

METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1ST JANUARY TO 30TH JUNE, 1903.

DAILY WEATHER REPORT.

January to June 1903.

SUPPLEMENT TO THE DAILY WEATHER REPORT.

VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE SIX MONTHS, JANUARY TO JUNE.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871-1900.	TEMPERATURE OF AIR. 1871-1900.								RAINFALL.		BRIGHT SUNSHINE.	
		Means of				Absolute Extremes.				Means for		Means, 1881-1900.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum.	Date.	Minimum.	Date.	Days with Rain.	Total Fall.	Average Duration.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°			(Inches.)	(Hours.)	
Sumburgh Head	29.802	39.5	28.1	42.6	35.3	52	1898	19	1881	26	3.85	—	—
Stornoway	29.799	39.3	28.4	43.1	34.2	55	1890	11	1881	25	4.87	29.7	14
Malin Head	29.811	40.9	39.4	45.1	37.8	[55]*	[1898]	[23]*	[1894]	[22]*	[2.44]*	—	—
Blackod Point	29.849	42.5	41.2	48.5	38.8	[56]*	[1890]	[25]*	[1894]	[20]*	[4.75]*	—	—
Valencia	29.912	44.2	42.7	49.1	39.9	56	1878, 78	20	1894	24	6.10	54.5	22
Roche's Point	29.929	43.0	41.7	47.5	39.2	57	1899	20	1894	20	5.14	—	—
Parsonstown	29.913	38.5	37.5	45.2	33.9	57	1890, 98	6	1881, 94	20	2.91	62.0	21
Donaghadee	29.872	40.0	39.1	44.5	36.0	59	1898	14	1881	20	2.80	—	—
Liverpool	29.934	38.4	36.8	43.3	35.0	58	1898	9	1881	17	2.20	—	—
Holyhead	29.915	41.6	40.2	45.3	38.4	55	1878	20	1894	19	3.23	—	—
Pembroke	29.949	42.6	41.1	45.4	39.3	53	1899	19	1881, 94	20	3.71	54.1	22
Scilly	29.972	46.3	44.6	48.8	42.5	57	1899	26	1894	31	3.59	—	—
Jersey	30.026	42.0	40.4	46.0	38.3	57	1877, 99	12	1897	19	3.16	66.9	25
Portland Bill †	[29.938]	[44.0]	[42.7]	[46.9]	[39.9]	—	—	—	—	[19]	[4.22]	—	—
Dungeness	30.002	38.8	37.9	43.3	35.1	55	1878, 98	11	1893	17	1.87	—	—
Wick	29.732	38.1	36.8	42.3	33.1	60	1898	— 4	1881	20	2.26	—	—
Nairn	29.763	37.1	35.6	42.3	32.2	59	1887	5	1881, 1895	17	2.03	—	—
Aberdeen	29.804	37.0	35.3	42.1	33.0	59	1898	4	1881	18	2.36	52.1	23
Leith	29.837	38.4	37.0	44.1	33.6	59	1898	9	1881	15	1.75	—	—
North Shields	29.885	38.1	36.8	43.0	33.8	58	1880, 98	6	1881	15	1.73	—	—
Spurn Head	29.925	37.6	36.7	41.6	34.4	[55]*	[1898]	[13]*	[1881]	15	1.39	—	—
Yarmouth	29.970	37.3	36.4	41.3	33.3	57	1899	10	1881	18	1.80	—	—
Loughborough	29.971	36.1	35.1	42.8	32.1	[59]*	[1898]	[2]*	[1881]	17	2.04	—	—
Oxford	30.001	38.9	35.8	42.9	33.3	59	1877, 99	7	1881	17	2.08	40.4	18
LONDON	30.004	37.5	36.4	43.8	33.6	58	1876	9	1881	16	2.01	18.4†	7†
Sumburgh Head	29.759	33.6	37.2	42.2	34.4	51	1887, 91	17	1895	21	3.09	—	—
Stornoway	29.766	33.0	38.0	43.8	34.2	55	1891	12	1892	21	3.84	62.8	24
Malin Head	29.834	41.1	39.6	45.4	36.3	[59]*	[1891]	[20]*	[1895]	[17]*	[2.96]*	—	—
Blackod Point	29.863	42.5	40.9	47.3	36.8	[61]*	[1891]	[23]*	[1895]	[20]*	[3.54]*	—	—
Valencia	29.912	44.5	42.7	49.5	40.4	58	1891	22	1895	21	4.94	73.5	27
Roche's Point	29.924	43.1	41.6	45.3	39.8	56	1877, 89, 96	25	1895, 1900	17	4.09	—	—
Parsonstown	29.909	39.1	37.8	49.9	35.0	59	1891	6	1895	16	2.12	68.0	25
Donaghadee	29.888	40.1	39.2	46.6	36.5	57	1897	16	1895	17	2.83	—	—
Liverpool	29.938	38.6	37.0	44.5	35.7	62	1878	12	1895	15	1.71	—	—
Holyhead	29.920	41.3	39.9	45.5	38.3	59	1891	17	1895	16	2.47	—	—
Pembroke	29.944	42.0	40.8	45.5	39.2	53	1899	23	1895	17	2.68	77.6	28
Scilly	29.958	46.0	44.3	49.0	42.5	57	1898, 99	27	1895	18	2.65	—	—
Jersey	30.015	42.4	40.9	47.2	39.0	62	1891	18	1895	17	2.42	94.3	33
Portland Bill †	[29.955]	[39.0]	[38.5]	[43.8]	[35.1]	—	—	—	—	[19]	[4.30]	—	—
Dungeness	29.986	39.1	38.0	44.5	35.6	57	1897	11	1899	15	1.37	—	—
Wick	29.787	37.7	36.4	43.0	32.8	59	1878	9	1895	17	2.06	—	—
Nairn	29.806	36.6	35.0	43.6	32.1	64	1891	0 (Zero)	1895, 97	14	1.60	—	—
Aberdeen	29.845	38.9	35.1	43.2	33.2	64	1897	6	1895	17	2.20	75.2	29
Leith	29.866	38.2	36.8	45.0	33.9	59	1882	12	1895	18	1.46	—	—
North Shields	29.901	38.3	36.9	44.1	34.4	60	1898, 99	7	1896	14	1.50	—	—
Spurn Head	29.932	38.2	37.3	42.5	35.5	[61]*	[1899]	[20]*	[1895]	15	1.85	—	—
Yarmouth	29.962	38.0	37.0	42.5	34.1	58	1872, 98	15	1895	15	1.70	—	—
Loughborough	29.967	36.6	35.5	45.4	33.0	[64]*	[1891]	[— 5]*	[1895]	13	1.75	—	—
Oxford	29.991	37.4	36.3	45.2	34.3	64	1891	7	1895	14	1.80	66.1	25
LONDON	29.994	38.3	37.0	45.8	34.7	66	1899	10	1895	14	1.69	32.8†	12†
Sumburgh Head	29.731	38.5	37.0	42.8	34.1	57	1893	18	1879	23	2.88	—	—
Stornoway	29.767	39.2	38.2	45.0	34.2	58	1872	13	1881	23	3.48	103.9	29
Malin Head	29.834	41.1	39.5	46.4	38.5	[62]*	[1891]	[26]*	[1890]	[19]*	[2.06]*	—	—
Blackod Point	29.889	43.3	41.4	48.4	39.1	[64]*	[1894, 99]	[26]*	[1891, 1900]	[23]*	[3.47]*	—	—
Valencia	29.927	44.8	42.7	50.9	40.1	66	1899	26	1899	20	3.92	132.3	36
Roche's Point	29.930	43.4	41.5	49.7	39.6	61	1899	27	1890	14	3.26	—	—
Parsonstown	29.920	39.9	38.5	49.8	34.8	66	1894	18	1891	16	2.23	110.8	30
Donaghadee	29.876	40.8	39.6	47.5	37.0	65	1874	25	1892	18	1.96	—	—
Liverpool	29.904	40.3	38.2	47.1	36.8	66	1871	21	1886	15	1.67	—	—
Holyhead	29.901	42.1	40.5	47.3	38.8	67	1894	27	1881	16	2.22	—	—
Pembroke	29.926	42.2	40.6	46.6	39.1	58	1872, 99	26	1883, 90, 91	17	2.24	135.2	37
Scilly	29.942	46.1	44.2	49.7	42.3	59	1893	30	1890	18	2.26	—	—
Jersey	29.963	44.2	42.1	49.8	40.0	66	1871, 93, 94	21	1890	16	2.20	154.0	42
Portland Bill †	[30.005]	[39.2]	[37.5]	[45.4]	[34.4]	—	—	—	—	[12]	[1.03]	—	—
Dungeness	29.927	40.8	39.3	46.7	36.0	59	1894, 96	13	1890	14	1.38	—	—
Wick	29.770	39.0	37.4	45.0	33.9	62	1894	10	1900	20	2.05	—	—
Nairn	29.795	38.1	36.3	46.1	33.3	65	1884	6	1892	17	1.72	—	—
Aberdeen	29.813	38.8	36.5	45.8	34.3	66	1889, 91, 92	10	1889	19	2.28	121.6	38
Leith	29.840	39.4	37.6	48.0	34.5	68	1884	19	1879, 81, 89	15	1.42	—	—
North Shields	29.863	39.3	37.7	46.3	34.8	64	1884, 93	15	1889	15	1.74	—	—
Spurn Head	29.880	39.8	38.5	45.0	36.5	[62]*	[1890, 93]	[24]*	[1880]	14	1.24	—	—
Yarmouth	29.904	40.2	38.6	45.3	35.3	62	1884, 89	18	1892	15	1.62	—	—
Loughborough	29.922	38.4	36.8	49.7	33.8	[64]*	[1884, 93]	[16]*	[1883]	13	1.47	116.8	32
Oxford	29.944	38.8	37.3	49.3	34.6	67	1884, 93	15	1891	13	1.49	68.0†	19†
LONDON	29.942	40.1	38.1	50.1	35.3	71	1871	15	1890	13	1.49	—	—

* These values are from observations made during the following periods:—Spurn Head and Loughborough, 20 years, 1881-1900; Malin Head and Blackod Point (Belmullet), 15 years, 1886-1900.
† The Sunshine values are for Westminster. ‡ The values for Portland Bill are for one year only—1900.

VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE

(CONTINUED).

APRIL.

MAY.

JUNE.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871-1900.	TEMPERATURE OF AIR. 1871-1900.								RAINFALL.		BRIGHT SUNSHINE.	
		Means of				Absolute Extremes.				Means for		Means, 1881-1900.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum.	Date.	Minimum.	Date.	1871- 1900.	1886-1900.	Average Duration.	Per cent. of possible.
Sumburgh Head....	(Inches.) 29° 845	42° 1	40° 3	46° 2	36° 9	56	1900	21	1899	17	(Inches.) 2° 06	(Hours.) —	—
Stornoway.....	29° 833	43° 8	42° 3	49° 2	37° 2	67	1893	20	1881	18	2° 51	156° 7	37
Malin Head.....	29° 850	44° 4	42° 6	50° 0	41° 7	[67]*	[1900]	[31]*	[1892]	[17]*	[1° 80]*	—	—
Blacksod Point....	29° 867	46° 7	44° 5	52° 2	42° 6	[71]*	[1893]	[29]*	[1892, 97]	[19]*	[2° 81]*	—	—
Valencia.....	29° 883	48° 6	46° 0	54° 2	43° 1	70	1892	30	1879, 92, 97, 98	18	3° 78	163° 9	40
Roche's Point.....	29° 887	47° 2	45° 0	53° 8	42° 7	72	1893	31	1892	15	3° 10	—	—
Parsonstown.....	29° 890	45° 3	42° 9	54° 9	38° 5	73	1893	21	1892	15	2° 14	151° 1	36
Donaghadee.....	29° 884	45° 0	43° 4	51° 4	40° 5	65	1900	29	1898	15	1° 94	—	—
Liverpool.....	29° 896	45° 3	42° 3	52° 9	40° 6	75	1893	29	1881	14	1° 57	—	—
Holyhead.....	29° 887	46° 1	44° 1	51° 7	42° 1	75	1874, 93	31	1881, 92	14	1° 92	—	—
Pembroke.....	29° 887	45° 7	44° 0	50° 7	42° 3	70	1893	30	1879, 81	15	1° 93	179° 6	44
Scilly.....	29° 888	49° 0	47° 0	52° 6	45° 0	66	1893	32	1876	16	2° 12	—	—
Jersey.....	29° 912	49° 1	46° 3	54° 8	43° 8	84	1874	32	1871, 76, 92, 1900	14	2° 01	193° 8	47
Portland Bill†.....	[30° 087]	[46° 5]	[44° 6]	[51° 8]	[41° 0]	—	—	—	—	[13]	[0° 94]	—	—
Dungeness.....	29° 894	46° 5	44° 3	51° 6	41° 3	69	1873	25	1892	13	1° 37	—	—
Wick.....	29° 853	43° 4	41° 6	49° 4	37° 2	69	1875, 1900	23	1892	16	1° 65	—	—
Nairn.....	29° 857	43° 3	40° 9	51° 6	36° 8	72	1875	21	1892	15	1° 31	—	—
Aberdeen.....	29° 876	43° 7	40° 9	49° 8	38° 0	74	1900	23	1881, 92	17	2° 05	153° 3	36
Leith.....	29° 880	44° 5	41° 9	52° 5	38° 0	75	1875	23	1881	13	1° 44	—	—
North Shields.....	29° 888	43° 8	41° 7	49° 7	38° 5	71	1892	25	1892	14	1° 64	—	—
Spurn Head.....	29° 888	44° 3	42° 5	48° 9	40° 4	[67]*	[1885]	[30]*	[1881, 89]	13	1° 32	—	—
Yarmouth.....	29° 897	44° 9	43° 0	49° 5	40° 0	72	1885	25	1878	15	1° 62	—	—
Loughborough.....	29° 910	44° 1	41° 9	55° 7	37° 8	[81]*	[1893]	[23]*	[1891, 92, 1900]	14	1° 69	—	—
Oxford.....	29° 916	44° 6	42° 3	55° 3	38° 9	80	1893	23	1892	14	1° 61	149° 9	36
LONDON.....	29° 911	46° 3	43° 3	56° 6	39° 9	82	1893	27	1873, 84, 87, 92, 1900	13	1° 65	109° 8†	27†
Sumburgh Head....	29° 896	46° 0	44° 0	50° 2	40° 3	63	1895	27	1877	17	1° 81	—	—
Stornoway.....	29° 904	48° 4	46° 4	53° 5	41° 0	72	1882, 96	27	1876, 77	18	2° 43	189° 7	37
Malin Head.....	29° 927	48° 9	46° 6	54° 2	45° 5	[70]*	[1895]	[35]*	[1886, 91, 97]	[16]*	[2° 14]*	—	—
Blacksod Point....	29° 954	51° 2	48° 3	55° 8	48° 1	[75]*	[1890]	[36]*	[1894]	[18]*	[2° 81]*	—	—
Valencia.....	29° 976	53° 0	49° 7	58° 2	46° 3	74	1884, 95, 97	34	1877, 85, 96	16	3° 02	210° 7	44
Roche's Point.....	29° 975	52° 0	49° 2	58° 6	46° 4	73	1896	36	1879, 86	13	2° 93	—	—
Parsonstown.....	29° 972	51° 0	47° 9	59° 8	42° 8	77	1881, 95	28	1874, 77	15	2° 27	185° 0	38
Donaghadee.....	29° 962	49° 8	47° 6	56° 2	44° 5	70	1896	30	1873	15	2° 19	—	—
Liverpool.....	29° 973	50° 9	47° 0	58° 1	45° 0	80	1895	30	1883	14	1° 86	—	—
Holyhead.....	29° 970	50° 7	48° 1	56° 2	46° 0	74	1895	37	1894	13	1° 84	—	—
Pembroke.....	29° 974	50° 2	48° 1	55° 2	46° 1	72	1890	34	1879	14	1° 96	223° 9	46
Scilly.....	29° 980	52° 8	50° 4	56° 6	48° 4	67	1896	38	1883	13	1° 67	—	—
Jersey.....	29° 997	53° 8	50° 5	59° 7	47° 5	79	1875	33	1871	12	1° 89	240° 4	53
Portland Bill†.....	[29° 984]	[50° 1]	[48° 4]	[56° 1]	[44° 3]	—	—	—	—	[10]	[1° 21]	—	—
Dungeness.....	29° 972	52° 3	49° 4	57° 3	46° 2	76	1892	30	1892	12	1° 35	—	—
Wick.....	29° 916	48° 2	45° 8	53° 9	40° 8	71	1891	24	1876	17	1° 83	—	—
Nairn.....	29° 922	48° 8	45° 8	56° 6	41° 5	78	1888	26	1894	15	1° 66	—	—
Aberdeen.....	29° 936	49° 0	45° 4	54° 8	41° 8	74	1881	29	1884, 91	16	2° 02	191° 0	38
Leith.....	29° 946	50° 2	46° 7	57° 8	42° 4	81	1881	27	1883	14	1° 67	—	—
North Shields.....	29° 955	48° 9	46° 0	54° 5	42° 6	72	1896	29	1871, 91	14	1° 66	—	—
Spurn Head.....	29° 961	49° 4	47° 3	54° 3	45° 0	[75]*	[1883]	[34]*	[1891]	13	1° 58	—	—
Yarmouth.....	29° 969	50° 5	48° 0	55° 2	44° 8	76	1875	32	1891, 92	13	1° 78	—	—
Loughborough.....	29° 984	50° 8	47° 4	61° 6	42° 4	[83]*	[1881, 95]	[25]*	[1892]	14	2° 02	—	—
Oxford.....	29° 991	50° 7	47° 5	60° 9	43° 5	83	1895	28	1877	13	1° 75	196° 3	41
LONDON.....	29° 989	52° 6	48° 4	62° 6	44° 5	86	1880	29	1877, 86, 92	12	1° 69	164° 8†	35†
Sumburgh Head....	29° 903	50° 4	48° 7	54° 5	45° 1	70	1891	33	1888	15	1° 88	—	—
Stornoway.....	29° 898	53° 5	51° 5	58° 5	46° 2	76	1893	31	1888	16	2° 42	183° 7	34
Malin Head.....	29° 934	53° 8	51° 6	59° 1	50° 8	[75]*	[1887, 91, 95]	[40]*	[1888]	[15]*	[2° 21]*	—	—
Blacksod Point....	29° 955	56° 4	53° 4	60° 9	51° 3	[82]*	[1887]	[40]*	[1894]	[17]*	[2° 69]*	—	—
Valencia.....	29° 985	57° 6	54° 6	62° 5	51° 3	81	1887	40	1875, 80, 82	17	3° 36	197° 6	40
Roche's Point.....	29° 986	57° 2	54° 1	64° 2	51° 6	80	1876, 87	41	1881	13	3° 02	—	—
Parsonstown.....	29° 981	56° 4	53° 2	65° 1	48° 8	85	1887	32	1881	15	2° 43	170° 2	34
Donaghadee.....	29° 961	55° 2	53° 1	61° 6	49° 7	77	1887	36	1880	15	2° 18	—	—
Liverpool.....	29° 977	57° 2	53° 0	64° 2	51° 3	85	1878, 93	38	1872	14	2° 07	—	—
Holyhead.....	29° 977	56° 2	53° 6	61° 8	51° 3	83	1878	42	1882	14	1° 99	—	—
Pembroke.....	29° 985	55° 7	53° 7	60° 8	51° 8	79	1893	38	1888	14	1° 93	233° 6	47
Scilly.....	30° 000	57° 7	55° 5	61° 8	53° 4	75	1893	41	1888	14	1° 76	—	—
Jersey.....	30° 021	59° 2	56° 0	65° 2	53° 1	87	1872	39	1890	12	1° 90	246° 6	51
Portland Bill†.....	[29° 969]	[55° 7]	[54° 3]	[61° 3]	[50° 6]	—	—	—	—	[12]	[2° 67]	—	—
Dungeness.....	29° 988	58° 3	55° 3	63° 2	52° 4	77	1878	37	1890, 91, 92, 93	11	1° 34	—	—
Wick.....	29° 920	53° 3	50° 9	58° 9	45° 7	79	1878	30	1881	14	1° 74	—	—
Nairn.....	29° 920	54° 6	51° 2	62° 4	47° 3	86	1876	30	1888	14	1° 77	—	—
Aberdeen.....	29° 937	54° 8	50° 9	60° 9	47° 3	80	1881, 87	30	1888	14	1° 85	187° 9	36
Leith.....	29° 946	56° 0	52° 4	63° 8	48° 2	86	1887	34	1886	14	1° 87	—	—
North Shields.....	29° 959	54° 9	51° 9	60° 7	48° 6	80	1897	37	1881, 86, 95, 98	13	1° 80	—	—
Spurn Head.....	29° 970	55° 5	53° 2	60° 6	51° 3	[80]*	[1885]	[34]*	[1881]	12	1° 60	—	—
Yarmouth.....	29° 981	57° 0	54° 1	62° 1	51° 1	81	1877, 88	37	1896	13	1° 90	—	—
Loughborough.....	29° 991	57° 8	54° 0	66° 8	49° 0	[86]*	[1893]	[32]*	[1895, 96]	12	2° 15	—	—
Oxford.....	29° 997	57° 1	53° 6	67° 4	50° 1	86	1876, 93	35	1892, 93	12	2° 10	194° 9	40
LONDON.....	30° 001	59° 2	54° 7	69° 5	50° 9	91	1878	35	1880	12	1° 93	164° 9†	34†

* These values are from observations made during the following periods:—Spurn Head and Loughborough, 20 years, 1881-1900; Malin Head and Blacksod Point (Belmullet), 15 years, 1886-1900.
† The Sunshine values are for Westminster.
‡ The values for Portland Bill are for one year only—1900.

