51	SE	1	m	30.39		49	0	SE	2	m		-	57	45							
	Corunna (8 a.m.)	30.34	54	WSW	1	b	30.15	0.0	45	+2	S	1	b		-	55	39							
	Lisbon (9 a.m.)																							
Gibraltar																								
Azores (P. Delgada)																								
Azores (Horta)	30.15	51	NNE	3	0	30.10	-0.2	45	-7	W	3	b		-	59	45								
Madeira (Funchal)	30.04	58	ESE	2	0	29.98	+0.2	57	-2	ESE	2	r		-	61	48								

* Information for these columns not usually received.

† Received too late for insertion in Charts.

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 4th FEBRUARY.



GENERAL INFERENCE

WEATHER PROSPECTS.

A new disturbance approaching the Irish coasts will occasion a Southerly type of less

settled weather over the country generally, with a decided increase of wind on the western coasts.

FORECASTS FOR THE 24 HOURS NOON Wednesday TO NOON Thursday.

0 { a
b

1

2 { a
b

3 cloudy to dull, some rain; mild.

4 { a
b

5

FORECAST DISTRICTS.



STORM WARNINGS.

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

Signals hoisted yesterday.

South Coast.

North Coast.

Signals hoisted this morning.

South Coast.

North Coast.

South Coast hoisted this morning at 8.10 in Districts 6, 7, 8, 9 and 10.

6 { a
b

7 { a
b

8 { a
b

9 { a
b

10 { a
b

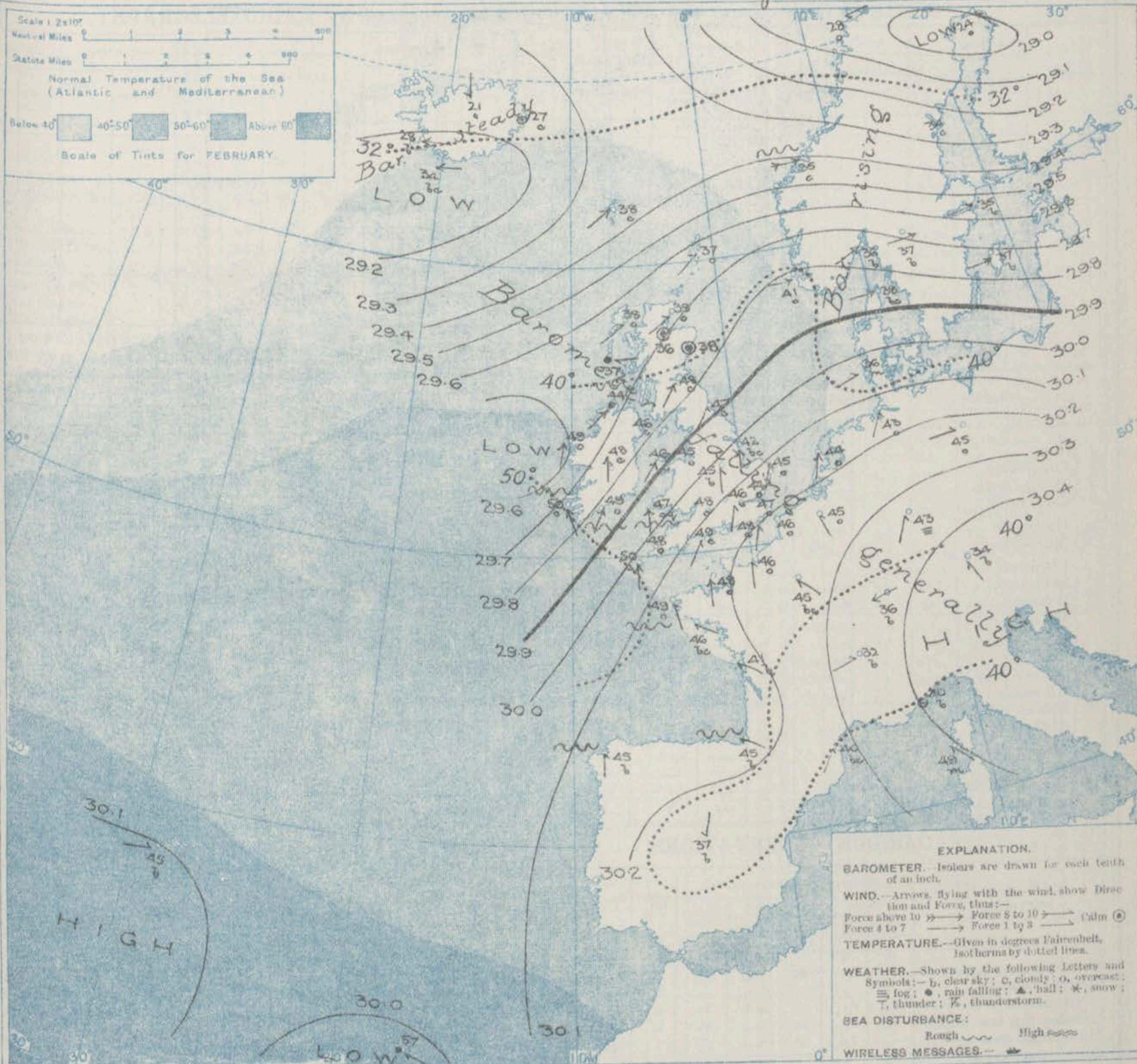
11 WESTERN CHANNEL AND BAY.

Freshening Southerly and South-westerly winds, strong at times; sea slight to rough; squally, changeable, some rain, local mist or fog; mild.

THE FURTHER OUTLOOK (All districts).

Conditions remaining unsettled.

SYNOPTIC CHART FOR 7 A.M. Wednesday, 5th FEBRUARY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure is above 30.4 in. over the Alpine region. It is at 29 in. in a depression over Northern Scandinavia, nearly as low in another off the south of Iceland, and below 29.6 in. in a new depression which is approaching the Irish coast. The barometer is falling generally, and the pressure gradient is increasing.

S. to S.W. winds prevail over nearly the whole area under observation, light to moderate in force in most places, but strong or high locally

in Ireland and in Southern Scandinavia, a strong gale at Christiansund. At the home stations temperature ranges from 36° at Kain to 49° or 50° on the southwestern coasts; on the Continent from 32° at Lyons to 49° at Brest; in Scandinavia from 24° at Haparanda to 41° at Skudesnaes; and in Iceland from 21° to 34°. Fine weather prevails over southwestern and southern Europe and Southern Sweden, but over the rest of our area the sky is mostly very cloudy to overcast, dull or gloomy. Rain is falling only at some of our own northern stations.

DAILY WEATHER REPORT.

Wednesday, 5th February, 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

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

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

STATIONS.		Rainfall. In.	TEMPERATURE.		WEATHER.		Sun- shine (to 6 p.m.) Hr.		STATIONS.		Rainfall. In.	TEMPERATURE.		WEATHER.		Sun- shine (to 6 p.m.) Hr.
			Max.	Min.	Forenoon.	Afternoon.						Max.	Min.	Forenoon.	Afternoon.	
Scotland.	Oban ...								Margate ...			54	46	c.b.c.	c.b.c.	1.6
	Stonehaven ...								Ramsgate ...			53	45	*	*	1.7
	St. Andrews ...								Deal ...			53	46	c	bc.	1.1
	Carnoustie ...								Folkestone ...			50	46	o.c.b.c.	c.o.	0.4
Eng. N.E.	Harrogate ...	0.01	49	44	c.b.c.	c.b.c.	0.8		Littlestone ...			51	47	*	*	0.0
	Scarborough ...		53	47			1.6		Hastings ...			51	47	o	bc.o	0.0
England, N.W.	Blackpool ...		48	45	o	o.b.c.	0.0		Bexhill-on-Sea ...			51	48	g	bc.g	0.0
	Southport ...	0.04	49	46	ot	o.b.c.o.c.	0.0		Eastbourne ...			52	49	o.b.c.	bc.o	0.5
	Buxton ...	0.19	47	45	c	c.f.	0.0		Seaford ...			50	47	c.b.c.	o.	0.2
	Matlock ...								Brighton ...			50	48	o.c.	c.o.	1.5
Wales.	Douglas ...								Worthing ...			51	47	c	c	1.2
	Rhyl ...	0.02	53	47			0.1		Littlehampton ...					*	*	
	Colwyn Bay ...	0.03	53	48	bc.	bc.o.c.	0.3		Bognor ...							
	Llandudno ...	0.01	50	46	o	o.c.b.	1.1		Southsea ...			54	49	c.b.c.	bc.o	0.8
England, E.	Bettws-y-Coed ...								Bournemouth ...			53	49	o.c.	c.o.	0.3
	Aberystwyth ...		49	47	o.c.o.	o.c.o.	0.0		Weymouth ...			54	44	o.b.c.	bc.c.	0.7
	Lowestoft ...		53	44	bc.b.	b.b.c.	2.4		Teignmouth ...			55	49	c.b.c.	bc.	3.7
	Felixstowe ...		52	44	cm.	bc.	1.1		Torquay ...			54	48	c.b.c.	bc.	1.5
England, S.W.	Walton-on-Naze ...		52	44	bc.b.	b.b.c.	1.6		Paignton ...			55	48	c.b.c.	bc.	0.1
	Southend-on-Sea ...		52	44	b	b	5.0		Ilfracombe ...			52	50	o	o	0.6
									Weston-super-Mare ...			52	47	bc.b.	bc.	0.6

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain- fall.	WEATHER.			Sun- shine for Yester- day.	STATIONS.	RAIN- FALL.	TEMPERATURE.		WEATHER.			Sun- shine for Yester- day.									
	3 p.m. Yester- day.	9 a.m. To- day.	In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.				In Screen.	Night Min. on Grass.	Night.	Fore- noon.	After- noon.										
			Max.	Min.		Max.						Min.															
			24 HOURS ENDED 9 A.M. TO-DAY.																								
			%	%								In.										Hr.	In.				Hr.
Greenwich (Royal Obs.) ...	69	91	55	44	35	-	bc.c.	c.o	0	1.3	Dublin to 4 p.m.	0.03	51	46	44	g.p	c.b.	bc.	2.2								
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	1.2	Plymouth to 9 p.m.	-	55	48	46	og.	c.b.g.	bc.o	0.0								
Westminster (St. James's Pk.)	77	91	55	46	38	-	bc	bc	0	1.3	Darwen "	0.48	48	42	44	ow.	r.c.	bc.	0.0								
Camden Sq. (Brit. Rainfall)	72	87	55	44	36	-	c.b.c.	bc.c.	b.	1.7	Manchester "																
Hampstead (Reservoir) ...	*	88	53	44	36	-	bc	bc	c.p.o.	1.4	Birmingham "	0.01	51	46	41	o	o	o.c.b.	0.0								
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.									Oxford to 8 p.m.	*	54	47	42	c.g.o.	o.c.	c.b.c.								
			Total.		Average Rate.		Max. Rate.		0.2	S. Kensington (Museum Grounds to 6 p.m.)																	
			Joules.		Milliwatts.		Milliwatts.																				
S. Kensington (Roof of M.O.)	68	86											54	48	40	o.c.	bc.c.	c.o.c.									

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

NOTES ON YESTERDAY'S WEATHER.

5th Feb., 1913.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.31	12.7	4.43
Greenwich ...	7.29	12.7	4.45
Wick ...	7.34	12.14	4.54
Valencia ...	7.33	12.14	4.55
	8.12	12.26	4.40
	8.10	12.26	4.42
	8.17	12.55	5.33
	8.15	12.55	5.35

During yesterday temperature passed 50° in nearly all parts of this country, and touched 55° at Bath, Paignton and Teignmouth. Rain has fallen in the north and west, but no large amounts are reported. Bright sunshine was rather variable. Southend had 5 hours, Newquay 4 hours, while neighbouring stations had little or none.

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

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

12.25.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

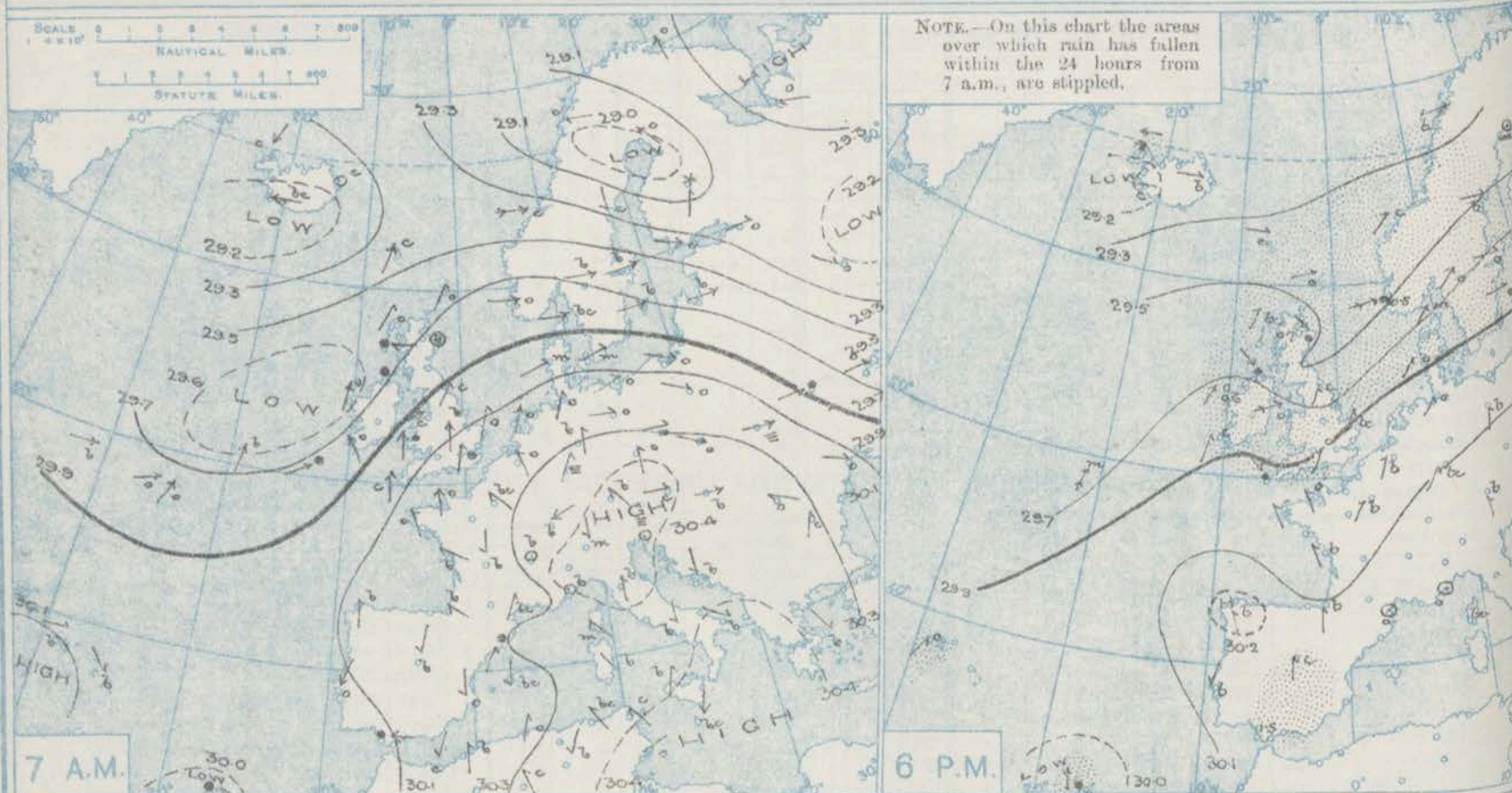
Thursday
6th February, 1913.

STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										LAST 24 HOURS.					Sun- shine for Yester- day.			
	BAROM.		TEMP.		WIND.	Weather.	BAROMETER.		TEMP.		WIND.	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.							
	At 32° Fahr. and M.S.L. Lat. 45°.		Dry Bulb.				At 32° Fahr. and M.S.L. Lat. 45°.		Change since 4 a.m.						Max.		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.			Force (0 to 12).			In.																	
Lerwick ...	29.45		27	WSW	1	o	29.53	-0.1	40	+3	SSW	3	bc	1	0.14	40	34	op	omp	bcw				
Stornoway ...	29.59		27	SW	2	bcpm	29.40	-0.8	42	+4	SSW	7	o	6	0.02	43	33	odp	bcpm	bcw	0.2			
Castlebay (Barra Isd.) ...	29.64		40	WNW	2	b	29.38	-1.3	43	+6	SSE	7	r	6	0.24	44	33	rs	d.ob	b. of.	0.4			
Malin Head ...	29.68		40	NW	5	cpq	29.36	-1.3	40	-4	SW	6	cmgpo	5	0.07	45	37	omr.	ggmp	ggmp				
Blacksod Point ...	29.72		42	SW	4	o	29.30	-1.6	48	-1	S	9	rgj	6	0.01	49	46	omr.	omr.	omr.				
Valencia ...	29.84		43	SSW	1	c	29.49	-0.4	50	0	SSE	6	rmv	5	0.14	50	41	bcp	bcp	bcp	3.3			
Roche's Point ...	29.87		44	N	1	b	29.65		50	+1	SW	5	o	5	0.08	50	39	or.c	bc.b	b.o.				
Birr Castle ...	29.80		40	SW	2	c	29.54		46	-2	SSE	5	o		0.05	50	35	or.c	c	c.o.	1.9			
Donaghadee ...	29.65		40	NW	4	cpq	29.65	-0.8	43	-3	S	4	o	2	trace	48	35	cg	cg	bcw				
Liverpool Obsy. ...	29.69		44	SW	5	bc	29.85	-0.1	35	-10	SSE	3	o	3	0.01	50	35	ba	op	o	0.9			
Holyhead ...	29.71		43	WSW	8	o	29.74	-0.4	43	-3	SSW	6	c	5	0.11	49	40	omp	org	c				
Pembroke (St. Ann's Hd.) ...	29.86		46	WNW	4	bc	29.80	-0.4	46	-1	S	5	cgj	5	0.09	50	44	org	cg	bc	0.2			
Newquay ...	29.90		47	W	4	or	29.89	-0.0	48	0	S	2	c	4	0.04	51	39	c	bc.cw	bc.	0.9			
Scilly (St. Mary's) ...	29.91		47	WNW	2	cp	29.88	-0.3	49	-1	SSW	5	cm	4	0.02	52	43	cm	cp	bc.	2.7			
Jersey (St. Aubin) ...	30.02		46	SSE	3	o	30.05		46	-2	SW	3	c	3		51	45	o.c	c.bc	cw	3.7			
Portland Bill ...	29.93		48	SSW	5	c	29.93		48	-1	SW	4	c	4	0.03	50	47	c	c	c.				
Dungeness ...	29.95		47	SSW	3	c	29.97	-0.1	48	0	S	3	o	3	0.03	48	46	c	c	bc. of.				
Dover ...	29.99		46	SW	4	c	30.02		46	-1	SW	3	o	3	0.02	47	39	o	o.c	c. of.	0.0			
Wick ...	29.51		33	SW	2	c	29.52	-0.9	39	0	SSE	4	c	4	0.21	39	31	omr.	os.cm	bcw				
Nairn ...	29.57		32		0	o	29.54		36	0	WSW	2	o	1	0.72	36	29	s	so	bc.o.	0.0			
Aberdeen ...	29.53		35	NW	4	r	29.68	-0.4	36	-2	SSW	2	o	2	0.18	48	31	or.tm	or.sq	os.co	0.0			
Leith ...	29.49		45	WSW	2	r	29.71	-0.1	39	-9	NE	1	c		0.05	50	35	o.c	or.	c.bc.				
North Shields ...	29.57		45	SSW	3	c	29.81	-0.1	36	-11	S	2	c	2	0.01	50	33	c	c	or.c	0.0			
Spurn Head ...	29.74		46	SSW	6	c	29.89	+0.1	38	-4	W	4	bc	3		49	36	cg	cg	bcw				
Yarmouth ...	29.92		46	SSW	3	bc	29.96	+0.6	36	-9	W	2	b	1	0.02	49	35	o.bcp	bc	b.	0.1			
Clacton-on-Sea ...	29.95		43	SSW	3	o	29.93	+0.2	38	-6	SW	1	bc	0		45	37	cg	og	ac.bc	0.0			
Nottingham ...	29.78		46	SW	6	b	29.92		33	-12	S	1	bc		trace	50	31	bc	c.b	bcp	3.4			
Bath ...	29.90		48	SW	6	c	29.95		35	-13	N	1	o		0.03	51	34				0.6			
London (Kew Obsy.) ...	29.93		47	SSW	3	o	29.98	-0.0	41	-5		0	om			49	39	o	o	o.o.	0.0			
Isafjord ...	29.23		29	E	4	s																		
Reykjavik ...	29.13		28	E	3	c	28.80	-2.0	30	+2	SE	6	c											
Vestmanna ...	29.21		23	E	1	bc	28.72	-2.1	33	-1	E	8		3										
Seydisfjord ...	29.25		26	W	3	b	29.23	-0.6	26	-1	N	2	o											
Thorshavn ...	29.36		33	W	3	c	29.23	-1.1	37	-1		0	r											
Haparanda ...	29.35		4		0	f	29.49	+0.3	10	-14	EHE	2	o		25	0								
Hernösand ...	29.54		32	W	2	b	29.35	-0.8	28	-6	NNW	4	s		0.08	37	27							
Stockholm ...	29.73		35	W	2	o	29.38	-1.2	37	+2	SSW	4	r		0.04	39	34							
Wisby ...	29.85		36	WSW	4	r	29.58	-0.8	38	+1	SW	4	o		trace	39	34							
Karlstad ...	29.67		35	SW	4	o	29.34	-0.6	38	+1	WSW	4	o		0.08	41	34							
Färder (X'laula Fjord) ...	29.61		36	SSW	6	f	29.50	+1.5	38	+2	W	4	b	4		38	36							
Bodö ...	29.26		27	EHE	2	c	29.23	+0.2	32	+4	E	2	o	1		32	25							
Christiansund ...	29.43		38	SW	2	c	29.45	+1.0	37	+2	SW	3	c	1	0.39	38	34							
Skudesnaes ...	29.48		42	WSW	8	r	29.73	+0.6	37	-4	NW	2	b	3	0.51	43	34							
The Scaw (Skagen) ...	29.72		41	SW	6	m	29.56	+0.3	38	0	WNW	6	m	2	trace	41	36							
Blaavands Huk ...	29.86		37	SW	3	o	29.76	+0.7	38	+2	WSW	3	o	2	trace	39	34							
Cuxhaven ...	29.98		44	SW	2	o	29.86	+0.1	40	-3	SW	4	o			45	40							
The Helder ...	29.96		44	SSW	4	o	29.94	+0.4	43	-1	WSW	3	c	3		45	43							
Brussels ...	30.05		40	SSW	1	b	30.06	+0.3	37	-8	SSW	1	b			47	37							
Berlin ...	30.07		40	S	1	b	29.98	+0.1	39	-6	SW	3	o			52	34							
Frankfurt ...	30.10		42	SW	1	bc	30.14	+0.4	37	-6		0				52	36							
Munich ...	30.22		34	SSE	2	b	30.22	+0.1	38	+4	SW	4	c			43	34							
C. Gris Nez ...	29.99		45	SSW	3	o	30.01	+0.2	46	0	S	4	o	3		48	45							
La Hève ...	30.03		46	S	2	c	30.06		41	-5	S	2	m	1		54	39							
Brest (St. Mathieu) ...	30.04		49	SSE	3	c	30.03	-0.1	50	+1	SSW	3	b	3		52	46							
Lorient (Bec Melon) ...																								
Rocheport (Ile d'Aix) ...	30.05		51	SSW	3	c	30.13		47	+6	S	2	c			55	41							
Biarritz ...	30.10		55	S	2	b	30.14		43	-2	ESE	3	b	5		59	41							
Paris ...	30.06		45	S	2	b	30.12	+0.4	42	-3	S	1	o			53	38							
Belfort ...	30.18		46		0	m	30.22		42	+6	W	3	o			52	39							
Lyons ...																								
Nice ...	30.32		46		0	o	30.25	-0.1	45	+5		0	r	1	trace	54	40							
Perpignan ...	30.17		50		0	o	30.19	+0.2	39	-1	SW	2	b			58	37							
Sanguinaire ...	30.27		51		2	bc	30.26		50	+1	S	3	o	3		57	43							
Corunna (8 a.m.) ...	30.24		55	SSE	1	b	30.12	-0.0	43	-2	SSW	8	bc	b		57	41							
Lisbon (9 a.m.) ...	30.11		51	NNE	3	bc	30.20	+0.4	47	-1	NNE	4	f	b		57	46							
Gibraltar ...	30.13		56	E	2	r	30.17		57		E	2	o	2	1.54	58	53							
Azores (P. Delgada) ...																								
Azores (Horta) ...	30.02		59	SW	1	o	29.97	-0.2	60	+15	SSW	4	o	2	0.04	60	45							
Madeira (Funchal) ...	29.94		59	S	4	r	30.06	+0.8	60	+3	S	4	o	4	trace	59	46							

* 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 FEBRUARY.



GENERAL INFERENCE

A deep depression on the upper Atlantic moving north-eastward will occasion boisterous conditions in the west and north-

WEATHER PROSPECTS.

east, but it is not expected that southern and eastern England will be affected to any notable extent.

FORECASTS FOR THE 24 HOURS NOON Thursday

TO NOON Friday.

0 {
a Increasing Southerly and South-
b Westerly winds, strong to a gale
at times in places; squally, changeable,
some rain; mild.

2 {
a Freshening breezes between
b West and South; fair to
3 dull, some rain locally,

4 {
a misty in places; temperatures
b rising.

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.

Water Code hoisted yesterday at 8.10 a.m. in Districts 6 to 10 and at 8.20 a.m. to day in Districts 0 & 1.

6 {
a
b

7 {
a
b

8 {
a
b

9 {
a
b

10 {
a
b

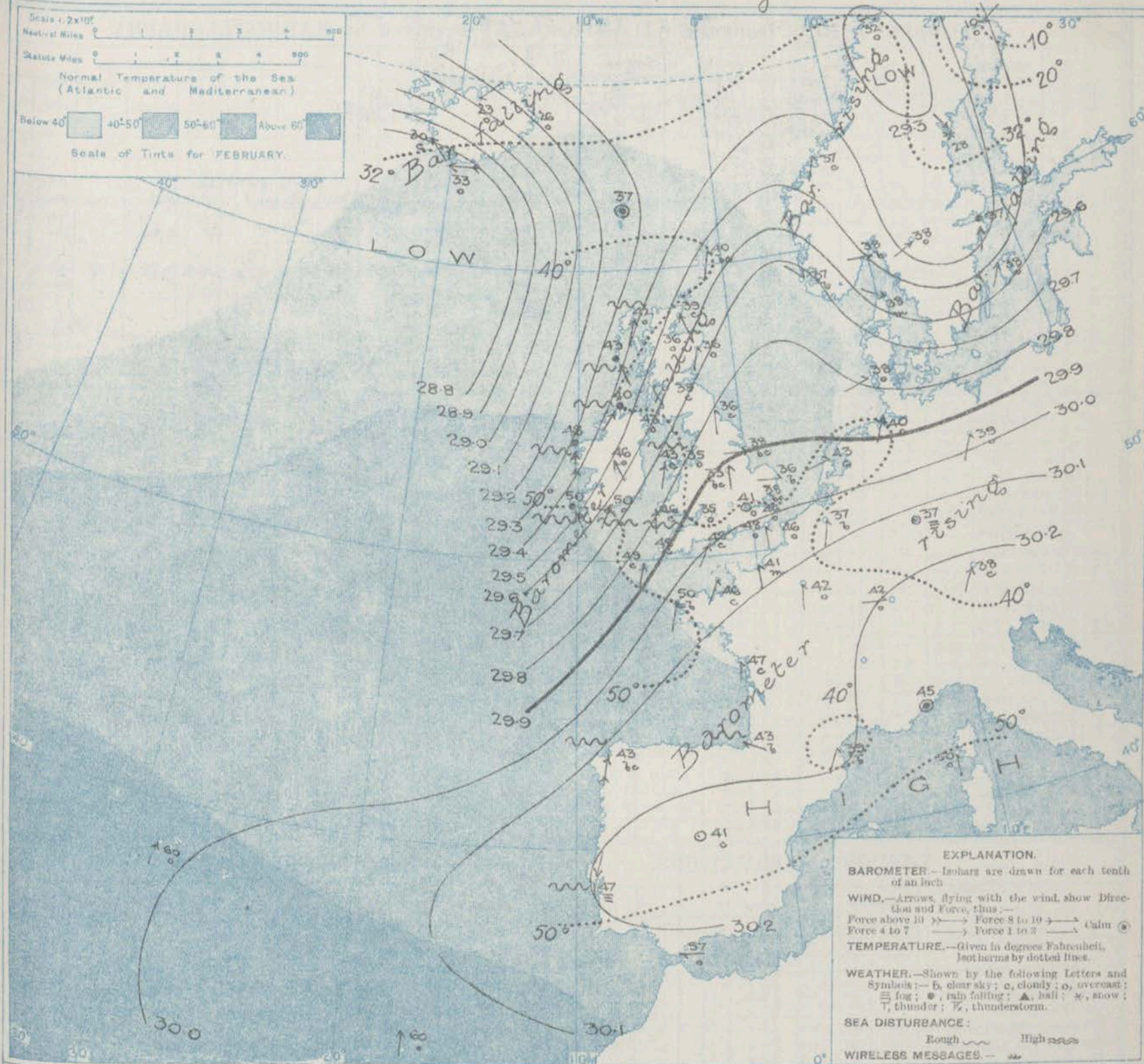
Same as Nos. 0 and 1.

11 WESTERN CHANNEL AND BAY.

Freshening South-Westerly and Southerly breezes; sea slight to rather rough; gusty, fair to dull, some rain and mist; mild.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. *Thursday, 6th* FEBRUARY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

In an anticyclone on the Continent the barometer is above 30.2 in. from Spain to Bavaria. In a depression over Northern Norway pressure is about 29.2 in., and in a very deep cyclonic system which is moving up the northern portion of the Atlantic the barometer has fallen below 28 $\frac{3}{4}$ in. off the south of Iceland. The gradient is steep across our western and northern districts and away to Iceland, moderate to very slight elsewhere.

Winds from between W. and S. prevail over the greater part of our area, as a rule light to

moderate in force, but strong or high on our western coasts, a gale off the northwest of Spain and the south of Iceland, a strong gale on the coast of Hango. Temperature ranges from 33° at Nottingham to 50° at Roches Point and Valencia; on the Continent from 37° at Brussels and Frankfurt to 50° at Brest; in Scandinavia from 10° at Haparanda to 38° across Southern Sweden, and in Iceland from 23° to 33°. The weather is fine in a few isolated situations, but generally the sky is very cloudy to overcast, dull or gloomy. Rain is falling on our western coasts, in the Færie, at Stockholm and Geric, snow at Hemsand.

Thursday, 6th February 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.	
	LAT. N.	LONG. W.			Reading.	Change in 3 hours.	Dirac.	Force.			LAT. N.	LONG. W.			Reading.	Change in 3 hours.	Dirac.	Force.
	.	.			In.	In.		(0-12).			.	.			In.	In.		(0-12).
5ch, 6pm	48	21	<u>Vaderland</u>	H	29.58	-02	SSW	8-9	m.	5ch, 7pm	47	24	<u>Vaderland</u>	H	29.86	-08	SW	6-7
" 7pm	48	30	<u>Victorian</u>	O	29.95	-03	W	6-7	b	" "	50	19	<u>Haverford</u>	O	29.59	-14	SSW	4-5
" "	47	25	<u>Zeeland</u>	O	29.78	-07	WSW	6-7	O	" "	50	12	<u>Lake Michigan</u>	H	29.79	+05	WSW	4-5

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 5 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.	
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.
Scotland.	Oban	0.67	46	34	1. oz	bc.	0.2	Margate	—	49	45	o.g	og	
	Stonehaven	—	—	—	—	—	—	Ramsgate	—	50	44	—	—	
	St. Andrews	0.05	49	38	o	op	0.0	Deal	—	48	45	o.c.	ou	
	Carnoustie	—	—	—	—	—	—	Folkestone	—	48	46	o	o	
Eng. N.E.	Harrogate	0.04	47	41	cp.bc.	cp	0.0	Littlestone	—	—	—	—	—	
	Scarborough	—	49	42	c.b	c.b.	0.5	Hastings	—	48	46	o	o	
England, N.W.	Blackpool	0.12	49	45	otq	otq	0.0	Bexhill-on-Sea	—	—	—	—	—	
	Southport	0.04	50	44	obcp.r	oqr. bc	0.0	Eastbourne	—	51	46	c.o	o.c.	
	Buxton	0.08	47	40	bc.o	o	0.3	Seaford	—	48	45	—	—	
	Matlock	—	—	—	—	—	—	Brighton	—	47	47	o	o	
	Douglas	—	—	—	—	—	—	Worthing	—	48	47	o	o	
Wales.	Rhyl	0.06	52	35	—	—	1.8	Littlehampton	—	—	—	—	—	
	Colwyn Bay	0.08	51	44	bcp	p.bcp.	0.3	Bognor	—	—	—	—	—	
	Llandudno	0.05	48	46	c.b.	c.b.	1.9	Southsea	—	49	47	o.c.b.	c.o.	
	Bettws-y-Coed	—	—	—	—	—	—	Bournemouth	—	49	47	o	o	
	Aberystwyth	0.08	49	46	o.c.o.	o.of.	0.0	Weymouth	—	50	48	o.c.	c.o.	
England, E.	Lowestoft	—	48	43	o.c.o.	o.c.o.	0.0	Teignmouth	—	50	47	c	c	
	Felixstowe	—	45	42	cm	o	0.0	Torquay	—	50	47	o	o	
	Walton-on-Naze	—	45	42	bc.o	o	0.0	Paignton	—	—	—	—	—	
	Southend-on-Sea	—	46	44	o	o	0.0	Ilfracombe	0.07	51	46	o.c.p.o.	c.op.	
	—	—	—	—	—	—	—	Weston-super-Mare	—	51	46	bc	d.b.c.	

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain-fall.	WEATHER.			Sun-shine for Yesterday.	STATIONS.	RAIN-FALL.	TEMPERATURE.			WEATHER.			
	p.m. Yesterday.	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 3 A.M. TO-DAY.																
Greenwich (Royal Obs.) ...	75	94	48	40	31	—	0	0.c.	0.0	0.0	Dublin to 4 p.m.	0.03	52	43	42	0.09	69.0	0.09	
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	0.0	0.0	Plymouth to 9 p.m.	0.03	50	47	45	0.09	0.0	0.0	
Westminster (St. James's Pk.)	80	95	49	40	35	—	0	0.c.	0.0	0.0	Darwen "	0.16	46	39	35	0.0	0.0	0.0	
Camden Sq. (Brit. Rainfall)	69	92	49	38	29	—	0	0.c.	0.0	0.0	Manchester "	0.07	48	43	37	0.0	0.0	0.0	
Hampstead (Reservoir) ...	*	93	46	38	28	—	0	0.c.	0.0	0.0	Birmingham "	0.03	49	42	38	0.0	0.0	0.0	
Kew. (See front page.)											Oxford to 8 p.m.	*	50	43	34	0.0	0.0	0.0	
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																			
			Total.		Average Rate.		Max. Rate.												
S. Kensington (Roof of M.O.)	72	92	108 joules.		3.1 Milliwatts.		8 Milliwatts.		0.0		S. Kensington (Museum Grounds to 6 p.m.)	—	52	46	37	0	0	0	

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

6th & 7th Dec., 1913.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	...	{ 7.39 7.27	{ 12.7 12.7	{ 4.45 4.47
Greenwich ...	...	{ 7.33 7.31	{ 12.14 12.14	{ 4.55 4.57
Wick ...	...	{ 8.10 8.8	{ 12.26 12.26	{ 4.42 4.44
Valencia ...	...	{ 8.15 8.13	{ 12.55 12.55	{ 5.35 5.37

During yesterday temperature rose to between 50° and 52° at a number of the home stations, but Harve did not exceed 36° , and Wick 39° . Slight night frost occurred locally in Britain. Rain has fallen in most localities, 0.6 in. in Mayo, 0.7 in. at Harve. Jersey reports $3\frac{1}{4}$ hours of bright sunshine, Valencia and Nottingham over 3 hours, but the great majority of stations had none. As far west as the 30th meridian ships experienced Southerly to Westerly winds, fresh or strong to a gale, with changeable weather, rain and mist 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; 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.

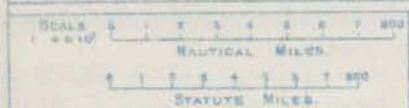
Friday,
7th February 1913.

STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Remarks for Yesterday.
		BAROM.		TEMP.	WIND.	Force (0 to 12).	Weather.	BAROMETER.		TEMP.	WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain-fall.	TEMP.		WEATHER.				
		At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Dirac.	At 32° Fahr. and M.S.L. Lat. 45°.			Change since 4 a.m.	Dry Bulb.	Change since Yesterday.	Dirac.					Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.		
		In.					In.	In.						In.					Hours.			
Lerwick ...		29.21	43	SE	8	o	29.31	+0.5	42	+2	S	8	cg	6	0.05	44	39	cg	omtg	cg	*	
Stornoway ...		29.12	44	SW	8	cpq	29.39	+0.7	41	-1	SW	6	bc	5	0.30	47	36	dpq	o-cp	bc	0.1	
Castlebay (Barra Isd.) ...		29.22	43	SW	6	bcup	29.46	+0.5	47	+4	SW	5	o	6	0.22	48	38	r-oe	rlhp	hpte	0.2	
Malin Head ...		29.32	43	WSW	6	cgq	29.56	+0.3	40	0	SSW	5	bcg	4	0.20	48	39	gg	cgq	bcq	*	
Blacksod Point ...		29.40	45	SW	9	m	29.55	-0.9	47	-1	SW	6	og	4	0.27	50	42	omq	omq	omq	*	
Valencia ...		29.66	47	SW	5	bc	29.42	-2.3	49	-1	SSE	6	r	5	0.40	52	43	mfc	bc	cmr	0.0	
Roche's Point ...		29.71	48	WSW	5	cpq	29.63	-	48	-2	SW	7	r	7	0.17	51	44	or	to-cp	hor	*	
Birr Castle ...		29.56	45	SW	3	c	29.62	-	45	-1	SE	4	o	*	0.17	52	39	cp	cp	o	0.4	
Donaghadee ...		29.50	46	SSW	4	cg	29.75	+0.8	42	-1	SSW	3	o	2	0.17	49	39	om	om	bc	*	
Liverpool Obsy. ...		29.66	47	S	2	r	29.90	+0.5	41	+6	S	3	c	3	0.06	50	35	og	dp	bc	0.1	
Holyhead ...		29.54	48	SSW	7	o	29.82	+0.1	46	+3	S	5	bc	4	0.12	49	43	om	dp	bc	*	
Pembroke (St. Ann's Hd.) ...		29.73	49	SW	6	c	29.85	-0.5	47	+1	S	5	ogm	5	0.17	50	46	cgq	cgq	cgq	0.0	
Newquay ...		29.85	51	SW	4	od	29.89	-0.6	48	0	S	5	o	4	0.05	52	43	e	cod	cpd	0.4	
Scilly (St. Mary's) ...		29.86	51	SW	4	cpm	29.90	-0.4	50	+1	S	5	om	4	0.02	52	46	om	amp	bc	0.0	
Jersey (St. Aubin) ...		30.07	51	SW	3	c	30.15	-	50	+4	S	4	om	3	-	53	45	bc	bc	bc	1.8	
Portland Bill ...		29.93	49	SW	5	c	30.03	0.0	49	+1	SW	4	o	4	0.02	51	48	e	c	0.0	*	
Dungeness ...		30.00	49	SW	4	bc	30.09	+0.3	49	+1	SW	5	o	5	-	50	47	c	c	c	*	
Dover ...		30.04	48	SW	4	bc	30.12	-	48	+2	SW	4	r	5	0.01	49	45	oc	bc	bc	0.7	
Wick ...		29.21	43	SSW	6	c	29.45	+0.8	37	-2	SSW	3	bc	4	0.01	43	36	omg	omg	bc	*	
Nairn ...		29.25	40	WSW	4	c	29.48	-	38	+2	W	3	bc	2	0.31	43	35	o.c	rg	qr	0.0	
Aberdeen ...		29.36	44	SSW	3	c	29.61	+1.0	38	+2	SSW	3	b	2	0.02	45	36	ogp	ogp	c.b	0.0	
Leith ...		29.47	46	SW	4	c	29.66	+0.7	42	+3	WSW	5	bc	*	0.03	51	38	c	bc	o	*	
North Shields ...		29.57	47	SSW	4	op	29.78	+0.2	41	+5	SW	3	c	2	0.09	48	33	c	or	or	0.0	
Spurn Head ...		29.73	47	S	6	c	29.92	+0.2	42	+4	SSW	6	bcq	5	0.01	47	36	e.o	cg	bcq	*	
Yarmouth ...		29.93	48	S	3	o	30.03	+0.5	43	+7	SW	3	b	3	-	50	35	bc	bc	bc	2.8	
Clacton-on-Sea ...		29.97	45	S	4	c	30.06	+0.5	44	+6	S	2	bc	2	-	47	37	bc	bc	bc	0.2	
Nottingham ...		29.78	50	SSW	5	c	29.96	-	42	+9	SW	4	b	*	0.03	51	32	bc	bc	bc	0.0	
Bath ...		29.89	51	SW	6	o	30.03	-	45	+10	SSW	2	o	*	0.03	51	35	-	-	-	0.3	
London (Kew Obsy.) ...		29.96	49	SSW	4	c	30.08	+0.3	46	+5	SW	3	o	*	0.02	52	41	om	c	cod	0.0	
Isafjord ...		28.94	25	NE	8	S	28.90	+0.4	23	-6	N	9	o	*	-	-	-	-	-	-	-	
Reykjavik ...		28.35	30	NE	7	o	28.42	+0.8	35	+5	NE	7	b	*	-	-	-	-	-	-	-	
Vestmanna ...		28.19	38	E	10	c	28.36	+0.3	40	+7	E	5	b	3	-	-	-	-	-	-	-	
Seydisfjord ...		28.78	31	NE	4	S	28.54	+0.1	36	+10	E	2	r	*	-	-	-	-	-	-	-	
Thorshavn ...		28.81	39	SSW	4	o	28.84	+1.1	45	+8	SSW	7	r	*	-	-	-	-	-	-	-	
Haparanda ...		29.71	12	NE	2	b	29.87	+0.1	21	+11	S	2	f	*	-	21	9	-	-	-	-	
Hernösand ...		29.81	25	-	0	b	29.77	-1.2	32	+4	S	2	b	*	0.28	32	16	-	-	-	-	
Stockholm ...		29.80	32	N	2	b	29.90	-0.6	31	-6	SSE	4	o	*	0.04	37	27	-	-	-	-	
Wisby ...		29.92	37	WNW	6	b	30.00	-0.3	32	-6	S	2	b	*	-	39	28	-	-	-	-	
Karlstad ...		29.91	29	-	0	b	29.73	-1.0	33	-5	SW	4	5	*	-	41	28	-	-	-	-	
Færder (X'lauda Fjord) ...		29.85	35	SW	1	b	29.57	-0.9	37	-1	SSE	6	5	3	0.16	39	36	-	-	-	-	
Bodö ...		29.54	35	-	0	c	29.39	-0.8	33	+1	ENE	5	b	2	-	34	30	-	-	-	-	
Christiansund ...		29.55	39	SE	3	o	29.34	-0.1	42	+5	-	0	c	4	0.08	42	34	-	-	-	-	
Skudesnaes ...		29.69	40	S	6	o	29.56	+0.2	42	+5	SW	6	b	6	0.35	42	34	-	-	-	-	
The Scaw (Skagen) ...		29.91	37	SSW	3	o	29.65	-0.6	39	+1	SW	7	r	2	0.04	39	32	-	-	-	-	
Blaavands Huk ...		29.96	36	SW	2	o	29.84	+0.1	39	+1	WSW	5	o	3	0.04	39	34	-	-	-	-	
Cuxhaven ...		30.05	38	S	1	b	29.99	-0.2	41	+1	SW	5	o	*	-	41	37	-	-	-	-	
The Helder ...		30.02	44	S	5	o	30.04	+0.3	44	+1	SSW	5	b	3	-	45	43	-	-	-	-	
Brussels ...		30.14	43	SSW	2	bc	30.21	+0.2	45	+8	SW	3	o	*	-	51	37	-	-	-	-	
Berlin ...		30.15	45	W	1	o	30.19	+0.1	39	0	SW	1	c	*	-	48	37	-	-	-	-	
Frankfurt ...		30.21	46	-	0	c	30.34	+0.6	41	+4	SW	1	f	*	-	48	36	-	-	-	-	
Munich ...		30.30	37	SW	2	b	30.44	+0.4	35	-3	SW	5	b	*	-	48	34	-	-	-	-	
C. Gris Nez ...		30.04	47	SSW	5	o	30.14	+0.3	47	+1	SSW	5	o	4	-	48	46	-	-	-	-	
La Hève ...		30.10	46	SW	4	bc	30.15	-	41	0	WSW	5	o	4	-	50	39	-	-	-	-	
Brest (St. Mathieu) ...		30.08	50	SSW	4	o	30.12	-0.1	51	+1	SSW	4	o	4	-	51	48	-	-	-	-	
Lorient (Bec Melon) ...		30.15	51	SW	5	o	30.16	-	51	+3	SSW	4	c	4	-	54	41	-	-	-	-	
Rochefort (Ile d' Aix) ...		30.25	50	SW	3	bc	30.34	-	43	-4	S	3	b	*	-	55	43	-	-	-	-	
Biarritz ...		30.23	52	NE	3	b	30.34	-	45	+2	ESE	3	b	4	-	59	43	-	-	-	-	
Paris ...		30.18	47	S	3	o	30.31	+0.2	45	+3	S	3	o	*	-	52	42	-	-	-	-	
Belfort ...		30.23	35	W	3	bc	30.46	-	41	-1	WSW	2	c	*	-	53	39	-	-	-	-	
Lyons ...		30.26	47	-	0	b	30.47	-	38	-4	-	0	o	*	-	54	37	-	-	-	-	
Nice ...		30.27	46	-	0	o	30.40	+0.4	42	-3	-	0	b	2	-	46	39	-	-	-	-	
Perpignan ...		30.27	48	-	0	b	30.41	+0.5	37	-2	SW	1	b	3	-	55	35	-	-	-	-	
Sanguinaire ...		30.27	50	E	3	m	30.35	-	50	0	ESE	2	bc	3	-	57	45	-	-	-	-	
Corunna (S. a.m.) ...		30.19	57	SSW	3	b	30.19	0.0	50	+7	SSE	3	c	3	-	59	43	-	-	-	-	
Lisbon (S. a.m.) ...		30.30	51	N	3	b	30.41	+0.6</														

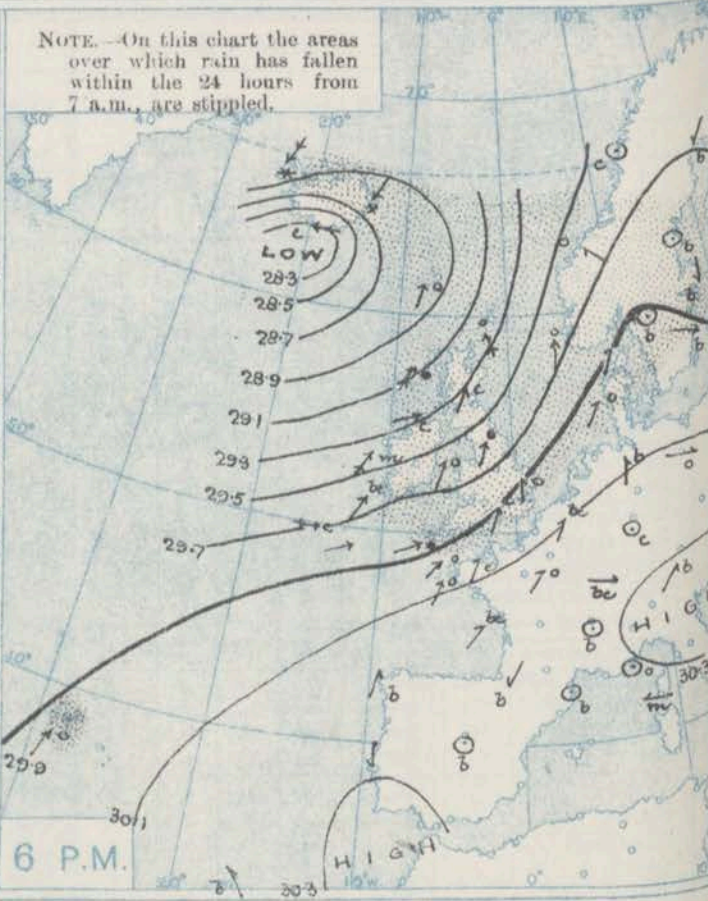
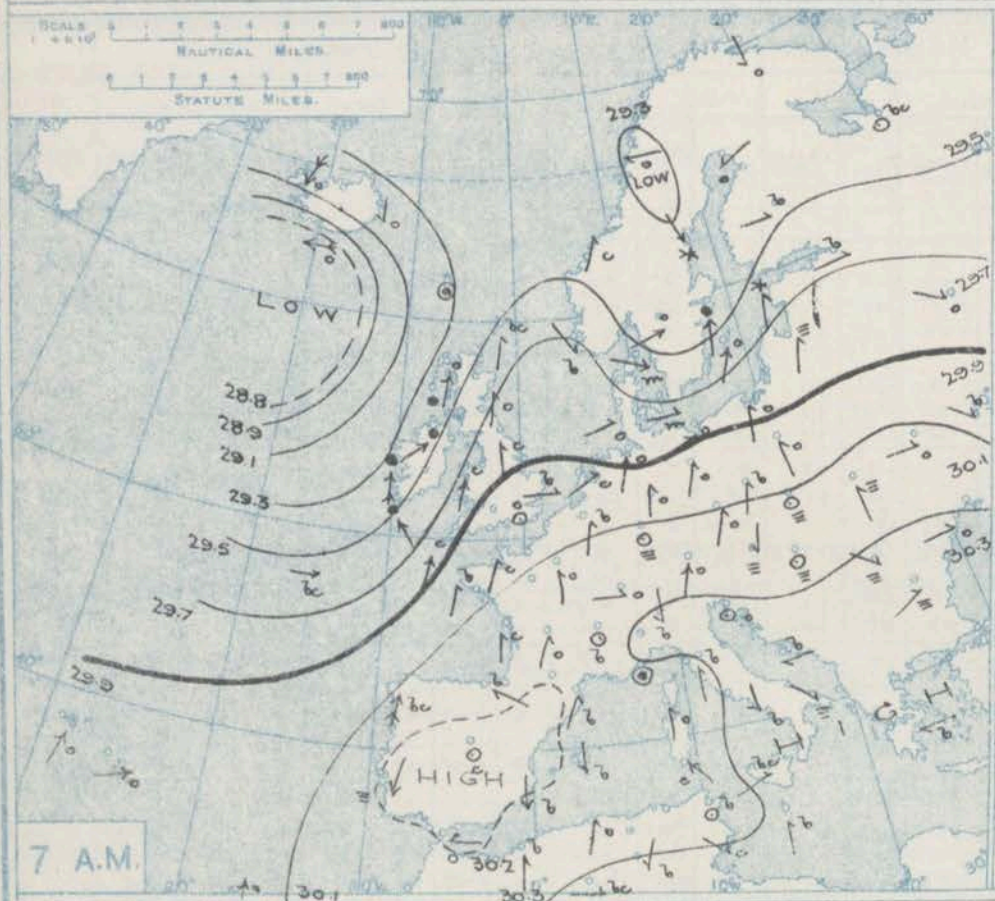
* Information for these columns not usually received.

† Received too late for insertion in Charts.

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



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 general situation remains very unsettled. A new depression approaching

Kerry will occasion increasing winds and unsettled weather.

FORECASTS FOR THE 24 HOURS NOON

Friday

TO NOON Saturday

- 0 {
a Wind between South and West,
b strong to a gale at times; squally,
changeable, some rain; mild.

- 2 {
a Increasing South-Westerly
b and Southerly winds; squally,
changeable, some rain;

3 mild.

- 4 {
a Increasing South-Westerly and
b Southerly winds, a gale locally on
coast; squally, changeable, some
rain.

THE FURTHER OUTLOOK.

(All Districts)

Conditions remaining unsettled.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

South Coast hoisted yesterday at 8.20 a.m. in Districts 1 and 11, and at 7.20 p.m. in District 11.

- 6 {
a
b

- 7 {
a
b

- 8 {
a
b

- 9 {
a
b

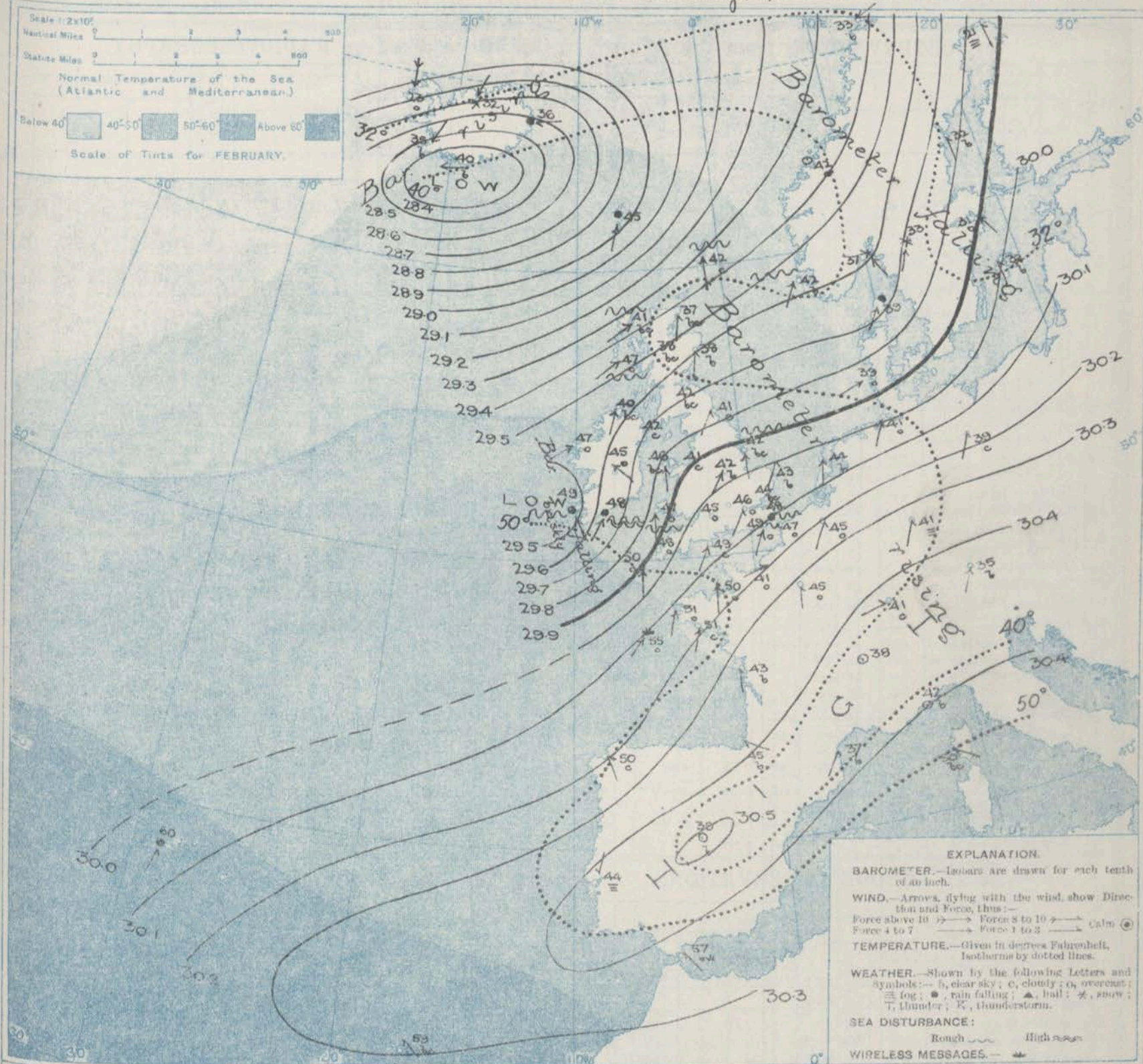
- 10 {
a
b

Same as Nos. 0 and 1.

11 WESTERN CHANNEL AND BAY.

Increasing South-Westerly and Southerly winds, strong to a gale; rising and moderating later; rough sea, high Westerly swell; squally, unsettled, some rain and mist or fog; mild.

SYNOPTIC CHART FOR 7 A.M. Friday, 7th FEBRUARY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure remains highest over South-Western and Southern Europe, above 30.4 in. over the Alpine region. In a very deep cyclonic system centred to the southward of Iceland the barometer is below 28.4 in. A secondary disturbance is approaching the Kerry coast, where the barometer is falling rapidly, and is already down to 29.4 in. The gradient is steep to very steep over our western and northern districts and across to Iceland.

E. to N.E. winds prevail over Iceland, but over the rest of our area the direction is between S. and N. Fresh to strong winds are reported in many

localities, a gale in Shetland, a strong gale in the north-west of Iceland. At the home stations temperature ranges from 37° at Wick to 49° or 50° along the Channel; on the Continent from 35° at Dünkirchen to 51° at Brest and Lorient, and 57° at Gibraltar; in Scandinavia from 21° at Haparanda to 42° at Christiansund and Skudsmoes; and in Iceland from 23° to 40°. On the Bay the temperature of the air is 55°, that of the sea water 53°. The weather is in a very variable state, in some localities clear and cloudless, in others overcast, dull or gloomy. Rain is falling in the south of Ireland and in Denmark, snow in Southern Scandinavia and in the north of Iceland.

DAILY WEATHER REPORT.

Friday, 7th February, 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

OBSERVATIONS FROM THE ATLANTIC COAST, FEBRUARY 1891.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
	"	"			In.	In.		(0-12).		"	"				In.	In.		(0-12).	
7th, Jan	47.7	6.33	<u>H.M.S.</u>	0	30.02	00	SW	6	0	6th, 6pm	49	12	<u>Vaderland</u>	H	29.88	00	WSW	4-5	
			Dry Bulb, 55; Wet Bulb, 53; Sea Temperature, 53; Sea Disturbance, 5.								51	11	<u>Royal Edward</u>	H	29.42	-03	S	8-9	
6th, 6pm	49.28	3.44	<u>H.M.S.</u>	0	29.90	-	SW	5	0										
			Dry Bulb, 54; Wet Bulb, 52; Sea Temperature 50; Sea Disturbance, 4.								48	14	<u>Vaderland</u>	H	29.87	+10	WSW	6-7	
	50	15	<u>Carpathia</u>	0	29.70	+09	W	8-9	C		Jan	48		16	H	29.63	00	W	6-7

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							Margate							
	Stonehaven							Ramsgate							
	St. Andrews							Deal							
	Carnoustie							Folkestone							
England, N.E.	Harrogate	0.04	48	32	c.b.c.	o.c.p.	0.0	Hastings							
	Scarborough		47	34	o	o	0.8	Bexhill-on-Sea							
	Blackpool	0.10	50	35	o	o	0.0	Eastbourne							
	Southport		50	36	o.b.c.	o.g.c.	0.0	Seaford							
England, N.W.	Buxton		46	41			0.0	Brighton	0.01	49	47	c.a.c.	o.c.	0.0	
	Matlock							Worthing		50	46	c	c		
	Douglas							Littlehampton							
	Rhyl	0.03	52	34	b.c.p.	p.b.c.	0.1	Bognor							
Wales.	Colwyn Bay	0.03	52	38	b.c.p.	p.b.c.	0.0	Southsea	0.21	51	46	o.c.	c.b.c.	0.0	
	Llandudno	0.05	52	37	o	o	0.5	Bournemouth	0.20	51	45	o.c.	o		
	Betws-y-Coed							Weymouth	0.16	52	44	b.c.c.	c.e.		
	Aberystwyth	0.05	50	38	c.o	o.o	0.0	Teignmouth	0.04	53	44	c	c		
England, E.	Lowestoft		49	34	o.c.b.c.	o	2.6	Torquay	0.04	53	45	o	c.o.		
	Felixstowe		48	34	c	c	0.3	Paignton		53	43	b.c.c.	c		
	Walton-on-Naze		46	40	d.b.c.	b.c.	0.3	Ilfracombe	0.07	53	40	ep	c.opu		
	Southend-on-Sea		49	40	o	o	0.1	Weston-super-Mare		52	37	b.c.	b.c.		

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.
	1 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.)	79	90	52	44	37	0.01	o	0.01	Dublin to 4 p.m.	0.02	53	37	33	b.o.g.	o.g.c.
City (Bunhill Row)								0.0	Plymouth to 9 p.m.	0.07	51	46	42	o.g.	b.c.g.
Westminster (St. James's Pl.)	82	94	52	46	40	0.02	b.c.	1.0m	Darwen	0.25	46	33	30	o.	o.g.
Camden Sq. (Brit. Rainfall)	74	88	52	44	38	0.02	o	0.0	Manchester	0.11	50	37	29	c.b.c.	b.c.c.
Hampstead (Reservoir)		93	49	43	37	0.02	oem	0.0	Birmingham	0.01	49	33	23	o	c
Kew. (See front page.)								0.0	Oxford to 8 p.m.		52	36	32	o.b.b.m.	b.m.c.
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.															
			Total.		Average Rate.		Max. Rate.								
S. Kensington (Roof of M.O.)			80		89		210 Joules.		62 Milliwatts.		18 Milliwatts.				

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

7th & 8th Feb., 1913.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	7.27	12.7	4.47
	7.26	12.7	4.48
Greenwich	7.31	12.14	4.57
	7.30	12.14	4.58
Wick	8.8	12.26	4.44
	8.6	12.26	4.46
Valencia	8.13	12.55	5.37
	8.12	12.55	5.38

NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature exceeded 50° in many parts of these Islands, and touched 54° at Bath. Rain fell generally, but no large amounts are reported. A thunderstorm occurred in the Hebrides. Wotthing had 3½ hours of bright sunshine, but the records generally were none or less than an hour. A South-Westerly gale to a strong gale has been felt on various parts of coasts. As far west as the 17th meridian ships experienced Westerly winds, fresh or strong to a gale, with changeable 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.

12.21.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Saturday,

8th February, 1913.

1913.

Force.

(0-12).

4-5

8-9

6-7

6-7

Sun.

Moon.

0.

0.

0.

0.

0.

0.

0.

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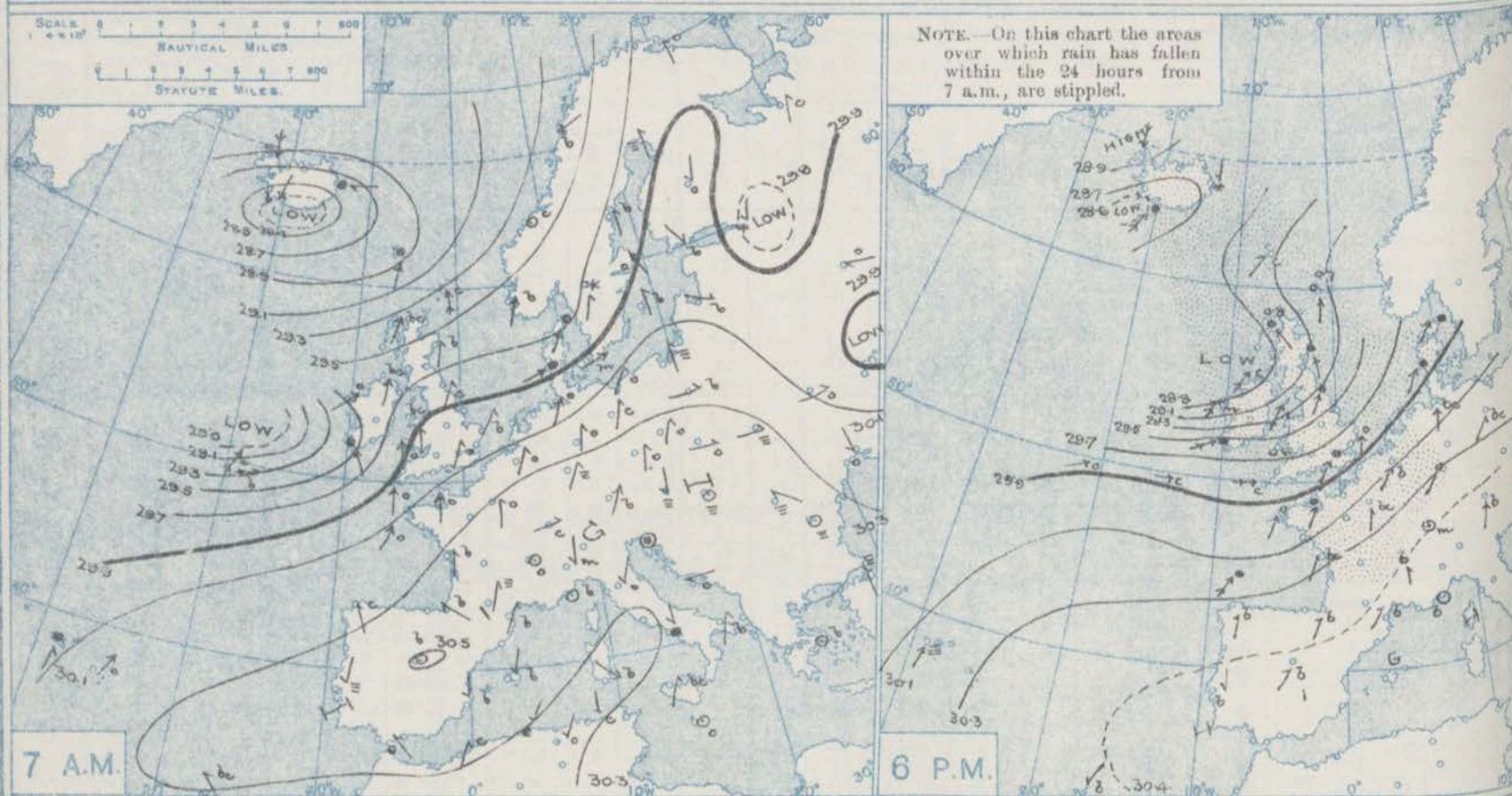
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0.

0.