DAILY WEATHER REPORT

for 8 a.m. on

SUNDAY 1ST FEBRUARY

1903

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

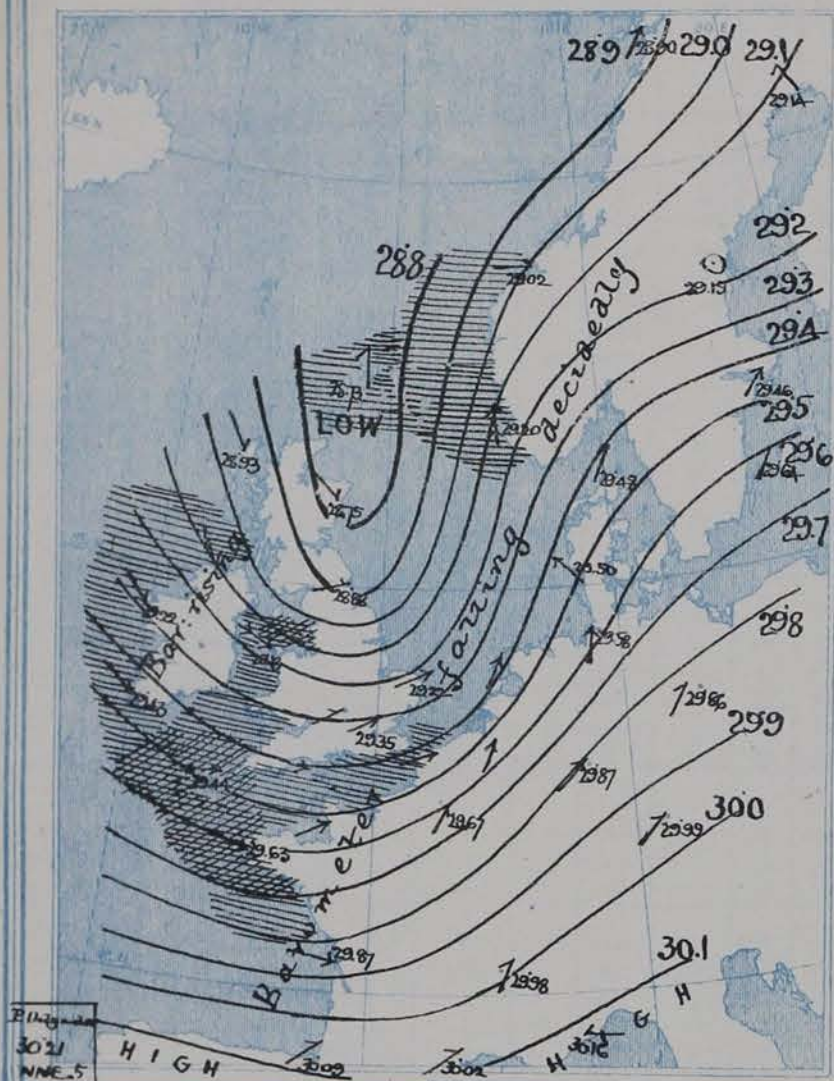
STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.					
		BAROM.		TEMP.		WIND.	Weather.	BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9.)	Weather.	TEMP.		Sun- shine. — Hours	Rainfall. — Ins.	
		At 32° and M.S.L.	Ins.	Dry Bulb.	Direc.			Force (0 to 12.)	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.				Force (0 to 12.)	Max.			Min.
SCANDINAVIA.	Haparanda ...	29.33	9	Z	0	0	29.14	-0.4	23	22	+4	SE	2	0	*	-	?	-4	*	0.08		
	Hernösand ...	29.29	32	Z	0	0	29.19	-1.9	20	19	-9	Z	0	0	*	-	36	19	*	-		
	Stockholm ...	29.53	41	SSW	4	0	29.46	-0.8	38	35	+2	SW	6	0	*	-	41	34	*	-		
	Wisby ...	29.68	39	W	2	0	29.64	-0.1	37	35	0	SSW	4	0	*	-	41	32	*	-		
	Karlstad ...	29.55	40	W	4	0	29.49	-0.6	35	35	0	SSW	6	0	*	-	*	*	*	-		
	Færder (X'iania Fjord)	29.50	37	WSW	6	0	29.40	-0.7	37	37	+1	SSW	6	m	4	-	39	36	*	-		
	Bodö ...	29.02	32	E	5	0	28.90	-2.6	41	40	+8	SSW	5	c	3	-	?	28	*	-		
	Christiansund ...	29.13	42	WSW	4	0	29.02	-1.9	44	38	+9	WSW	2	0	6	-	45	34	*	0.75		
	Skudesnaes ...	29.49	42	SSW	6	0	29.20	-3.3	40	39	-4	S	8	0	6	0	44	39	*	*		
	Sumburgh Head ...	29.05	44	SW	4	0	28.73	-5.2	43	43	-3	S	2	+	5	6.0	46	42	*	0.08		
BRITISH ISLANDS.	Stornoway ...	28.94	46	SW	8	+	28.93	-3.1	35	34	-12	NNW	3	0	3	0.7	50	34	0.0	0.35		
	Malin Head ...	28.99	46	SSW	8	cq	29.01	-4.4	36	35	-9	NW	7	bchq	6	bc,cq	47	36	*	0.18		
	Blacksod Pt. ...	29.16	39	NW	8	rqm	29.22	-1.4	34	32	-12	NW	7	cq,spm	5	pm,rqm	49	32	*	0.39		
	Valencia ...	29.25	40	NW	7	rq	29.43	-1.0	40	36	-7	NW	6	ohq	6	rm,rq	50	35	0.0	0.45		
	Roche's Point ...	29.19	43	S	5	pq	29.38	-2.7	37	36	-11	WNW	5	c	4	c,pq,sq	50	34	*	0.48		
	Parsonstown ...	29.10	46	S	6	+	29.28	-3.0	33	32	-12	WSW	2	c	*	q,p,t	49	32	3.2	0.07		
	Donaghadee ...	29.23	46	SW	4	cq	29.07	-5.7	35	34	-11	SW	4	bcq	3	-	52	33	*	0.13		
	Liverpool Obsy. ...	29.42	44	SSE	3	0	29.16	-6.5	38	35	-5	W	7	bc	7	6,t	50	36	*	0.16		
	Holyhead ...	29.31	47	SSW	8	cq,p	29.18	-5.6	38	36	-8	WNW	8	c	6	rq,cq,p	48	36	*	0.54		
	Pembroke (St. Ann's) ...	29.37	48	S	6	+	29.32	-4.9	41	38	-6	W	7	cq,p	6	rq,p	49	39	2.7	0.27		
GERMANY, &c.	Scilly (St. Mary's) ...	29.34	49	S	8	+	29.44	-3.9	44	42	-4	W	7	0	7	c,t	54	40	4.8	0.29		
	Jersey (St. Aubins) ...	29.81	46	SE	7	cq,m	29.59	-5.1	42	38	-1	WSW	7	om	6	q,cq,m	47	39	0.3	0.16		
	Portland Bill ...	29.63	46	SSW	6	c	29.40	-6.2	39	38	-5	NNW	7	c	6	c,cq	48	38	*	0.12		
	Dungeness ...	29.83	45	SSW	6	bc	29.40	-7.1	43	42	+1	SW	7	bc	4	c,bc	47	37	*	0.04		
	Wick ...	29.05	45	SW	3	bc	28.77	-5.4	37	36	-7	NW	6	+	3	-	48	35	*	0.05		
	Nairn ...	29.07	44	WNW	3	bc	28.85	-5.1	34	34	-11	W	1	bc	1	-	49	32	*	0.42		
	Aberdeen ...	29.21	44	SW	3	bc	28.75	-7.3	38	38	-7	NW	4	S	5	0,bc,s	46	32	3.2	0.74		
	Leith ...	29.26	47	SSW	2	c	28.89	-6.9	34	33	-11	W	3	S	*	-	49	32	*	0.30		
	North Shields ...	29.40	46	SSW	3	c	28.88	-8.3	37	35	-9	WSW	4	cp	3	p,c	49	34	*	0.02		
	Spurn Head ...	29.59	42	S	6	c	29.10	-7.9	40	39	-4	SW	6	bc	4	-	46	38	*	-		
FRANCE.	Yarmouth ...	29.76	44	SSW	4	c	29.22	-8.1	41	38	-4	WSW	5	bc	4	bc,c,q	45	38	*	0.01		
	Loughborough ...	29.55	45	S	5	+	29.34	-6.7	38	35	-3	SW	3	c	*	0,t,tq	48	38	*	0.04		
	Oxford ...	29.74	42	WSW	5	c	29.35	-7.0	44	43	-3	WSW	5	b	*	bc,c,q,t	47	38	0.6	0.11		
	London (Brixton) ...	29.74	42	WSW	5	c	29.35	-7.0	44	43	-3	WSW	5	b	*	bc,c,q,t	47	38	0.6	0.11		
	The Scaw (Skagen) ...	29.67	40	WSW	5	m	29.48	-1.4	37	36	-5	SSW	4	m	1	-	43	36	*	-		
	Fanö ...	29.82	35	SW	4	b	29.50	-4.1	33	32	-5	SE	6	b	0	-	39	?	*	-		
	Cuxhaven ...	29.99	40	SW	3	0	29.58	-4.9	34	33	-7	S	5	b	*	-	41	32	*	-		
	The Helder ...	29.84	36	SSW	3	0	29.32	-7.4	41	35	-2	SSW	5	b	3	-	43	34	*	-		
	Brussels ...	30.10	39	SW	1	0	29.51	-7.2	42	39	+3	SSW	6	c	*	-	43	32	*	-		
	Berlin ...	30.15	31	SW	2	0	29.86	-2.9	31	30	-12	SSW	1	b	*	-	45	28	*	-		
SPAN. PEN.	Frankfurt ...	30.21	28	SE	2	0	29.87	-4.7	30	30	-7	SW	2	0	*	-	41	28	*	-		
	Munich ...	30.21	28	SE	2	0	29.99	-4.0	26	24	+3	SW	3	c	*	-	37	21	*	-		
	C. Gris Nez ...	29.75	41	SSW	4	bc	29.34	-7.6	40	40	0	WSW	6	0	6	-	43	39	*	-		
	Brest ...	29.60	50	S	6	0	29.63	-4.0	40	38	-9	NW	6	c	7	-	50	37	*	0.39		
	Lorient ...	29.65	50	SSW	7	0	29.69	-4.0	44	44	-2	W	6	0	5	-	54	37	*	0.28		
	Rochefort ...	29.99	47	SSE	6	0	29.87	-3.4	46	44	+9	W	7	bc	*	b	52	37	*	0.12		
	Biarritz ...	30.10	54	S	4	0	30.09	-2.1	49	48	0	SW	4	0	3	-	57	46	*	0.32		
	Paris ...	30.03	39	SSE	2	0	29.67	-6.4	43	40	+13	SW	5	b	*	-	43	30	*	-		
	Belfort ...	30.18	34	WSW	2	m	29.87	-5.4	37	33	+14	SSE	2	0	*	-	39	23	*	-		
	Lyons ...	30.21	44	S	2	0	29.98	-4.8	45	41	+15	SSW	4	0	*	-	50	30	*	-		
Nice ...	30.34	45	E	2	0	30.16	-3.1	42	39	+2	E	2	0	2	-	50	40	*	-			
Perpignan ...	30.21	46	S	1	0	30.02	-3.6	35	35	-3	SW	1	b	*	-	58	34	*	-			
SPAN. PEN.	Corunna ...	30.21	56	SSW	5	bc	30.34	+1.1	49	47	0	NW	3	b	*	-	59	49	*	0.12		
	Lisbon ...	30.40	54	ENE	3	0	30.43	+2.2	55	50	-1	ENE	4	0	3	-	59	52	*	-		
	Azores (P. Delgada) ... (Horta)	30.41	55	NE	4	0	30.41	+1.6	55	49	0	ENE	2	bc	2	-	59	52	*	-		

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

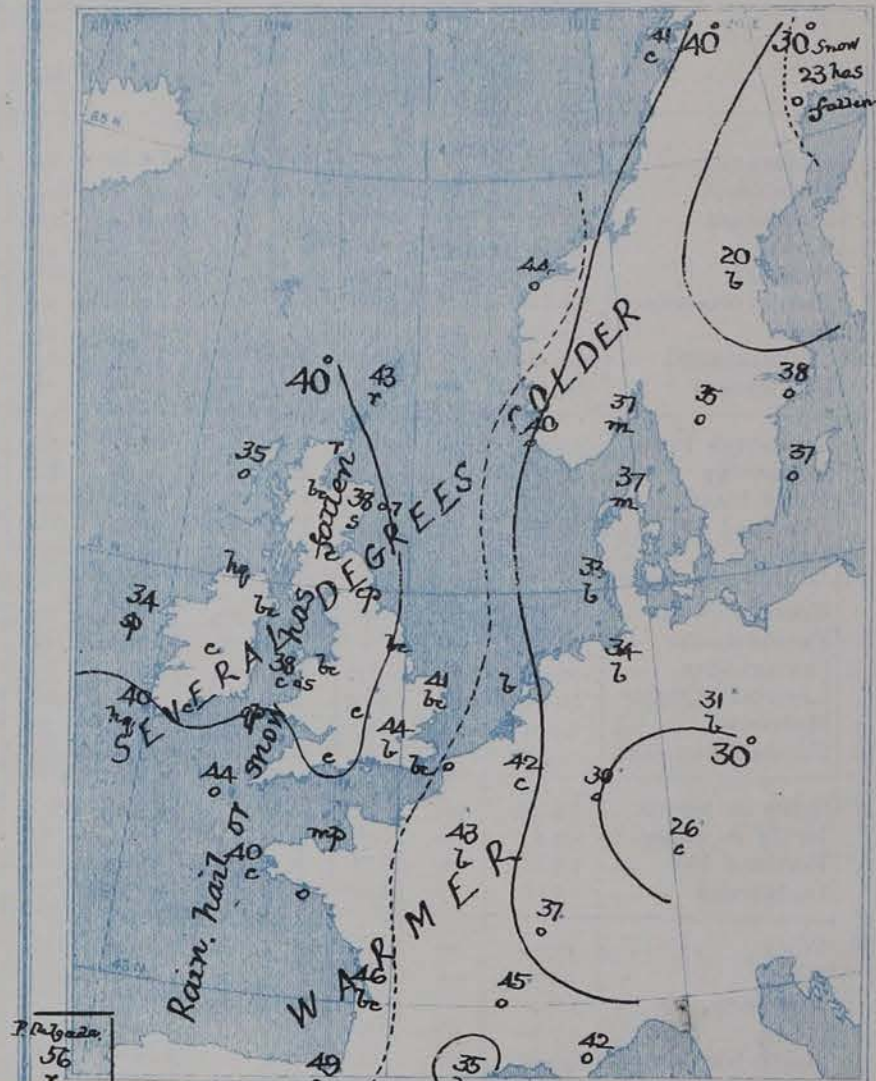
* Observations for this column not generally received.

+ Observations received too late for insertion in Charts on next page

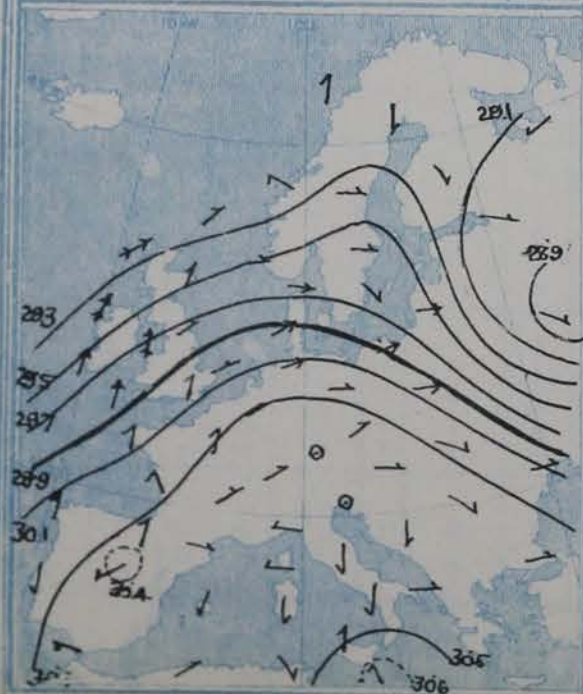
FOR Sunday, 1st February, 1903.



TEMPERATURE.—Isotherms are drawn for each 10°. WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)



Yesterday morning



Specimen (for Stornoway)	Average N ^o of	2.2
	Hours daily	
	Total Possible	9.2



The map displays the North Sea region with isotherms for 30°C, 35°C, and 40°C. Latitude lines are marked at 30°, 35°, and 40° North. Longitude lines are marked at 0° and 10° West. Isotherms are shown as solid lines for 30°C and 35°C, and a dashed line for 40°C. Numerous temperature data points are plotted, including 29.0, 31.7, 35.8, 37.6, 37.9, 38.0, 38.2, 38.3, 38.8, 38.9, 39.1, 40.0, 41.0, 41.4, 42.2, 42.3, 42.5, 44.3, 44.8, 45.0, and 46.1. Some points are enclosed in dashed circles, such as 36.8, 36.3, 36.4, and 36.5.

GENERAL SITUATION AT 8 A.M.

PRESSURE

A new cyclonic disturbance - apparently of considerable depth - is approaching our western coasts, and the barometer is now falling over Western Europe generally. In the west and north of Ireland the fall is very brisk, and the gradients over North-western Europe, which are already rather steep, are consequently increasing quickly over all our western districts. The highest pressures, 30.4 in. and upwards, are reported over the east and south of France, while the lowest, 29.2 in. and less, are found in the north of Scandinavia; in Sweden and the north of Norway, however, the barometer is at present rising.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind has backed to the S^W on all our western coasts, and has increased to a moderate or fresh gale, with equally showery weather. Over all the more eastern and central parts of our Islands the wind is at present moderate from the S.W. and the weather fine, but in Scandinavia, Denmark and Germany where the wind varies between W. and S.W., the sky is cloudy or overcast, with rain at Wisby and snow on the west coasts of Norway. In France light to moderate breezes from S. or S.E. are reported, with fine weather on the coasts, but with mist or fog at the inland stations. Temperature has fallen over the greater part of our area, but in these islands the change has been slight, so that the readings are still above the average; at most of our western and northern stations the thermometer stands at or slightly above 45°, but in the central and south-eastern parts of England the readings are very little above 40°. Frost still prevails over Central France and South Germany, the lowest reading reported in those countries being 23° at Belfort and Munich. The sea is very high at Stornoway and rough on our western and northern coasts generally.

During yesterday the thermometer rose to 50° or slightly above it in many parts of the United Kingdom and to 54° at Aberdeen. The amount of bright sunshine was generally small; at several of our western and northern stations there was none. Rain fell in the west and extreme north of our Islands generally - rather heavily in the Shetlands and Hebrides.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The cyclonic system in the west will probably travel north-eastwards, but will spread sufficiently over the United Kingdom to produce gales and rains in all districts. The cool, dry air, at present reported over England, is likely to give way, temporarily, to a milder and more humid current from the south-westward.

FORECASTS *

For the 24 hours ending at NOON on 1st February, 1903

DISTRICTS.		FORECASTS.	DISTRICTS.		FORECASTS.
0 न	{ SCOTLAND NORTH	{ S ^W winds, increasing to a gale; fair at first, then squally and rainy.	6 न	{ SCOTLAND WEST	{ S ^W to S.W ^W or W ^W gales and strong winds, squally and rainy at first, improving temporarily later.
1 न	{ SCOTLAND EAST		7 न	{ ENGLAND N.W.	
2 न	{ ENGLAND N.E.		8 न	{ ENGLAND S.W.	
3 न	{ ENGLAND EAST	9 न	{ IRELAND NORTH		
4	{ MIDLAND COUNTIES	10 न	{ IRELAND SOUTH		
5 न	{ ENGLAND SOUTH	{ S ^W to S.W ^W winds, increasing to a gale; fair at first, dull and squally later, with some rain.	WARNINGS		{ At 3.15 p.m. yesterday to districts 0 and 6, at 7.15 p.m. to districts 3, 5 and 8, and at 9.45 a.m. to-day to districts 1, 2, 7 and 9, Hoist South Cone. The signals are now flying on all coasts.

Note.—The South Cone, point downwards ($\overline{\pi}$), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
The North Cone, point upwards (π), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

* For terms for transmission of Forecasts by Telegraph, see next page

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.				THIS MORNING 8 A.M.							PAST 24 HOURS.				
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer. Ins. Change.	Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	b	*	o,c	48	41	0.8	-
Newton Reigny (Penrith)	29.92	46	SW 4	c	29.70 -22	42	41	-3	SE	o	*	ogg†	47	42	0.0	0.02
Bath	30.25	48	W 4	o	29.96 -34	43	41	-2	SE	o	*	-	49	42	1.0	-

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m....	47	46	c	0.0	-	Eastbourne,	*	*	*	2.4	*
Rhyl,	*	*	*	0.0	*	Hastings	*	*	*	1.7	*
Llandudno	*	*	*	2.6	*	Lowestoft, to 6 p.m.	48	43	c, o, c	0.4	-
Aberystwyth, to 6 p.m.	47	45	o, c	0.0	0.05	Harrogate, to 6 p.m.	48	45	c	0.0	-
Plymouth, to 9 p.m....	49	45	o, p, o, q	0.4	0.03	Manchester, to 9 p.m.	50	45	ou, bc	0.0	-
Worthing	*	*	*	0.4	*	Darwen, to 9 p.m. ...	46	42	g, o, ou	0.0	-
Brighton	*	*	*	0.5	*	Birmingham, to 9 p.m.	48	43	o, c	0.0	-

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
30.1.03									
Madeira (Funchal) ...	50	46	bc c	Ins.	Algiers	61	48	b b	Ins.
Madrid	50	37	o c	-	Tunis ... ..	...	...	...	...
Corsica (I. Sanguinaires) ...	59	48	f b	-	Vienna	43	41	c c	-
Rome	54	34	bc b	-	St. Petersburg... ..	37	23	o o	-
Florence	51	37	o m	-	Utrecht	49	43	o o	Measured 7 a.m.
Trieste	48	36	m m	-	Lugano	41	-	b	-
Naples	53	46	o b	-	Davos	34	-	b	-
Palermo	62	45	o o	-	Lucerne	43	-	b	-
Malta	60	53	? o	-	Lausanne	45	-	b	-

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.
* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium, Holland	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.
Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.		

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

31.1.1903	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	h. m. 7.40	h. m. 12.7	h. m. 4.34
Greenwich	7.43	12.14	4.45
Wick	8.24	12.26	4.28
Valencia	8.26	12.55	5.24

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom Sixpence in addition to the cost of the inquiry and reply Telegrams. Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† Except at Oxford, where the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on

MONDAY 2ND FEBRUARY.