STATIONS.	YESTERDAY EVENING.						THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shine for Yester- day.
	Barom.		Temp.		Wind.		Barometer.		Temp.		Wind.		Sea (0 to 9).	Temp.		Weather.							
	At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Wet 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.	Rain- fall.	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 5 p.m.	Night. 5 p.m. to 7 a.m.			
Lerwick ...	29.28	43	SSE	5	0	o	29.22	-?	41	-1	W	8	r	6	0.70	44	39	cmp	omg	omg	omg	0.0	
Stornoway ...	28.92	41	SE	6	0	cpq	29.72	+2.2	40	-1	NW	7	bc	5	0.76	45	40	cpq	cpq	o.cpq	o.c	0.0	
Castlebay (Barra Isd.) ...	28.84	46	SSW	4	0	d	29.84	+1.6	44	-3	W	5	c	5	0.29	47	41	otq	otq	otq	otq	0.0	
Malin Head ...	28.80	46	SW	8	0	c	29.93	+1.4	43	+3	W	5	cp	7	0.14	50	40	omg	omg	omg	omg	0.0	
Blacksod Point ...	28.88	49	SW	9	0	m	30.01	+0.6	45	-2	W	6	bc	4	0.41	52	41	omg	omg	omg	omg	0.0	
Valencia ...	29.56	47	WSW	8	0	c	30.19	+0.1	47	-2	S	3	bc	5	0.43	54	41	om	cpq	cpq	cpq	0.1	
Roche's Point ...	29.54	47	W	8	0	c	30.25	+	41	-7	WSW	1	bc	5	0.23	52	40	omr	cp	bc	bc	0.0	
Birr Castle ...	29.16	45	WSW	8	0	o	30.15	+	36	-9	SSW	1	bc	5	0.13	56	34	ot.c	cp ot.	ot.bca	ot.bca	1.7	
Donaghadee ...	29.10	48	SSE	5	0	dq	30.02	+1.1	38	-4	W	2	b	1	0.39	50	38	grq	bcgpl	bcgpl	bcgpl	0.0	
Liverpool Obsy. ...	29.39	49	SW	6	0	b	30.09	+1.7	42	+1	WSW	6	b	5	0.10	54	36	o	c.og	cp	cp	0.0	
Holyhead ...	29.30	50	SSW	9	0	c	30.07	+0.8	42	-4	W	7	b	7	0.31	51	41	omr	c.u	bcg	bcg	0.0	
Pembroke (St. Ann's Hd.) ...	29.55	49	SW	9	0	c	30.25	+1.2	45	-2	WNW	6	bc	6	0.55	52	44	ogm	ogm	ogm	ogm	0.0	
Newquay ...	29.80	50	WSW	8	0	bc	30.35	+1.2	47	-1	NW	5	bc	5	0.27	53	43	ot	ot.bcg	bc	bc	0.0	
Scilly (St. Mary's) ...	29.80	51	W	8	0	omg	30.36	+1.13	47	-3	WNW	3	omg	5	0.23	54	45	omr	omg	bcg	bcg	0.0	
Jersey (St. Aubin) ...	30.02	51	SSE	4	0	om	30.40	+	48	-2	W	4	b	4	0.22	54	47	om	om	ot.bca	ot.bca	0.0	
Portland Bill ...	29.79	49	SSW	8	0	r	30.29	+1.2	45	-4	W	7	b	6	0.42	50	43	c	ogp	ot.bca	ot.bca	0.0	
Dungeness ...	29.90	50	S	7	0	r	30.15	+1.2	44	-5	W	5	c	4	0.11	51	42	c.o	c.o	ot.bca	ot.bca	0.0	
Dover ...	29.95	49	SW	8	0	r	30.17	+	44	-4	W	4	b	3	0.05	50	41	m.d	ot.bca	ot.bca	ot.bca	0.0	
Wick ...	29.05	41	SSE	7	0	r	29.52	+3.0	41	+4	NW	6	cp	5	0.23	43	37	bc.om	omr	omg	omg	0.0	
Nairn ...	29.01	43	SSE	2	0	c	29.69	+	39	+1	W	2	c	1	0.17	43	36	c.o	qr.c	qr	qr	0.0	
Aberdeen ...	29.10	44	SSE	5	0	r	29.64	+3.5	42	+4	WNW	8	b	4	0.21	46	38	bc.o	ogp	ot.b	ot.b	0.0	
Leith ...	29.11	49	SSW	5	0	r	29.81	+2.7	42	0	WSW	5	b	3	0.10	52	41	c.o	ot.bca	bcg	bcg	0.0	
North Shields ...	29.32	48	SSW	4	0	c	29.79	+2.0	42	+1	W	6	c	3	0.06	48	38	c.o	ot	ot	ot	0.0	
Spurn Head ...	29.60	50	S	9	0	c	29.91	+1.2	43	+1	W	9	bcg	7	0.03	51	38	ogp	cp.bcg	bcg	bcg	0.0	
Yarmouth ...	29.81	50	S	4	0	o	30.02	+1.6	43	0	W	5	bc	4	0.03	52	40	bc.om	om	om	om	0.0	
Clacton-on-Sea ...	29.88	47	SSW	6	0	o	30.12	+1.3	43	-1	W	4	bc	3	0.03	48	42	bc.og	og	og	og	0.0	
Nottingham ...	29.60	53	SW	6	0	o	30.06	+	43	+1	W	3	bc	3	0.04	53	41	bc.ot	r.d	o.a	o.a	0.0	
Bath ...	29.75	53	SW	8	0	r	30.29	+	42	-3	W	3	b	3	0.27	55	41	-	-	-	-	0.0	
London (Kew Obsy.) ...	29.81	51	SSW	6	0	omg	30.19	+1.3	42	-4	W	4	bm	3	0.10	53	42	ad.og	otq	otq	otq	0.0	
Isafjord ...	28.93	24	N	9	0	S	29.19	+0.9	26	+3	N	9	c	3	+	+	+	+	+	+	+	+	
Reykjavik ...	28.46	37	NE	3	0	o	28.94	+1.2	33	-2	E	7	r	3	+	+	+	+	+	+	+	+	
Vestmanna ...	28.63	38	SW	10	0	r	29.13	+0.7	33	-7	W	8	c	7	+	+	+	+	+	+	+	+	
Seydisfjord ...	28.71	34	N	2	0	S	29.15	+1.0	34	-2	W	2	c	3	+	+	+	+	+	+	+	+	
Thorshavn ...	29.08	42	SW	4	0	c	29.38	+1.2	37	-8	WNW	3	bc	3	+	+	+	+	+	+	+	+	
Haparanda ...																							
Hernösand ...																							
Stockholm ...																							
Wisby ...																							
Karlstad ...																							
Færder (X'tania Fjord) ...																							
Bodö ...																							
Christiansund ...																							
Skudesnaes ...																							
The Scaw (Skagen) ...	29.86	40	SSW	5	0	r	29.43	-0.4	44	+5	SW	6	o	2	0.28	45	39	Extreme WSW 9.					
Blaavands Huk ...	29.85	39	SSW	4	0	r	29.54	-0.4	40	+1	SW	6	m	5	0.28	41	36	Donaghadee 9pm to 3am.					
Cuxhaven ...	30.01	47	S	5	0	bc	29.86	0.0	45	+4	SW	7	o	3	0.04	48	41	Extreme W 10.					
The Helder ...	29.92	48	S	8	0	o	29.97	+1.3	46	+2	SW	8	bc	6	0.04	48	44	Liverpool 7pm to 1am.					
Brussels ...	30.10	50	SSW	7	0	b	30.18	+0.8	45	0	WSW	3	b	3	0.08	51	44	Extreme SW 8.					
Berlin ...	30.26	46	SW	2	0	bc	30.08	-0.2	43	+4	SW	3	o	3	0.04	48	39	Holyhead all day.					
Frankfurt ...	30.32	46	SW	1	0	o	30.23	+0.1	41	0	SW	1	r	3	0.04	54	39	Extreme SW 9.					
Munich ...	30.46	36	S	4	0	b	30.40	-0.2	35	0	SSW	4	b	3	0.04	46	36	Pembroke 9am to 3am.					
C. Gris Nez ...	29.96	46	S	7	0	r	30.16	+1.2	45	-2	W	7	b	7	0.16	50	45	Extreme SW 9.					
La Hève ...	30.01	46	SW	7	0	r	30.30	+	45	+4	W	5	o	6	0.04	54	41	Newquay 6pm.					
Brest (St. Mathieu) ...	30.00	52	SSW	7	0	o	30.47	+1.0	48	-3	NW	3	b	5	0.08	54	45	Extreme WSW 8.					
Lorient (Bec Melon) ...	30.06	52	S	6	0	r	30.45	+	48	-3	NW	3	b	3	0.28	54	43	Scilly 4pm to 3a. Ex. W 9.					
Rochefort (Ile d' Aix) ...	30.32	50	SSW	3	0	bc	30.48	+	50	+7	WNW	3	bc	3	0.28	54	43	Portland 2p-3a. W 9.					
Biarritz ...	30.35	55	SSW	2	0	b	30.54	+	54	+9	WNW	1	o	5	0.04	63	45	Dungeness 1p-2a. SSW 9.					
Paris ...	30.24	52	S	4	0	c	30.33	+1.0	46	+1	WSW	3	b	3	0.28	55	44	Dover 6p-10p. Ex. SW 9.					
Belfort ...	30.38	47	-	0	0	m	30.37	+	41	0	W	4	o	3	0.04	54	35	Wick 2a-3a. NW 9.					
Lyons ...	30.43	45	-	0	0	b	30.49	+	39	+1	-	0	o	3	0.04	53	37	Nairn 2a-3a. W 8.					
Nice ...	30.43	46	-	0	0	b	30.44	0.0	46	+4	-	0	o	3	0.04	57	39	Aberdeen 2a-3a. NW 10.					
Perpignan ...	30.																						

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



GENERAL INFERENCE

WEATHER PROSPECTS.

There is a considerable slackening in the barometric rise on the Irish coast, accompanied by a backing of the wind towards South. It

is probable, therefore, that a new depression will appear in that region in the course of the day, and a renewal of unsettled weather is expected.

FORECASTS FOR THE 24 HOURS NOON Saturday TO NOON Sunday.

- 0 {
a Moderating North-Westerly winds,
b backing South-Westerly later and
freshening again; fine at first, then
less settled, some rain; temperature
rising.
- 1 {
a
b
- 2 {
a Westerly winds, moderating,
b backing South-Westerly or
- 3 {
a Southerly and increasing
b again later; fine at first,
- 4 {
a becoming less settled with some
b rain; temperature rising.
- 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. ⚡

South Cone hoisted at 11.45 a.m. yesterday in Districts 2, 3, 4, 5 (part), and rehoisted at 7.20 p.m. in Districts 2, 1 and 5 (part) to 11.

- 6 {
a
b

- 7 {
a
b

- 8 {
a
b

- 9 {
a
b

- 10 {
a
b

Same as Nos. 2 to 5.

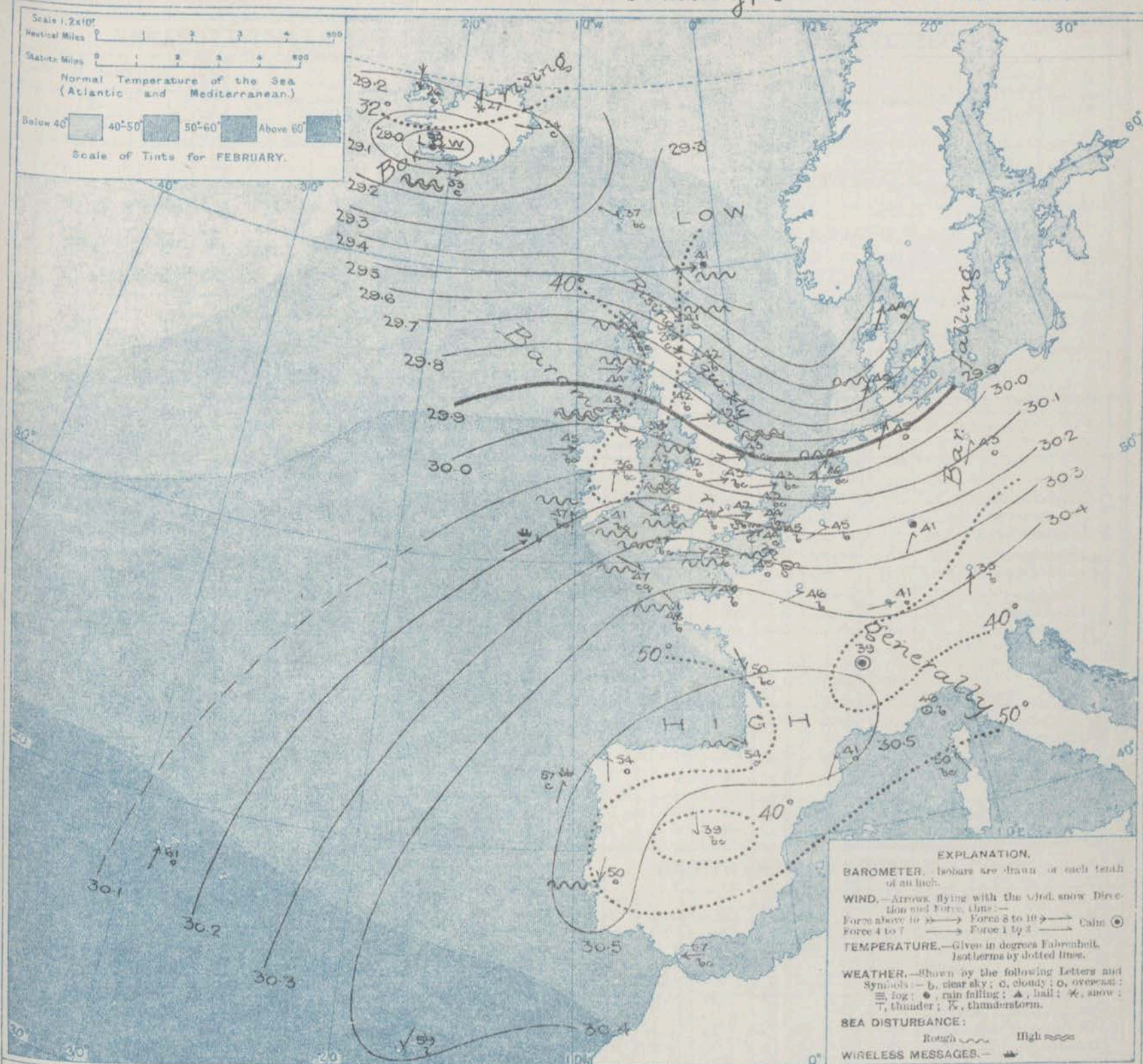
South-Westerly to Southerly winds, increasing again; fair to dull, some rain; temperature rising.

11 WESTERN CHANNEL AND BAY.

Westerly to South-Westerly winds, increasing again; rough sea, Westerly swell; squally, changeable, fine to dull, some rain; mild.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. Saturday, 8th FEBRUARY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

In an anticyclone centred over southwestern Europe the barometer is above 30½ in. Pressure is below 29 in. in a depression over Southern Iceland, and there are indications of a very deep depression over Norway. There is a considerable gradient over the greater part of our area.

The winds over the British Isles and Western Europe are between N.W. and S.W., generally very brisk in force, a gale at Aberdeen

and the Helles, a strong gale off the Humber. At the home stations temperature ranges from 36° at Bir Castle to 47° or 48° in the southwest; on the Continent from 35° at Munich to 57° at Gibraltar; and in Iceland from 26° to 34°. Fair to very fine weather prevails extensively. Rain is falling in Shetland and at Frankfurt and Lyons, snow in the north of Iceland. A rather rough to high sea is running on many parts of our own and the Continental coasts.

DAILY WEATHER REPORT.

Saturday 8th February, 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
8th, 7 a.m.	42 35	10 12	H.M.S.	O	30.48	+10	SSW	1	c						In.	In.		(0-12).	
			Dry Bulb, 57°; Wet Bulb, 57°; Sea Temperature, 56°; Sea Surface Current, 2.																
7th, 6 p.m.	45 2	8 18	H.M.S.	O	30.15	-	SW	9	r.	7th, 7 a.m.	50 19		Carpathia	O	28.99	-20	SW	10-11	c
			Dry Bulb, 55°; Wet Bulb, 55°; Sea Temperature, 59°; Sea Surface Current, 6.																
8th, 7 a.m.	51	12	Baltic	O	30.14	-01	WSW	6-7	b		49 18		thesaba	H	29.32	+06	WSW	8-9	b
7th, 6 p.m.	49	20	Carpathia	O	29.89	+11	WSW	6-7	o										
"	49	14	thesaba	H	29.83	+11	W	6-7	c										

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

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.	Oban	In.					Hr.	Margate	...	In.	53	46	o	o. of.	0.0
	Stonehaven							Ramsgate	...		51	45	*	*	0.0
	St. Andrews	0.15	44	40	o	of.	0.0	Deal	...	0.01	52	48	o. cp	bc. gd.	0.4
	Carnoustie							Folkestone	...		50	46	o	c. od.	0.5
Eng. N.E.	Harrogate	0.43	52	38	c. of.	of. eq.	0.0	Littlestone	...		*	*	*	*	0.3
	Scarborough	*	50	38	o	o	0.0	Hastings	...	0.07	51	48	of. c.	bc. of.	0.3
England, N.W.	Blackpool	0.49	52	38	of.	eq.	0.1	Bexhill-on-Sea	...	0.10	51	48	g	g. bc. r.	0.0
	Southport	0.34	53	40	o	of. bc.	0.0	Eastbourne	...						0.0
	Buxton	0.64	48	33	of. o	c. of.	0.0	Seaford	...	0.11	51	49	o.	of.	0.0
	Matlock							Brighton	...	0.09	51	47	o	of.	0.3
Wales.	Douglas							Worthing	...	0.11	52	47	c	o. of.	0.0
	Rhyl	0.31	54	38			0.9	Littlehampton	...		*	*	*	*	0.0
	Colwyn Bay	0.59	53	44	fg.	fg.	0.0	Bognor	...						0.0
	Llandudno	0.19	55	44	of.	of.	0.2	Southsea	...	0.25	53	47	o. of.	of.	0.0
England, E.	Bettws-y-Coed	*						Bournemouth	...	0.21	52	46	of.	of.	0.0
	Aberystwyth	0.08	52	45	of. o	c. o.	0.0	Weymouth	...	0.43	52	47	o. of.	of.	0.0
	Lowestoft	0.01	50	38	o	o	0.0	Teignmouth	...	0.40	53	45	of.	of.	0.0
	Felixstowe	0.01	49	41	cm	m. of.	0.0	Torquay	...	0.54	53	47	o	f. o.	0.0
England, S.W.	Walton-on-Naze	-	49	43	abc.	o	0.0	Paignton	...	0.51	53	42	od	f.	0.0
	Southend-on-Sea	-	51	43	o	o	0.0	Ilfracombe	...	0.40	54	45	of.	f. o. c. o.	0.0
								Weston-super-Mare	...	0.05	52	42	cd	f. bc.	0.0

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.
Greenwich (Royal Obs.) ...	79	74	53	41	33	0.06	o	o	o. eq. b.	0.0	Dublin to 4 p.m.	0.07	56	42	39	c. of.	q. of.	q. cp.	
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	0.0	Plymouth to 9 p.m.	0.36	52	47	42	of. q.	of. q.	of. bc. q.	
Westminster (St. James's Pl.)	84	85	54	42	35	0.11	bc.	c	of. b.	0.0	Darwen "	0.35	49	37	33	of. q.	of.	of. bc.	
Camden Sq. (Brit. Rainfall)	76	76	53	40	34	0.09	o	o. of.	of. bc.	0.0	Manchester "	0.25	53	40	30	of. c.	of.	of. bc.	
Hampstead (Reservoir) ...	*	75	51	39	33	0.11	o	of.	of. bc.	0.0	Birmingham "	0.13	50	39	31	o	of.	c	
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.									Oxford to 8 p.m.	*	53	42	37	c. cm	cm.	of.
			Total.		Average Rate.		Max. Rate.												
S. Kensington (Roof of M.O.)	75	74	77 Joules.		2.3 Milliwatts.		6 Milliwatts.		0.0		S. Kensington (Museum Grounds to 6 p.m.)	0.06	53	46	37	c. of. o	of. o	of. of. q.	

NOTES ON YESTERDAY'S WEATHER.

Temperatures above 50° were registered yesterday in most parts of the British Isles, 56° in central Ireland. Rain was general, a few stations reporting to 2 in. Nearly all stations report no bright sunshine. A South-Westerly to Westerly gale to a whole gale has blown on nearly all our coasts, a squall of hurricane violence, at the rate of 76 miles per hour, at Aberdeen at 5 O'clock this morning. As far west as the 22nd meridian ships experienced S.W. 4 to W. 3 strong winds and gales, and variable weather.

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

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

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Sunday
9th February 1913.

1913.

NO.

WIND

Force

(U-15)

8-9

10-11

12-13

14-15

16-17

18-19

20-21

22-23

24-25

26-27

28-29

30-31

32-33

34-35

36-37

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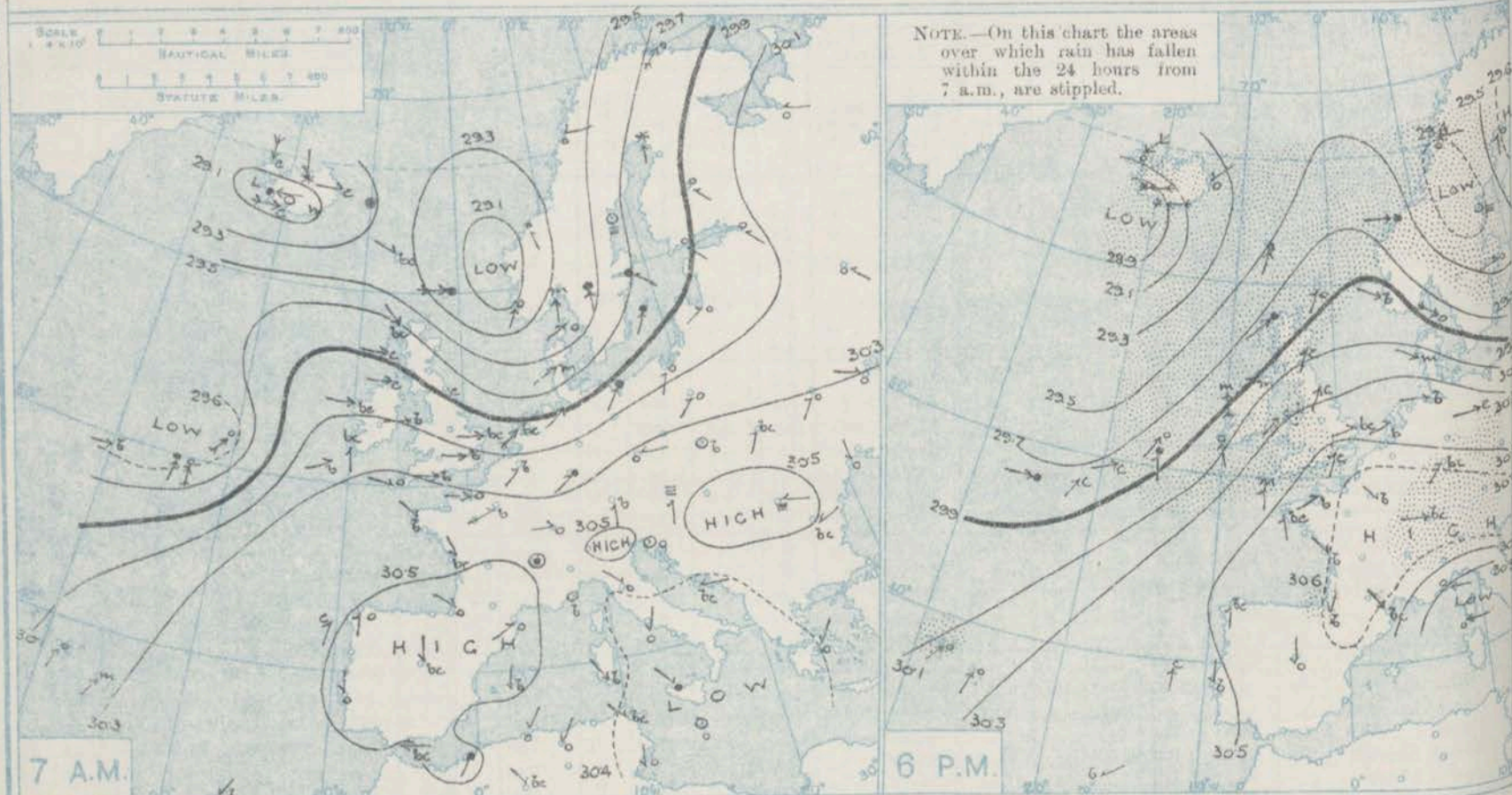
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BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 8TH FEBRUARY.



GENERAL INFERENCE

WEATHER PROSPECTS.

FORECASTS FOR THE 24 HOURS NOON SUNDAY TO NOON MONDAY

0 {
a
b

1

2 {
a
b

3

4 {
a
b

5

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

SOUTH COAST RE-HOISTED

All districts at 7:20 pm yesterday.

6 {
a
b

7 {
a
b

8 {
a
b

9 {
a
b

10 {
a
b

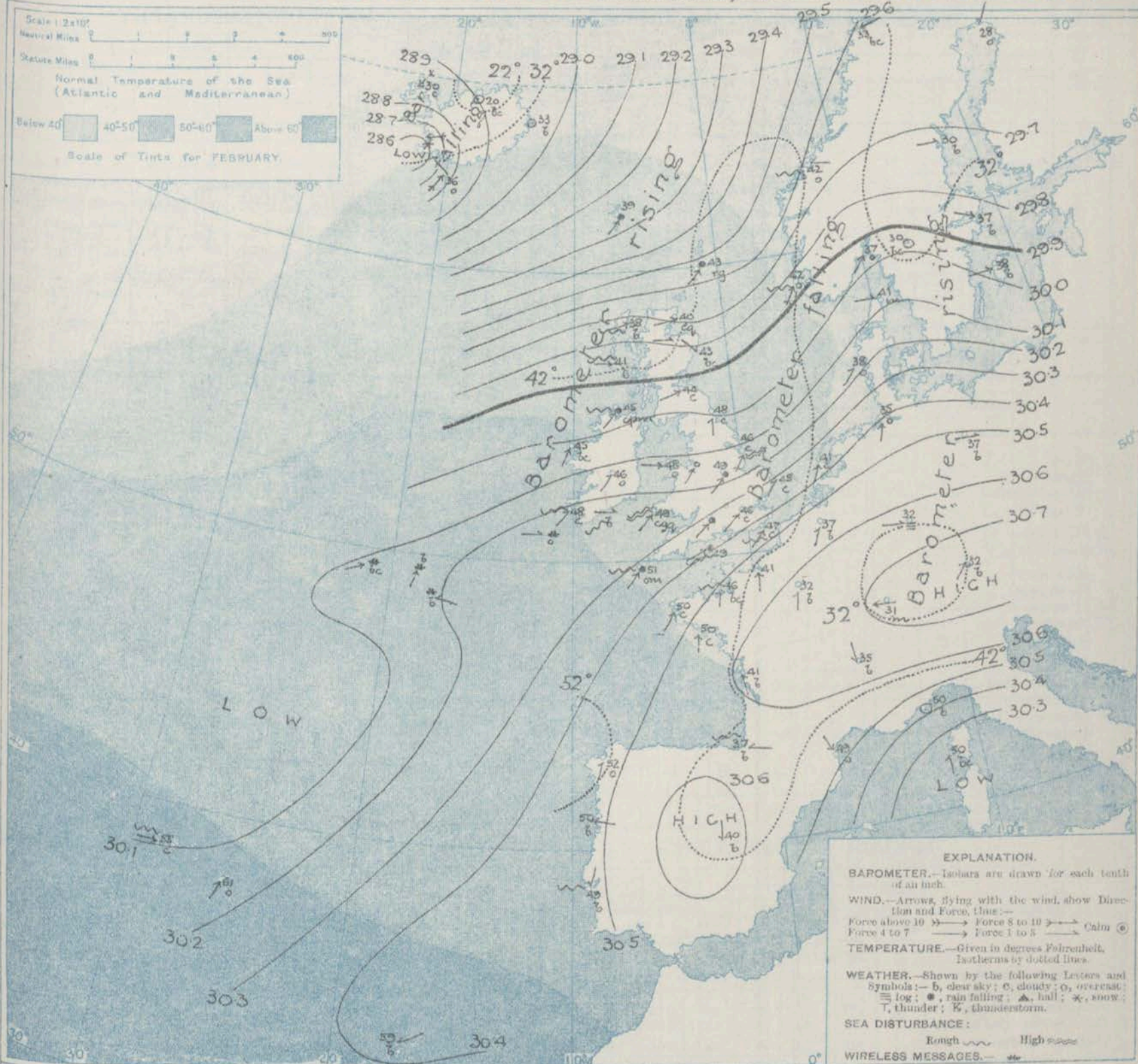
11 WESTERN CHANNEL AND BAY.

THE FURTHER OUTLOOK.

Issued.

Issued.

SYNOPTIC CHART FOR 7 A.M. SUNDAY, 9TH FEBRUARY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure is above 30.7 in. in an anticyclone having its maximum over Bavaria and its neighbourhood. Below 28.7 in. in the south-west of Iceland and relatively low to the north-eastward of the Azores. A very brisk rise of the barometer occurred during the night in the west and north-west of the United Kingdom.

The wind is mainly between South and West over these Islands; it blows a fresh to strong breeze on several parts of the coast, and a gale at Spurn Head. A South-Westerly gale is also reported at

Skudesnaes. In Iceland calms prevail in the east and gales from various directions in the west. A high wind from South-South-West is blowing at Ponta Delgada, and, according to wireless reports, there is a moderate breeze between West and South-West beyond Iceland as far west as the 21st meridian. Temperature has risen over the United Kingdom, and now varies from 51° at Sully, Newquay and Liverpool and 48° or 49° at many other stations to 38° at Stornoway. Rain is falling in Shetland & in some parts of England, but in many Irish and Scottish localities the weather is fair to fine.

DAILY WEATHER REPORT.

Sunday, 9th February, 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
8th. 7 p.m.	39 39	11.38	N.M.S.	-	30.45	+0.3	S	2	c.	8th. 6 p.m.	50	16	Baltic	O	29.77	-0.15	S	6-7	r.
			Dry bulb 59°										Montrose	H	29.57	+0.3	SSW	6-7	r.
" 6 p.m.	48	25	Carpathia	O	29.81	+0.7	W	8-9	r.	" 7 a.m.	49	24	Carpathia	O	29.55	-0.14	S	10-11	o
" "	48	21	Minneapolis	H	29.93	+0.8	SW	4-5	c	" "	51	20	Hesperian	H	29.57	+0.01	SW	8-9	o
" "	54	20	Mongolian	H	29.42	+0.6	NNW	6-7	bc	" "	55	10	Carthaginian	H	30.10	+0.10	SW	6-7	bc
" "	49	20	Montrose	H	29.89	+0.7	WSW	6-7	c										
" "	51	16	Hesperian	H	29.76	+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.					Hr.	Margate ...	In.					Hr.
Stonehaven ...							Ramsgate ...	0.04	51	46	"	"	7.0
St. Andrews ...							Deal ...	0.08	48	41	ov. c. bc	b. bc	6.8
Carnoustie ...							Folkestone ...	0.08	50	44	"	b. bc	6.3
England, N.E. (Harrogate ...)	0.06	46	38	b. bc	bc. c. bc	5.4	Littlestone ...	"	"	"	"	"	6.3
Scarborough ...	"						Hastings ...	0.19	49	41	ov. b	b	5.9
England, N.W. (Blackpool ...)	"	47	38	b. c	c	4.0	Bexhill-on-Sea ...	0.14	51	41	b	b	6.0
Southport ...	"	49	42	b. bc	bc. b	4.9	Eastbourne ...	0.25	48	32	"	b	6.7
Buxton ... 9 p.m.	?	50	39	r. bc	bc	2.5	Seaford ...	0.14	51	42	r. b	b	5.9
Matlock ...							Brighton ...	0.20	49	42	b	b. bc	7.0
Douglas ...							Worthing ...	0.22	52	40	b	b	6.1
Wales. (Rhyl ...)							Littlehampton ...	"	"	"	"	"	
Colwyn Bay ...	0.03	53	41	o	bc	4.0	Bognor ...						
Llandudno ...	"						Southsea ...						
Bettws-y-Coed ...	"						Bournemouth ...	0.10	51	40	b	b	7.9
Aberystwyth ...	0.08	49	43	r. o. c	c. bc	4.0	Weymouth ...	0.02	53	42	b	b	7.9
England, S.E. (Lowestoft ...)							Teignmouth ...	0.02	54	41	b	b. bc	7.0
Felixstowe ...	0.02	49	42	bm	bm	7.6	Torquay ...	0.12	52	40	b	bc	7.5
Walton-on-Naze ...	0.02	48	42	b	b	7.1	Paignton ...	0.10	53	40	b	b	7.3
Southend-on-Sea ...	0.01	50	40	b	b	5.3	Ilfracombe ...	"	52	44	b	b	
							Weston-super-Mare ...						

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain-fall.	WEATHER.			Sun-shine for Yesterday.	STATIONS.	RAIN-FALL.	TEMPERATURE.			WEATHER.			Sun-shine for Yesterday.
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.		Min. on Grass.		Fore-noon.	After-noon.	Night.				Max.	Min.	Night Min. on Grass.	Night.	Fore-noon.	After-noon.	
			Max.	Min.															
%	%				In.				Mr.		In.								
Greenwich (Royal Obsy.) ...	56	90	49	41	32	0.02	bc	bc	bc.or	6.3	Dublin to 4 p.m.	0.04	52	38	35	pl.bq	bc	bc	5.3
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	3.7	Plymouth to 9 p.m.	-	52	42	31	bc	b	bcq	4.4
Westminster (St. James's Pk.)	71	98	55	44	36	0.02	bc	b	bc.r.o	4.5	Darwen "	0.01	46	38	33	ov.w	rw	bc.o	4.2
Camden Sq. (Brit. Rainfall)	56	97	50	42	35	0.03	b	b.bc	bc.or	4.7	Manchester "	-	49	41	34	c	bc	bc	5.4
Hampstead (Reservoir) ...	*	95	49	41	34	0.04	bc	or	o	5.8	Birmingham "	-	48	39	32	b	c	b	
Kew. (See front page.)											Oxford to 8 p.m.	*	52	40	34	cq.b	b	b.c	
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																			
Total.			Average Rate.			Max. Rate.													
Joules.			Milliwatts.			Milliwatts.													
S. Kensington (Roof of M.O.)	58	92	468	137	25	5.0	S. Kensington (Museum Grounds to 6 p.m.) 0.05 52 42 32 b b bc.col												

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

9th to 10th Feb. 1913.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 7.24 12.7	G.M.T. 12.7	G.M.T. 4.50
Greenwich ...	7.22 12.7	12.7	4.52
Wick ...	7.28 12.14	12.14	5.0
Valencia ...	8.3 12.26	12.26	4.48
	8.0 12.25	12.25	4.51
	8.10 12.55	12.55	5.40
	8.8 12.55	12.55	5.42

During yesterday the sun shone for several hours over most of these Islands. The record was more than 7 hours at some southern and eastern stations, above 6 hours at a large number of stations, and above 5 hours over a very large area. Temperature rose to about 50° in most districts, to 54° at Valencia and Teignmouth. Rain has fallen in most parts of the Kingdom, but the amount is moderate or slight. Gales were experienced in Shetland and at Spurn Head and Pembroke. Wireless reports show that strong winds & gales between W. and S. prevailed on the Atlantic as far west as the 25th meridian.

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

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1913.

12.26.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

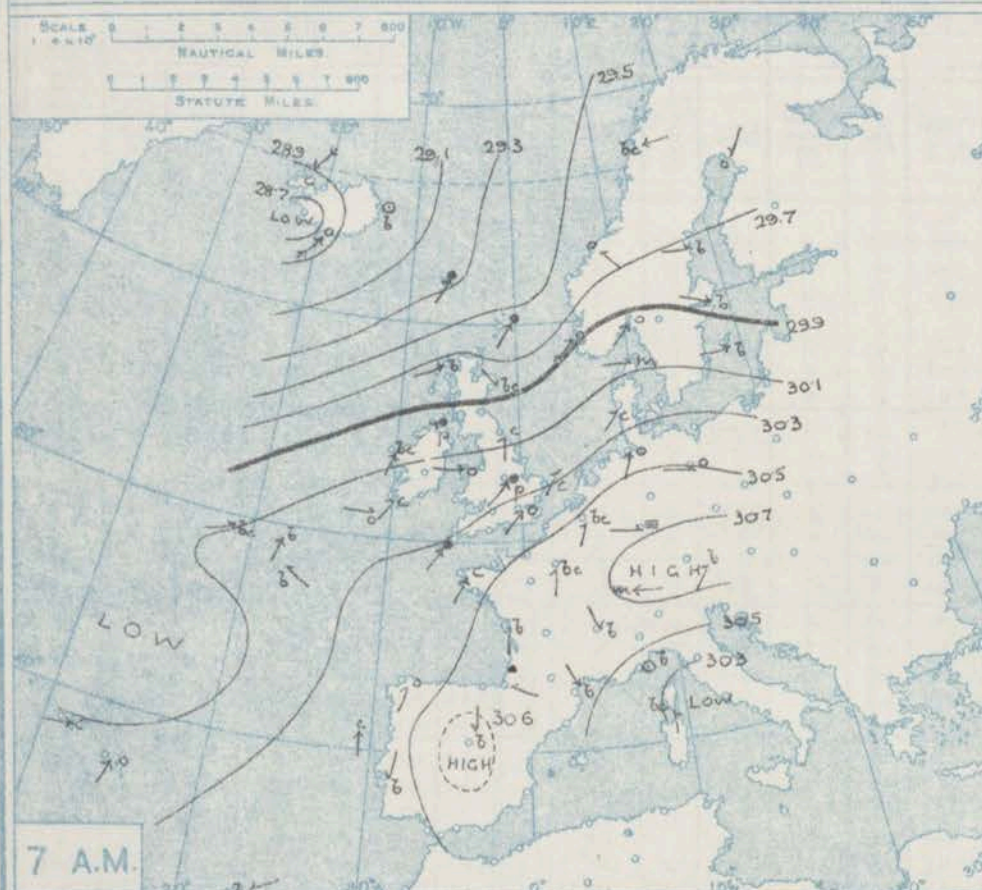
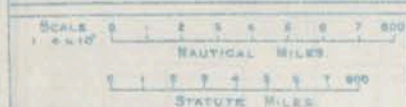
Monday,
10th February 1913.

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 52° Fahr. and M.S.L. Lat. 46°.	Dry Bulb.	Direc.	Force (0 to 12).	Weather.	At 52° Fahr. and M.S.L. Lat. 46°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.	Direc.	Force (0 to 12).	Weather.			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.				
BRITISH ISLANDS.	Lerwick	In. 29.96	42	WSW	5	bc	30.18	+0.2	43	0	SSW	4	bc	4	0.11	44	38	cap	cap	bc	*		
	Stornoway	30.15	41	WSW	6	cpq	30.24	+0.5	42	+4	SW	4	o	4	0.06	44	37	bcq	bcq	bc	4.2		
	Castlebay (Barra Isd.)	30.24	44	W	4	c	30.26	+0.2	45	+4	SSE	2	o	4	0.04	45	36	b.rshp	rsh.bc	bc	4.5		
	Malin Head...	30.28	42	WSW	3	bcq	30.21	+0.2	42	-3	E	3	m	2	Trace	48	36	bc	bc	bc	*		
	Blackod Point ...	30.26	42	S	2	o	30.10	-0.2	45	0	S	4	r	3	0.08	48	41	bc	om	om	*		
	Valencia	30.22	49	E	3	c	30.12	+0.1	51	+3	SSE	3	r	4	0.08	53	46	c.b	cg	c.b	1.4		
	Roche's Point ...	30.31	49	S	1	om	30.21	0	49	+3	WSW	3	o	4	0.32	49	35	om	om	rf	*		
	Birr Castle	30.29	43	S	1	bc	30.15	0	51	+5	S	1	r	4	0.08	51	41	bc	bc	c.b	1.2		
	Donaghadee	30.25	42	SW	2	b	30.19	-0.5	46	+3	SSE	2	m	2	0.05	49	38	bc	bc	bc	*		
	Liverpool Obsy. ...	30.43	44	WSW	1	c	30.30	-0.2	46	-5	ESE	2	o	2	0.20	51	42	bc	o	or	1.6		
ICELAND & FAEROE.	Holyhead	30.38	45	-	0	c	30.25	-0.0	48	0	S	4	r	3	0.37	49	42	c	om	om	*		
	Pembroke (St. Ann's Hd.)	30.37	47	SE	2	r	30.30	+0.1	48	-1	S	3	ogm	3	0.48	52	46	cgq	bc	om	1.0		
	Newquay	30.38	51	SE	3	o	30.37	0.0	48	-3	SE	3	c	3	0.07	52	47	od.r.o	odp	od.c	0.0		
	Scilly (St. Mary's) ...	30.34	50	S	3	om	30.31	0.0	49	-2	S	4	om	4	0.09	51	48	om	om	f	0.0		
	Jersey (St. Aubin) ...	30.53	49	S	3	bc	30.45	0	44	-2	ESE	3	c	3	0	52	42	c	bc	bc	2.3		
	Portland Bill	30.44	49	SW	4	m	30.42	0.0	47	-2	SW	3	c	4	0.03	50	46	od	op	cp	*		
	Dungeness	30.40	48	SW	3	o	30.45	-0.1	46	-1	S	4	c	4	Trace	48	45	c.b	o	od	*		
	Dover	30.45	46	SW	3	m	30.50	0	44	+3	SW	3	c	4	0.02	47	43	bc	om	om	0.0		
	Wick	30.14	37	SW	3	bc	30.28	+0.4	39	-1	SSW	3	c	3	0.03	43	35	c.b	bc	bc	*		
	Nairn	30.20	39	W	1	bc	30.29	0	37	-3	-	0	o	1	0.08	43	33	opq	bc	c.b	4.9		
SCANDINAVIA.	Aberdeen	30.26	40	SW	2	b	30.34	+0.1	38	-5	SW	1	o	2	0	52	37	bc	b	b	6.2		
	Leith	30.28	44	WSW	3	b	30.33	0.0	39	-5	ENE	1	d	4	0.04	47	35	cpq	b	b	*		
	North Shields	30.29	44	W	1	c	30.32	-0.3	41	-7	S	2	r	2	0.08	51	35	-	-	c.r	3.6		
	Spurn Head	30.42	45	W	4	bc	30.36	-0.1	44	-2	SSE	5	fe	5	0.16	50	40	cq	bc	bc	*		
	Yarmouth	30.44	51	WNW	2	o	30.45	0.0	44	-1	S	2	r	2	0.11	53	43	c.b	bc	b.b	0.0		
	Clacton-on-Sea	30.45	46	SW	3	o	30.44	-0.1	45	0	SSW	2	c	2	0.16	47	44	c.b	ogm	ogm	0.0		
	Nottingham	30.44	44	SSE	1	b	30.36	0	47	-2	SW	2	o	4	0.37	56	40	cp	c.b	bm	1.2		
	Bath	30.42	51	SSE	1	o	30.42	0	45	-5	W	1	o	4	0.15	56	43	-	-	-	0.0		
	London (Kew Obsy.) ...	30.47	50	SSW	2	o	30.44	-0.1	45	-1	S	1	om	4	0.15	51	44	od	om	om	0.0		
	Isafjord	28.86	30	NE	7	S																	
GERMANY, &c.	Reykjavik	29.10	34	SE	10	c																	
	Vestmanna	29.27	36	SW	9	bc																	
	Seydisfjord	29.17	37	NW	4	bc	29.54	+0.2	33	0	WNW	5	bc										
	Thorshavn	29.67	41	WSW	7	c	30.00	+1.3	39	0	WNW	5	bc										
	Haparanda	29.69	28	NE	2	o	29.79	+0.8	26	-2	S	2	o		28	26							
	Hernösand	29.65	32	-	0	o	29.90	+1.2	36	+6	WNW	4	bc		0.12	36	27						
	Stockholm	29.76	36	W	2	r	30.02	+1.1	34	-3	WNW	4	b		0.04	39	34						
	Wisby	29.86	38	WSW	6	r	30.10	+1.0	37	-1	NW	6	b		0.08	39	36						
	Karlstad	29.83	37	W	4	b	30.18	+0.6	34	+4	W	4	b		-	41	30						
	Færder (X'ania Fjord)	29.93	38	WSW	4	b	30.25	+0.7	36	-1	WSW	2	b	3	-	38	32						
FRANCE.	Bodö	29.40	36	E	4	m	29.65	+0.7	39	+6	SW	6	c	3	0.08	39	32						
	Christiansund	29.68	38	W	9	r	30.01	+0.6	41	-1	W	6	o	5	0.35	43	37						
	Skudenes	30.11	42	WNW	6	c	30.33	+0.4	42	0	W	2	o	4	0.35	45	41						
	The Scaw (Skagen) ...	30.08	40	WNW	6	b	30.31	+0.3	38	-3	WNW	5	bc	1	0.04	43	37						
	Blaavands Huk	30.34	38	WNW	3	m	30.49	+0.7	36	-2	WSW	1	f	1	0.04	39	34						
	Cuxhaven	30.40	42	W	6	b	30.54	+0.4	34	+1	SW	2	f		-	43	34						
	The Helder	30.47	43	SW	3	bc	30.48	-0.1	43	+2	S	3	f		-	45	37						
	Brussels	30.57	46	SW	2	o	30.55	0.0	43	+6	SSW	1	c		Trace	46	37						
	Berlin	30.43	44	SW	3	o	30.54	+0.2	41	+4	W	2	c		Trace	46	37						
	Frankfurt	30.61	43	SW	1	o	30.62	+0.2	40	+8	SW	1	f		-	48	36						
SPAIN, PORTUGAL, &c.	Munich	30.70	31	NE	1	b	30.69	0.0	30	-2	SW	1	b		-	41	28						
	C. Gris Nez	30.54	47	SW	5	o	30.47	-0.2	41	-2	SSE	2	c	2	0.04	48	39						
	La Hève	30.51	47	S	2	o	30.48	0	39	-2	SE	3	bc	2	-	54	37						
	Brest (St. Mathieu) ...	30.46	50	S	3	bc	30.39	-0.1	49	-1	ESE	4	b	3	-	54	49						
	Lorient (Bee Melen) ...	30.44	46	SE	4	b	30.38	0	40	-10	ENE	3	b	2	-	52	37						
	Rochefort (Ile d'Alx) ...	30.53	47	E	3	b	30.44	0	39	-2	ESE	3	b	2	-	54	39						
	Biarritz	30.41	55	ENE	2	b	30.38	0	41	+4	ESE	2	b	2	-	59	37						
	Paris	30.60	40	S	2	b	30.57	+0.1	28	-4	S	1	b		-	51	28						
	Belfort																						
	Lyons	30.64	41	NNW	2	b	30.63	0	32	-3	-	0	m		-	49	30						

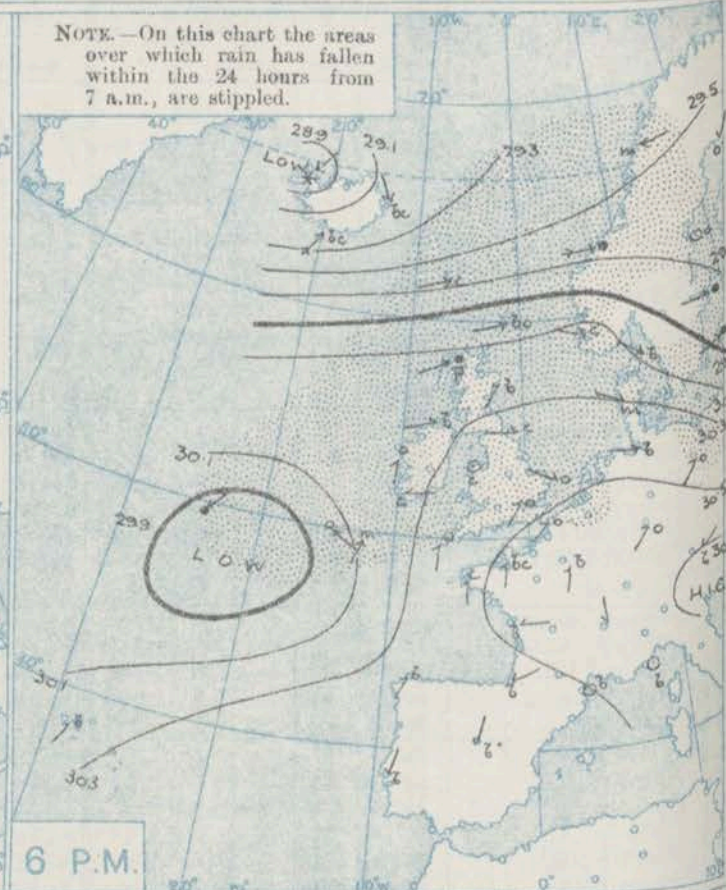
* Information for these columns not usually received.

† Received too late for insertion in Charts.

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 9TH FEBRUARY.



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 changes in pressure in our neighbourhood are very slight, and afford

no indication of a decided change in the general situation.

FORECASTS FOR THE 24 HOURS NOON MONDAY TO NOON TUESDAY.

0 {
a } Light to moderate South Easterly
b } and southerly breezes; fair to dull,
rain in places; moderate temperature.

1

2 {
a } Light to moderate southerly
b }

3 and South Easterly breezes; fair

4 {
a } to dull, local showers, morning
b } mist or fog; moderate temperature.

5

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

NO WARNINGS ISSUED.

6 {
a }
b }

7 {
a }
b }

Same as Nos. 2 to 5.

8 {
a }
b }

9 {
a }
b }

Light to moderate South Easterly to South Westerly breezes; dull and rainy, fairer later, misty in places; mild.

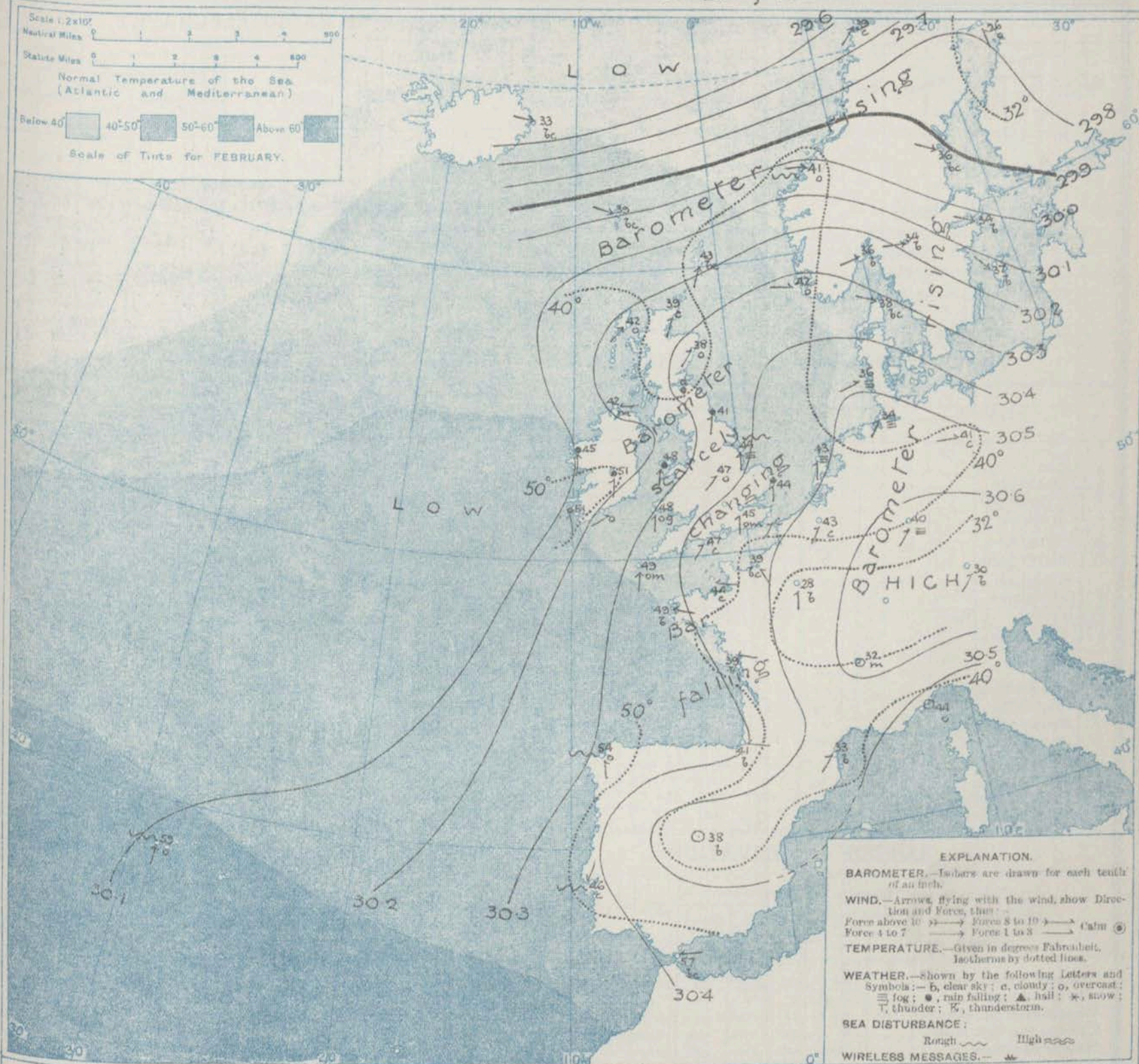
10 {
a }
b }

11 WESTERN CHANNEL AND BAY.

Light to moderate southerly to easterly breezes; sea moderate to smooth; fair to dull, some mist or fog; moderate temperature.

THE FURTHER OUTLOOK.

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



NOTES ON THE GENERAL SITUATION AT 7 A.M.

High pressure now prevails over the greater part of the region under observation, the barometer being up to nearly 30 $\frac{3}{4}$ in. over Bavaria. In a depression beyond the Arctic Circle pressure is at about 29 $\frac{1}{2}$ in. The gradient is moderate in the far north, slight elsewhere.

Moderate to strong westerly winds prevail from Iceland across Scandinavia, but in other regions light breezes from between South-East and South-West are reported. Over the British Isles temperature ranges from 37° at Naïm to 51° at Bir Castle and Valencia; on the Continent from

23° at Paris to 49° at Brest, and 57° at Gibraltar; in Scandinavia from 26° at Staparanda to 42° at Skudenes. The weather is fine and clear over France and Southern Sweden, elsewhere it is very cloudy to overcast, dull or gloomy. Rain is falling in Ireland, and locally on the east coast of Britain, and the atmosphere is foggy across the southern half of the North Sea. The sea is moderate to smooth on nearly all coasts.

DAILY WEATHER REPORT.

Monday, 10th February 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.	
9th 6pm	49	24	Baltic	O	29.87	-.06	NE	4-5	r	9th 1pm	49	14	Minneapolis	H	30.15	+.06	SE	4-5	b
"	49	13	Montrose	H	30.04	-.06	ESE	4-5	o	" 1pm	49	21	Baltic	O	30.10	+.01	WSW	4-5	b
"	49	12	Minneapolis	H	30.06	.00	SSW	4-5	m	"	49	18	Montrose	O	30.19	+.04	SSW	4-5	b
"	55	8	Numidian	O	30.37	-.01	S	4-5	b	"	48	17	Minneapolis	H	30.18	+.02	ESE	1-3	o
"	51	10	Canada	O	30.18	-.06	SE	4-5	o	"	51	11	Hesperian	H	30.22	+.06	W	1-3	o

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

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scotland.	In.					Hr.	(Margate	In.	50	40	o	o	0.0
Stonehaven							Ramsgate		49	37	"	"	0.0
St. Andrews							Deal		48	39	bc. cp	ogm	0.0
Carnoustie							Folkestone	0.04	47	43	r. b	r. cm	0.0
England, N.E.							Littlestone	"	48	45	b. or	om	0.0
Harrogate	0.03	50	41	b. bc	bc. e	2.1	Hastings	0.19	48	45	b. or	e	0.0
Scarborough	"	54	41	bc	bc	2.0	Bexhill-on-Sea	0.08	47	45	d. e	e	0.0
England, N.W.							Eastbourne	0.16	49	41	or	o	0.0
Blackpool	0.17	49	42	or. c	o. c	0.5	Seaford	0.20	49	43	or	or. o	0.0
Southport	0.17	48	40	bc. o	c. o	1.1	Brighton	0.21	48	45	o	o	0.0
Buxton ... (9pm) ...	0.14	50	39	r. bc	bc	2.5	Worthing	"	"	"	"	"	0.0
Matlock							Littlehampton	"	"	"	"	"	0.0
Douglas							Bognor		49	43	o	o	0.0
Wales.							Southsea	0.25	50	41	r. od	od	0.0
Rhyl	0.06	51	41	bc	bc	0.2	Bournemouth	0.30	50	47	od	d. o	0.0
Colwyn Bay	0.03	51	43	e	e. b	0.4	Weymouth	0.20	51	46	od. c	c	0.0
Llandudno	0.03	49	46	"	"	0.4	Teignmouth	0.39	53	48	oe	oe	0.0
Bettws-y-Coed	"						Torquay	0.15	51	45	of. o	c. oe. d	0.0
Aberystwyth	0.18	49	45	bc. b	om	2.2	Paignton	"	52	43	c	om	0.0
England, E.							Ilfracombe						0.0
Lowestoft	"	53	39	o. c	c	0.3	Weston-super-Mare						0.0
Felixstowe	0.02	50	40	m. o	cm	0.1							0.0
Camden Sq. (Brit. Rainfall)	"	49	42	o	o	0.0							0.0
Walton-on-Naze	"	47	40	o	o	0.0							0.0
Southend-on-Sea	0.01	47	40	o	o	0.0							0.0

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.						Max.	Min.
	24 HOURS ENDED 9 A.M. TO-DAY.																	
	%	%				In.				Hr.		In.						
Greenwich (Royal Obs.) ...	90	85	52	41	33	0.10	o	o	o.r.o	0.0	Dublin to 4 p.m.	0.03	49	46	42	pg	c.b	bc
City (Sunhill Row) ...	*	*	*	*	*	*	*	*	*	0.0	Plymouth to 9 p.m.	*	*	*	*	*	*	*
Westminster (St. James's Pl.)	96	87	52	46	40	0.12	o	o	o.r.bc	0.0	Darwen	*	*	*	*	*	*	bcg
Camden Sq. (Brit. Rainfall)	-	81	52	44	39	0.14	od	o	of.o	0.0	Manchester "	0.07	51	42	33	c.or.c	bc	cm
Hampstead (Reservoir) ...	*	87	49	44	38	0.17	orf	orf	orf	0.0	Birmingham "	0.03	51	41	34	r.o	o.c	c.o
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.															
			Total.		Average Rate.		Max. Rate.				S. Kensington	0.02	52	43	34	bc.o.or	o	o
S. Kensington (Roof of M.O.)	-	86	72 Joules.		2.1 Milliwatts.		6 Milliwatts.		0.0		(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

10th Feb. 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 7.22 12.7	G.M.T. 12.7 4.54	G.M.T. 4.52 12.7
Greenwich	7.26 12.14	12.14 4.54	4.52 12.14
Wick	8.0 12.26	12.26 4.54	4.51 12.26
Valencia	8.8 12.55	12.55 5.42	5.42 12.55

NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature passed 50° in many parts of this country and touched 56° at Bath and Nottingham, but in the north of Scotland Wick and Yarmouth had only 43°. Rain fell generally, 1 in. at Pembroke being the largest quantity. There had over 6 hours of bright sunshine, and rain 5 hours, nearly all other stations none or less than an hour. As far west as the 25th meridian ships experienced light to moderate southerly to westerly breezes during the first part of yesterday subsequently light to moderate south-easterly to north-easterly breezes, the weather changeable, misty or rainy 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.

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1913.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

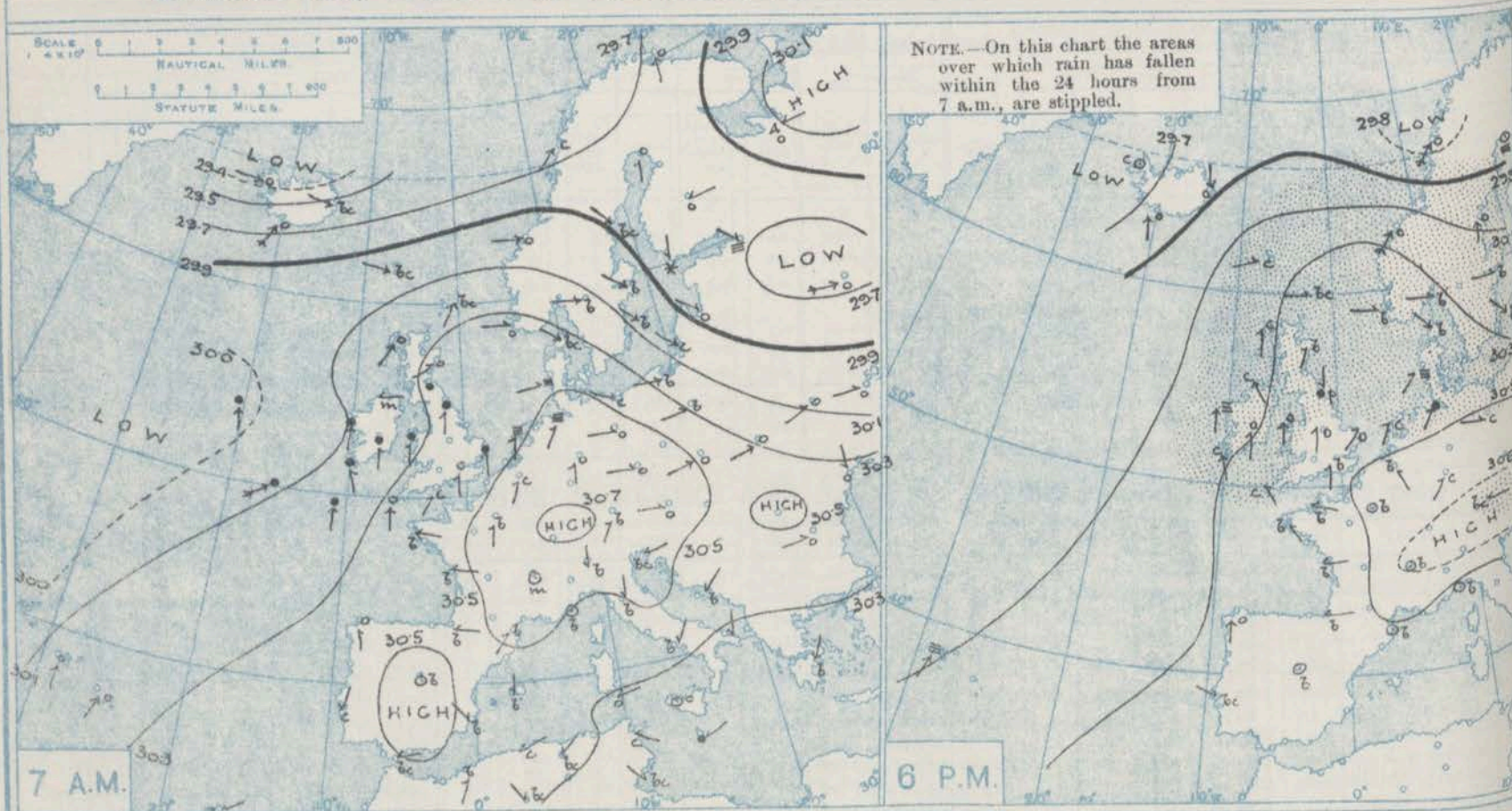
Tuesday,
11th February, 1913.

11th February, 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.	Dirac.	Force (0 to 12).		Weather.	At 32° Fahr. and M.S.L. Lat. 46°.	Change since 4 a.m.	Dry Bulb.						Change since Yester- day.	Dirac.	Force (0 to 12).	Weather.	Max.	Min.	
In. In.																						

* Information for these columns not usually received.

† Received too late for insertion in Charts.

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



GENERAL INFERENCE

WEATHER PROSPECTS.

A general increase of pressure is now in progress, and a quiet, anticyclonic

type of weather will prevail during the ensuing twenty-four hours.

FORECASTS FOR THE 24 HOURS NOON TUESDAY

TO NOON WEDNESDAY.

- 0 { ^a Fresh southerly winds, moderating;
^b some rain, fairer later; mild.
- 1 Calms and light variable
- 2 { ^a breezes; foggy to fair or fine;
^b
- 3 rather colder, night frost in
- 4 { ^a places.
^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.

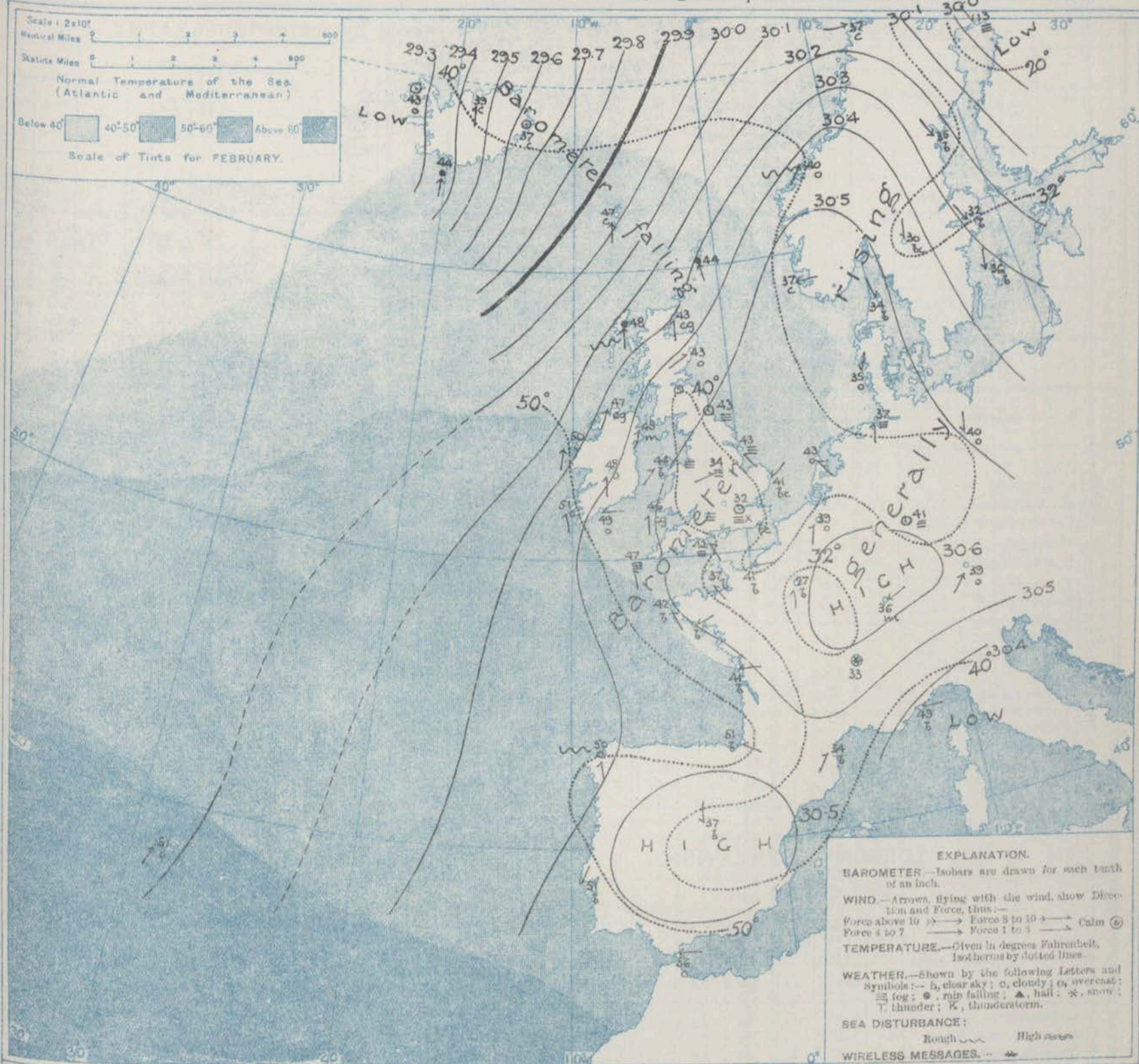
NO WARNINGS ISSUED.

- 6 { ^a Light variable southerly
^b breezes; fair to fine, fog in places; colder, local night frost.
- 7 { ^a Light south. Easterly breezes,
^b foggy to fair or fine; rather colder, some frost inland.
- 8 { ^a S.S. ind. between South-West
^b and South-East, generally light to moderate; fair to dull, some coast mist or fog; mild.
- 9 { ^a Light south. Easterly breezes;
^b smooth sea; foggy to fair or fine; moderate temperature.
- 10 { ^a Light south. Easterly breezes;
^b smooth sea; foggy to fair or fine; moderate temperature.

THE FURTHER OUTLOOK. (All Districts)

The anticyclonic type is likely to continue.

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



NOTES ON THE GENERAL SITUATION AT 7 A.M.

An anticyclonic system now embraces the British Isles and the Continental countries, the barometer being at 30.6 in. over Central Spain, Eastern France and Western Germany. In a depression between Iceland and Greenland the barometer is below 29.3 in. The gradient is slight generally, moderate in the neighbourhood of the Arctic Circle.

The winds show an anticyclonic circulation round the pressure maximum. Locally in the far west and north a fresh or strong breeze is reported, but as a rule calms and light breezes prevail. At the home stations

temperature ranges from 32° at Kew Observatory, to 51° at Valencia; on the Continent from 27° at Paris to 51° at Biarritz, and 56° at Gibraltar; in Scandinavia from 13° at Haparanda to 40° at Christiansund; and in Iceland from 37° to 43°. The weather varies considerably, fine and cloudless in many localities, overcast, dull or gloomy in others. Rain is falling at Stromway and Lonsvik, snow at Lyons, and the atmosphere is very foggy over a great part of England and at some of the German stations. The sea is rough off Christiansund rather rough on the north, moderate to very smooth elsewhere.

DAILY WEATHER REPORT.

Tuesday, 11th February, 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.	
10th 6pm.	49	13	Finland	O	30.18	-.05	SSW	4-5	c	10th 7am.	53	20	Caledonia	O	29.98	.00	SSE	4-5	r
" 7am.	50	16	Campania	O	?	-.03	WSSW	10-11	r	" "	49	10	Montrose	H	30.13	+.01	S	4-5	r

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

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scotland.	In.					Hr.	Margate ...	In.					Hr.
Oban ...	0.01	48	37	og.c.bc	b.bc	2.0	Ramsgate ...	0.04	51	45	by	bc	0.0
Stonhaven ...							Deal ...	0.01	49	43	op	bc	0.0
St. Andrews ...	0.08	43	34	m	bm	0.0	Folkestone ...	0.01	48	48	bc	bc	0.0
Carnoustie ...							Littlestone ...						2.0
England, N.E.							Hastings ...	0.02	51	44	op. bc	b	3.5
Harrogate ...	0.11	49	36	d.o	o	0.0	Bexhill-on-Sea ...	0.02	50	45	o.bc	bc.b.c	5.0
Scarborough ...		49	40	ogf	ogf	0.0	Eastbourne ...		52	42	b.bc	c.bc	4.0
England, N.W.							Seaford ...		53	42	o.b	b	4.0
Blackpool ...	0.24	50	37	or	o	0.0	Brighton ...	0.01	51	41	o.c.bc	bc.c	4.0
Southport ...	0.18	53	30	atm.c	a.bc	0.0	Worthing ...	0.01	51	43	o.b	b	3.0
Buxton ...	0.64	49	47	cr	c	0.0	Littlehampton ...						5.0
Matlock ...							Bognor ...						5.0
Douglas ...							Southsea ...		52	42	o.c.bc	b.bc	6.0
Wales.							Bournemouth ...		51	42	bc	b.bc	5.0
Rhyl ...	0.13	53	40	-	-	0.0	Weymouth ...	0.02	51	43	bc	b	6.0
Colwyn Bay ...	0.10	50	41	bc	bc	0.0	Teignmouth ...		53	44	bc.b	b	6.0
Llandudno ...	0.18	52	45	o	o	0.0	Torquay ...	0.01	52	42	b	b, bm	6.0
Bettws-y-Coed ...							Paignton ...		53	40	of. b	b	5.0
Aberystwyth ...	0.30	52	46	r.o	o.c	0.0	Ilfracombe ...	0.07	56	47	c.bc.b	b	3.0
England, E.							Weston-super-Mare ...	0.09	54	44	bc.b	b.bc	3.0
Lowestoft ...	0.10	51	42	o.c	c.o	0.0							
Felixstowe ...	0.09	49	43	em	bc	2.0							
Walton-on-Naze ...	0.15	48	43	bc	bc	1.4							
Southend-on-Sea ...	0.10	50	44	c.bc	bc	1.0							

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.																	
Greenwich (Royal Obsy.) ...	62	100	53	32	25	In.	o	bc	c.b.f.c	2.1	Dublin to 4 p.m.	0.08	55	41	37	or	og.c	bc		
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	0.0	Plymouth to 9 p.m.	-	56	43	31	bc	b.c.g	b.c		
Westminster (St. James's Pl.)	73	100	54	32	30	-	bc	bc	b.c.f.c	0.0	Darwen "	0.25	49	37	33	bc	or	bc		
Camden Sq. (Brit. Rainfall)	67	100	52	31	27	-	o	bc	b.c.m.f	0.0	Manchester "	0.32	53	42	32	a.c	or.c	b.c		
Hampstead (Reservoir) ...	*	86	51	38	26	-	d.of	bc	f.c.b.f	0.0	Birmingham "	0.30	50	44	39	r.c	c.o	a.b.c		
Kew. (See front page.)	VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.										Oxford to 8 p.m.									
Total.										Average Rate.		Max. Rate.								
S. Kensington (Roof of M.O.)	67	91	416 Joules.			12.0 Milliwatts.			22.5 Milliwatts.			0.0	S. Kensington (Museum Grounds to 6 p.m.)	0.12	53	46	32	om	om.c	cy. m

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

11th/12th Feb 1913.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	7.20	12.7	4.54
	7.18	12.7	4.56
Greenwich ...	7.24	12.4	5.4
	7.22	12.4	5.6
Wick ...	7.57	12.26	4.54
	7.55	12.26	4.57
Valencia ...	8.6	12.55	5.42
	8.4	12.55	5.46

NOTES ON YESTERDAY'S WEATHER.

Temperatures above 50° were registered in many parts of these islands during yesterday, 56° at Ilfracombe and Plymouth, 57° at Bath. Slight frost occurred in the night within the Thames watershed, while on the Kerry coast the minimum temperature was 50°. Small quantities of rain fell in most districts. The duration of bright sunshine was exceedingly variable, a number of stations having none, the records at others ranging up to as much as 7½ hours at Jersey. As far as the 20th meridian ships experienced southerly to easterly winds, fresh to a gale with rainy weather.

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

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

12.28.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Wednesday,
12th February, 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.
Lerwick	In.						In.	In.							In.						Hours
Stornoway	30.37	48	SSW	3	r		30.61	+0.1	41	-3	E	2	bc	2	0.05	49	36	cg	or	bc	*
Castlebay (Barra Is.)	30.42	48	SW	4	odp		30.56	0.0	46	-2	SE	2	r	2	0.19	48	42	odp	odp	odm	0.0
Malin Head	30.47	48	SW	4	d		30.55	0.0	47	-1	SE	4	o	4	0.08	49	46	od	d	dof	0.0
Blacksod Point	30.50	50	S	2	lcm		30.51	-0.1	45	-2	S	6	bcgm	1	-	51	43	om	cm	om	*
Valencia	30.46	49	S	4	m		30.50	-0.1	49	-1	S	5	o	4	-	51	45	om	om	om	*
Roche's Point	30.52	52	SSE	1	o		30.53	-0.2	46	-5	SSE	1	b	2	0.01	54	46	c	c	bc	0.2
Birr Castle	30.59	48	S	3	o		30.63	-	45	-4	SE	2	o	3	0.03	52	44	cm	b	b	*
Donaghadee	30.52	50	S	1	c		30.58	-	44	-4	SSE	2	o	*	-	56	43	c	c	o	2.9
Liverpool Obsy.	30.57	47	SSW	1	bc		30.63	0.0	44	-1	SSE	2	m	1	Trace	51	44	bc	bc	of	*
Holyhead	30.65	44	SW	1	o		30.70	+0.2	41	+2	ENE	2	f	1	Trace	52	39	bm	bo	o	6.7
Pembroke (St. Ann's Hd.)	30.61	46	SSW	4	o		30.67	+0.1	40	-4	SE	2	f	1	0.01	48	40	om	om	f	0.0
Newquay	30.62	43	N	2	f		30.66	+0.2	37	-9	E	1	f	2	Trace	47	37	cg	f	f	0.0
Silly (St. Mary's)	30.59	45	NW	2	of		30.64	+0.1	38	-7	E	1	bx	3	-	48	35	of	b	of	3.8
Jersey (St. Aubin)	30.55	47	ESE	3	bm		30.60	+0.1	47	0	ESE	2	bm	3	Trace	49	43	fe	bm	bm	1.1
Portland Bill	30.59	51	ESE	2	bm		30.64	-	41	+4	E	2	bm	2	-	60	35	bm	bm	bm	8.0
Dungeness	30.59	43	ESE	2	f		30.63	+0.1	41	-1	ENE	2	b	3	Trace	49	38	of	f	f	*
Dover	30.59	46	NNE	2	bc		30.64	+0.1	32	-7	N	2	fx	2	-	52	31	b	bc	cf	*
Wick	30.64	43	-	0	b		30.70	-	40	0	N	2	f	3	Trace	56	34	b	b	bm	5.7
Nairn	30.45	47	WSW	2	c		30.60	+0.1	44	+1	-	0	o	2	0.13	50	42	cm	bm	bc	*
Aberdeen	30.48	48	WSW	1	c		30.59	-	46	+4	-	0	o	1	0.01	52	41	bc	bc	p	2.8
Leith	30.52	44	W	1	b		30.63	+0.1	38	-5	SW	1	b	2	-	50	38	ob	bc	bc	2.9
North Shields	30.55	49	WNW	1	m		30.65	+0.2	35	-5	SSE	1	bf	*	Trace	53	34	f	bc	o	*
Spurn Head	30.59	48	SW	3	bc		30.70	+0.1	42	-1	S	1	fe	2	-	55	40	f	c	bc	4.9
Yarmouth	30.61	43	SSE	2	m		30.68	+0.1	36	-7	W	3	f	4	Trace	49	36	cm	cm	f	*
Clacton-on-Sea	30.62	43	E	1	b		30.68	+0.3	36	-5	-	0	b	0	-	48	35	bm	b	bf	5.7
Nottingham	30.60	44	ESE	1	by		30.68	+0.2	35	-5	E	1	f	0	-	48	33	bc	bm	bm	5.8
Bath	30.62	38	WSW	1	f		30.71	-	33	-1	SW	1	fe	*	0.01	49	31	f	m	fe	2.2
London (Kew Obsy.)	30.62	44	-	0	b		30.70	-	31	-2	-	0	f	*	0.01	49	30	-	-	-	4.2
Isafjord	30.62	44	-	0	bm		30.69	+0.2	34	+2	-	0	f	*	Trace	52	30	bc	bf	bm	5.4
Reykjavik	29.47	33	W	9	c		29.74	-18	35	-8	SW	7	c	*	-	-	-	-	-	-	
Vestmanna	29.72	35	S	6	c		29.56	-27	38	-3	SE	9	r	*	-	-	-	-	-	-	
Seydisfjord	29.90	37	SW	9	bc		29.76	-21	42	-2	SE	10	r	4	-	-	-	-	-	-	
Thorshavn	29.69	43	WNW	8	b		30.11	-0.5	34	-3	-	0	o	*	-	-	-	-	-	-	
Haparanda	30.17	47	WNW	7	c		30.49	-0.2	37	-10	-	0	bc	*	-	-	-	-	-	-	
Hernösand	30.33	10	N	2	b		30.20	-0.8	12	-1	SE	4	o	*	-	16	1	-	-	-	
Stockholm	30.46	30	NW	2	b		30.43	-0.3	29	-6	-	0	c	*	-	39	23	-	-	-	
Wisby	30.48	32	NNW	2	b		30.50	0.0	29	-3	W	2	o	*	-	39	25	-	-	-	
Karlstad	30.49	36	N	4	b		30.50	+0.1	34	-2	N	2	b	*	-	37	34	-	-	-	
Færder (X'ania Fjord)	30.57	32	-	0	c		30.51	0.0	30	0	-	0	bc	*	-	39	28	-	-	-	
Bodö	30.56	35	S	1	o		30.52	+0.1	33	-1	NNE	2	m	1	-	36	32	-	-	-	
Christiansund	30.30	33	E	2	b		30.11	+0.2	39	+2	WSW	7	c	4	0.08	39	32	-	-	-	
Skudesnaes	30.37	43	-	0	o		30.57	+0.6	42	+2	WSW	2	o	6	0.20	45	37	-	-	-	
The Scaw (Skagen)	30.40	40	ESE	4	o		30.60	0.0	40	+3	E	2	o	1	-	41	36	-	-	-	
Blaavands Huk	30.60	37	W	2	o		30.51	-0.1	39	+5	W	2	f	0	-	41	32	-	-	-	
Cuxhaven	30.68	35	WSW	1	b		30.63	0.0	38	+3	W	1	f	1	-	41	31	-	-	-	
The Helder	30.66	37	E	1	m		30.65	0.0	33	-4	S	2	f	*	-	39	32	-	-	-	
Brussels	30.67	43	ESE	1	f		30.69	+0.2	42	-1	ESE	1	f	0	-	43	41	-	-	-	
Berlin	30.62	41	ENE	1	b		30.67	+0.4	37	-2	NE	1	o	*	-	51	34	-	-	-	
Frankfurt	30.62	41	N	3	bc		30.64	+0.1	37	-3	N	2	o	*	-	46	34	-	-	-	
Munich	30.64	45	-	0	o		30.67	+0.1	35	-4	E	1	f	*	-	52	34	-	-	-	
C. Gris Nez	30.63	39	SE	2	bc		30.68	+0.1	31	-8	SW	1	f	*	0.12	45	28	-	-	-	
La Hève	30.63	51	E	1	bc		30.65	+0.1	44	+2	NNE	2	f	2	Trace	52	39	-	-	-	
Brest (St. Mathieu)	30.55	53	E	1	f		30.61	-	41	0	NE	1	f	0	-	59	41	-	-	-	
Lorient (Bec Meles)	30.56	50	NW	2	b		30.62	0.0	45	+3	E	1	b	3	-	57	41	-	-	-	
Rochefort (Ile d'Arx)	30.47	51	E	3	b		30.56	-	46	+5	NE	2	b	2	-	54	39	-	-	-	
Biarritz	30.51	50	NNW	1	b		30.51	-	41	0	ENE	3	b	*	-	61	41	-	-	-	
Paris	30.49	52	E	1	b		30.48	-	50	-1	SSW	3	c	2	-	61	46	-	-	-	
Belfort	30.60	37	NNE	2	b		30.61	+0.1	32	+5	N	2	b	*	-	46	27	-	-	-	
Lyons	30.56	45	E	2	m		30.60	-	32	-4	ENE	7	f	*	-	52	32	-	-	-	
Nice	30.52	48	NNW	2	b		30.50	-	41	+8	-	0	bc	2	-	63	46	-	-	-	
Perpignan	30.29	52	-	0	b		30.33	+0.2	49	0	-	0	b	*	-	67	34	-	-	-	
Sanguinaire	30.34	61	NW	3	b		30.35	+0.2	55	+21	NW	3	b	2	-	85	45	-	-	-	
Corunna (S. a.m.)	30.33	51	N	2	m		30.28	-	50	0	NE	1	m	2	-	85	45	-	-	-	
Lisbon (S. a.m.)	30.50	53	SSE	3	o		30.50	0.0	50	0	SW	3	o	6	-	63	46	-	-	-	
Gibraltar	30.46	55	N	4	b		30.43	-0.1	52	+1	N	1	o	5	-	63	50	-	-	-	
Azores (P. Delgada)																					
Azores (Horta)	29.99	59	SW	6	r		30.17	+0.9	55	-6	WNW	3	r	4							

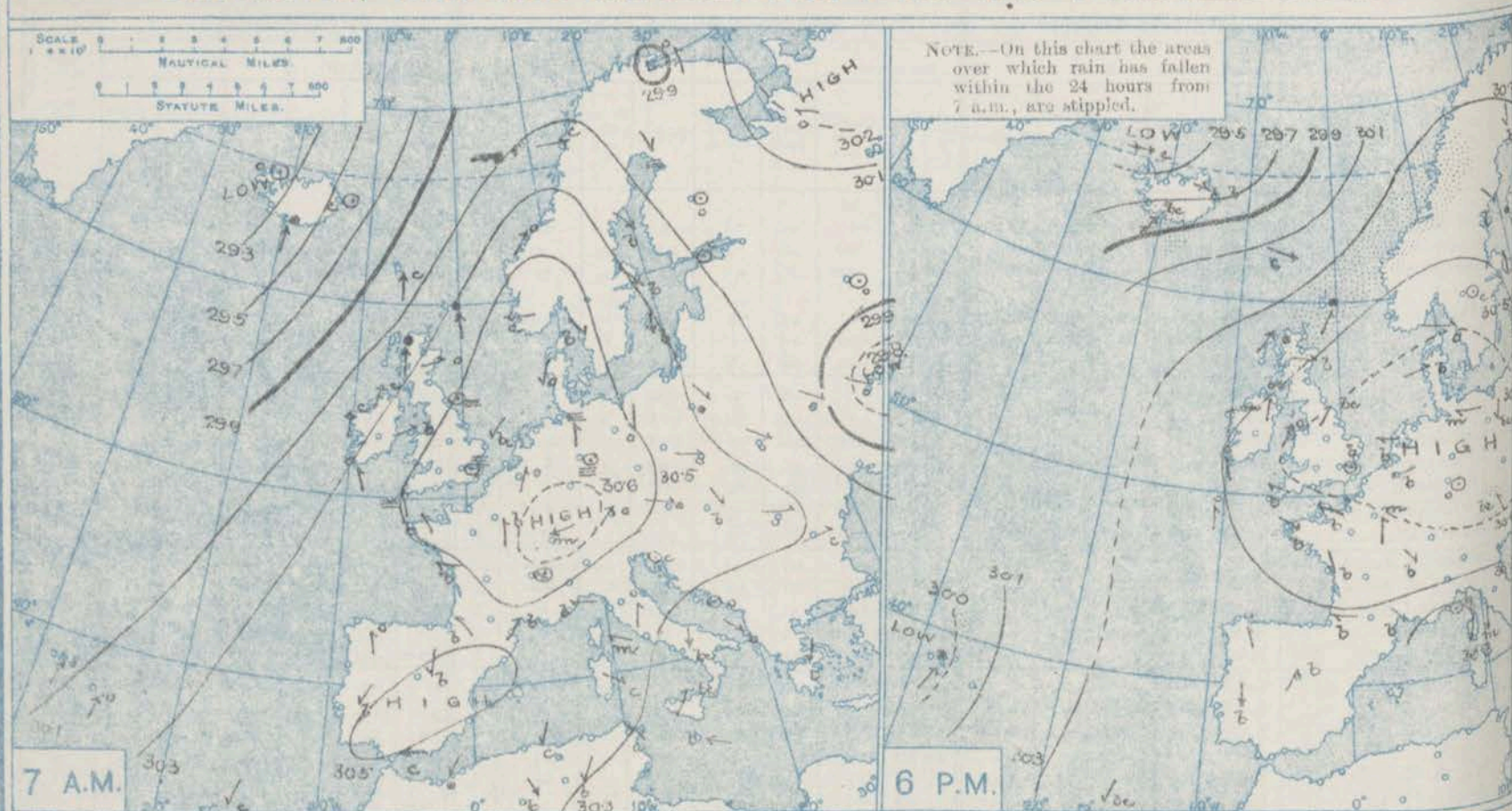
GALES.

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. 11th FEBRUARY,



GENERAL INFERENCE

WEATHER PROSPECTS.

A depression near Iceland will affect our extreme western coasts to a slight

extent, but generally the conditions will remain of a quiet, anticyclonic type.

FORECASTS FOR THE 24 HOURS NOON WEDNESDAY TO NOON THURSDAY.

- 0 {^a S.E. breezes, freshening somewhat; changeable, rain at times, mild
^b
- 1 Calms and light variable
- 2 {^a breezes; much fog in many
^b places, some fair to fine periods;
- 3 cold in fog, milder in breaks.
- 4 {^a
^b
- 5

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

NO WARNINGS ISSUED.

- 6 {^a
^b
- 7 {^a Same as Nos 1 to 5.
^b
- 8 {^a
^b
- 9 {^a S. and S.E. breezes, fresh at
^b times locally; weather variable,
fine to dull and misty, slight local
showers; mild.
- 10 {^a
^b

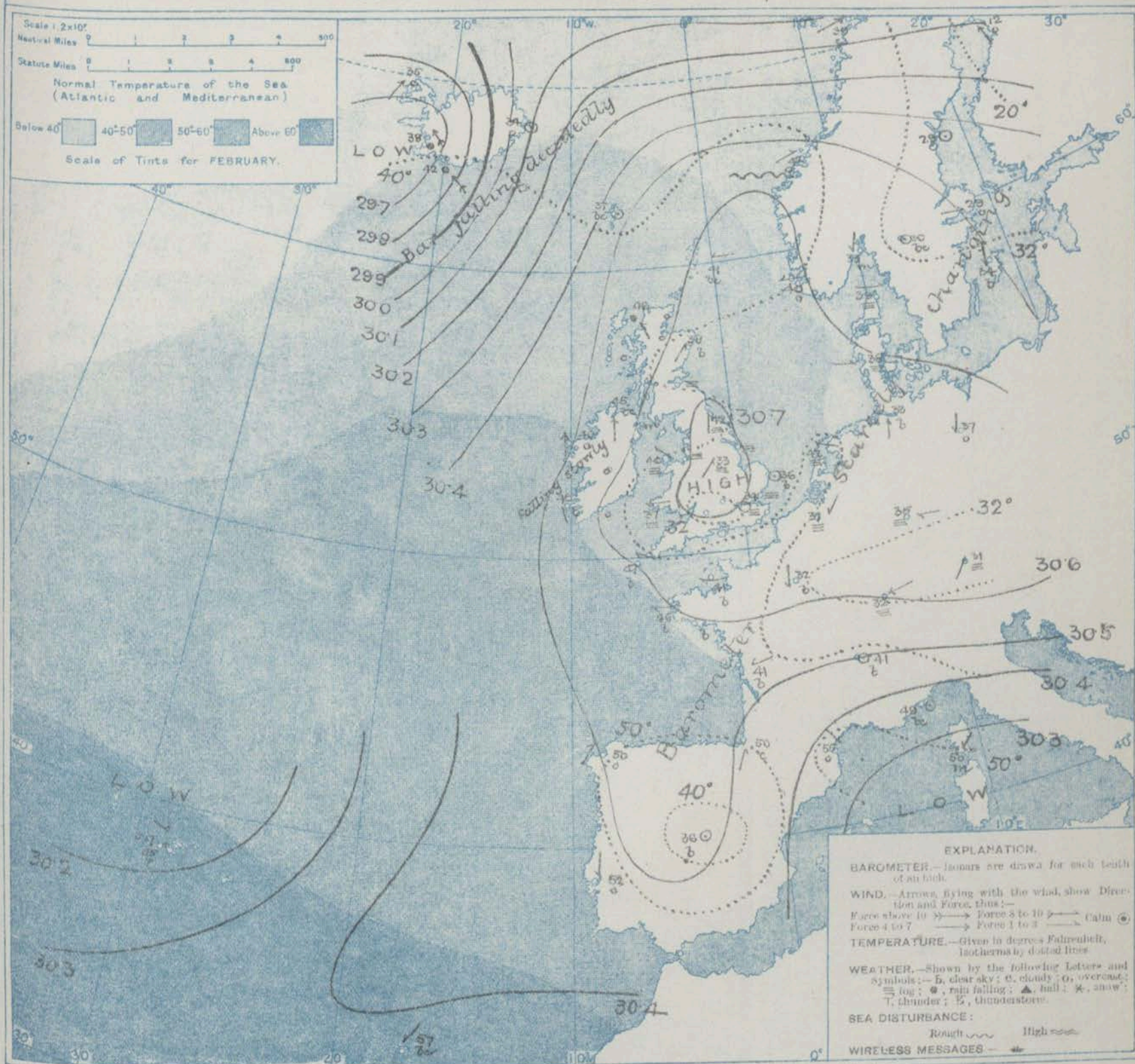
11 WESTERN CHANNEL AND BAY.

Calms and light to variable breezes, mainly E.; smooth sea; foggy to fine; moderate temperature.

THE FURTHER OUTLOOK. (All districts)

Similar weather likely to continue.

SYNOPTIC CHART FOR 7 A.M. WEDNESDAY, 13TH FEBRUARY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

A great anticyclone now embraces practically the whole of Europe, and extends out to the Azores region. Its central space, with the barometer at 30 $\frac{1}{4}$ in., lies over the west and north of England. Pressure is decreasing rapidly over Western Iceland, and it is now about 29 $\frac{1}{2}$ in. off the coast. The gradient is steep within the disturbance, elsewhere it is very slight.

A severe South-Easterly gale is blowing over South-Western Iceland, but over our area generally calms and light variable breezes prevail. Over the British Isles temperature

ranges from 31° at Bath to 49° at Blackhead Point, on the Continent from 31° at Munich to 55° at Perpignan; in Scandinavia from 12° at Haparanda to 42° at Christiansund; and in Iceland from 34° to 42°. The weather is fine and clear over Southern and Western France, and in a few isolated situations elsewhere. Rain is falling at Stromaway and in Southern Iceland, but the feature of the morning is an extensive fog area which covers nearly the whole of England and Wales and extends eastward as far as Bavaria and Northern Denmark. The sea is slight to very smooth on nearly all home and foreign coasts.

DAILY WEATHER REPORT.

Wednesday, 12th February, 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.	49	10	Manitou	0	30.46	+0.2	S	4-5	0										

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

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun-shine to 6 p.m.			STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun-shine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.							Max.	Min.	Forenoon.	Afternoon.	
Scotland.	Oban	In.					Hr.	England, S.E.	England, S.E.	Margate	In.						Hr.
	Stonehaven									Ramsgate							
	St. Andrews									Deal							
	Carnoustie									Folkestone							
	Hatfield									Littlestone							
England, N.E.	Scarborough		50	39	m.f.m.	b.c.m.	0.0			Hastings			54	41	b	b	6.6
	Blackpool		55	40	a.c.b.	a.c.b.	4.6			Bexhill-on-Sea			54	39	b	b	6.0
	Southport		52	39	m	b.c.	5.0			Eastbourne			53	33	b.c.f.	b.b.c.	6.1
	Buxton		53	35	a.b.c.b.	b.o.	5.3			Seaford			52	36	b	b	7.0
	Matlock	0.01	57	32	b.m.	b	5.3			Brighton			51	35	f.b.	b.f.	7.3
England, N.W.	Douglas							England, S.W.	England, S.W.	Worthing			54	35	m.b.	b	7.3
	Rhyl	0.02	54	36			7.0			Littlehampton							7.4
	Colwyn Bay		52	39	m.b.	b.m.	7.6			Bognor							
	Llandudno		46	42			6.7			Southsea			50	34	f.o.b.	b.o.f.	5.3
	Bettws-y-Coed									Bournemouth	0.01		46	33	f	f	0.0
Wales.	Aberystwyth		48	39	a.b.c.	a.o.	7.0			Weymouth			46	35	w.m.e.	f	0.0
	Lowestoft		51	41	b	b	6.7	England, S.W.	England, S.W.	Teignmouth			47	35	f	b.c.m.	0.0
	Felixstowe		50	34	b.f.	b.f.	5.7			Torquay			48	36	o	a.b.c.b.	1.6
	Walton-on-Naze		48	37	m.b.c.b.	b.m.	4.3			Paignton			48	35	f.o.b.	b.f.	1.9
	Southend-on-Sea		53	38	b.c.b.	b.m.	3.0			Ilfracombe			48	38	3.w.b.	b.3.w.f.	8.1
										Weston-super-Mare			45	34	f.b.c.	b.f.	1.5

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.	2 a.m. To-day.	In Screen.		Min. on Grass.		Fore-noon.	After-noon.	Night.				In Screen.	Night Min. on Glass.	Night.	Fore-noon.	After-noon.					
			Max.	Min.		Max.												Min.				
			24 HOURS ENDED 9 A.M. TO-DAY.																			
%	%				In.				Hr.	In.								Hr.				
Greenwich (Royal Obs.) ...	69	100	53	30	23	-	b f	b f	f x	3.6	Dublin to 4 p.m.	-	52	41	38	b w	b g w c	b m				
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	0.0	Plymouth to 9 p.m.	-	51	35	28	b g	b c g	b w	7.7			
Westminster (St. James's Pk.)	79	100	52	31	31	-	b	b	f	2.0	Darwen "	0.01	55	38	34	b c	r m	o f	5.0			
Camden Sq. (Brit. Rainfall)	64	100	52	31	26	-	c m b	b	b f	4.7	Manchester "	-	55	38	29	b f	b f	b f	0.7			
Hampstead (Reservoir) ...	*	99	54	33	25	-	b f	b c	f x	6.5	Birmingham "											
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETER DURING YESTERDAY.										Oxford to 8 p.m.									
			Total.		Average Rate.		Max. Rate.															
S. Kensington (Roof of M.O.)	65	99	600 Joules.		13.7 Milliwatts.		24 Milliwatts.		1.3	S. Kensington (Museum Grounds to 6 p.m.)	-	53	37	24	c b f	f b f	b m b f					

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.

12th 13th February, 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 7.18 12.7	G.M.T. 12.7 12.7	G.M.T. 4.56 4.58
Greenwich	7.22 12.14	12.14 12.14	5.6 5.8
Wick	7.54 12.26	12.26 12.26	4.57 5.0
Valencia	8.4 8.2	12.55 12.55	5.46 5.48

During yesterday temperature was well above the normal over the British Isles, touching 56° at Dover and Bir Castle, 57° at Buxton, and 60° at Jersey. In the night there was slight frost over Central and Southern England. A little rain was experienced locally. The duration of bright sunshine was again extremely variable, the records ranging from none in some places to 8 hours at Jersey and Ilfracombe. A great deal of fog was experienced at numerous stations.

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.

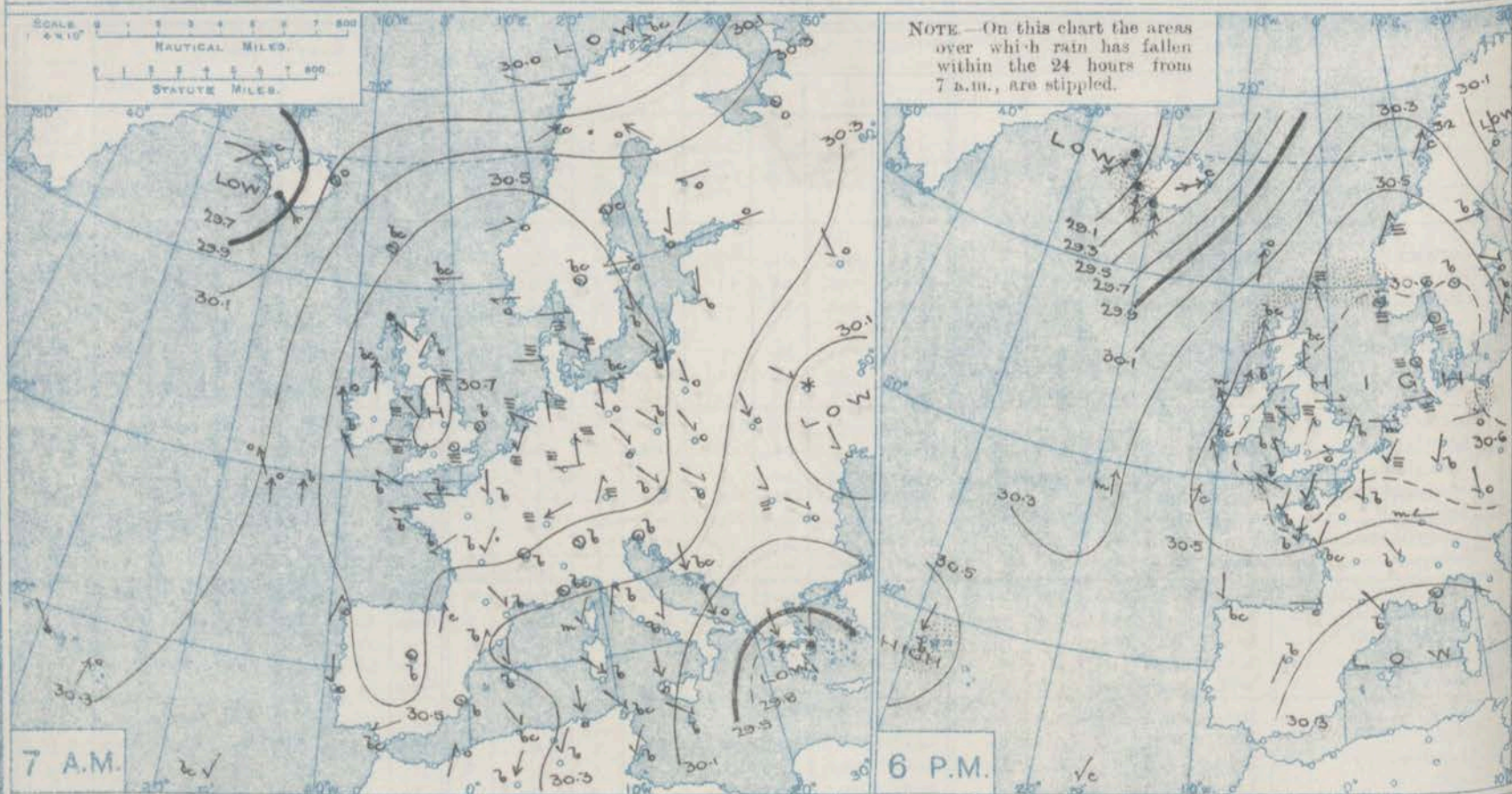
12-27
13th February, 1913.

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).		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'n. 1 p.m. to 6 p.m.	Night, 6 p.m. to 7 a.m.			
		In.					In.	In.							In.						Hours		
Lerwick ...		30.51	45	SSE	2	f	30.42	-0.1	44	+3	SSE	1	b	0	0.02	45	40	f	f	f-bc	*		
Stornoway ...		30.46	47	SSW	6	bc	30.42	-0.2	45	-1	S	5	o	4	0.01	48	45	o	bc	bc-o	0.0		
Castlebay (Barra Isd.) ...		30.50	46	SE	4	bcw	30.44	-0.2	46	-1	S	3	d	4	Trace	47	45	o-o	o-bm	bcw-o	0.0		
Malin Head ...		30.48	45	SSW	4	bq	30.45	-0.1	38	-7	SSW	2	bg	1	-	53	38	bg	bg	bg	*		
Blacksod Point ...		30.48	48	SSE	5	m	30.42	-0.1	48	-1	SSW	5	o	4	-	49	46	cm	om	om	*		
Valencia ...		30.54	46	SSE	5	bcy	30.50	0.0	45	-1	SSE	3	bc	4	-	50	43	bcy	bcy	bc	5.6		
Roche's Point ...		30.62	47	S	3	c	30.55	*	44	-1	NW	1	o	2	-	48	43	cgm	cgm	c-o	*		
Birr Castle ...		30.57	44	S	1	bc	30.48	*	36	-8	SSE	2	bc	*	-	51	35	c	bc	bc	4.2		
Donaghadee ...		30.60	43	S	2	f	30.51	-0.2	40	-4	S	2	f	1	Trace	45	39	of	of	of	*		
Liverpool Obsy. ...		30.65	42	W	1	f	30.56	+0.2	33	-8	SE	2	f	1	-	48	30	f	bm	f	4.0		
Holyhead ...		30.62	41	SE	3	f	30.54	-0.2	44	+4	NW	2	o	1	Trace	44	38	fw	f	fw	*		
Pembroke (St. Ann's Hd.) ...		30.65	45	SE	1	b	30.57	0.0	41	+4	ESE	1	f	1	Trace	50	36	f	bm	bm	5.5		
Newquay ...		30.62	42	E	2	f	30.57	0.0	41	+3	SE	3	cm	3	-	53	35	b	b-bc	bf	8.2		
Scilly (St. Mary's) ...		30.60	46	ESE	3	bm	30.55	0.0	44	-3	SE	4	bcp	4	0.01	53	42	fe	bm	bm	7.0		
Jersey (St. Aubin) ...		30.63	49	NE	1	cm	30.58	*	43	+2	ESE	2	of	2	Trace	53	40	debm	bm	om-wf	6.5		
Portland Bill ...		30.66	46	SE	2	b	30.59	-0.1	43	+2	SE	2	o	3	-	50	38	bm	bm	bm-cd	*		
Dungeness ...		30.64	47	ENE	3	o	30.58	-0.1	44	+2	E	1	o	1	-	48	42	f-o	c-o	c-o	*		
Dover ...		30.68	45	NNE	1	o	30.63	*	44	+4	-	0	b	2	Trace	46	40	fo	o	o	0.0		
Wick ...		30.49	42	SSW	2	bc	30.44	-0.1	42	-2	-	0	bc	2	-	45	36	omfc	c-bm	b	*		
Nairn ...		30.50	46	-	0	bc	30.43	*	43	-3	W	2	c	1	Trace	52	36	zbc	bcy	bc	2.2		
Aberdeen ...		30.53	46	S	2	bc	30.45	-0.1	36	-2	W	1	c	2	-	50	34	bcy	c-bm	b-bc	0.6		
Leith ...		30.60	45	-	0	o	30.51	-0.1	39	+4	-	0	c	*	-	51	34	f. zbc	bcy	o c	*		
North Shields ...		30.63	46	W	3	cy	30.52	-0.2	36	-6	W	2	fe	2	-	52	34	f c	c o	cy-fe	0.8		
Spurn Head ...		30.63	43	ESE	2	fe	30.55	-0.1	34	-2	WSW	3	fe	4	0.01	48	33	f	f	fe	*		
Yarmouth ...		30.65	46	SW	1	b	30.58	-0.2	39	+3	S	1	f	1	-	48	35	bf	bf	bf of	1.0		
Clacton-on-Sea ...		30.66	45	-	0	cm	30.59	-0.3	41	+6	S	1	o	0	Trace	47	33	fe-om	ogm	og	0.0		
Nottingham ...		30.65	34	SW	1	f	30.58	*	30	-3	W	1	fe	*	Trace	38	29	fe	f	fe	0.0		
Bath ...		30.67	41	-	0	b	30.61	*	32	+1	-	0	f	*	-	50	29	-	-	-	0.0		
London (Kew Obsy.) ...		30.69	43	WSW	1	om	30.60	-0.1	36	+2	SW	1	of	*	Trace	43	32	f	form	ogm	0.0		
Isafjord ...		29.06	48	SW	9	f	29.22	+1.9	33	-2	W	9	o	*	*	*	*	GALES. Duration and Extreme Force on British Coasts.					
Reykjavik ...		29.10	45	S	8	f	29.59	+1.2	36	-2	SW	7	b	*	*	*	*						
Vestmanna ...		29.30	47	SSE	8	f	29.77	+1.1	36	-6	SW	6	b	4	*	*	*						
Seydisfjord ...		29.43	58	WNW	8	c	29.71	+1.0	40	+6	WSW	6	bc	*	*	*	*						
Thorshavn ...		30.23	49	SSW	6	o	30.18	0.0	48	+1.1	S	4	o	*	*	*	*						
Haparanda ...		30.07	28	N	2	o	30.32	+0.4	10	-2	N	2	bc	*	-	28	10						
Hernösand ...		30.38	36	W	2	b	30.39	-0.1	27	-2	W	2	b	*	-	43	27						
Stockholm ...		30.41	34	WNW	2	o	30.39	-0.1	31	+2	NW	2	b	*	-	37	28						
Wisby ...		30.48	34	WSW	2	b	30.36	-0.1	36	+2	NNE	4	b	*	-	37	32						
Karlstad ...		30.60	30	-	0	b	30.48	-0.4	23	-1	ENE	2	b	*	-	39	21						
Färder (X'ania Fjord) ...		30.59	35	SW	1	b	30.46	-0.6	29	-4	-	0	m	1	-	36	28						
Bodö ...		30.31	40	SW	6	c	30.28	-0.1	39	0	S	4	o	2	3.15	41	37						
Christiansund ...		30.52	35	SW	1	f	30.45	-0.1	38	-4	-	0	o	5	-	42	34						
Skudesnaes ...		30.61	39	-	0	f	30.53	-0.1	40	0	SSE	2	f	1	0.04	41	36						
The Scaw (Skagen) ...		30.62	32	-	0	f	30.50	-0.4	33	-6	-	0	f	0	-	39	27						
Blaavands Huk ...		30.63	38	-	0	f	30.58	-0.2	36	-2	-	0	f	0	-	39	36						
Cuxhaven ...		30.63	40	W	1	f	30.55	-0.5	40	+7	W	2	f	*	-	41	33						
The Helder ...		30.66	41	W	1	m	30.59	-0.3	42	0	S	1	m	0	-	43	41						
Brussels ...		30.67	39	NE	1	f	30.61	-0.1	37	0	ESE	1	f	*	Trace	45	36						
Berlin ...		30.60	41	W	2	o	30.48	-0.2	39	+2	NW	3	o	*	Trace	45	37						
Frankfurt ...		30.63	37	NE	1	b	30.58	-0.2	33	-2	NE	1	f	*	-	48	30						
Munich ...		30.63	33	N	2	o	30.60	-0.2	27	-4	SW	2	bc	*	-	39	27						
C. Gris Nez ...		30.65	45	NE	3	o	30.61	-0.1	40	-4	E	3	f	2	Trace	48	39						
La Hève ...		30.63	43	NE	1	f	30.57	*	37	-4	NE	1	f	0	-	50	34						
Brest (St. Mathieu) ...		30.61	50	NE	2	b	30.55	-0.2	39	-6	ESE	3	m	3	-	57	37						
Lorient (Bec. Melen) ...		30.55	50	NNE	2	b	30.44	*	43	-3	NE	3	b	3	-	54	37						
Rocheport (Ile d'Aix) ...		30.47	48	NE	3	bc	30.43	*	41	0	ENE	4	bc	*	-	57	37						
Biarritz ...		30.42	52	W	3	o	30.34	*	48	-2	SSW	3	c	2	-	54	46						
Paris ...		30.58	42	N	4	b	30.56	-0.1	38	+6	N	3	o	*	-	48	32						
Belfort ...		30.54	40	E	3	m	30.55	*	30	-2	ENE	5	m	*	-	47	30						
Lyons ...		30.39	47	NW	2	b	30.43	*	34	-7	NNW	2	b	*	-	53	33						
Nice ...		30.24	49	-	0	b	30.35	+0.4	44	-5	E	5	o	5	-	63	43						
Perpignan ...		30.25	59	NW	3	b	30.32	+0.1	43	-12	-	0	b	*	-	68	42						
Sanguinaire ...																							
Corunna (8 a.m.) ...		30.45	55	N	3	bc	30.35	0.0	43	-7	NE	1	f	2	-	57	37						
Lisbon (9 a.m.) ...																							
Gibraltar ...		30.31	52	-	0	b	30.20	*	49		W	2	cm	1	-	62	46						
Azores (P. Delgada) ...																							
Azores (Horta) ...		30.53	51	NNE	4	b	30.56	0.0	50	-5	NE	4	b	3	0.04	59	50						
Madeira (Funchal) ...		30.34	62	NE	2	c	30.36	0.0	57	0	NE	2	c	2	-	64	46						

* Information for these columns not usually received.

† Received too late for insertion in Charts.

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



GENERAL INFERENCE

The barometer exhibits a very slight downward tendency, but there are no

WEATHER PROSPECTS.

indications of an important modification in the general weather conditions.

FORECASTS FOR THE 24 HOURS NOON THURSDAY TO NOON FRIDAY.

- 0 { S.E. breezes, fresh at times locally; fair or fine, to dull, some showers; mild.
- 1 { Calms and light variable S.E. breezes; cloudy to dull, some mist or fog; variable temperature.
- 2 {
- 3 { Calms and light variable airs;
- 4 { S.E. to misty or foggy, some fair intervals; variable
- 5 { temperature, night frost locally.

FORECAST DISTRICTS.



STORM WARNINGS.

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

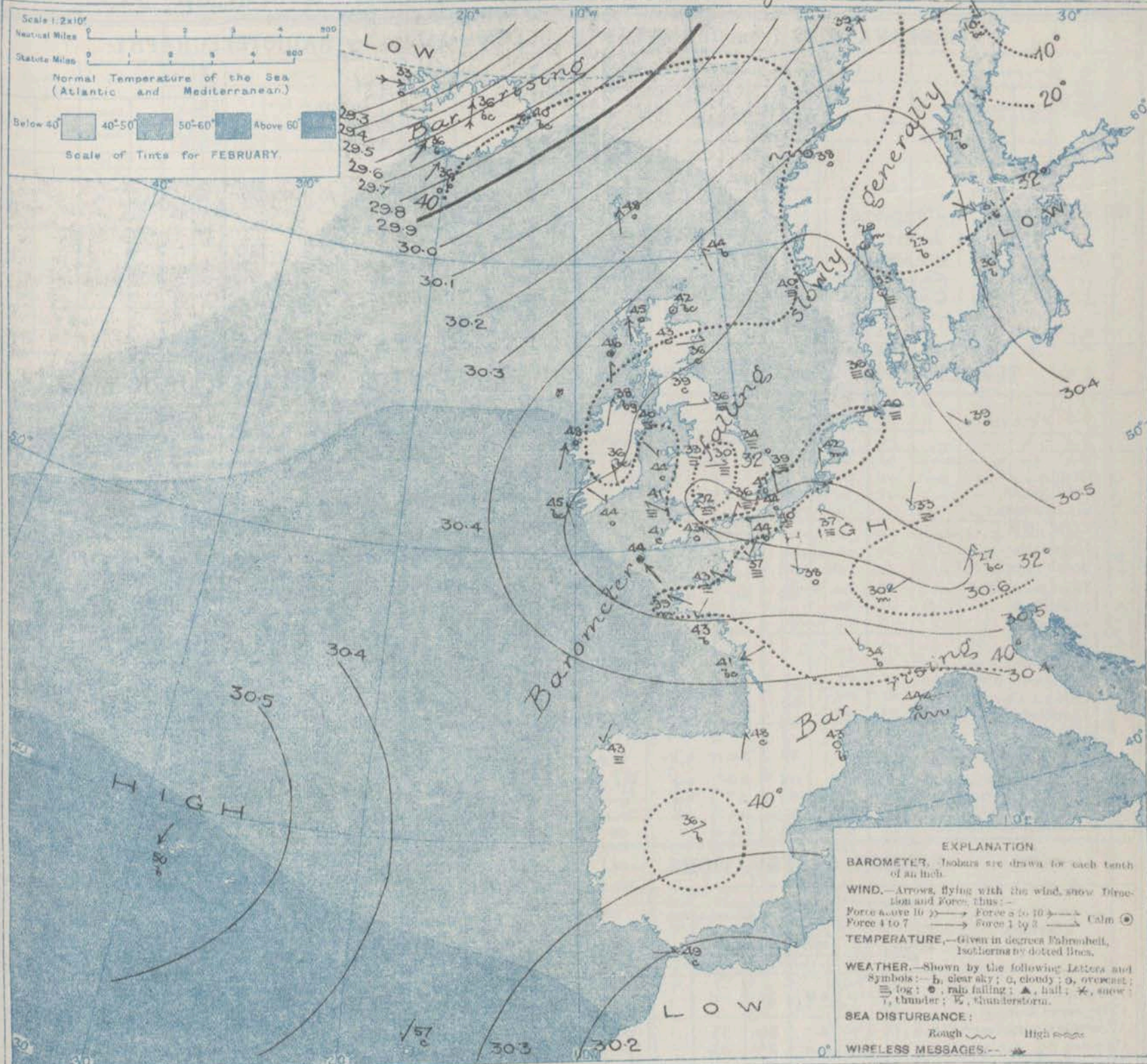
NO WARNINGS ISSUED.

- 6 { Same as Nos. 1 & 2
- 7 {
- 8 { light S.E. breezes; dull to misty or foggy, some fair intervals; moderate temperature.
- 9 { S.E. to S.W. breezes, mostly light; fair to dull, local mist or fog; moderate temperature.
- 10 {
- 11 WESTERN CHANNEL AND BAY. light variable breezes, mainly S.E.; smooth sea; much fog, some fair intervals; moderate temperature.

THE FURTHER OUTLOOK (All districts).

Quiet, anticyclonic weather continuing.

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



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The distribution of pressure has undergone little alteration within the past 24 hours. An anticyclone still occupies Europe, the barometer being above 30.6 in. from the Severn to Bavaria. Another anticyclone is forming in the Azores region, where pressure has risen above $30\frac{1}{2}$ in. In a depression between Iceland and Greenland the barometer is at 29.2 in. The gradient is rather steep in the Iceland region, very slight elsewhere.

A S.^{ly} to SE.^{ly} gale or strong gale is

blowing along the north of Iceland, but over Europe generally calms and light variable anticyclonic breezes prevail. Over the British Isles temperature ranges from 30° at Nottingham to 48° at Blacksod Point; on the Continent from 27° at Munich to 49° at Gibraltar; in Scandinavia from 10° at Haparanda to 40° at Skudesnaes, and in Iceland from 33° to 40° . Throughout the region under observation the weather varies from fine and clear to overcast, dull and gloomy, with slight showers at Castlebay and Sully. Fog is again very prevalent between the northwest of Spain and the south of Norway, in places dense and wet.

DAILY WEATHER REPORT.

Thursday, February 12th 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- Outward. H- Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- Outward. H- Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
12th. 6pm.	49	17	Manitou	O	30.21	-0.03	S	6-7	m										
" "	49	11	Lapland	H	30.55	+0.05	SSW	4-5	c										
" 7am.	49	14	Manitou	O	30.36	-0.06	S	4-5	b										
" "	49	18	Lapland	H	30.35	+0.06	S	4-5	o										
" "	50	16	Carmaria	H	30.29	+0.14	SSE	4-5	o										

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

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scotland	In.					Hr.	Margate ...	In.					Hr.
Oban ...							Ramsgate ...		4.5	32	f, o, f	f	0.0
Stonehaven ...							Deal ...		5.0	33	"	"	0.0
St. Andrews ...							Folkestone ...		4.5	33	f	ogm	0.0
Carnoustie ...		52	35	b	b	3.5	Littlestone ...		4.8	38	f, b, c	c	0.0
England, N.E.							Hastings ...		4.8	39	o	o	0.0
Hatfield ...		49	35	b, b, c	b, b, c	8.7	Bexhill-on-Sea ...		5.0	38	f, g	c	0.0
Scarborough ...		53	38	o, c	o, c	6.7	Eastbourne ...		4.7	31	o, b, c	b, c, o	0.0
England, N.W.							Seaford ...		4.8	33	b, o	o	0.0
Blackpool ...		4.5	39	o, f	b, o, f	1.7	Brighton ...		4.8	34	f, c, o	o, c	0.0
Southport ...		4.7	38	o, f, b, c	b, f, b, c	2.2	Worthing ...		4.8	33	b, c	b, c, o	2.2
Buxton ...		5.7	29	m, x, b	b, c	4.1	Littlehampton ...						2.1
Matlock ...							Bognor ...						
Douglas ...							Southsea ...		4.9	30	f, b, g	b, g	2.1
Wales.							Bournemouth ...	0.01	5.0	31	f, b, c	c, o	5.9
Rhyl ...		51	33	b	b	5.3	Weymouth ...		5.1	32	b, g	b, g	7.0
Colwyn Bay ...		50	34	m, b	b, m, f	7.0	Teignmouth ...		5.3	29	b	b	6.9
Llandudno ...		4.3	39	b	b, m	4.0	Torquay ...		5.2	30	b	b	6.3
Bettws-y-Coed ...							Paignton ...		5.4	27	f, b	b, f	8.6
Aberystwyth ...		52	34	c, b, c	b, c, c	7.8	Ilfracombe ...		4.8	32	b, w, b	b, g	8.5
England, S.E.							Weston-super-Mare ...		4.5	30	f, b, c	b, c	8.5
Lowestoft ...		4.8	35	m, f	f, c, o, c	0.5							
Felixstowe ...		4.7	30	b, f	c, m	0.3							
Walton-on-Naze ...	0.01	4.7	31	m	b, c, m, o	0.1							
Southend-on-Sea ...	0.01	4.6	32	o	o	0.0							

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain fall.	WEATHER.			Sun- shine for Yester- day.
	p.m. Yester- day.	a.m. To- day.	in Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.	
			Max.	Min.						
			24 HOURS ENDED 9 A.M. TO-DAY.							
Greenwich (Royal Obey.) ...	% 88	% 100	48	34	30	in.	f	f	of	Hr. 0.0
City (Bunhill Row) ...	*	*	*	*	*	-	f	f	*	0.0
Westminster (St. James's Pl.)	97	97	47	36	33	-	f	f	f	0.0
Camden Sq. (Brit. Museum)	96	100	44	36	34	-	f	f	f	0.0
Hampstead (Reservoir) ...	*	99	43	33	32	-	ofe	ofe	ofe	0.0
Kew. (See front page.)										
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.										
			Total.		Average Rate.		Max. Rate.			
S. Kensington (Roof of M.C.)	91	100	115 Joules.		3.3 Milliwatts.		13 Milliwatts.			

Additional Observations for Yesterday.

STATIONS.	RAIN- FALL.	TEMPERATURE.		WEATHER.			Sun- shine for Yester- day. Hr.	
		In Screen.		Night Min. on Grass.	Night.	Fore- noon.		After- noon.
		Max.	Min.					
Dublin to 4 p.m.	-	46	41	37	b, w, f	f, o	b, m	
Plymouth to 9 p.m.	0.01	53	31	20	b, c, f	of	of	6.4
Darwen "	0.01	55	36	32	of	of, b, c	b, c	3.8
Manchester "								
Birmingham "	-	53	33	24	f	f	b	1.5
Oxford to 8 p.m.	-	44	30	26	b, f	f	b, f	
S. Kensington (Museum Grounds to 6 p.m.)	-	47	37	27	b, m	of	f	

NOTES ON YESTERDAY'S WEATHER.

The maximum temperature at Nottingham during yesterday, in a dense fog, was only 38°, but in other districts the readings were generally in excess of the normal, passing 50° in many places, touching 55° at Darwen, and 57° at Buxton. Slight frost occurred over the inland districts of England during the night. A number of Stations had no bright sunshine, the records at others ranging upwards to 8 hours at Newquay, and 8½ hours at Ilfracombe. As far west as the 18th meridian ships experienced moderate to strong southerly 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; l, lightning; m, mist; o, overcast sky; p, passing showers; q, squalls; r, rain; s, snow; t, thunder; u, very threatening sky; v, visibility, unusual transparency; w, dew; x, low frost; z, dust-haze, or smoke.

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

12-22

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

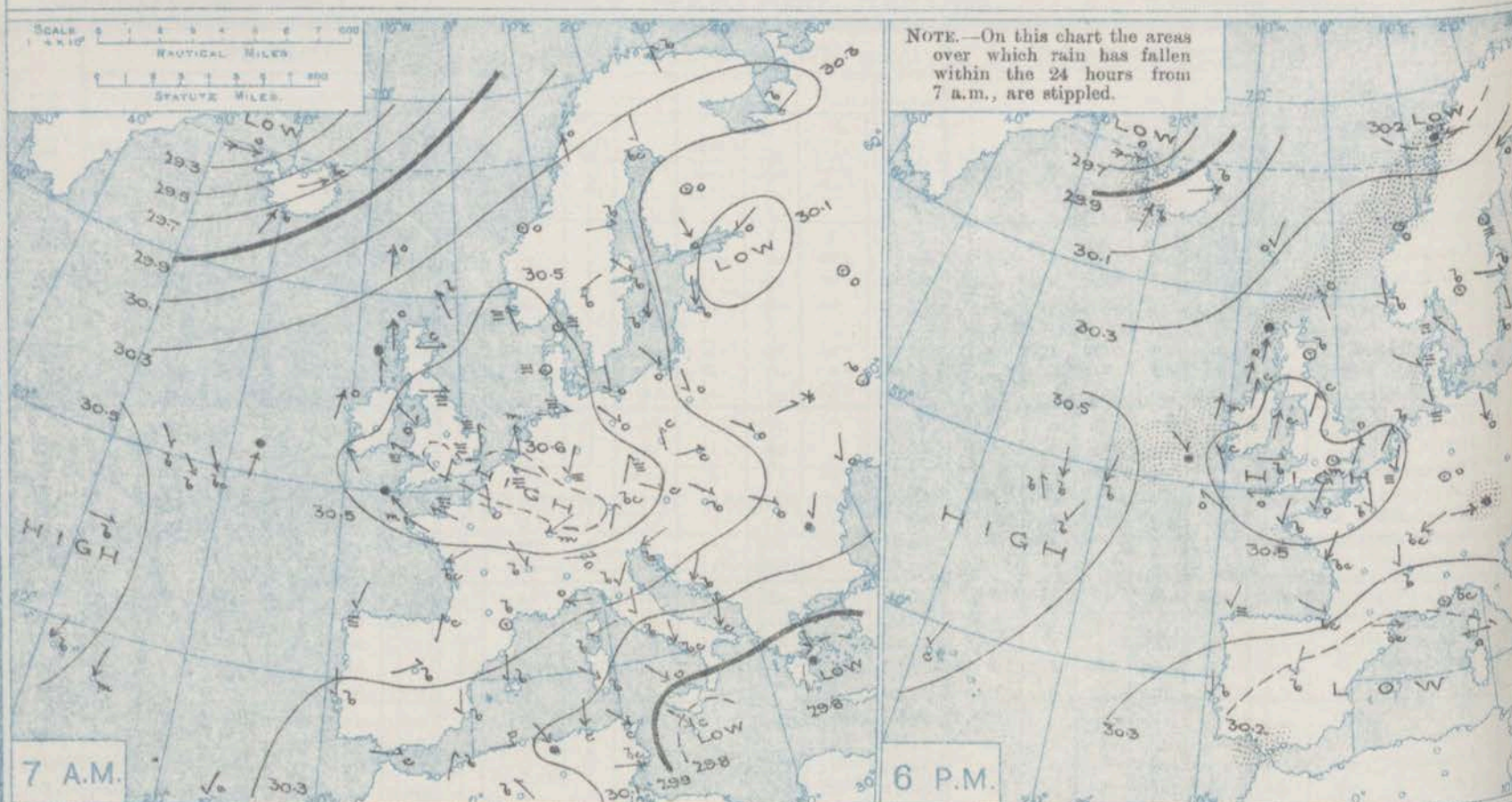
Friday,
11th February, 1913.

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. In.	TEMP.		WEATHER.				
	At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Dir.	Force (0 to 12).				At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						Dir.	Force (0 to 12).	Max.	Min.		Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.
	In.					In.	In.													Hours			
Lerwick	30.42	46	SSE	1	c	30.41	0.0	45	+1	SSW	2	r	1	1	0.06	47	43	cg	cm	omr	*		
Stornoway	30.44	45	SSW	6	odp	30.42	-0.1	44	-1	SW	1	r	1	1	0.11	45	44	o	odp	odpm	0.0		
Castlebay (Barra Isd.)	30.46	47	SSW	4	d	30.44	0.0	45	-1	NNW	2	d	3	3	0.31	47	44	d.o.d	d	d.r.d	0.0		
Malin Head	30.49	45	SSW	3	cy	30.45	-0.1	44	+6	SW	4	ome	2	2	0.01	47	38	cm	cm	cm	*		
Blacksod Point	30.48	47	S	5	m	30.49	+0.1	43	-5	S	1	c	2	2	-	49	42	om	om	odf	*		
Valencia	30.52	44	SSE	1	cy	30.51	-0.1	41	-4	ENE	1	o	3	3	-	50	38	bcy	cy	cy	4.7		
Roche's Point	30.56	45	SE	2	o	30.53	-	41	-3	NW	1	o	2	2	-	46	40	cm	ogm	om	*		
Birr Castle	30.50	43	S	1	bc	30.48	-	38	+2	S	1	o	*	*	-	49	33	b	bc	c.o	7.4		
Donaghadee	30.55	40	SSW	1	f	30.51	-0.2	37	-3	SSW	1	f	1	1	Trace	47	35	bc	fe	fe	*		
Liverpool Obsy.	30.56	41	NNW	1	m	30.53	+0.1	37	+4	-	0	o	0	0	-	43	32	f	bcn	o	1.7		
Holyhead	30.56	44	SSW	4	c	30.52	0.0	42	-2	SSW	3	c	2	2	-	46	41	c	cm	c	*		
Pembroke (St. Ann's Hd.)	30.57	42	W	1	b	30.51	-0.1	40	-1	N	1	om	3	3	Trace	46	39	f	cm	bm	1.5		
Newquay	30.55	45	NW	1	cm	30.52	0.0	40	-1	N	1	ogf	3	3	0.01	46	35	cf	c.bc	cdof	2.8		
Scilly (St. Mary's)	30.55	44	E	2	om	30.52	-0.2	43	-1	NNE	3	cm	3	3	-	47	39	cm	om	om	0.2		
Jersey (St. Aubin)	30.56	43	NE	2	om	30.47	-	42	-1	N	1	om	1	1	Trace	45	40	of cm	om of	of	0.0		
Portland Bill	30.54	43	NW	1	bc	30.45	-0.2	40	-3	NW	2	b	2	2	-	45	37	om	bc	cm bc	*		
Dungeness	30.52	44	SW	2	o	30.41	-0.1	34	-10	N	2	fex	2	2	-	45	32	o	o	of x	*		
Dover	30.55	41	S	2	m	30.47	-	35	-9	S	2	f.	2	2	0.01	45	31	cy.	cy bc	3.bx	0.0		
Wick	30.43	42	SSW	1	c	30.43	-0.1	44	+2	-	0	o	1	1	0.01	47	40	bc cm	bc cm	come	*		
Nairn	30.46	45	WSW	2	bc	30.41	-	40	-3	-	0	bc	1	1	Trace	50	38	bc b.	bc.	bc	3.7		
Aberdeen	30.47	40	-	0	b	30.45	-0.1	34	-2	-	0	b	1	1	-	49	32	cy bc	c.bcy	bzx	1.9		
Leith	30.48	44	W	2	b	30.48	-0.1	39	0	WSW	1	o	*	*	Trace	48	38	bc	bc bz	b	*		
North Shields	30.50	40	SW	2	c	30.49	0.0	36	0	SW	1	fe	2	2	-	48	34	fe c	c	c fe	4.8		
Spurn Head	30.48	41	WSW	2	f	30.46	0.0	39	+5	WNW	4	f	4	4	Trace	44	34	f	f	f	*		
Yarmouth	30.50	39	SW	1	o	30.44	-0.2	38	-1	N	1	f	1	1	-	41	34	of	of	of	0.0		
Clacton-on-Sea	30.52	39	SW	1	m	30.45	-0.1	33	-8	WNW	1	f	0	0	-	42	32	ogm	ogm	om of	0.0		
Nottingham	30.50	47	W	2	o	30.51	-	30	0	W	1	f	*	*	-	50	29	f c	com	obmf	0.0		
Bath	30.56	36	-	0	f	30.53	-	30	-2	-	0	f	*	*	-	44	28	-	-	-	2.7		
London (Kew Obsy.)	30.55	37	-	0	m	30.48	0.0	31	-5	NW	1	of	*	*	-	39	30	of om	om b.	bcn of	0.0		
Isafjord	29.67	36	W	9	o	29.43	-0.9	41	+8	SW	9	r	*	*	-	*	*	GALES. Duration and Extreme Force on British Coasts.					
Reykjavik	29.91	36	S	4	b	29.60	-0.7	42	+6	S	7	r	*	*	-	*	*						
Vestmanna	30.05	39	SSW	6	b	29.85	-0.6	42	+6	SSE	6	r	6	*	-	*	*						
Seydisfjord	29.97	41	WSW	6	b	29.88	-0.7	39	-1	E	1	c	*	*	-	*	*						
Thorshavn	30.29	43	NE	1	o	30.38	-0.1	31	-17	N	1	b	*	*	-	*	*						
Haparanda	30.34	17	ENE	4	o	30.10	-0.9	28	+18	S	2	o	*	*	-	28	10						
Hernösand	30.36	31	-	0	f	30.28	-0.1	38	+11	S	2	o	*	*	-	38	27						
Stockholm	30.40	32	W	2	b	30.42	0.0	32	+1	SSW	2	o	*	*	-	39	30						
Wisby	30.39	33	N	2	b	30.47	+0.2	30	-6	NE	2	c	*	*	-	37	27						
Karlstad	30.41	28	-	0	b	30.44	0.0	31	+8	-	0	o	*	*	-	36	21						
Färder (X'ania Fjord)	30.44	27	NE	1	f	30.45	0.0	28	-1	-	0	c	0	0	-	30	27						
Bodö	30.44	40	E	2	r	30.20	+0.1	38	-1	WSW	4	c	2	2	0.71	40	34						
Christiansund	30.41	44	-	0	o	30.39	-0.1	43	+5	-	0	r	6	6	0.24	46	37						
Skudesnaes	30.45	40	N	2	b	30.47	0.0	38	-2	E	2	o	1	1	-	43	36						
The Scaw (Skagen)	30.42	36	SE	1	f	30.45	0.0	33	0	ENE	1	f	0	0	-	37	32						
Blaavands Huk	30.44	38	WNW	1	f	30.43	+0.1	38	+2	N	1	f	0	0	0.04	38	36						
Cuxhaven	30.46	38	N	2	f	30.41	0.0	38	-2	N	2	f	*	*	-	43	37						
The Helder	30.50	41	SW	2	b	30.46	+0.1	31	-11	SSE	1	f	0	0	-	43	30						
Brussels	30.51	37	NNE	1	f	30.43	-0.1	38	+1	NE	1	f	*	*	Trace	44	35						
Berlin	30.37	38	N	4	o	30.40	+0.2	32	-7	N	2	o	*	*	-	41	30						
Frankfurt	30.44	45	-	0	o	30.37	+0.1	41	+8	NE	1	o	*	*	-	50	33						
Munich	30.44	37	W	4	r	30.29	-0.3	36	+9	NW	3	o	*	*	0.04	41	27						
C. Gris Nez	30.55	42	SW	1	m	30.43	-0.2	40	0	N	1	m	1	1	-	43	39						
La Hève	30.51	39	NE	1	f	30.44	-	41	+4	NNE	2	m	1	1	-	46	37						
Brest (St. Mathieu)	30.53	49	NE	2	b	30.49	0.0	40	+1	NE	2	m	5	5	-	54	39						
Lorient (Bec Melon)	30.47	50	NE	3	b	30.43	-	35	-8	NE	3	m	2	2	-	54	34						
Rocheport (Ile d' Aix)	30.42	47	NE	4	bc	30.37	-	39	-2	NE	3	bc	*	*	-	54	37						
Biarritz	30.38	49	WNW	2	bc	30.32	-	46	-2	SSW	3	c	2	2	-	52	45						
Paris	30.50	43	N	2	b	30.40	-0.3	36	-2	N	4	o	*	*	-	51	35						
Belfort	30.45	42	ENE	4	bc	30.35	-	34	+4	-	0	m	*	*	-	47	30						
Lyons	30.03	42	WNW	2	b	30.30	-	35	+1	N	3	b	*	*	-	48	33						
Nice	30.24	43	-	0	bc	29.92	-0.4	43	-1	-	0	b	2	2	-	54	37						
Perpignan	30.35	47	-	0	b	30.12	-0.8	50	+7	W	5	bc	*	*	-	55	35						
Sanguinaire	30.23	48	N	5	m	30.02	-	49	+2	E	2	o	3	3	-	54	43						
Corunna (S. a.m.)	30.34	54	NE	1	f	30.27	0.0	43	0	ENE	1	f	2	2	-	59	36						
Lisbon (S. a.m.)	30.23	51	N	3	b	30.22	0.0	44	-3	NNE	3	o	6	6	-	54	41						
Gibraltar	30.21	57	E	3	c	30.20	-	56	+7	E	4	bc	2	2	0.05	62	49						
Azores (P. Delgada)																							
Azores (Horta)																							
Madeira (Funchal)	30.52	49	NE	3	c	30.38	-0.4	50	0	NW	1	o	2	2	-	55	46						

* Information for these columns not usually received.

† Received too late for insertion in Charts.

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



GENERAL INFERENCE

WEATHER PROSPECTS.

A new anticyclone spreading in from the Atlantic, will serve to maintain the very quiet type of weather.

FORECASTS FOR THE 24 HOURS NOON FRIDAY

TO NOON SATURDAY.

0 { light S.W. and S.W. to very variable breezes; some rain, fairer later; moderate temperature.

1

2 { Calms and light variable air, mainly S.W.; dull to misty

3 or foggy, some fair intervals; rather

4 { colder, but temperature variable

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 {

7 {

8 {

9 {

10 {

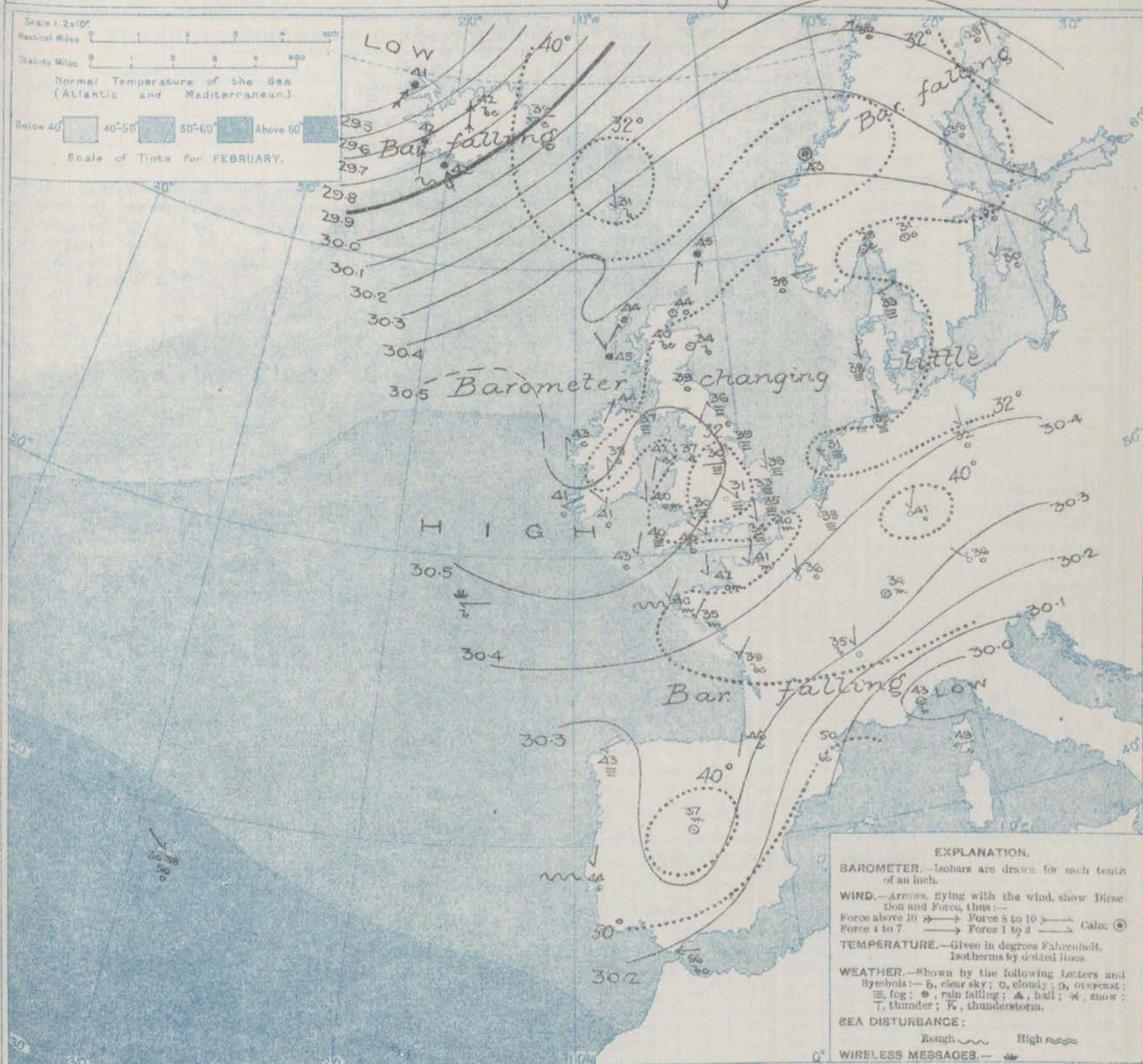
Same as Nos. 0b to 5.

11 WESTERN CHANNEL AND BAY.

Calms and light variable S.W. air; smooth sea; much mist or fog, some fair intervals; colder.

THE FURTHER OUTLOOK.

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



NOTES ON THE GENERAL SITUATION AT 7 A.M.

A depression still occupies the Iceland region, the barometer being below 29½ in. between that island and Greenland. The rest of our area is covered by a great area of high pressure, extending from Lapland to and beyond the Azores. The barometer is above 30½ in. over southern and eastern Ireland, and the western half of England. The gradient is rather steep about Iceland, elsewhere it is not appreciable.