1903

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.						
		BAROM.		TEMP.		WIND.	Force (0 to 12.)	Weather.	BAROMETER.		TEMPERATURE.			WIND.		Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	TEMP.		Sun- shine Hours	Rainfall Ins.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Change since Yester- day.				Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Max.	Min.									
															Ins.					Ins.	°		
SCANDINAVIA.	Haparanda	29.06	26	SSW	2	o	29.10	-0.04	26	25	+3	SW	2	o	*	-	30	9	*	-			
	Hernösand	29.22	17	Z	o	b	29.19	0.00	33	22	+13	Z	o	o	*	-	33	16	*	-			
	Stockholm	29.40	34	Z	o	b	29.40	-0.06	33	32	-5	SW	2	b	*	-	41	32	*	-			
	Wisby	29.49	35	SSE	2	b	29.42	-0.22	34	33	-3	SW	2	o	*	-	39	30	*	-			
	Karlstad	29.33	35	SSW	2	S	29.37	-0.12	34	33	-1	SSW	2	o	*	-	39	30	*	-			
	Færder (X'ianla Fjord)	29.21	38	S	4	o	29.24	-0.16	36	35	-1	S	6	o	4	-	38	34	*	-			
	Bodö	28.93	44	SW	5	o	28.89	-0.01	39	37	-2	SW	5	o	3	-	44	37	*	-			
	Christiansund	28.99	45	WSW	3	+	29.15	+0.13	38	36	-6	NNW	4	+	5	-	45	34	*	0.35			
	Skudesnaes	28.89	39	S	10	+	29.03	-0.17	37	36	-3	N	6	o	5	+	41	36	*	*			
	Sumburgh Head																						
BRITISH ISLANDS.	Stornoway	29.19	37	NNW	5	o	29.86	+0.33	35	34	o	NNW	3	chg	3	hp, o	40	33	1.4	0.09			
	Malin Head	29.29	41	N	8	chg	29.97	+0.96	39	37	+3	NNW	7	bc	6	c, chg	41	36	*	0.07			
	Blacksod Pt.	29.56	39	NNW	6	chg	30.12	+0.90	43	38	+9	NW	3	bc	4	c, chg	43	32	*	0.23			
	Valencia	29.62	42	NNW	6	chg	30.20	+0.77	43	39	+3	N	2	o	4	o, chg	44	35	1.7	0.13			
	Roche's Point	29.53	38	NW	6	b	30.15	+0.77	38	37	+1	NW	2	b	2	spg, bc, b	40	35	*	0.05			
	Parsonstown	29.47	36	NNW	7	c	30.12	+0.84	34	32	+1	SE	1	c	*	spg, c	37	32	0.8	0.09			
	Donaghadee	29.25	38	N	3	csp	29.96	+0.89	42	38	+7	NNE	4	cq	3	-	42	32	*	0.04			
	Liverpool Obsy.	29.25	38	N	5	o	29.94	+0.78	38	35	o	NNW	4	b	4	r, sp, o	40	34	*	0.04			
	Holyhead	29.24	38	WNW	8	cq	29.95	+0.77	42	38	+4	NW	7	bc	5	c, cq, r	42	36	*	0.04			
	Pembroke (St. Ann's)	29.39	41	WNW	6	bc	30.02	+0.70	41	38	o	NNW	6	cq	5	hp, bc, q	46	37	1.5	0.02			
GERMANY, &c.	Scilly (St. Mary's)	29.49	44	WNW	6	c	30.03	+0.59	40	37	-4	NNW	6	chp	6	shp, c	44	36	2.1	0.04			
	Jersey (St. Aubins)	29.52	40	WSW	6	cq	29.92	+0.33	41	37	-1	NNW	5	bc, hp	5	cq, r, c	44	37	0.7	0.35			
	Portland Bill	29.39	40	WNW	6	cq	29.89	+0.49	39	36	o	NNW	5	bc	4	cq	43	37	*	0.01			
	Dungeness	29.39	41	WSW	5	bc	29.80	+0.40	30	30	-13	N	2	bm	1	cq, bc, q	44	28	*	0.04			
	Wick	28.98	37	NW	8	+	29.70	+0.93	36	35	-1	N	5	o	3	-	38	34	*	0.50			
	Nairn	29.11	36	NW	4	o	29.81	+0.96	35	34	+1	NW	2	o	2	-	38	32	*	0.05			
	Aberdeen	29.01	37	WNW	6	o	29.74	+0.99	36	33	-2	NW	4	bc	4	-	38	32	0.0	0.17			
	Leith	29.12	37	N	2	c	29.83	+0.94	37	34	+3	NW	3	b	*	-	40	32	*	0.07			
	North Shields	29.14	37	WSW	3	bc	29.75	+0.87	37	34	o	NNW	3	c	3	-	40	32	*	-			
	Spurn Head	29.25	36	WSW	4	b	29.74	+0.64	37	36	-3	NNW	6	bc	4	sp, b	42	34	*	0.02			
FRANCE.	Yarmouth	29.30	40	WSW	4	bc	29.71	+0.49	33	32	-8	WNW	4	bc	3	bc	43	28	*	-			
	Loughborough																						
	Oxford	29.39	34	SW	2	b	29.89	+0.55	34	32	-4	NNW	2	b	*	b	44	32	*	-			
	London (Brixton)	29.36	34	WNW	2	bc	29.83	+0.48	33	31	-11	NW	3	bm	*	bc, shp, b	44	30	2.8	0.07			
	The Scaw (Skagen)	29.25	37	SSW	4	m	29.23	-0.25	37	36	o	SSW	5	m	1	-	39	36	*	-			
	Fanö	29.34	35	SE	4	b	29.36	-0.14	37	35	+4	SSW	8	+	*	-	37	30	*	-			
	Cuxhaven	29.42	38	S	2	o	29.55	-0.03	35	34	+1	SW	3	o	*	-	41	34	*	0.12			
	The Helder	29.33	38	SW	4	o	29.61	+0.29	38	38	-3	WNW	3	b	2	-	43	32	*	0.08			
	Brussels		*	*	*	*	29.72	+0.21	32	32	-10	N	1	c	*	-	43	31	*	0.04			
	Berlin	29.62	39	SSW	2	o	29.62	-0.24	34	33	+3	S	2	c	*	-	43	30	*	-			
SPAN. PEN.	Frankfurt	29.61	40	SW	2	o	29.59	-0.28	36	35	+6	S	2	f	*	-	40	30	*	0.12			
	Munich	29.75	32	Z	o	c	29.56	-0.43	32	32	+6	Z	o	s	*	-	43	25	*	0.04			
	C. Gris Nez	29.39	40	SW	5	o	29.75	+0.41	36	35	-4	N	4	bc	4	-	?	?	*	0.63			
	Brest	29.57	41	NW	4	o	29.96	+0.33	42	37	+2	NNW	6	b	5	-	48	36	*	0.16			
	Lorient	29.57	41	NW	6	o	29.90	+0.21	41	41	-3	NW	4	bc	5	-	46	36	*	0.12			
	Rochefort	29.67	44	NW	6	+	29.84	-0.03	40	38	-6	N	6	o	*	-	50	37	*	0.16			
	Biarritz	29.94	45	SW	7	+	29.93	-0.16	42	42	-7	N	5	+	7	+	55	?	*	0.12			
	Paris	29.56	40	SW	3	c	29.73	+0.06	34	33	-9	NNW	3	o	*	-	45	33	*	-			
	Belfort	29.70	38	WSW	2	o	29.54	-0.33	32	32	-5	Z	o	s	*	-	40	32	*	0.12			
	Lyons	29.81	41	S	1	o	29.68	-0.30	35	32	-10	NW	2	o	*	-	46	34	*	0.08			
Nice	29.90	43	E	1	o	29.52	-0.64	38	35	-4	Z	o	o	4	-	50	37	*	0.35				
Perpignan	29.92	47	N	2	o	29.63	-0.39	41	37	+6	NW	3	o	*	-	56	35	*	-				
SPAN. PEN.	Corunna																						
	Lisbon	30.39	51	N	3	bc	30.34	0.00	52	51	+3	NW	4	+	*	-	55	49	*	-			
	Azores (P. Delgada)	30.44	57	ESE	5	o	30.37	-0.06	59	57	+4	SE	5	o	4	-	61	55	*	-			
" (Horta)	30.37	60	SE	5	bc	30.27	-0.14	60	59	+5	SE	5	o	4	-	61	55	*	-				

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

* Observations for this column not generally received.

+ Observations received too late for insertion in Charts on next page.

WEATHER CHARTS

FOR MONDAY, 2nd FEBRUARY, 1903.

I. BAROMETER, WIND AND SEA. This Morning.

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 →

Force 5 to 7 →

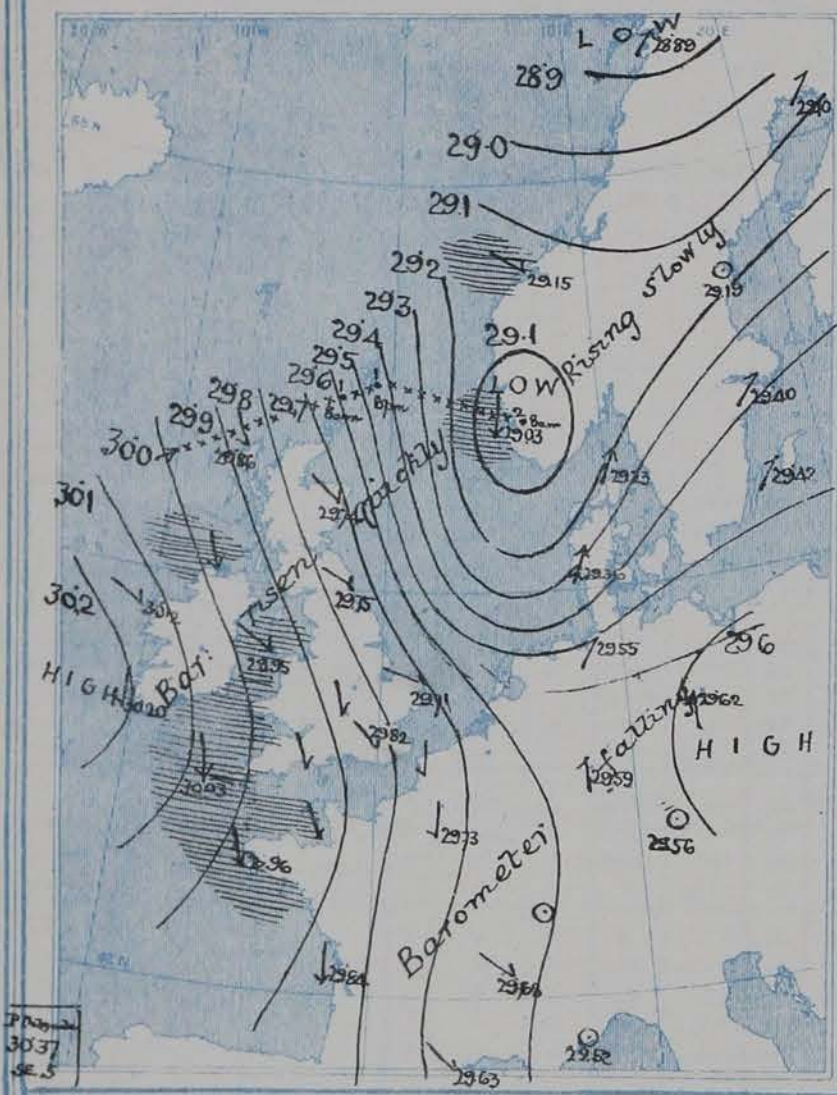
Calm ☉

Force 8 to 10 →

Force 1 to 4 →

SEA.—Rough

High



II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus — 0.6



III. BAROMETER AND WIND

Yesterday morning



IV. Means of Daily Recorded BRIGHT SUNSHINE (1881-1900), together with Means of Possible Duration for FEBRUARY.

Specimen (for Stornoway) { Average N° of Hours daily 2.2 }
{ Total Possible 9.2 }



V. Means of DAILY TEMPERATURE

at 8 A.M. for the Twomonthly period JANUARY-FEBRUARY (1871-1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The disturbance which was approaching our Islands yesterday now proves to be a deep "V" shaped system. Its centre, where the barometer is as low as about 28.7 ins., is shown between the Orkneys and Shetlands, where the mercury is still falling. The highest pressures, above 30.3 ins., are now found over the southern portion of the Iberian Peninsula. The barometer has begun to rise again at our western and southern stations, but continues to fall elsewhere, — quickly to the eastward of the North Sea.

WIND

The wind has veered to the N.W.nd in the north and west, and to the W.nd in the south, but draws into S.W. over the east of England and into S. on the eastern shores of the North Sea. It still blows strongly over the Bay of Biscay and northwestern Europe generally; at Holyhead and Skudesnaes it has the force of a fresh gale.

TEMPERATURE

Temperatures have fallen over our Islands and Germany, risen over the greater part of France and in the west of Norway. Readings range from 44° at Scilly and in London to 34° at Naïm and Leith, and to 33° at Parsonstown, and over the Continent from 49° at Biarritz and Lisbon and 44° at Christiansund to 26° at Munich, and to 20° at Heröland.

WEATHER

The sky has cleared in many parts of our Islands, as well as in Holland and North Germany, but over our area as a whole it is very cloudy or dull. Hail, snow or rain prevails at some of our northern and western stations.

AND

The sea is high at Liverpool, Scilly, and Brest, rough in the north, west, and south generally. During yesterday and in the night severe gales from the S.th were felt on most parts of our western and southern coasts, and at Scilly a whole gale was subsequently experienced from the N.W.th.

SEA

Maximum temperatures of about 50° were again recorded in most parts of our Islands, but during the night the thermometers in the screen descended to 32° at several Scotch and Irish stations. Rain fell very generally over the west of France, England, and Ireland and also in the west of Norway, while in Scotland falls of rain, sleet, or snow occurred. At Aberdeen as much as 0.74 in. has been measured. Lightning was observed during the night at Holyhead. Very little or no bright sunshine was recorded on our extreme west and northwest coasts, but at Scilly there was 4.5 hrs., at Hastings 3.8 hrs., and at Parsonstown and Aberdeen 3.2 hrs.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS *

For the 24 hours ending at NOON on 2ND FEBRUARY. 1903

DISTRICTS.

FORECASTS.

- 0. $\overline{\pi}$ SCOTLAND NORTH
- 1. π SCOTLAND EAST
- 2. π ENGLAND N.E.
- 3. π ENGLAND EAST
- 4. MIDLAND COUNTIES
- 5. π ENGLAND SOUTH

None issued.

DISTRICTS.

FORECASTS.

- 6. π SCOTLAND WEST
- 7. π ENGLAND N.W.
- 8. π ENGLAND S.W.
- 9. π IRELAND NORTH
- 10. π IRELAND SOUTH

None issued.

WARNINGS

At 2.40 p.m. yesterday to Dist. 10 and part of 8 "North South Cone". The Signals are still flying on all coasts.

Note.—The South Cone, point downwards ($\overline{\pi}$), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
The North Cone, point upwards (π), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

* For terms for transmission of Forecasts by Telegraph, see next page

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.				THIS MORNING 8 A.M.									PAST 24 HOURS.			
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet.	Change.					Max. °	Min. °		
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	bc	*	6	48	29	4.8	0.03
Newton Reigny (Penrith)												*					
Bath	29.66	42	SW 5	0	29.38	-58	37	36	-6	SW 4	bc	*	-	50	36	1.0	0.21

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m....	51	42	o.c. or q.	1.6	0.01	Eastbourne,	*	*	*		*
Rhyl,	*	*	*	2.0	*	Hastings	*	*	*	3.8	*
Llandudno	*	*	*	1.0	*	Lowestoft, to 6 p.m.	*	*	*		*
Aberystwyth, to 6 p.m.	47	44	o.c.	3.0	0.08	Harrogate, to 6 p.m.	47	42	c	0.9	*
Plymouth, to 9 p.m....	50	46	ohp	1.8	0.33	Manchester, to 9 p.m.	47	43	ou, bc, q.	1.2	0.02
Worthing	*	*	*	2.3	*	Darwen, to 9 p.m. ...	44	39	c, or, om	0.0	0.03
Brighton	*	*	*	*	*	Birmingham, to 9 p.m.	47	41	c, r, o	0.1	0.03

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 31.1.03	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal) ...	64	48	b o	Ins.	Algiers	64	50	b o	Ins.
Madrid	52	34	o o	—	Tunis	59	43	bc o	—
Corsica (I. Sanguinaires) ...	57	46	m f	—	Vienna	46	36	b b	—
Rome	53	34	b c	—	St. Petersburg... ..	34	23	o o	0.20 Measured 7 a.m.
Florence	51	37	bc m	—	Lugano 30.1.03	41	—	b	—
Trieste	39	36	m o	—	Davos	30	—	b	—
Naples	55	46	b o	—	Lucerne	37	—	b	—
Palermo	62	41	b b	—	Lausanne	37	—	b	—
Malta	61	52	? c	—					

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.
* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium, Holland	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.
Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris) ...	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal	8 a.m. (Lisbon) ...	8.36 a.m.		

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

1. Feb., 1903	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	7.38	12.7	4.36
Greenwich	7.41	12.14	4.47
Wick	8.21	12.26	4.31
Valencia	8.25	12.55	5.25

SUBSCRIPTIONS both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.

" Weekly " " " £1 10 0 " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom Sixpence in addition to the cost of the inquiry and reply Telegrams. Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† Except at Oxford, where the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on

TUESDAY 3RD FEBRUARY

1903

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather.	Barometer.		Temperature.			Wind.		Sea (0 to 9.)	Weather.	Time.		Sun- shine. Hours	Rainfall. Ins.		
		At 32° and M.S.L.	Dry Bulb.	Dirac.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dirac.	Force (0 to 12.)			Max.	Min.				
		Ins.	°				Ins.	Ins.	°	°											
SCANDINAVIA.	Haparanda ...	28.91	28	SW	4	S	29.14	+0.4	22	21	-4	NW	4	b	*	-	32	19	*	0.12	
	Hernösand ...	29.23	14	Z	0	0	29.52	+3.3	31	30	-2	W	4	b	*	-	36	18	*	-	
	Stockholm ...	29.47	35	SW	2	0	29.64	+2.4	28	28	-5	W	2	b	*	-	39	28	*	-	
	Wisby ...	29.54	34	Z	0	b	29.65	+2.3	34	33	0	NNW	2	o	*	-	39	28	*	-	
	Karlstad ...	29.52	33	Z	0	0	29.73	+3.6	24	?	-10	Z	0	b	*	-	*	*	*	0.04	
	Färder (X'ania Fjord)	29.48	34	N	2	b	29.76	+5.2	31	29	-5	WSW	2	bc	2	-	36	30	*	0.43	
	Bodö ...	29.21	36	N	4	S	29.42	+5.3	33	31	-6	W	4	c	2	-	39	30	*	?	
	Christiansund ...	29.50	37	W	5	c	29.71	+5.6	36	32	-2	WSW	6	s	5	-	38	34	*	0.39	
	Skudesnaes ...	29.69	37	NNW	6	c	29.86	+8.3	35	34	-2	E	2	ots	2	c	39	34	*	*	
BRITISH ISLANDS.	Sumburgh Head	29.81	36	NW	3	o	29.66		47	46		WNW	4	o	b	o	47	32	*	0.12	
	Stornoway ...	29.86	41	SW	4	+	29.87	+0.1	48	47	+13	WSW	5	o	5	+	48	34	1.6	0.10	
	Malin Head ...	30.05	43	W	5	tm	30.09	+1.2	45	45	+6	WSW	6	op	4	o,tm	45	39	*	0.18	
	Blacksod Pt. ...	30.15	48	WSW	4	cpm	30.17	+0.5	47	46	+4	SW	5	bc,pm	4	o,cpm	48	40	*	0.04	
	Valencia...	30.30	47	SW	1	om	30.32	+1.2	47	46	+4	SW	3	om	4	c,om	50	43	1.8	0.01	
	Roche's Point ...	30.30	46	W	2	o	30.33	+1.8	45	45	+7	W	2	bc	2	b,o	47	38	*	0.02	
	Parsonstown ...	30.23	45	W	1	o	30.27	+1.5	45	44	+11	WSW	1	cm	*	o	46	33	3.3	0.01	
	Donaghadee ...	30.15	41	WSW	2	o	30.13	+1.7	46	45	+4	WSW	2	o	3	-	46	37	*	0.01	
	Liverpool Obsy.	30.19	41	NW	4	c	30.23	+2.9	45	44	+7	W	5	bc	4	c	46	38	*	-	
GERMANY, &c.	Holyhead ...	30.22	43	W	3	om	30.22	+2.7	46	46	+4	WSW	3	odp	2	bc,om	46	38	*	0.03	
	Pembroke (St. Ann's)	30.27	43	NW	4	bc	30.30	+2.8	47	46	+6	W	5	og	4	bc,og	47	40	5.9	-	
	Scilly (St. Mary's)...	30.29	46	NW	4	c	30.38	+3.5	49	47	+9	W	4	c	4	c	49	37	5.7	-	
	Jersey (St. Aubins)...	30.26	42	NW	4	bcm	30.44	+5.2	44	43	+3	WNW	3	o	3	b, bcm	46	36	6.3	-	
	Portland Bill ...	30.25	41	NW	5	bc	30.38	+4.9	45	45	+6	WSW	4	c	4	bc	45	39	*	-	
	Dungeness ...	30.14	35	NNW	2	b	30.31	+5.1	40	39	+10	NW	4	o	1	b	41	29	*	-	
	Wick ...	29.90	40	N	4	o	29.81	+1.1	46	45	+10	NW	3	o	2	-	46	34	*	0.10	
	Nairn ...	29.95	36	NW	2	o	29.92	+1.1	46	45	+11	Z	0	c	1	-	47	34	*	-	
	Aberdeen ...	30.00	34	WSW	2	b	29.93	+1.9	43	40	+7	WSW	2	bc	2	bc, b	43	33	3.5	-	
FRANCE.	Leith ...	30.04	39	W	1	c	30.04	+2.1	47	45	+10	WSW	3	c	*	-	47	35	*	-	
	North Shields ...	30.03	40	NW	3	bc	30.07	+3.2	45	44	+8	WSW	3	ew	2	b, bc	45	35	*	-	
	Spurn Head ...	30.09	38	NW	5	bc	30.13	+3.9	41	41	+4	WSW	4	c	4	-	42	35	*	-	
	Yarmouth ...	30.03	39	WNW	5	c	30.18	+4.7	37	36	+4	W	3	cm	3	c	40	29	*	0.02	
	Loughborough ...																				
	Oxford ...	30.27	37	NW	2	c	30.32	+4.3	41	40	+7	SW	2	o	*	b, c, o	42	33	*	-	
	London (Brixton)	30.18	39	NNW	2	b	30.30	+4.7	38	36	+5	W	2	cm	*	b, df, d	42	30	3.9	0.02	
	The Scaw (Skagen)	29.45	38	Z	0	m	29.77	+5.4	36	35	-1	NNW	1	b	o	-	41	28	*	0.04	
	Fanö ...	29.69	38	NW	5	b	29.96	+6.0	36	36	-1	NW	2	c	*	-	39	34	*	0.08	
SPAN. PEN.	Cuxhaven ...	29.66	39	WSW	5	b	30.04	+4.9	37	35	+2	NW	3	o	*	-	39	35	*	-	
	The Helder ...	29.93	40	NW	4	b	30.16	+4.5	39	38	+1	WSW	2	o	3	-	41	37	*	0.04	
	Brussels...	*	*	*	*	*	30.33	+6.1	33	32	+1	SW	2	o	*	-	41	31	*	0.04	
	Berlin ...	29.76	35	WSW	4	o	29.94	+3.2	35	34	+1	W	4	+	*	-	41	34	*	-	
	Frankfurt ...	30.03	36	N	2	c	30.25	+6.6	36	33	0	W	2	b	*	-	45	36	*	-	
	Munich ...	29.93	33	W	3	S	30.23	+6.7	30	29	-2	W	4	S	*	-	34	30	*	0.43	
	C. Gris Nez ...	30.12	40	NNW	5	b	30.28	+5.3	38	36	+2	W	4	bc	4	-	43	36	*	-	
	Brest ...	30.32	44	N	5	b	30.46	+5.0	45	42	+3	NW	2	b	3	-	46	41	*	-	
	Lorient ...	30.29	45	N	4	c	30.49	+5.9	42	41	+1	NNW	2	b	4	-	46	39	*	-	
Rochefort ...	30.21	43	N	5	bc	30.45	+6.1	38	37	-2	N	3	b	*	c, bc	46	36	*	-		
SPAN. PEN.	Biarritz ...	30.23	48	N	6	bc	30.52	+5.9	37	36	-5	E	3	b	5	-	50	36	*	0.20	
	Paris ...	30.15	38	N	3	b	30.41	+6.8	28	28	-6	SW	1	b	*	-	42	28	*	-	
	Belfort ...	29.99	35	WSW	2	o	30.34	+8.0	27	27	-5	WSW	2	m	*	-	39	25	*	0.28	
	Lyons ...	30.02	35	NNW	3	S	30.36	+6.8	34	32	-1	N	3	o	*	-	36	32	*	0.04	
	Nice ...	29.55	43	Z	0	o	29.80	+2.8	45	35	+7	SE	4	b	4	-	50	38	*	-	
	Perpignan ...	29.90	41	NW	6	o	30.21	+5.8	39	34	-2	NW	7	b	*	-	47	38	*	-	
	Corunna ...																				
	Lisbon ...																				
	Azores (P. Delgada)																				
(Horta.)	30.23	61	S	5	+	30.19	-0.8	59	58	-1	SW	1	o	2	-	61	57	*	0.67		

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

* Observations for this column not generally received.