Southerly strong winds to strong gales prevail over Iceland, calms and very light variable anticyclonic breezes over the rest of our area. At the Rome stations temperature ranges from 50° at Bath and

Nottingham to 44° or 45° on the northwestern and northern coasts; on the Continent from 31° at the Helder to 50° at Perpignan, and 56° at Gibraltar; in Scandinavia from 28° at Jaerger and Haparanda to 43° at Christianaund; and in Ireland from 38° to 42°. Cloudy to dull weather prevails at home and abroad. Rain is falling in the Hebrides and Shetland, at Christianaund and over western Ireland. Mist to thick fog is reported at numerous stations between the northwest of Spain and the north of Denmark. Slight to very smooth seas are reported on nearly all coasts.

DAILY WEATHER REPORT.

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 Jan	48	15	Oceanic	H	30.45	-0.04	E	1-3	b	15th Jan	46	27	Oceanic	H	30.54	+0.02	W	1-3	b
15th 6 p.m.	49	23	Manitou	O	30.48	-0.02	SSE	1-3	b	"	50	24	Empress of Ireland	H	30.49	+0.01	NW	1-3	b
"	49	22	Saxonia	H	30.45	-0.01	N	4-5	b	"	49	21	Manitou	O	30.24	+0.13	NW	4-5	b
"	47	21	Oceanic	H	30.54	-0.01	NE	1-3	b	"	49	20	Celtic	H	30.46	+0.04	NNW	6-7	b
"	49	19	Saxonia	O	30.59	-0.01	NNE	4-5	b	"	51	17	Manitou	H	30.24	+0.04	SSW	4-5	b
"	51	13	Manitou	H	30.48	0.00	NW	1-3	r										
"	49	10	Ausonia	O	30.48	0.00	SE	1-3	o										

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

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.		In.					Hr.	England, S.E.		In.					Hr.
Oban								Margate			4.6	4.2	mo	c	0.0
Stonehaven								Ramsgate			4.6	4.1	#	c	0.0
St. Andrews								Deal			4.7	4.2	om	cm	0.0
Carnoustie								Folkestone			4.5	4.2	bc	b, bc	0.0
England, N.E.								Littlestone							0.0
Harrogate		0.01	5.3	2.7	bc, b	b, bc	2.3	Hastings			4.5	4.2	o	o	0.0
Scarborough		"	4.8	3.3	o, c	o, c	1.0	Bexhill-on-Sea			4.5	4.2	y	y	0.0
England, N.W.								Eastbourne			4.7	3.9	of	bc, o	0.0
Blackpool			4.3	3.0	of	o	0.0	Seaford			4.7	4.1			0.0
Southport		0.01	4.3	3.2	fo	o	0.0	Brighton			4.3	3.9	o	om	0.1
Buxton			5.5	2.7	b, m	b	5.4	Worthing			4.3	4.0	m	m	0.0
Matlock								Littlehampton							0.0
Douglas								Bognor							0.0
Wales.								Southsea			4.1	3.2	o	o, c	1.6
Rhyl		0.01	4.5	2.9	b	b	3.7	Bournemouth			4.6	3.2	o	of	0.6
Colwyn Bay			4.5	3.2	mb	bm	7.0	Weymouth			4.4	3.9	of	b	1.1
Llandudno			4.2	3.7	bm	b	5.5	Teignmouth			4.5	4.1	fo	o, b	1.3
Bettws-y-Coed			5.1	3.2			8.0	Torquay			4.5	4.1	o	c, bc, b	0.7
Aberystwyth			4.7	3.4	c, bc	c, of	4.3	Paignton			5.0	3.0	c, bc	bc, b	0.4
England, E.								Ilfracombe			4.2	3.3	zwf	f	0.0
Lowestoft			4.2	3.9	om	of	0.0	Weston-super-Mare			4.0	3.1	f	bc	0.0
Felixstowe			4.2	3.2	mo	fo	0.0								
Walton-on-Naze			4.7	3.1	m	m, f	0.0								
Southend-on-Sea			4.6	3.5	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.		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.) ...	90	99	42	30	28	0.0	of	o. b	o. f x	0.0	Dublin to 4 p.m.	-	46	36	36	b w f	f	b m f	0.0	
City (Bunhill Row) ...	"	"	"	"	"	"	"	"	"	0.0	Plymouth to 9 p.m.	-	42	36	35	o y	o f	o f	0.0	
Westminster (St. James's Pk.)	92	99	40	30	27	0.0	m	f	f x	0.0	Darwen "	-	54	36	29	b c m	b c	m	0.0	
Camden Sq. (Brit. Rainfall)	93	100	40	30	25	0.0	f	f	f o m	0.0	Manchester "	-	49	34	28	f	f. b	b	0.0	
Hampstead (Reservoir) ...	"	100	37	31	28	0.0	of	b c	f x. o f e	0.0	Birmingham "	0.01	54	34	17	f	f	c	0.0	
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.									Oxford to 8 p.m.	-	38	29	29	o f	o f	o f	0.0
S. Kensington (Roof of M.O.)	92	99	Total.		Average Rate.		Max. Rate.		0.0	S. Kensington (Museum Grounds to 6 p.m.)	-	44	39	29	b, f	o m	o m	0.0		
			Joules.		Milliwatts.		Milliwatts.													
			179		5.1		15													

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

DATE.	Sunrise.	Noon.	Sunset.	NOTES ON YESTERDAY'S WEATHER.	
G.M.T.	G.M.T.	G.M.T.	G.M.T.		
14th Jan 1913.				During yesterday temperature rose to 55° at Buxton, and above 50° at a few other stations, but generally the maxima were much lower than of late, only 44° at Portsmouth and Yarmouth, and 40° at Weston-super-Mare. Slight frost occurred in the night in various parts of Britain. Many stations had no bright sunshine at others the records ranged upwards to 8 hours at Bettws-y-Coed. Near our Southwestern coast ships experienced light South-easterly breezes, but further west, as far as the 30th meridian, light to strong winds between North and West, with variable weather.	
Yarmouth	7.14	12.7	5.0		
Greenwich	7.12	12.7	5.2		
Wick	7.18	12.14	5.10		
Valencia	7.16	12.14	5.12		
	7.50	12.26	5.2		
	7.48	12.26	5.4		
	8.0	12.55	5.50		
	7.58	12.55	5.52		

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

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

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

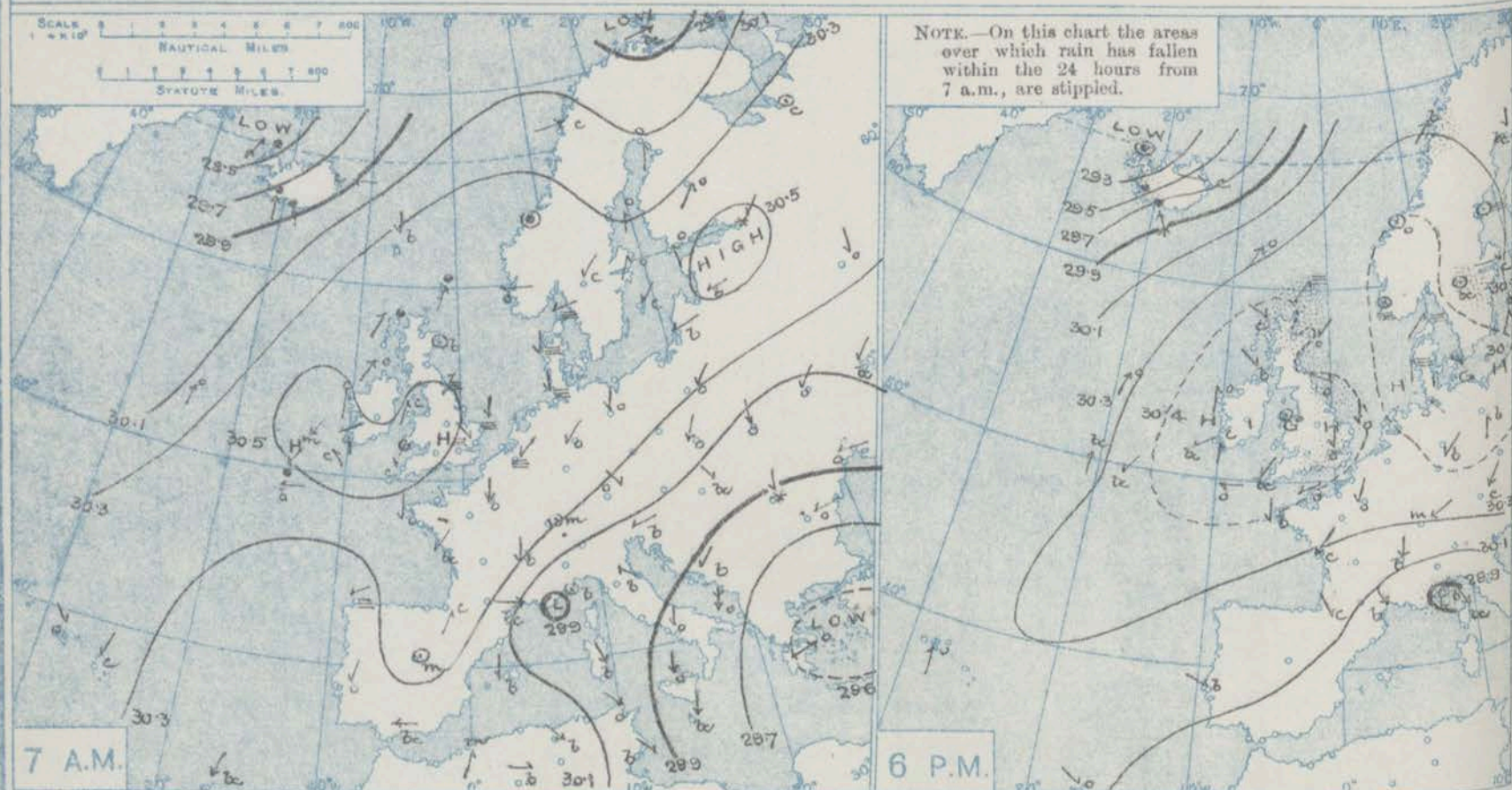
Saturday,
15th February, 1913.

STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun- shine for Yester- day.
		BAROM.		TEMP.		WIND.	Force (0 to 12).	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.				
		At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Dir.	Force (0 to 12).				At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						Dir.	Force (0 to 12).	Weather.	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.		Aftern'n. 1 p.m. to 6 p.m.	Night 6 p.m. to 7 a.m.
BRITISH ISLANDS.	Lerwick	In.						In.	In.								In.						Hours	
	Stornoway	30.38	44	SW	2	f		30.32	-0.2	43	-2	SSW	1	0	1	0.06	45	42	f	f	adm	*		
	Castlebay (Barra Isd.)	30.45	43	NW	2	c		30.31	-0.4	40	-4	WSW	3	0	3	0.01	47	37	odp.c	bc.c	0	0.8		
	Malin Head... ..	30.45	42	NE	1	0		30.32	-0.4	44	-1	SSE	2	0	3	Trace	46	40	dov	c.o	0	3.9		
	Blacksod Point	30.46	44	NW	1	b		30.32	-0.5	41	-3	S	2	bc	1	-	46	37	bc	bc	bc	*		
	Valencia	30.46	45	S	1	0		30.32	-0.3	47	+4	S	3	0	3	-	49	43	om	om	om	*		
	Roche's Point	30.47	46	S	1	cy		30.34	-0.1	41	-1	SSE	1	om	3	-	50	40	cy	cy	om	0.8		
	Birr Castle	30.49	41	ENE	2	of		30.36	*	41	0	NE	1	0	2	Trace	42	38	of m	of m	omo	*		
	Donaghadee	30.46	46	-	0	0		30.32	*	42	+4	S	1	0	*	-	46	38	o	o	o	0.0		
	Liverpool Obsy.	30.46	44	WNW	2	bc		30.34	-0.4	35	-2	SW	2	bc	1	-	49	35	bc	bc	bc	*		
ICELAND & FÆRÖE.	Holyhead	30.46	39	WNW	1	0		30.31	-0.3	41	+4	NW	3	0	2	-	43	37	og	om	o	0.0		
	Pembroke (St. Ann's Hd.)	30.47	43	-	0	0		30.34	-0.2	43	+1	NW	4	c	3	-	43	41	om	om	bc	0.0		
	Newquay	30.45	40	N	3	b		30.34	-0.3	39	-1	ENE	1	cm	2	-	45	38	om	om	bm	0.0		
	Scilly (St. Mary's)	30.44	42	N	2	r		30.31	-0.2	39	-1	NW	7	ogf	3	-	44	37	bc.b	bcco	of	4.1		
	Jersey (St. Aubin)	30.43	43	NE	3	bc		30.31	-0.2	41	-2	E	1	cm	2	-	48	39	bm	bc	om	7.7		
	Portland Bill	30.39	45	ENE	3	of		30.30	*	43	+1	NE	2	om	2	-	52	40	om	om	om	5.1		
	Dungeness	30.42	44	NE	2	b		30.32	-0.3	35	-5	NNE	3	f	2	0.04	49	35	bc	bc	bm	*		
	Dover	30.42	40	N	3	f		30.29	-0.2	40	+6	NNW	3	f	2	-	40	33	of	f	f	*		
	Wick	30.44	38	NW	1	f		30.34	*	39	+4	NW	2	m	2	Trace	39	35	f.o	of	of	0.0		
	Nairn	30.40	43	-	0	f		30.35	-0.2	42	-2	-	0	c	2	0.02	44	41	omf	omf	fdm	*		
SCANDINAVIA.	Aberdeen	30.39	45	-	0	0		30.33	*	41	+1	-	0	c	1	0.05	47	38	cm	dm	bcc	0.2		
	Leith	30.40	41	NE	1	0		30.36	-0.1	39	+5	ENE	2	0	2	0.02	43	33	ogf	ogom	omd	0.1		
	North Shields	30.40	44	WSW	2	0		30.34	-0.2	41	+2	-	0	0	*	0.01	45	38	ogco	ogod	o	*		
	Spurn Head	30.42	41	WNW	3	0		30.31	-0.2	41	+5	N	1	0	2	0.10	42	33	f.c	c.o	o.r	3.8		
	Yarmouth	30.40	40	NNW	1	m		30.29	0.0	38	-1	S	2	df	3	Trace	42	38	bm	om	dm	*		
	Clacton-on-Sea	30.41	39	N	1	0		30.32	+0.1	39	+1	-	0	0	0	-	41	35	fe om	ome	ome	0.0		
	Nottingham	30.41	39	NW	1	m		30.31	-0.2	38	+5	NW	1	0	0	Trace	40	32	of m	ogm	ogm	0.0		
	Bath	30.41	36	SE	2	f		30.27	*	38	+8	W	1	m	*	0.01	43	29	f	fe	fe	0.0		
	London (Kew Obsy.)	30.44	37	-	0	0		30.32	*	36	+6	-	0	f	*	-	39	29	-	-	-	0.8		
	Isafjord	30.44	39	N	1	om		30.31	-0.3	37	+6	-	0	om	*	0.01	39	31	om	om	ogm	0.0		
GERMANY, &c.	Reykjavik	29.21	34	-	0	r		29.30	+0.7	32	-9	W	7	c	*	*	*	*	GALES. Duration and Extreme Force on British Coasts.					
	Vestmanna	29.32	44	SE	7	r		29.47	+0.4	35	-7	SE	6	b	*	*	*	*						
	Seydisfjord	29.76	45	SSE	10	r		29.62	+0.6	37	-5	SW	8	bc	4	*	*	*						
	Thorshavn	29.45	48	W	3	c		29.45	+0.5	49	+10	W	7	b	*	*	*	*						
	Haparanda	30.29	42	SW	4	0		30.09	-0.4	44	+13	SSW	6	c	*	*	*	*						
	Hernösand	30.25	10	N	2	bc		30.25	+0.1	5	-23	SE	2	0	*	-	28	5						
	Stockholm	30.33	31	-	0	f		30.41	+0.4	19	-19	SW	2	b	*	-	45	18						
	Wisby	30.30	36	W	2	c		30.38	+0.5	31	-1	NNW	2	f	*	-	36	30						
	Karlstad	30.37	34	SSW	2	0		30.33	+0.1	35	+5	N	4	f	*	Trace	37	28						
	Færder (X'ania Fjord)	30.39	33	-	0	bc		30.41	+0.2	32	+1	-	0	bc	*	Trace	37	30						
FRANCE.	Bodö	30.40	34	SW	2	0		30.40	+0.1	31	+3	N	2	m	1	-	34	28						
	Christiansund	30.28	39	SW	4	b		30.21	-0.4	39	+1	SSW	4	bc	2	-	39	37						
	Skudesnaes	30.39	42	-	0	0		30.35	+0.1	42	-1	-	0	r	4	0.43	43	39						
	The Scaw (Skagen)	30.43	39	-	0	f		30.37	-0.2	37	-1	-	0	f	1	-	41	34						
	Blaavands Huk	30.43	39	-	0	f		30.37	-0.2	37	-1	-	0	f	1	-	41	34						
	Cuxhaven	30.46	36	SW	2	f		30.38	-0.0	37	+4	WNW	1	m	0	-	37	32						
	The Helder	30.48	35	SSE	1	f		30.43	-0.3	36	-2	SSW	1	f	1	-	39	34						
	Brussels	30.48	35	SE	2	0		30.43	-0.1	31	-7	SE	2	0	*	-	41	30						
	Berlin	30.44	41	-	0	0		30.40	+0.1	37	+6	ESE	1	0	0	-	45	31						
	Frankfurt	30.39	42	ENE	1	0		30.32	-0.4	35	-3	SSE	1	f	*	-	45	35						
SPAIN, PORTUGAL, &c.	Munich	30.47	34	S	2	b		30.47	-0.0	28	-4	S	1	c	*	-	37	28						
	C. Gris Nez	30.41	35	NE	2	b		30.41	-0.0	30	-11	SE	4	b	*	-	46	28						
	La Hève	30.38	28	NE	6	c		30.42	+0.1	20	-16	E	5	b	*	-	37	19						
	Brest (St. Mathieu)	30.41	42	N	1	m		30.32	-0.3	42	+2	E	3	m	2	-	45	39						
	Lorient (Bec Melen)	30.39	39	NNE	1	f		30.28	*	39	-2	ENE	1	m	1	-	46	36						
	Rochefort (Ile d'Als)	30.41	48	N	3	b		30.32	-0.4	41	+1	ESE	3	0	5	-	52	39						
	Biarritz	30.32	48	NNE	2	m		30.21	*	41	+6	ENE	3	0	3	-	55	32						
	Paris	30.29	37	NE	4	0		30.19	*	39	0	NE	3	c	*	-	50	36						
	Belfort	30.24	50	NNW	3	b		30.14	*	39	-7	ESE	3	m	2	-	52	37						
	Lyons	30.34	44	NNE	2	0		30.28	-0.1	30	-6	NNE	2	b	*	-	46	30						
PORTUGAL, &c.	Nice	30.26	40	ENE	7	m		30.26	*	27	-7	ENE	7	b	*	-	45	26						
	Perpignan	30.12	42	NNW	6	b		30.16	*	31	-4	N	4	b	*	-	51	30						
	Sanguinaire	29.88	46	-	0	b		30.10	+0.8	35	-8	E	5	b	5	0.08	55	35						
	Corunna (8 a.m.)	29.96	52	NW	5	b		30.02	0.0	41	-9	NW	1	b	*	-	59	39						
	Lisbon (9 a.m.)	29.96	50	NW	4	bc		30.03	*	41	-8	NE	6	c	5	-	55	37						
	Gibraltar																							

* 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. 14TH FEBRUARY.



GENERAL INFERENCE

Though the anticyclone still holds, slight local irregularities of pressure forming

WEATHER PROSPECTS.

over this country will tend to produce a more humid atmosphere. Otherwise the quiet weather conditions will be maintained.

0 { a } light S.W. breezes; dull, some
b } showers, fair intervals locally; mild.

1 Calms and light variable

2 { a }
b } air; dull and damp, misty or
foggy in many places, some fair
intervals, local drizzle; moderate
temperature.

4 { a }
b }

5

THE FURTHER OUTLOOK.

FORECASTS FOR THE 24 HOURS NOON SATURDAY TO NOON SUNDAY

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 }

Same as Nos. 06 to 5.

8 { a }
b }

9 { a }
b }

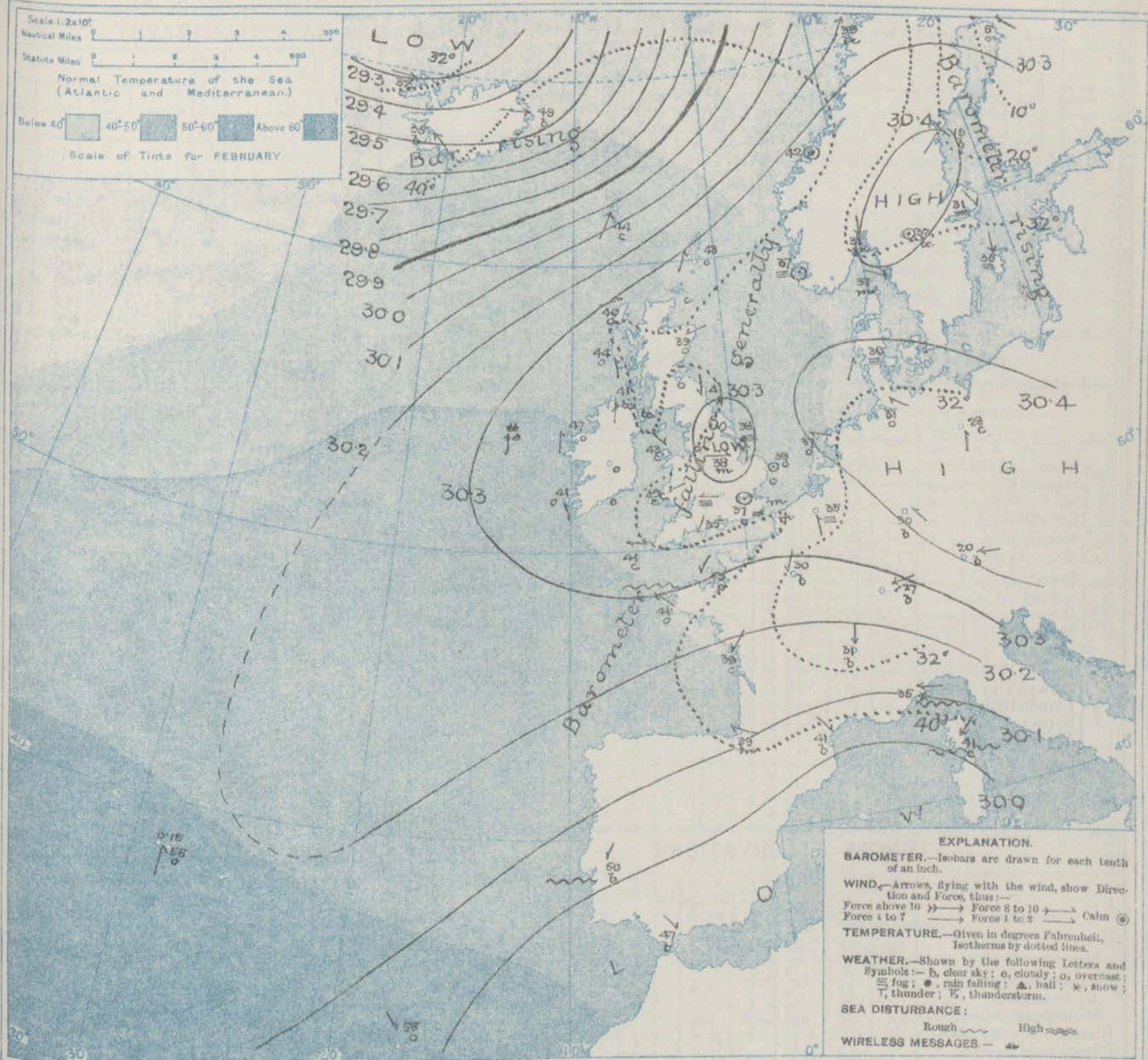
10 { a }
b }

light breezes, mainly S.W.; dull
and damp, mist or fog in places,
fair intervals; moderate temperature.

11 WESTERN CHANNEL AND BAY.

Calms and light variable air;
smooth sea; damp, misty to foggy, some
fair intervals; rather cold.

SYNOPTIC CHART FOR 7 A.M. SATURDAY, 15TH FEBRUARY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

An area of high pressure still covers nearly the whole region under observation, the barometer being above 30.4 in. over Germany and central Scandinavia. Within the anticyclone a small depression, barometer 30.3 in., has appeared over England. In a depression between Iceland and Greenland pressure is at 29.3 in. The gradient is rather steep between Iceland and Norway, inappreciable elsewhere.

Southerly to easterly strong to high winds are reported in the Iceland region, calms and very light variable breezes over the rest of

our area. At the home stations temperature ranges from 35° at Donaghadee and Portland Bill to 47° at Blacked Point; on the Continent from 20° at Munich to 42° at Grimsby and 47° at Ljvalla; in Scandinavia from 5° at Haparanda to 42° at Christiansund. The weather is fine and clear at a few foreign stations, but generally dull skies are reported the atmosphere misty or foggy in many parts of England, the north of France and Belgium, and beyond the North Sea as far as the east coast of Sweden. A little rain is falling at the mouth of the Rhumber, and locally in the north of Iceland and on the coast of Norway snow at rise. The sea is slight to very smooth nearly everywhere.

DAILY WEATHER REPORT.

Saturday, 15th February 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	Outward. H Inward. H	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	Outward. H Inward. H	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
15th 7am	54	14	<u>Cameronia</u>	H	30.20	-0.1	S	4-5	0										
14th 6pm	50	20	<u>Majestic</u>	O	30.26	-0.5	S	4-5	bc	14th 7am	52	24	<u>Cameronia</u>	H	30.13	+0.5	SSW	6-7	0
" "	53	19	<u>Cameronia</u>	H	30.23	+0.1	SSW	6-7	0	" "	49	15	<u>Ausonia</u>	O	30.47	-0.2	NE	1-3	bc
" "	49	18	<u>Ausonia</u>	O	30.35	-0.3	ENE	1-3	bc	" "	50	15	<u>Saxonia</u>	H	?	-0.8	ENE	4-5	bc
" "	51	11	<u>Saxonia</u>	H	30.53	+0.2	ENE	4-5	bc	" "	51	13	<u>Empress of Ireland</u>	H	30.58	+1.2	NE	4-5	m
" "	49	9	<u>Oceanic</u>	H	30.45	-0.1	E	1-3	0										

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

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.	Oban	In.					Hr.	England, S.E.	Margate	In.					
	Stonehaven								Ramsgate		41	33	f, m	m	0.0
	St. Andrews		45	30	f	f	0.0		Deal		41	33	f, m	m	0.0
	Carnoustie								Folkestone		40	27	f, m	m	0.0
England, N.E.	Harrogate		47	33	b	b	7.9	England, S.W.	Littlestone		40	27	f, m	m	0.0
	Scarborough		44	37	of	of	0.0		Hastings		39	31	f, m	m	0.0
	Blackpool		42	39	o	o	0.0		Bexhill-on-Sea		41	31	f, m	m	0.0
	Southport		42	40	o	o, bc, o	0.0		Eastbourne		41	29	of	ogf	0.0
England, N.W.	Buxton		42	27	bxm	bm	1.9	England, S.W.	Seaford		42	30	f, m	o	0.0
	Matlock								Brighton		40	35	om	om	1.9
	Douglas								Worthing		41	34	m	m	0.0
	Rhyl	0.01	42	30	bc	o	0.0		Littlehampton						0.0
Wales.	Colwyn Bay		43	32	bc	bc, m	0.0	England, S.W.	Bognor						0.0
	Llandudno		43	34	o	b	0.0		Southsea		44	32	b	bc	7.8
	Bettws-y-Coed		47	28	f, o	o, c, o	2.8		Bournemouth		46	31	b	b, f	7.8
	Aberystwyth		41	30	f, o	o, c, o	0.0		Weymouth		50	32	bg	bg	8.0
England, E.	Lowestoft		40	35	of, c	of, m	0.0	England, S.W.	Teignmouth		51	28	b	b	7.8
	Felixstowe	0.01	40	33	of, o	m	0.0		Torquay		53	29	b	b	7.8
	Walton-on-Naze		40	34	f, bc, m	m	0.0		Paignton		54	27	b	b, f	0.0
	Southend-on-Sea	0.01	38	29	o	o	0.0		Ilfracombe		41	34	o	o	0.0
									Weston-super-Mare		40	31	f, bc	bc, m	0.0

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain- fall.	WEATHER.			Sun- shine for Yester- day.	STATIONS.	RAIN- FALL.	TEMPERATURE.		WEATHER.			Sun- shine for Yester- day.	
	3 p.m. Yester- day.	9 a.m. To- day.	In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.				Max.	Min.	Night Min. on Grass.	Night.	Fore- noon.		After- noon.
			Max.	Min.															
			24 HOURS ENDED 9 A.M. TO-DAY.																
	%	%				In.				Hr.		In.						Hr.	
Greenwich (Royal Obsy.) ...	96	93	38	25	36	-	of	of	of	0.0	Dublin to 4 p.m.	Trace	46	32	30	f.w.	f.o.g	og	
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	0.0	Plymouth to 9 p.m.								
Westminster (St. James's Pk.)	92	93	40	36	36	-	f	f	m	0.0	Darwen	-	39	34	33	of	bc	om	
Camden Sq. (Brit. Rainfall)	96	98	39	35	36	0.01	om	f	o, d	0.0	Manchester	-	41	37	28	of	of	of	
Hampstead (Reservoir) ...	*	96	39	33	36	0.01	o	or	ofe	0.0	Birmingham	-	44	35	28	f	o	o	
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.									Oxford to 8 p.m.	-	40	28	26	of	of	of
			Total.		Average Rate.		Max. Rate.												
S. Kensington (Roof of M.O.)	97	96	88 Joules.		4.5 Milliwatts.		8 Milliwatts.			0.0	S. Kensington (Museum Grounds to 6 p.m.)	-	40	32	23	m	of	ogm	

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

	15th Feb. 1913.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.	
Yarmouth	7.12	12.7	5.2	
	7.10	12.7	5.4	
Greenwich	7.16	12.14	5.12	
	7.15	12.14	5.13	
Wick	7.48	12.26	5.4	
	7.46	12.26	5.6	
Valencia	7.58	12.55	5.52	
	7.57	12.55	5.53	

During yesterday temperature rose to 50° and upwards at a number of the south-western coast stations, to 54° at Paignton. At a number of places in the south-east the maximum was 39° or 40°. Slight showers have fallen over eastern Britain. At the great majority of stations there was no bright sunshine, but at Harrogate and along the coast from Bournemouth to Selly the records were from 7 hours to more than 8 hours. As far west as the 17th meridian ships experienced variable easterly breezes, light to moderate in force, & further west fresh to strong southerly winds.

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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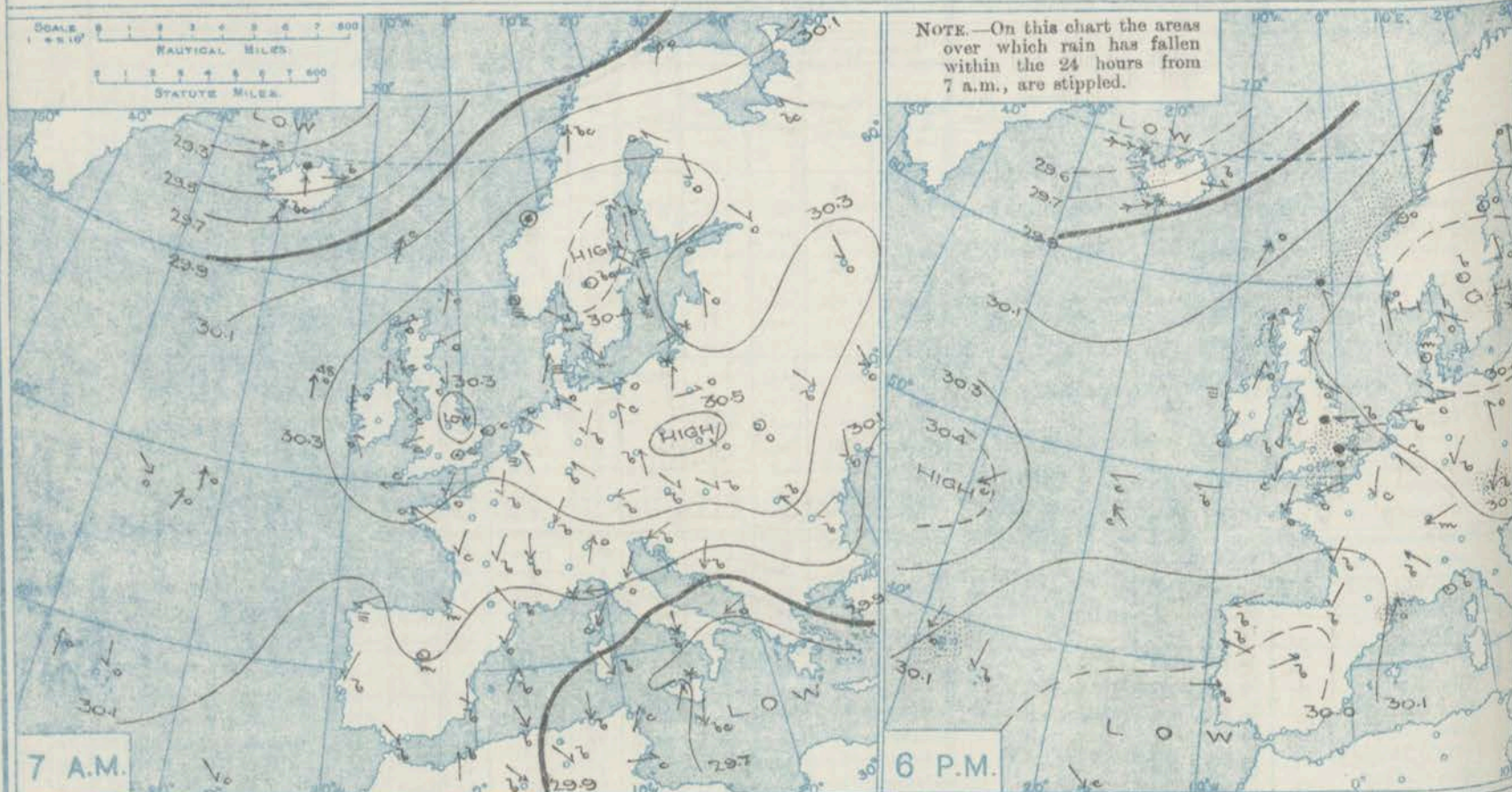
Sunday,
16th February, 1913.

1874 February, 1913.																								
YESTERDAY EVENING.							THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							
STATIONS.	BAROM.		TEMP.		WIND.	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain-fall.	TEMP.		WEATHER.			Sun- shine for Yesterday.			
	At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Dry Bulb.	Force (0 to 12).			At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yesterday.						Dir.	Max.	Min.	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.						In.	In.							In.							Hours		
Stornoway	30.26	41	SSE	2	r		30.27	+0.01	42	-1	SSE	3	0	2	0.02	44	40	om	omd	om	*			
Castlebay (Barra Isd.)	30.25	43	SSW	4	0		30.27	+0.03	40	0	S	1	0	1	0.02	45	39	o.c.	o.c.	o.c.	2.1			
Malin Head...	30.24	46	WSW	3	0		30.29	+0.02	45	+1	-	0	0	2	0.01	46	42	0	o.p.	o.p.	0.0			
Blacksod Point ...	30.26	44	SW	1	og		30.28	+0.02	41	0	SW	1	og	1	0.01	46	40	b.g.	og	og	*			
Valencia	30.24	45	S	3	f		30.24	+0.01	44	-3	S	1	0	2	0.06	46	43	omd	fd	fd	*			
Roche's Point ...	30.27	43	NE	1	og		30.24	0.00	37	-4	NE	1	b	4	-	44	36	og	og	og	0.0			
Birr Castle	30.29	41	NNW	2	c		30.24	-	42	+1	NE	1	0	2	-	43	40	og	o.c.	o	*			
Donaghadee	30.25	44	-	0	0		30.23	-	41	-1	-	0	0	-	-	45	40	o	m	o	0.0			
Liverpool Obsy. ...	30.27	44	WNW	1	0		30.28	+0.02	43	+8	ESE	3	0	2	-	45	34	bc	bc	om	*			
Holyhead	30.27	42	ENE	2	0		30.28	+0.01	39	-2	E	1	0	1	-	44	38	og	og	og	0.0			
Pembroke (St. Ann's Hd.)	30.25	44	NE	3	c		30.24	+0.01	43	0	SE	2	c	3	-	46	41	bc	bc	bc	0.0			
Newquay	30.24	42	NNE	1	b		30.21	+0.02	38	-1	E	3	bm	3	trace	45	37	cm	cm	b	2.0			
Scilly (St. Mary's) ...	30.21	39	NE	1	b		30.16	0.00	38	-1	-	0	b	3	-	42	32	og	og	og	1.7			
Jersey (St. Aubin) ...	30.21	44	NE	2	cm		30.16	0.00	45	+4	NE	2	cm	3	-	49	40	cm	om	cm	0.3			
Portland Bill	30.21	44	ENE	2	om		30.10	-	41	-2	ENE	3	ogm	3	0.01	48	40	o.c.	om	om	1.1			
Dungeness	30.19	40	N	1	w		30.14	+0.03	37	+2	NE	5	bc	3	0.02	42	35	bm	bm	om	*			
Dover	30.20	43	ESE	3	c		30.18	+0.01	38	-2	E	4	c	3	trace	45	38	fo.	c.o.	og	*			
Wick	30.27	41	E	3	c		30.25	-	38	-1	ESE	3	b	4	0.02	43	36	me.o	bc	c.bc	0.0			
Nairn	30.27	41	S	2	c		30.28	+0.02	40	-2	-	0	c	2	-	43	40	cm	om	om	*			
Aberdeen	30.25	38	-	0	b		30.27	-	35	-6	-	0	0	1	trace	46	32	bc	z.b.	c.o.	3.7			
Leith	30.30	40	S	1	0		30.32	+0.02	39	0	SSW	2	0	2	-	41	38	om	od	od	0.0			
North Shields	30.28	41	NW	1	0		30.33	+0.03	39	-2	SSE	1	0	-	-	42	38	ad	og	og	0.0			
Spurn Head	30.28	40	ESE	1	0		30.32	+0.02	40	-1	ESE	2	0	2	-	43	37	o	o	o	0.0			
Yarmouth	30.27	41	ESE	4	0		30.30	0.00	39	+1	E	4	c	4	trace	41	37	om	om	o.c.	*			
Clacton-on-Sea	30.28	40	E	3	b		30.28	+0.02	40	+1	E	3	bc	3	0.03	42	38	omd	o.c.	bc	0.0			
Nottingham	30.24	42	ESE	2	c		30.24	+0.01	42	+4	ESE	3	c	3	0.02	42	37	ogm	ogm	c	0.0			
Bath	30.24	39	E	3	p		30.27	-	35	-3	ENE	1	bc	-	0.04	40	34	ogm	ogm	om	0.0			
London (Kew Obsy.) ...	30.22	41	-	0	r		30.22	-	37	+1	NE	4	0	-	0.05	43	36	-	-	-	0.0			
Isafjord	30.22	40	E	2	odm		30.24	+0.03	34	-3	NE	3	bc	-	0.06	40	34	omg	omg	odm	0.0			
Reykjavik	29.52	32	W	9	S		29.43	+1.15	32	0	W	9	c	-	-	-	-	-	-	-	-			
Vestmanna	29.71	33	SW	3	b		30.11	+1.12	33	-2	SE	5	S	-	-	-	-	-	-	-	-			
Seydisfjord	29.86	35	WSW	8	S		30.24	+0.08	34	-3	SW	5	bc	4	-	-	-	-	-	-	-			
Thorshavn	29.71	39	W	3	b		30.10	+0.09	33	-16	WNW	6	b	-	-	-	-	-	-	-	-			
Haparanda	30.06	45	SW	4	0		30.28	+0.03	39	-5	NNW	2	0	-	-	-	-	-	-	-	-			
Hernösand	30.15	21	SSW	2	0		30.09	-0.03	18	+13	SW	2	bc	-	-	25	3	-	-	-	-			
Stockholm	30.39	33	-	0	0		30.34	0.00	25	+6	NW	2	bc	-	-	36	18	-	-	-	-			
Wisby	30.47	30	N	2	0		30.44	0.00	27	-4	W	2	bc	-	-	34	27	-	-	-	-			
Karlstad	30.43	32	NE	2	S		30.46	+0.01	31	-4	ENE	2	bc	-	trace	36	28	-	-	-	-			
Färder (X'ania Fjord)	30.48	32	-	0	b		30.49	0.00	31	-1	-	0	bc	-	-	41	27	-	-	-	-			
Bodö	30.46	34	NNE	1	f		30.46	+0.01	33	+2	SSE	1	bc	-	-	34	32	-	-	-	-			
Christiansund	30.16	41	SW	6	f		30.11	0.00	42	+3	SW	7	c	4	-	43	37	-	-	-	-			
Skudesnaes	30.32	43	-	0	0		30.32	+0.02	41	-1	SW	1	0	6	0.08	45	39	-	-	-	-			
The Scaw (Skagen) ...	30.41	38	S	2	0		30.45	0.00	38	+1	S	2	0	2	-	39	34	-	-	-	-			
Blaavands Huk	30.43	38	SE	2	0		30.45	+0.01	36	-1	-	0	0	0	-	31	27	-	-	-	-			
Cuxhaven	30.42	36	-	0	m		30.41	+0.01	38	+2	ENE	1	f	0	-	38	34	-	-	-	-			
The Helder	30.40	36	E	1	0		30.37	0.00	35	+4	ENE	2	m	-	-	37	31	-	-	-	-			
Brussels	30.25	35	SE	1	c		30.26	+0.02	30	-5	ENE	2	b	-	-	46	30	-	-	-	-			
Berlin	30.39	32	S	2	0		30.31	+0.01	33	+5	N	2	0	trace	34	28	-	-	-	-	-			
Frankfurt	30.32	33	NE	1	b		30.27	0.00	28	-2	-	0	b	-	-	39	28	-	-	-	-			
Munich	30.34	23	NE	4	b		30.29	-0.02	19	-1	NE	3	b	-	-	28	18	-	-	-	-			
C. Gris Nez	30.24	37	E	3	m		30.20	+0.01	34	-8	E	3	c	1	-	46	32	-	-	-	-			
La Hève	30.15	37	E	1	m		30.08	-	30	-9	E	4	0	2	-	45	27	-	-	-	-			
Brest (St. Mathieu) ...	30.26	41	NE	2	0		30.13	0.00	39	-2	NNE	2	b	5	-	45	37	-	-	-	-			
Lorient (Bec Melon) ...	30.10	44	NE	3	b		30.06	-	35	-4	SE	3	m	-	-	50	34	-	-	-	-			
Rochefort (Ile d' Aix)	30.08	37	NE	3	b		30.06	-	36	-3	ESE	3	0	3	-	43	34	-	-	-	-			
Biarritz	30.19	37	NNE	2	c		30.15	+0.01	32	+2	NE	2	bc	-	-	45	30	-	-	-	-			
Paris	30.22	29	ENE	7	m		30.24	-	24	-3	E	5	c	-	-	40	22	-	-	-	-			
Belfort	30.17	35	-	0	b		30.15	-	31	0	NNW	2	bc	-	-	42	27	-	-	-	-			
Lyons	30.13	36	-	0	b		30.07	-0.02	34	-1	-	0	bc	3	-	46	32	-	-	-	-			
Nice	30.11	43	SW																					

* Information for these columns not usually received.

† Received too late for insertion in Charts.

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



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

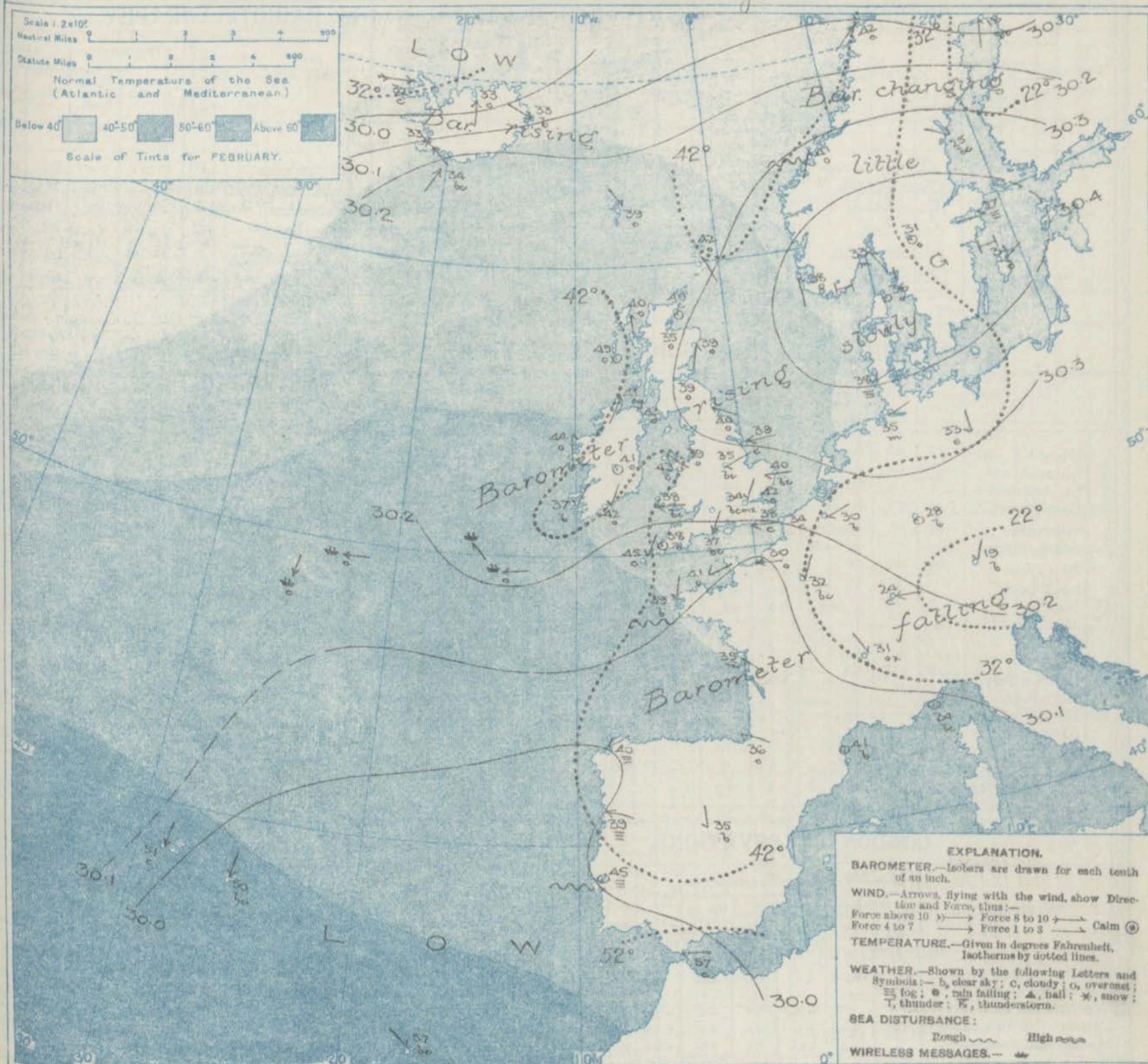
11 WESTERN CHANNEL AND BAY.

THE FURTHER OUTLOOK.

None issued.

None issued.

SYNOPTIC CHART FOR 7 A.M. Sunday, 16th FEBRUARY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

A large anticyclone still covers North-Western Europe and the northern portions of the Atlantic, the highest pressures being found over Denmark and the south of Scandinavia. The barometer is lowest in a shallow depression lying to the eastward of Madeira, but is almost as low in Northern Iceland.

The wind is light to moderate from the W. or N.W. over England, Ireland and the western parts of the Continent, but is S. in Scotland, S.W. in Norway and S. in Iceland, with a gale at Isafjord. Temperature

has changed rather irregularly, but has fallen in most places. Over the United Kingdom the readings range from 45° at Castlebay and Sillly to 40° and less over the major part of Great Britain, and to 34° in London. Frost prevails over a large portion of the Continent, the lowest temperatures reported being 18° at Haparanda and 19° at St. Bunk. The weather is dull in Ireland and North Britain as well as on the eastern side of the North Sea, but fine in most other regions, with however, mist or fog in places. The sea is slight or smooth generally.

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 7 a.m.	48	25	<i>Mauretania</i>	H	30.12	-0.11	NNE	6-7	c	15th 6 p.m.	48	18	<i>Meinshafa</i>	H	30.20	+0.01	SE	4-5	c
" "	49	22	<i>Montezuma</i>	H	30.17	-0.02	E	6-7	o	" "	49	18	<i>Lake Erie</i>	H	30.20	0.00	E	1-3	c
" "	50	16	<i>Tunisian</i>	O	30.21	+0.01	SE	1-3	?	" "	49	11	<i>Mosaba</i>	O	30.28	+0.14	E	1-3	b
" "	49	14	<i>Lake Erie</i>	H	30.31	+0.13	E	1-3	o	" 7 a.m.	48	25	<i>Majestic</i>	O	30.16	+0.06	NW	4-5	o
" "	49	13	<i>Meinshafa</i>	H	30.23	+0.02	E	4-5	o	" "	48	22	<i>Meinshafa</i>	H	30.21	+0.05	SSW	4-5	o
15th 6 p.m.	47	29	<i>Majestic</i>	O	30.43	+0.04	NE	4-5	c	" "	49	21	<i>Lake Erie</i>	H	30.15	-0.01	S	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	...	...	...	...	...	...	England, S.E.	Margate	...	45	39	m	bc	1.0
	Stonehaven	...	...	...	...	...	...		Ramsgate	...	44	38	bc	bc	0.5
	St. Andrews	...	...	...	...	...	...		Deal	0.02	45	38	bc, o	o	0.8
	Carnoustie	...	...	...	...	...	...		Folkestone	...	44	39	em	o	0.0
England, N.E.	Harrogate	0.01	39	33	mo	o	0.0	England, S.W.	Littlestone	...	43	36	o	o, bc	0.0
	Scarborough	...	...	...	...	...	...		Hastings	...	43	36	o	o, bc	0.0
England, N.W.	Blackpool	...	45	39	o	o	0.0		Bexhill-on-Sea	0.01	43	37	g	g	0.0
	Southport	...	44	40	o	o, bc, o	0.1		Eastbourne	0.02	43	35	om	om	0.0
	Buxton	0.01	38	31	bme	b	0.0		Seaford	...	44	35	om	o, bc	0.0
	Matlock	...	...	...	...	...	...		Brighton	...	44	35	om	o, bc	0.0
Wales.	Douglas	...	...	...	...	...	...		Worthing	...	41	38	o	o, d	0.0
	Rhyl	...	...	...	...	...	...		Littlehampton	...	...	...	...	...	...
	Colwyn Bay	...	44	39	bc	bc, m	0.0		Bognor	...	...	...	...	...	...
England, E.	Llandudno	...	...	...	...	...	...		Southsea	...	...	...	...	...	...
	Bettws-y-Coed	...	...	...	...	...	...		Bournemouth	0.01	41	34	o	c, o	0.0
	Aberystwyth	...	45	32	c, bc	c, om	1.5		Weymouth	...	42	33	bc, g	c	0.5
	Lowestoft	...	...	...	...	...	...		Teignmouth	...	43	34	o, bc	bc, c	0.5
England, E.	Felixstowe	0.01	43	36	dm, o	bc, m	1.1		Torquay	...	43	34	o	c, bc	0.0
	Walton-on-Naze	0.01	43	37	o	bc, o	0.0		Paignton	...	43	30	o	o	0.5
	Southend-on-Sea	...	41	33	o	o	0.0		Ilfracombe	...	45	35	of, bc	b, bc	...

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.		HUMIDITY.		TEMPERATURE.			Rain-fall.	WEATHER.			Sun-shine for Yesterday.	STATIONS.	RAIN-FALL.	TEMPERATURE.			WEATHER.			Sun-shine for Yesterday.	
				In Screen.		Min. on Grass.		Fore-noon.	After-noon.	Night.				In Screen.		Night Min. on Grass.	Night.	Fore-noon.	After-noon.		
		3 p.m. Yesterday.	9 a.m. To-day.	Max.	Min.		Max.				Min.										
		24 HOURS ENDED 9 A.M. TO-DAY.																			
		%	%				In.				Hr.		In.							Hr.	
Greenwich (Royal Obs.) ...		98	90	40	33	26	-	0	0	0	0.0	Dublin to 4 p.m.		-	44	33	32	c, b	fo	bm, f	0.0
City (Bunhill Row) ...		*	*	*	*	*	*	*	*	*	0.0	Plymouth to 9 p.m.		-	42	32	29	c, bw	of	og	0.0
Westminster (St. James's Pk.)		96	85	42	35	29	0.07	fe	fe	bc	0.0	Darwen "		-	40	37	36	om	of	dm	0.0
Camden Sq. (Brit. Rainfall)		98	93	40	32	28	0.06	of	om	bc, m	0.0	Manchester "		-	43	40	37	0	0	0	0.0
Hampstead (Reservoir) ...		*	94	38	32	28	0.06	of	bc, m	bc	0.0	Birmingham "		0.07	41	36	32	0	0	r	0.0
Kew. (See front page.)												Oxford to 8 p.m.		-	39	35	35	of	of gm	ogm, f	
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																					
				Total.		Average Rate.		Max. Rate.													
				Less than 4 Joules.		Less than 2 Milliunits.		Less than 1.5 Milliunits.													
S. Kensington (Roof of M.O.)		97	91	4		2		1.5		0.0		S. Kensington (Museum Grounds to 6 p.m.)		0.06	40	36	36	of d	omg	of d	

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

	16th & 17th Feb. 1913.	Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth	...	7.10	12.7	5.4
Greenwich	...	7.8	12.7	5.6
Wick	...	7.15	12.14	5.13
Valencia	...	7.13	12.14	5.15
	...	7.46	12.26	5.6
	...	7.44	12.26	5.8
	...	7.57	12.55	5.53
	...	7.55	12.55	5.55

NOTES ON YESTERDAY'S WEATHER.

On many parts of our Western and Southern coasts the thermometer rose to 45° or slightly above it, but at some inland stations in England it scarcely reached 40°. Over the greater part of the country there was an entire absence of bright sunshine in London a thick high fog prevailed, causing intense darkness through the greater part of the morning and afternoon. Slight rain was experienced in many districts. Weather reports showed that as far west as the 22nd meridian the wind was light to moderate from between S & E but that further to the W it varied between NW & NE; the weather was generally fair.

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

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

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Monday,
17th February, 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.	Wet Bulb.	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.						
																		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.
BRITISH ISLANDS.																							
Lerwick ...		In.	43	-	0	c	In.	In.	42	0	ENE	1	0	1	0.01	44	38	cm	ev	0.0	*		
Stornoway ...		30.44	43	MNE	5	odp	30.46	-0.0	40	0	N	2	bc	2	0.03	45	39	odp	odp	0.0	0.0		
Castletown (Barra Isd.) ...		30.40	46	-	0	op	30.43	-0.0	43	-2	SE	2	0	2	-	47	41	0.0	c.op	0.0	0.0		
Malin Head ...		30.39	43	SE	3	cy	30.40	-0.1	38	-3	SE	2	cm	2	-	45	37	cm	cm	0.0	*		
Blackod Point ...		30.33	46	ESE	2	c	30.36	-0.1	41	-3	NE	3	0	3	-	47	40	cm	cm	0.0	*		
Valencia ...		30.28	44	ENE	2	cy	30.30	-0.0	35	-2	ENE	1	0	3	-	48	34	bc	bc	0.0	1.8		
Roche's Point ...		30.30	44	NE	1	0	30.32	-	38	-4	NE	2	0	1	0.01	44	35	ogm	ogm	0.0	*		
Birr Castle ...		30.30	42	MNE	1	0	30.33	-	29	-12	NE	1	0	-	-	44	29	0	0	0.0	0.0		
Donaghadee ...		30.37	43	ENE	2	cy	30.41	-0.0	40	-3	ENE	2	0	2	-	43	39	cm	ogm	0.0	*		
Liverpool Obsy. ...		30.36	41	E	1	0	30.39	-0.0	35	-4	ENE	1	0	2	-	43	34	bc	bc	0.0	4.5		
Holyhead ...		30.28	41	E	4	bc	30.35	+0.1	39	-4	E	4	0	3	-	43	38	bc	bc	0.0	4.5		
Pembroke (St. Ann's Hd.) ...		30.25	40	NE	3	0	30.29	+0.2	36	-2	ENE	3	bc	2	Trace	45	35	bc	bc	0.0	4.7		
Newquay ...		30.18	41	N	1	0	30.23	+0.1	37	-1	NE	2	0	4	-	45	33	bc	bc	0.0	7.0		
Silly (St. Mary's) ...		30.16	43	ENE	3	bc	30.18	-0.0	41	-4	E	4	bc	3	-	47	39	cm	cm	0.0	3.7		
Jersey (St. Aubin) ...		30.11	42	NE	4	cm	30.15	-	40	-1	ENE	3	cm	3	-	46	38	bc	cm	0.0	5.0		
Portland Bill ...		30.20	44	ENE	4	0	30.21	-0.1	39	+2	NE	5	0	4	-	45	36	bc	bc	0.0	*		
Dungeness ...		30.20	43	ENE	5	bc	30.16	-0.1	41	+3	ENE	5	ogm	5	-	45	38	bc	bc	0.0	*		
Dover ...		30.28	40	NE	4	bc	30.25	-	39	+1	NE	4	0	6	-	44	37	bc	bc	0.0	7.9		
Wick ...		30.41	42	-	0	0	30.47	-0.0	41	+1	S	2	0	2	Trace	45	39	cm	cm	0.0	*		
Nairn ...		30.40	42	-	0	0	30.45	-	37	+2	-	0	0	1	0.03	46	34	cm	cm	0.0	0.6		
Aberdeen ...		30.43	43	-	0	0	30.49	+0.1	39	0	SSE	1	0	1	-	44	39	od	0	0.0	0.0		
Leith ...		30.41	40	-	0	0	30.46	-0.0	31	-8	NW	1	bc	2	-	43	27	0.0	bc	0.0	*		
North Shields ...		30.41	40	MNE	2	cy	30.42	-0.0	41	+1	NE	2	0	2	-	44	35	0.0	bc	0.0	*		
Spurn Head ...		30.37	41	E	4	0	30.35	-0.0	41	+2	NE	5	0	5	-	44	39	bc	bc	0.0	*		
Yarmouth ...		30.34	40	ENE	3	0	30.31	-0.2	40	0	NE	5	0	5	-	44	38	bc	bc	0.0	8.2		
Clacton-on-Sea ...		30.28	43	ENE	2	0	30.26	-0.0	40	-2	NE	3	0	3	-	45	38	bc	bc	0.0	8.0		
Nottingham ...		30.24	38	E	3	0	30.35	-	38	+3	MNE	4	dm	4	0.01	45	32	bc	bc	0.0	2.0		
Bath ...		30.26	39	E	2	0	30.30	-	37	0	E	3	0	4	-	47	33	-	-	0.0	5.9		
London (Kew Obsy.) ...		30.28	41	ENE	3	bc	30.27	-0.0	38	+4	NE	4	0	4	Trace	44	34	bc	bc	0.0	2.2		
IRELAND & FAEROE.																							
Isafjord ...		30.16	36	SW	6	0	29.93	-0.6	38	+6	SW	8	0	8	-	-	-	-	-	-	-	-	
Reykjavik ...		30.26	36	SE	3	0	30.19	-0.4	37	+4	S	6	0	6	-	-	-	-	-	-	-	-	
Vestmanna ...		30.41	37	SSE	1	0	30.37	-0.2	37	+3	SSW	7	0	3	-	-	-	-	-	-	-	-	
Seydisfjord ...		30.45	35	W	2	0	30.38	-0.3	35	+2	-	0	0	0	-	-	-	-	-	-	-	-	
Thorshavn ...		30.54	37	MNE	2	0	30.62	-0.1	37	-2	-	0	0	0	-	-	-	-	-	-	-	-	
SCANDINAVIA.																							
Haparanda ...		30.12	16	SW	2	bc	30.20	+0.1	27	+9	SW	4	0	4	-	27	16	-	-	-	-	-	
Hernösand ...		30.28	24	-	0	0	30.56	+0.5	36	+11	NW	4	0	4	-	39	23	-	-	-	-	-	
Stockholm ...		30.45	31	SW	2	0	30.53	+0.1	31	+4	WSW	2	0	2	Trace	32	27	-	-	-	-	-	
Wisby ...		30.46	30	ENE	2	0	30.55	+0.2	28	-3	SSE	2	0	2	-	32	27	-	-	-	-	-	
Karlstad ...		30.47	33	-	0	0	30.57	+0.8	34	+3	NNE	2	0	2	-	35	30	-	-	-	-	-	
Färder (X'ania Fjord) ...		30.47	34	SSE	1	0	30.54	+0.3	34	+1	NE	3	0	1	-	36	32	-	-	-	-	-	
Bodö ...		30.26	36	SW	5	0	30.52	+0.1	32	-10	WNW	6	0	4	0.16	39	32	-	-	-	-	-	
Christiansund ...		30.49	41	SW	3	0	30.65	+0.3	37	-4	ESE	1	bc	4	0.28	43	36	-	-	-	-	-	
Skudesnaes ...		30.51	39	-	0	0	30.51	-0.0	37	-1	E	2	0	1	-	39	34	-	-	-	-	-	
The Scaw (Skagen) ...		30.48	33	NE	1	0	30.49	+0.1	35	-1	ESE	4	0	1	-	36	30	-	-	-	-	-	
Blavands Huk ...		30.42	36	E	1	0	30.39	-0.1	34	-4	ENE	2	0	1	-	38	30	-	-	-	-	-	
GERMANY, &c.																							
Cuxhaven ...		30.37	34	NE	3	0	30.28	-0.2	34	-1	NE	4	0	4	-	37	34	-	-	-	-	-	
The Helder ...		30.35	37	ENE	4	0	30.29	-0.4	37	-	NE	5	0	2	-	39	36	-	-	-	-	-	
Brussels ...		30.24	34	ENE	3	0	30.18	-0.2	32	+2	NE	3	0	4	-	44	29	-	-	-	-	-	
Berlin ...		30.29	33	N	2	0	30.21	+0.2	30	-3	E	3	0	4	0.04	36	28	-	-	-	-	-	
Frankfurt ...		30.21	32	NE	1	0	30.11	-0.5	32	+4	NE	1	0	4	-	39	28	-	-	-	-	-	
Munich ...		30.19	26	E	3	0	30.11	-0.4	23	+4	E	5	0	4	Trace	28	19	-	-	-	-	-	
FRANCE.																							
C. Gris Nez ...		30.23	37	E	4	m	30.21	-0.1	34	0	ENE	5	0	4	-	45	34	-	-	-	-	-	
La Hève ...		30.11	38	ENE	3	bc	30.10	-	34	+4	ENE	2	0	4	-	43	32	-	-	-	-	-	
Brest (St. Mathieu) ...		30.11	41	MNE	3	0	30.12	-0.1	35	-4	NE	3	0	5	-	48	34	-	-	-	-	-	
Lorient (Bec Meles) ...		30.02	40	MNE	4	0	29.99	-	37	-	ENE	5	0	3	-	50	34	-	-	-	-	-	
Rochefort (Ile d' Aix) ...		30.02	34	E	3	0	29.98	-	34	-1	NE	4	0	4	-	46	32	-	-	-	-	-	
Biarritz ...		30.04	44	SW	3	0	29.91	-	45	+9	SSE	3	0	3	-	50	36	-	-	-	-	-	
Paris ...		30.13	35	NE	2	0	30.10	-0.1	31	-1	MNE	2	0	4	-	44	29	-	-	-	-	-	
Belfort ...		30.14	28	ENE	6	m	30.03	-	25	+1	ENE	6	0	4	-	36	24	-	-	-	-	-	
Lyons ...		30.07	36	NW	2	0	30.00	-	29	-2	-	0	0	4	-	44	25	-	-	-	-	-	
Nice ...		29.98	40	-	0	0	29.91	-0.1	37	+3	-	0	0	4	-	45	34	-	-	-	-	-	
Perpignan ...		29.97	45	NE	3	0	29.90	-0.1	41	0	SW	1	0	4	-	54	35	-	-	-	-	-	
Sanguinaire ...		29.93	41	N	5	m	29.91	-	41	-	SSE	3	0	3	0.04	46	36	-	-	-	-	-	
SPAIN, PORTUGAL, &c.																							
Corunna (S. a. m.) ...		29.96	53	ENE	2	0	29.94	-0.0	41	+1	E	2	0	2	-	55	36	-	-	-	-	-	
Lisbon (S. a. m.) ...		29.95	51	NW	2	0	29.91	+0.1	49	+4	SE	1	0	6	-	54	45	-	-	-	-	-	
Gibraltar ...		29.94	55	E	1	0	29.90	-	53	-4	W	1	0	1	0.01	64	52	-	-	-	-	-	
Azores (P. Delgada) ...		29.87	53	SE	4	0	29.7																

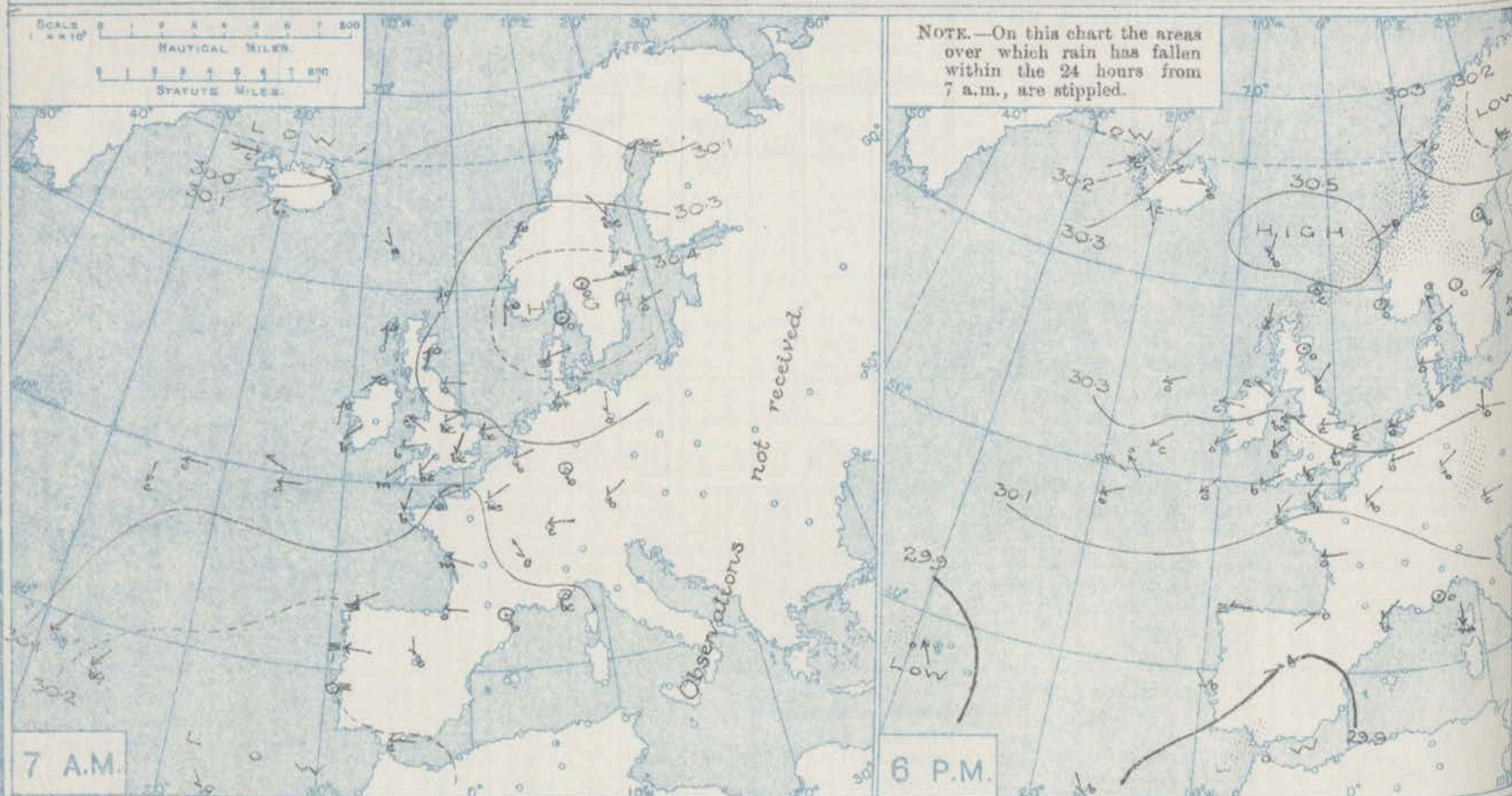
GALES.

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. 16TH FEB. 1913.



GENERAL INFERENCE

It appears probable that the central portion of the anticyclone will move somewhat to the eastward of its present position, but no important

WEATHER PROSPECTS.

change will occur in the general distribution of pressure. The gradient is, however, likely to increase over the south of these Islands and the nearer countries of the Continent.

FORECASTS FOR THE 24 HOURS NOON Monday TO NOON Tuesday.

- 0 {
a Wind between East and South
b East or South, light or moderate;
cloudy or fair; moderate or rather low
temperature.

1

2 {
a
b

Same as No. 5.

3

4 {
a North-easterly winds, light to fresh;
b cloudy or dull, some slight drizzle
locally; rather cold.

5

Wind mainly North-easterly, becoming stronger, especially on coast; cloudy or overcast, slight showers locally; temperature rather low.

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 and 1.

7 {
a
b

Wind mainly easterly, light to fresh, strong locally; cloudy, dull at times; rather cold.

8 {
a
b

9 {
a
b

Wind mainly between East and South-east, light or moderate; mostly fair, dull at times; moderately low temperatures.

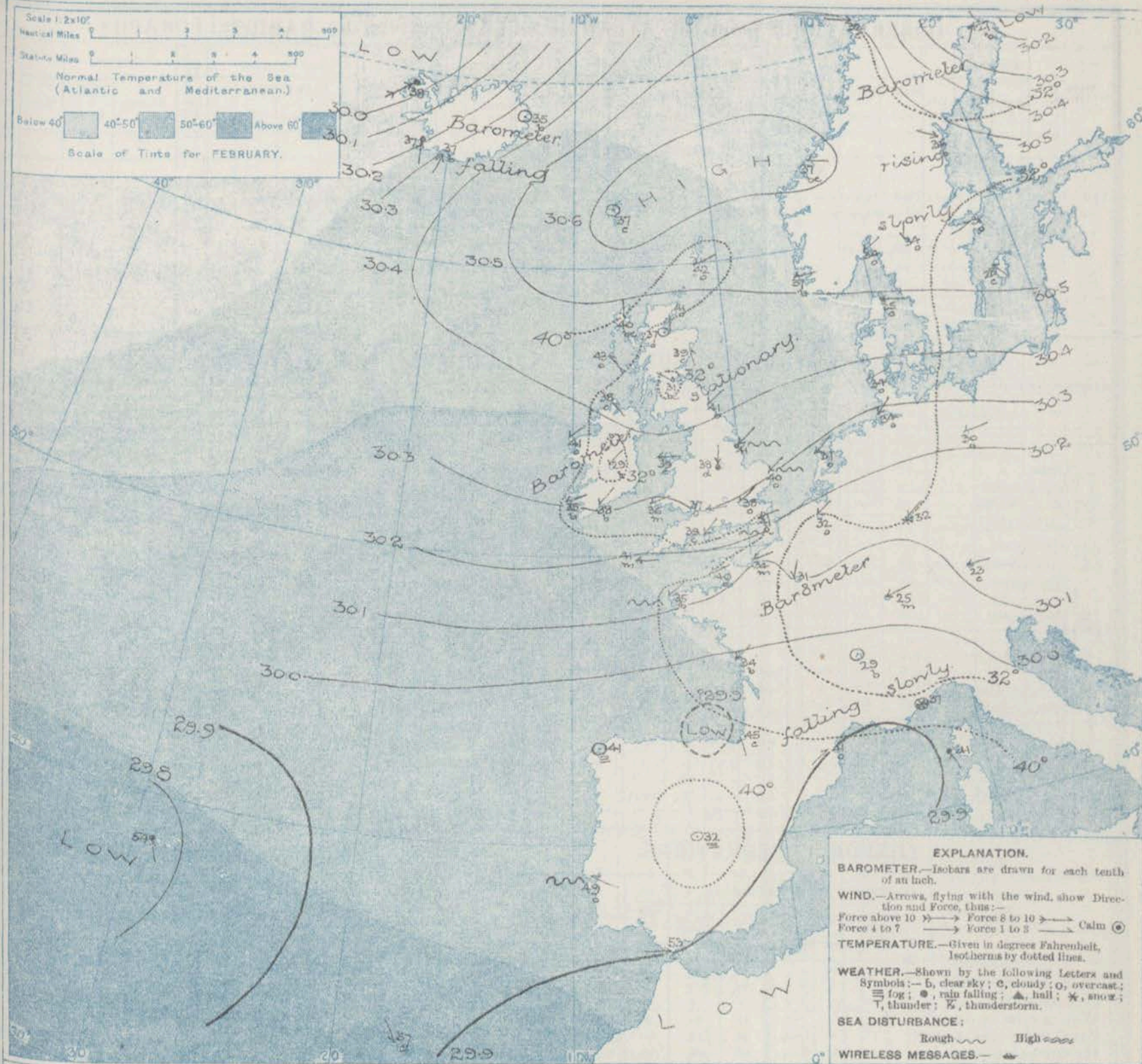
10 {
a
b

11 WESTERN CHANNEL AND BAY.

North-easterly or easterly winds, moderate to strong; sea rather rough; cloudy or dull, some rain and mist locally.

THE FURTHER OUTLOOK.

FEBRUARY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Barometric pressure is above 30.4 in. over the northern half of these Islands and a very large area to the northward and north-eastward, and above 30.6 in. over the ocean to the northward of Skotland. Over the Peninsula and the south-west of France it is below 30 in., and at Horta below 29.8 in. In a depression having its centre to the north-westward of Iceland it is apparently below 29.9 in.

Over these Islands, France and the North Sea region the wind is mainly Easterly or North-easterly, light or moderate generally, but fresh on our eastern and southern coasts. In Iceland it draws into South

and South-West, and blows a gale on the north-west coasts. Temperature has undergone no important change as a whole since yesterday. Over the United Kingdom it ranges from 43° at Castlebay, and 41° at Scilly and Dungeness to 31° at Lark, and to 29° at Birr Castle. Over these Islands and western and north-western Europe generally the sky is cloudy or overcast, and at Frankfurt and also at Nice snow is falling, while slight rain is reported at Nottingham and Spurn Head. In Iceland the weather is bright generally, but rainy in the west.

DAILY WEATHER REPORT.

Monday, 17th February 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.	Dirce.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dirce.	Force.	
16th. 6 p.m.	48	19	Mauretania	H	30.15	+0.04	ENE	6-7	0	16th. 6 p.m.	51	16	Teutonic	O	30.22	+0.02	NE	4-5	0
" "	50	19	Montezuma	H	30.21	+0.05	ESE	6-7	0	" "	49	10	Lake Erie	H	30.22	0.00	NE	4-5	0
" "	50	18	Tunisian	O	30.23	0.00	SE	4-5	0	" 1 p.m.	49	12	Lake Erie	H	30.21	0.00	E	4-5	0
" "	55	16	Columbia	O	30.42	+0.03	ENE	6-7	0										

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

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.	
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.
		In.	"	"			Hr.			In.	"	"		
Scotland.	Oban							Margate			4.5	3.6	b	b
	Stonhaven							Ramsgate			4.5	3.7	b	b
	St. Andrews							Deal			4.5	3.7	b	b
	Carnoustie							Folkestone			4.6	3.8	b, b	b, bc
Engl. N.E.	Harrogate	0.02	4.2	3.4	c, bc	b, bc, c	4.0	Littlestone			"	"	b, b	b
	Scarborough	"	4.4	3.6	c, bc	b	2.1	Hastings			4.5	3.4	b, b	b
England, N.W.	Blackpool	"	4.3	3.4	c	b	5.9	Bexhill-on-Sea			4.6	3.5	g, bc, b	b
	Southport	"	4.3	3.5	c, bc	bc, b, b	4.3	Eastbourne			4.4	3.1	o, b	b
	Buxton	"	4.1	3.3	c, bc	bc	4.6	Seaford						
	Matlock	"						Brighton			4.7	3.4	b, b	b, b
	Douglas	"						Worthing	0.07		4.6	3.4	b	b
Wales.	Rhyl	"	4.4	3.8	b	b	6.1	Littlehampton			"	"	"	"
	Colwyn Bay	"	4.4	3.7	bc	bc, m	5.3	Bognor						
	Llandudno	"	4.4	3.9	bc	b	4.7	Southsea	0.11		4.6	3.4	b	bc
	Bettws-y-Coed	"						Bournemouth	0.10		4.6	3.3	b, bc	b
	Aberystwyth	"	4.5	3.5	m	b	4.2	Weymouth	"		4.6	3.5	b, b	b, b
England, E.	Lowestoft	"	4.5	3.7	b	b, bc	8.4	Teignmouth	"		4.7	3.8	b	b
	Felixstowe	"	4.5	3.4	b	bc	5.3	Torquay	"		4.7	3.8	b	b
	Walton-on-Naze	"	4.4	4.1	b	b	7.8	Paignton	"		4.6	3.1	b	b
	Southend-on-Sea	"	4.6	3.3	b	b	7.3	Ilfracombe	"		4.5	4.0	c, bc, b	b
								Weston-super-Mare	"		4.5	3.5	b	b

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain-fall.	WEATHER.		
	3 p.m. Yester- day.	9 a.m. To- day.	In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.
			Max.	Min.					
			24 HOURS ENDED 9 A.M. TO-DAY.						
Greenwich (Royal Obsy.) ...	55	83	46	35	27	-	b	bc	cx
City (Rushill Row) ...	*	*	*	*	*	*	*	*	*
Westminster (St. James's Pl.)	55	91	47	35	31	-	b	bc	m
Camden Sq. (Brit. Rainfall)	-	86	46	35	28	-	bcom	c, bc	bc, o
Hampstead (Reservoir) ...	*	92	44	35	29	-	bc	bcx	o
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.						
			Total.		Average Rate.		Max. Rate.		
S. Kensington (Roof of M.O.)	-	86	4.55 Joules.		12.4 Milliwatts.		25 Milliwatts.		

Additional Observations for Yesterday.

Additional Observations for Testers								Sun-shine for Yesterday.
STATIONS.	RAIN-FALL.	TEMPERATURE.			WEATHER.			
		In Screen.		Night Min. on Grass.	Night.	Fore-noon.	After-noon.	
		Max.	Min.					
Dublin to 4 p.m.	In.							
Plymouth to 9 p.m.	0.01	45	34	34	bm, c, o	o, c	o, c	
Darwen "	"							
Manchester "	?	46	37	27	c, bc, b	bc, b	b, b	
Birmingham "	0.07	43	34	26	b	c	b	
Oxford to 8 p.m.	"	47	33	30	od, bm	bm, dm	bm	
S. Kensington (Museum Grounds to 6 p.m.)	0.01	46	25	26	bc	bm, b	bm	

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

STATIONS.	17th Feb. 1913.		
	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 7.5 7.6	G.M.T. 12.7 12.7	G.M.T. 5.6 5.8
Greenwich ...	7.13 7.11	12.14 12.14	5.15 5.17
Wick ...	7.44 7.41	12.26 12.26	5.3 5.11
Valencia ...	7.65 7.53	12.35 12.35	5.55 5.57

NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature remained below 45° over the greater part of these islands, and at night fell to 27° at Leith. Much bright sunshine was recorded over England and Wales, the highest records being more than 8 hours in various places on the south west, south east, and east coasts. In Scotland and Ireland the day was cloudy or overcast. Wireless reports show that as far as the 20th meridian ships experienced light to fresh or strong winds from between South-East and North-East.

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
18th February 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.		
Lerwick	In.	30.47	42	S	2	c	In.	30.43	-0.02	40	-2	S	3	c	1	In.	0.03	44	38	o	c	cp	Hours
Stornow		30.41	42	SE	1	bz		30.45	+0.02	36	-4	SW	1	o	1			46	35	bc.b	bz	bz	7.2
Castlebr.	(d.)	30.41	44	SSW	2	o		30.46	+0.03	41	-2	S	2	o	3			45	40	om	om.o	om.o	0.0
Malin Head...		30.39	42	SE	1	z		30.40	+0.01	40	+2	SE	3	bc.m	2			44	36	bc	bc	bc	
Blacksod Point		30.34	44	NE	2	m		30.34	0.00	36	-5	NE	1	c	2			44	33	om	om	om	
Valencia		30.29	45	E	1	bz		30.27	+0.01	39	+4	ESE	1	o	3			50	32	bz	bz	bz.o	7.9
Roche's Point		30.30	39	ENE	1	o		30.25		40	+2	ENE	3	o	2			45	36	bc.m	bc.m	c.o	
Birr Castle		30.31	42	NE	1	bc		30.30		39	+10	NE	2	o	*			45	27	bc	bc	bc.o	5.9
Donaghadee		30.37	42	NE	3	bc		30.29	+0.02	39	-1	E	4	c	3			42	39	bc.m	bc.m	bc.c	
Liverpool Obsy.		30.30	40	NE	3	o		30.36	+0.01	33	-2	ENE	3	b	3			42	32	agg.	o	bc	0.0
Holyhead		30.32	43	E	4	o		30.33	+0.02	37	-2	SE	5	c	4			45	36	bc	om	om	
Pembroke (St. Ann's Hd.)		30.24	41	ENE	3	o		30.23	+0.02	33	-3	NE	3	b	3			44	32	bc.m	bc.m	om	2.1
Newquay		30.18	40	NE	2	c		30.14	+0.01	32	-5	NE	3	bc	3			42	31	c.b	b.b.c	b.b.x	5.1
Scilly (St. Mary's)		30.17	41	ENE	3	cm		30.11	+0.02	36	-5	ENE	5	bc	4			46	34	bc.m	bc.m	cm	4.2
Jersey (St. Aubin)		30.07	42	NE	4	ogm		30.03		36	-4	E	4	cm	3	0.01	43	34	ogm.c	c.ogm	cp.cm	1.0	
Portland Bill		30.12	41	NNE	3	c		30.11	0.00	35	-4	NNE	6	bc	5			42	33	e	c	bc.c	*
Dungeness		30.02	39	NE	7	org		30.06	0.00	35	-6	ENE	7	org	6	0.02	41	34	o.c	org	c.org		
Dover		30.12	35	SSE	5	s		30.17		40	+1	NE	6	c	6	0.03	40	31	o.c	bc.o	f.s.c	0.4	
Wick		30.44	41	S	3	c		30.44	+0.01	38	-3	SSW	2	bc	2	Trace	41	36	om.d	o.cm	cm.bm		
Nairn		30.42	37	-	0	b		30.45		28	-9	-	0	c	1			42	24	m.o	bc	cy	1.0
Aberdeen		30.48	39	SE	2	r		30.50	+0.02	39	0	S	3	o	2	0.03	45	37	b.b.c	c.o.d	od	2.6	
Leith		30.44	39	ENE	1	o		30.46	+0.04	37	+6	SE	2	o	*	0.01	42	30	bc.c	c.org	od.		
North Shields		30.41	38	E	2	c		30.44	+0.02	38	-3	E	3	c	3	Trace	42	35	o.od	c	c		
Spurn Head		30.28	38	NE	7	c		30.33	0.00	36	-5	ENE	8	eqm	6	0.05	42	32	or	cpq	cpq		
Yarmouth		30.22	36	ENE	7	o		30.30	+0.02	35	-5	NE	6	b	6	0.03	41	34	op.bc	bc.p	c.b	0.4	
Clacton-on-Sea		30.14	37	NNE	4	o		30.19	0.00	35	-5	ENE	6	bc	5	0.02	41	34	o	c.o.s	o.b.c	0.2	
Nottingham		30.26	39	NE	4	o		30.32		33	-5	NE	4	b	*	0.01	41	32	dm.o	o.b	op.c	0.0	
Bath		30.18	40	NE	2	o		30.22		32	-5	E	4	b	*	-	43	31	-	-	-	0.0	
London (Kew Obsy.)		30.15	39	NE	5	o		30.19	+0.01	33	-5	NE	5	o	*	0.01	42	33	c	c.o.c	org	0.6	
Isafjord		29.98	31	W	7	S		30.24	+0.03	28	-10	W	6	c	*	*	*	*	*	*	*		
Reykjavik		30.11	38	S	3	o		30.34	+0.04	28	-9	-	0	b	*	*	*	*	*	*	*		
Vestmanna		30.21	37	SW	1	r		30.40	+0.02	29	-8	-	0	b	3	*	*	*	*	*	*		
Seydisfjord		30.08	37	SW	5	c		30.25	+0.04	27	-8	NW	8	o	*	*	*	*	*	*	*		
Thorshavn		30.41	37	-	0	r		30.35	+0.01	28	+1	NNW	3	c	*	*	*	*	*	*	*		
Haparanda		30.67	15	NW	4	b		30.49	-0.10	10	-17	SSW	4	c	*	*	*	30	-2				
Hernösand		30.75	22	-	0	b		30.65	-0.08	25	-11	S	4	b	*	*	*	39	12				
Stockholm		30.66	30	N	2	b		30.69	+0.01	21	-10	N	2	bc	*	*	*	26	21				
Wisby		30.56	33	N	4	o		30.64	+0.03	31	+3	ENE	2	bc	*	*	*	34	27				
Karlstad		30.70	31	-	0	c		30.70	0.00	26	-8	-	0	bc	*	*	*	41	25				
Færdø (X'ania Fjord)		30.65	37	ENE	1	c		30.66	0.00	28	-6	ENE	1	bc	1	-	37	28					
Bodø		30.32	30	SW	2	b		30.10	-0.14	38	+6	SW	7	r	4	-	38	30					
Christiansund		30.52	43	ESE	1	c		30.45	-0.03	40	+3	SW	3	r	4	0.04	43	36					
Skudesnaes		30.61	38	-	0	b		30.61	0.00	38	+1	S	4	o	2	-	43	36					
The Scaw (Skagen)		30.62	35	E	2	o		30.58	0.00	35	0	ESE	2	o	0	-	36	34					
Blaavands Huk		30.54	30	E	3	o		30.57	+0.01	25	-9	E	2	bc	1	-	34	23					
Cuxhaven		30.44	31	E	5	b		30.46	+0.01	26	-8	E	4	b	*	*	*	34	26				
The Helder		30.28	33	ENE	6	b		30.36	+0.01	23	-9	ENE	6	b	4	-	37	28					
Brussels		30.42	31	NE	3	c		30.45	0.00	23	-9	ENE	5	b	*	0.04	35	23					
Berlin		30.40	26	E	3	b		30.47	+0.02	20	-10	E	3	bc	*	*	*	32	19				
Frankfurt		30.44	32	NE	2	b		30.49	+0.02	21	-11	NE	3	b	*	0.04	36	21					
Munich		30.06	23	E	7	b		30.13	+0.01	16	-7	E	4	b	*	*	*	30	14				
C. Gris Nez		30.07	33	NE	5	c		30.10	-0.01	28	-6	ENE	5	bc	5	Trace	39	27					
La Hève		30.02	34	ENE	2	o		30.00		27	-7	ENE	2	m	2	-	39	25					
Brest (St. Mathieu)		30.09	42	ENE	3	o		30.02	+0.02	33	-2	ENE	4	bc	2	-	46	32					
Lorient (Bec Melen)		29.98	40	NE	5	c		29.91		33	-4	NE	5	b	2	0.03	50	32					
Rochefort (Ile d' Aix)		29.89	41	NE	4	bc		29.83		32	-2	NE	4	c	*	*	*	43	30				
Biarritz		29.84	47	NNE	3	o		29.84		37	-8	ESE	3	o	2	-	52	34					
Paris		29.97	33	NNE	3	o		29.97	0.00	27	-4	NE	4	b	*	Trace	40	27					
Belfort															*	*	*						
Lyons		29.88	32	-	0	o		29.85		29	0	-	0	s	*	0.20	38	28					
Nice		29.91	35	-	0	c		29.90	+0.01	33	-4	E	2	o	6	-	41	32					
Perpignan		29.81	45	SE	2	o		29.72	-0.02	41	0	NE	2	o	*	Trace	49	41					
Sanguinaire		29.97	40	SE	3	r		29.94		46	+5	E	2	c	3	0.28	46	36					
Corunna (8 a.m.)		29.95	51	N	3	o		29.90	0.00	47	+6	NNE	1	o	5	-	52	41					
Lisbon (9 a.m.)									</														

GALES.

Duration and Extreme Force,
on British Coasts.

Dungeness.

7pm - 11pm. Extreme E. 8.

Spurn Head.

5pm - 7am do ENE. 8

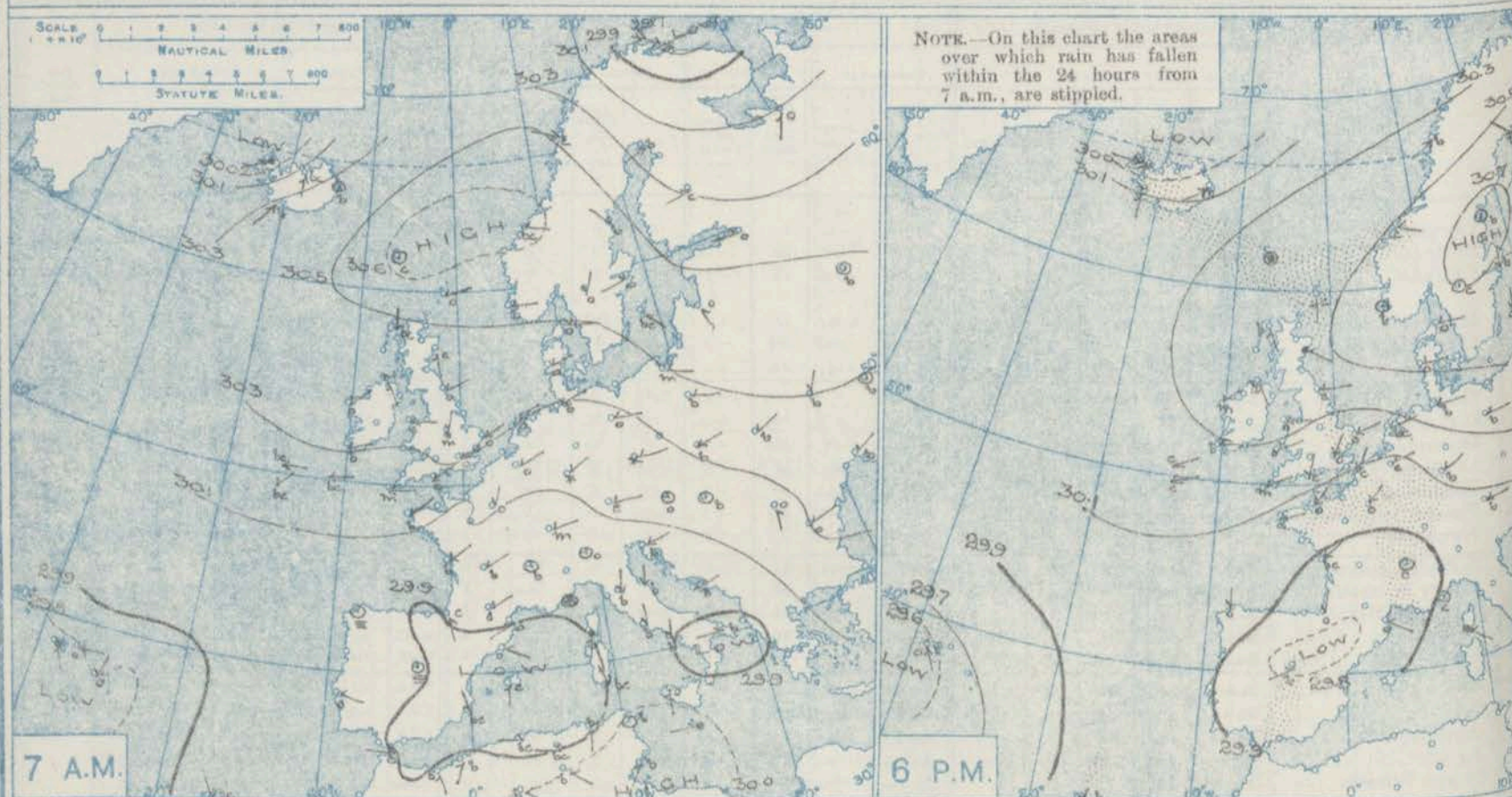
London (Kew Obsy.)

8.20pm. Squall 41mph (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. 17TH FEB. 1913.



GENERAL INFERENCE

WEATHER PROSPECTS.

The pressure distribution appears likely to continue favourable for winds from East or North-

East over the Kingdom generally, and temperature is likely to decrease.

FORECASTS FOR THE 24 HOURS NOON Tuesday

TO NOON Wednesday.

- 0 { a Wind light to moderate, mainly between South-East and North-East; fair or fine; temperature low.
- 1 { b
- 2 { a Wind between East and North-East, fresh or strong, a gale at times locally on coast; mostly fair, some sleet or snow showers in places; very cold.
- 3 { b
- 4 { a Easterly or North-Easterly winds, moderate or fresh; mostly fair or fine, very cold.
- 5 { b
- 5 { a Wind between East and North-East, a gale at times on coast, moderate or fresh inland; mostly fair, some hail or snow showers locally; very cold.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

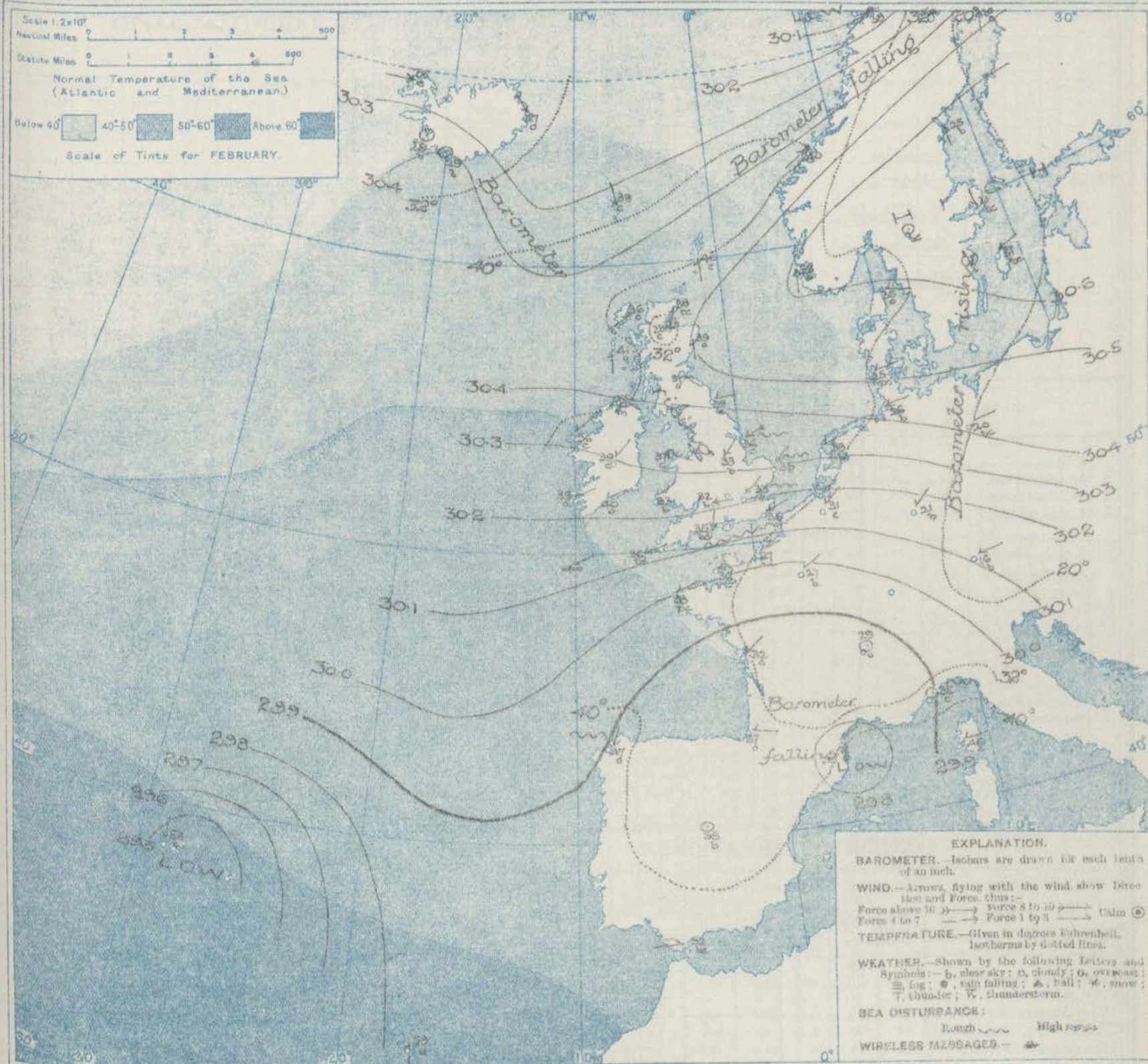
North Coast hoisted at 7.5 p.m. yesterday in districts 2, 3, 5, 6, 7, 8 and 11.

- 6 { a Same as Nos. 0 and 1.
- 7 { b
- 7 { a Easterly or North-Easterly winds, moderate to strong; mostly fair;
- 8 { b temperature very low.
- 8 { a
- 9 { b Wind mainly Easterly, light or moderate, fresh locally; generally
- 10 { a fair or fine; temperature low.
- 10 { b
- 11 WESTERN CHANNEL AND BAY. Easterly and North-Easterly winds, fresh or strong to a gale; sea rough or rather rough; mostly fair.

THE FURTHER OUTLOOK. (All Districts)

Cold weather continuing.

SYNOPTIC CHART FOR 7 A.M. TUESDAY, 18TH FEBRUARY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure is above 30.6 in. over the south of Norway, most of Sweden, Finland and the northern parts of Russia, while it is below 29.9 in. over the Spanish Peninsula and the southern half of France, and below 29.5 in. at the Azores.

The main wind current over the United Kingdom, the North Sea, Central Europe and France is Easterly, but in the north of Scotland and most of Scandinavia there is a Southerly to South-Westerly breeze. A gale is reported at Spurn Head, and strong or high winds on some

other parts of the English coast. In the east of Iceland there is a North-Westerly gale, and the South-Westerly wind is high at Bodø. Temperature has fallen in most regions. Over these Islands it ranges from 41° at Borðarfjörður to about 32° in Central England, and to 28° at Naum. Severe frost is general over central Europe. The weather prevails over the greater part of our area, but in a few localities, mostly in the south-west of France and the south of Ireland, the sky is overcast; on the north-west coast of Norway rain is falling and snow is reported at Lyngs.

DAILY WEATHER REPORT.

Tuesday, 18th February 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. 7 a.m.	49	10	Ascania	H	30.13	+0.01	ENE	4-5	o										
17th. 6 p.m.	49	13	Ascania	H	30.19	+0.01	NE	4-5	o	17th. 1 p.m.	49	11	Vaderland	O	30.26	+0.02	ENE	4-5	bc
" "	49	13	Vaderland	O	30.22	.00	ENE	4-5	c	" 7 a.m.	50	16	Montezuma	H	30.25	.00	E	6-7	bc
" "	50	13	Montezuma	H	30.21	.00	ENE	6-7	c	" "	49	16	Ascania	H	30.21	.00	NE	1-3	bc
" "	51	9	Carnaria	O	30.32	+0.01	E	1-3	c	" "	50	11	Mauretania	H	30.25	+0.02	E	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	0.01	47	37	bc	c, b	5.9	England, S.E.	Margate	0.01	47	39	chgo	ou	0.4
	Stonehaven								Ramsgate		44	37	*	*	0.3
	St. Andrews	1	42	28	o, c	b	1.7		Deal	0.02	41	35	o, p, q	bc, d	0.4
	Carnoustie								Folkestone	0.03	41	37	or	os	0.4
Engl. N.E.	Harrogate	0.03	40	33	c, o	o, p	0.0	England, S.W.	Littlestone						0.2
	Scarborough		42	39			0.0		Hastings	0.03	41	35	b, c	bc, o, p	0.2
England, N.W.	Blackpool		44	33	o, e	o	0.3		Bexhill-on-Sea	0.02	41	36	g	bc, p	0.4
	Southport		43	32	o, bc	o, bc, o	0.3		Eastbourne	0.03	42	34	o, c	or	0.1
	Buxton	0.01	37	31	c	c, r	0.0	England, S.W.	Seaford	0.09	41	35	o	or	0.2
	Matlock								Brighton	0.02	42	38	o	or	0.2
Wales.	Douglas								Worthing		42	37	c	c, o	0.1
	Rhyl		42	29	b	c, o	0.0		Littlehampton						0.1
	Colwyn Bay		42	30	bc	bc, m	0.0	England, S.W.	Bognor						0.0
	Llandudno		43	37	o	b	0.0		Southsea		42	34	o, c	o, c, o	0.0
England, E.	Bettws-y-Coed								Bournemouth		42	36	o	o	0.1
	Aberystwyth		44	35	c, b, o	om	0.7		Weymouth	0.02	42	36	o	o	0.0
	Lowestoft	0.02	41	35	o, c, p, s, r	o, c, o	0.2	England, S.W.	Teignmouth		42	37	c	c	0.0
	Felixstowe	0.03	41	35	em	c, p, q	0.2		Torquay		43	39	o	o	0.0
England, E.	Walton-on-Naze	0.01	44	32	o, bc, o	o, q, r, h	0.5		Paignton		42	39	c	c	0.2
	Southend-on-Sea		40	36	o	o	0.0		Ilfracombe		44	39	o	o	0.0
									Weston-super-Mare		41	33	bc	bc, c	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.		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.) ...	74	77	42	32	28	0.02	o	or	ors	0.1	Dublin to 4 p.m.	-	48	38	33	c, o	bc	bc	0.1	
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	0.2	Plymouth to 9 p.m.	-	43	37	32	c, b	c, bz	c, b	0.1	
Westminster (St. James's Pk.)	78	97	46	33	29	0.01	o	m, bc	r, bc	0.1	Darwen "	-	39	34	29	og	o, c	b	0.1	
Camden Sq. (Brit. Rainfall)	80	91	44	31	26	0.01	o, c	bc	o, p, s, b	1.0	Manchester "								0.0	
Hampstead (Reservoir) ...	*	81	41	30	25	-	bc	bcx	bc	1.2	Birmingham "	0.03	39	32	24	o	m	o	0.0	
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.										Oxford to 8 p.m.							
			Total.		Average Rate.		Max. Rate.													
S. Kensington (Roof of M.O.)	79	72	183 Joules.		5.1 Milli-watts.		14 Milli-watts.		0.1		S. Kensington (Museum Grounds to 6 p.m.)	-	41	36	29	o	o	bc	0.1	

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

18th. 19th. Feb. 1913.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	7.6	12.7	5.8
	7.4	12.7	5.10
Greenwich	7.11	12.14	5.17
	7.9	12.14	5.19
Wick	7.41	12.26	5.11
	7.38	12.26	5.14
Valencia	7.53	12.55	5.37
	7.51	12.55	5.59

NOTES ON YESTERDAY'S WEATHER.

During yesterday the thermometer remained below 45° in almost all parts of the Kingdom, but touched 50° at Valencia. Frost occurred in many places. Slight showers of rain, hail, sleet, or snow occurred in various localities in Great Britain, and the day generally was very cloudy or quite overcast. In Ireland and west of Scotland, however, and also on the coast of Cornwall, there was much bright sunshine.

NOTE.—The information relating to weather is indicated by the following letters—b, blue sky; bc, sky half clouded; s, 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.

12.25

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

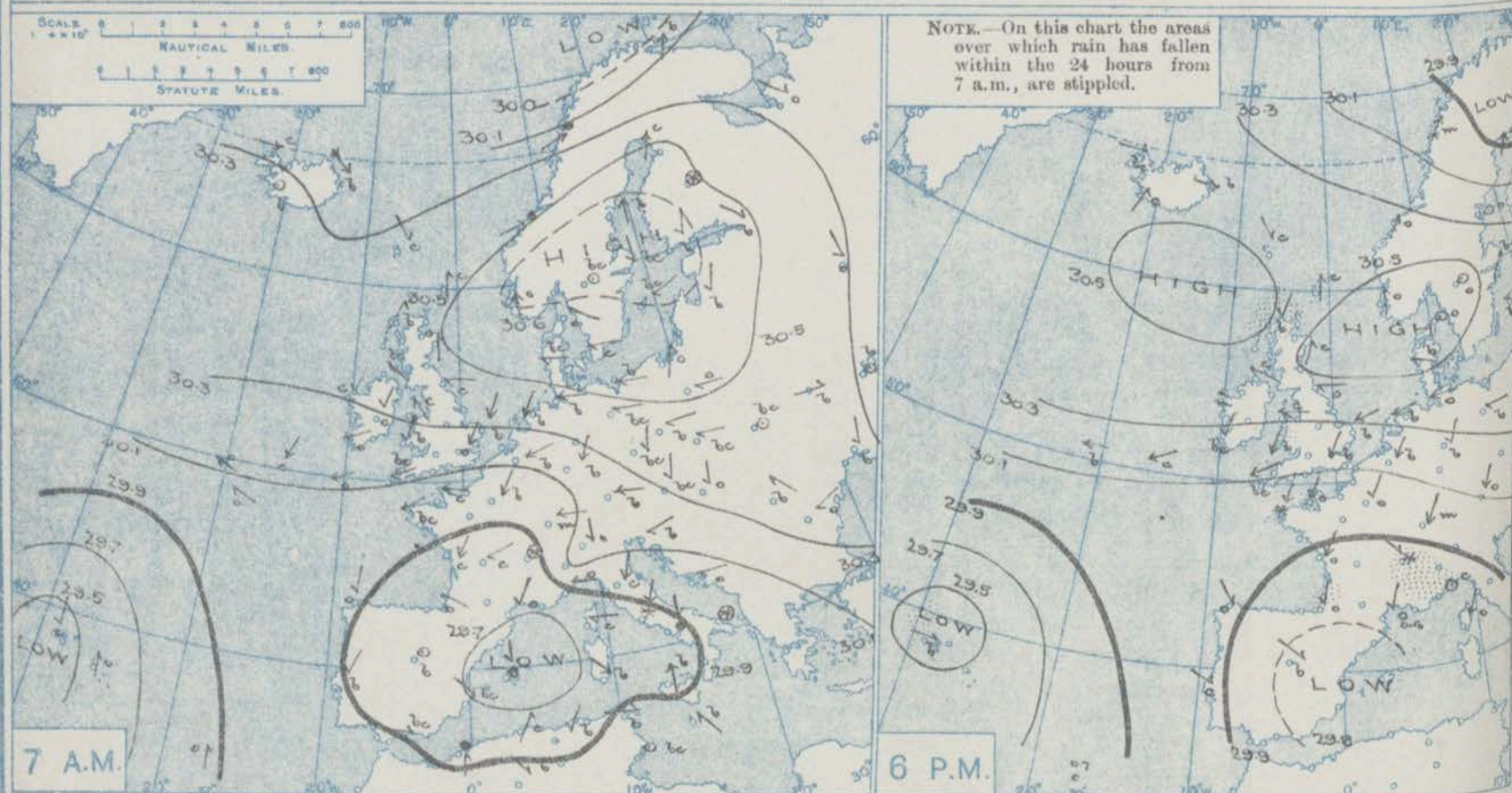
Wednesday
19th February 1913.

STATIONS.	YESTERDAY EVENING.						THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shine for Yester- day.
	BAROM.		TEMP.		WIND.		BAROMETER.		TEMP.		WIND.		Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.						
	At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Force (0 to 12).	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.	After'n. 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.			
Lerwick	30.43	42	S	2	C	30.44	-0.02	38	-2	-	0	0	0	0	43	36	bc	cm	cm	5.6			
Stornoway	30.50	41	NE	1	bz	30.49	-0.01	36	0	NE	2	0	2	0.03	48	33	b-bc	bep. bz	bc. op	0.0			
Castlebay (Barra Isd.)	30.49	41	-	0	om	30.46	-0.01	41	0	NNE	3	0	2	Trace	43	39	0	om	m op	0.0			
Malin Head... ..	30.42	38	ESE	3	cg	30.39	-0.03	37	-3	SE	4	0	2	-	43	36	og	bcg	og	-			
Blacksod Point	30.37	41	ENE	5	m	30.35	-0.01	35	-1	ENE	2	0	3	-	41	35	om	om	om	-			
Valencia	30.29	37	NE	1	bc	30.23	-0.02	33	-6	ENE	3	0	3	-	42	31	bcg	bcg	bcg	1.6			
Roche's Point	30.27	37	NE	3	b	30.22	-0.02	32	-8	ENE	3	0	2	-	40	31	og	c-b	bc	-			
Birr Castle	30.32	36	NE	1	c	30.26	-0.02	31	-8	NE	3	0	2	-	40	30	c	c	bc	1.8			
Donaghadee	30.41	40	NE	4	bc	30.38	-0.00	36	-3	NE	4	0	3	-	41	36	bc	bc	bc	-			
Liverpool Obsy.	30.34	35	ENE	4	b	30.31	-0.01	30	-3	NE	2	0	3	-	39	29	bc	bc	bc	4.0			
Holyhead	30.33	38	E	6	c	30.29	-0.00	35	-2	E	7	0	6	-	45	35	bc	bc	bc	-			
Pembroke (St. Ann's Hd.)	30.20	36	NE	5	b	30.16	-0.03	30	-3	NE	3	0	1	Trace	40	28	b	b	b	7.5			
Newquay	30.11	36	NNE	4	b	30.08	-0.00	30	-2	NE	2	0	4	-	38	30	b	b	bc	8.0			
Scilly (St. Mary's)	30.19	37	ENE	5	bc	30.03	-0.02	35	-1	NE	5	0	5	-	40	32	cg	bc	bc	6.1			
Jersey (St. Aubin)	29.96	36	NE	5	ogm	30.00	-0.00	35	-1	ENE	4	0	4	0.04	39	32	inspc	cm om	om om	3.7			
Portland Bill	30.08	37	NE	7	b	30.08	+0.01	33	-2	ENE	6	0	4	-	39	32	bc	bc	bc	-			
Dungeness	30.05	36	ENE	7	cg	30.08	-0.00	31	-4	E	4	0	4	-	38	30	c-bc	bc	bc	-			
Dover	30.15	33	NE	6	b	30.16	-0.00	30	-10	NE	5	0	6	-	36	29	c-bc	b-bc	bc	6.7			
Wick	30.48	40	N	2	c	30.47	-0.01	34	-4	NW	1	0	3	0.02	42	32	bc end	omp	om	-			
Nairn	30.47	38	-	0	c	30.44	-0.00	34	+6	-	0	0	1	0.04	40	26	cgd	cg	g. pd	1.4			
Aberdeen	30.52	39	SSW	1	c	30.48	-0.01	32	-7	W	1	0	1	-	40	32	c-c	c	c-b	0.1			
Leith	30.51	38	E	1	c	30.43	-0.01	33	+1	ENE	2	0	2	-	41	37	c-bc	c	c	-			
North Shields	30.46	38	E	3	0	30.40	-0.00	37	-1	SE	3	0	4	-	41	35	c	c	c	1.2			
Spurn Head	30.33	37	ENE	7	c	30.28	-0.00	37	+1	ENE	7	0	6	-	40	33	bcg	bcg	bcg	-			
Yarmouth	30.29	35	ENE	7	b	30.26	-0.00	34	-1	E	5	0	6	-	37	33	b	b	bc	8.5			
Clacton-on-Sea	30.18	35	NE	6	bc	30.17	-0.00	34	-1	ENE	6	0	5	-	37	33	bc	bc	bc	8.4			
Nottingham	30.31	33	E	4	b	30.26	-0.00	31	-2	ENE	5	0	4	-	39	30	b-bc	bc	b	8.3			
Bath	30.18	35	E	4	bcg	30.17	-0.00	30	-2	E	1	0	4	-	40	29	-	-	-	7.7			
London (Kew Obsy.)	30.17	34	NE	5	ogm	30.16	-0.00	31	-2	NE	4	0	5	-	38	30	om c	cg. bz	om bz	5.1			
Isafjord	30.36	29	W	3	bc	30.32	-0.00	24	-4	W	5	0	5	-	-	-	-	-	-	-			
Reykjavik	30.38	33	W	3	b	30.39	-0.00	33	+5	W	3	0	3	-	-	-	-	-	-	-			
Vestmanna	30.48	33	SW	1	c	30.44	-0.01	32	+3	NW	2	0	2	-	-	-	-	-	-	-			
Seydisfjord	30.42	29	W	4	b	30.25	-0.02	29	+2	SW	8	0	8	-	-	-	-	-	-	-			
Thorshavn	30.49	37	NW	2	c	30.45	-0.05	33	-5	-	0	0	0	-	-	-	-	-	-	-			
Haparanda	29.87	29	SW	6	0	29.89	+0.01	20	+10	WNW	2	0	2	-	28	10	-	-	-	-			
Hernösand	30.29	30	-	0	0	30.21	+0.01	29	+4	WSW	2	0	2	-	34	23	-	-	-	-			
Stockholm	30.49	26	SW	2	bc	30.27	-0.04	26	+5	W	2	0	2	-	30	21	-	-	-	-			
Wisby	30.54	26	ENE	2	b	30.36	-0.05	29	-2	W	6	0	6	-	32	23	-	-	-	-			
Karlstad	30.51	28	-	0	0	30.35	-0.02	23	-3	-	0	0	0	-	30	21	-	-	-	-			
Færder (X'ania Fjord)	30.53	30	SW	2	c	30.34	-0.02	31	+3	WSW	2	0	2	-	31	28	-	-	-	-			
Bodö	29.95	32	SW	8	m	29.99	+0.01	24	-14	W	6	0	6	-	39	21	-	-	-	-			
Christiansund	30.33	39	SW	6	0	30.34	-0.02	35	-5	WNW	2	0	4	0.24	41	34	-	-	-	-			
Skudesnaes	30.57	37	S	2	0	30.44	-0.03	35	-3	-	0	0	2	-	38	34	-	-	-	-			
The Scaw (Skagen)	30.56	34	-	0	0	30.39	-0.03	34	-1	WSW	2	0	0	-	36	32	-	-	-	-			
Blaavands Huk	30.54	26	ESE	1	b	30.47	-0.02	31	+6	E	1	0	1	-	34	23	-	-	-	-			
Cuxhaven	30.48	29	E	4	b	30.42	-0.00	29	+3	E	3	0	3	-	34	26	-	-	-	-			
The Helder	30.35	31	ENE	6	b	30.32	-0.02	29	+1	ENE	5	0	4	-	32	27	-	-	-	-			
Brussels	30.14	28	NE	5	b	30.13	-0.01	23	0	ENE	5	0	3	-	33	21	-	-	-	-			
Berlin	30.45	27	E	3	b	30.44	-0.00	25	+5	E	3	0	3	-	30	20	-	-	-	-			
Frankfurt	30.22	27	NE	3	b	30.19	+0.01	21	0	NE	2	0	2	-	36	19	-	-	-	-			
Munich	30.13	22	NE	5	b	30.12	-0.02	15	-1	E	4	0	4	-	28	14	-	-	-	-			
C. Gris Nez	30.08	31	NE	6	m	30.12	+0.01	23	-5	ENE	5	0	5	-	34	23	-	-	-	-			
La Hève	30.01	30	ENE	1	0	29.99	-0.00	25	-2	E	4	0	4	-	32	23	-	-	-	-			
Brest (St. Mathieu)	29.98	36	NNE	5	S	29.93	+0.01	32	-1	ENE	4	0	4	-	39	32	-	-	-	-			
Lorient (Bec Melon)	29.91	32	ENE	5	0	29.87	-0.00	32	-1	E	5	0	3	-	41	28	-	-	-	-			
Rochefort (Ile d' Aix)	29.83	32	NE	4	0	29.89	-0.00	29	-3	ESE	3	0	3	-	39	28	-	-	-	-			
Biarritz	29.82	36	NNE	3	0	29.84	-0.00	35	-2	SE	3	0	3	0.16	37	32	-	-	-	-			
Paris	29.93	35	NE	4	0	30.00	+0.01	23	-4	NNE	3	0	3	-	36	23	-	-	-	-			
Belort	29.97	27	ENE	7	m	29.99	-0.00	20	-2	ENE	6	0	6	-	31	20	-	-	-	-			
Lyons	29.89	31	NW	2	S	29.94																	

* Information for these columns not usually received.

† Received too late for insertion in Charts.

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



GENERAL INFERENCE

The barometrical changes in progress are slight and do not indicate any modification in the general distribution

WEATHER PROSPECTS.

of pressure, such as would result in a change of type.

FORECASTS FOR THE 24 HOURS NOON WEDNESDAY TO NOON THURSDAY.

- 0 {
a) Wind light, rather variable;
b) mostly fair or fine; temperature low.

- 1 {
a) Wind between East and
b) North East, fresh or strong, high

- 2 {
a) at times locally; sky variable,
b) mostly fair; temperature low.

- 3 {
a) mostly fair; temperature low.
b)

- 4 {
a) mostly fair; temperature low.
b)

- 5 {
a) mostly fair; temperature low.
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. ✓

NORTH CONE HOISTED

At 7.12 P.M. YESTERDAY IN DISTRICTS 2, 3, 5, 7, 8, & 11.

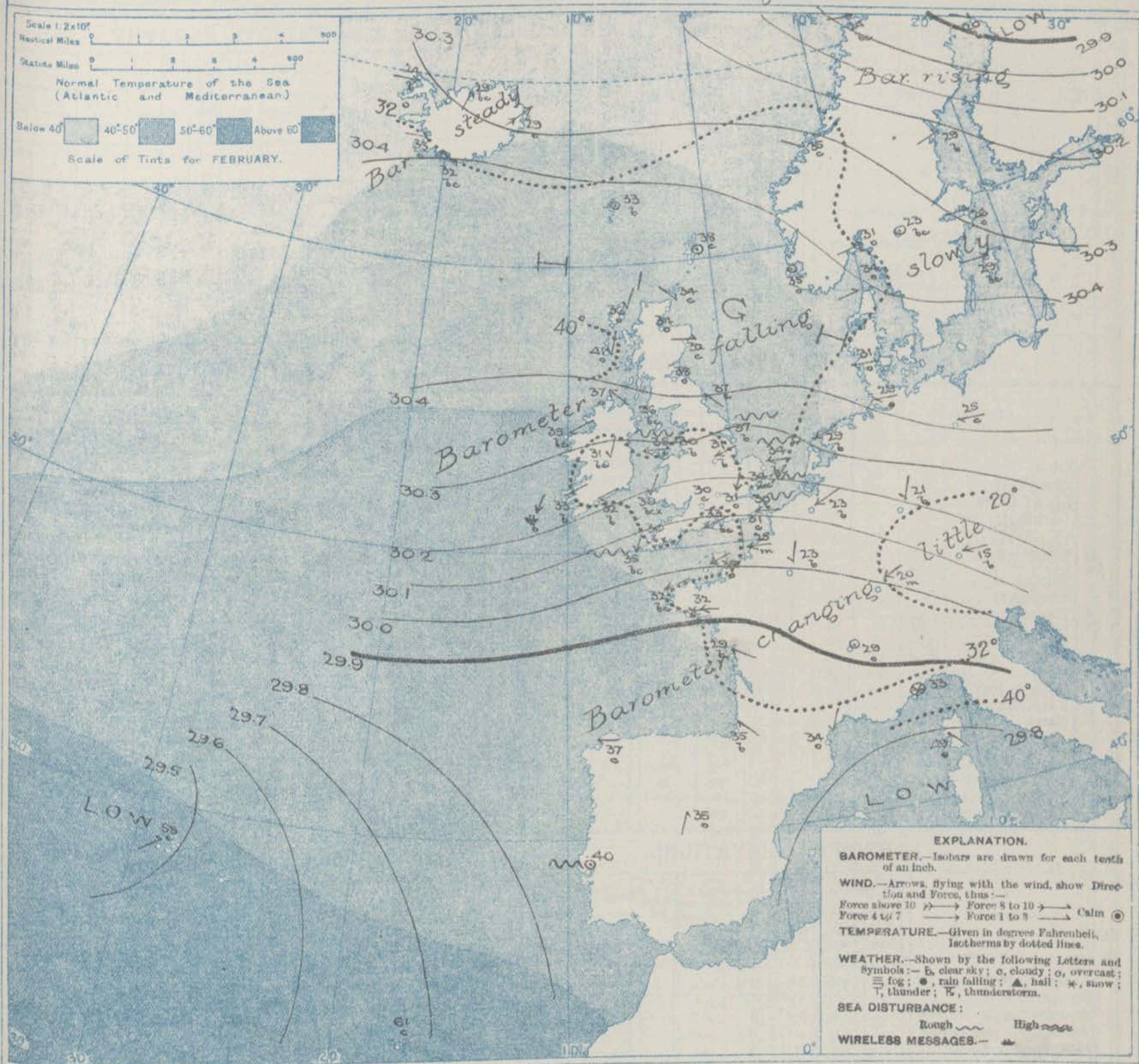
- 6 {
a) Same as Nos. 0 and 1.
b)
- 7 {
a) Wind mainly between
b) East and North-East, light or
- 8 {
a) moderate; fresh locally; mostly
b) fair; temperature low.
- 9 {
a) fair; temperature low.
b)
- 10 {
a) fair; temperature low.
b)

- 11 WESTERN CHANNEL. North Easterly and Easterly winds, strong, then moderating; sea rather rough; sky variable, mostly fair.

THE FURTHER OUTLOOK (All Districts).

Similar conditions continuing.

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



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure is above 30.4 in. in a band extending from Poland across the North Sea and Scotland to the southward of Iceland. In the north of Sweden and also over the Spanish Peninsula and the south-west of France it is below 29.9 in., and at Horta below 29.5 in.

The wind continues Easterly or North-easterly over Ireland, England, France and Germany, and blows a moderate to strong breeze on several parts of the coast, and a high wind at Holyhead and Spurn Head. In Iceland and Scandinavia the main wind current is from the Westward, a gale being

reported at Seydisfjord. Light variable air prevail in Scotland. Temperature has fallen in most parts of the United Kingdom. The readings range from 41° at Castlebay to about 32° over a considerable area, and to 30° in a few localities. Frost prevails very generally on the Continent, the lowest readings reported being 20° at Staparanda and Belfort, and 15° at Munich. The sky is cloudy or overcast in a few parts of our area, but generally the weather is fair to bright, and the only precipitation reported is snow at Nice.

DAILY WEATHER REPORT.

Wednesday, 19th February 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Direc.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Direc.	Force.	
19th. 7 a.m.	51	11	Arabic	H	30.17	-0.1	NE	4-5	b	19th. 7 a.m.	49	20	Arabic	H	30.16	+0.1	ESE	1-3	o
19th. 6 p.m.	50	21	Carmania	O	30.23	-0.3	E	4-5	b	"	48	19	Vaderland	O	30.18	-0.3	ESE	1-3	o
" 6 p.m.	50	16	Arabic	H	30.20	-0.1	ENE	4-5	c	"	50	16	Carmania	O	30.32	+0.1	NE	4-5	c

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

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
		In.	"	"			Hr.			In.	"	"			Hr.
Scotland.	Oban							(Margate	0.01	37	32	bc	bc		
	Stonehaven							Ramsgate	0.03	38	31	"	"		
	St. Andrews							Deal	-	37	32	c.	bc, b		
	Carnoustie							Folkestone	-	36	32	bc, b	b, bc		
Eng. N.E.	Harrogate	0.01	37	30	c, bc	bc	4.4	Littlestone	"	"	"	"	"		
	Scarborough	"	40	37	c, b	c, b	4.9	Hastings	0.03	36	32	chs, bc	b, bc		
England, N.W.	Blackpool	-	42	32	c	bc	6.2	Bexhill-on-Sea	0.03	38	33	c, bc, b	b		
	Southport	-	41	32	bc, b	c, b	6.2	Eastbourne	0.05	38	32	bc	c, bc, b		
	Buxton	-	36	29	bc	bc	5.9	Seaford	0.01	37	31	bc	b		
	Matlock							Brighton	0.04	39	32	c, bc, b	b, bc		
	Douglas							Worthing	0.02	38	32	b	bc		
Wales.	Rhyl	-	40	31	b	bc	3.0	Littlehampton	"	"	"	"	"		
	Colwyn Bay	-	40	34	bc	bc, c	6.0	Bognor	-	"	"	"	"		
	Llandudno	-	41	38	c, b	b	2.4	Southsea	-	40	32	b	b		
	Bettws-y-Coed	"						Bournemouth	-	39	31	b	b		
	Aberystwyth	-	41	33	c, b.	bc, o	7.7	Weymouth	-	39	32	b	b		
England, E.	Lowestoft	-	37	33	bc, b	b, bc	7.8	Teignmouth	-	39	33	c, bc	b		
	Felixstowe	-	36	34	b	bc	8.5	Torquay	-	41	35	bc	bc		
	Walton-on-Naze	-	40	35	bc	b, bc, c	7.7	Paignton	-	40	35	bc	bc		
	Southend-on-Sea	0.06	37	33			8.0	Ilfracombe	-	41	32	c, b	b		
								(Weston-super-Mare	-	39	31	b	b		

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 Obsy.) ...	60	69	38	29	24	-	bc	bc	bc, c	7.0	Dublin to 4 p.m.	In.	41	38	36	c, o	o, c, b	c, b	7.0		
City (Bankhill Row) ...	*	*	*	*	*	*	*	*	*	6.0	Plymouth to 9 p.m.	-	42	32	28	bc	bc	bc	5.7		
Westminster (St. James's Pk.)	65	73	38	31	25	-	bc	bc	om	5.2	Darwen	-	37	30	27	bc	og	bc	6.1		
Camden Sq. (Brit. Rainfall)	64	80	40	28	24	-	b	b	b, c	7.3	Manchester	-	39	34	25	bc	bc	bc			
Hampstead (Reservoir) ...	*	84	36	27	23	-	bc	cx	c	8.0	Birmingham	-	?	30	21	b	b	b			
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.										Oxford to 8 p.m.	-	40	31	26	o, bc, b	b, bc	bc, b	
			Total.		Average Rate.		Max. Rate.														
S. Kensington (Roof of M.O.)	62	86	488 Joules.		13.4 Milliwaits.		31.5 Milliwaits.		4.5		S. Kensington (Museum Grounds to 6 p.m.)	0.01	39	33	27	bc, bc	bc	bc			

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

19th Feb 1913.	Sunrise.	Noon.	Sunset.
G.M.T.	G.M.T.	G.M.T.	
Yarmouth	7.4	12.7	5.10
	7.2	12.7	5.12
Greenwich	7.9	12.14	5.19
	7.7	12.14	5.21
Wick	7.38	12.26	5.14
	7.35	12.26	5.17
Valencia	7.51	12.55	5.54
	7.49	12.55	6.1

NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature remained below 40° in most parts of these islands, but the frost at night was not very severe, the lowest reading reported being 26° at Havim. Bright sunshine was very prevalent, many places recording 7 or 8 hours, Great Yarmouth and Felixstowe 8.5 hours. In Scotland, however the day was mostly cloudy or overcast. According to wireless reports light to moderate easterly winds prevail 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; 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, clear 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.

12.24

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

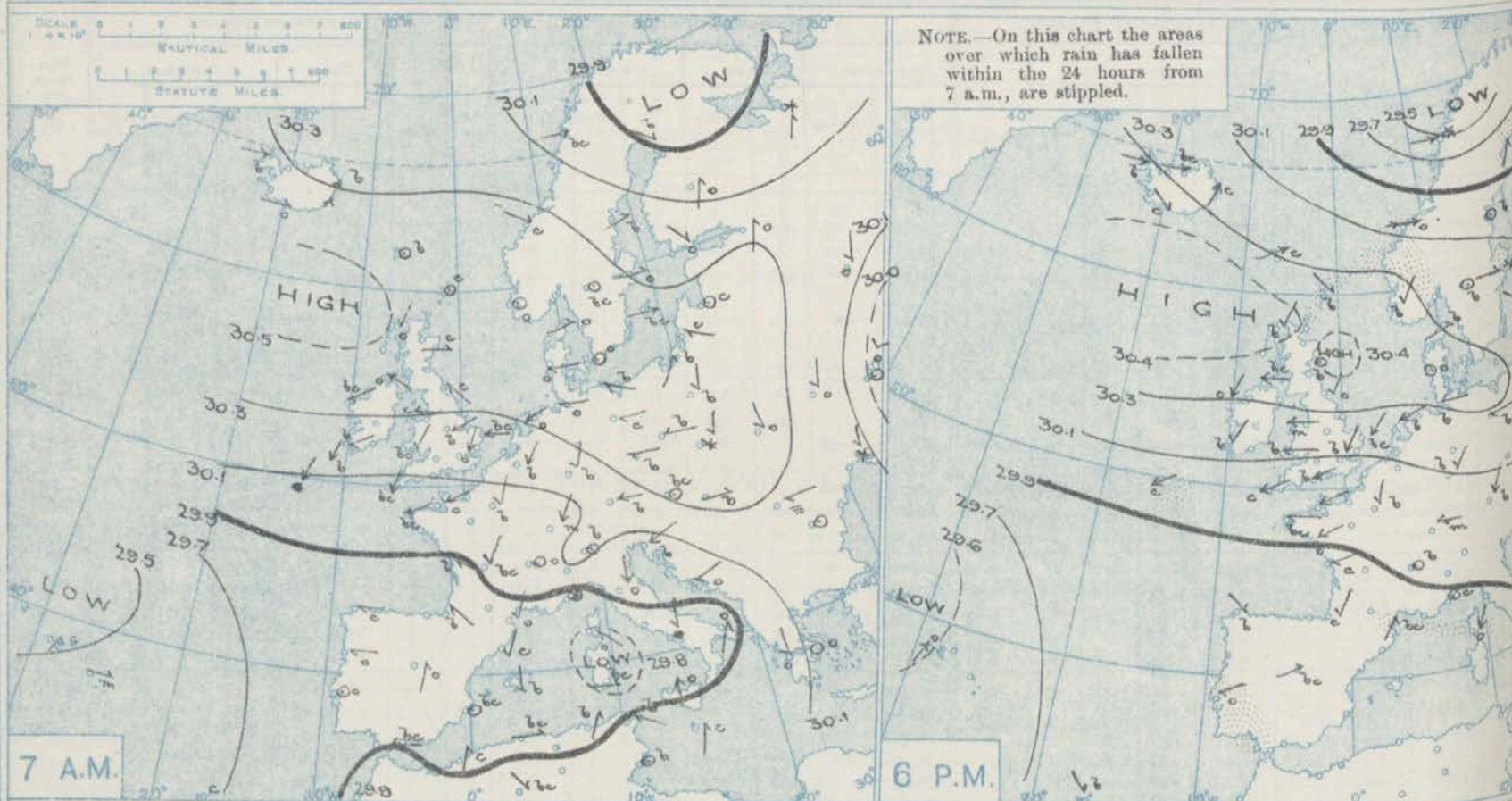
Thursday,
20th February, 1913.

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.	Direc.	Force (0 to 12).			At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						Direc.	Force (0 to 12).	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'o. 1 p.m. to 6 p.m.	Night, 6 p.m. to 7 a.m.	
Lerwick	In.					In.	In.								In.						Hours		
Stornoway	30.36	42	NW	1	b	30.21	-0.03	42	+4	WSW	4	bc	3	0.03	43	35	c	bc	bc	bc	2.3		
Castlebay (Barra Isd.)	30.43	40	NE	3	b3	30.37	-0.01	42	?	E	1	b	1	-	44	?	o.c	c.b	bc	bc	2.6		
Malin Head	30.38	42	NNE	2	b	30.36	0.00	40	-1	SSE	2	c	2	-	44	37	o	o.c.b	bc	bc			
Blacksod Point	30.33	38	E	4	bc	30.31	-0.01	36	-1	ESE	3	c	2	-	41	35	bc	bc	bc	bc			
Valencia	30.28	39	NE	5	a	30.25	-0.02	37	+2	NE	4	o	3	-	40	34	cm	cm	cm	cm	6.9		
Roche's Point	30.18	37	NE	2	b3	30.19	0.00	34	+1	ESE	2	cy	3	-	40	31	bc	bc	bc	bc			
Birr Castle	30.17	37	ENE	3	c	30.18		35	+3	NE	2	o	2	0.01	38	32	bc	c	o	o			
Donaghadee	30.21	36	NE	2	bc	30.21		34	+3	NE	1	o	*	-	42	26	bc	bc	bc	bc	7.7		
Liverpool Obsy.	30.30	40	NE	4	c	30.27	-0.02	37	+1	NE	4	o	4	-	40	36	bc	c	o	o			
Holyhead	30.25	36	ENE	3	o	30.24	-0.01	34	+4	ENE	4	o	2	-	38	30	bc	bc	bc	bc	4.7		
Pembroke (St. Ann's Hd.)	30.22	38	E	5	m	30.25	-0.01	35	o	E	7	o	6	-	45	34	bc	bc	bc	bc			
Newquay	30.11	37	E	3	b	30.13	-0.02	32	+2	NE	3	o	2	Trace	39	27	bc	bc	bc	bc	7.5		
Scilly (St. Mary's)	30.06	35	NE	2	o	30.08	0.00	31	+1	NE	1	o	2	-	37	29	b	b.b.c	b.o	b.o	2.9		
Jersey (St. Aubin)	30.03	37	ENE	4	cm	30.09	0.00	35	o	ENE	4	cm	4	-	38	33	cm	cm	cm	cm	0.7		
Portland Bill	29.99	38	ENE	4	bc	29.96		35	o	E	4	bm	4	-	39	33	cm	cm	cm	cm	5.1		
Dungeness	30.04	39	ENE	5	b	30.03	-0.01	34	+1	ENE	6	c	4	-	40	32	bc	bc	bc	bc			
Dover	30.00	38	NE	6	b3	30.02	+0.01	33	+2	ENE	6	cy	6	-	39	30	c.b.c	bc	bc	bc			
Wick	30.10	35	NE	5	b	30.11		32	+2	NE	4	c	6	-	38	29	bc	bc	bc	bc	8.3		
Nairn	30.39	40	NNE	2	c	30.32	-0.02	33	-1	WNW	1	bc	2	0.01	42	31	cm	cm	cm	cm			
Aberdeen	30.39	36	-	o	m	30.36		31	-3	W	1	o	1	0.04	41	26	bc	bc	bc	bc	2.5		
Leith	30.42	33	-	o	b	30.35	-0.02	34	+2	WNW	3	c	1	-	42	31	c.b	b	bc	bc	1.0		
North Shields	30.39	38	ESE	1	o	30.34	-0.01	37	-1	ENE	2	c	*	-	40	36	o.b.c	c.o	o	o			
Spurn Head	30.36	38	NE	3	o	30.31	-0.01	38	+1	E	2	c	4	-	42	35	e	o	c	c	3.4		
Yarmouth	30.28	36	ENE	6	c	30.21	-0.01	36	-1	ENE	6	cy	6	-	39	34	cy	cy	cy	cy			
Clacton-on-Sea	30.22	35	NE	6	bc	30.18	-0.01	34	o	ENE	5	c	5	-	38	33	bc	b.b.c	b.b.c	b.b.c	7.7		
Nottingham	30.13	36	NE	4	bc	30.11	-0.01	34	o	ENE	5	c	4	-	39	33	bc	b.b.c	b.b.c	b.b.c	8.1		
Bath	30.24	34	E	5	o	30.20		34	+3	ENE	4	o	*	-	39	30	bc	o	o	o	6.8		
London (Kew Obsy.)	30.12	36	E	3	b	30.13		33	+3	E	6	o	*	-	39	30	-	-	-	-	5.7		
Isafjord	30.13	35	NE	4	bm	30.11	0.00	34	+3	NE	5	cm	*	-	39	31	cm	cm	cm	cm	3.3		
Reykjavik	30.31	23	W	5	b	30.26	+0.01	20	-4	NW	3	b	*	-	*	*	*	*	*	*			
Vestmanna	30.33	34	W	3	c	30.33	0.00	26	-7	-	o	b	*	-	*	*	*	*	*	*			
Seydisfjord	30.38	34	NW	1	c	30.38	+0.01	27	-5	N	1	b	o	-	*	*	*	*	*	*			
Thorshavn	30.21	31	SW	6	c	30.24	+0.02	20	-9	NW	2	b	*	-	*	*	*	*	*	*			
Haparanda	30.39	42	WSW	5	c	30.21	+0.02	39	+6	NW	3	o	*	-	*	*	*	*	*	*			
Hernösand	29.78	11	SW	2	b	29.35	-0.01	18	-2	W	4	b	*	0.08	23	7							
Stockholm	30.07	27	-	o	b	29.70	-0.10	27	-2	S	4	c	*	-	34	23							
Wisby	30.19	20	W	2	s	29.97	-0.08	31	+5	W	4	o	*	Trace	32	25							
Karlstad	30.21	33	NW	4	o	30.08	-0.06	33	+4	WSW	4	o	*	-	34	28							
Færder (K'ania Fjord)	30.22	23	-	o	b	30.04	-0.06	24	+1	-	o	bc	*	-	34	19							
Bodö	30.21	33	WSW	2	b	30.07	-0.06	30	-1	SW	4	bc	2	-	34	27							
Christiansund	29.49	30	W	6	s	29.44	-0.03	24	o	NW	6	s	3	?	30	21							
Skudesnaes	30.06	35	W	8	o	29.85	-0.06	33	-2	W	8	o	5	0.32	36	30							
The Scaw (Skagen)	30.32	35	NE	2	b	30.21	-0.04	35	o	S	4	b	2	-	41	27							
Blaavands Huk	30.25	33	WSW	3	b	30.15	-0.02	29	-5	WNW	2	bc	o	-	36	27							
Cuxhaven	30.33	31	-	o	o	30.22	-0.04	33	+2	WSW	2	o	1	-	33	30							
The Helder	30.30	29	E	3	b	30.24	-0.02	26	-3	ENE	3	bc	*	-	34	25							
Brussels	30.25	32	NE	7	b	30.21	-0.01	29	o	NE	6	b	4	-	32	28							
Berlin	30.08	29	ENE	6	b	30.08	0.00	20	-3	ENE	1	b	*	-	36	19							
Frankfurt	30.30	28	E	2	b	30.24	-0.02	19	-6	E	1	b	*	-	32	19							
Munich	30.12	27	NE	3	b	30.11	0.00	20	-1	NE	1	b	*	-	37	19							
C. Gris Nez	30.02	24	NE	4	b	30.12	+0.01	15	o	SE	1	b	*	-	34	14							
La Hève	30.03	32	NE	6	bc	30.04	+0.01	24	+1	NE	5	m	4	-	36	23							
Brest (St. Mathieu)	30.00	29	ENE	3	m	29.97		25	o	ENE	3	m	2	-	37	23							
Lorient (Bec Melen)	29.98	37	E	3	bc	29.95	-0.02	31	-1	ENE	2	m	1	-	41	30							
Rochefort (Ile d' Aix)	29.91	37	ENE	4	b	29.88		30	-2	NE	3	b	2	-	49	28							
Biarritz	29.87	37	ENE	3	c	29.81		32	+3	ENE	3	o	*	-	45	28							
Paris	29.81	41	NE	3	c	29.78		37	+2	SE	3	bc	1	-	46	34							
Belfort	29.96	29	NNE	2	b	29.97	+0.01	23	o	NE	2	b	*	-	37	22							
Lyons	29.98	26	E	6	m	30.06		22	+3	E	5	m	*	-	32	20							
Nice	29.98	29	-	o	b	?		32		-	o	o	*	-	33	27							
Perpignan	29.88	36	-	o	c	29.95	+0.01	35	+2	-	o	b	3	-	41	32							
Sanguinaire	29.83	42	SE	1	c	29.77	-0.02	38	+4	SW	1	bc	*	0.04	46	34							
Corunna (S.A.M.)	29.85	43	NE	4	o	29.87		48	-1	ESE	3	c	4	0.16	49	39							
Lisbon (S.A.M.)	29.80	46	NW	3	b	29.77	0.00	35	-2	W	1	b	3	-	43	30							
Gibraltar	29.74	51	ENE	2	o	29.74	+0.02	49	+2	E	1	o	5	0.12	53	46							
Azores (S. Delgada)	29.71	54	SE	1	r	29.69		53		E	1	r	0	0.07	65	50							
Azores (Horta)	29.60	61	SSW</																				

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. 19TH FEBRUARY.