+ Observations received too late for insertion in Charts on next page

WEATHER CHARTS

FOR *Tuesday, 3rd February, 1903.*

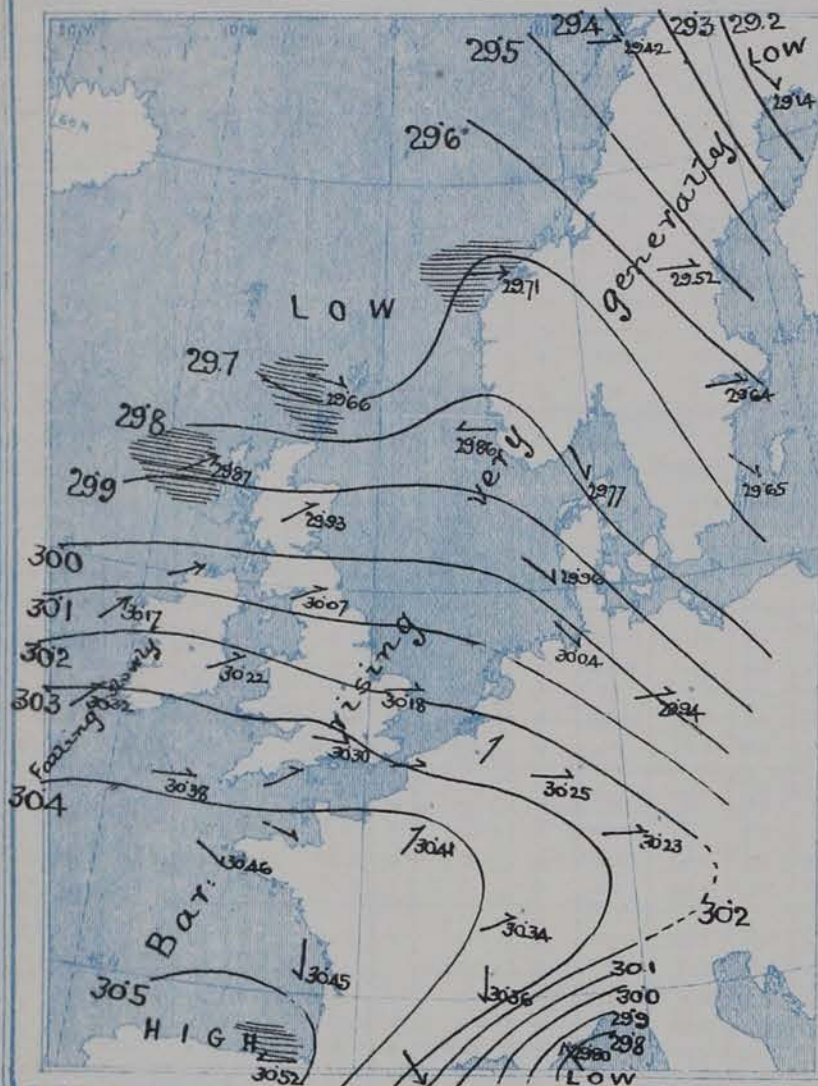
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Direction and Force, flying with the wind.

Force above 10 → Force 5 to 7 → } Calm ○
Force 8 to 10 → Force 1 to 4 → }

SEA.—Rough High

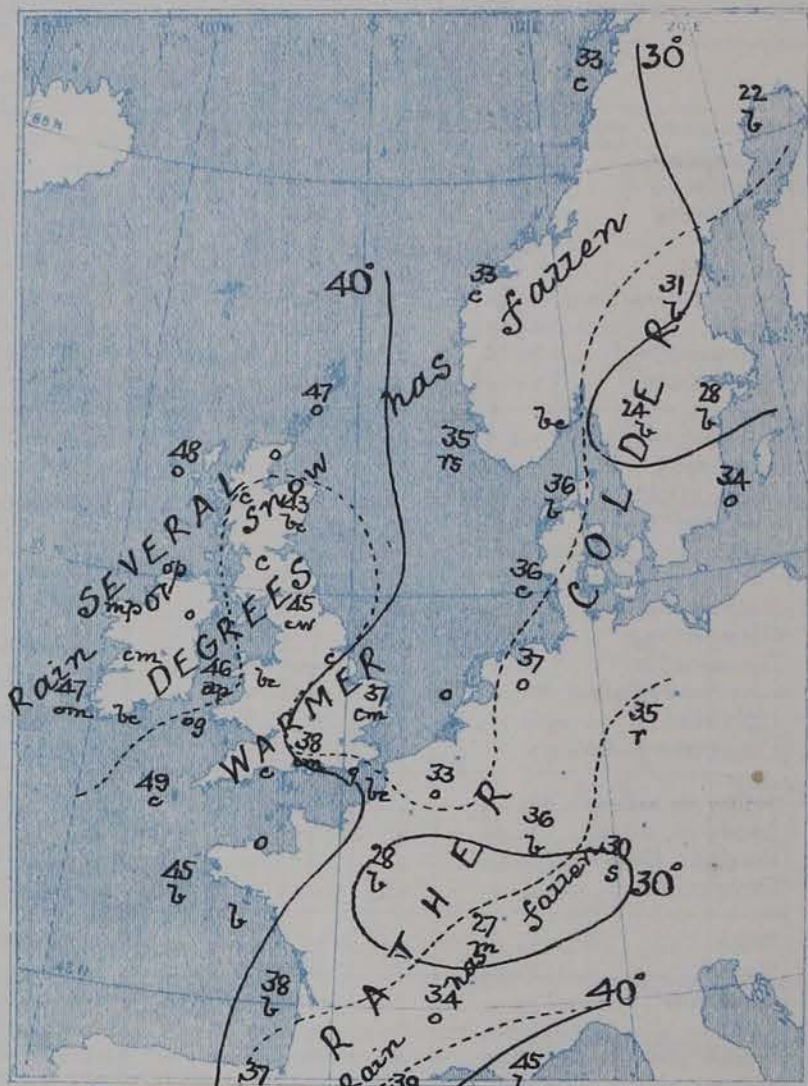


II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

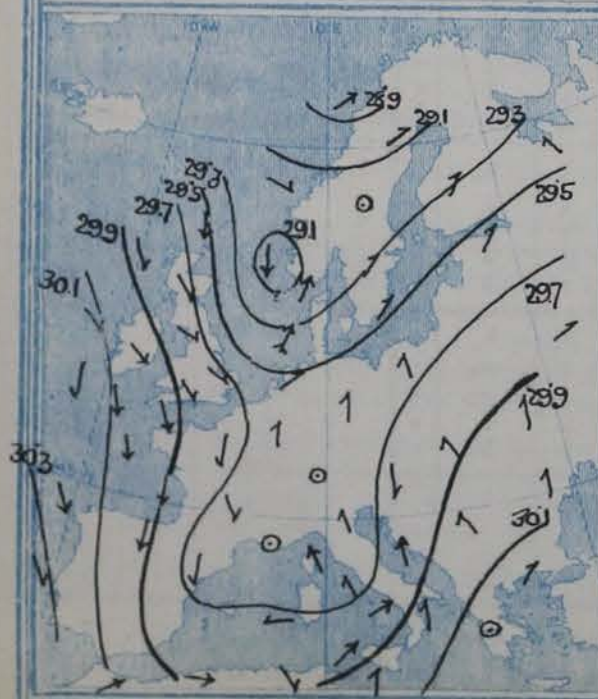
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in first 24 hours when exceeding half an inch is shown thus: 0.6



III. BAROMETER AND WIND

Yesterday morning.



IV. Means of Daily Recorded BRIGHT SUNSHINE (1881-1900), together with Means of Possible Duration for FEBRUARY.

Specimen { Average N° of } 2.2
{ Hours daily }
(for Stornoway) { Total Possible } 9.2



V. Means of DAILY TEMPERATURE

at 8 A.M. for the Two monthly period

JANUARY-FEBRUARY (1871-1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The deep cyclonic disturbance of the past two days has travelled eastwards, its centre being now shown over the extreme south of Norway, where the barometer stands at about 29.0 in. In its rear the barometer is rising sharply over the whole of the United Kingdom, the change since yesterday morning amounting to nearly an inch in Scotland and the north of Ireland. The highest readings, 30.2 in. and upwards, are now found in an anticyclone lying off the south-west of Ireland; the lowest, 28.9 in. and less, are found in a cyclonic system off the north-west of Norway, but the barometer is apparently rising at all the Scandinavian stations.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind has veered to the N.W.^d or N.^d over the whole of these Islands, France and the Netherlands, but still blows strongly on many parts of our western coasts. In Germany, Denmark and the south of Sweden it is S.^w or S.W.^w, with a gale at Fano. Over France and the east and south-east of England the shift of wind to N.W. has been accompanied by a decided fall of temperature, but in the west and north of our Islands the thermometer has risen slightly. The readings are now below the average in nearly all parts of the United Kingdom and France, the lowest reported being 30° at Dungeness, 31° at Newton Reigny (Pensith) and 32° at Brussels and Belfort. Frost prevails also in South Germany and in the north of Sweden. The weather is fine over the United Kingdom generally, but hail showers are reported in the Scilly and Channel Islands and also at Stormorway. At most of the Continental stations the sky is cloudy, with rain at Christiansund and Fano, and with snow at Belfort. The sea remains rough on several parts of our western coasts, but is moderate or slight elsewhere.

Hail, sleet or snow showers fell yesterday in nearly all parts of the United Kingdom, and rain in France and Germany; lightning was seen at Holyhead and Clacton-on-Sea in the evening. Frost occurred at night in most districts, the lowest readings reported being:—In the screen, 28° at Dungeness and Garmouth and 30° in London; on the grass, 22° in London and 25° at Oxford.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone now shown off the south-west of Ireland is likely to advance eastwards and fair weather will therefore continue for a time in most districts. On our extreme west coasts the wind will probably back to the W.^d or S.W.^d in the course of the ensuing 24 hours.

FORECASTS *

For the 24 hours ending at NOON on 3rd February, 1903

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	N.W. ³ to W. ¹ winds, moderate; changeable, with hail or snow showers.	6 { SCOTLAND WEST	N.W. ² winds, strong at first, but moderating later; fair generally.
1 { SCOTLAND EAST		7 { ENGLAND N.W.	
2 { ENGLAND N.E.	N.W. ² winds, moderate or fresh; fair generally, but hail or snow showers in places.	8 { ENGLAND S.W.	N.W. ² winds, backing later to W. or S.W., fair generally.
3 { ENGLAND EAST		9 { IRELAND NORTH	
4 { MIDLAND COUNTIES	N.W. ² and N. ³ winds, light; fair generally. Frost at night.	10 { IRELAND SOUTH	None issued.
5 { ENGLAND SOUTH			
		WARNINGS	

Note.—The South Cone, point downwards (∇), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
The North Cone, point upwards (∇), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

* For terms for transmission of Forecasts by Telegraph, see next page

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.				THIS MORNING 8 A.M.							PAST 24 HOURS.			
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer. Ins. Change.	Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature. Max. Min.	Sun- shine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	b, c, l	42 30	3.0	-
Newton Reigway (Penrith) ...	29.23	32	W 1	b	29.82	31	30	-2	W 3	b	*	o, c, r, s, h, p	36 31	1.4	0.07
Bath	29.26	37	W 1	o	29.92	+54	35	33	NW 1	o	*	-	40 30	1.5	0.10

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 3 p.m. ...	47	39	ch, g, b	1.5	0.13	Eastbourne, ...	*	*	*	0.4	*
Rhyl, ...	*	*	*	0.8	*	Hastings ...	*	*	*	0.3	*
Llandudno ...	*	*	*	0.9	*	Lowestoft, to 6 p.m. Not recd.	*	*	*	*	*
Aberystwyth, to 6 p.m. ...	50	44	c, o	1.3	0.04	Harrogate, to 6 p.m. ...	45	33	o, c	2.6	0.10
Plymouth, to 9 p.m. Not recd.	*	*	*	*	*	Manchester, to 9 p.m. ...	47	32	+ b, c, h, d, s, i, b, c	0.5	0.17
Worthing ...	*	*	*	1.5	*	Darwen, to 9 p.m. ...	44	30	l, o, l, s, b	0.0	0.74
Brighton ...	*	*	*	1.3	*	Birmingham, to 9 p.m. ...	45	32	c, s, h, p, b	5.0	0.10

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
1. 2. 03 Madeira (Funchal) ...	Information not yet recd.			Ins.	Algiers ...				Ins.
Madrid ...					Tunis ...				
Corsica (I. Sanguinaires) ...					Vienna ...				
Rome ...					St. Petersburg ...				
Florence ...					31. 1. 03 Lugano ...	1 p.m. 39	—	1 p.m. bc	Measured 7 a.m. —
Trieste ...					Davos ...	28	—	6	—
Naples ...					Lucerne ...	37	—	6	—
Palermo ...					Lausanne ...	39	—	6	—
Malta ...									

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.
* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium, Holland ...	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.
Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France ...	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain ...	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal ...	8 a.m. (Lisbon)	8.36 a.m.		

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

2...Feb., 1903	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ...	h. m. 7.36	h. m. 12.7	h. m. 4.38
Greenwich ...	7.39	12.14	4.49
Wick ...	8.19	12.26	4.33
Valencia ...	8.23	12.55	5.27

SUBSCRIPTIONS both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.

" Weekly " " " £1 10 0 " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom Sixpence in addition to the cost of the inquiry and reply Telegrams. Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 83, Victoria Street, S.W., either personally or by post.

† Except at Oxford, where the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on

WEDNESDAY 4TH FEBRUARY.

1903

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather.	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Temp.					
At 32° and M.S.L.	Dry Bulb.	Dirac.	Force (0 to 12.)	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dirac.	Force (0 to 12.)	Weather.	Max.	Min.	Sun- shine. Hours	Rainfall Ins.						
Ins.	°			Ins.	Ins.	°	°														
SCANDINAVIA.	Haparanda ...	29.55	16	Z	0	b	29.66	+52	-8	-9	-30	NW	2	b	*	-	28	-8	*	-	
	Hernösand ...	29.78	26	Z	0	b	29.71	+19	16	15	-15	Z	0	b	*	-	34	16	*	-	
	Stockholm ...	29.87	27	W	2	b	29.87	+23	28	27	0	SW	2	o	*	-	34	25	*	-	
	Wisby ...	29.92	34	Z	0	b	29.95	+30	32	31	-2	W	2	bc	*	-	39	28	*	-	
	Karlstad ...	29.93	23	Z	0	b	29.82	+09	33	33	+9	Z	0	f	*	b, s	*	*	*	-	
	Färder (X'iania Fjord) ...	29.93	32	W	1	b	29.81	+05	37	36	+6	SW	4	o	2	-	37	31	*	-	
	Bodö ...	29.62	32	W	4	bc	29.49	+07	29	28	-4	E	4	o	1	-	34	27	*	-	
	Christiansund ...	29.72	35	W	5	o	29.60	-11	42	42	+6	WSW	8	+	5	-	43	32	*	0.71	
Skudesnaes ...	29.93	38	ESE	2	f	29.91	+05	42	42	+7	W	4	+	3	o, f	43	34	*	*		
BRITISH ISLANDS.	Sumburgh Head ...	29.74	46	W	5	+	29.71	+05	45	45	-2	WSW	5	o	6	+	47	43	*	0.08	
	Stornoway ...	29.85	49	SW	6	+	29.78	-09	45	45	-3	NW	2	+	2	q, t	50	44	0.0	0.28	
	Malin Head ...	30.09	46	WSW	6	ogm	29.96	-13	47	46	+2	SW	7	o	5	o, ogm	47	45	*	0.01	
	Blacksod Pt. ...	30.14	48	SW	6	opm	29.97	-20	49	48	+2	SSW	8	ogm	7	opm	49	48	*	0.10	
	Valencia ...	30.29	49	S	4	op	30.17	-15	49	48	+2	S	5	og	5	om, op	50	46	0.2	0.10	
	Roche's Point ...	30.33	48	WSW	1	om	30.25	-08	48	48	+3	SSW	3	o	4	bc, om	50	44	*	0.04	
	Parsonstown ...	30.25	48	SW	1	o	30.15	-12	48	46	+3	S	1	c	*	og, o	50	44	0.0	-	
	Donaghadee ...	30.19	49	WSW	2	o	30.13	-00	49	47	+3	WSW	2	o	2	-	49	45	*	-	
Liverpool Obsy. ...	30.29	45	W	3	bc	30.26	+03	46	44	+1	WSW	3	b	2	bc	48	41	*	-		
Holyhead ...	30.28	46	SW	3	c	30.24	+02	46	46	0	SW	5	adp	4	o, c	47	41	*	0.02		
Pembroke (St. Ann's) ...	30.35	47	WSW	4	c	30.34	+04	47	46	0	SSW	5	og	4	c, mp	48	44	0.6	0.01		
GERMANY, &c.	Scilly (St. Mary's) ...	30.43	51	WSW	5	c	30.38	-00	50	48	+1	SW	5	cp	4	c, cmp	52	47	3.5	0.01	
	Jersey (St. Aubin) ...	30.48	47	W	3	oft	30.53	+09	44	44	0	SW	3	om	3	o, oft, p	51	44	0.8	0.15	
	Portland Bill ...	30.42	47	W	3	cp	30.45	+07	45	44	0	W	3	cd	2	c, cp	48	44	*	0.01	
	Dungeness ...	30.38	46	WNW	2	bc	30.43	+12	45	44	+5	WNW	3	o	1	c, bc	49	39	*	0.01	
	Wick ...	29.87	48	WNW	3	c	29.80	-01	45	44	-1	S	3	+	2	-	50	44	*	0.05	
	Nairn ...	29.93	43	W	4	c	29.86	-06	49	46	+3	W	1	c	1	-	50	44	*	-	
	Aberdeen ...	29.99	45	SW	2	f	29.94	+01	47	45	+4	SW	5	c	2	o, f	49	42	0.3	-	
	Leith ...	30.09	48	SW	2	c	30.02	-02	49	46	+2	SSW	4	o	*	-	50	45	*	-	
North Shields ...	30.12	48	SW	2	c	30.12	+05	48	46	+3	SW	3	c	2	c	50	43	*	-		
FRANCE.	Spurn Head ...	30.24	45	WSW	4	c	30.26	+13	40	40	-1	SSW	3	bw	3	-	46	39	*	-	
	Yarmouth ...	30.25	46	W	3	c	30.31	+13	43	41	+6	W	4	cm	3	c	46	35	*	-	
	Loughborough ...	30.39	46	WSW	2	o	30.41	+09	45	44	+4	WSW	2	ogp	*	o	49	40	*	-	
	Oxford ...	30.35	47	W	2	o	30.40	+10	46	44	+8	W	2	og	*	o, f, om	47	38	0.0	-	
	London (Brixton) ...	30.35	47	W	2	o	30.40	+10	46	44	+8	W	2	og	*	o, f, om	47	38	0.0	-	
	The Scaw (Skagoe) ...	29.94	37	Z	0	f	29.93	+16	39	39	+3	W	5	f	1	-	39	34	*	-	
	Fanö ...	30.19	39	WSW	4	+	30.17	+21	39	39	+3	WSW	5	o	*	-	39	36	*	0.04	
	Cuxhaven ...	30.16	39	SW	3	o	30.27	+23	40	40	+3	W	3	o	*	-	41	37	*	0.04	
The Helder ...	30.25	41	WSW	3	o	30.32	+16	41	41	+2	WSW	2	o	3	-	41	39	*	0.04		
Brussels ...	*	*	*	*	*	30.48	+15	42	41	+9	SSW	2	o	*	+	42	37	*	0.04		
Berlin ...	30.21	39	W	2	+	30.26	+32	42	42	+7	W	2	+	*	-	43	35	*	0.08		
Frankfurt ...	30.41	39	SW	4	o	30.48	+23	37	35	+1	SW	2	o	*	-	43	36	*	-		
Munich ...	30.46	31	SW	4	c	30.52	+29	30	28	0	W	4	o	*	-	34	28	*	0.04		
SPAN. PEN.	C. Gris Nez ...	30.33	46	W	3	o	30.40	+12	45	43	+7	WSW	4	o	4	-	45	38	*	-	
	Brest ...	30.53	48	W	2	o	30.50	+04	46	46	+1	SW	2	o	2	-	50	45	*	-	
	Lorient ...	30.54	48	W	2	o	30.53	+04	45	45	+3	Z	0	o	1	-	55	41	*	-	
	Rochefort ...	30.60	45	Z	0	b	30.56	+04	32	32	-5	E	2	b	2	-	55	32	*	-	
	Biarritz ...	30.60	45	Z	0	b	30.56	+04	32	32	-5	E	2	b	2	-	55	32	*	-	
	Paris ...	30.48	43	SW	2	o	30.52	+11	41	41	+13	SSW	2	o	*	-	46	28	*	0.04	
	Belfort ...	30.48	32	SW	1	m	30.54	+20	31	30	+4	Z	0	m	*	-	37	27	*	-	
	Lyons ...	30.03	47	Z	0	b	30.26	+46	40	33	-5	E	3	b	2	-	57	39	*	-	
Nice ...	30.32	44	NW	6	b	30.40	+19	43	36	+4	NW	4	b	*	-	47	39	*	-		
Perpignan ...	30.32	44	NW	6	b	30.40	+19	43	36	+4	NW	4	b	*	-	47	39	*	-		
SPAN. PEN.	Corunna ...																				
	Lisbon ...																				
Azores (P. Delgada) ...																					
" (Horta) ...	30.18	57	Z	0	o	30.17	-02	54	52	-5	NW	1	b	1	-	61	54	*	0.16		

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.