GENERAL INFERENCE

WEATHER PROSPECTS.

A large depression which is causing a fall of the barometer over Scandinavia and the Baltic will have little effect on the conditions over

the United Kingdom, where the distribution of pressure will continue mainly anticyclonic.

FORECASTS FOR THE 24 HOURS NOON THURSDAY TO NOON FRIDAY.

- 0 {
a } Light variable or North-
b }
1 } Westerly winds, cloudy to fair or
bright; temperature low.
2 {
a } Wind mainly between East
b } and North-East, fresh or strong to
3 } moderate; gusty, a good deal of
cloud, then becoming brighter; no
4 {
a } important change of temperature.
b }
5 }

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

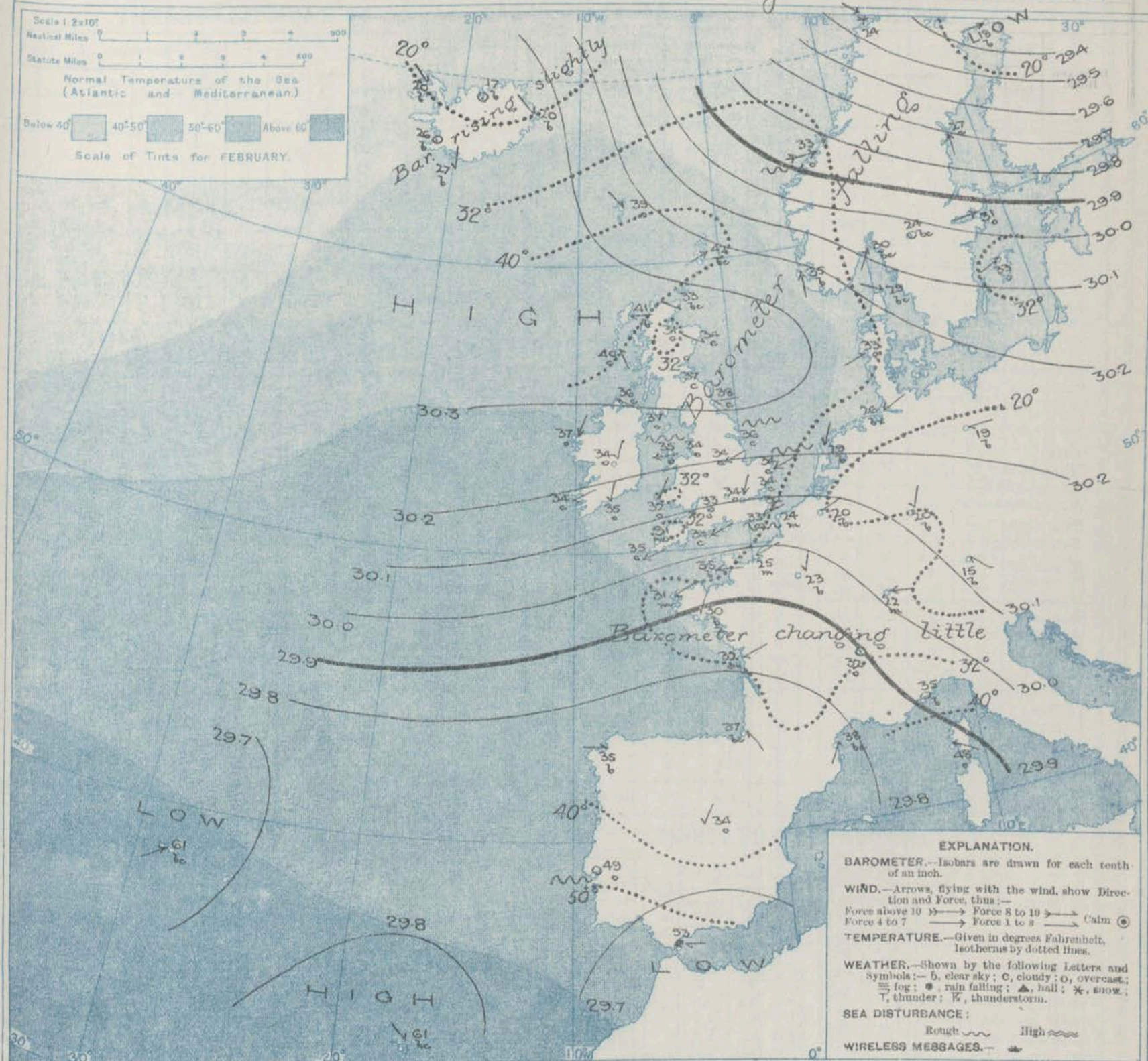
NO WARNINGS
ISSUED

- 6 {
a } Same as Nos. 0 and 1.
b }
7 {
a } Same as Nos. 2 to 5.
b }
8 {
a }
b }
9 {
a } Easterly or North-Easterly
b } winds, light or moderate, fresh
locally; cloudy to bright;
10 {
a } temperature low.
b }

11 WESTERN CHANNEL AND BAY.
Easterly or North-Easterly winds, moderate or fresh; sea rather rough; mostly fair, dull at times.

THE FURTHER OUTLOOK.

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



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The barometer is above 30.3 in. in an anticyclone extending from beyond Iceland across Scotland and the upper portion of the North Sea. At Gibraltar and also in the Azores region the readings are below 29.7 in., and in the north of Sweden below 29.4 in.

The wind continues between East and South-East over England and Ireland, France and central Europe, and blows freshly or strongly along the east and south coasts of England, and also at Holyhead, over Scandinavia there is a North-Easterly current, with gale force at Christiansund. Temperature has undergone

little change, and ranges over the United Kingdom from 42° at Lerwick and 40° at Castlebay to 32° at Pembroke and Dover, and to 31° at Newquay and Falmouth. Severe frost prevails in Germany, the Netherlands, and the east of France. The weather is cloudy or overcast in most parts of these islands and Scandinavia, cloudless over Iceland, Germany, the Netherlands and at some French stations. Rain is falling at Gibraltar, and snow at Bodø.

Thursday, 20th February 1913.

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 6 p.m.	49	16	Mount Temple	O	29.04	-.02	ENE	4.5	c	20th 8 a.m.	46° 45'	6° 58'	H. M. S.	H	29.76	-.09	NE	4	c
" 7 a.m.	49	13		O	29.10	00	NE	6.7	r					Dry bulb, 45°. Wet bulb, 41°. Sea Temperature 50°. Sea Disturbed.					

	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.	
Scotland.	(Oban)	In.	"	"			Hr.
	(Stonehaven)	-	43	28	b	bc	5.8
	(St. Andrews)	-	40	36	o	o,c	0.5
	(Carnoustie)	-					
Engl. N.E.	(Harrogate)	-	37	27	bc,c	o	3.0
	(Scarborough)	-	41	36	bc	og,bc	4.0
	(Blackpool)	-	41	27	bc	c	6.5
	(Southport)	-	40	28	bc	bc,o,c	6.3
	(Buxton)	-	36	28	bc	b	5.2
	(Matlock)	-					
	(Douglas)	-					
England, N.W.	(Rhyl)	-	40	31	b	b, bc	5.2
	(Colwyn Bay)	-	40	32	bc	bc,c	6.6
	(Llandudno)	-	40	37	bc	b	5.6
	(Betws-y-Coed)	-					
	(Aberystwyth)	-	40	32	c, bc	c, bc	7.0
	(Lowestoft)	-	38	33	bc, b	bc	7.6
	(Felixstowe)	-	36	33	b	b	6.2
	(Walton-on-Naze)	-	37	34	b	b	7.3
	(Southend-on-Sea)	-	39	32	b	b	7.9
Wales.							
England, S.E.	(Margate)	In.	"	"			Hr.
	(Ramsgate)	-	39	31	b	b	7.3
	(Deal)	-	37	31	*c	*	7.3
	(Folkestone)	-	39	32	bc,c	bc, b	7.4
	(Littlestone)	-	39	31	b, bc, b	b, bc	7.2
	(Hastings)	-	"	"	"	"	8.3
	(Bexhill-on-Sea)	-	39	30	b	b	7.6
	(Eastbourne)	-	40	31	b	b	7.3
	(Seaford)	-	40	30	b, bc	b	7.1
	(Brighton)	-	45	28	b	b	7.6
	(Worthing)	-	41	29	bc, b	b, bc	7.6
	(Littlehampton)	-	40	29	bc	b	7.8
	(Bognor)	-	"	"	"	"	8.0
	(Southsea)	-	41	30	b	b	7.1
	(Bournemouth)	-	40	30	c, bc	b	7.4
	(Weymouth)	-	38	30	bc, b	bc, b	7.0
	(Teignmouth)	-	38	23	c	c	6.1
	(Torquay)	-	39	33	o	o	6.1
	(Paignton)	-					
	(Ilfracombe)	-	41	24	o	o, bc	7.0
	(Weston-super-Mare)	-	39	29	b	b	7.0
England, S.W.							

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.	Max.	Min.	Night Min. on Grass.	Night.	Fore-noon.		After-noon.
			Max.	Min.																
			24 HOURS ENDED 9 A.M. TO-DAY.																	
Greenwich (Royal Obsy.) ...	65	72	40	32	26	-	b	b	bc	6.7	Dublin to 4 p.m.	-	42	37	35	bc	bcy	bcy	0.4	
City (Hunhill Row) ...	*	*	*	*	*	*	*	*	*	4.2	Plymouth to 9 p.m.	-	37	31	27	bcy	bcy	bcy	0.6	
Westminster (St. James's Plk.)	67	72	40	33	27	-	bc	bc	bc	4.4	Darwen "	-	36	29	25	bc	o	bc	0.3	
Camden Sq. (Brit. Rainfall)	67	75	41	32	26	-	bc	b	bc, o	5.4	Manchester "	-	40	33	22	bc	b	bc	0.6	
Hampstead (Reservoir) ...	*	?	38	29	25	-	bc	ax	o	5.6	Birmingham "	-	38	27	19	o	c	bc	0.6	
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.								Oxford to 8 p.m.									
			Total.		Average Rate.		Max. Rate.													
S. Kensington (Roof of M.O.)	64	84	4.95 Joules.		13.5 Milliwatts.		31.5 Milliwatts.		3.3	S. Kensington (Museum Grounds to 6 p.m.)	-	40	30	22	by	bc	bc	*		

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.			
20th	21st	22nd	1913.	Sunrise.	Noon.	Sunset.	
				G.M.T.	G.M.T.	G.M.T.	
Yarmouth	{	7.2	12.7	5.12	During yesterday temperature remained below 40° over the greater part of the United Kingdom, and fell to below 32° at many stations during the night. Bright sunshine was very abundant except in some parts of Scotland and on the coast of Devonshire, at some stations on the east and south-east coasts the record was more than 8 hours. The weather continued dry in almost all parts of the United Kingdom and the western half of the Continent.
			{	7.0	12.7	5.14	
Greenwich	{	7.7	12.14	5.21	
			{	7.5	12.14	5.23	
Wick	{	7.35	12.26	5.17	
			{	7.32	12.26	5.20	
Valencia	{	7.49	12.55	6.1	
			{	7.47	12.55	6.3	

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

12.25.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Friday,
21st February 1913.

STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shine for Yester- day.
		BAROM.		TEMP.		WIND.	BAROMETER.		TEMP.		WIND.		Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.						
		At 32° Fahr. and M.S.L. Lat. 46°.	Dry Bulb.	Direc.	Force (0 to 12).		Weather.	In.	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.		30.27	36	N	4	0	In.	In.	31	-11	NNW	5	c	3	In.	44	30	c	ops	c	Hours		
30.35		41	W	4	by	30.40	+0.2	34		W	1	b	1	-	45	30	bcy	bcy	c. by		4.6		
30.37		40	-	0	b	30.41	-0.0	39	-1	-	0	o	1	-	45	36	c. b	b	b. o		7.1		
30.33		36	E	1	bcn	30.39	+0.1	36	0	E	2	bcn	1	-	36	34	bcn	bcn	bcn				
30.29		38	NE	4	m	30.33	+0.1	39	+2	NE	2	o	2	-	39	36	om	om	om				
30.24		36	E	2	og	30.32	+0.1	36	+2	ENE	3	og	3	-	39	33	bcy	og	og		4.2		
30.21		36	NE	2	og	30.33		36	+1	NE	2	o	2	Trace	37	34	og	og	og				
30.22		36	NE	1	o	30.32		36	+2	E	2	c	*	-	38	33	o	o	c		0.0		
30.28		41	ENE	3	c	30.37	+0.2	39	+2	NE	4	c	3	-	42	37	c	c	c. c				
30.27		36	ENE	3	o	30.36	+0.2	35	+1	NE	1	o	1	-	37	33	og	og	o		0.0		
30.23		36	E	4	m	30.36	+0.4	35	0	E	3	m	2	-	45	34	om	bcn	cn				
30.20		35	NE	3	bc	30.31	+0.2	29	-3	NNE	1	bc	1	-	39	27	o	cn	bcn		1.0		
30.11		34	NNE	2	c	30.28	+0.3	31	0	E	1	cc	3	-	37	27	c. b	b. bc. c	b. bc. c		4.8		
30.08		36	ENE	3	bcn	30.24	+0.4	35	0	ENE	2	c	3	-	39	33	c	bcn	cn		4.0		
30.01		40	ENE	4	bm	30.17		38	+3	NE	4	bcn	3	-	42	34	bm	bm	bm		7.8		
30.10		35	NE	8	bc	30.25	+0.3	36	+2	NE	4	c	4	-	38	32	c	bc. c	bc. c				
30.06		36	NNE	6	c	30.16	+0.3	38	+5	NE	5	cg	5	-	39	32	c. bc	bc. c	cg				
30.12		35	NNE	4	bc	30.22		35	+3	NNE	5	bc	6	-	38	32	c. bc. b	b. bc	bc		7.4		
30.30		39	W	1	c	30.43	+0.3	38	+5	-	0	c	3	0.09	43	32	bcn	bc. cnd	emp				
30.32		40	W	1	c	30.39		37	+6	-	0	c	1	0.01	42	27	z. b	bc. c	cg		5.8		
30.32		38	NW	2	bc	30.44	+0.6	37	+3	ENE	4	g	3	0.05	44	34	c. b	b. bc	c. bc. c		7.5		
30.33		38	E	1	b	30.40	+0.4	36	-1	WSW	1	of	*	-	41	31	c. o	c. c. b	bf				
30.36		38	N	2	op	30.39	+0.2	36	-2	-	0	r	4	0.03	43	34	c	c	c. r		0.7		
30.25		38	ENE	4	o	30.32	+0.3	37	+1	NE	4	c	4	Trace	39	35	og	o. c	c. cp				
30.19		36	ENE	4	c	30.27	+0.5	39	+5	ENE	3	bc	4	-	39	33	c	c	c. bc		1.6		
30.13		35	NE	3	bc	30.23	+0.6	38	+4	NE	4	c	3	-	38	34	c. bc	bc	bc. c		3.3		
30.22		37	E	4	o	30.32		35	+1	NNE	3	o	*	-	37	34	o	o	o		0.0		
30.17		33	E	1	b	30.29		36	+3	E	1	o	*	-	39	31	-	-	-		0.9		
30.15		34	NE	4	cm	30.26	+0.3	38	+4	NE	4	om	*	-	38	33	om	om. cm	c. om		0.0		
30.41		24	-	0	o	30.36	-0.1	23	+3	-	0	s	*	-	*	*	*	*	*				
30.31		27	E	3	s	30.28	0.00	35	+9	E	3	a	*	-	*	*	*	*	*				
30.37		33	SE	1	o	30.35	-0.1	35	+8	ESE	3	o	0	*	*	*	*	*	*				
30.45		21	W	1	b	30.46	-0.2	19	-1	-	0	c	*	-	*	*	*	*	*				
30.35		31	NE	2	c	30.44	-0.1	30	-9	ENE	1	o	*	-	*	*	*	*	*				
29.38		8	WHW	2	bc	29.35	-0.4	-4	-22	WSW	2	b	*	-	21	-8							
29.66		20	-	0	b	29.71	-0.0	16	-11	WSW	4	b	*	Trace	32	12							
29.78		30	WNW	4	o	29.87	+0.4	18	-13	WNW	4	b	*	Trace	37	18							
29.73		35	WSW	4	o	29.91	+0.3	27	-6	NNW	8	b	*	-	34	24							
29.88		32	NW	6	bc	30.02	+0.2	19	-5	NW	2	b	*	-	39	18							
29.91		38	WNW	6	b	30.08	+0.2	27	-3	WNW	4	b	2	-	37	27							
29.54		21	NW	6	c	29.45	-0.1	24	0	W	6	c	4	?	24	16							
29.97		26	NW	9	s	30.04	+0.3	25	-8	NW	6	s	6	0.32	33	21							
30.17		34	NHW	6	c	30.23	+0.1	28	-7	N	6	c	2	?	41	27							
29.98		38	WHW	4	b	30.10	+0.2	32	+3	N	6	b	2	-	39	27							
30.19		33	NW	1	b	30.25	+0.2	36	+3	N	2	o	2	-	37	32							
30.18		32	NE	2	b	30.22	+0.2	33	+7	N	3	b	*	-	36	26							
30.19		33	NE	5	b	30.29	+0.4	37	+8	NE	3	o	2	0.39	37	28							
30.08		29	NE	1	b	30.18	+0.3	20	0	ENE	2	b	*	-	38	19							
30.15		31	E	1	b	30.17	+0.1	23	+4	S	1	c	*	-	37	21							
30.08		31	NE	1	b	30.18	+0.3	23	+3	NE	1	b	*	-	37	19							
30.03		25	E	2	b	30.12	+0.1	16	+1	NE	2	b	*	-	34	14							
30.08		32	NE	4	m	30.18	+0.2	29	+5	ENE	6	bc	4	-	34	24							
30.06		34	ENE	2	m	30.11		28	+3	NE	2	m	1	-	37	23							
29.98		39	NE	4	b	30.19	+0.1	39	+8	ENE	2	o	1	-	41	31							
29.93		39	NE	5	o	30.07		36	+6	NE	4	b	2	-	41	30							
29.85		37	ENE	3	o	29.98		34	+2	NE	4	bc	*	0.04	39	32							
29.87		40	E	3	o	29.89		40	+3	NE	3	o	1	0.16	46	37							
29.98		32	NNE	2	b	30.09	+0.3	24	+1	N	3	b	*	-	41	23							
29.98		30	E	4	m	30.08		21	-1	E	5	m	*	-	39	21							
29.94		33	NW	2	o	29.99		32	0	-	0	o	*	-	38	29							
29.88		44	E	7	b	29.86	-0.1	43	+8	-	0	o	3	Trace	48	35							
29.78		43	NE	3	o	29.81	+0.2	37	-1	W	3	y	*	1.89	50	34							
29.83		45	N	3	m	29.75		48	0	E	3	o	4	0.04	54	40							
29.82		46	NNW	3	b	30.08	+0.4	40	+5	ENE	1	o	3	0.08	48	34							
29.89		44	N	2	b	30.06	+0.6	45	-4	N	3	b	5	0.04	52	43							
29.73		52	W	3	o	29.96		53	0	NW	3	b	3	0.09	66	43							
29.62		61	SSW	5	r	29.54	-0.1	61	0	SSW	4	m	4	0									

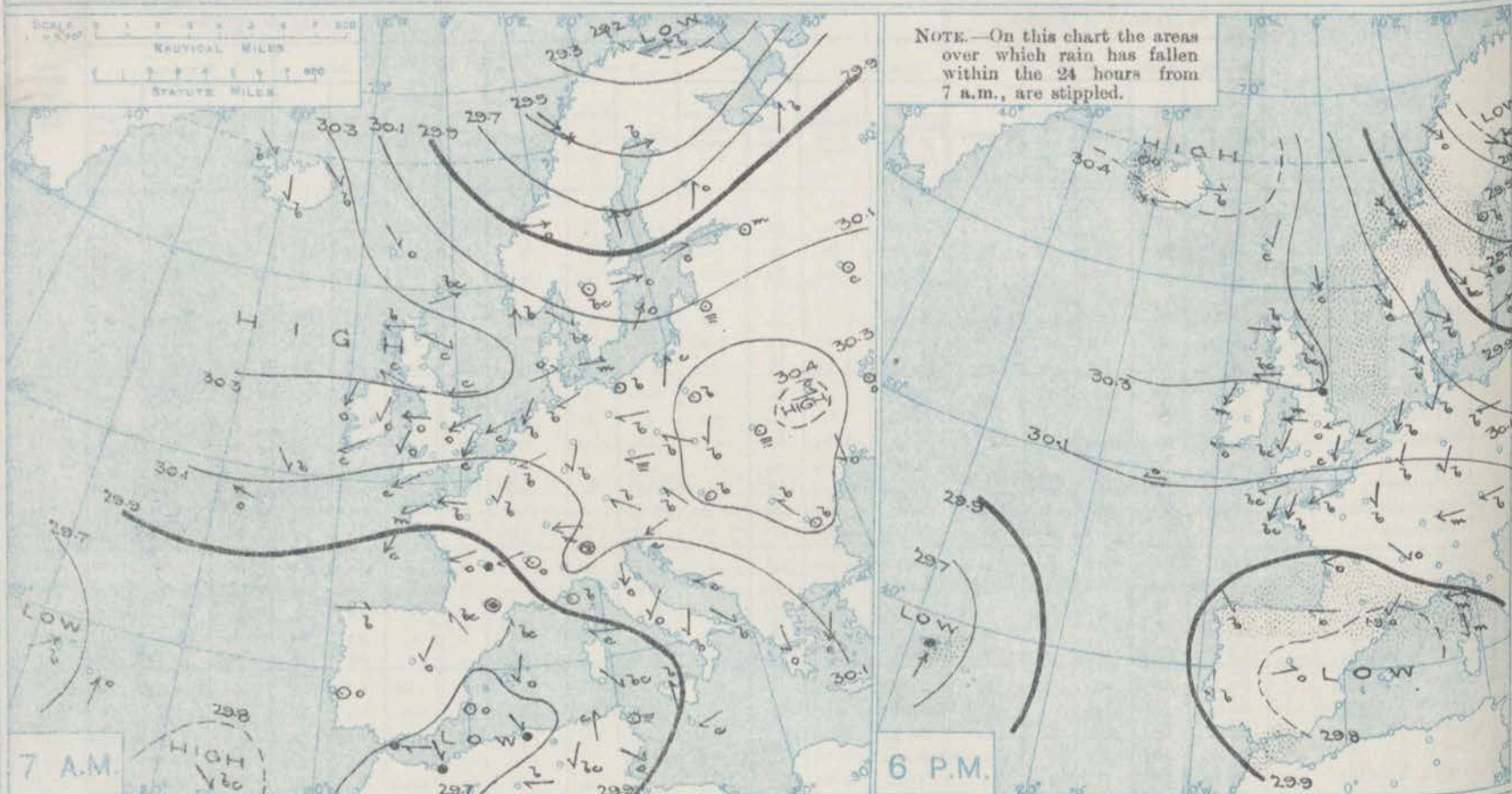
GALES.

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. 20TH FEBRUARY.



GENERAL INFERENCE

WEATHER PROSPECTS.

There are still no indications of any great change in the general situation, and the wind will continue between North

and East over the United Kingdom for the present.

FORECASTS FOR THE 24 HOURS NOON FRIDAY TO NOON SATURDAY.

- 0 {
a } Light Variable or North-
b } Easterly winds; variable weather;
1 } some rain or snow locally;
temperature rather low.

- 2 {
a } North-Easterly winds,
b } light or moderate; variably sky,
3 } mostly cloudy, slight rain or sleet locally;
temperature rather low.

- 4 {
a } North-Easterly winds, light
b } or moderate; cloudy or overcast
5 } generally, bright at times; temperature
rather low

FORECAST DISTRICTS.



STORM WARNINGS.

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

Signals hoisted yesterday.	Signals hoisted this morning.
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 }

Wind mainly between

East and North-East, light or

moderate; fair generally;

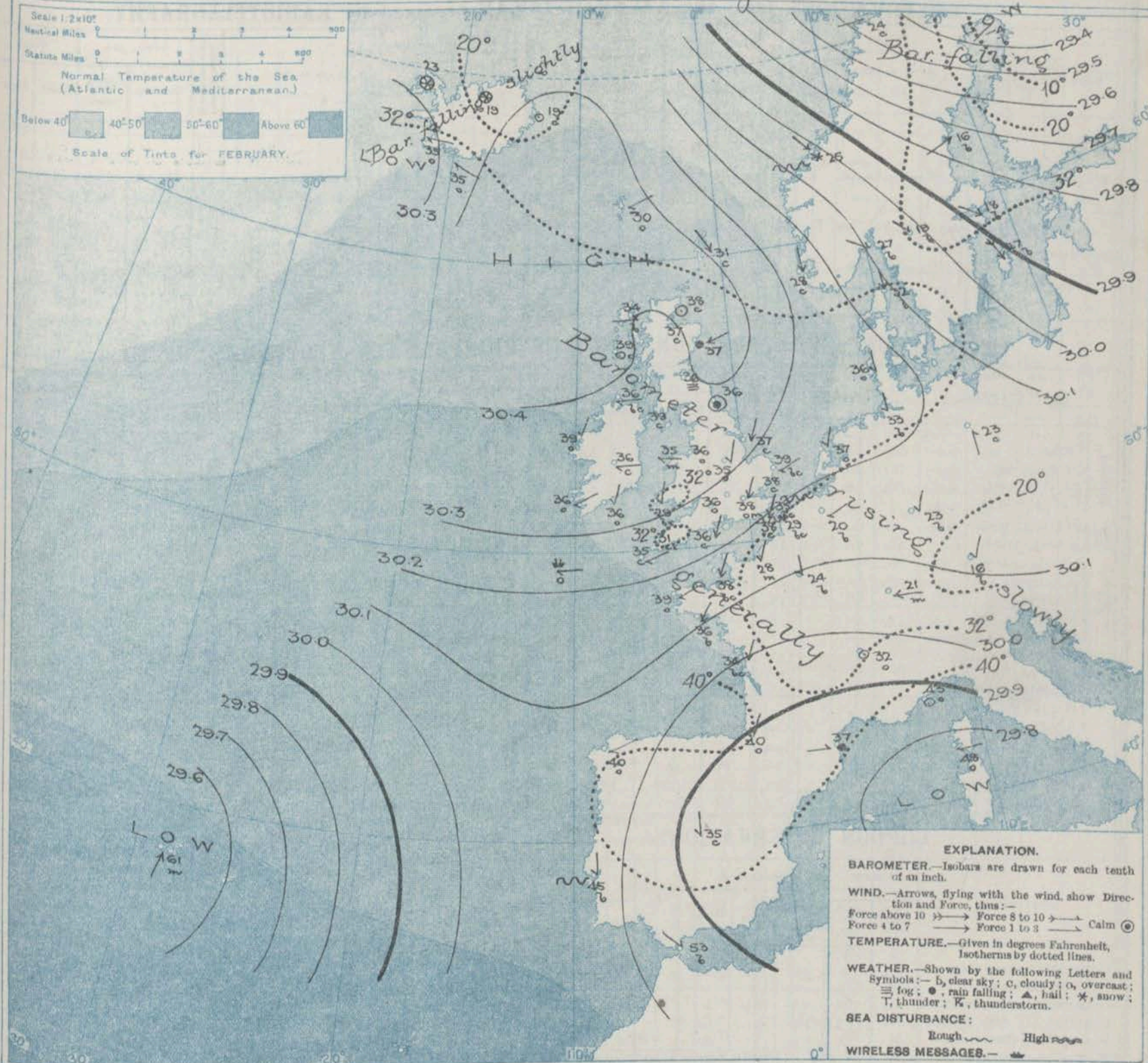
temperature below normal.

11 WESTERN CHANNEL AND BAY.

North-Easterly winds, light to fresh; sea moderate; cloudy or overcast generally.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. Friday, 21st FEBRUARY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The barometer is above 30.4 in. over the east of Scotland and thence to the south-east coast of Iceland, below 29.4 in. in a large depression having its minimum over the Arctic regions of Norway, below 29.6 in. at the Azores, and below 29.9 in. in the south of France.

A north-westerly current of wind prevails over Scandinavia; in some localities it blows a fresh or strong breeze, and at Wisby has the force of a gale. Over England, Ireland and France there is a light to moderate north-easterly wind, while over Scotland and the Icelandic region light variable airs are reported. Temperature has risen somewhat in most parts of these

Islands, and now ranges from 33° at Great Yarmouth, Blacked Point and Castlebury, to 31° at Newquay and to 29° at Penbroke. Hard frost is general in Northern and Central Europe. A good deal of cloud is reported over these islands, and rain is falling at Aberdeen and North Shields. Over the greater part of the Continent the weather is fair to bright, but rain is falling at Bospignan and snow at Christiansund.

DAILY WEATHER REPORT.

Friday, 21st February 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- Outward. H- Homeward.	BAROMETER.		WIND.		WEA- THER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- Outward. H- Homeward.	BAROMETER.		WIND.		WEA- THER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Direc.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Direc.	Force.	
21st 7am.	49	10	Kroonland	H	30.21	+0.7	NE	1-3	0	20th 7am	50	15	Ivernia	O	30.25	+0.1	NW	1-3	0
20th 6pm 49° 17' 53"			H.M.S.		29.96		NE	6	bc										
Dry bulb 44°. Wet bulb 40°. Sea Temperature 52°. Sea Disturbance 4.																			
20th 6pm 49° 15'			Kroonland	H	30.08	+0.2	E	1-3	0										
7am 48° 19'				H	30.00	+0.4	ESE	4-5	0										

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

STATIONS.		Rainfall. In.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.	STATIONS.		Rainfall. In.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m. Hr.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.	Oban	...	44	29	bc	b	7.0	England, S.E.	Margate	...	39	33	bc	c	3.8
	Stonehaven	...	...	...	...	...	...		Ramsgate	...	37	33	...	...	4.5
	St. Andrews	...	...	...	...	...	...		Deal	...	38	33	...	bc, c	5.6
	Carnoustie	...	...	...	...	...	...		Folkestone	...	38	33	b, bc	bc	6.3
England, N.E.	Harrogate	...	36	31	o	o	0.0	England, S.W.	Littlestone	...	...	...	...	...	7.1
	Scarborough	...	39	34	...	...	0.0		Hastings	...	38	31	bc, b	b	7.0
	Blackpool	...	41	34	o	c	1.6		Bexhill-on-Sea	...	40	32	bc, b	b	6.6
	Southport	...	38	34	o, bc	bc, o, c	0.0		Eastbourne	...	40	30	bc, b	b	7.7
England, M.W.	Buxton	...	33	29	c	c	0.0	Wales.	Seaford	...	39	29	bc, b	b	7.8
	Matlock	...	...	...	...	...	...		Brighton	...	40	30	bc, b	b, bc, c	7.4
	Douglas	...	...	...	...	...	...		Worthing	...	39	30	bc	bc	7.5
	Rhyl	...	37	31	b	bc, o	0.0		Littlehampton	...	...	...	...	...	...
Wales.	Colwyn Bay	...	37	34	bc, c	c, o	0.0	England, S.W.	Bognor	...	...	...	...	...	6.7
	Llandudno	...	38	?	o	b	0.0		Southsea	...	40	32	bc, b	b	6.0
	Bettws-y-Coed	...	...	...	...	...	...		Bournemouth	...	39	31	bc, b	bc, b	2.3
	Aberystwyth	...	39	31	o, bc	bc, c	4.7		Weymouth	...	37	31	c, bc	c, y	0.0
England, E.	Lowestoft	...	36	32	c, bc	c, o	4.5	England, S.W.	Teignmouth	...	37	32	c	c	0.0
	Felixstowe	...	36	33	c	bc	5.2		Torquay	...	38	33	o	o	0.0
	Walton-on-Naze	...	38	33	c, bc	bc, c	3.1		Paignton	...	38	33	c	c	0.0
	Southend-on-Sea	...	37	33	bc, c	bc	1.6		Ilfracombe	...	38	30	o	o	0.0
									Weston-super-Mare	...	36	30	c, bc	bc	0.5

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.				Max.	Min.	Night Min. on Grass.	Night.	Fore-noon.		After-noon.
			Max.	Min.		Max.						Min.								Max.	Min.
	24 HOURS ENDED 9 A.M. TO-DAY.																		
Greenwich (Royal Obsy.) ...	%	%				In.				Hr.	Dublin to 4 p.m.	In.						Hr.	
City (Bunhill Row) ...	69	73	39	31	22	-	0	0.1	0	0.4	Plymouth to 9 p.m.	-	39	36	26	0	0.9	0.9	
Westminster (St. James's Pk.)	*	*	*	*	*	*	*	*	*	0.2	Darwen	-	36	30	26	0.6	0.9	0.6	
Camden Sq. (Brit. Rainfall)	73	75	40	34	27	-	0.6	0.6	0.6	0.1	Manchester	-	35	31	30	0.6	0.6	0.6	
Hampstead (Reservoir) ...	76	73	39	31	25	-	0	0	0.6	1.0	Birmingham	-	37	34	29	0	0	0.6	
Kew. (See front page.)	=	72	37	30	28	-	0.1	0.1	0	0.6	Oxford to 8 p.m.	-	34	31	25	0	0	0.6	
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																			
Total.			Average Rate.			Max. Rate.													
S. Kensington (Roof of M.O.)	68	71	204 Joules.			5.6 Milli-watts.			1.6 Milli-watts.			0.1	-	36	34	25	0.6	0	0

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

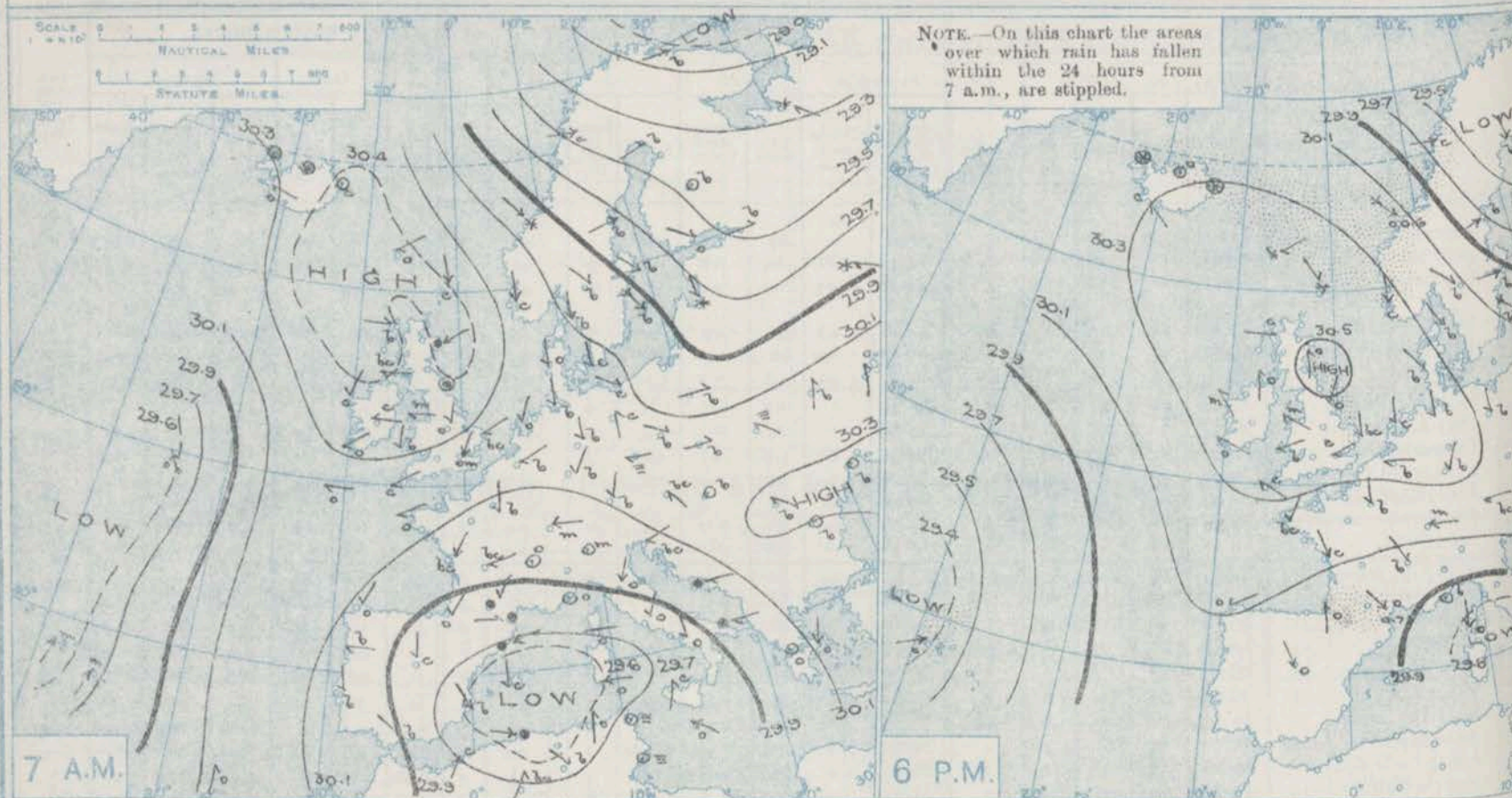
Saturday
22nd February, 1913.

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.	Wet 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. 1 p.m. to 6 p.m.		Night, 6 p.m. to 7 a.m.
																							Hours	

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. 21ST FEBRUARY.



GENERAL INFERENCE

The barometrical changes seem to indicate that the anticyclonic centre will move south-eastward to the Continent, while depressions

WEATHER PROSPECTS.

will spread over our western districts from the Atlantic.

FORECASTS FOR THE 24 HOURS NOON SATURDAY

TO NOON SUNDAY.

0 { a } Southerly and south-easterly winds light to fresh; fair, then some rain; milder.

1 { a } Wind from some southerly point, light or moderate; mostly fair, some mist or fog; temperature rising somewhat.

2 { a } Wind between East and South East or South, of little force; a good deal of cloud, some mist or fog; becoming rather milder.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

NO WARNINGS ISSUED.

6 { a } Same as No. 0.

7 { a } Same as Nos. 1 and 2.

8 { a } Same as Nos. 3 to 5.

9 { a } Southerly winds, light or moderate to fresh or strong;

10 { a } fair, then some rain; mist in places; milder.

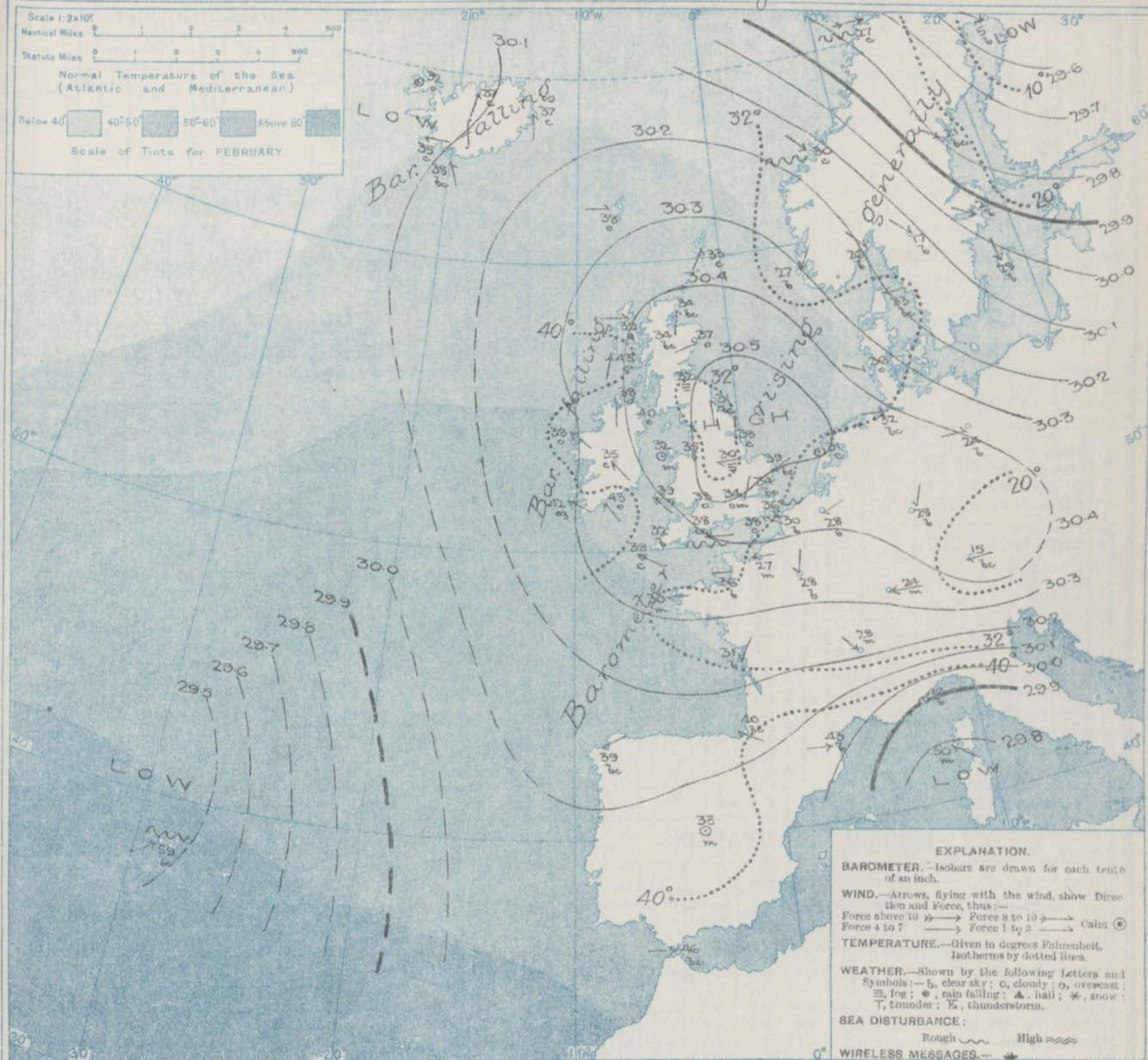
11 WESTERN CHANNEL AND BAY.

Wind shifting to South-East or South, light to fresh; sea slight or moderate; fair to overcast, some mist.

THE FURTHER OUTLOOK. (All Districts.)

General condition milder and less settled.

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



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure is above 30.5 in. in an anticyclonic centre covering the greater part of England and extending to the north of Holland; below 29.6 in. in the north of Sweden and below 29.5 in. at the Azores.

The wind is Easterly over the east and south of England, but has shifted to South-East and South in the west and north of these islands; as a rule it has little force. Over Scandinavia there is still a North-Westerly current, strong to a gale in force. Temperature has changed rather irregularly, fallen in most parts of these islands. The readings range from 43° at Castlebay and Roche's Point to 31°

at North Shields and to 30° at Nottingham. On the Continent from 46° at Gibraltar to below 32° very generally over France, Germany and Scandinavia, to 15° at Munich, and to 5° at Staparanda. The weather is fair in several parts of the United Kingdom and over a large area on the Continent, but in many parts of these islands the sky is cloudy or overcast, with mist or fog locally.

DAILY WEATHER REPORT.

Saturday, 22nd February 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 7am	49	22	<i>Guernia</i>	H	29.59	-19	SE	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.	England, S.E.	Margate	...	...	42	36	c	c, bc	1.7
	Stonehaven	...	...	...	...	...	...			Ramsgate	...	...	40	35	*	*	2.5
	St. Andrews	...	...	...	...	...	...			Deal	...	...	42	36	bc, c	o, bc	3.0
	Carnoustie	...	...	...	...	...	...			Folkestone	...	...	41	35	bc, b	bc	6.7
England, N.E.	Harrogate	...	...	...	...	...	...			Littlestone	...	...	42	32	*	*	4.6
	Scarborough	...	...	...	...	...	...			Hastings	...	...	42	32	bc, b	b, bc	7.8
	Blackpool	...	...	...	...	...	...			Bexhill-on-Sea	...	...	43	34	b	b	5.1
	Southport	...	...	...	...	...	...			Eastbourne	...	...	44	32	b, bc	b	7.5
England, N.W.	Buxton	...	...	...	...	...	...			Seaford	...	...	43	35	bc, b	b	5.7
	Matlock	...	...	...	...	...	...			Brighton	...	...	45	34	bc	bc	7.1
	Douglas	...	...	...	...	...	...			Worthing	...	...	45	33	b	b	8.7
	Rhyl	...	...	...	...	...	...			Littlehampton	...	...	44	31	*	*	8.0
Wales.	Colwyn Bay	...	...	...	...	...	...			Bognor	...	...	45	32	b	b	8.5
	Llandudno	...	...	...	...	...	...			Southsea	...	...	46	29	b	b	8.4
	Bettws-y-Coed	...	...	...	...	...	...			Bournemouth	...	...	44	31	bc, b	b	7.0
	Aberystwyth	...	...	...	...	...	...			Weymouth	...	...	44	31	bc	b	5.6
England, E.	Lowestoft	...	...	...	...	...	...			Teignmouth	...	...	45	33	c, bc	b	5.6
	Felixstowe	...	...	...	...	...	...			Torquay	...	...	44	34	bc	b, bc	5.3
	Walton-on-Naze	...	...	...	...	...	...			Paignton	...	...	43	34	bc, b	b	5.4
	Southend-on-Sea	...	...	...	...	...	...			Ilfracombe	...	...	44	32	bc, b	b	6.0
										Weston-super-Mare	...	...	44	32	bc, b	b	

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.	Max.	Min.	Night Min. on Grass.	Night.	Fore- noon.		After- noon.
			Max.	Min.																
			24 HOURS ENDED 9 A.M. TO-DAY.																	
Greenwich (Royal Obs.) ...	71	92	43	30	18	0.02	c, b	c	c, bc	2.6	Dublin to 4 p.m.	-	43	37	37	o	o, bc	bc	7.0	
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	0.9	Plymouth to 9 p.m.	-	43	31	25	bz	bc	bz	5.2	
Westminster (St. James's Pk.)	76	95	44	35	27	0.01	bc	r	me	1.0	Darwen	-	42	32	30	bc	bc	bc		
Camden Sq. (Brit. Rainfall)	65	93	45	29	25	0.01	c	b, bc	bc, o, p	2.4	Manchester	-							1.0	
Hampstead (Reservoir) ...	*	92	41	32	27	0.01	bc	o, r	o	2.5	Birmingham	-	42	33	28	b	o	c		
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY									Oxford to 8 p.m.	-	43	32	27	c, o	o, c	o, c	
			Total.		Average Rate.		Max. Rate.													
S. Kensington (Roof of M.O.)	65	94	316 Joules.		8.5 Milliwaits.		30.5 Milliwaits.		0.5	S. Kensington (Museum Grounds to 6 p.m.)	-	43	33	24	bc, y	o	c			

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

	Sunrise.	Noon.	Sunset.
22nd 23rd Feb. 1913.	G.M.T.	G.M.T.	G.M.T.
Yarmouth	6.58	12.7	5.16
Greenwich	7.3	12.14	5.28
Wick	7.30	12.26	5.23
Valencia	7.48	12.55	6.5

NOTES ON YESTERDAY'S WEATHER.

During yesterday the thermometer remained below 45° in almost all parts of these Islands and only touched 38° at Wick and River Castle. Slight rain has fallen in the east and north-east of Great Britain, but the weather of yesterday was very bright in most parts of England; some places on the coast of Sussex recorded more than 8½ hours of bright sunshine. According to a wireless report a South-Easterly gale prevailed yesterday morning in Lat. 49°N. Long. 22°W.

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.

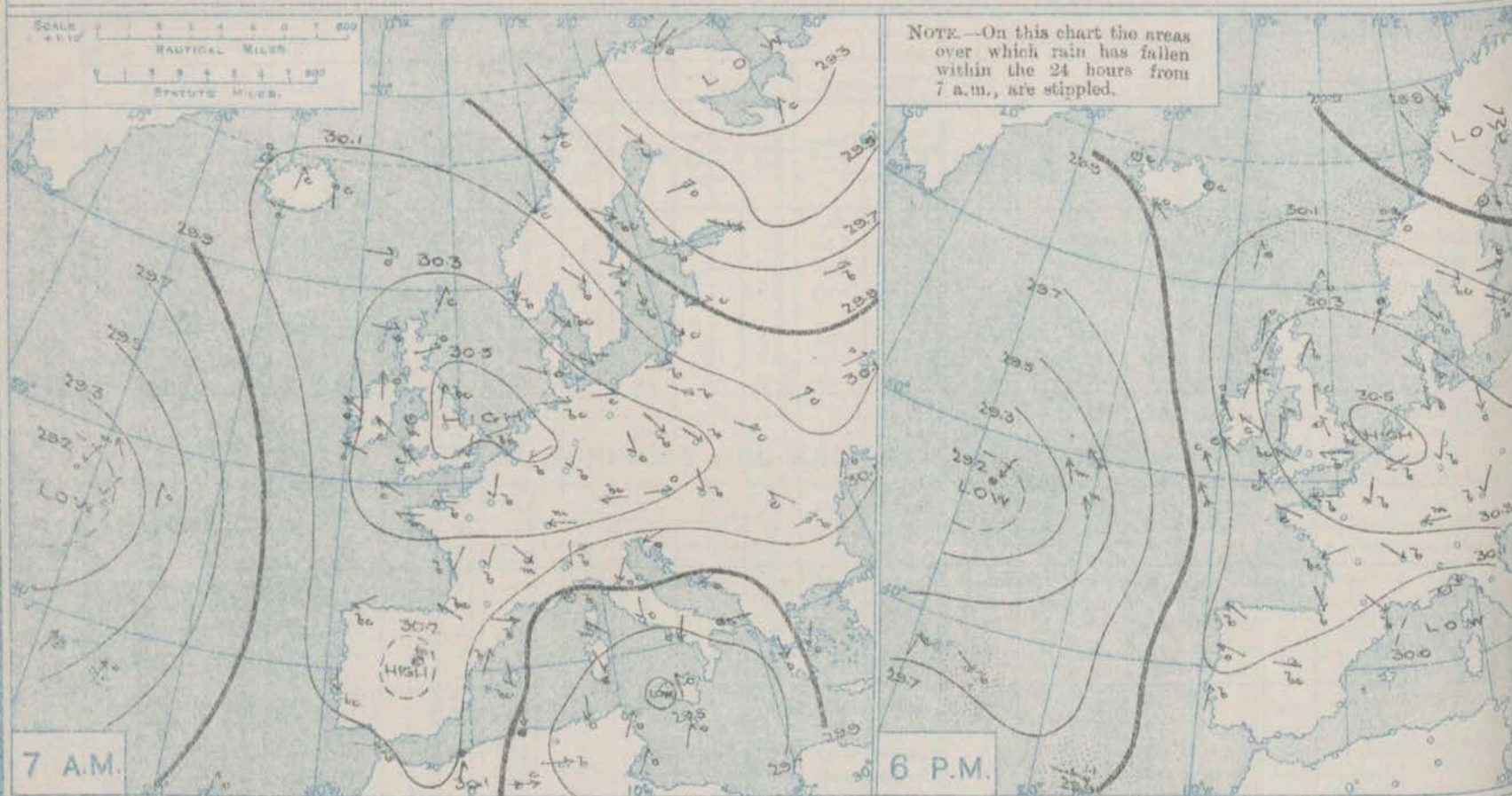
Sunday,
23rd February, 1913.

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.	BAROMETEN.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.				
		At 22° Fahr. and M.S.L. Lat. 46°.	Dry Bulb.	Wet Bulb.	Dirac.				At 22° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						Dirac.	Force (0 to 12).	Weather.	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.		Aftern'n. 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.
BRITISH ISLANDS.	Lerwick	30.27	41	SW	2	6	30.06	-0.04	41	+8	SW	3	0	2	-	44	32	bc	bm	com	2			
	Sornoway	30.27	41	SSW	5	0	30.06	-0.05	41	+2	SSW	6	0	5	-	42	29	0	0	0	0.0			
	Castlebay (Barra Isd.)	30.26	43	S	4	0	30.05	-0.07	43	0	SSE	5	0	6	-	43	40	0	0	0	0.0			
	Malin Head	30.25	39	SSW	3	bcy	30.01	-0.03	37	-1	SSW	6	bcy	4	-	44	35	bc	bm	bcy	0			
	Blacksod Point	30.16	44	SSE	5	0	29.91	-0.04	43	+5	S	6	0	4	-	45	37	com	com	com	0			
	Valencia	30.08	45	SE	6	cy	29.85	-0.04	47	+5	SE	6	0	5	-	48	41	bcy	bcy	cy	2.0			
	Roche's Point	30.24	45	SSE	6	0	30.01	-	45	+2	SSE	7	0	6	-	46	43	cy	c	c	0.0			
	Birr Castle	30.21	40	SE	4	0	30.01	-	41	+6	SE	5	0	4	-	46	34	c	c	c	3.3			
	Donaghadee	30.35	40	SE	3	bc	30.16	-0.04	39	-1	SSE	2	0	2	-	44	36	bc	bc	bc	0			
	Liverpool Obsy.	30.43	37	SE	3	0	30.28	-0.04	30	-5	ESE	4	0	3	-	42	29	bm	bc	bc	3.4			
ICELAND & FAEROE.	Holyhead	30.38	39	S	3	m	30.21	-0.04	38	+6	S	1	bc	0	-	40	32	bc	bm	bc	0			
	Pembroke (St. Ann's Hd.)	30.31	42	SE	6	bc	30.15	-0.03	40	+1	SE	7	bcy	6	-	44	38	com	com	bcy	5.5			
	Newquay	30.30	40	E	5	0	30.14	-	40	+8	E	3	0	2	-	45	32	0	0	0	6.8			
	Scilly (St. Mary's)	30.26	44	SE	6	com	30.11	-0.05	44	+5	SE	6	com	6	-	47	39	com	com	com	4.0			
	Jersey (St. Aubin)	30.36	41	E	4	bm	30.29	-	37	+1	E	4	0	4	-	45	33	bm	bc	bm	8.0			
	Portland Bill	30.39	41	E	6	0	30.30	-0.02	41	+3	SE	5	bc	4	-	43	37	bc	c	bc	0			
	Dungeness	30.43	38	E	3	bc	30.39	-0.01	39	+1	SE	4	0	4	-	42	36	c	bc	bc	0			
	Dover	30.51	35	NE	3	0	30.44	-	35	-1	ESE	2	0	4	-	41	34	0	0	0	8.8			
	Wick	30.31	35	WSW	3	bc	30.12	-0.03	35	+1	WSW	4	0	4	-	42	32	bm	bm	bm	0			
	Nairn	30.32	39	WSW	1	0	30.12	-	39	+5	WSW	1	0	1	-	44	27	0	0	0	5.5			
SCANDINAVIA.	Aberdeen	30.38	39	SW	1	0	30.20	-0.03	33	-4	SW	2	0	2	-	46	32	cy	0	0	4.8			
	Leith	30.41	39	SW	1	0	30.23	-0.06	27	-5	SSE	1	bc	0	-	44	26	cy	0	0	0			
	North Shields	30.44	39	S	2	0	30.32	-0.02	29	-2	SSW	2	0	2	-	43	27	cy	0	0	0			
	Spurn Head	30.47	38	SE	3	0	30.39	-0.02	33	-5	S	4	0	4	-	43	32	bc	bc	bc	3.4			
	Yarmouth	30.50	38	ESE	2	bc	30.44	-0.03	37	-2	S	3	0	3	-	43	36	bc	bc	bc	3.3			
	Clacton-on-Sea	30.48	38	ESE	2	0	30.41	-0.01	38	+4	SE	3	0	2	-	41	34	bc	c	bc	3.8			
	Nottingham	30.46	39	SSE	2	0	30.37	-	27	-3	SE	1	0	0	-	41	23	0	0	0	0.0			
	Bath	30.44	38	E	1	0	30.32	-	31	-2	E	1	0	0	-	43	28	-	-	-	3.6			
	London (Kew Obsy.)	30.47	37	E	3	bm	30.41	+0.01	27	-7	E	2	0	0	-	42	27	smfg	com	bm	0.4			
	Isafjord	29.94	34	-	0	0	29.78	-0.03	34	+2	E	4	0	0	-	0	0	0	0	0	0			
GERMANY, &c.	Reykjavik	29.87	37	E	1	0	29.56	-0.06	36	+1	E	4	0	0	-	0	0	0	0	0	0			
	Vestmanna	29.91	40	SE	4	0	29.57	-0.08	42	+2	ESE	5	0	0	-	0	0	0	0	0	0			
	Seydisfjord	29.99	41	-	0	0	29.78	-0.02	35	-2	-	0	0	0	-	0	0	0	0	0	0			
	Thorshavn	30.15	41	SSW	2	0	29.91	-0.05	40	+2	WSW	3	0	0	-	0	0	0	0	0	0			
	Haparanda	29.72	2	NW	2	0	29.65	+0.01	-9	-14	NW	2	0	0	-	16	-11	0	0	0	0			
	Hernösand	29.92	22	-	0	0	29.89	-0.00	14	-7	S	2	0	0	-	28	12	0	0	0	0			
	Stockholm	30.04	25	W	4	0	29.98	-0.02	23	+2	W	2	0	0	-	28	21	0	0	0	0			
	Wisby	30.11	30	NW	6	0	30.07	-0.04	30	+2	WNW	4	0	0	-	30	27	0	0	0	0			
	Karlstad	30.19	23	WNW	2	bc	30.00	-0.04	24	+7	-	0	bc	0	-	30	16	0	0	0	0			
	Färder (Klanta Fjord)	30.23	29	W	2	0	30.04	-0.01	31	+5	WSW	4	0	3	-	32	25	0	0	0	0			
FRANCE.	Bodö	29.76	24	NW	6	0	29.75	-0.04	26	-1	NW	2	0	2	-	28	21	0	0	0	0			
	Christiansund	30.02	31	W	5	0	29.89	-0.05	33	+3	SW	2	0	4	-	34	27	0	0	0	0			
	Skudesnaes	30.28	35	SSW	4	0	30.15	-0.02	38	+11	W	4	0	2	-	38	27	0	0	0	0			
	The Scaw (Skagen)	30.28	31	NNW	2	0	30.14	-0.00	38	+5	WNW	6	0	2	-	38	28	0	0	0	0			
	Blaavands Huk	30.43	35	NNW	3	0	30.36	-0.02	36	0	W	3	0	2	-	36	30	0	0	0	0			
	Cuxhaven	30.44	34	N	2	0	30.45	-0.00	31	-1	SW	2	0	0	-	39	30	0	0	0	0			
	The Helder	30.52	37	NNW	2	0	30.48	-0.01	24	-7	S	2	0	1	-	39	23	0	0	0	0			
	Brussels	30.49	32	ENE	3	0	30.47	-0.01	29	+1	ESE	2	0	0	-	40	27	0	0	0	0			
	Berlin	30.32	35	N	4	0	30.48	+0.03	25	+1	W	1	0	0	-	36	24	0	0	0	0			
	Frankfurt	30.49	32	NE	1	0	30.52	+0.03	27	-1	E	1	0	0	-	39	21	0	0	0	0			
SPAIN, PORTUGAL, &c.	Munich	30.47	21	NE	2	0	30.55	+0.01	16	+1	S	2	0	0	-	28	12	0	0	0	0			
	C. Gris Nez	30.45	34	ENE	3	0	30.43	-0.02	30	0	S	1	0	1	-	41	28	0	0	0	0			
	La Hève	30.43	36	ENE	4	0	30.18	-	27	0	E	5	0	4	-	41	23	0	0	0	0			
	Brest (St. Mathieu)	30.28	40	ESE	3	0	30.17	-0.04	37	+7	SSE	4	0	4	-	43	30	0	0	0	0			
	Lorient (Bec Melon)	30.26	41	E	4	0	30.15	-	35	+3	E	5	0	2	-	41	20	0	0	0	0			
	Rochefort (Ile d'Aix)	30.25	41	ENE	4	0	30.19	-	31	0	ENE	3	0	0	-	46	30	0	0	0	0			
	Biarritz	30.17	46	NNW	3	0	30.08	-	32	-8	ESE	3	0	0	-	50	23	0	0	0	0			
	Paris	30.39	34	NNE	2	0	30.38	+0.01	24	-4	NNE	2	0	0	-	42	23	0	0	0	0			
	Belfort	30.31	30	E	6	0	30.41	-	22	-2	E	6	0	0	-	35	21	0	0	0	0			
	Lyons	30.22	34	NW	2	0	30.28	-	25	-3	-	0	0	0	-	39	24	0	0	0	0			

* 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. 22ND FEBRUARY.



GENERAL INFERENCE

WEATHER PROSPECTS.

FORECASTS FOR THE 24 HOURS NOON SUNDAY TO NOON MONDAY.

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

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

SOUTH CONE HOISTED at 7 p.m. yesterday.

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

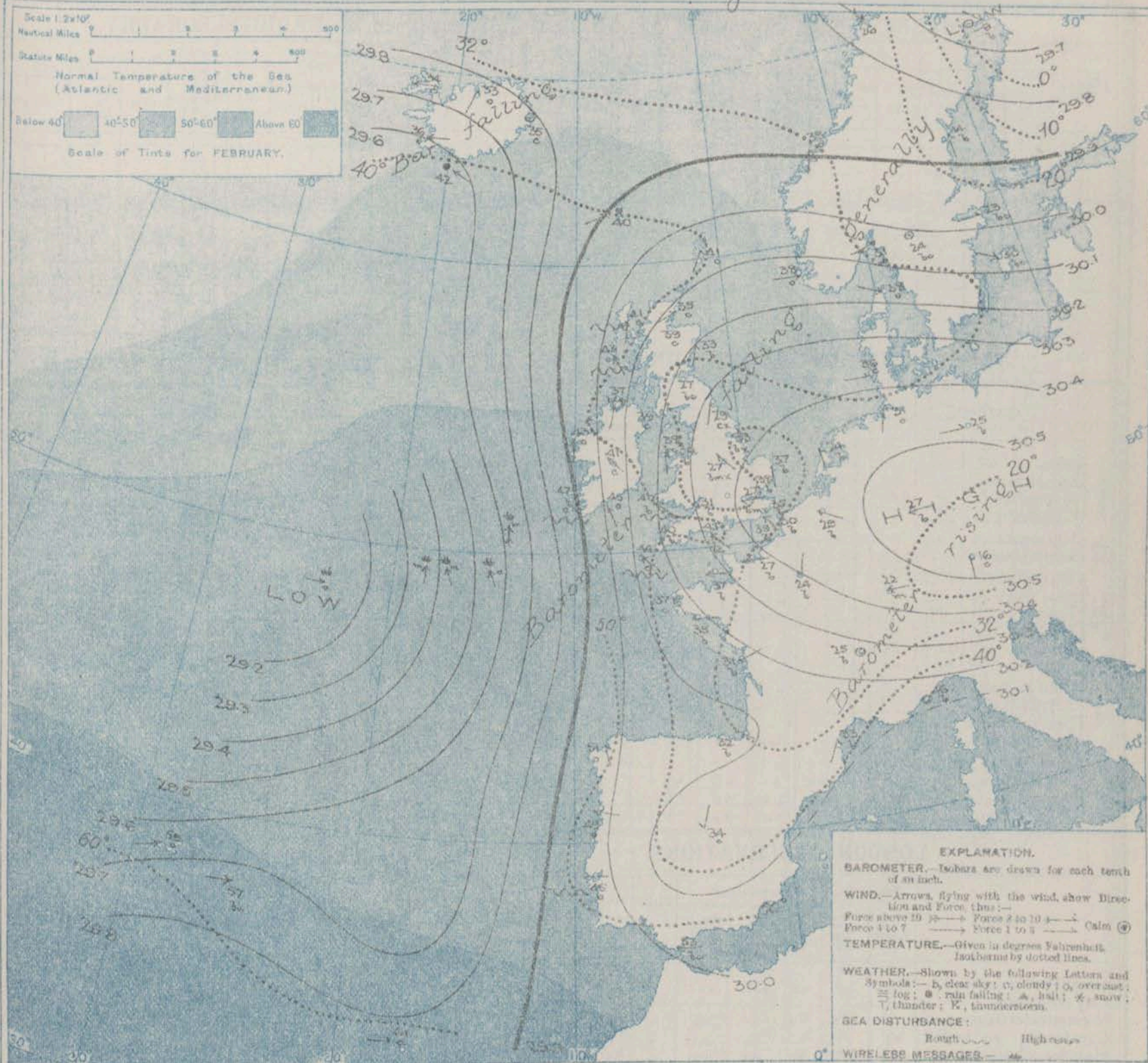
11 WESTERN CHANNEL AND BAY.

THE FURTHER OUTLOOK.

None Issued

None Issued

SYNOPTIC CHART FOR 7 A.M. Sunday, 23rd FEBRUARY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

In a Continental high pressure system the barometer is above 30½ in. over Western and Southern Germany. There is an extensive depression on the Atlantic, and pressure has decreased below 29.9 in. on the Kerry coast, and below 29.6 in. off the south of Iceland. The gradient is considerable over our Western districts and over the Ocean, moderate to slight elsewhere.

South-westerly to westerly breezes prevail over Scotland and beyond the North Sea. Easterly to southerly over the rest of our area. A strong or high wind is reported on the Irish coast and in the South West of England, but generally the force is moderate to very light. At the home

stations temperature ranges from 27° at death, Nottingham and Kew Observatory, to 57° at Valencia; on the Continent from 16° at Munich, to 76° at Nice, and 53° at Gibraltar; in Scandinavia from -9° at Haparanda to 38° at Skudenes; and in Iceland from 33° to 42°. Rain is falling at the Lævi and in southern Iceland, snow at Bodø, elsewhere fair to fine dry weather is general. A rough sea is running off our South-Western coasts, in other localities it is moderate to very smooth.

Sunday, 23rd February. 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dirac.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dirac.	Force.	
					In.	In.		(0-12).								In.	In.		(0-12).
22nd. 6pm	49	22	<u>Montreal</u>	H	29.28	+0.1	SSE	6-7	m	22nd. 6pm	49	11	<u>Marquette</u>	O	29.94	-1.10	SSE	8-9	o
" 6pm	48	20	<u>Mcinnawaska</u>	H	29.34	+0.1	SSE	4-5	m	" 7am	49	29	<u>Montreal</u>	H	29.25	+0.04	SSE	6-7	m
" "	50	20	<u>Galtie</u>	O	29.50	-0.06	SE	8-9	o	" "	47	24	<u>Mcinnawaska</u>	H	29.31	+0.06	S	1-3	o

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

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
		In.	"	"			Hr.			In.	"	"			Hr.
Scotland.	{ Oban						England, E.E.	{ Margate	42	37	bc	bc	
	{ Stonehaven ... ..	...					{ Ramsgate ... ..		...	41	37	b	b	
	{ St. Andrews ... ..	...					{ Deal ... ..		...	42	37	bc, b	b	
	{ Carnoustie ... ..	...					{ Folkestone ... ..		...	43	37	b	b	
Eng. N.E.	{ Harrogate ... ..	...	39	27	bm	bm	17	{ Littlestone ... ..	...	"	"	"	"	
	{ Scarborough ... ..	...					{ Hastings ... ..	...	41	34	b	b		
England, N.W.	{ Blackpool ... ..	...	43	29	bmo	o	6.3	{ Bexhill-on-Sea ... ..	...	42	35	b	b	
	{ Southport ... ..	...	44	29	bc	bc	4.6	{ Eastbourne ... ..	...	43	31	b	b	
	{ Buxton ... ..	...	39	26	bc	c, o	2.6	{ Seaford ... ..	...	42	29	b	b	
	{ Matlock ... ..	...					{ Brighton ... ..	...	44	31	bc, b	bc, b		
	{ Douglas ... ..	...					{ Worthing ... ..	...	43	32	b	b		
Wales.	{ Rhyl ... ..	...						{ Littlehampton ... ..	...	"	"	"	"	
	{ Colwyn Bay ... ..	...	45	31	bc	bc	9.0	{ Bognor ... ..	...					
	{ Llandudno ... ..	...					{ Southsea ... ..	...						
	{ Bettws-y-Coed ... ..	...					{ Bournemouth ... ..	...	48	30	g, c	bc, b		
	{ Aberystwyth ... ..	...	44	31	bc, b	b, bc	8.3	{ Weymouth ... ..	...	43	34	bc	bc, b	
England, E.	{ Lowestoft	0.02	41	34	bp	bc	4.3	{ Teignmouth	44	40	c	c	
	{ Felixstowe	0.03	41	35	bc	b	4.5	{ Torquay	44	40	c	c	
	{ Walton-on-Naze ... ..	...					{ Paignton ... ..	...						
	{ Southend-on-Sea	0.05	42	34	b	b	5.0	{ Ilfracombe	44	34	bc, b	b, bc	
								England, S.W.	{ 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.	In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.	
			Max.	Min.						
			24 HOURS ENDED 9 A.M. TO-DAY.							
	%	%				In.				Hr.
Greenwich (Royal Obs.) ...	65	76	42	24	10	-	c	c, b	b, c	2.7
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	0.4
Westminster (St. James's Pk.)	74	83	42	31	22	-	f, bc	bc	bc, c	0.9
Camden Sq. (Brit. Rainfall)	64	77	42	24	21	-	b	bc	bc, bc	0.0
Hampstead (Reservoir) ...	*	75	39	23	13	-	c, f	dfx	df	0.8
Kew. (See front page.)	VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.									
			Total.		Average Rate.		Max. Rate.			
S. Kensington (Roof of M.O.)	66	73	231 Joules.		6.2 Milliwatts.		24 Milliwatts.		0.4	

Additional Observations for Yesterday.

STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Year day.
		In Screen.		Night Min. on Grass.	Night.	Fore- noon.	After- noon.	
		Max.	Min.					
Dublin to 4 p.m.	In.							
Plymouth to 9 p.m.	-	44	38	3	bc	of	bc	6-4
Darwen "	-	46	36	26	bc	bc	of, bc	6-5
Manchester "	-	40	28	25	bc	bc	bc	5-5
Birmingham "	-	45	30	20	bc	b	b, bc	0-0
Birmingham "	-	39	32	19	b	o	o	
Oxford to 8 p.m.	-	40	30	22	bc, of	of, o	o, bc	
S. Kensington (Museum Grounds to 6 p.m.)	0.01	41	34	21	bc	om	bc	

NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature passed above 40° in nearly all parts of British Isles, to 42° at Bouremouth and Valencia. Frost occurred at most stations in Britain this morning, a shade reading of 23° at Nottingham, and a gross minimum of 13° at Yew Observatory. There was no bright sunshine in the Hebrides, but the day was very fine in the south of England, with nearly 9 hours of sunshine at Worthing, Dover, & Hastings, & in N. Wales, with 9 hours at Colwyn Bay. As far west as the 25th. meridian, ships experienced S.E.^{ly} and S.^{ly} winds, strong to a gale, with dull misty weather, and beyond to the 32nd. meridian, light to moderate and variable breezes, with dull weather.

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

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

12.25

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Monday,
24th February, 1913.

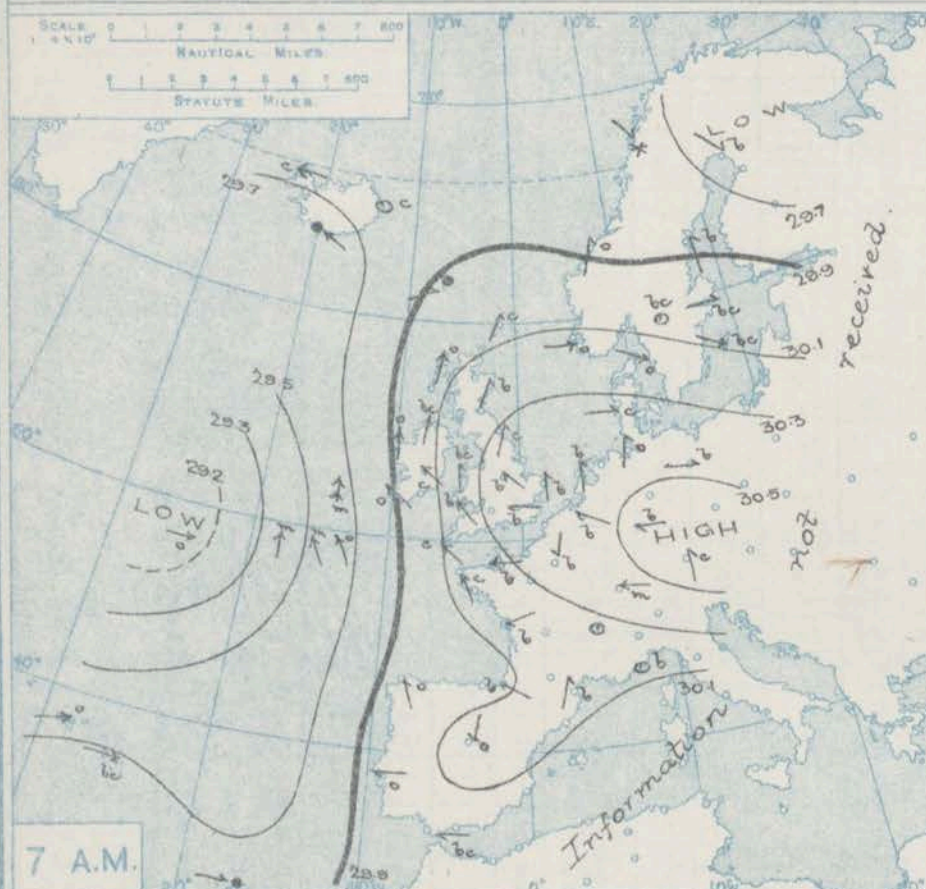
STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
		BAROM.		TEMP.		WIND.	BAROMETER.		TEMP.		WIND.		Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.					
		At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Dirac.	Force (0 to 12).		Weather.	At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.	Dirac.			Force (0 to 12).	Weather.	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.	
BRITISH ISLANDS.	Lerwick	In.					In.	In.							In.						Hours	
	Stornoway	29.94	41	SSW	3	c	29.78	-0.3	41	0	S	2	c	4	-	43	30	c	c	cm	*	
	Castlebay (Barra Isd.)	29.89	43	S	6	og	29.74	-0.5	43	+2	SSW	6	c	5	-	44	40	og	og	o-cg	0.1	
	Malin Head	29.87	45	S	5	og, m	29.69	-0.4	45	+2	SSE	5	o	6	0.01	45	41	og, m	og, m	og, m	0.0	
	Blacksod Point	29.88	42	S	4	om	29.63	-0.8	40	+3	S	5	omq	4	-	44	37	og, m	om	om	*	
	Valencia	29.73	47	SSE	7	r	29.49	-0.7	45	+2	SSE	7	o	5	0.20	47	41	omq	omq	omq	*	
	Roche's Point	29.70	48	SE	6	om	29.43	-0.2	48	+1	SE	6	r	5	0.72	49	46	om	om	om	0.0	
	Birr Castle	29.86	47	SSE	6	o	29.59	-	47	+2	S	7	o	6	-	47	45	o	o	om	*	
	Donaghadee	29.84	45	SE	4	c	29.59	-	44	+3	SE	4	c	*	-	49	40	c	c	c	0.1	
	Liverpool Obsy.	30.00	43	S	3	c	29.76	-0.6	43	+4	S	3	c	3	-	44	38	cm	cm	c	*	
ICELAND & FAEROE.	Holyhead	30.13	41	ESE	4	c	29.84	-0.7	34	+4	ESE	4	o	3	-	44	30	bc	c	o	3.3	
	Pembroke (St. Ann's Hd.)	30.04	46	S	5	o	29.76	-0.6	42	+4	S	3	c	2	-	46	37	bc	og	bc	*	
	Newquay	29.99	44	SE	4	c	29.73	-0.6	43	+3	SE	7	cgq	6	-	46	40	bc	cg	cgq	0.3	
	Scilly (St. Mary's)	29.94	43	E	5	c	29.73	-0.3	42	+2	SE	4	bc	2	-	45	40	bc	bc	bc	1.0	
	Jersey (St. Aubin)	29.91	47	SE	6	cm	29.68	-0.6	47	+3	SSE	6	cm	6	-	48	42	cm	cm	cm	0.0	
	Portland Bill	30.13	46	ESE	3	bc	29.92	-	41	+4	SE	4	b	4	-	48	36	cm	bc	b	7.9	
	Dungeness	30.11	43	ESE	5	b	29.89	-0.4	44	+3	SE	5	bc	4	-	46	41	bc	bc	bc	*	
	Dover	30.23	43	ESE	4	bc	30.00	-0.4	39	0	ESE	4	b	4	-	46	37	bc	bc	bc	*	
	Wick	30.30	42	ESE	3	b	30.08	-	38	+3	SSE	4	b	4	-	45	35	b	b	bc	8.2	
	Nairn	29.93	42	SW	5	c	29.77	-0.3	40	+5	SW	3	c	3	-	44	33	o-cm	o-cm	bc	*	
SCANDINAVIA.	Aberdeen	29.95	41	W	1	o	29.78	-	36	-3	-	0	o	1	trace	44	28	gc	gc	gc	0.4	
	Leith	30.06	37	S	2	o	29.85	-0.4	38	+5	S	1	o	2	-	39	32	bc	bc	bc	0.0	
	North Shields	30.08	38	SSE	1	bc	29.87	-0.4	33	+6	NR	1	g	*	trace	40	25	bc	bc	bc	*	
	Spurn Head	30.17	38	SSW	2	c	29.95	-0.4	33	+4	S	2	g	3	-	41	26	c	c	c	0.3	
	Yarmouth	30.23	41	SSE	4	c	30.02	-0.4	36	+3	SSE	4	c	4	-	44	32	bc	bc	c	7.3	
	Clacton-on-Sea	30.32	39	SSE	2	bc	30.07	-0.4	37	-0	S	3	bc	3	-	44	36	bc	bc	bc	7.3	
	Nottingham	30.29	41	SE	3	bc	30.16	-0.4	38	0	SE	3	bc	3	-	42	38	bc	bc	bc	8.0	
	Bath	30.21	36	ESE	1	b	29.96	-	30	+3	SE	1	c	*	-	47	24	bc	bc	bc	4.4	
	London (Kew Obsy.)	30.16	39	E	3	o	29.92	-	38	+7	ESE	1	o	*	-	49	31	-	-	-	3.5	
	Isafjord	30.25	39	ESE	2	bc	29.99	-0.6	32	+5	SE	2	bc	*	-	49	27	bc	bc	bc	5.0	
GERMANY, &c.	Reykjavik	29.71	30	E	7	c	29.56	-0.1	30	-4	-	0	c	*	-	*	*	*	*	*		
	Vestmanna	29.39	40	E	6	c	29.35	-0.0	40	+4	E	6	o	*	-	*	*	*	*	*		
	Seydisfjord	29.45	44	SE	2	r	29.39	+0.1	42	0	E	7	o	3	-	*	*	*	*	*		
	Thorshavn	29.78	31	NE	5	S	29.64	-0.4	31	-4	-	0	S	*	-	*	*	*	*	*		
	Haparanda	29.79	44	S	4	o	29.62	-0.3	43	+3	-	0	r	*	-	*	*	*	*	*		
	Hernösand	29.52	-2	S	2	b	29.53	+0.4	-10	-19	NNW	2	o	*	-	39	-15	*	*	*		
	Stockholm	29.58	26	SW	2	S	29.67	+1.0	-23	+9	NW	2	c	*	trace	32	14	*	*	*		
	Wisby	29.80	27	SW	2	b	29.63	-0.1	35	+12	NW	4	o	*	-	36	23	*	*	*		
	Karlstad	29.93	35	WSW	4	b	29.77	-0.3	36	+6	W	4	c	*	-	37	28	*	*	*		
	Færder (Xtania Fjord)	29.85	34	W	2	c	29.76	-0.0	36	+12	W	2	o	*	-	37	23	*	*	*		
FRANCE.	Bodö	29.91	36	SW	5	o	29.81	-0.5	38	+7	WSW	5	o	3	-	38	30	*	*	*		
	Christiansund	29.58	22	E	4	bc	29.63	+0.3	24	-2	W	6	S	3	-	28	21	*	*	*		
	Skudesnaes	29.72	25	W	8	S	29.75	-0.3	26	-7	WNW	2	o	4	0.7	34	24	*	*	*		
	The Scaw (Skagen)	30.04	39	SW	4	c	29.91	-0.3	38	0	S	6	f	4	-	39	37	*	*	*		
	Blaavands Huk	30.01	38	WNW	7	m	29.93	-0.1	38	0	W	7	o	2	-	39	37	*	*	*		
	Cuxhaven	30.26	38	W	5	b	30.14	-0.3	37	+1	WSW	4	o	3	-	38	36	*	*	*		
	The Helder	30.38	32	W	1	b	30.21	-0.6	28	-3	SW	2	o	*	-	39	28	*	*	*		
	Brussels	30.40	33	SE	2	b	30.15	-0.4	22	-2	SSE	3	c	1	-	43	22	*	*	*		
	Berlin	30.30	35	ESE	3	b	30.16	-0.2	28	-1	S	1	bc	*	-	48	28	*	*	*		
	Frankfurt	30.43	34	W	2	b	30.31	-0.4	24	-1	S	1	c	*	-	39	24	*	*	*		
SPAIN, PORTUGAL, &c.	Munich	30.43	32	NE	1	b	30.32	-0.2	25	-2	NE	1	f	*	-	43	25	*	*	*		
	C. G. Nez	30.47	25	NE	3	b	30.37	-0.4	16	0	SE	3	b	*	-	34	14	*	*	*		
	L. Hève	30.28	36	E	3	bc	30.06	-0.7	33	+3	SE	4	b	3	-	43	28	*	*	*		
	Brest (St. Mathieu)	30.17	35	ESE	5	c	30.02	-	37	+10	SE	5	bc	4	-	41	?	*	*	*		
	Lorient (Bec Melen)	30.00	46	SSE	4	c	29.77	-0.4	44	+7	SE	5	o	4	-	46	37	*	*	*		
	Rocheport (Ile d'Aix)	29.99	43	E	4	bc	29.92	-	39	+8	SE	4	bc	*	-	48	30	*	*	*		
	Biarritz	29.96	50	E	3	o	29.92	-	53	+21	S	4	b	3	-	54	32	*	*	*		
	Paris	30.25	39	ENE	2	b	30.13	-0.0	26	+2	SSE	2	b	*	-	50	23	*	*	*		
	Belfort	30.30	34	ENE	7	m	30.29	-	26	+4	E	5	m	*	-	41	22	*	*	*		
	Lyons	30.29	32	-	0	b	30.25	-	25	0	-	0	m	*	-	41	24	*	*	*		

GALES.
Duration and Extreme Force
on British Coasts.Pembroke. 7 p.m.
Extreme, SE. 8.

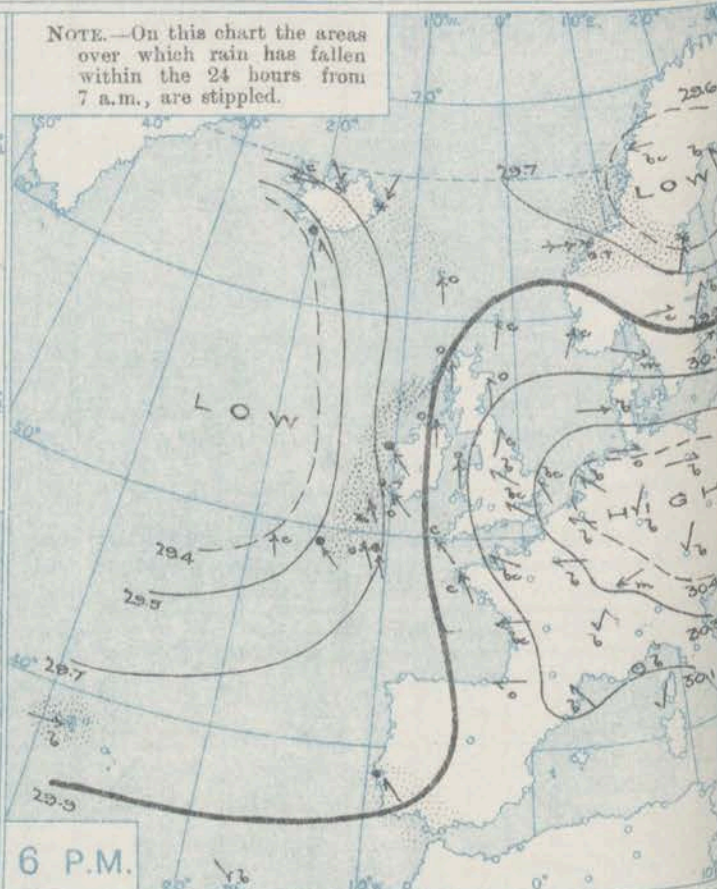
* Information for these columns not usually received.

† Received too late for insertion in Charts.

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



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 large area of low pressure on the Atlantic will take up a position very gradually further to the

eastward, and become the chief factor in the distribution over these Islands and north-western Europe.

FORECASTS FOR THE 24 HOURS NOON Monday TO NOON Tuesday.

0 {
a
b
1 {
a
b
2 {
a
b

Southerly winds, increasing in force; fair to dull, with some rain; becoming milder.

3 {
a
b
4 {
a
b
5 {
a
b

Wind between South-East and South, light, then freshening; fair, then becoming cloudy or overcast, and finally rainy, with a higher temperature.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

South Cone hoisted at 8.35 this morning in Districts 9 and 10.

6 {
a
b
7 {
a
b
8 {
a
b

Same as Nos. 0 to 2.

9 {
a
b
10 {
a
b

Southerly winds, fresh or strong to a gale in places; cloudy or overcast, some rain; milder.

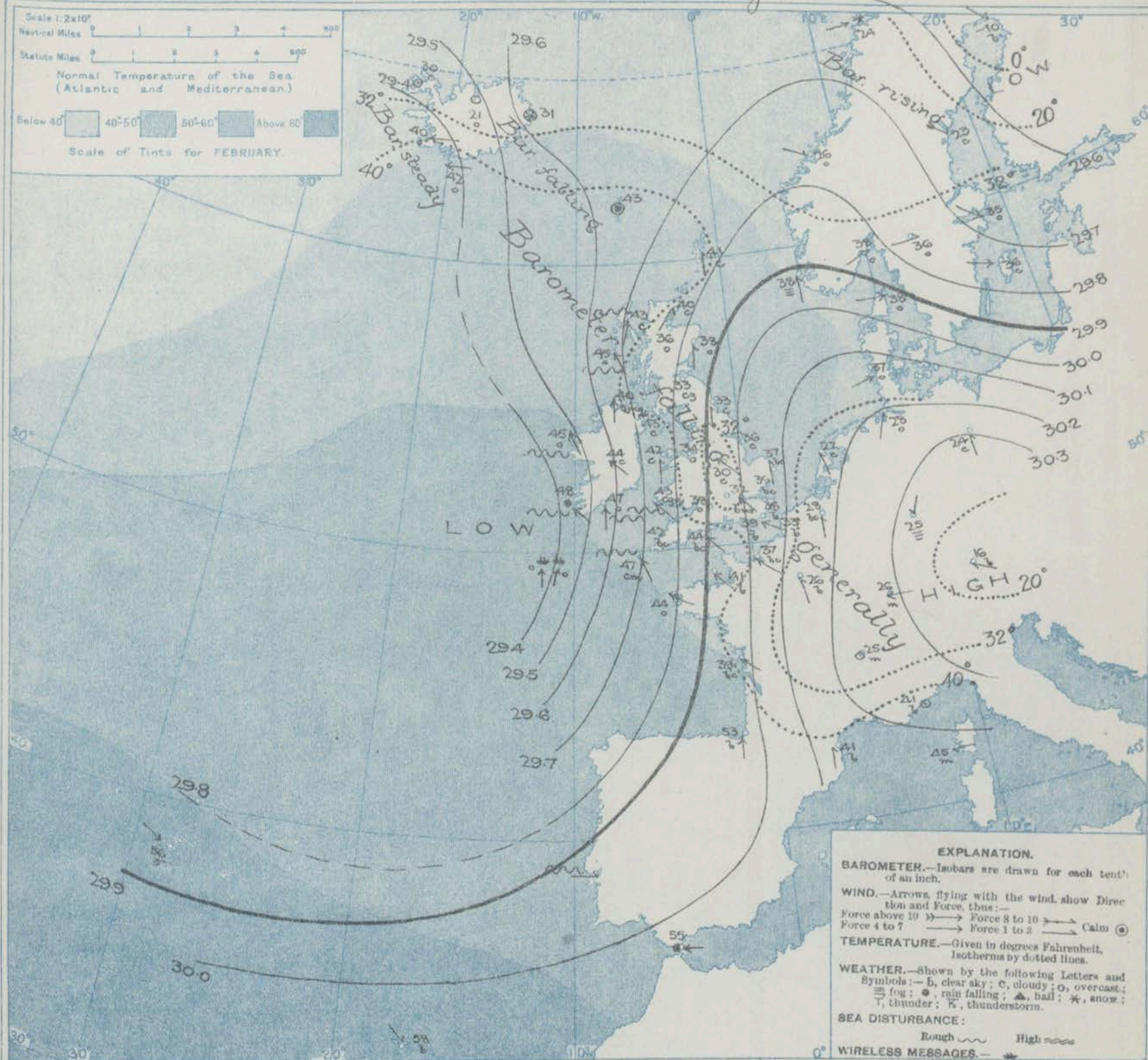
11 WESTERN CHANNEL AND BAY.

South-Easterly to Southerly winds, fresh to strong; sea moderate to rough; cloudy, then some mist and rain.

THE FURTHER OUTLOOK [all Districts]

Wind Southerly or South-Westerly, with a higher temperature.

SYNOPTIC CHART FOR 7 A.M. Monday, 24th FEBRUARY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure is above 30.3 in. over South Germany, below 29.4 in. off the south-west of Ireland and also in the west of Ireland, and below 29.6 in. in the north of Sweden.

The wind over the United Kingdom is S.E. in the south, and S. elsewhere. It blows a fresh to strong breeze on some exposed parts of our western and northwestern coasts, and at Pembroke, Roche's Point and Blackhead Point it has the force of a high wind. Over Scandinavia the direction is

mainly between S.W. and N.E. Temperature has risen in most regions. Over the United Kingdom it ranges from 48° at Valencia to below 35° over a large area in England, the lowest reading being 30° at Nottingham. The Continental readings range from 55° at Gibraltar to 10° below zero at Haparanda. Rain is falling at Valencia and much cloud is reported in the west of these islands generally. In the east and southeast the weather is fair to bright, and clear skies are also reported in most parts of France and Germany. Snow is falling at Bodö. At Gibraltar, where a heavy levanter is reported, and rain is falling, a thunderstorm occurred at 6.30 a.m.

DAILY WEATHER REPORT.

Monday, 24th February 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
24th Jan. 7am.	49	11	Montreal	H	29.36	+0.09	SSW	(0-12)	0	23rd Jan. 50	16	Empress of Ireland	O	29.40	-0.11	SSE	8-9	0	
24th Jan. 7am.	49	11	Empress of Ireland	O	29.38	-0.07	S	6-7	0	" " 49	14	Montreal	O	29.57	+0.05	SSE	6-7	0	
23rd. 6pm.	49	18	Montreal	O	29.42	-0.06	SSE	6-7	c	" " 51	14	Corsecan	H	29.43	+0.08	S	8-9	m	
" " 49	11	Montreal	O	29.49	-0.19	SSE	6-7	0	" 6pm 49	14	Montreal	H	29.35	-0.03	SE	6-7	f		
" " 51	11	Corsecan	H	29.58	+0.02	SSE	6-7	m	" ? 49	11	Montreal	H	29.48	-0.02	S	6-7	f		
" 7am 48	23	Montreal	H	29.14	+0.06	S	6-7	0											
" " 49	16	Montreal	H	29.51	+0.07	SSE	6-7	m											
" " 49	17	Montreal	H	29.35	+0.09	S	6-7	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	in.					Hr.	England, S.E.	Margate	in.	4.5	38	b	b	8.0
	Stonehaven								Ramsgate		4.4	34	b	b	8.0
	St. Andrews								Deal		4.5	34	b	b	8.0
	Carnoustie								Folkestone		4.7	35	b	b	8.0
England, N.E.	Harrogate		43	24	b, b	b, b, c	1.2	England, S.W.	Littlestone						8.2
	Scarborough		42	30	b	o, c	3.5		Hastings		4.4	36	b	b	7.8
	Blackpool		44	30	o, c	o	0.7		Bexhill-on-Sea		4.4	35	b, b	b, b	7.6
	Southport		45	30	m, b	b	1.0		Eastbourne		4.4	36	b	b	7.6
England, N.W.	Buxton							England, S.W.	Seaford						6.9
	Matlock								Brighton		4.5	35	b	b, c, o	8.3
	Douglas								Worthing		4.7	33	b	b, b	
									Littlehampton						
Wales.	Rhyl		45	30	b	b, c	2.1	England, S.W.	Bognor						6.5
	Colwyn Bay		48	32	b	b, b	3.0		Southsea		4.6	34	b	b	6.0
	Llandudno		48	32	b	b	2.0		Bournemouth		4.7	31	b, b	b, b	6.7
	Bettws-y-Coed								Weymouth		4.7	39	b	b	2.9
England, E.	Aberystwyth		48	31	b	b	2.2	England, S.W.	Teignmouth		4.5	41	b	b, b	5.7
	Lowestoft		45	33	b, b	b	7.9		Torquay		4.6	39	b	b	2.8
	Felixstowe		43	37	b	b	8.5		Paignton		4.7	39	b	b	1.5
	Walton-on-Naze		41	37	b	b	7.8		Ilfracombe		4.6	37	b	b	4.0
England, E.	Southend-on-Sea		46	33	b	b	8.0	England, S.W.	Weston-super-Mare		4.8	29	b	b	

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.) ...	51	75	43	29	16	-	b	b	b x	8.0	Dublin to 4 p.m.	In.	45	39	?	bcy	bc	o		
City (Bunhill Row) ...	*	*	*	*	*	*	*	*	*	5.9	Plymouth to 9 p.m.									
Westminster (St. James's Pk.)	54	80	49	33	23	-	b	bc	xm	6.2	Darwen									
Camden Sq. (Brit. Rainfall)	-	80	48	30	24	-	b	b	c, om	4.6	Manchester	-	46	31	16	b, bc	bc	bc	2.2	
Hampstead (Reservoir) ...	*	76	46	32	23	-	bef	befx	cf	5.1	Birmingham	-	44	27	16	b	bz	c	2.9	
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.								Oxford to 8 p.m.	-	48	29	20	bmx	bom	bom		
			Total.		Average Rate.		Max. Rate.													
S. Kensington (Roof of M.O.)	-	75	717 Joules.		19.1 Milliwatts.		36 Milliwatts.		5.0	S. Kensington (Museum Grounds to 6 p.m.)	-	48	23	20	bcz	bom	b, bc			

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

24th 25th Feb 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 6.53 6.51	G.M.T. 12.6 12.6	G.M.T. 5.14 5.21
Greenwich	6.56 6.56	12.13 12.15	5.28 5.30
Wick	7.24 7.21	12.25 12.25	5.27 5.29
Valencia	7.41 7.39	12.54 12.54	6.8 6.10

During yesterday temperature rose to above 45° over the greater part of the United Kingdom, but only touched 39° at Aberdeen. Much bright sunshine was recorded over England, more than 8 hours in some parts of Kent and Sussex. In Ireland and Scotland there was much cloud, and at 7 am to-day as much as 0.7 in. of rain was measured at Valencia. Wireless reports show that as far west as the 21st meridian, ships experienced strong southerly winds with misty, overcast or rainy weather.

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

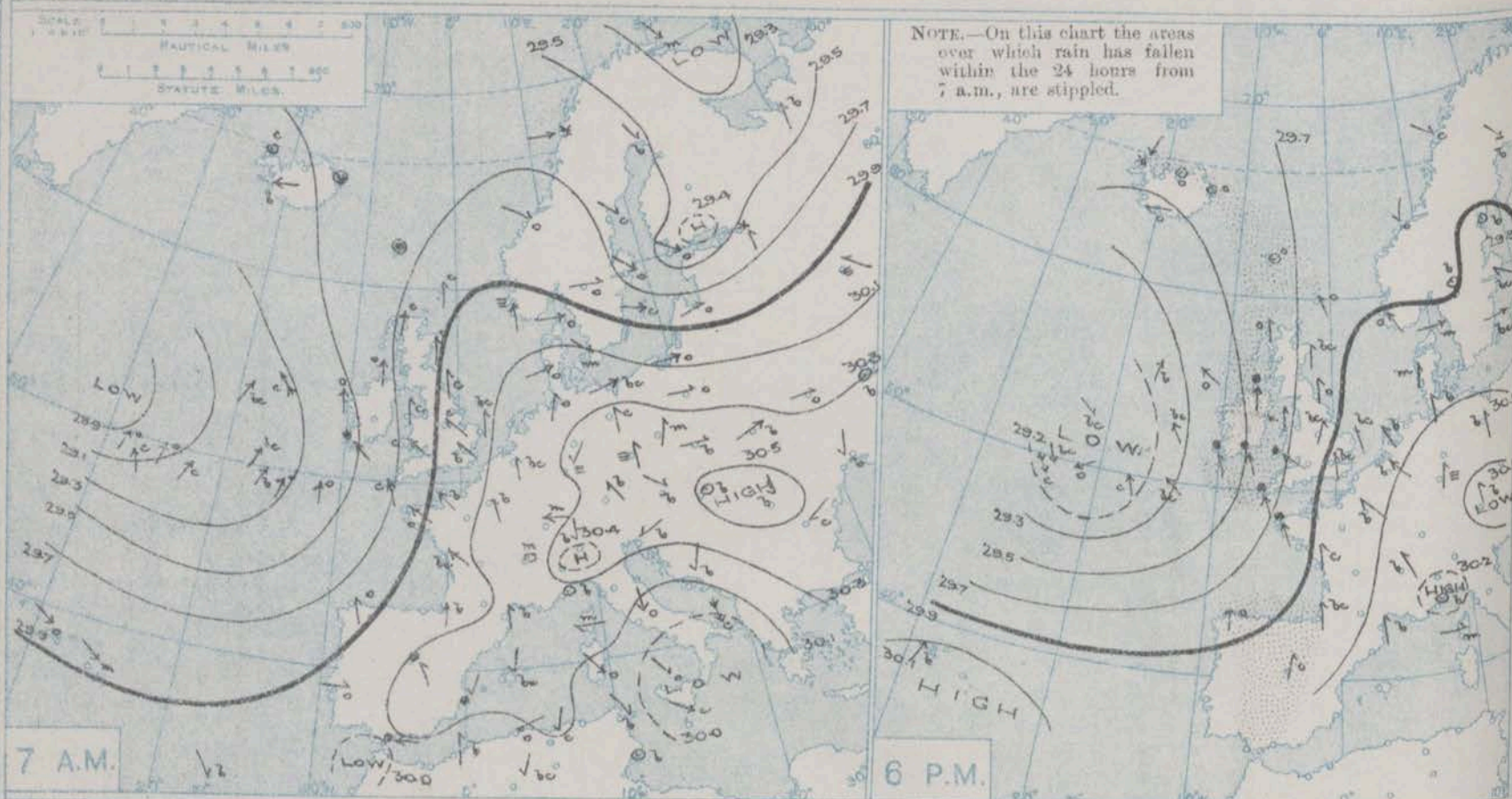
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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Tuesday
25th February 1913.

STATIONS	YESTERDAY EVENING.						THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shine for Yester- day.
	BAROM.		TEMP.		WIND.		BAROMETER.		TEMP.		WIND.		Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.						
	At 32° Fahr. and M.S.L. Lat. 46°.	Dry Bulb.	Direc.	Force (0 to 12).	Weather.	At 32° Fahr. and M.S.L. Lat. 46°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.	Direc.	Force (0 to 12).	Weather.			Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.				
																						Hours	
BRITISH ISLANDS.	Lerwick	In.					In.	In.															
	Stornoway	29.74	42	SSE	2	o	29.60	-0.2	43	+2	SSE	3	c	3	0.01	45	40	cm	cm	cm	0.0		
	Castlebay (Barra Isd.)	29.64	45	S	1	o	29.59	-0.1	45	+2	S	3	o	3	0.01	46	41	odp	odp	odp	0.0		
	Malin Head	29.60	45	SE	5	o	29.53	0.0	47	+2	SE	4	o	5	0.01	47	42	om	om	m. of o	0.0		
	Blacksod Point	29.50	43	S	6	cpmq	29.52	+0.2	44	+4	S	3	c	3	0.01	47	41	gpm	cmq	cp	0.0		
	Valencia	29.44	45	SSE	1	op	29.20	-1.3	47	-1	E	3	p	4	0.53	52	43	om	om	bc	0.0		
	Roche's Point	29.46	48	SSE	6	om	29.33	-1.1	48	+1	SE	6	c	6	0.57	49	44	om	om	bc	0.0		
	Birr Castle	29.48	49	SE	3	m	29.39	-0.9	47	+3	SE	2	r	1	0.15	49	40	o	om	o	0.0		
	Donaghadee	29.66	45	SE	4	r	29.59	0.0	45	+2	SSE	3	r	3	0.07	47	42	bc	om	om	0.0		
	Liverpool Obsy.	29.75	41	ESE	3	bc	29.67	-0.8	42	+8	SSE	4	o	3	0.07	47	42	bc	om	om	0.0		
	Holyhead	29.66	48	S	3	m	29.58	-0.1	48	+6	S	4	o	3	0.02	50	39	bc	cm	bc	0.0		
	Pembroke (St. Ann's Hd.)	29.64	45	SE	5	r	29.51	-0.4	47	+4	SE	5	o	5	0.29	48	42	cm	cm	om	0.0		
	Newquay	29.64	49	SE	5	om	29.55	+0.3	48	+6	SSE	4	bc	3	0.16	49	42	c	o	o	0.0		
	Scilly (St. Mary's)	29.53	50	SSE	6	om	29.48	0.0	49	+2	S	5	bc	6	0.10	50	46	om	om	om	0.0		
	Jersey (St. Aubin)	29.80	43	SE	3	cm	29.78	-0.2	45	+4	SSE	4	og	4	-	49	41	bc	bc	cm	0.0		
	Portland Bill	29.82	43	SSE	4	c	29.71	0.0	46	+2	SSE	5	c	5	-	48	43	bc	c	bc	0.0		
	Dungeness	29.90	46	SSE	4	c	29.85	-0.1	43	+4	S	5	b	4	-	48	38	bc	c	bc	0.0		
	Dover	29.94	45	SSE	4	b	29.93	-0.1	43	+3	S	3	b	4	-	47	37	bc	b	b	0.0		
	ICELAND & FAEROE.	Wick	29.67	41	S	3	bc	29.62	+0.1	41	+1	WSW	3	c	3	-	44	38	cm	bc	om	0.0	
Nairn		29.66	40	S	1	c	29.61	-0.5	35	-1	W	1	c	1	-	50	33	mze	ze	ze	0.0		
Aberdeen		29.73	39	S	1	bc	29.66	-0.1	38	0	S	3	bc	2	-	43	35	cog	cog	bc	0.0		
Leith		29.72	38	WSW	1	m	29.69	-0.1	41	+8	-	0	cf	2	-	44	32	fbcy	bcy	f	0.0		
North Shields		29.78	40	S	4	o	29.72	-0.6	37	+4	S	3	cy	2	-	42	31	c	o	c	0.0		
Spurn Head		29.85	39	SSE	5	c	29.80	-0.5	39	+3	SSE	5	c	4	-	43	35	c	c	bc	0.0		
Yarmouth		29.95	41	SSE	3	bc	29.89	-0.6	41	+4	S	3	b	3	-	44	36	bc	bc	b	0.0		
Clacton-on-Sea		29.93	42	SE	3	bc	29.88	-0.5	41	+3	S	2	bc	2	-	44	38	bc	bc	bc	0.0		
Nottingham		29.83	41	SW	1	bc	29.77	-0.6	37	+7	E	1	c	1	-	47	29	cm	bc	bc	0.0		
Bath		29.83	46	S	1	o	29.74	-0.9	46	+8	SSE	3	o	1	-	52	38	-	-	-	0.0		
London (Kew Obsy.)	29.90	44	S	2	bc	29.82	-0.8	42	+10	SSE	4	bc	1	-	49	32	om	bc	bc	0.0			
SCANDINAVIA.	Isafjord	29.65	28	NE	5	3	29.76	+0.1	30	0	E	7	o	1	-	44	25	bc	bc	bc	0.0		
	Reykjavik	29.43	41	E	2	o	29.47	0.0	39	-1	E	3	c	1	-	44	25	bc	bc	bc	0.0		
	Vestmanna	29.46	42	E	3	o	29.49	0.0	42	0	E	2	r	2	-	44	25	bc	bc	bc	0.0		
	Seydisfjord	29.56	36	-	0	o	29.64	+0.3	35	+4	-	0	o	1	-	44	25	bc	bc	bc	0.0		
	Thorshavn	29.63	44	-	0	o	29.55	-0.3	40	-3	-	0	r	1	-	44	25	bc	bc	bc	0.0		
	Haparanda	29.75	8	NW	4	b	29.87	+0.3	2	+12	N	2	b	1	-	10	-11	bc	bc	bc	0.0		
	Hernösand	29.92	21	-	0	b	30.02	0.0	5	-18	-	0	b	1	-	27	3	bc	bc	bc	0.0		
	Stockholm	29.91	30	SE	2	bc	30.01	+0.2	25	-10	E	2	o	1	-	39	28	bc	bc	bc	0.0		
	Wisby	29.91	35	W	4	bc	29.98	+0.4	35	-1	-	0	c	1	-	37	34	bc	bc	bc	0.0		
	Karlstad	29.90	30	-	0	b	29.96	0.0	31	-5	ESE	2	o	1	-	30	25	bc	bc	bc	0.0		
GERMANY, &c.	Færder (X'ania Fjord)	29.88	36	SW	2	m	29.84	0.0	32	-6	WSW	1	f	3	-	38	32	bc	bc	bc	0.0		
	Bodö	29.87	21	NW	2	c	29.83	-0.1	18	-6	E	4	o	1	-	27	16	bc	bc	bc	0.0		
	Christiansund	29.87	34	NE	1	o	29.73	-0.6	36	+10	-	0	o	3	-	36	26	bc	bc	bc	0.0		
	Skudesnaes	29.90	39	SSE	4	o	29.81	-0.3	38	0	SE	6	o	4	-	39	36	bc	bc	bc	0.0		
	The Scav' (Skagen)	29.95	36	W	5	m	29.94	0.0	33	-5	SSW	3	m	0	-	39	32	bc	bc	bc	0.0		
	Blaavands Huk	30.05	35	SSW	3	m	29.96	-0.3	36	-1	SSW	2	m	2	-	39	34	bc	bc	bc	0.0		
	Cuxhaven	30.08	33	S	2	b	30.03	-0.1	25	-3	S	3	b	1	-	41	25	bc	bc	bc	0.0		
	The Helder	30.04	33	SSE	2	b	29.99	-0.1	28	+6	SSE	3	b	2	-	43	22	bc	bc	bc	0.0		
	Brussels	30.05	40	SE	6	b	30.03	0.0	34	+6	SSE	3	b	1	-	50	28	bc	bc	bc	0.0		
	Berlin	30.19	37	S	2	b	30.13	+0.1	26	+2	S	2	c	1	-	46	24	bc	bc	bc	0.0		
FRANCE.	Frankfurt	30.19	28	SW	1	f	30.20	+0.1	21	-4	S	1	f	1	-	46	19	bc	bc	bc	0.0		
	Munich	30.05	30	S	2	b	30.27	0.0	21	+5	SW	1	b	1	-	39	16	bc	bc	bc	0.0		
	C. Gris Nez	29.97	42	SE	5	bc	29.91	-0.1	38	+5	SSE	5	b	3	-	52	33	bc	bc	bc	0.0		
	La Hève	29.95	46	SE	4	bc	29.83	-0.6	40	+3	E	5	c	3	-	52	37	bc	bc	bc	0.0		
	Brest (St. Mathieu)	29.73	50	SSE	5	r	29.68	+0.1	49	+5	SSW	4	o	5	-	50	44	bc	bc	bc	0.0		
	Lorient (Bec Melen)	29.78	49	SSE	4	b	29.71	-0.3	50	+3	S	3	c	4	-	54	43	bc	bc	bc	0.0		
	Rochefort (Ile d'Aix)	29.93	49	S	3	c	29.88	-0.5	45	+6	SSE	5	o	4	-	54	39	bc	bc	bc	0.0		
	Biarritz	29.91	55	S	3	bc	29.89	-0.2	51	-2	SSE	3	o	0	-	59	48	bc	bc	bc	0.0		
	Paris	30.04	44	SSE	3	b	30.02	0.0	31	+5	SE	2	b	1	-	52	26	bc	bc	bc	0.0		
	Belfort	30.19	42	SSE	1	b																	

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



GENERAL INFERENCE

WEATHER PROSPECTS.

The pressure distribution will continue favourable for winds between South and South-East over the United Kingdom generally, while the gradual encroachment eastward of the low-pressure

system and its secondary disturbances on the Atlantic will cause dull weather and rain to extend further over these Islands.

0 { ^a Southerly winds, light to fresh; fair to dull and some rain; moderate temperature. _b

1 { Southerly and South-Eastern winds, light to fresh; fair, then much cloud, some rain locally; moderate temperature. _a
2 { _b

3 { Southerly and South-Eastern winds, increasing in force; becoming less fine, some rain later; moderate temperature. _a
4 { _b
5 {

FORECASTS FOR THE 24 HOURS NOON Tuesday TO NOON Wednesday.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

South Coast hoisted yesterday morning at 8.35 in Districts 3 and 10.

6 { ^a Same as Nos. 1 and 2. _b

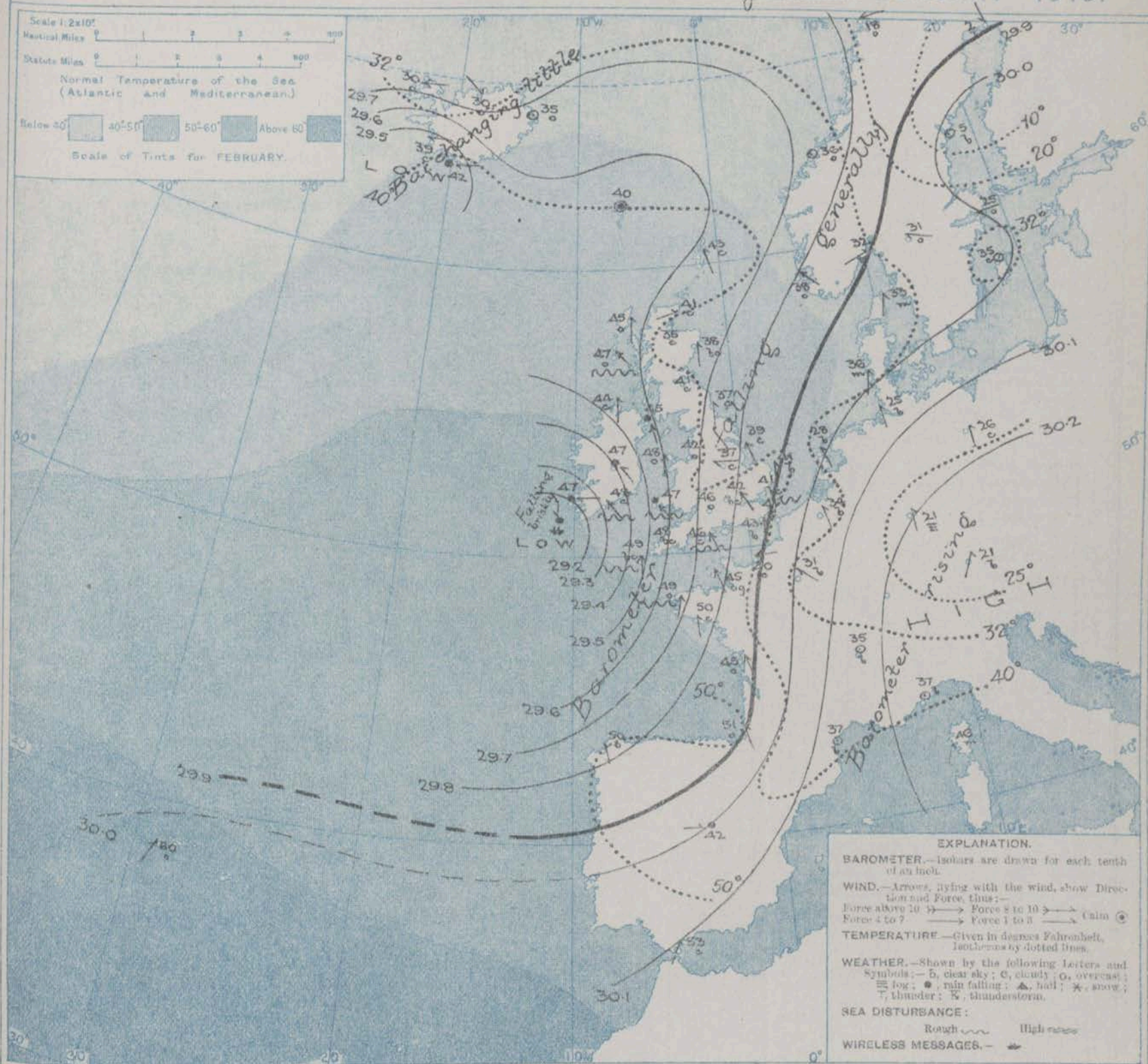
7 { ^a South-Eastern and Southerly winds, increasing greatly in force; much cloud, rain at times; moderately mild. _b
8 {

9 { ^a Wind varying between East and South, strong or high at times; dull, rainy; moderate temperature. _b
10 {

11 WESTERN CHANNEL AND BAY. Wind between South-West and South-East, moderate to strong; sea rough; some rain and mist.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. Tuesday, 25th FEBRUARY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure is above 30.2 in. in an anticyclone covering a large portion of Central Europe and Italy, and above 30.0 in. at the Azores, while on the southwest coast of Ireland it is below 29.5 in., and off the southwest of Ireland below 29.2 in.

S.^{ly} and S.E.^{ly} winds are reported over the United Kingdom and its neighbourhood, and E.^{ly} winds in Ireland. They blow freshly or strongly on exposed parts of our southwestern coasts, but are light or moderate over our area as a whole. Temperature has risen

over the United Kingdom, where it now ranges from 49° at Sully, and very little lower in the west and southwest generally, to slightly below 40° at some stations along the east coast of Great Britain, and to 35° at Oban. On the Continent the readings range from 53° at Gibraltar, and 51° at Biarritz to 31° at Paris, 21° at Malmö and Frankfurt, and to below 10° in the north of Sweden. Rain is falling in some parts of Ireland and Wales, and there is much cloud in the west of our Islands generally. In the southeast and east, however, and also over a large area on the Continent, the weather is fair or fine.

DAILY WEATHER REPORT.

Wednesday, 25th February 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
25th Jan. 7am	51	10	Montcalm	H	29.24	-0.07	N	1-2	r	24th Jan. 7am	49	27	Empress of Ireland	O	29.91	-1.6	SSW	(0-12)	o
24th Jan. 6pm	48	24	Montcalm	H	29.20	+0.22	NW	5-9	c	"	48	26	Campania	H	29.12	-0.2	SSE	4-5	c
"	49	24	Montcalm	O	29.34	+0.17	NW	4-5	bc	"	49	25	Campania	O	29.98	-0.4	SSW	4-5	bc
"	52	23	Scandinavian	O	29.34	+0.08	WNW	1-3	bc	"	53	14	Scandinavian	O	29.20	-0.4	SW	4-5	bc
"	49	16	Scandinavian	O	29.15	-0.1	SSE	6-7	c	"	50	17	Scandinavian	O	29.25	-0.1	SW	6-7	bc
"	55	15	Campania	O	29.28	+0.6	SSW	4-5	b	"	50	17	Montcalm	H	29.17	+0.4	SW	1-3	b
"	51	14	Montcalm	H	29.30	+0.3	SSE	4-5	bc	"	49	16	Montcalm	H	29.26	+0.1	SW	4-5	c
"	49	13	Montcalm	H	29.25	+0.9	SE	6-7	bc	"	49	15	Montcalm	O	29.24	0.0	SW	6-7	c
"	53	11	California	H	29.32	+0.9	SE	4-5	o	"	54	15	California	H	29.05	+0.1	SE	6-7	c
" 1pm	49	14	Campania	O	29.38	-0.5	SW	6-7	b	"	48	22	Montcalm	O	29.08	?	SW	4-5	c
" 6pm	49	21	Campania	H	29.45	+0.4	ENE	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	—	45	32	c, g	bc	1.3	England, S.E.	Margate	—	50	34	b	b	7.0
	Stonehaven	—	—	—	—	—	—		Ramsgate	—	47	35	b, bc	b	8.0
	St. Andrews	—	44	30	o	b	3.4		Deal	—	50	35	b, bc	b	8.6
	Carnoustie	—	—	—	—	—	—		Folkestone	—	47	36	b, bc	b, bc	7.8
England, N.E.	Harrogate	—	41	27	c, bc	b, bc, c	1.8	England, S.E.	Littlestone	—	—	—	—	—	8.7
	Scarborough	—	44	33	bc	bc	1.2		Hastings	—	48	38	b	b	7.0
	Blackpool	—	45	35	c	c	3.9		Bexhill-on-Sea	—	46	40	b, bc	b	5.3
	Southport	—	44	34	bc, o, c	o, bc, c	2.9		Eastbourne	—	46	39	bc	b	8.8
England, N.W.	Buxton	—	40	29	bc	bc	2.1	England, S.W.	Seaford	—	50	38	b	b	2.9
	Matlock	—	—	—	—	—	—		Brighton	—	43	20	c, bc	b, c	6.3
	Douglas	—	—	—	—	—	—		Worthing	—	49	40	bc	b, bc	4.7
	Rhyl	—	47	35	bc	bc	2.2		Littlehampton	—	—	—	—	—	—
Wales.	Colwyn Bay	—	51	37	bc	bc	1.8	England, S.W.	Bognor	—	46	38	o, bc	bc, b	5.0
	Llandudno	—	54	37	bc	b	0.8		Southsea	—	51	41	c, bc	bc, c	3.5
	Bettws-y-Coed	—	50	32	b, bc, c	c, o	4.0		Bournemouth	—	49	42	bc	bc	4.1
	Aberystwyth	—	51	38	c	o	0.0		Weymouth	—	47	43	b, bc, c	op	0.0
England, E.	Lowestoft	—	45	36	bc	bc	3.9	England, S.W.	Teignmouth	—	48	43	bc	c, o	0.0
	Felixstowe	—	43	38	bc	bc	8.9		Torquay	—	48	43	bc	bc, od	0.0
	Walton-on-Naze	—	50	37	b	b	7.1		Paignton	—	48	41	c	c, o, bc	0.0
	Southend-on-Sea	—	48	33	b	b	8.2		Ilfracombe	—	48	40	c	bc, c	0.0
									Weston-super-Mare	—	48	36	bc	bc, c	0.0

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain- fall.	WEATHER.			Sun- shine for Yester- day.	STATIONS.	RAIN- FALL.	TEMPERATURE.		WEATHER.			Sun- shine for Yester- day.		
	3 p.m. Yester- day.	9 a.m. To-day.	In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.				Max.	Min.	Night Min. on Grass.	Night.	Fore- noon.		After- noon.	
			Max.	Min.																
			%	%	24 HOURS ENDED 9 A.M. TO-DAY.	In.						Hr.								In.
Greenwich (Royal Obs.) ...	60	69	44	36	22	-	bc	bc	bc	2.9	Dublin to 4 p.m.	0.01	47	42	?	od	bc	op	0.1	
City (Rushhill Row) ...	*	*	*	*	*	*	*	*	*	0.2	Plymouth to 9 p.m.	0.03	51	39	32	bc, c	bc	bc	1.7	
Westminster (St. James's Pk.)	53	72	49	40	28	-	bc	bc	bc	1.3	Darwen	-	43	33	29	og	bc	og	1.7	
Camden Sq. (Brit. Rainfall)	57	69	49	37	30	-	o	bc	b	1.4	Manchester "	Trace	47	34	21	bc	bc	c	0.8	
Hampstead (Reservoir) ...	*	71	47	37	30	-	o, c	bc	c	0.3	Birmingham "	-	46	31	23	b	c	c	0.8	
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.									Oxford to 8 p.m.	-	49	33	23	bc, m	cm	cm	
			Total.			Average Rate.			Max. Rate.											
S. Kensington (Roof of M.O.)	60	71	706 Joules.			18.6 Milliunits.			35.5 Milliunits.			1.0	S. Kensington (Museum Grounds to 6 p.m.)	-	49	34	20	bc	om	c

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

STATION.	Sunrise.	Noon.	Sunset.
25th Feb. 1913.	G.M.T.	G.M.T.	G.M.T.
Yarmouth	6.51	12.6	5.21
	6.49	12.6	5.23
Greenwich	6.56	12.13	5.30
	6.54	12.13	5.32
Wick	7.21	12.25	5.29
	7.18	12.25	5.32
Valencia	7.34	12.54	6.10
	7.37	12.54	6.12

NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature rose to about 50° in many parts of these islands but only to 40° at Buxton, and 41° at Harrogate. Rain has been experienced in Ireland, Wales and the extreme south-west of England, the measurement being about 0.55 in at Valencia and Roche's Point. Bright sunshine was again very prevalent over the east and south of England, the highest record being 8.9 hours at Dover. According to wireless reports fresh to strong winds between South-East and South-West were experienced as far west as the 19th meridian.

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

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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

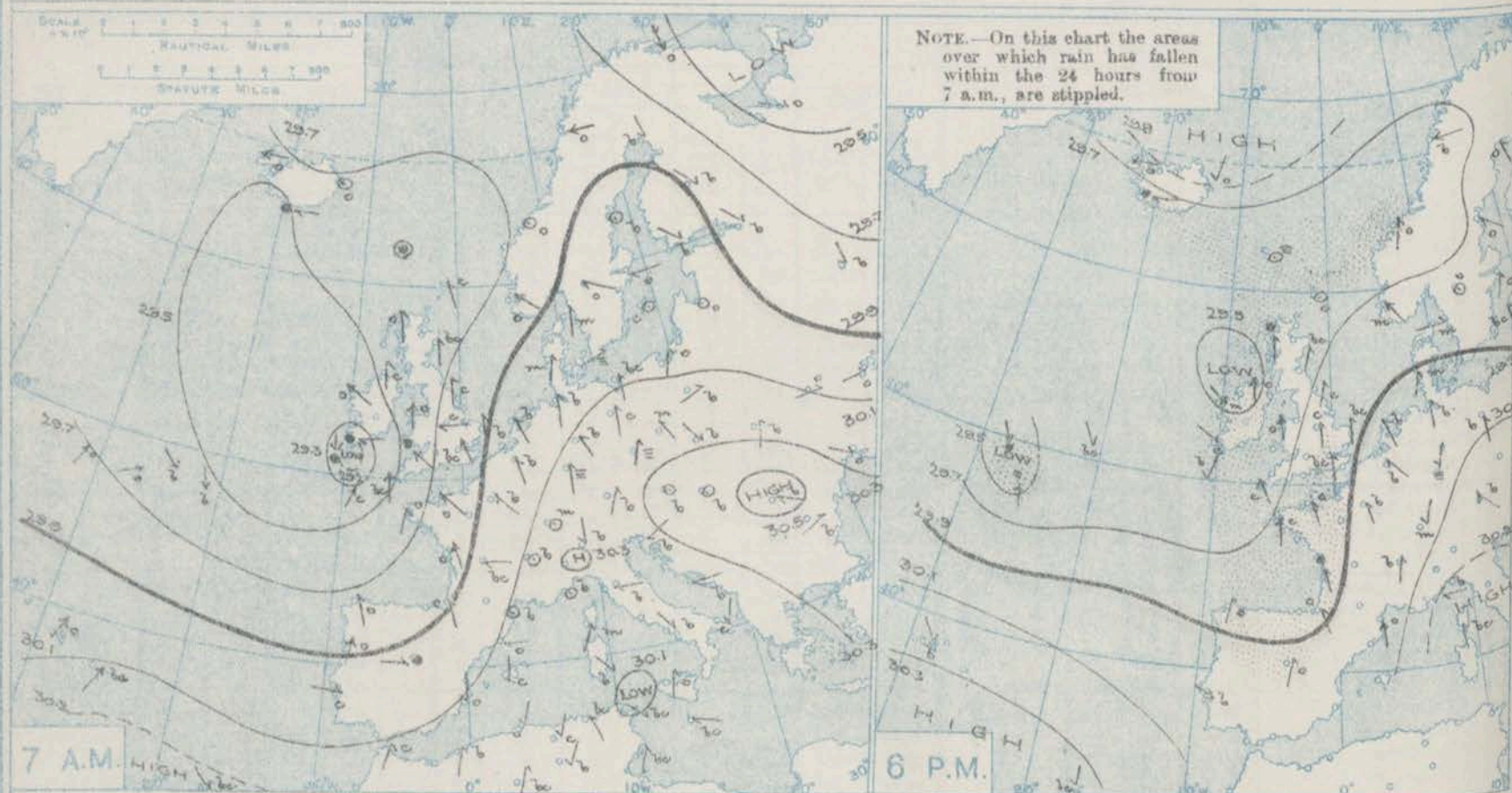
Wednesday,
26th February, 1913.

STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shine for Yester- day.																					
	BAROM.		TEMP.		WIND.	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.																									
	At 32° Fahr. and M.S.L. Lat. 46°.	Dry Bulb.	Dirac.	Force (0 to 12).			At 32° Fahr. and M.S.L. Lat. 46°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						Dirac.	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night 6 p.m. to 7 a.m.																						
																				In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	Hours					
																				29.62	43	-	0	c	29.58	0.00	39	-4	-	0	f	0	Trace	46	38	om	cm	f	*	*			
																				29.58	45	S	1	op	29.49	+0.01	45	0	S	6	f	5	0.25	49	44	c.c.	c.op	odp	0.8	0.8			
																				29.48	47	SE	4	om	29.45	0.00	46	-1	SW	4	r	5	0.19	48	44	at	f.om	om.f	0.0	0.0			
																				29.44	48	S	5	om	29.58	+0.01	44	0	SW	4	c	3	0.05	50	42	cq	om	dp	*	*			
																				29.46	46	NW	4	m	29.62	+0.01	38	-3	NW	1	bc	2	0.42	47	37	om	omp	omp	*	*			
																				29.57	47	WNW	2	cv	29.64	0.00	35	-12	ENE	2	bc	4	0.05	50	34	cq	cv	bc	0.4	0.4			
																				29.56	47	SW	3	c	29.66		42	-6	NNW	1	o	4	0.04	50	40	c.be	bc.c.	b.op	*	*			
																				29.52	48	S	2	bc	29.63		38	-9	SSW	1	f	*	0.05	55	37	at.c.	bc	b.c.f	4.9	4.9			
																				29.57	47	SSE	4	bc	29.63	+0.01	41	-4	S	2	c	2	0.09	49	41	om.be	at.c.	bc	*	*			
																				29.72	48	SE	3	bc	29.71	-0.01	42	-0	SE	2	o	2	-	51	41	bc	cm	o	3.0	3.0			
																				29.65	50	S	4	o	29.66	0.00	46	-2	S	4	m	3	0.01	50	45	bc	om	om	*	*			
																				29.66	48	S	4	c	29.67	-0.01	46	-1	SSW	3	cq	3	Trace	50	45	agmt	bc	egm	1.7	1.7			
																				29.67	50	SE	5	c	29.64	0.00	46	-2	SE	2	o	2	-	53	44	b.be	c	bc	1.1	1.1			
																				29.62	49	SSE	4	cm	29.65	0.00	47	-2	S	2	bc	4	0.12	53	45	bc	cm	cp	5.7	5.7			
																				29.82	47	SSE	3	og	29.77		44	-1	SE	4	o	3	Trace	49	44	op.c.o	cg	c.be	0.8	0.8			
																				29.77	47	SSE	5	bc	29.75	-0.01	46	0	SE	4	r	4	0.02	49	44	c	bc	c.or	*	*			
																				29.87	47	SW	2	c	29.81	-0.02	44	+1	S	3	cu	3	-	48	41	bc	cp.c.	c	*	*			
																				29.91	47	SSW	3	o	29.87		41	0	S	2	b	2	-	48	40	b	b.be	o.c.be	6.3	6.3			
																				29.61	45	SW	2	c	29.53	-0.03	43	+2	SW	3	bc	4	0.03	47	41	cm	bc	cm	*	*			
																				29.62	47	-	0	c	29.53		46	+11	S	1	o	1	-	50	34	ge.o.	g.c.	bc	0.0	0.0			
																				29.65	44	SSW	1	bc	29.61	-0.02	44	+6	S	3	bc	2	-	50	37	bc	bc	bc	1.7	1.7			
																				29.66	45	NE	1	m	29.63	-0.01	48	+7	S	2	p	*	Trace	49	41	f.c.	c.be	g.be	*	*			
																				29.73	45	SSW	2	c	29.70	-0.01	39	+2	SSW	1	c	2	-	49	35	c	c	c	0.9	0.9			
																				29.79	44	S	4	c	29.77	0.00	41	+2	S	2	m	2	-	47	37	om	o.c.	bc	2.5	2.5			
																				29.87	44	S	3	bc	29.82	-0.02	40	-1	S	2	bc	2	-	47	39	b	b.be	o.be	7.2	7.2			
																				29.87	43	S	3	c	29.82	-0.02	41	0	SE	2	bc	2	-	45	40	bc	bc	c.be	4.9	4.9			
																				29.82	46	S	2	c	29.77		42	+5	SW	1	om	*	0.02	50	37	c.o.	o.c.	c.b	1.1	1.1			
																				29.79	49	SSE	2	bc	29.77		45	-1	SE	1	r	*	0.02	54	45	r.be	bc	-	1.6	1.6			
																				29.85	44	S	3	bc	29.81	0.00	43	+1	SSE	2	om	*	0.01	48	39	banco	o.c.be	bc	1.2	1.2			
																				29.79	29	E	7	o	29.88	+0.04	29	-1	E	7	o	*	*	*	*	GALES. Duration and Extreme Force on British Coasts.							
																				29.55	41	E	7	r	29.67	0.00	36	-3	-	0	r	*	*	*	*								
																				29.56	40	ESE	7	o	29.73	+0.03	36	-6	E	9	c	3	*	*	*								
																				29.80	33	NE	3	o	29.92	+0.03	28	-7	NE	2	c	*	*	*	*								
																				29.57	41	-	0	f	29.61	+0.02	41	+1	NE	7	r	*	*	*	*								
																				29.82	-11	S	2	o	29.55	-0.09	10	+8	SE	2	o	*	-	10	-11								
																				29.72	26	SE	2	o	29.48	-0.07	30	+25	S	2	s	*	-	30	5								
																				29.77	32	SW	2	o	29.60	-0.02	34	+9	WSW	2	o	*	-	34	25								
																				29.87	29	S	2	bc	29.73	-0.04	39	+4	SW	2	c	*	-	39	32								
																				29.81	32	-	0	o	29.66	-0.02	36	+5	SW	2	f	*	-	36	30								
																				29.80	35	SSW	4	f	29.65	-0.02	36	+4	WSW	5	m	3	-	36	32								
																				29.63	20	E	4	b	29.32	-1.1	23	+5	ENE	4	bc	2	-	25	16								
																				29.65	40	SW	3	o	29.54	-0.03	41	+5	SW	5	r	4	0.20	41	36								
																				29.78	39	SSE	4	m	29.67	-0.02	39	+1	SSE	6	m	4	-	39	36								
																				29.85	39	W	3	m	29.76	-0.02	35	+2	WSW	4	m	1	-	39	32								
																				29.93	38	SW	2	m	29.85	-0.02	36	0	SW	2	m	1	-	39	34								
																				29.99	35	S	2	b	29.92	-0.04	28	+3	SSW	3	m	*	-	46	25								
																				29.97	41	SE	2	b	29.93	-0.01	37	-2	SSE	1	b	*	-	56	30								
																				30.09	37	S	1	b	30.03	-0.02	36	0	S	2	b	*	-	48	25								
																				30.09	33	NE	1	f	30.09	0.00	28	+2	SE	3	f	*	-	48	21								
																				30.13	31	SE	2	b	30.12	0.00	26	+5	SW	3	b	*	-	45	21								
																				29.90	46	S	4	c	29.84	-0.02	39	+1	SSE	3	bc	2	-	50	37								
																				29.86	38	SSE	4	o	29.84		36	-4	E	3	m	3	0.04	48	34								
																				29.73	50	S	4	c	29.69	-0.02	46	-3	ESE	3	o	6	0.20	54	45								
																				29.88	46	SSE	3	r	29.76		46	+1	SSW	4	r	*	0.20	48	44								
																				29.85	53	SSE	3	o	29.91		49	-2	S	2	bc	6	0.16	54	46								
																				29.94	46	SE	2	b	29.92	-0.01	38	+7	SE	2	o	*	-	57	31								
																				30.07	42	ENE	3	m	30.12		28	+1	-	0	m	*	-	50	26								
																				30.07	45	SSW	3	b	30.08		39	+4	-	0	r	*	-	52	35								
																				30.21	39	E	1	b	30.18	-0.01	39	+2	E	1	c	3	?	50	36								
																				29.98	50	S	4	o	29.98	+0.02	44	+7	W	1	o	*	-	58	37								
																				30.24	49	S	3	bc	30.17		50	+4	ESE	2	c	2	-	54	43								
																				29.76	54	SSW	3	o	29.88	-0.04	50	0	S	3	r	7	0.35	55	46								
																				30.13	52	WNW	4	b	30.17	+0.02	56	+2	WSW	4	o	7	0.04	59	52								

* Information for these columns not usually received.

† Received too late for insertion in Charts.

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



GENERAL INFERENCE

WEATHER PROSPECTS.

The changes in progress are slight and indefinite, but it appears probable that shallow disturbances arriving over our south-western and western

districts will maintain the weather in an unsettled condition generally.

FORECASTS FOR THE 24 HOURS NOON Wednesday TO NOON Thursday.

- 0 {
a Wind mainly Southerly, light
b or moderate; much cloud, some
rain; moderate temperature.
- 1 {

- 2 {
a Wind light or moderate
b
- 3 { between South and South-east;
much cloud, some rain and
- 4 {
a mist; 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 Coast.	South Coast.
North Coast.	North Coast.

No Warnings Issued.

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

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

- 8 {
a
b

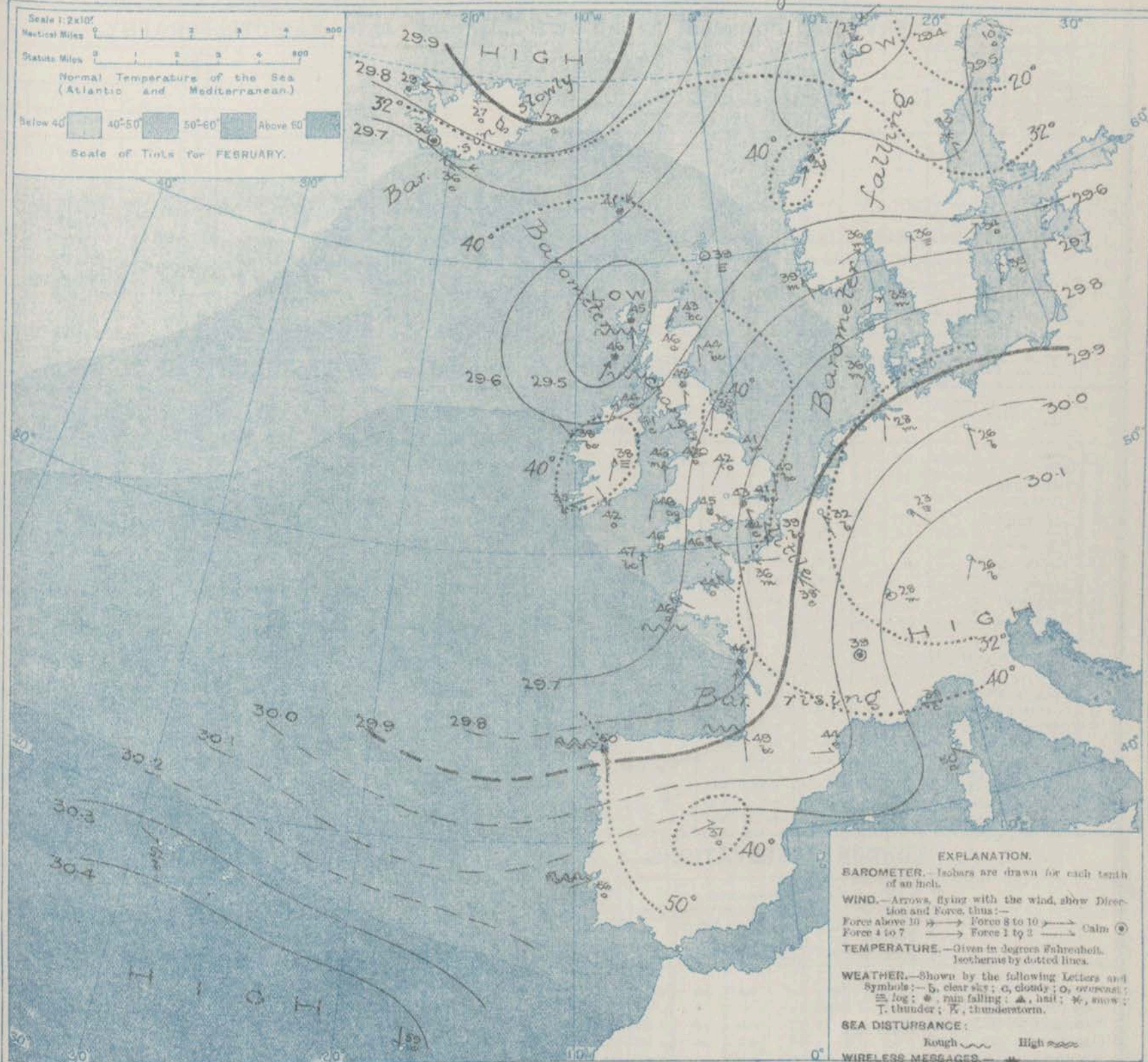
- 9 {
a Wind light or moderate, varying
b in direction; cloudy or overcast
- 10 {
a generally, some rain and mist;
b moderate temperature.