WEATHER CHARTS

FOR WEDNESDAY, 4th FEBRUARY, 1903.

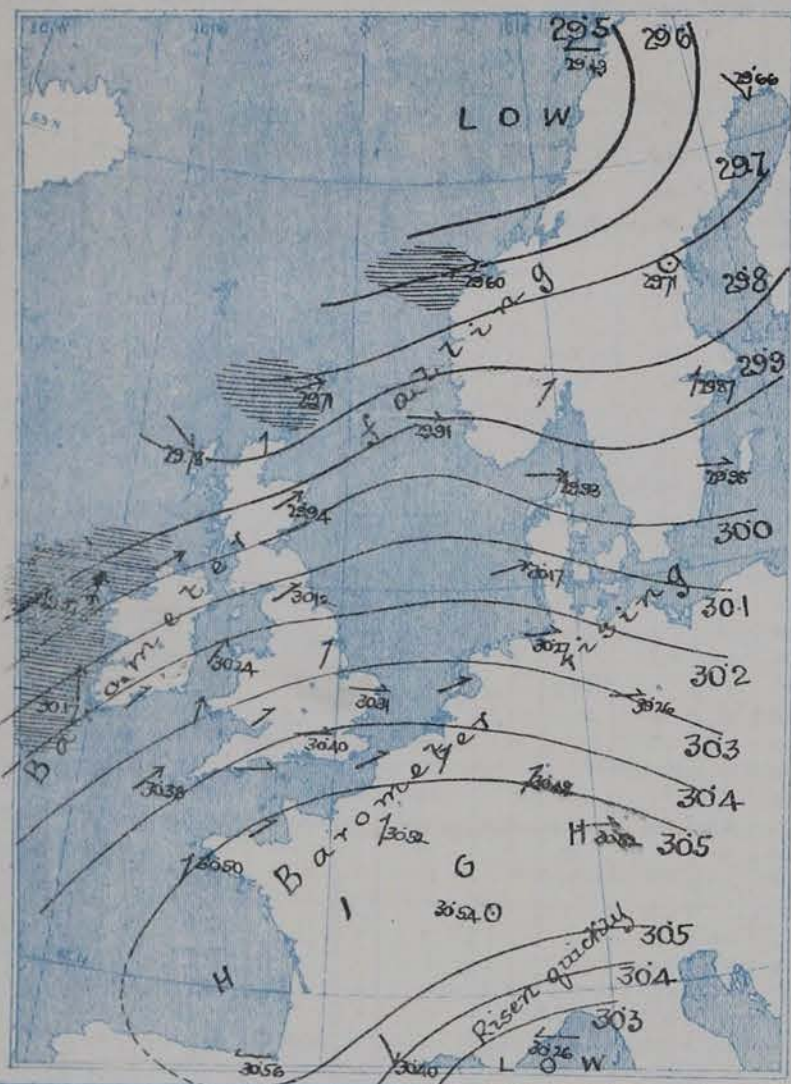
I. BAROMETER, WIND AND SEA. This Morning.

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → Force 5 to 7 → } Calm ☉
Force 8 to 10 → Force 1 to 4 → }

SEA.—Rough High

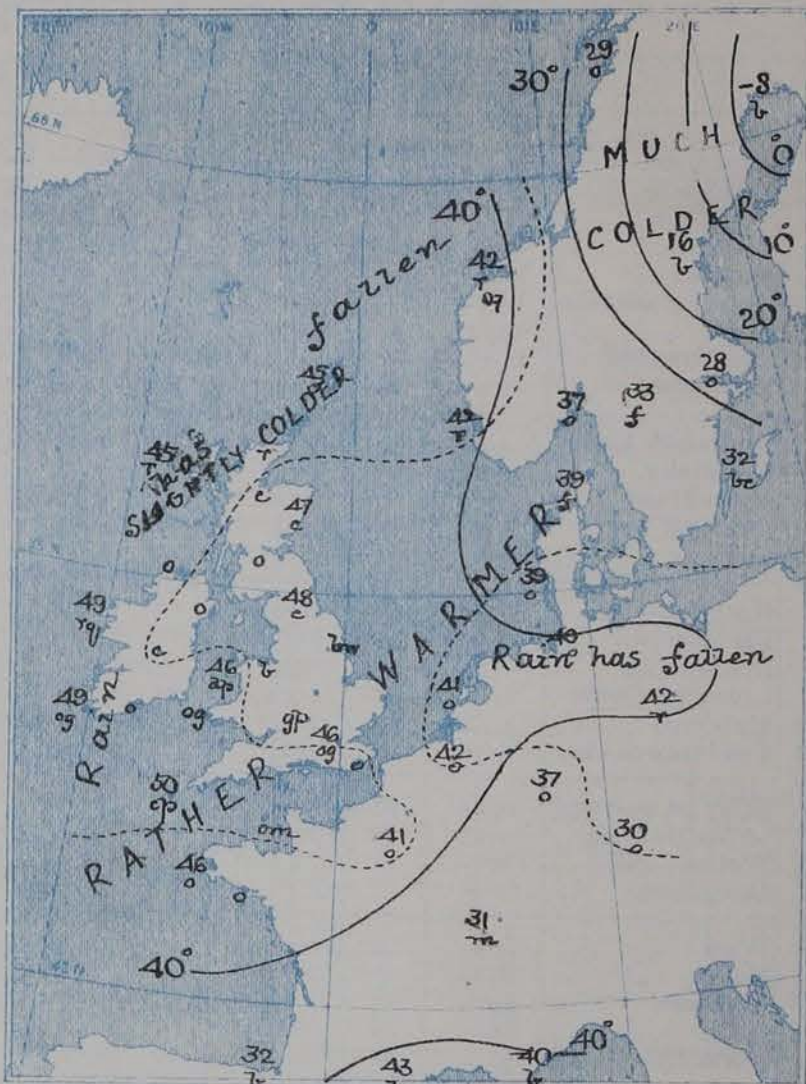


II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6



III. BAROMETER AND WIND

Yesterday morning



IV. Means of Daily Recorded BRIGHT SUNSHINE (1881-1900), together with Means of Possible Duration for FEBRUARY.

Specimen { Average No of } 2.2
(for Stornoway) { Hours daily }
{ Total Possible } 9.2



V. Means of DAILY TEMPERATURE

at 8 A.M. for the Two monthly period

JANUARY-FEBRUARY (1871-1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The anticyclone noticed yesterday off our western coasts has spread eastwards over the whole of Ireland and England and the greater part of France, Germany and the Netherlands, and the barometer continues to rise on all but our extreme western and northern coasts, where the mercury is rather unsteady. The highest pressures, 30.5 in. and upwards, are reported in the south-west of France, and the lowest, 29.2 in. and less, in a cyclonic system over Lapland. In the neighbourhood of the Riviera there is another disturbance with minimum readings of 29.8 in. and less, and over the south and south-east of France the barometrical gradients are very steep.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind has backed to the W^l or S.W^l over the whole of the United Kingdom and temperature has risen decidedly, the readings being a gain above the average for the time of year. In the east and south-east of England the thermometer stands at or a little below 40°, but on our western and northern coasts it is mostly above 45°, the highest readings reported being 49° at Scilly and 48° at Stornoway. In the western parts of the Continent generally the wind varies between W. and N.W., and at Perpignan (owing to the cyclonic disturbance over the Riviera) the N.W.^l wind blows with the force of a moderate gale. Frost prevails in Central France and South Germany, and also in Sweden, the lowest readings reported being:—In the former region 27° at Belfort and 28° at Paris, and in the latter, 22° at Haparanda and 24° at Kashtad. The weather is dull in the west and extreme north of our Islands, with showers in a few places. On our eastern and southern coasts and at most of the Continental stations the weather is fair; rain is, however, falling at Berlin, and snow at Munich and Christiania. The sea is rather rough off the north of Scotland, but moderate or slight in most other localities.

Slight rain has fallen in several parts of the United Kingdom, and larger quantities in the south of France; snow has occurred at many of the Scandinavian stations. The amount of bright sunshine was large at most of the English and Welsh stations, more than 6½ hours being recorded in several places. Frost occurred last night in the east and south-east of England, the sheltered thermometer falling to 29° at Yarmouth and Dungeness.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are indications of the approach of fresh cyclonic systems towards our north and north-west coasts, and at some of our outlying stations the wind is likely to blow strongly from the S.W.^l with rain. Cloudy, damp weather is probable in most other localities, with a further rise of temperature in the east and south-east of England.

FORECASTS *

For the 24 hours ending at NOON on 4th February, 1903

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 ∇ SCOTLAND NORTH	W ^l to S.W ^l winds, fresh or strong; dull, some rain.	6 ∇ SCOTLAND WEST	S.W ^l winds, strong; mild, cloudy, some rain.
1 $\left\{ \begin{array}{l} \text{SCOTLAND} \\ \text{EAST} \end{array} \right.$	S.W ^l winds, light; fair generally.	7 $\left\{ \begin{array}{l} \text{ENGLAND} \\ \text{N.W.} \end{array} \right.$	W ^l and S.W ^l winds, moderate or fresh; mild, cloudy, some showers.
2 $\left\{ \begin{array}{l} \text{ENGLAND} \\ \text{N.E.} \end{array} \right.$		8 $\left\{ \begin{array}{l} \text{ENGLAND} \\ \text{S.W.} \end{array} \right.$	
3 $\left\{ \begin{array}{l} \text{ENGLAND} \\ \text{EAST} \end{array} \right.$	W ^l and S.W ^l winds, light; cloudy, slight rain locally. Becoming milder.	9 ∇ IRELAND NORTH	Same as No. 6.
4 $\left\{ \begin{array}{l} \text{MIDLAND} \\ \text{COUNTIES} \end{array} \right.$		10 $\left\{ \begin{array}{l} \text{IRELAND} \\ \text{SOUTH} \end{array} \right.$	Same as Nos. 7 and 8.
5 $\left\{ \begin{array}{l} \text{ENGLAND} \\ \text{SOUTH} \end{array} \right.$			
		WARNINGS	At 7 p.m. yesterday to district 6 and parts of 0 and 9, Hoist South Cone.

Note.—The South Cone, point downwards (∇), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
The North Cone, point upwards (∇), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

* For terms for transmission of Forecasts by Telegraph, see next page

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.				THIS MORNING 8 A.M.							PAST 24 HOURS.					
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet.	Change.					Max. °	Min. °		
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	bc	*	6	40	31	6.5	0.03
Newton Reigny (Penrith)	30.10	37	W 3	bc	30.10	+28	44	43	+13	W 4	0	*	bc, od	44	31	6.7	0.04
Bath	30.23	44	W 1	0	30.34	+42	44	44	+9	W 1	0	*	-	45	36	6.1	-

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m....	43	36	bc	6.5	-	Eastbourne,	*	*	*	5.7	*
Rhyl,	*	*	*	6.3	*	Hastings	*	*	*	6.7	*
Llandudno	*	*	*	6.6	*	Lowestoft, to 6 p.m.	40	29	bc, z, c	5.8	-
Aberystwyth, to 6 p.m.	44	40	c	4.5	-	Harrogate, to 6 p.m.	41	30	c, br	6.9	-
Plymouth, to 9 p.m....	45	36	bcsp, bc	5.1	0.04	Manchester, to 9 p.m.	40	31	r, c, d, g	1.5	0.02
Worthing	*	*	*	6.3	*	Darwen, to 9 p.m. ...	37	27	c, bc, om	5.7	-
Brighton	*	*	*	5.7	*	Birmingham, to 9 p.m.	40	32	bc	2.4	-

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
2. II 03				Ins.					Ins.
Madeira (Funchal)					Algiers	64	52	bc	0.16
Madrid					Tunis	64	45	bc	-
Corsica (I. Sanguinaires) ...	55	41	m	0.04	Vienna	36	30	0	-
Rome	51	48	c	0.63	St. Petersburg	36	15	0	0.58
Florence	52	43	0	0.55	Utrecht	1 p.m. 45	32	c 1 p.m.	Measured 7 a.m.
Trieste	50	41	r	-	Lugano	1. 2. 03		not yet recd.	
Naples	52	45	r	-	Davos				
Palermo	64	49	0	-	Lucerne				
Malta	61	54	?	-	Lausanne				

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.
* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium, Holland	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.
Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.		

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

3. Feb., 1903	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	h. m. 7.35	h. m. 12.7	h. m. 4.39
Greenwich	7.38	12.14	4.50
Wick	8.17	12.26	4.35
Valencia	8.21	12.55	5.29

SUBSCRIPTIONS both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 " " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom Sixpence in addition to the cost of the inquiry and reply Telegrams. Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† Except at Oxford, where the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on

THURSDAY 5TH FEBRUARY

1903

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		BAROM.		TEMP.		WIND.	BAROMETER.		TEMPERATURE.			WIND.		SEA	TEMP.		SUNSHINE.	RAINFALL.			
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather.	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Max.	Min.	Sun- shine. Hours	Rainfall. Ins.	
																					Ins.
SCANDINAVIA.	Haparanda ...	29.57.	75	S	2	0	29.50	-16	14	13	+22	E	2	0	*	-	14	-9	*	-	
	Hernösand ...	29.69	30	Z	0	0	29.67	-04	24	23	+8	Z	0	0	*	-	32	16	*	-	
	Stockholm ...	29.89	36	NNW	2	0	29.80	-07	39	38	+11	WSW	2	0	*	-	39	21	*	-	
	Wisby ...	29.91	37	W	2	0	29.90	-05	37	36	+5	SW	2	0	*	-	37	27	*	-	
	Karlstad ...	29.84	37	Z	0	+	29.88	+06	37	36	+4	SW	2	bc	*	-	*	*	*	0.04	
	Færder (X'ania Fjord)	29.80	39	SW	4	0	29.86	+05	37	36	0	WSW	2	bc	3	-	39	37	*	-	
	Bodö ...	29.39	39	SW	4	c	29.23	-26	38	36	+9	E	4	c	1	-	38	28	*	-	
	Christiansund ...	29.66	42	WSW	6	c	29.43	-17	46	41	+4	WSW	8	0	5	-	46	42	*	0.04	
	Skudesnaes ...	29.89	42	SW	4	+	29.94	+03	41	41	-1	SSW	4	m	4	0.1	43	39	*	*	
	Sumburgh Head	29.70	44	SW	2	0	29.69	-02	44	42	-1	WSW	5	0	6	0	46	42	*	0.09	
BRITISH ISLANDS.	Stornoway ...	29.73	49	WSW	4	0	29.84	+06	44	41	-1	WSW	5	bc	5	0	51	41	0.0	0.03	
	Malin Head ...	29.92	48	SSW	5	og	29.98	+02	47	47	0	SW	5	omp	4	0.09	50	46	*	0.01	
	Blacksod Pt. ...	29.98	50	ESE	5	cpm	29.98	+01	48	48	-1	SSW	5	tm	5	cpm	51	45	*	0.04	
	Valencia ...	30.14	50	S	4	om	30.10	-07	48	47	-1	S	4	omd	5	tm, om	51	48	0.0	0.47	
	Roche's Point ...	30.23	49	SW	3	om	30.18	-07	48	48	0	SSW	3	om	2	0, om	50	47	*	0.10	
	Parsonstown ...	30.12	50	SSW	1	ot	30.12	-03	48	47	0	S	1	0	*	0.1	52	47	0.1	0.09	
	Donaghadee ...	30.05	51	SW	3	og	30.09	-04	48	47	-1	SW	2	tg	2	-	51	47	*	0.02	
	Liverpool Obsy.	30.21	47	WSW	5	c	30.22	-04	47	44	+1	WSW	3	b	3	c	49	46	*	-	
	Holyhead ...	30.20	47	SW	7	tgq	30.22	-02	47	46	+1	SW	4	om	3	odp, tgq	47	46	*	0.26	
	Pembroke (St. Ann's)	30.30	47	SW	5	0	30.27	-07	47	46	0	S	6	og	4	omp	48	45	0.1	0.03	
GERMANY, &c.	Scilly (St. Mary's)...	30.35	49	SSW	5	0	30.28	-10	49	47	-1	SSW	5	0	5	ot, 0	50	46	0.0	0.01	
	Jersey (St. Aubins)...	30.51	46	SSW	3	og	30.48	-05	42	40	-2	SSW	3	b	3	0.09	47	41	0.0	0.01	
	Portland Bill ...	30.42	46	WSW	3	op	30.40	-05	46	45	+1	SW	2	c	2	0.10	48	44	*	0.02	
	Dungeness ...	30.43	46	W	5	c	30.43	00	46	45	+1	W	5	og	3	c	47	44	*	0.01	
	Wick ...	29.73	45	S	3	bc	29.83	+03	43	41	-2	NW	4	c	2	-	48	40	*	0.02	
	Nairn ...	29.78	50	WSW	3	bc	29.92	+06	45	43	-4	W	1	c	1	-	52	42	*	0.01	
	Aberdeen ...	29.88	47	SE	3	bc	29.97	+03	45	43	-2	SW	3	bm	2	c, bc	50	42	0.9	-	
	Leith ...	29.96	49	SW	3	bc	30.00	-02	50	47	+1	WSW	3	b	*	-	52	45	*	-	
	North Shields ...	30.06	49	SW	3	c	30.13	+01	49	47	+1	SSW	3	c	2	0.1	50	46	*	-	
	Spurn Head ...	30.21	47	SSW	4	c	30.26	00	43	42	+3	SW	3	b	3	-	49	40	*	-	
FRANCE.	Yarmouth ...	30.30	48	WSW	5	c	30.33	+02	47	44	+4	WSW	3	cf	3	c	49	40	*	-	
	Loughborough ...																				
	Oxford ...	30.38	47	SW	2	og	30.39	-02	46	45	+1	SSW	1	og	*	og	48	45	*	-	
	London (Brixton)	30.38	48	WSW	2	0	30.39	-01	46	44	0	SW	3	0	*	0	48	44	0.0	-	
	The Scaw (Skagen)	29.95	42	W	4	m	29.96	+03	42	42	+3	W	5	f	1	-	43	37	*	-	
	Fanö ...	30.19	39	SW	4	0	30.21	+04	39	39	0	SW	4	f	*	-	39	39	*	0.04	
	Cuxhaven ...	30.30	42	W	2	0	30.31	+04	42	41	+2	SW	3	0	*	-	43	40	*	-	
	The Helder ...	30.33	42	SW	5	0	30.34	+02	41	41	0	SW	4	0	3	-	43	41	*	-	
	Brussels ...	*	*	*	*	*	30.53	+05	41	38	-1	SW	2	0	*	-	46	40	*	-	
	Berlin ...	30.33	44	W	2	0	30.25	-01	42	41	0	W	3	0	*	-	46	39	*	-	
SPAN. PEN.	Frankfurt ...	30.50	39	SW	2	0	30.52	+04	39	37	+2	SW	2	0	*	-	41	37	*	-	
	Munich ...	30.54	32	W	1	b	30.55	+03	22	22	-8	Z	0	m	*	-	37	21	*	-	
	C. Gris Nez ...	30.37	44	SW	4	0	30.38	-02	43	41	-2	SW	4	bc	4	-	46	41	*	-	
	Brest ...	30.45	49	S	3	0	30.38	-12	46	45	0	ESE	3	0	3	-	49	46	*	-	
	Lorient ...	30.49	48	SW	3	0	30.39	-14	42	42	-3	SE	2	bc	2	-	54	39	*	-	
	Rochefort ...	30.47	48	NE	2	0	30.39	-15	38	37	0	E	3	b	*	6.0	54	36	*	-	
	Biarritz ...	30.47	47	E	2	b	30.39	-17	35	35	+3	S	1	b	2	-	52	32	*	-	
	Paris ...	30.54	45	SW	1	0	30.51	-01	42	40	+1	Z	0	0	*	-	47	41	*	-	
	Belfort ...	30.52	37	Z	0	m	30.52	-02	28	27	-3	ENE	3	m	*	-	44	27	*	-	
	Lyons ...	30.58	38	NW	1	b	30.56	-01	28	28	-6	ENE	1	b	*	-	43	27	*	-	
Nice ...	30.37	47	Z	0	b	30.43	+17	42	36	+2	ESE	1	b	1	-	57	37	*	-		
Perpignan ...	30.43	46	NW	1	b	30.44	+04	32	30	-11	Z	0	b	*	-	57	30	*	-		
SPAN. PEN.	Corunna ...																				
	Lisbon ...	30.32	49	NNE	3	b	30.32	+02	43	41	+1	NNE	4	b	*	-	57	42	*	-	
SPAN. PEN.	Azores (P. Delgada)																				
	" (Horta)	30.12	59	SW	4	bc	29.94	-23	61	59	+7	SW	6	0	3	-	63	54	*	-	



NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

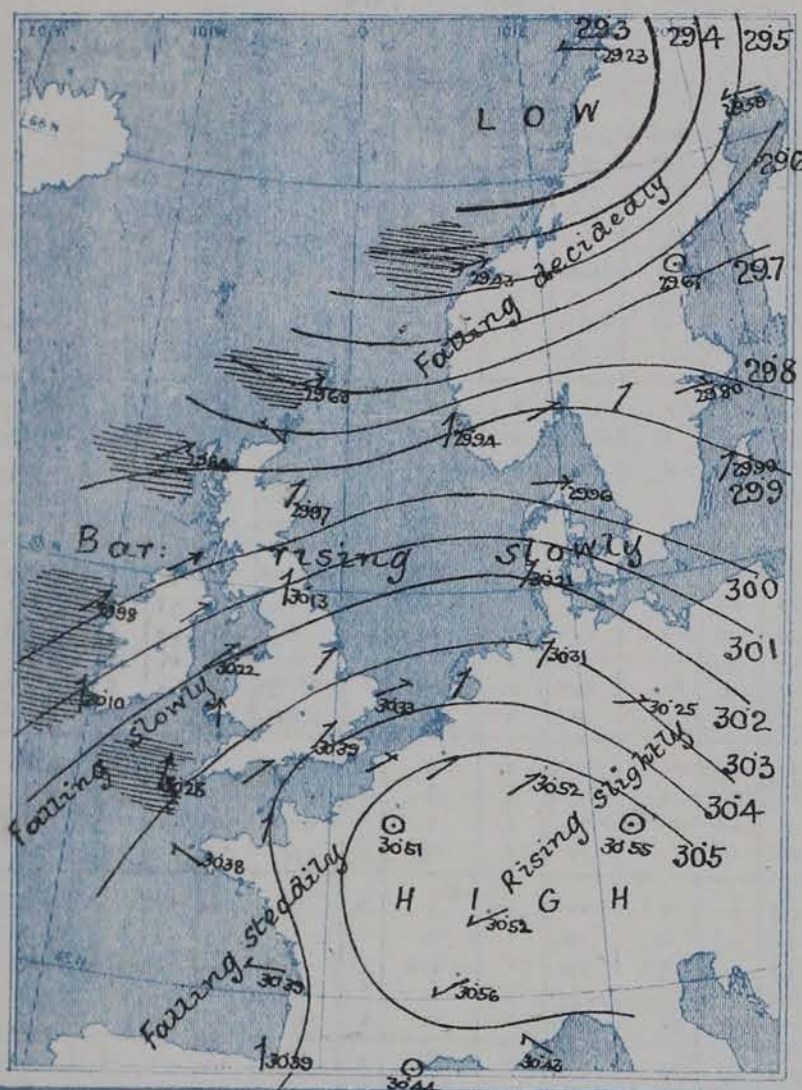
* Observations for this column not generally received.