11 WESTERN CHANNEL AND BAY.

Wind mainly between South and South-east, light or moderate; some rain and mist, much cloud; sea moderate or slight.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. Wednesday, 26th FEBRUARY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Barometric pressure is above 30.3 in. at the Azores and above 30.1 in. over Italy and South Germany, while it is below 29.5 in. in a depression over the Hebrides, and also in the extreme north of Norway. The changes in progress are slight.

The wind is light or moderate in almost all parts of these Islands, mainly Southerly over Great Britain, Southerly or South-Easterly in France and variable in Ireland. Over Iceland, where the direction is easterly, it is strong to a gale. Temperature has fallen in Iceland, risen in most parts of

England and Scotland. Over the United Kingdom it ranges from 48° at Leith and 47° at Scilly to 35° at Valencia. On the Continent the values range from 49° at Biarritz to 23° at Frankfurt and to 10° at Haparanda; and in Iceland from 36° to 27°. The weather is rainy in some parts of Scotland and in southern England, and a good deal of cloud prevails in these Islands. Rain is also falling at Bonna, Rochefort, Lyons and Christiansund and snow at Haparanda. Fog is reported at Frankfurt, but over Germany as a whole the weather is bright. The sea is rather rough in the North, moderate to smooth elsewhere.

DAILY WEATHER REPORT.

Wednesday, 26th February, 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- Outward. H- Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- Outward. H- Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
25th 6 p.m.	48	26	Carpathia	H	29.47	+0.1	NW	4-5	+	25th 7 a.m.	47	27	Marquette	O	29.62	+0.8	WSW	4-5	0
" "	47	25	Laplend	O	29.43	-0.9	SSE	4-5	+	" "	48	24	Meinapoli's	O	29.58	+0.6	NW	4-5	0
" "	51	21	Royal Edward	O	29.55	+2.2	NNW	1-3	bc	" "	48	21	Laplend	O	29.56	+1.0	NNW	6-7	0
" "	51	10	Campania	H	?	+0.3	NNE	1-3	b	" "	49	9	Meinapoli's	H	29.34	+0.9	SSW	4-5	0
" 7 a.m.	47	31	Carpathia	H	29.64	-0.6	SW	4-5	0										

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

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scotland.		In.					Hr.	England, S.E.		In.					Hr.
Oban ...								Margate ...			50	39	bc	c	6.0
Stonehaven ...								Ramsgate ...			29	41	*	*	6.4
St. Andrews ...								Deal ...			51	40	b, bc	c, bc	5.1
Carnoustie ...								Folkestone ...			47	41	bc, b	c, bc	3.6
Harrogate ...			48	30	c, bc	bc, c	8.3	Littlestone ...					*	*	3.4
Scarborough ...			50	38	c, c	bc	2.5	Hastings ...			48	42	b, bc	c	1.3
Blackpool ...		0.08	52	41	to	c, c	3.0	Bexhill-on-Sea ...			46	43	bc	c	2.9
Southport ...		0.06	53	40	c, bc	bc, b, c	2.5	Eastbourne ...			47	39	b, bc	bc, c	3.8
Buxton ...			48	41	bc	bc	0.8	Seaford ...			48	42	b, bc	bc	1.0
Matlock ...								Brighton ...			47	43	c	c	0.5
Douglas ...								Worthing ...			47	44	c	c	0.0
Rhyl ...			52	37	b	bc, c	2.1	Littlehampton ...					*	*	
Colwyn Bay ...			55	43	b, bc	bc	3.8	Bognor ...							0.5
Llandudno ...			57	44	bc	b	4.0	Southsea ...			49	43	c, c	c, b	0.9
Bettws-y-Coed ...			55	42	b, bc	bc	3.3	Bournemouth ...		0.01	50	43	c, c	c, c	1.7
Aberystwyth ...			55	45	?	?	2.5	Weymouth ...			52	45	c, bc	bc	0.0
Lowestoft ...			46	39	b, bc, b	b, bc	7.5	Teignmouth ...		0.06	50	46	c	c	0.6
Felixstowe ...			46	38	bc	cm	5.7	Torquay ...		0.06	50	46	c	c	0.5
Walton-on-Naze ...			45	42	b	b, c, bc	5.3	Paignton ...		0.09	52	44	bc	c	1.0
Southend-on-Sea ...			50	39	bc, b	bc	4.6	Ilfracombe ...		0.05	54	46	bc	c	0.6
								Weston-super-Mare ...			54	40	c, bc	c, bc	

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.		HUMIDITY.		TEMPERATURE.			Rain-fall.	WEATHER.			Sun-shine for Yesterday.	STATIONS.		RAIN-FALL.	TEMPERATURE.			WEATHER.			Sun-shine for Yesterday.					
		3 p.m. Yesterday.	9 a.m. To-day.	In Screen.		Min. on Grass.		Fore-noon.	After-noon.	Night.					In Screen.	Night Min. on Grass.	Night.	Fore-noon.	After-noon.							
				Max.	Min.															Max.		Min.				
				24 HOURS ENDED 9 A.M. TO-DAY.																						
		%	%				In.				Hr.			In.							Hr.					
Greenwich (Royal Obsy.) ...		72	94	49	40	28	0.2	0.7	0.6	0.6	1.9	Dublin to 4 p.m.		0.14	53	46	45	0.9	0.2	0.4	0.4					
City (Bunhill Row) ...		*	*	*	*	*	*	*	*	*	0.0	Plymouth to 9 p.m.		0.11	52	47	45	0.9	0.2	0.4	0.4					
Westminster (St. James's Pk.)		73	91	47	43	33	0.02	bc, m	+	m	0.7	Darwen "		0.08	42	39	35	0	0.9	bc	2.3					
Camden Sq. (Brit. Rainfall)		67	91	48	42	35	0.02	bc, b	0	c, 0.0	0.0	Manchester "		0.01	54	37	32	0.9	c, bc	bc, b	2.3					
Hampstead (Reservoir) ...		*	94	46	41	34	0.02	0	0.4	0.4	0.4	Birmingham "														
Kew. (See front page.)				VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.														Oxford to 8 p.m.			47	42	34	bc, m	cm, c	0.9
				Total.		Average Rate.		Max. Rate.									S. Kensington									
																	(Museum Grounds to 6 p.m.)									
S. Kensington (Roof of M.O.)		74	93	308 Joules.		8.1 Milli-watts.		26 Milli-watts.											Trace	42	42	27	c	0	0.4	0.4

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

	Sunrise.	Noon.	Sunset.
26th 27th Feb. 1913.	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	6.49	12.6	5.23
Greenwich ...	6.47	12.6	5.25
Wick ...	6.54	12.13	5.32
Valencia ...	6.53	12.13	5.33
	7.19	12.25	5.32
	7.16	12.25	5.34
	7.37	12.54	6.12
	7.38	12.54	6.13

NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature rose to above 50° in many parts of England and Ireland, and to 55° or higher in some parts of Wales. Slight rain has fallen over a large portion of the Kingdom, and as much as 0.4 in. at Blackhead Point. Bright sunshine was again very prevalent on the south-east and east coasts of England, and several fairs were also recorded in some parts of Wales and Ireland. According to wireless reports a moderate to strong breeze, mainly from the North-Westward, was experienced as far west as the 27th meridian.

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

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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

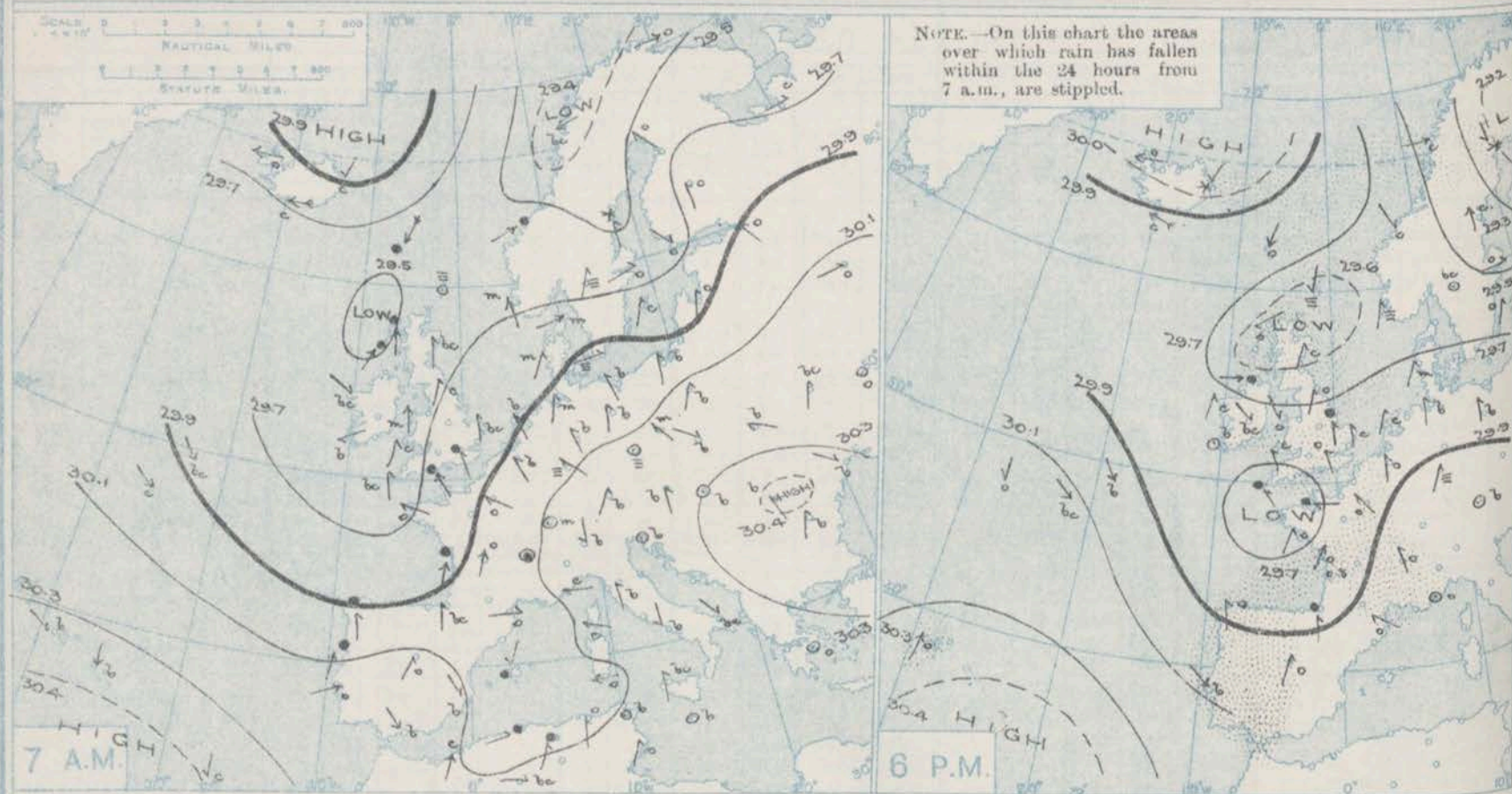
Thursday
27th February, 1913.

STATIONS.	YESTERDAY EVENING.						THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun- shine for Yester- day.	
	BAROM.		TEMP.		WIND.		BAROMETER.		TEMP.		WIND.		Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.								
	At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Dir.	Force (0 to 12).	Weather.	At 32° Fahr. and M.S.L. Lat. 45°.	Change since 7 a.m.	Dry Bulb.	Change since Yester- day.	Dir.	Force (0 to 12).	Weather.			Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern. 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.						
BRITISH ISLANDS.																									
Lerwick ...	In.					In.	in.								In.										Hours
Stornoway ...	29.56	43	NNE	3	f	29.79	+0.5	39	0	NNW	5	c	5	0.02	43	36	f	f	od.c						
Castlebay (Barra Isd.) ...	29.56	44	ENE	3	o	29.87	+0.8	42	-3	NNE	4	c	4	0.07	48	42	od.c	o	od.c						
Malin Head ...	29.56	47	W	4	o	29.85	+0.8	45	-1	N	3	bc	3	0.06	48	43	o	od.c	od.c						
Blacksod Point ...	29.66	44	W	5	r	29.80	+0.8	45	+1	NNW	3	bc	3	0.04	48	42	bc	om	gmp						
Valencia ...	29.71	46	SW	3	e	29.88	+0.4	44	+6	WSW	1	bc	2	-	50	36	bc	em	em						
Roche's Point ...	29.74	47	-	0	bv	29.92	+0.9	32	-3	NNE	1	bc	4	0.01	50	32	bc	br	br						
Birr Castle ...	29.74	47	NNW	2	o	29.91		39	-3	N	1	b	2	0.01	49	38	om	c.o.	c.o.						
Donaghadee ...	29.72	44	NW	1	bc	29.87		31	-7	NW	1	f		-	49	30	fc	bc	fc						
Liverpool Obsy. ...	29.67	47	SW	2	bc	29.76	+0.4	45	+4	NW	2	c	2	trace	50	40	bc	bc	bc						
Holyhead ...	29.71	44	W	1	o	29.74	0	42	0	W	4	c	3	-	51	39	bc	c.o.	c.o.						
Pembroke (St. Ann's Hd.) ...	29.72	45	NNW	2	o	29.77	+0.1	41	+2	NNW	6	c	5	0.11	50	41	omp	omp	bc						
Newquay ...	29.72	45	SSE	2	c	29.83	+0.5	41	-5	N	2	b	2	trace	49	41	eg	em	c						
Scilly (St. Mary's) ...	29.68	46	SE	1	c	29.84	+0.5	37	-9	-	0	cfw	2	-	47	34	c	c	bc						
Jersey (St. Aubin) ...	29.67	47	SE	1	cp	29.84	+0.3	46	-1	NNW	3	c	3	0.02	53	43	bc	cp	c						
Portland Bill ...	29.65	49	E	3	ogpm	29.79		45	+1	NNW	3	cm	3	0.02	50	43	eg.c	ogpm	ogpm						
Dungeness ...	29.69	45	ENE	2	c	29.77	+0.4	45	-1	NW	2	c	2	0.04	48	43	f.c.	c	c						
Dover ...	29.72	45	SSE	3	c	29.69	+0.1	42	-2	NNE	2	c	2	0.02	46	41	c	c	cp.c						
Wick ...	29.76	45	SSE	3	c	29.73		42	+1	NW	2	c	3	0.08	46	40	bc	c	cp.c						
Nairn ...	29.51	43	SW	1	c	29.77	+0.11	41	-2	NE	4	o	3	0.02	47	38	bc	em	omp						
Aberdeen ...	29.52	45	-	0	c	29.77		42	-4	NNW	3	o	2	0.08	49	41	p.bc	p.bc	qpc						
Leith ...	29.56	47	SSW	2	c	29.70	+0.9	44	0	N	3	o	3	0.04	52	42	cy	c.o.	c.o.						
North Shields ...	29.60	47	SW	3	c	29.73	+0.8	45	-3	NNW	1	c		0.03	51	43	of.c	c	c						
Spurn Head ...	29.65	47	SW	3	og	29.64	+0.2	44	+5	WSW	3	o	2	-	51	38	c	o	od.c						
Yarmouth ...	29.71	43	S	2	T	29.68	0	41	0	W	4	cm	3	0.14	46	39	om	om	om						
Clacton-on-Sea ...	29.76	42	S	2	c	29.71	-0.1	40	0	W	2	f	1	0.04	48	39	bc	bc	b.c.						
Nottingham ...	29.74	43	S	2	o	29.72	0	38	-3	W	1	o	0	-	48	37	bc	c.o.	om						
Bath ...	29.72	45	SSW	1	f	29.73		39	-3	W	3	om		0.14	46	36	om	r.d.m.	d.m.						
London (Kew Obsy.) ...	29.72	46	E	1	o	29.81		43	-2	-	0	o		0.06	49	37	-	-	-						
Isafjord ...	29.73	47	SSE	2	o	29.76	+0.3	41	-2	W	1	om		trace	51	40	om	o	om						
Reykjavik ...	30.02	30	E	6	o	30.15	+0.1	29	0	E	7	c		-	-	-	-	-	-						
Vestmanna ...	29.91	39	E	1	c	29.99	0	36	0	E	4	c		-	-	-	-	-	-						
Seydisfjord ...	29.89	36	ESE	8	c	30.08	+0.2	37	+1	E	5	o	2	-	-	-	-	-	-						
Thorshavn ...	30.01	29	NE	2	s	30.19	+0.4	25	-3	NE	3	s		-	-	-	-	-	-						
Haparanda ...	29.76	38	NE	5	o	29.99	+0.6	34	-7	NNE	2	c		-	-	-	-	-	-						
Hernösand ...	29.20	10	N	2	S	29.40	+0.4	-2	-12	NNW	2	bc		0.12	14	-4	-	-	-						
Stockholm ...	29.39	36	S	4	c	29.56	0	19	-11	S	2	c		-	39	18	-	-	-						
Wisby ...	29.50	38	W	2	o	29.60	+0.2	31	-3	ENE	2	o		trace	41	30	-	-	-						
Karlstad ...	29.60	41	SW	2	o	29.56	-0.1	37	-2	ENE	2	o		-	46	36	-	-	-						
Färder (X'ania Fjord) ...	29.55	35	-	0	bc	29.59	0	33	-3	-	0	o		-	41	30	-	-	-						
Bodö ...	29.55	36	WSW	3	m	29.55	0	34	-2	NNE	4	o	2	-	39	32	-	-	-						
Christiansund ...	29.47	28	W	5	c	29.40	-0.4	25	+2	W	6	o	3	?	25	19	-	-	-						
Skudesnaes ...	29.67	37	NNW	1	o	29.68	+0.1	33	-8	-	0	o	3	0.24	41	30	-	-	-						
The Scaw (Skagen) ...	29.62	39	SSW	2	f	29.56	-0.1	39	0	-	0	o	2	-	39	37	-	-	-						
Blaavands Huk ...	29.63	40	W	6	m	29.54	-0.1	39	+4	W	2	o	0	-	45	34	-	-	-						
Cuxhaven ...	29.75	38	SW	1	m	29.63	-0.2	38	+2	SW	1	o	1	0.04	41	36	-	-	-						
The Helder ...	29.79	36	S	1	b	29.69	-0.2	36	+8	S	2	o		-	46	28	-	-	-						
Brussels ...	29.78	41	S	3	c	29.70	-0.1	38	+10	S	1	o	1	-	45	28	-	-	-						
Berlin ...	29.80	42	SSE	2	o	29.73	-0.1	41	+9	SSW	1	o		0.08	51	31	-	-	-						
Frankfurt ...	29.86	37	S	1	b	29.77	-0.2	28	+2	S	1	bc		-	48	26	-	-	-						
Munich ...	29.93	33	SW	1	f	29.80	-0.1	32	+9	-	0	o		-	54	23	-	-	-						
C. Gris Nez ...	30.00	33	-	0	b	29.95	-0.3	25	-1	S	1	bc		-	45	23	-	-	-						
La Hève ...	29.76	46	SSE	4	c	29.71	+0.1	43	+4	NE	1	o	2	trace	48	39	-	-	-						
Brest (St. Mathieu) ...	29.75	46	SE	3	o	29.73		43	+7	NNE	1	o	1	-	50	36	-	-	-						
Lorient (Bec Melen) ...	29.66	50	NNW	2	bc	29.85	+0.1	46	0	ENE	3	o	6	-	54	45	-	-	-						
Rochefort (Ile d'Aix) ...	29.65	48	SW	2	o	29.73		45	+1	N	3	bc></													

* Information for these columns not usually received.

† Received too late for insertion in Charts.

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



GENERAL INFERENCE

WEATHER PROSPECTS.

The increase of pressure over the United Kingdom will continue for a time and extend

eastward, while the general character of the weather will be fair.

FORECASTS FOR THE 24 HOURS NOON Thursday

TO NOON Friday.

0 {
a
b
1 { Northerly winds, light or moderate; mostly fair; temperature falling.

2 {
a
b
3 { Wind becoming North-
Westerly or Northerly, light or moderate; fair generally, much cloud and some mist at times;
4 {
a
b
5 { temperature falling somewhat.

FORECAST DISTRICTS.



STORM WARNINGS.

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

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

No Warnings Issued.

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

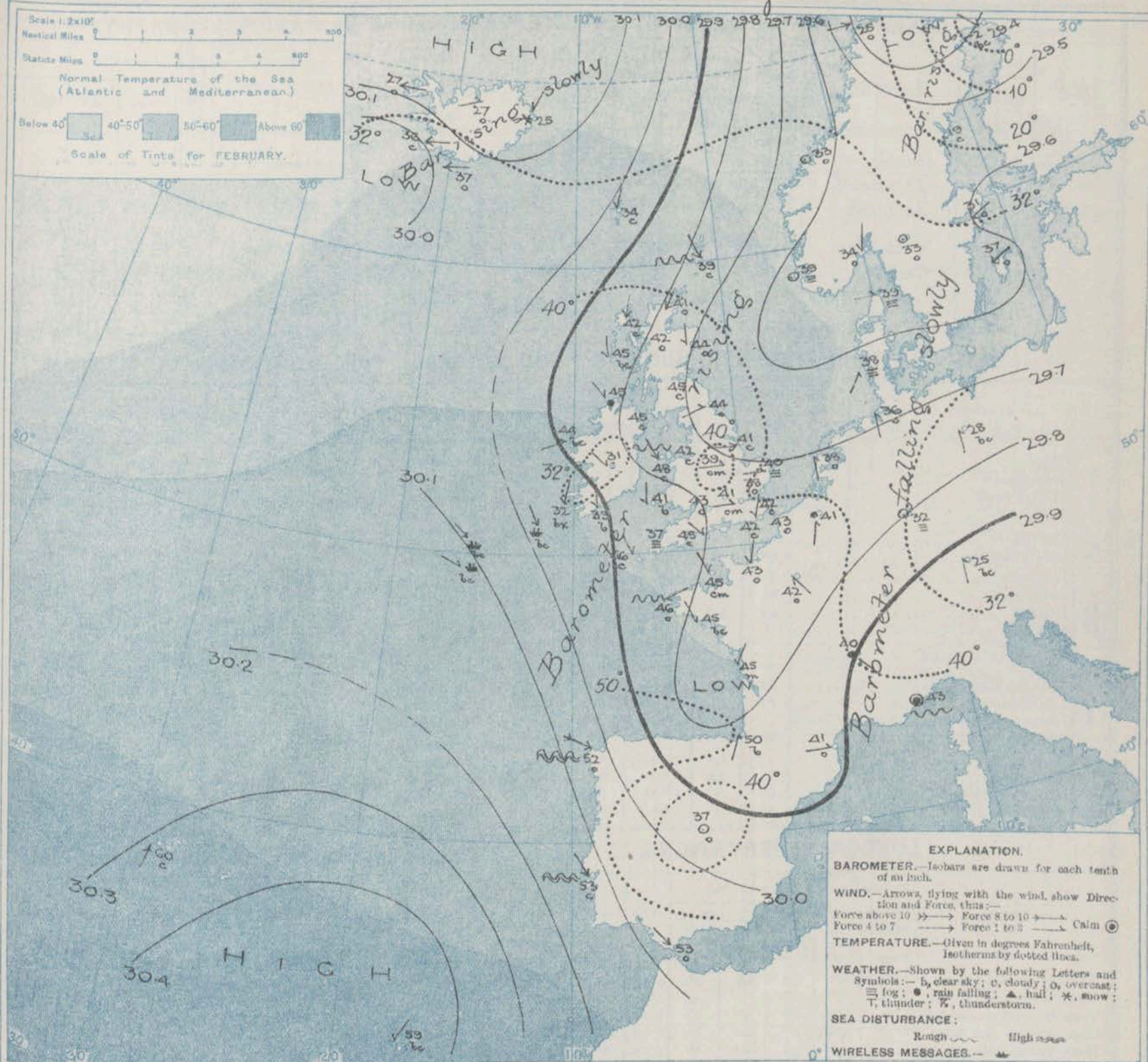
8 {
a
b
9 { Wind between North and North-West, light or moderate; mostly fair, some mist and showers; moderate or rather low temperature.
10 {
a
b

11 WESTERN CHANNEL AND BAY.

North-easterly and North-westerly winds, light or moderate; sea light; some mist; otherwise fair.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. Thursday, 27th FEBRUARY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure is above 30.3 in. at the Azores and above 30.1 in. over the greater part of Iceland, while in the north of Scandinavia it is below 29.4 in., and relatively low thence to the southern portion of the Bay of Biscay.

The wind is Westerly, of little force, over the greater part of England, but is mainly Northerly in Scotland, Ireland and Wales. A strong breeze is reported at Holyhead. Over the continental portion of our area the wind is light and rather variable, but at Bordeaux there is a gale from West-North-West.

Temperature has changed rather irregularly. Over the United Kingdom it ranges from 48° at Holyhead to 38° at Glaston-on-Sea, 32° at Valencia and 31° at Birr Castle. The continental values vary from 53° at Gibraltar to 25° at Munich and to 2° below zero at Haparanda. The weather is cloudy or overcast at most stations, both in these Islands and on the continent, with mist or fog in some localities, showers at Malin Head and rain at Brussels, Nice and Lyons. In the southern parts of Ireland and Wales the sky is nearly clear.

12.25.

DAILY WEATHER REPORT.

Thursday, 27th February 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	15	<i>Arabie</i>	O	?	?	NW	4-5	bc	27th 7am	49	15	<i>Zeeland</i>	H	30.15	+0.01	WNW	1-3	bc
" "	51	11	<i>Monmouth</i>	O	29.90	+0.06	NNW	4-5	bc	" "	"	"	<i>Zeeland</i>	H	29.98	+0.05	WNW	4-5	c
26th 6pm	48	20	<i>Zeeland</i>	H	30.11	+0.03	NW	4-5	bc	26th 7am	47	24	<i>Zeeland</i>	H	29.98	+0.05	WNW	4-5	c
" "	49	18	<i>Carpathia</i>	H	29.98	+0.02	NW	6-7	b	" "	49	22	<i>Carpathia</i>	H	29.83	+0.09	NW	6-7	bc
" "	48	25	<i>Baltic</i>	H	30.06	+0.04	N	1-3	b										

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

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine (to 6 p.m.)	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine (to 6 p.m.)
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scotland. (Oban ...)	In.					Hr.	Margate ...	In.	50	39	bc	c, o	2.7
Stonehaven ...							Ramsgate ...		49	39	b	c, o	1.6
St. Andrews ...		50	37	o	b	2.1	Deal ...		49	39	b, bc	c, o	3.0
Carnoustie ...							Folkestone ...		48	41	c, bc	bc, bc	1.3
England, N.E. (Harrogate ...)		52	34	m, bc	b, bc	0.7	Littlestone ...						0.3
Scarborough ...		50	39	o, c	o, c	0.0	Hastings ...		47	43	b, bc, o	o	0.3
Blackpool ...	0.01	51	43	o, c	od	0.5	Bexhill-on-Sea ...		47	44	o, c, o	o, c, o	0.8
Southport ...		51	42	o, bc	c, bc, o	1.1	Eastbourne ...		47	42	o, o, bc	b, bc	1.0
Buxton ...		48	40	bc	bc	0.2	Seaford ...	0.01	48	42	o	bc, o	1.4
Matlock ...							Brighton ...	0.02	47	44	c, o	o, c, o	0.2
Douglas ...							Worthing ...	0.02	47	43	c, o	o	0.3
Wales. (Rhyl ...)		51	47	b	bc, o	0.7	Littlehampton ...						
Colwyn Bay ...		53	47	bc, b	bc	2.5	Bognor ...						0.0
Llandudno ...		52	46	bc	c, o	2.6	Southsea ...		47	42	om, c	c, o, c	0.0
Bettws-y-Coed ...							Bournemouth ...	0.15	46	44	r, o	o, m	2.3
Aberystwyth ...		50	46	o, c	o, o	0.2	Weymouth ...	0.16	48	44	o, c	bc, o	1.6
England, E. (Lowestoft ...)		47	40	c, bc	c	6.0	Teignmouth ...		50	45	c, bc	bc, c	1.7
Felixstowe ...		47	39	bc, m	cm	6.1	Torquay ...		51	46	o, bc	c, o	
Walton-on-Naze ...		47	42	b, bc	bc, c	4.1	Paignton ...		53	46	bc	bc, c	5.1
Southend-on-Sea ...		54	42	bc, b	bc	4.6	Ilfracombe ...					b, bc	1.0
							Weston-super-Mare ...	0.02	51	44	r, bc	b, bc	

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain-fall.	WEATHER.			Sun-shine for Yesterday.	STATIONS.	RAIN-FALL.	TEMPERATURE.		WEATHER.			Sun-shine for Yesterday.	
	3 p.m. Yesterday.	9 a.m. To-day.	In Screen.		Min. on Grass.		Fore-noon.	After-noon.	Night.				In Screen.	Night Min. on Grass.	Night.	Fore-noon.	After-noon.		
			Max.	Min.		Max.						Min.							Max.	Min.
	24 HOURS ENDED 9 A.M. TO-DAY.																		
Greenwich (Royal Obs.) ...	% 68	% 90	53	38	30	0.06	bm	op	op	Hr. 1.7	Dublin to 4 p.m.	In. 0.04	49	42	39	b,op	bc	c,0	
City (Bunhill Row) ...	"	"	"	"	"	"	"	"	"	0.0	Plymouth to 9 p.m.	"	52	45	39	bc,y	oy	bc,y	
Westminster (St. James's Pk.) ...	71	93	50	42	37	0.01	bc	bc	m	0.3	Darwen "	"	48	40	36	om	om	m	
Camden Sq. (Brit. Rainfall)	70	92	51	40	35	0.03	c,c	c	c,op	0.3	Manchester "								
Hampstead (Reservoir) ...	"	94	48	41	35	0.02	om	om	od.	0.3	Birmingham "								
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.									Oxford to 8 p.m.	-	48	42	34	cm,m	om	o
			Total.		Average Rate.		Max. Rate.												
S. Kensington (Roof of M.O.)	64	95	32.5 Joules.		6.7 Milliwatts.		30 Milliwatts.		0.1	S. Kensington (Museum Grounds to 6 p.m.)	0.01	50	44	35	o	o	o		

NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature rose to 50° or rather higher in various parts of these Islands. Slight rain fell in almost all localities, and over the Kingdom generally there was little bright sunshine. At some of our eastern and south-eastern stations, however, the day was again bright, and there was much sunshine locally on the north coast of Devon, while on the south-west coast of Ireland the record exceeded 8½ hours.

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.
28th February, 1913.

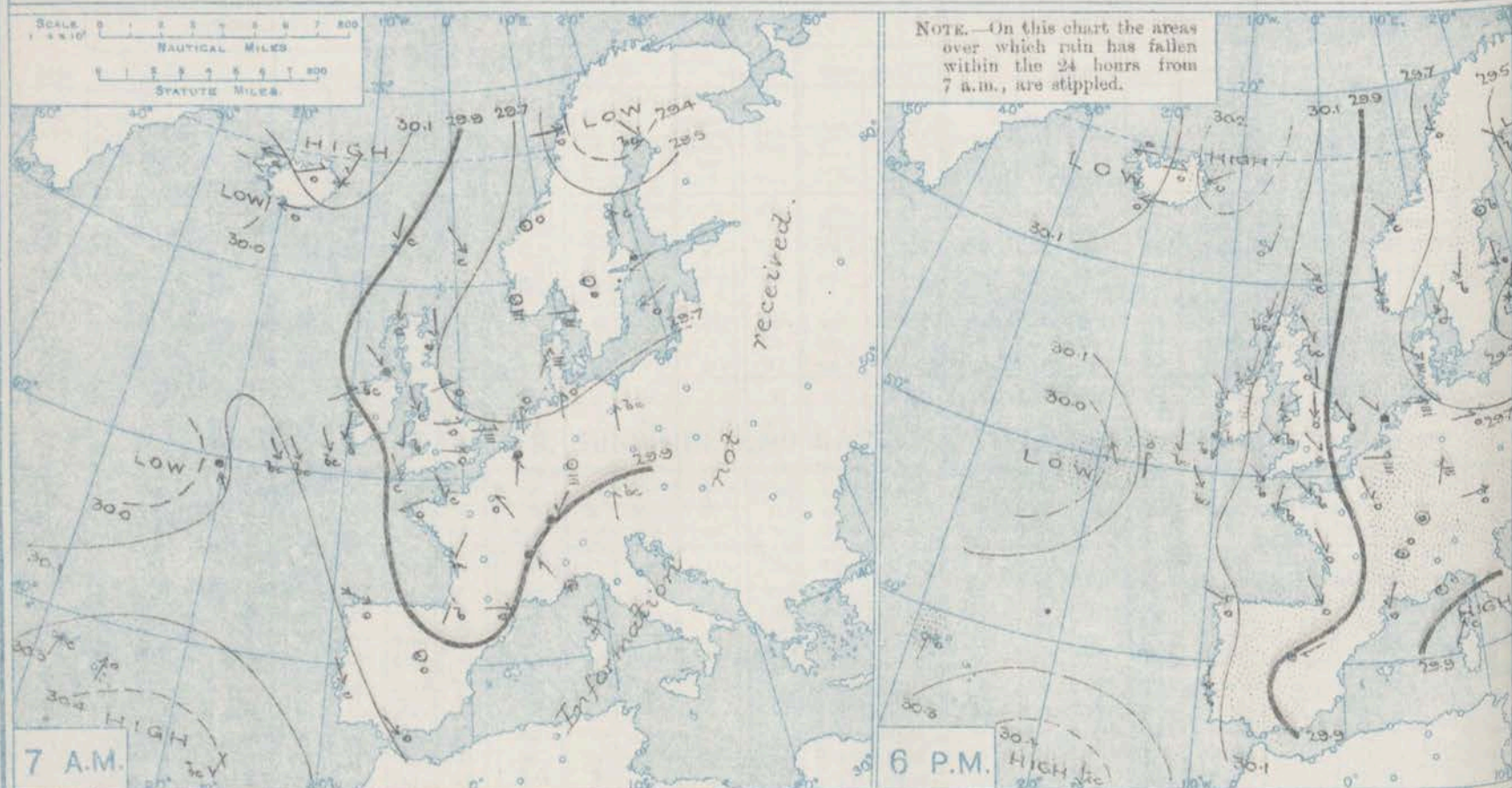
STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun- shine for Yester- day.
		BAROM.		TEMP.		WIND.	Force (0 to 12).	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.				
		At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Direc.	Change since 4 a.m.				Dry Bulb.	Change since Yester- day.	Direc.	Max.						Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.			
BRITISH ISLANDS.		In.					In.	In.								In.						Hours		
Lerwick		30.01	35	NW	4	c	30.21	+0.3	33	-6	WNW	4	c	3	0.02	39	30	befs	cbs	og.c				
Stornoway		30.12	38	NNE	4	bc	30.24	+0.1	34	-8	NNE	2	bc	2	0.01	43	34	cp	bc	bc	1.9			
Castlebay (Barra Isd.)		30.12	42	NNE	2	bc	30.22	0.0	38	-7	ENE	3	bc	3	-	46	36	bc-o	o-be	bc-o	3.5			
Malin Head		30.08	44	NNE	2	bc	30.21	0.0	38	-7	SSW	2	bc	1	-	47	37	bcm	bc	bc				
Blacksod Point		30.11	48	NNW	1	o	30.18	0.0	43	-1	-	0	o	2	-	51	38	bcm	om	om				
Valencia		30.12	48	N	2	b	30.21	+0.1	38	+6	-	0	ox	4	-	53	32	b	b	bax	9.1			
Roche's Point		30.11	48	N	2	b	30.24		38	-1	N	1	f	2	0.02	52	37	by	b.c.b	b.f				
Birr Castle		30.06	47	NNW	1	c	30.22		33	+2	N	1	f	2	0.01	52	30	c	cp	bc	4.8			
Donaghadee		30.02	46	NW	3	c	30.22	+0.2	38	-7	SSW	1	f	1	-	48	37	bcm	om	bc-o				
Liverpool Obsy.		29.99	43	N	3	bc	30.25	+0.5	38	-4	W	1	o	1	0.03	46	35	op	bc	o	1.8			
Holyhead		30.01	44	NE	5	c	30.23	+0.3	41	-7	-	0	o	0	-	48	40	bcm	bc	om				
Pembroke (St. Ann's Hd.)		30.01	46	NW	2	b	30.22	+0.4	41	0	NNE	2	c	3	trace	49	39	b	b	bm	6.5			
Newquay		30.02	47	WNW	4	c	30.20	+0.6	37	0	SE	2	bf	3	-	48	36	c-bv	bc-bv	bc-wf	6.5			
Silly (St. Mary's)		30.05	46	NW	5	b	30.22	+0.3	42	-4	N	1	b	2	trace	51	40	bc	b	b	5.5			
Jersey (St. Aubin)		29.95	48	NW	3	b	30.21		44	-1	N	2	ogm	2	-	52	43	bc-cm	bcm-b	bc-og	7.4			
Portland Bill		29.91	48	NW	4	c	30.21	+0.8	36	-9	NNE	3	b	3	-	50	36	bc	c	bc-c				
Dungeness		29.80	47	WNW	4	c	30.11	+0.6	39	-3	NNW	3	c	3	trace	52	38	of.c	pc	of.c				
Dover		29.85	45	NW	4	r	30.07		37	-5	NW	4	c	4	0.03	52	35	c-bc	bc-c	bc-b	1.6			
Wick		30.03	37	NE	4	c	30.23	+0.4	32	-9	W	2	c	3	trace	42	31	cgp	cgp	c				
Nairn		30.06	39	N	1	bc	30.23		31	-11	-	0	c	1	0.02	43	29	c-o	e-bc	pc	0.0			
Aberdeen		30.04	38	NNW	3	bc	30.25	+0.4	32	-12	NNW	1	bc	2	0.02	44	32	c-op	op-c	cp	0.8			
Leith		30.03	42	NNE	2	c	30.25	+0.5	36	-9	-	0	cf		-	46	33	c	c	c				
North Shields		29.98	40	N	3	o	30.23	+0.6	35	-9	N	2	rsp	4	0.03	46	32	ad-o	c-or	ootsp	0.3			
Spurn Head		29.86	42	NNW	6	c	30.16	+0.7	36	-5	NW	5	cgp	5	0.08	44	36	omot	cgp	ogcgp	0.0			
Yarmouth		29.77	44	NW	2	r	30.12	+0.6	39	-1	NNW	2	c	2	0.02	49	38	from	omd	ad-c	0.5			
Clacton-on-Sea		29.81	45	WNW	2	o	30.15	+0.5	35	-3	NW	2	c	1	0.01	50	34	om-c	c-ogd	ogp-c	0.6			
Nottingham		29.43	43	N	6	o	30.21		36	-3	N	3	om		0.02	48	35	odm	+dm	oc-b	0.2			
Bath		29.93	48	NW	1	o	30.26		34	-9	-	0	b		-	53	31	-	-	-	4.6			
London (Kew Obsy.)		29.89	46	NW	2	c	30.21	+0.8	38	-3	NNW	3	cm		trace	52	38	om-c	cb-c	c-or	2.6			
ICELAND & FAEROE.																		GALES.						
Isafjord		30.07	32	E	2	c	29.77	-0.9	41	+12	-	0	o		-	-	-	Duration and Extreme Force on British Coasts.						
Reykjavik		29.99	41	E	3	o	29.67		43	+7	SE	5	c		-	-	-							
Vestmanna		30.09	39	E	7	o	29.77	-1.1	44	+7	E	9	r	2	-	-	-							
Seydisfjord		30.23	25	ENE	3	o	30.04	-0.5	22	-3	-	0	bc		-	-	-							
Thorshavn		30.17	31	NE	2	o	30.25	0.0	30	-4	-	0	o		-	-	-							
SCANDINAVIA.																								
Haparanda		29.49	0	NW	2	b	?	+0.7	-11	-9	N	4	bc		-	5	-13							
Hernösand		29.58	13	-	0	b	29.75	+0.5	4	-15	NNE	2	b		-	28	1							
Stockholm		29.54	28	N	2	o	29.69	+0.6	19	-12	NNW	4	b		0.04	32	18							
Wisby		29.45	32	NE	2	s	29.65	+1.1	28	-9	NNE	6	bc		0.32	37	25							
Karlstad		29.63	29	NE	2	b	29.83	+0.6	18	-15	NW	2	b		trace	34	16							
Færder (X'ania Fjord)		29.63	33	NNE	4	o	29.89	+0.5	26	-8	NNW	4	b		1	-	34	25						
Bodö		29.60	24	N	2	o	29.69	-0.1	24	-1	N	1	bc		2	-	25	14						
Christiansund		29.82	28	NW	5	c	29.97	+0.6	28	-5	NNW	5	c		0.24	35	25							
Skudesnaes		29.75	34	N	6	b	30.05	+0.4	29	-10	NE	4	b		2	-	41	28						
The Scaw (Skagen)		29.61	33	NE	5	o	29.90	+0.6	32	-7	NNE	6	b		2	-	39	30						
Blaavands Huk		29.66	38	NW	2	f	29.95	+1.1	32	-6	NNE	2	bc		2	trace	39	30						
GERMANY, &c.																								
Cuxhaven		29.69	39	W	2	f	29.88	+0.7	36	0	N	4	o		0.08	41	36							
The Helder		29.74	40	WNW	1	o	30.05	+0.8	38	0	N	5	o		0.12	43	?							
Brussels		29.80	41	W	1	f	30.04	+1.0	38	-3	NE	2	o		0.12	44	37							
Berlin		29.70	41	W	2	f	29.86	+0.4	39	+11	W	2	o		0.04	46	28							
Frankfurt		29.79	40	SW	1	f	29.91	+0.5	39	+7	SW	1	f		0.04	43	32							
Munich		29.80	40	W	5	o	29.94	+0.3	35	+10	SW	4	f		0.08	48	25							
FRANCE.																								
C. Gris Nez		29.84	45	NNW	4	o	30.12	+1.0	39	-4	N	5	r		0.04	50	37							
La Hève		29.92	43	N	1	o	30.12		41	-2	NNE	3	c		3	-	52	37						
Brest (St. Mathieu)		30.08	48	NNE	3	b	30.26	+0.4	43	-3	NE	2	b		5	-	52	41						
Lorient (Dec Melen)																								
Rochefort (Ile d' Aix)		29.94	46	NNW	3	o	30.13		44	-1	N	3	o		-	52	43							
Biarritz		29.95	51	NNW	4	o	30.13		48	-2	ENE	3	o		4	0.16	52	45						
SPAIN, PORTUGAL, &c.																								
Paris		29.85	44	NNW	1	o	30.02	+0.7	42	0	N	5	o		trace	50	41							
Belfort		29.84	34	-	0	f	29.98		35	+1	W	2	o		0.63	41	33							
Lyons		29.87	44	-	0	o	30.00		40	0	-	0	o		0.24	47	39							

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. 27th FEBRUARY.



GENERAL INFERENCE

The ridge of high pressure now covering the United Kingdom will move slowly in an easterly direction, while the wind will shift

WEATHER PROSPECTS.

to the Southward along our western seaboard, and the Northerly current over England will die out.

FORECASTS FOR THE 24 HOURS NOON Friday

TO NOON Saturday.

- 0 { a Light and variable, to Southerly winds, light or moderate; mostly fair to dull, some rain locally to-morrow, cold, then milder.
- 1 { b
- 2 { a Northerly winds, light or moderate, rather variable
- 3 { b weather and low temperature, then light airs, variable or
- 4 { a Southerly; generally fair weather
- 5 { b and a higher 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.

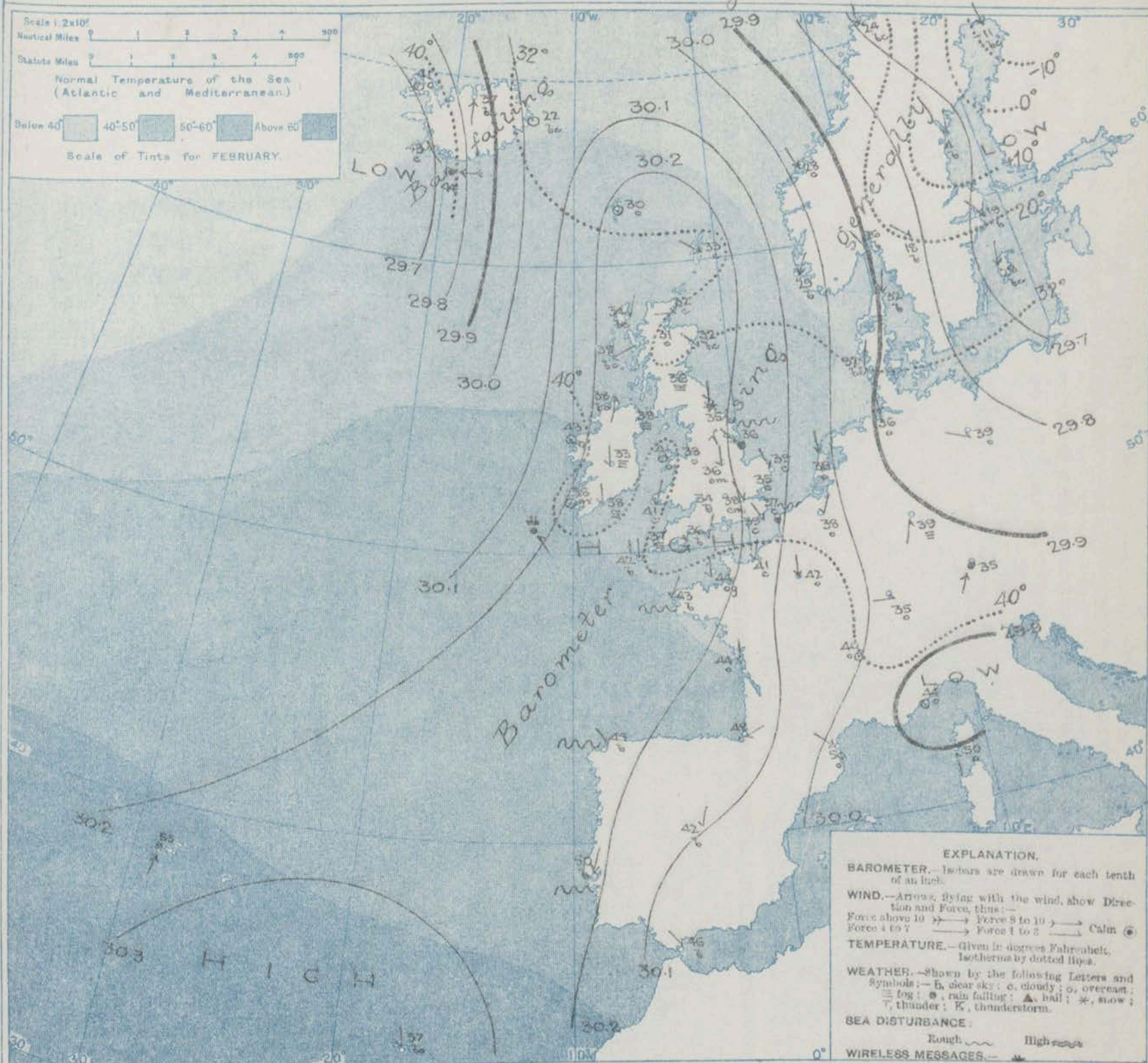
- 6 { a Wind becoming Southerly, increasing in force; fair, with
- 7 { b local mist or fog, then cloudy or overcast, with some rain;
- 8 { a temperature rather low to
- 9 { b moderately high.
- 10 { a
- 11 { b

11 WESTERN CHANNEL AND BAY.

Wind shifting to South-West or South, light or moderate; sea slight; fair, some mist or fog, then less settled.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. *Friday, 28th* FEBRUARY 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Barometric pressure is above 30.2 in. in a ridge extending north-eastward and northward from the Azores across these Islands to beyond the north of Scotland. In the west of Iceland it is below 29.7 in., and a similar figure is reported over the Gulf of Bothnia and the north of Norway.

Northerly winds prevail in almost all parts of the United Kingdom, and also over and beyond the North Sea. On the west coast of Ireland, however, calms are reported, and in Ireland the wind is Southerly or South-Easterly.

Temperature has fallen except in central Europe. Over these Islands it ranges from 44° at Jersey, 43° at Blackrock Point and 42° at Scilly to about 32° in the north-east of Scotland. At Haparanda the reading is as low as -11°. Showers of rain or sleet are falling locally on the north-east of England, and rain is reported by wireless at about 50 miles to the south-westward of Valencia. Over the United Kingdom generally the sky is clear to dull, but much fog prevails in Ireland. Rain is falling at Cape Gos Rey and Munich.

DAILY WEATHER REPORT.

Friday, 23rd February 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
25th 7 a.m.	51	11	Baltic	H	30.16	-0.2	SE	1-3	r	27th 6 p.m.	51	10	Carpathia	H	30.11	+0.2	NNE	4-5	b
27th 6 p.m.	50	19	Arabia	O	29.99	-0.8	SSE	6-7	o	" 1 p.m.	51	12	Keonmouth	O	30.07	+0.5	NW	4-5	c
" "	50	16	Baltic	H	30.14	+0.1	S	1-3	o	" 7 a.m.	49	20	Baltic	H	30.07	-0.2	SE	4-5	r
" "	51	13	Keonmouth	O	30.14	+0.2	N	1-3	bc	" "	50	14	Carpathia	H	30.04	+0.1	NW	4-5	bc
" "	49	11	Zeeland	H	30.18	+0.1	NNW	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	0.15	50	41	bcp	bc	4.2	England, S.E.	Margate	0.03	48	39	o	o	0.7
	Stonehaven								Ramsgate		50	39	*	*	0.7
	St. Andrews								Deal		53	40	emp, bc	c, ou	1.5
	Carnoustie								Folkestone	0.08	51	42	mor, bc	bc, r	1.9
England, N.E.	Harrogate	0.02	48	37	c, bc, c	p, o, c	0.3	England, S.W.	Littlestone						2.5
	Scarborough		45	40	o	o	0.0		Hastings	0.04	52	40	op, bc	bc, o, c	4.0
	Blackpool	0.04	48	35	c	c, bc	4.1		Bexhill-on-Sea	0.02	53	41	m, bc	c	3.8
	Southport	0.02	46	36	c, bc	cp, roc	4.7		Eastbourne	0.01	54	39	b, bc	b, bc, og	4.1
England, N.W.	Buxton	0.08	46	39	bc	c	0.5	England, S.W.	Seaford		53	38	o	o, c	5.0
	Matlock								Brighton	0.01	54	42	om, c, bc	c, or, o, c	6.2
	Douglas								Worthing		56	38	bc	c	5.5
	Rhyl	0.03	46	38	b	b, bc	2.0		Littlehampton						
Wales.	Colwyn Bay		48	41	c, bc	b, bc	1.3	England, S.W.	Bognor		52	37	c, bc	bc, c, b	7.0
	Llandudno	0.02	50	41	bc	b	2.0		Southsea		52	37	c, bc	bc, c	6.6
	Bettws-y-Coed		50	35	bc	bc, c	0.1		Bournemouth	0.04	52	37	c, bc	bc, c	7.5
	Aberystwyth	0.10	47	43	roc	c, bc	1.2		Weymouth		52	38	b	bc	7.0
England, E.	Lowestoft	0.01	49	38	o, c	bc	1.0	England, S.W.	Teignmouth		53	42	b	b, bc	7.1
	Felixstowe	0.04	52	37	em	emp	1.9		Torquay		52	40	b	b	7.1
	Walton-on-Naze	0.01	51	41	mor, bc, b	b, bc, o	2.1		Paignton		53	40	b	b	7.3
	Southend-on-Sea		52	40	bc	bc	2.6		Hilfrcombe	0.03	49	40	bc, b	b, bc	6.6
									Weston-super-Mare		49	41	bc	bc	

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		TEMPERATURE.			Rain-fall.	WEATHER.			Sun-shine for Yesterday.	STATIONS.	RAIN-FALL.	TEMPERATURE.			WEATHER.			Sun-shine for Yesterday.	
	1 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.) ...	69	87	52	37	33	0.01	bc	o, p	2.0	Dublin to 4 p.m.	in.	51	36	33	bc	c, b	bc	7.6		
City (Bunhill Row) ...	"	"	"	"	"	"	"	"	1.7	Plymouth to 9 p.m.	-	51	39	31	bc	bc, c	bc	7.3		
Westminster (St. James's Pl.)	75	84	53	36	35	-	bc	bc	2.1	Darwen "	0.05	48	36	32	c	omr	bc	1.3		
Camden Sq. (Brit. Rainfall)	73	84	53	37	35	-	c, bc	bc, o	2.4	Manchester "										
Hampstead (Reservoir) ...	"	91	53	35	31	-	bc, o	o	2.9	Birmingham "	0.05	46	38	23	o	c	or	0.7		
Kew. (See front page.)			VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.								Oxford to 8 p.m.	-	50	40	31	o	o, bc, o	o, or		
			Total.		Average Rate.		Max. Rate.													
S. Kensington (Roof of M.O.)	71	90	472 Joules.		12.3 Milliwatts.		39 Milliwatts.		2.6	S. Kensington (Museum Grounds to 8 p.m.)	trace	52	43	35	c	o	o, p			

NOTES ON YESTERDAY'S WEATHER.

During yesterday temperature rose to 50° or a little higher in many parts of England and Ireland, touching 56° at Worthing. Slight rain fell in various parts of the Kingdom, and the duration of bright sunshine varied greatly; on some parts of the south-west coast of England the record exceeded 7 hours, while at Valencia it was as high as 9.1 hours. According to wireless reports a light to fresh or strong Southerly to South-Easterly breeze prevailed on the Atlantic, between the 15th and 20th degrees of longitude.

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

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

12.25

ADDITIONS AND CORRECTIONS
TO THE
DAILY WEATHER REPORT.

FEBRUARY, 1913.

ADDITIONS AND CORRECTIONS TO THE

1.—REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
		BAROM.	TEMP.	WIND.	Force (0 to 12).	Weather.	BAROMETER.		TEMP.		WIND.		Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.			
							At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Dirac.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.					Dirac.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.		
1st	Spitzbergen	24.30	12	—	0	S	24.26	In.	16	+9	SE	6	0	0	In.	—	—	—	—	—	Hours	
"	Jensu	24.26	46	WNW	5	S	24.53	—	44	—	SSW	4	4	0.09	44	38	orig	orig	orig	4.8		
"	Lorient	24.23	46	W	5	S	24.28	—	48	—	SW	3	4	0.28	54	41	orig	orig	orig	"		
"	P. Delgada	24.18	38	SW	3	S	24.16	+0.3	54	—	ENE	4	4	0.16	54	41	orig	orig	orig	"		
2nd	Spitzbergen	24.41	9	E	0	S	24.52	—	48	—	E	3	4	0.45	54	40	orig	orig	orig	"		
"	Jensu	24.48	39	WNW	3	S	24.49	—	48	—	W	3	4	0.45	54	40	orig	orig	orig	"		
"	The Helder	24.60	39	SSE	4	S	24.56	+1.2	40	—	WNW	5	5	0.45	46	40	cqr	cqr	cqr	0.0		
"	Lorient	24.72	45	WNW	4	S	24.68	—	46	—	WNW	5	5	0.43	41	34	—	—	—	"		
3rd	Spitzbergen	24.61	3	SE	3	S	24.70	—	49	—	SE	2	2	0.51	55	39	—	—	—	"		
"	Planhol	24.98	40	SW	5	S	24.94	+0.5	51	—	SW	4	4	—	—	—	—	—	—	"		
"	Lorient	24.16	50	W	5	S	24.34	—	51	+5	WSW	5	5	0.04	54	39	—	—	—	"		
"	P. Delgada	24.56	56	SSE	5	S	24.43	—0.3	57	+8	SSE	5	4	0.04	54	39	—	—	—	"		
"	Burlin	24.48	43	W	5	S	24.44	+0.4	46	+8	SW	5	2	0.20	54	38	—	—	—	"		
"	Lorient	24.59	51	SW	5	S	24.44	—	46	+8	SW	5	4	0.20	54	38	—	—	—	"		
"	Belfort	24.48	44	WSW	5	S	24.16	—	43	+5	W	5	4	0.24	54	38	—	—	—	"		
"	P. Delgada	24.25	57	SE	5	S	24.10	—0.2	54	—3	—	0	3	0.24	54	38	—	—	—	"		
5th	Spitzbergen	24.57	—40	—	—	S	24.53	—	47	—23	SE	2	3	0.04	54	38	—	—	—	"		
"	Isafjord	24.57	—40	—	—	S	24.25	—0.3	47	+1	NE	2	3	0.04	54	38	—	—	—	"		
"	Lisbon	24.12	51	NE	5	S	24.03	+0.1	48	+5	NE	5	3	0.04	54	38	—	—	—	"		
"	P. Delgada	24.06	51	—	—	S	24.06	+0.2	48	+6	NE	5	3	0.04	54	38	—	—	—	"		
6th	Spitzbergen	24.53	—40	—	—	S	24.43	—	47	+12	—	—	0.04	54	38	—	—	—	—	"		
"	Isafjord	24.53	—40	—	—	S	24.14	—0.8	47	+2	NE	5	3	0.04	54	38	—	—	—	"		
"	Lorient	24.04	45	SE	5	S	24.04	—	45	+2	S	5	2	0.04	54	38	—	—	—	"		
"	Wijons	24.40	47	S	5	S	24.25	—	45	+7	SSE	5	2	0.04	54	38	—	—	—	"		
"	P. Delgada	24.08	56	W	5	S	24.06	—	45	+11	WSW	5	2	0.04	54	38	—	—	—	"		
7th	Spitzbergen	24.47	—9	SE	5	S	24.58	+0.5	48	+8	S	5	2	0.04	54	38	—	—	—	"		
"	P. Delgada	24.11	50	S	5	S	24.13	+0.2	48	+1	SW	5	2	0.04	54	38	—	—	—	"		
"	Spitzbergen	24.66	—31	SE	5	S	24.44	—0.4	49	+9	—	—	0.04	54	38	—	—	—	—	"		
"	Hapanaid	24.79	23	S	5	S	24.76	—0.2	45	+5	—	—	0.03	26	21	—	—	—	—	"		
"	Hapanaid	24.62	31	S	5	S	24.67	—0.3	45	+3	—	—	0.12	34	18	—	—	—	—	"		
"	Stockholm	24.78	36	W	5	S	24.76	—0.1	45	+5	SE	5	2	0.08	37	31	—	—	—	"		
"	Wigby	24.90	37	S	5	S	24.76	—0.1	45	+5	SE	5	2	0.16	39	30	—	—	—	"		
"	Karlstad	24.80	34	S	5	S	24.76	—0.1	45	+5	SE	5	2	0.24	39	32	—	—	—	"		
"	Faerder	24.76	36	SSW	5	S	24.73	—0.3	45	+2	S	5	2	0.20	39	36	—	—	—	"		
"	Bodo	24.38	37	E	5	S	24.43	—0.1	45	+4	E	5	2	0.04	39	30	—	—	—	"		
"	Christiansund	24.47	41	E	5	S	24.13	—0.5	46	+2	SE	5	2	0.04	45	37	—	—	—	"		
"	Shadesnes	24.60	41	S	5	S	24.10	—0.3	45	0	SE	5	2	0.20	43	39	—	—	—	"		
"	P. Delgada	24.25	60	SW	5	S	24.10	—0.3	45	0	SW	5	2	—	51	59	—	—	—	"		
9th	Gibraltar	24.60	56	E	5	S	24.50	+0.2	55	—2	E	3	3	—	59	53	—	—	—	"		
10th	Spitzbergen	24.43	7	—	—	S	24.24	—	45	+25	—	—	0.04	54	38	—	—	—	—	"		
"	Isafjord	24.43	7	—	—	S	24.25	+0.6	45	+25	—	—	0.04	54	38	—	—	—	—	"		
"	Reykjavik	24.43	7	—	—	S	24.53	+0.6	45	+25	—	—	0.04	54	38	—	—	—	—	"		
"	Vestmanna	24.43	7	—	—	S	24.62	+0.10	47	+4	SW	5	8	—	—	—	—	—	—	"		
"	Belfort	24.71	40	E	5	S	24.70	—	45	+1	ENE	5	2	0.04	54	38	—	—	—	"		
"	Sanguinair	24.38	51	—	—	S	24.34	—	45	+3	ENE	5	2	0.04	54	38	—	—	—	"		
"	P. Delgada	24.31	53	—	—	S	24.24	—0.2	45	+3	ENE	5	2	0.04	54	38	—	—	—	"		
"	Funchal	24.29	60	ENE	5	S	24.38	+0.1	45	—1	ENE	5	2	0.04	54	38	—	—	—	"		
"	Spitzbergen	24.01	27	SE	5	S	24.44	—	45	+1	SE	5	6	0.04	54	38	—	—	—	"		
"	Reykjavik	24.01	27	SE	5	S	24.24	—0.4	41	+9	—	—	0.04	54	38	—	—	—	—	"		
"	Sanguinair	24.41	51	—	—	S	24.39	—	45	+5	ENE	5	2	0.04	54	38	—	—	—	"		
"	P. Delgada	24.21	60	SE	5	S	24.19	—0.1	45	+2	ENE	5	2	0.04	54	38	—	—	—	"		
"	Funchal	24.36	60	SE	5	S	24.36	—0.4	45	+13	—	—	0.04	54	38	—	—	—	—	"		
12th	Spitzbergen	24.68	17	SE	5	S	24.64	—0.4	45	+13	—	—	0.04	54	38	—	—	—	—	"		
"	P. Delgada	24.21	60	SE	5	S	24.22	+0.2	45	+1	SSW	5	2	0.04	54	38	—	—	—	"		
13th	Spitzbergen	24.81	0	—	—	S	24.73	—	45	+1	SE	5	2	0.04	54	38	—	—	—	"		
"	Sanguinair	24.25	51	—	—	S	24.27	+0.1	45	+1	ENE	5	2	0.12	54	38	—	—	—	"		
"	Lisbon	24.38	51	—	—	S	24.28	+0.1	45	+1	ENE	5	2	0.08	54	38	—	—	—	"		
"	P. Delgada	24.03	51	—	—	S	24.47	+0.2	45	+1	ENE	5	2	0.32	54	38	—	—	—	"		
14th	Spitzbergen	24.06	51	—	—	S	24.39	+0.2	45	+1	ENE	5	2	0.04	54	38	—	—	—	"		
"	P. Delgada	24.06	51	—	—	S	24.36	—0.2	45	+1	ENE	5	2	0.04	54	38	—	—	—	"		
"	Funchal	24.27	52																			

REPORTS FOR FEBRUARY, 1913.

2.—CORRECTIONS.

DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shine for Yester- day. Hours.
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		TEMP.		WIND.		Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.					
				At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.		Direc.	Force (0 to 12).	At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.				Direc.	Force (0 to 12).	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.	
1st	Plain Head	In.	.	.	.	.	In.	In.	.	.	.	6	.	.	In.	.	.	.	.	.	.	.	Hours.
"	Dover	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Wick	.	.	WSW	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Hairn	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Spurn Head	.	.	.	.	cq	.	.	.	.	.	.	.	.	.	.	.	.	.	cpl. sq	cpl. sq	.	.
"	Harmouth	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2nd	Howquay	.	.	.	.	.	29.84	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
3rd	Donaghadee	.	.	.	.	.	.	.	.	.	.	.	.	.	0.30	.	.	.	.	.	.	.	.
"	Holyhead	.	.	.	6	.	.	.	.	.	.	.	.	.	0.03	.	.	.	.	.	.	.	.
"	Jersy	.	.	.	.	cqm	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Garmouth	.	.	.	.	.	.	.	.	.	.	.	.	.	0.16	.	.	.	.	.	.	.	.
4th	Spitzbergen	29.72	-22	.	0	6	29.62	+0.6	-33	-17	S	1	6	.	.	.	.	.	.	.	.	.	.
"	Donaghadee	.	.	.	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Howquay	.	.	.	.	.	.	.	.	.	SW	.	.	.	.	.	.	.	.	.	.	.	.
"	Dover	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	North Shields	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.3
5th	Blawards Kirk	.	.	.	.	.	29.89	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.2
"	Donaghadee	.	.	.	.	.	.	.	.	.	.	.	.	.	0.02	.	.	.	.	.	.	.	.
"	Howquay	30.27	.	SSW	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Hapernada	.	.	.	.	.	.	.	.	.	.	.	.	.	.	27	.	.	.	.	.	.	.
"	Stockholm	.	.	.	.	.	.	.	.	.	.	.	.	.	.	41	.	.	.	.	.	.	.
"	Karlstad	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Skagen	.	.	.	.	.	29.86	.	35	-4	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Lorient	.	.	.	.	.	30.12	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
6th	Donaghadee	.	.	.	.	.	29.98	.	.	.	.	.	.	.	0.04	.	.	.	.	.	.	.	.
"	Blawards Kirk	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	London (New Quay)	29.94	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Delfort	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Howquay	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Silly	.	.	WSW	.	.	.	.	.	.	.	.	.	.	0.07	.	.	.	.	.	.	.	.
"	Dungeness	.	.	.	.	c	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8th	Harmouth	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Jersy	.	.	SSW	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Portland Bill	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Dungeness	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Dover	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Howquay	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
9th	Howquay	29.29	-2	S	1	0	30.49	.	-9	0	.	0	bc	.	.	.	.	.	.	.	.	.	.
"	Spitzbergen	29.80	.	.	.	.	29.42	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Lerwick	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Donaghadee	.	.	.	.	.	.	.	.	.	.	.	.	.	0.04	.	.	.	.	.	.	.	.
"	Portland Bill	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Lerwick	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
10th	Howquay	.	.	.	.	.	30.34	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
12th	Dover	30.50	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
13th	Dungeness	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Holyhead	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Jersy	.	.	.	3	bm	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Stornoway	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
16th	Valencia	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Blackhead Point	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17th	Holyhead	30.31	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Holyhead	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	North Shields	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
19th	Rock's Point	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
20th	Stornoway	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Silly	.	.	.	.	.	30.04	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Dover	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Howquay	29.89	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
21st	Howquay	.	.	.	.	.	29.98	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23rd	Howquay	.	.	.	.	.	30.21	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Holyhead	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Silly	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Dungeness	.	.	.	.	.	30.39	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
24th	New Quay	.	.	.	.	.	30.40	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Lerwick	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
25th	Blackhead Point	.	.	.	.	.	30.06	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Howquay	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
26th	Spurn Head	.	.	.	.	.	.	.	.	.	.	.	.	.	0.21	.	.	.	.	.	.	.	.
"	Holyhead	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Blackhead Point	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Blackhead Point	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Blackhead Point	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
27th	Howquay	.	.	.	.	.	30.36	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
28th	Howquay	.	.	.	.	.	29.90	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Howquay	.	.	.	.	.	30.17	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Howquay	.	.	.	.	.	29.65	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Howquay	.	.	.	.	.	30.05	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Howquay	29.87	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

WIRELESS TELEGRAMS.

ADDITIONS AND CORRECTIONS—FEBRUARY, 1913.

DATE OF REPORT.	DATE AND HOUR OF OBSERVATION.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE OF REPORT.	DATE AND HOUR OF OBSERVATION.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
		Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.				Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
						In.	In.		(0-12).								In.	In.		(0-12).	
ADDITIONS.											CORRECTIONS.										
											1st	31st Jan. Jan.			Mount Temple						7
											14th	3rd. bpm			Mauretania		+04				7
												"			Minnewaska						
												"			Mauretania		-05				
												"			Minnewaska		-04				
											6th	5th			Zealand						5
											8th	7th. bpm			Carpathia				W		7
											9th	8th			- do -						9
												"			Montrose	29.83	+11				
												"			Carpathia						
											10th	9th			Gallic						
											11th	13th. Jan.			Saxonia						
												"			Oceanic						4
											16th	16th. Jan.			Lake Erie	30.21					
												15th. bpm			Pesaba	30.26	-06				
											17th	16th.	149		Mauretania						5
												"			Turonic	30.23	00				
											18th	18th. Jan.			Oceanic	30.14	+02				5
												17th			Montezuma						
											19th	18th. bpm			Carmania						3
												"			- do -						
											21st	20th. Jan.			Svernia	30.22	-02				
											22nd	21st.			- do -						7
											23rd	22nd.			Montreal	29.25					
												"			- do -	29.32					
											24th	24th. Jan.			- do -	29.33					
												23rd.			- do -	29.32					
												"			- do -	29.32					
											25th	25th. Jan.			Minnewaska						6
												"			Montezuma						
												24. bpm			Mauretania	29.38	+21				5
												"			- do -	29.29	+03				4
											27th	27th.			Zealand						
											28th	27th. bpm			Carpathia						1
GALES.																					
Duration and Extreme Force, on British Coasts.																					
Additions																					
2nd				Jersey		2pm. - 4pm.															
				Squalls		8.															
9th				Aberdeen		1a.m.															
				Squall		SSW 9 (50 mph).															

BRITISH ISLANDS. ICELAND & FAEROE. SCANDINAVIA. GERMANY, &c. FRANCE. SPAIN, PORTUGAL, &c.