+ Observations received too late for insertion in Charts on next page.

FOR THURSDAY, 5TH FEBRUARY, 1903.

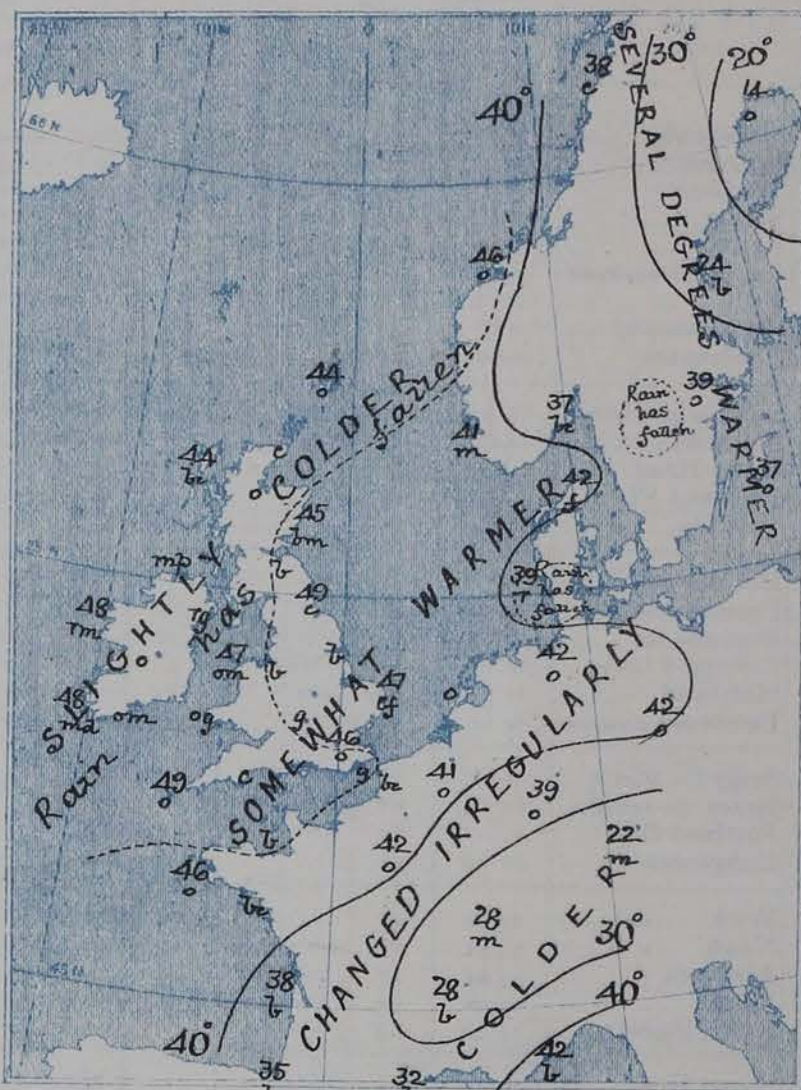
BAROMETER.—Isobars are drawn for each tenth of an inch.
WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10	→ →	Force 5 to 7	→ →	} Calm ☉
Force 8 to 10	→ →	Force 1 to 4	→ →	
SEA—Rough		High		



TEMPERATURE.—Isotherms are drawn for each 10°. WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus: 0.6



Yesterday morning.



Specimen (for Stornoway)	Average N ^o of	2.2
	Hours daily	
	Total Possible	9.2



The map displays the North Sea region with isotherms for 30°C, 35°C, and 40°C. Latitude lines are marked at 30°, 35°, and 40° North. Longitude lines are marked at 10°, 15°, 20°, and 25° East. Isotherms are shown as solid lines, with the 30°C isotherm being dashed in some areas. Various temperature values are labeled along these lines, such as 29.0, 31.7, 36.8, 37.9, 38.0, 38.2, 38.3, 38.9, 39.1, 40.5, 41.0, 41.4, 42.2, 42.3, 42.5, 43.3, 43.8, 44.3, 45.0, 46.1, and 48.0. The map also shows the coastlines of the British Isles and Scandinavia.

GENERAL SITUATION AT 8 A.M.

PRESSURE

The anticyclone noticed yesterday is moving eastwards, and cyclonic disturbances are again appearing over the extreme western and northern parts of our area. One of these systems, with minimum readings below 29.5 in., is now lying off the northern part of the Norwegian coast, while another is approaching the west of Ireland, and the barometer is consequently falling at all our western and northern stations. The highest pressures, 30.5 in. and upwards, are reported over France and South Germany, and gradients, though slight in the south and east, are becoming rather steep in the west and north.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind is light to fresh from the S.W. over the western and northern parts of the United Kingdom generally, as well as at most of the Scandinavian stations, but is strong to a gale from the southward in the west of Ireland. Over Denmark, Germany and the south-east of England it is light to moderate from the W., while in France it is calm or variable.

Temperature has risen generally, but has fallen slightly in the north of Scotland and also in the south of France, and rapidly over the Gulf of Bothnia. In our Islands it is considerably above the average, the readings being above 45° at most of our western and northern stations, and as high as 50° at Scilly. Slight frost prevails over South Germany and Central France, and severe frost over the northern parts of Sweden, the reading at Haparanda being as low as -8° F.

The weather is fair over the eastern parts of Great Britain, but cloudy or dull elsewhere, with rain on our extreme north-west and north coasts, and also in the west of Norway, and passing showers in Wales and the south-west of England.

The sea is high at Blackhead Point, and rough off the west of Ireland, and the north of Scotland generally, moderate or slight elsewhere.

During yesterday the thermometer rose to 50° or slightly above it at several of our western and northern stations. The duration of bright sunshine was generally small, the largest amount reported being 3.5 hrs at Scilly. Slight rain has fallen in many parts of our Islands, and also in Norway, Denmark and Germany, and a considerable quantity (0.7 inch) at Christiansund.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The cyclonic system which is approaching the Irish coasts is likely to occasion a considerable increase in the strength of the S. and S.W. winds in the west and north, with gales in several places. Freshening S.W. winds are probable also in the south and east, with rain over the United Kingdom generally.

FORECASTS *

For the 24 hours ending at NOON on 5th February, 1903

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	S. and S.W. winds, increasing in force; mild, cloudy, some rain.
1	SCOTLAND EAST	
2	ENGLAND N.E.	S.W. winds, freshening; fair at first, some rain later
3	ENGLAND EAST	
4	MIDLAND COUNTIES	S.W. winds, freshening; mild, cloudy, some showers.
5	ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as Nos. 0 and 1.
7	ENGLAND N.W.	
8	ENGLAND S.W.	S. to S.W. gales and strong winds; mild, squally, some rain.
9	IRELAND NORTH	
10	IRELAND SOUTH	At 9.50 a.m. to-day in districts 7, 10 and parts of 8 and 9, Hoist South Cone. The signals are also flying in district 6, part of 0, and the remainder of 9.

WARNINGS

Note—The South Cone, point downwards (∇), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.

The North Cone, point upwards (∇), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

* For terms for transmission of Forecasts by Telegraph, see next page

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.				THIS MORNING 8 A.M.							PAST 24 HOURS.			
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer. Ins. Change.	Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature Max. Min.	Sun- shine Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	C	*	C, D	47 35	1.0	-
Newton Reigny (Penrith) ...	30.17	46	W 2	C	30.12 +0.02	45	44	+1	WSW 4	0	*	om, C	47 44	0.0	-
Bath	30.38	47	W 3	0	30.40 +0.06	44	44	0	SW 3	0	*	-	52 44	1.2	-

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m. ...	46	41	ot, o, c	0.0	0.03	Eastbourne, ...	*	*	*	0.0	*
Rhyl,	*	*	*	0.4	*	Hastings	*	*	*	0.0	*
Llandudno	*	*	*	0.8	*	Lowestoft, to 6 p.m. ...	44	30	c, d, t, o, c	0.6	0.01
Aberystwyth, to 6 p.m. ...	45	43	C, om	0.0	-	Harrogate, to 6 p.m. ...	48	33	bc, c	0.6	0.15
Plymouth, to 9 p.m. ...	51	34	op, bc	0.5	0.03	Manchester, to 9 p.m. ...	48	36	+bc	0.0	0.12
Worthing	*	*	*	0.0	*	Darwen, to 9 p.m. ...	45	34	ot, od, cm	0.0	0.13
Brighton	*	*	*	0.0	*	Birmingham, to 9 p.m. ...	48	35	0	0.0	-

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max. °	Min. °				Max. °	Min. °		
3 Feb. 03									
Madeira (Funchal)	4			Ins.	Algiers	63	46	o. T	Ins. 0.32
Madrid					Tunis	57	41	cl. o	—
Corsica (I. Sanguinaires) ...	55	41	m o	0.63	Vienna	43	32	s o	0.08
Rome	52	45	o r	0.09	St. Petersburg... ..	36	32	o o	0.04
Florence	51	41	o o	0.12	Utrecht	46 1 p.m.	32	o 1 p.m.	Measured 7 a.m.
Trieste	52	41	6 o	—	Lugano	2. Feb. 03 39	—	o	1.03
Naples	54	46	o o	0.16	Davos	30	—	o	0.24
Palermo	63	45	o o	0.12	Lucerne	34	—	s	0.12
Malta... ..	60	48	? r	0.16	Lausanne	36	—	s	0.71

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is: b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.
* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium, Holland	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.
Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.		

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

4 Feb. 1903	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	7. 33	12. 7	4. 41
Greenwich	7. 36	12. 14	4. 52
Wick	8. 15	12. 26	4. 37
Valencia	8. 19	12. 55	5. 31

SUBSCRIPTIONS both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
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Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom Sixpence in addition to the cost of the inquiry and reply Telegrams. Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† Except at Oxford, where the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on

FRIDAY 6TH FEBRUARY.

1903

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.	YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
	BAROM.	TEMP.	WIND.	Weather.		BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9.)		TEMP.		Sun- shine. — Hours	Rainfall. — Ins.	
	At 32° and M.S.L.	Dry Bulb.	Dirac.			At 32° Fahr. and M.S.L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dirac.	Force (0 to 12.)				Max.	Min.			
	Ins.	°				Ins.	Ins.	°	°											
SCANDINAVIA.	Haparanda ...	29.17	29	SW	2	c	29.45	-05	28	27	+14	NW	2	b	*	20	0	*	0.04	
	Hernösand ...	29.66	37	SW	4	b	29.91	+24	35	30	+11	SW	2	a	*	41	21	*	-	
	Stockholm ...	29.90	41	WSW	6	b	30.00	+20	34	32	-5	SW	2	b	*	43	36	*	-	
	Wisby ...	30.05	38	SW	2	b	30.11	+21	37	35	0	W	2	b	*	41	25	*	-	
	Karlstad ...	30.00	40	WSW	2	b	30.00	+12	37	37	0	WSW	2	f	*	*	*	*	-	
	Färder (X'ania Fjord)	30.00	39	SW	4	b	29.96	+10	38	38	+1	WSW	6	f	3	41	37	*	-	
	Bodö ...	28.96	39	WNW	7	r	29.43	+20	37	36	-1	WSW	5	o	3	39	34	*	-	
	Christiansund ...	29.75	41	WSW	9	r	29.61	+18	47	44	+1	WSW	8	t	b	47	37	*	-	
	Skudesnaes ...	30.04	41	S	4	o	29.95	+01	42	41	+1	S	6	o	4	45	39	*	*	
BRITISH ISLANDS.	Sumburgh Head	29.80	44	SSW	2	o	29.53	-16	44	43	0	SSW	3	o	6	45	42	*	0.06	
	Stornoway ...	29.72	48	SW	6	+	29.43	-41	48	45	+4	WSW	8	o	8	49	42	0.1	0.09	
	Malin Head ...	29.86	47	SW	6	og	29.45	-53	47	45	0	SW	7	o	5	49	47	*	-	
	Blacksod Pt. ...	29.83	49	S	7	og	29.33	-65	51	48	+3	S	10	cqm	7	51	48	*	0.03	
	Valencia ...	29.91	49	S	5	og	29.55	-55	50	49	+2	S	6	omd	6	50	47	0.0	0.10	
	Roche's Point ...	30.04	49	S	5	o	29.72	-46	49	48	+1	S	8	om	6	50	47	*	0.01	
	Parsonstown ...	29.98	47	S	3	c	29.64	-48	48	44	0	S	5	og	*	49	47	0.1	-	
	Donaghadee ...	30.04	48	SW	2	o	29.74	-35	47	45	-1	SSW	4	o	3	51	46	*	0.02	
	Liverpool Obsy.	30.19	47	SSW	2	c	29.92	-30	40	38	-7	SE	3	bc	2	50	40	*	-	
	Holyhead ...	30.14	47	SSW	5	om	29.86	-36	45	43	-2	S	7	om	5	47	43	*	-	
	Pembroke (St. Ann's)	30.17	48	S	5	o	29.90	-37	47	45	0	SSW	5	og	4	48	44	0.0	-	
	Scilly (St. Mary's)...	30.16	49	S	6	o	29.90	-38	49	47	0	S	5	c	5	50	47	0.0	-	
	Jersey (St. Aubins)...	30.35	44	SE	5	b	30.13	-35	40	39	-2	SE	4	b	3	48	40	8.0	-	
	Portland Bill ...	30.33	44	SW	2	c	30.09	-31	44	42	-2	SSW	3	c	2	46	42	*	-	
	Dungeness ...	30.38	45	SW	3	c	30.15	-28	42	41	-4	S	4	bc	2	46	41	*	-	
	Wick ...	29.79	48	S	2	o	29.51	-32	47	45	+4	S	3	bc	2	50	40	*	-	
GERMANY, &c.	Nairn ...	29.83	50	WSW	4	c	29.54	-38	47	44	+2	SW	1	c	1	53	43	*	-	
	Aberdeen ...	29.95	48	S	5	ou	29.70	-27	45	42	0	SSW	5	o	2	50	44	0.4	-	
	Leith ...	30.01	50	SW	2	o	29.74	-26	46	43	-4	SSW	3	o	*	53	45	*	-	
	North Shields ...	30.12	50	SW	3	o	29.85	-28	43	41	-6	SSW	3	c	2	51	41	*	-	
	Spurn Head ...	30.23	46	SSW	4	bc	30.00	-26	42	41	-1	SSW	4	c	3	50	40	*	-	
	Yarmouth ...	30.31	47	SSW	3	cf	30.11	-22	40	39	-7	S	4	c	3	48	37	*	-	
	Loughborough ...	30.31	43	S	2	o	30.08	-31	41	40	-5	S	2	og	*	48	41	*	-	
	Oxford ...	30.34	45	SW	2	o	30.10	-29	39	38	-7	S	3	b	*	48	38	0.0	-	
	London (Brixton)	30.34	45	SW	2	o	30.10	-29	39	38	-7	S	3	b	*	48	38	0.0	-	
	The Scaw (Skagen)	30.13	40	WSW	4	f	30.10	+14	41	41	-1	WSW	3	m	1	43	39	*	-	
	Fanö ...	30.30	39	SSW	4	o	30.28	+07	37	37	-2	SSW	2	m	*	41	37	*	0.04	
	Cuxhaven ...	30.39	42	SW	2	o	30.32	+01	41	40	-1	SSW	3	o	*	43	39	*	-	
	The Helder ...	30.37	41	SW	3	o	30.21	-13	34	34	-7	S	1	o	0	43	32	*	-	
	Brussels ...	*	*	*	*	*	30.29	-24	34	33	-7	SE	1	o	*	42	33	*	-	
	Berlin ...	30.42	42	W	2	r	30.42	+17	41	40	-1	W	1	o	*	45	39	*	-	
	Frankfurt ...	30.51	40	E	2	c	30.42	-10	32	31	-7	E	2	b	*	45	30	*	-	
	Munich ...	30.50	26	SE	2	b	30.43	-12	15	15	-7	E	2	b	*	36	14	*	-	
FRANCE.	C. Gris Nez ...	30.38	42	SSW	3	bc	30.15	-23	35	34	-8	SSE	4	b	2	45	35	*	-	
	Brest ...	30.26	45	SE	4	o	30.06	-32	48	47	+2	SE	3	b	4	52	45	*	-	
	Lorient ...	30.29	46	SE	3	bc	30.29	-29	45	45	+3	SE	3	o	1	50	41	*	-	
	Rocheport ...	30.28	45	E	3	b	30.15	-24	37	36	-1	SE	3	b	*	54	36	*	-	
	Biarritz ...	30.32	52	E	3	b	30.17	-22	40	37	+5	SSE	1	b	3	55	35	*	-	
	Paris ...	30.44	39	ESE	2	b	30.26	-25	32	31	-10	SE	2	b	*	46	30	*	-	
	Belfort ...	30.49	33	ENE	3	m	30.39	-13	29	28	+1	ENE	3	m	*	41	28	*	-	
	Lyons ...	30.52	30	N	1	f	30.41	-15	27	27	-1	NNW	1	b	*	40	24	*	-	
SPAN. PEN.	Nice ...	30.41	47	Z	0	b	30.38	-05	43	37	+1	E	2	b	*	55	41	*	-	
	Perpignan ...	30.40	42	Z	0	b	30.28	-16	34	34	+2	SW	1	b	*	54	31	*	-	
	Corunna ...	30.17	53	ESE	4	b	30.14	-18	49	49	+6	NNW	2	o	*	57	43	*	0.04	
SPAN. PEN.	Lisbon ...	30.17	53	ESE	4	b	30.14	-18	49	49	+6	NNW	2	o	*	57	43	*	0.04	
	Azores (P. Delgada)	30.19	52	Z	0	bc	30.20	+26	55	49	-6	SW	4	m	2	61	50	*	-	

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.

WEATHER CHARTS

FOR FRIDAY, 6th FEBRUARY, 1903.

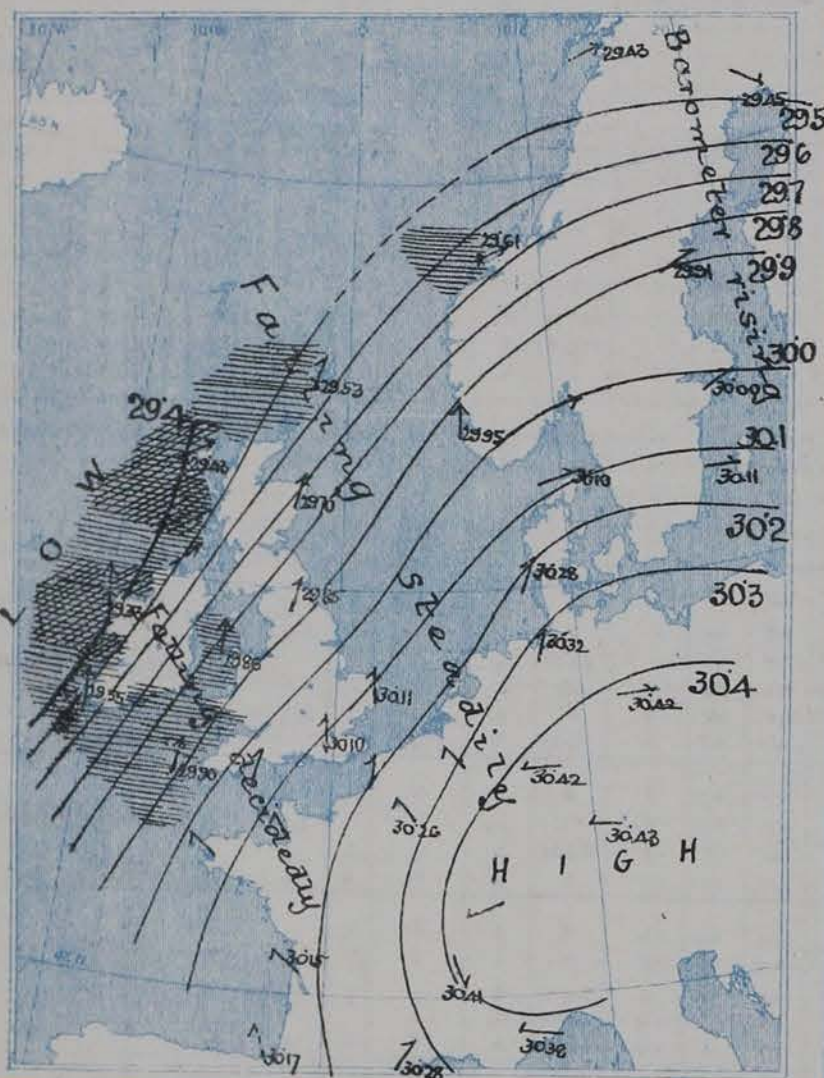
I. BAROMETER, WIND AND SEA. This Morning.

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → Force 5 to 7 → } Calm ☉
Force 8 to 10 → Force 1 to 4 →

SEA.—Rough High

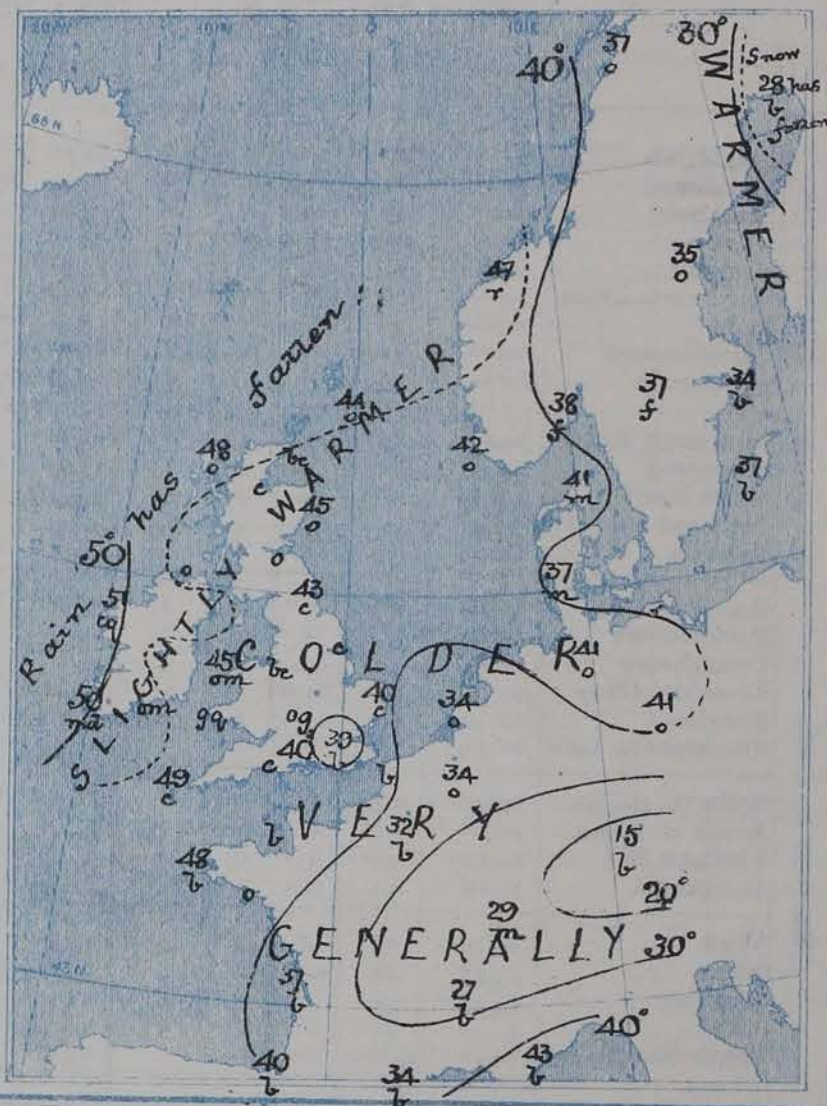


II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

(A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus:—0.6)



III. BAROMETER AND WIND

Yesterday morning



IV. Means of Daily Recorded BRIGHT SUNSHINE (1881-1900), together with Means of Possible Duration for FEBRUARY.

Specimen { Average N° of Hours daily } 2.2
(for Stornoway) { Total Possible } 9.2



V. Means of DAILY TEMPERATURE

at 8 A.M. for the Two monthly period

JANUARY-FEBRUARY (1871-1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The general distribution of pressure has undergone little change, the barometer being highest, 30.5 in. and upwards, over Central France, Belgium and South Germany, and lowest, 29.3 in. and less, in a cyclonic system lying off the northern parts of the Norwegian coast. The high pressure, however, moving eastwards, and the barometer is falling in France and on our own south-west coasts; in nearly all other parts of our Islands the mercury is rising slightly. In Scandinavia the barometer is falling, and over the western and central parts of that peninsula the gradients are rather steep.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind is S.W.^{ly} over North-western Europe generally - light or moderate in force in most places, but strong to a gale at Christiansund. On our own south-west coasts, however, the wind is S.^{ly}, while in the west of France it is light from E. or S.E. Temperature has changed very little, but is inclined to fall at all but the Scandinavian stations. Over the United Kingdom the thermometer remains high for the time of year, the readings being above 45° in most places, and as high as 50° at Leith. Frost still prevails in some parts of Central France and South Germany, the lowest readings reported being 22° at Munich and 28° at Belfort and Lyons. In Sweden the thermometer has risen briskly, but is still as low as 14° at Haparanda. The weather is fine over the northern and eastern parts of Great Britain and also over France, but is cloudy or dull elsewhere, with rain at several of the Irish stations. The sea is rough at Lumburgh Head, and rather rough on our extreme south-western, western and northern coasts generally, but slight or smooth elsewhere.

During yesterday the thermometer rose to 50° or slightly above it at several of our own western and northern stations. The amount of bright sunshine was small; in very many places there was none. Rain has fallen at our western and extreme northern and southern stations, the quantity being mostly small, but rather large at Valencia (Ireland).


PROBABLE CHANGES IN SYSTEM NOW PREVALENT


The anticyclone over France will probably continue to move eastwards, and the wind on our southern coasts will back to the S.E.^d; the weather in the south and east of England becoming temporarily finer and colder. Over the northern parts of the Kingdom mild S.W.^{ly} breezes are likely to continue for a time, and at outlying stations they will probably blow strongly.

FORECASTS *

For the 24 hours ending at NOON on 6th February, 1903

DISTRICTS.		FORECASTS.	DISTRICTS.		FORECASTS.
0 न	{ SCOTLAND NORTH	{ W ^{ly} and S.W ^{ly} winds, strong in places; cloudy, slight rain locally.	6 न	{ SCOTLAND WEST	S.W ^{ly} winds, fresh or strong; cloudy, showery.
1	{ SCOTLAND EAST		7	{ ENGLAND N.W.	S.W ^{ly} to S ^{ly} winds, moderate; cloudy, slight rain locally.
2	{ ENGLAND N.E.		8 न	{ ENGLAND S.W.	S ^{ly} to S.E ^{ly} winds, fresh; fair generally, cooler.
3	{ ENGLAND EAST	{ S.W ^{ly} winds, light, fair, mild.	9 न	{ IRELAND NORTH	Same as No. 6.
4	{ MIDLAND COUNTIES		10 न	{ IRELAND SOUTH	S ^{ly} to S.E ^{ly} winds, freshening; cloudy, some rain.
5	{ ENGLAND SOUTH		WARNINGS		
At 7 p.m. yesterday to district 6 and parts of 0 and 9, Hoist South Cone. At 10.15 a.m. to-day to district 7 and part of 9, Lower Cone.					

Note.—The South Cone, point downwards (), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.

The North Cone, point upwards (), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

* For terms for transmission of Forecasts by Telegraph, see next page

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.				THIS MORNING 8 A.M.							PAST 24 HOURS.				
	Bar.	Temp.	Wind.	Weather.	Barometer.	Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun-	Rainfall
	Ins.	°			Ins. Change.	Dry.	Wet.	Change.					Max.	Min.	shine.	Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	0	*	c	47	42	0.0	-
Newton Reigny (Penrith) ...	30.10	46	SW 3	+	30.08 -0.4	46	45	+1	SW 4	0	*	q, o, g, r, q	49	44	1.6	0.29
Bath	30.37	49	SW 4	0	30.37 -0.3	47	45	+3	SW 1	0	*	-	49	44	0.0	-

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m....	49	39	0, 07	0.0	0.01	Eastbourne,	*	*	*	0.1	*
Rhyl,	*	*	*	0.5	*	Hastings	*	*	*	0.0	*
Llandudno	*	*	*	2.0	*	Lowestoft, to 6 p.m. ...	45	41	c, b, o, c	1.1	-
Aberystwyth, to 6 p.m. ...	47	44	0	0.0	0.05	Harrogate, to 6 p.m. ...	51	43	o, c	0.6	-
Plymouth, to 9 p.m....	49	46	o, p, b, c	0.6	0.05	Manchester, to 9 p.m. ...	49	36	ou, b, c, o	0.8	-
Worthing	*	*	*	0.1	*	Darwen, to 9 p.m. ...	47	37	cm, o	0.0	0.01
Brighton	*	*	*	0.2	*	Birmingham, to 9 p.m. ...	49	42	o, c	0.8	-

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
4 Feb. 03				Ins.					Ins.
Madeira (Funchal) <i>Not recd.</i>					Algiers	55	46	c c	
Madrid	50	27	b c	-	Tunis	59	43	o o	0.04
Corsica (I. Sanguinaires) ...	52	41	f f	-	Vienna	39	36	o s	-
Rome	51	46	o c	0.04	St. Petersburg... ..	34	12	c c	
Florence	52	41	c b	-	Lugano ... 3. Feb. 03.	<i>not recd</i>			
Trieste	50	37	b b	-	Davos				
Naples	53	47	o o	0.12	Lucerne				
Palermo	60	43	r r	0.35	Lausanne				
Malta... ..	50	45	? o	0.59					

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.
* AN ASTERISK is inserted in all places for which information is not usually received.

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	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium, Holland	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.
Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris) ...	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal	8 a.m. (Lisbon) ...	8.36 a.m.		

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

5. Feb. 1903	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	7.31	12.7	4.43
Greenwich	7.34	12.14	4.54
Wick	8.12	12.26	4.40
Valencia	8.17	12.55	5.33

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† Except at Oxford, where the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on

SATURDAY 7TH FEBRUARY

1903

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.	YESTERDAY EVENING. (See note on last page.)						THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
	BAROM.	TEMP.	WIND.				BAROMETER.	TEMPERATURE.	WIND.								TEMP.				
	At 32° and M.S.L.	Dry Bulb.	Dirac.	Force (0 to 12.)	Weather.		At 32° Fabr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dirac.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Max.	Min.	Sun- shine. — Hours	Rainfall. — Ins.	
	Ins.	°					Ins.	Ins.	°	°											
SCANDINAVIA.	Haparanda ...	29.47	22	NW	2	o	29.05	-40	28	28	0	SE	4	f	*	-	30	21	*	-	
	Hernösand ...	29.60	32	Z	0	bc	29.31	-60	35	30	0	SW	4	bc	*	-	39	32	*	-	
	Stockholm ...	29.86	38	SW	2	o	29.67	-33	35	34	+1	SW	2	o	*	-	45	32	*	-	
	Wisby ...	30.02	39	W	2	o	29.82	-29	35	34	-2	SW	2	o	*	-	43	32	*	-	
	Karlstad ...	29.92	37	WSW	4	o	29.65	-35	37	37	0	S	6	o	*	-	*	*	*	-	
	Færder (X'iania Fjord)	29.87	38	SSW	6	m	29.60	-36	39	38	+1	SW	6	m	4	-	39	37	*	-	
	Bodö ...	29.27	42	SW	6	t	28.72	-71	43	38	+6	SW	8	t	5	-	43	36	*	-	
	Christiansund ...	29.28	39	Z	0	bc	29.14	-47	41	36	-6	WSW	9	t	6	-	47	36	*	-	0.12
BRITISH ISLANDS.	Skudesnaes ...	29.67	40	S	8	o	29.66	-29	41	38	-1	WSW	6	b	5	o	42	39	*	-	
	Sumburgh Head ...	29.02	44	S	6	o	29.28	-25	41	40	-3	WSW	5	o	7	o	45	40	*	-	0.18
	Stornoway ...	29.11	40	WNW	9	r	29.32	-11	42	41	-6	SSW	7	t	7	t	49	36	0.0	-	0.41
	Malin Head ...	29.52	44	SW	8	cthyq.	29.46	+01	40	40	-7	SW	8	t	6	cthyq.	48	39	*	-	0.20
	Blacksod Pt. ...	29.68	44	W	6	bcqhyq.															
	Valencia ...	29.86	45	WSW	4	o	29.70	+15	47	46	-3	S	6	tm	5	c, o	51	42	1.5	-	0.20
	Roche's Point ...	29.86	46	WNW	3	bc	29.83	+11	48	46	-1	SW	5	om	5	c, bc	51	43	*	-	0.03
	Parsonstown ...	29.79	43	W	1	cqp	29.67	+03	45	43	-3	S	5	otq.	*	cqp	52	39	2.3	-	0.07
GERMANY, &c.	Donaghadee ...	29.64	44	W	5	c	29.67	-07	44	42	-3	SW	3	ot	3	-	49	38	*	-	0.06
	Liverpool Obsy. ...	29.79	50	WSW	5	cp	29.88	-04	43	40	+3	SSW	4	bc	2	c, cp	52	40	*	-	0.02
	Holyhead ...	29.76	48	WSW	7	cdj	29.80	-06	46	45	+1	SW	7	c	6	ogq, cdj	49	43	*	-	0.03
	Pembroke (St. Ann's)	29.87	48	SW	6	c	29.93	+03	47	46	0	S	6	ogu	6	-	49	45	0.1	-	0.03
	Scilly (St. Mary's) ...	29.90	51	WSW	4	o	30.00	+10	50	49	+1	SSW	4	om	6	c, o	54	47	1.3	-	
	Jersey (St. Aubins) ...	30.09	41	SSE	3	bm	30.22	+09	43	42	+3	SSE	3	f	3	of, bm	45	39	4.1	-	0.01
	Portland Bill ...	30.04	45	SSW	2	c	30.09	00	48	47	+4	SW	3	c	2	c	48	43	*	-	
	Dungeness ...	30.03	46	SW	4	b	30.15	00	46	46	+4	SW	5	cu	3	b	48	41	*	-	
FRANCE.	Wick ...	29.04	45	SW	8	c	29.36	-15	40	38	-7	SW	4	ctsp.	3	-	50	30	*	-	0.03
	Nairn ...	29.27	43	WSW	4	c	29.44	-10	40	38	-7	SW	2	c	1	-	51	35	*	-	0.05
	Aberdeen ...	29.36	47	SW	6	bc	29.58	-12	39	36	-6	SW	4	c	5	c, bc	47	35	0.5	-	0.03
	Leith ...	29.51	46	SW	3	o	29.64	-10	42	39	-4	S	3	t	*	-	50	39	*	-	0.06
	North Shields ...	29.59	48	SSW	3	c	29.77	-08	42	41	-1	SSW	3	o	2	c, p	51	39	*	-	
	Spurn Head ...	29.82	44	SSW	5	bc	29.95	-05	42	41	0	SSE	3	c	2	-	47	40	*	-	
	Yarmouth ...	29.95	43	SSW	4	bc	30.04	-07	45	45	+5	SW	4	of	3	b, bc	45	38	*	-	
	Loughborough ...																				
SPAN. PEN.	Oxford ...	30.00	45	S	3	bc	30.04	-04	48	47	+7	S	2	ad	*	o, bc	48	41	*	-	
	London (Brixton) ...	30.02	43	WSW	4	bc	30.08	-02	49	47	+10	SSW	3	og	*	b, bc, o	52	39	5.3	-	
	The Scaw (Skagen) ...	29.94	38	SW	4	m	29.75	-35	41	40	0	W	5	m	1	-	43	37	*	-	
	Fanö ...	29.98	38	S	6	b	29.96	-32	38	38	+1	SSW	4	m	*	-	39	36	*	-	
	Cuxhaven ...	30.13	40	S	2	b	30.08	-24	36	35	-5	SW	3	o	*	-	41	36	*	-	
	The Helder ...	30.02	39	SSW	2	b	30.06	-15	41	41	+7	SW	2	t	2	-	46	34	*	-	
	Brussels ...	*	*	*	*	*	30.24	-05	35	34	+1	SSW	2	c	*	-	51	33	*	-	
	Berlin ...	30.26	39	SE	1	b	30.17	-25	34	32	-7	S	2	b	*	-	46	32	*	-	
FRANCE.	Frankfurt ...	30.28	34	SE	2	b	30.32	-10	28	28	-4	W	1	b	*	-	45	28	*	-	
	Munich ...	30.35	21	SE	2	b	30.39	-04	22	21	+7	SSE	1	b	*	-	27	15	*	-	
	C. Gris Nez ...	30.06	44	S	4	b	30.11	-04	41	41	+6	S	4	o	4	-	46	35	*	-	
	Brest ...	30.07	49	S	3	b	30.16	+10	49	48	+1	S	3	b	5	-	50	41	*	-	
	Lorient ...	30.12	48	SE	2	c	30.21	+11	49	49	+4	S	3	m	3	-	55	43	*	-	
	Rochefort ...	30.10	49	S	3	b	30.28	+13	39	39	+2	SSE	4	b	*	-	54	37	*	-	
	Biarritz ...	30.19	55	S	2	b	30.30	+13	52	49	+12	SSE	3	b	2	-	64	40	*	-	
	Paris ...	30.17	41	S	2	b	30.29	+03	30	30	-2	SSW	2	b	*	-	49	30	*	-	
SPAN. PEN.	Belfort ...	30.28	40	NE	4	b	30.35	-04	38	34	+9	WSW	2	m	*	-	46	29	*	-	
	Lyons ...	29.91	48	SSE	1	b	30.41	00	33	33	+6	SW	1	b	*	-	55	27	*	-	
	Nice ...																				
	Perpignan ...	30.25	46	NE	1	b	30.38	+10	34	33	0	SW	1	b	*	-	55	32	*	-	
SPAN. PEN.	Corunna ...																				
	Lisbon ...																				
SPAN. PEN.	Azores (P. Delgada)																				
	" (Horta) ...	30.16	60	S	4	o	30.04	-16	61	60	+6	S	5	o	3	-	63	55	*	-	

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

* Observations for this column not generally received.

+ Observations received too late for insertion in Charts on next page.

WEATHER CHARTS

FOR *Saturday, 7th February, 1903.*

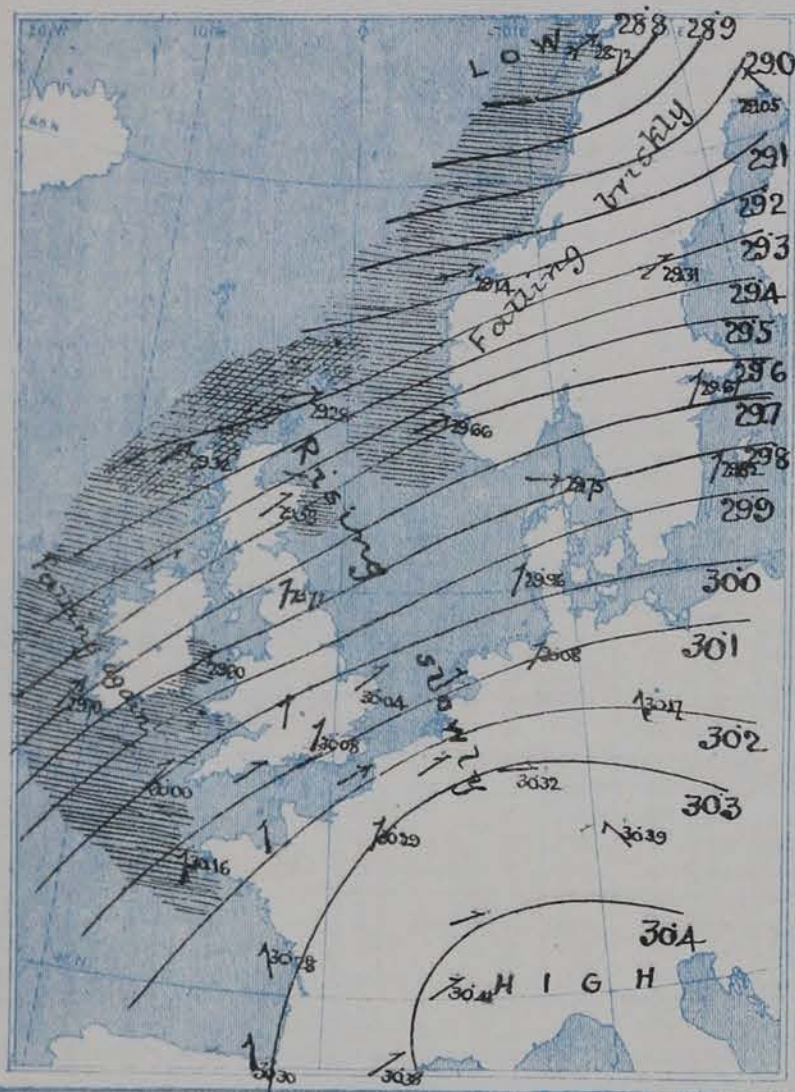
I. BAROMETER, WIND AND SEA. This Morning.

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → Force 5 to 7 → } Calm ☉
Force 8 to 10 → Force 1 to 4 →

SEA.—Rough High

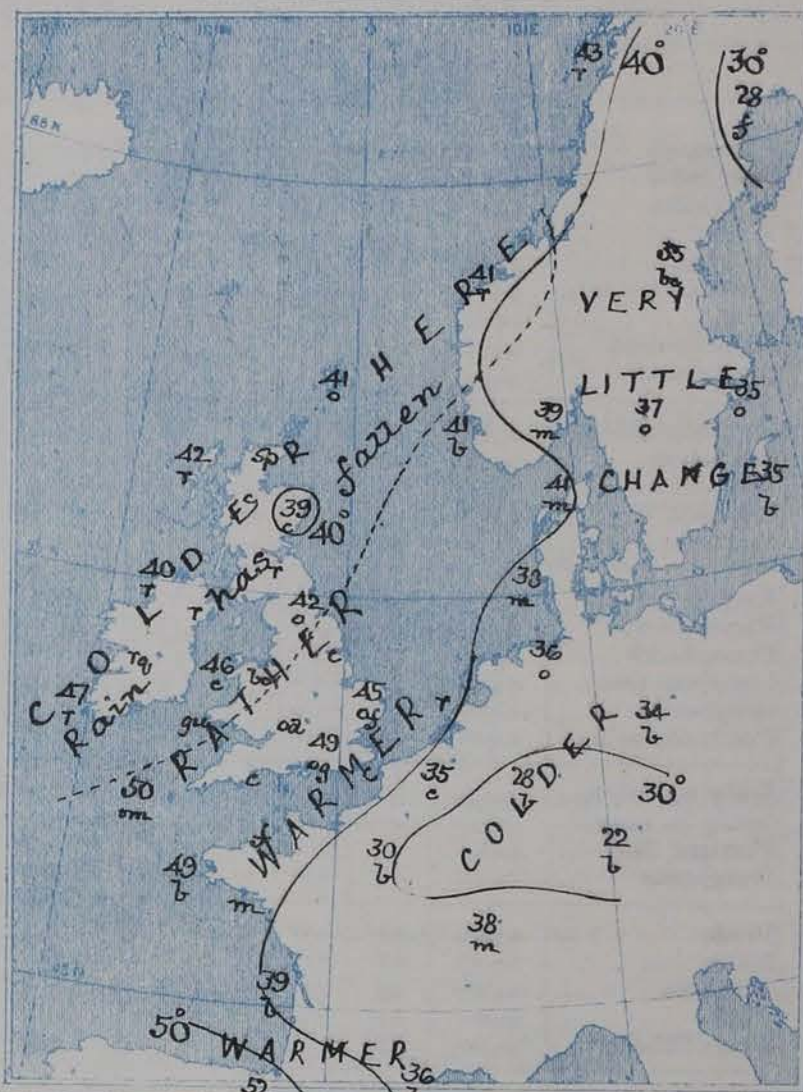


II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

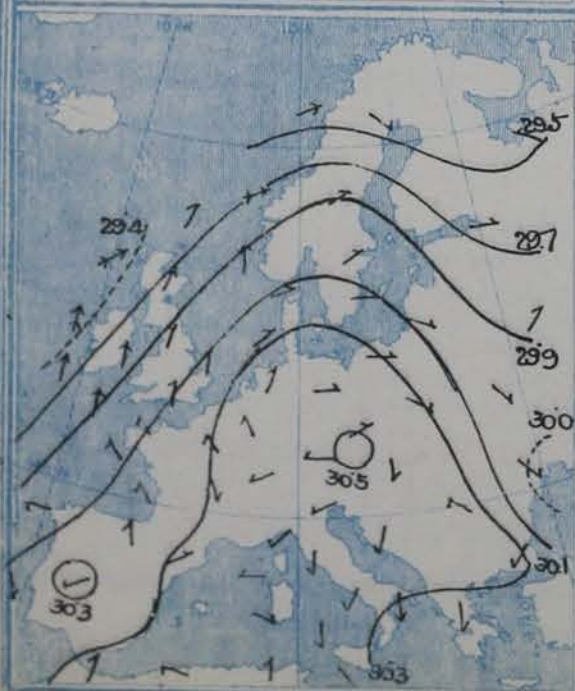
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAIN.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6



III. BAROMETER AND WIND

Yesterday morning



IV. Means of Daily Recorded BRIGHT SUNSHINE (1881-1900), together with Means of Possible Duration for FEBRUARY.

Specimen { Average No of } 2.2
(for Stornoway) { Hours daily }
{ Total Possible } 9.2



V. Means of DAILY TEMPERATURE

at 8 A.M. for the Twomonthly period

JANUARY-FEBRUARY (1871-1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

A large cyclonic disturbance, with minimum pressures below 29.4 in. has appeared off our extreme western coasts, and the barometer is falling over Western Europe generally - quickly in Ireland and the west of Scotland. Over Ireland, Scotland, the west of Norway and the northern parts of the North Sea, the barometric gradient is now steep, and is apparently increasing. The highest pressures, 30.4 in. and upwards, are found in an anticyclone lying over Germany.

WIND

TEMPERATURE

WEATHER

AND

SEA

S²s winds are reported over the United Kingdom generally, and blow with the force of a gale in Ireland and the Hebrides; in Scandinavia and Denmark the wind is S.W.²s, with a gale at Christiansund. Light E²s breezes prevail in South Germany and the east of France, and S.E.²s breezes in the west of France. Temperature has risen slightly in Ireland and Scotland, and now exceeds 45° at most of our western and northern stations, the highest readings reported being 51° at Blackrod Point and 50° at Valencia (Ireland). Over England and the western parts of the Continent generally the thermometer has fallen, the readings in the former country being as a rule very little above 40°; in London the reading is 39°, and corresponds very closely with the average. Frost still prevails in Central France and South Germany, the lowest morning temperatures reported being 15° at Munich, 26° at Lyons and 29° at Belfort. The weather is fair or fine in the south and east of England and also in France and the southern parts of Sweden and Germany. Elsewhere the sky is cloudy or overcast, with rain at Valencia (Ireland), and also at Christiansund. The sea is high on our extreme north-west coasts, and rough, or rather so, in the west and extreme north generally. During yesterday the thermometer rose to 50° or slightly above it at most of our western and northern stations. The amount of bright sunshine was generally very small (in many places there was none), but was as much as 8 hours at Jersey. Slight rain has fallen in Ireland and the west and north of Scotland.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The cyclonic system in the west will probably spread eastwards, and rain is therefore probable over a considerable portion of the United Kingdom. It is not unlikely that the disturbance will prove of a "V shaped" character, and that in its rear the wind on our western coasts will shift to the W^d. or N.W^d.

FORECASTS *

For the 24 hours ending at NOON on 7th February, 1903

DISTRICTS.

FORECASTS.

0 ⁿ	SCOTLAND NORTH	S ² s winds, increasing to a gale; dull, squally, some rain.
1 ⁿ	SCOTLAND EAST	
2	ENGLAND N.E.	S ² s winds, freshening; fair and cool at first, cloudy later and milder, with slight rain.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	



DISTRICTS.

FORECASTS.

6 ⁿ	SCOTLAND WEST	S ² s gales and strong winds, shifting later to the W ^d . or N.W ^d , dull, squally, some rain.
7 ⁿ	ENGLAND N.W.	
8 ⁿ	ENGLAND S.W.	
9 ⁿ	IRELAND NORTH	
10 ⁿ	IRELAND SOUTH	

WARNINGS

At 7 p.m. yesterday to districts 7 and 8, and at 9.40 a.m. to-day to district 1, Hoist South Cone. The signals are also flying in districts 0, 6, 9 and 10.

Note.—The South Cone, point downwards (), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone. The North Cone, point upwards (), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

* For terms for transmission of Forecasts by Telegraph, see next page

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.				THIS MORNING 3 A.M.								PAST 24 HOURS.				
	Bar Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.		
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	bc	*	bc	44	40	0.0	-
Newton Reigny (Penrith)	30.08	45	SW 5	c	29.82	-26	41	40	-5	SSE 3	0	*	c, o	48	40	2.0	-
Bath	30.40	46	SW 2	o	30.06	-31	44	41	-3	SW 2	0	*	-	49	42	0.0	-

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m....	52	46	b, c, o	3.7	0.05	Eastbourne, ...	50	40	*	0.0	*
Rhyl,	*	*	*	1.3	*	Hastings	*	*	*	0.0	*
Llandudno	*	*	*	3.5	*	Lowestoft, to 6 p.m. ...	47	42	c, o	0.0	-
Aberystwyth, to 6 p.m. ...	48	45	o	0.0	-	Harrogate, to 6 p.m. ...	51	45	c, n	3.0	-
Plymouth, to 9 p.m....	49	45	o	0.0	-	Manchester, to 9 p.m. ...	49	43	b, c, o	1.3	-
Worthing	*	*	*	0.0	*	Darwen, to 9 p.m. ...	47	42	r, o, c, o, sm	1.0	0.12
Brighton	*	*	*	0.0	*	Birmingham, to 9 p.m. ...	47	43	o	0.0	-

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
5 Feb. 03									
Madeira (Funchal) <i>Not Recd.</i>				Ins.	Algiers	55	48	c o	Ins.
Madrid	55	27	b b	-	Tunis	61	48	o o	-
Corsica (I. Sanguinaires) ...	54	43	f f	-	Vienna	41	37	o o	0.08
Rome	56	47	c c	0.08	St. Petersburg	25	12	o s	0.04
Florence	51	34	b b	-	1 p.m.			1 p.m.	Measured 7 a.m.
Trieste	48	39	bc b	-	Lugano ... 4. Feb. 03	39	-	b	-
Naples	51	45	o b	-	Davos	25	-	b	-
Palermo	54	43	c b	-	Lucerne	32	-	b	-
Malta	55	50	? bc	-	Lausanne	36	-	b	-

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

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Germany, Denmark Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris) ...	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal	8 a.m. (Lisbon) ...	8.36 a.m.		

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

6 Feb. 1903	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	7.29	12.7	4.45
Greenwich	7.33	12.14	4.55
Wick	8.10	12.26	4.42
Valencia	8.15	12.55	5.35

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† Except at Oxford, where the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on *Sunday, 8th February.*

1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)						THIS MORNING. (See note on last page.)										PAST 24 HOURS.					
		BAROM.		TEMP.		WIND.		BAROMETER.		TEMPERATURE.				WIND.		Sea (0 to 9.)	Weather.	Temp.				Sun- shine. Hours.	Rainfall. Ins.
		At 82° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather	At 82° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)	Weather.	Max.			Min.					
																			Ins.	°	Ins.		
SCANDINAVIA.	Haparanda ...	28.87	27	W	6	C	28.54	-0.51	29	28	+1	SW	2	C	*	-	32	0	*	-			
	Hernösand ...	29.12	36	SW	4	B	28.58	-0.73	34	33	-1	SSW	2	O	*	-	43	28	*	0.04			
	Stockholm ...	29.52	39	SW	4	O	28.79	-0.88	45	39	+10	W	9	B	*	-	45	34	*	0.04			
	Wisby ...	29.71	37	W	4	bc	29.07	-0.75	41	41	+6	W	6	O	*	-	41	30	*	0.08			
	Karlstad ...	29.41	36	WSW	6	T	29.04	-0.61	41	35	+4	WNW	8	B	*	-	*	*	*	0.08			
	Færder (X'iania Fjord)	29.34	37	SSW	7	O	29.18	-0.42	40	36	+1	WSW	6	B	4	-	40	37	*	-			
	Bodö ...	28.50	34	WSW	8	m	28.36	-0.36	35	34	-8	WSW	8	m	5	-	43	34	*	-			
	Christiansund ...	28.89	35	W	6	S	29.04	-0.10	35	34	-6	WNW	9	S	8	-	41	30	*	1.10			
	Skudesnaes ...	29.11	41	SSW	9	T	29.36	-0.30	39	36	-2	NW	6	C	5	0.7	43	37	*	*			
BRITISH ISLANDS.	Sumburgh Head	28.82	40	WSW	4	O	29.49	+0.21	37	33	-4	WNW	3	O	6	O	43	35	*	0.13			
	Stornoway ...	29.12	42	WNW	5	T	29.52	+0.20	38	36	-4	NW	2	B	2	T	51	35	0.0	0.33			
	Malin Head ...	29.23	52	WSW	9	omr	29.51	+0.05	51	50	+11	WSW	9	Tg	7	0.0gmr	52	39	*	0.47			
	Blacksod Pt. ...	29.78	53	SW	6	om	29.96	+0.26	53	52	+6	SW	6	omg	6	omg,om	54	47	0.0	0.08			
	Valencia ...	29.78	53	SW	6	om	29.96	+0.26	53	52	+6	SW	6	omg	6	omg,om	54	47	0.0	0.08			
	Roche's Point ...	29.85	51	WSW	5	omr	30.01	+0.18	52	52	+4	WSW	5	om	4	0.0mr	52	47	*	0.06			
	Parsonstown ...	29.68	54	SSW	6	T	29.87	+0.20	54	52	+9	SW	7	omg	*	0.0g	55	44	0.0	0.04			
	Donaghadee ...	29.44	45	SW	5	Cg	29.69	+0.02	55	53	+11	SW	5	Og	3	-	55	42	*	0.20			
	Liverpool Obsy.	29.71	50	WSW	8	O	29.91	+0.03	52	49	+9	SW	5	O	4	bc,0	52	43	*	0.04			
	Holyhead ...	29.70	49	SW	8	0.0gmr	29.89	+0.09	49	49	+3	SW	8	fg	6	0.0gmr	49	45	*	0.19			
	Pembroke (St. Ann's)	29.89	47	SSW	7	O	30.06	+0.13	49	49	+2	SSW	7	omg	6	-	50	46	0.0	0.12			
	Scilly (St. Mary's)...	30.03	51	SW	6	op	30.17	+0.17	49	49	-1	SW	6	f	6	0.0p	53	49	0.0	-			
Jersey (St. Aubins)...	30.22	49	SSW	4	omg	30.35	+0.13	48	47	+5	SW	4	cg	3	f,c,omg	52	42	1.5	-				
Portland Bill ...	30.09	49	WSW	4	T	30.19	+0.10	48	48	0	WSW	5	d	4	c,T	50	47	*	0.04				
Dungeness ...	30.08	49	SW	7	O	30.16	+0.01	48	48	+2	WSW	6	om	4	c,O	49	41	*	0.02				
GERMANY, &c.	Wick ...	29.04	42	W	4	T	29.54	+0.18	35	34	-5	W	2	O	1	-	48	34	*	0.10			
	Nairn ...	29.11	45	WSW	3	O	29.58	+0.14	37	37	-3	Z	0	T	1	-	50	36	*	0.18			
	Aberdeen ...	29.11	51	SW	5	O	29.63	+0.05	37	37	-2	NW	2	d	2	0.0p	52	37	0.0	0.10			
	Leith ...	29.24	50	WSW	7	T	29.58	+0.06	45	44	+3	NE	1	T	*	-	54	41	*	0.61			
	North Shields ...	29.39	51	SSW	5	C	29.63	-0.14	56	54	+14	SW	3	O	2	0.0cg	56	42	*	-			
	Spurn Head ...	29.72	48	SW	7	C	29.83	-0.12	52	51	+10	SSW	6	bc	3	0.0g	53	42	*	-			
	Yarmouth ...	29.87	51	WSW	6	Og	29.97	+0.07	53	50	+8	WSW	6	C	4	C	53	42	*	-			
	Loughborough ...	29.98	50	SW	5	O	30.10	+0.06	52	50	+4	SW	4	ogp	*	-	53	47	*	-			
	Oxford ...	29.98	50	SW	5	O	30.10	+0.06	52	50	+4	SW	4	ogp	*	-	53	47	*	-			
	London (Brixton)...	30.01	51	WSW	6	od	30.13	+0.05	52	50	+3	SW	5	og	*	0.0g	53	48	0.0	0.02			
	The Scaw (Skagen)	29.52	40	SW	5	T	29.32	-0.43	41	40	0	WNW	7	m	2	-	45	39	*	0.20			
	Fanö ...	29.62	41	SSW	8	O	29.69	-0.27	41	41	+3	WSW	6	m	*	-	43	36	*	0.12			
Cuxhaven ...	29.96	44	SW	5	O	29.87	-0.21	46	45	+10	WSW	7	T	*	0.0g	46	36	*	0.20				
The Helder ...	29.88	45	SW	8	T	?	?	46	45	+6	?	8	O	7	-	46	41	*	0.04				
Brussels ...	*	*	*	*	*	30.26	+0.02	46	44	+11	SW	5	T	*	-	46	35	*	-				
Berlin ...	30.15	39	S	2	B	29.97	-0.20	46	43	+12	SSW	3	O	*	-	46	34	*	-				
Frankfurt ...	30.28	38	W	2	B	30.27	-0.05	41	40	+13	SW	6	O	*	-	43	28	*	-				
Munich ...	30.42	32	SW	2	B	30.48	+0.09	34	31	+12	SW	4	O	*	-	43	21	*	-				
FRANCE.	C. Grjs Nez ...	30.08	44	SW	5	O	30.20	+0.09	49	46	+8	WSW	6	T	6	-	?	?	*	0.04			
	Brest ...	30.23	50	SW	3	O	30.35	+0.19	49	49	0	SW	4	O	5	-	52	48	*	-			
	Lorient ...	30.29	50	WSW	3	O	30.38	+0.17	49	49	0	SW	4	C	4	-	54	46	*	-			
	Rochefort ...	30.33	48	S	3	C	30.44	+0.16	41	41	+2	SE	4	O	3	0.0	55	37	*	-			
	Biarritz ...	30.39	55	Z	0	B	30.51	+0.21	49	48	-3	S	1	B	3	-	64	45	*	-			
	Paris ...	30.34	46	SSW	3	bc	30.41	+0.12	41	40	+11	SSW	3	O	*	-	49	30	*	-			
SPAN. PEN.	Belfort ...	30.41	41	WSW	3	m	30.53	+0.18	37	32	-1	WSW	4	C	*	-	49	34	*	-			
	Lyons ...	30.47	45	SSE	1	B	30.63	+0.22	33	32	0	SW	1	B	*	-	54	32	*	-			
	Nice ...	30.47	45	E	1	B	30.60	+0.22	33	32	-1	SW	1	B	*	-	53	32	*	-			
	Perpignan ...	30.47	45	E	1	B	30.60	+0.22	33	32	-1	SW	1	B	*	-	53	32	*	-			
Corunna ...	30.83	55	ENE	3	B	30.46	+0.22	48	?	-1	NNE	3	B	*	-	57	48	*	0.04				
Lisbon ...	30.12	60	SSW	6	m	30.10	-0.07	60	59	+1	S	5	m	5	-	63	59	*	0.08				
Azores (P. Delgada)	29.91	62	S	7	O	29.93	-0.11	60	59	-1	SW	4	O	2	-	63	59	*	0.32				

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.

WEATHER CHARTS

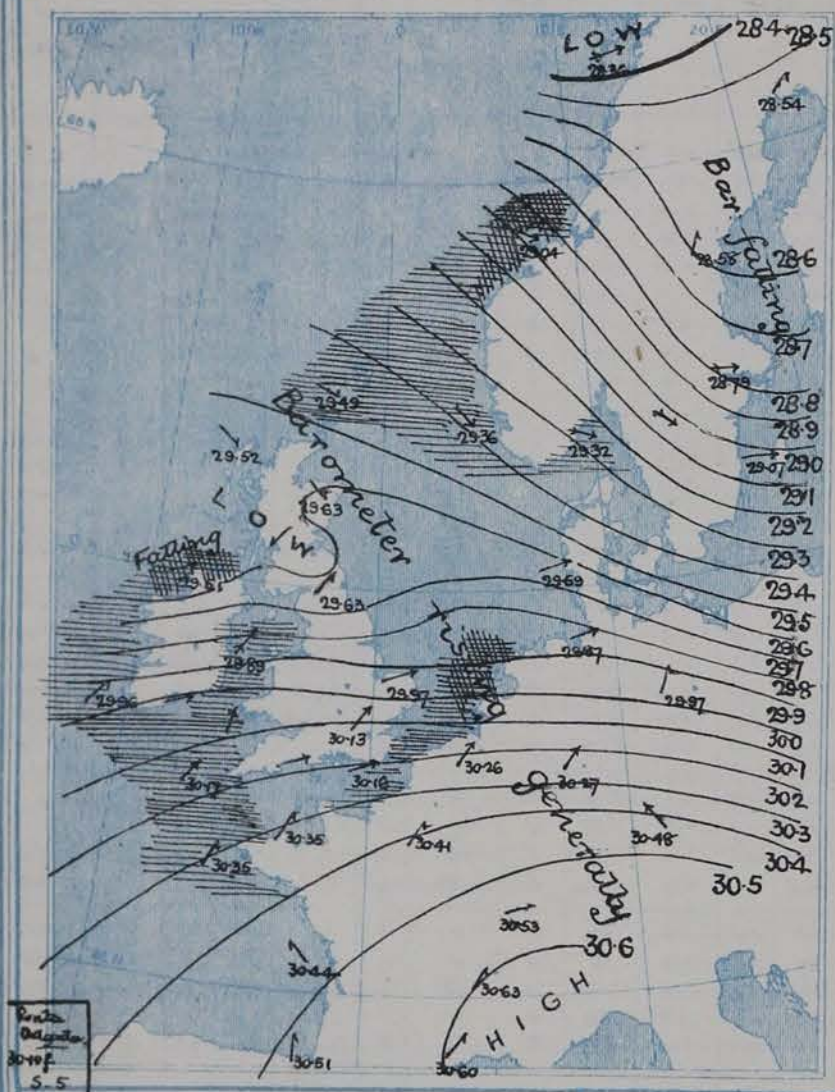
FOR Sunday, 8th February, 1903.

I. BAROMETER, WIND AND SEA. This Morning.

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → Force 5 to 7 → } Calm ☉
Force 8 to 10 → Force 1 to 4 → }
SEA—Rough High



II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus: 0.6



III. BAROMETER AND WIND

Yesterday morning

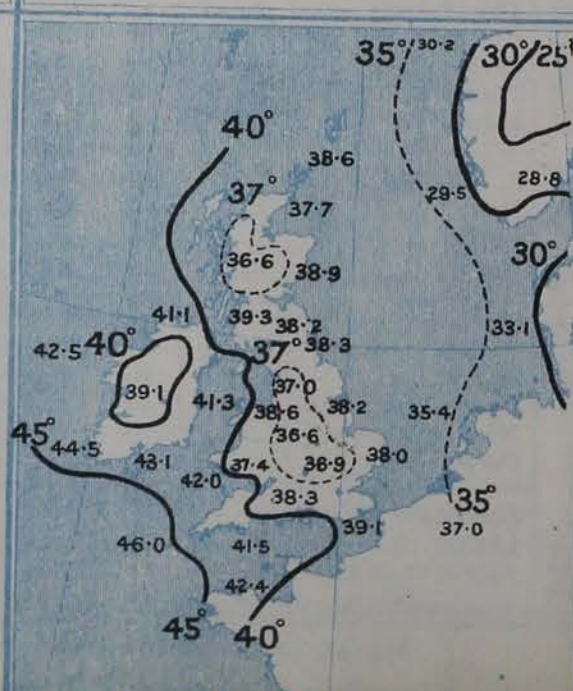


IV. Means of Daily Recorded BRIGHT SUNSHINE (1881-1900), together with Means of Possible Duration for FEBRUARY.

Specimen { Average N° of } 2.2
(for Stornoway) { Hours daily }
{ Total Possible } 9.2



V. Means of DAILY TEMPERATURE at 8 A.M. for the monthly period FEBRUARY (1871-1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The cyclonic system which lay to the westward of our Islands yesterday proves to have been large and deep and has travelled quickly north-eastwards, its centre being shown this morning off the coast of Finmark, where the lowest pressures, 28.8 ins and less, are now reported. A new disturbance is, however, beginning to affect our western coasts, the rise in the barometer which took place in the rear of yesterday's depression being now succeeded by a brisk fall. Gradients are steep over Scandinavia and the northern parts of the North Sea, and rather steep over North-eastern Europe generally. The highest pressures, 30.4 inches and upwards, are reported over the south-east of France.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind is S.W.^{ly} over nearly the whole of Northwestern Europe, and blows with the force of a gale in the north of Ireland, and also in the west of Norway; at Valencia the wind has backed to the S.^d and is strong in force. Light breezes from the S.^d or S.E.^d are reported in France and Germany. Temperature has risen over England and the neighbouring parts of the Continent, but has fallen in most other localities. Over the southern parts of the United Kingdom the readings are now above 45°, the highest reported being 50° at Bath and Scilly; in Scotland and the north of Ireland, however, the thermometer stands at or very little above 40°, and at Aberdeen the reading is only 39°. Frost prevails in some parts of Germany and Central France, the lowest morning temperatures reported being 22° at Munich, 28° at Frankfurt and 30° at Paris. The weather is cloudy or dull over our Islands and the northern parts of the Continent generally, with rain in Ireland and the west and south of Scotland, and also in the west of Norway; sleet is reported at Wick. In France and Germany the weather is at present fine. The sea is high off the north of Scotland, and rough on most parts of our western coasts, as well as at the Norwegian stations. During yesterday the thermometer rose to 50° or slightly above it in many parts of the United Kingdom and to 54° at Scilly. The amount of bright sunshine was large on our east and south-east coasts (more than 7 hours in many places) but small elsewhere. Rain fell in the west and north generally; lunar halos were seen at Valencia and Pembroke.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The new disturbance which is approaching our western coasts is likely to cause a considerable increase of wind from S. and S.W. in the west and north generally, with gales in many places. The centre of the system, which is apparently at a considerable distance from these Islands, is likely to move in a north-easterly direction.

FORECASTS *

For the 24 hours ending at NOON on 8th February, 1903

DISTRICTS.

FORECASTS.

0 th	{ SCOTLAND NORTH	S ^{ly} to S.W. ^{ly} winds, increasing to a gale; squally and rainy at first, improving temporarily later.
1 st	{ SCOTLAND EAST	
2	{ ENGLAND N.E.	S ^{ly} and S.W. ^{ly} winds, freshening; cloudy at first with occasional rain, improving later.
3	{ ENGLAND EAST	
4	{ MIDLAND COUNTIES	
5	{ ENGLAND SOUTH	


DISTRICTS.


FORECASTS.

0 th	{ SCOTLAND WEST	S ^{ly} to W. ^{ly} gales and strong winds; squally and rainy at first, some improvement later.
1 st	{ ENGLAND N.W.	
2 nd	{ ENGLAND S.W.	
3 rd	{ IRELAND NORTH	
4 th	{ IRELAND SOUTH	

WARNINGS

At 10.10 a.m. to-day to district 6 and part of 0, and at 10.35 a.m. to district 2, Hoist South Cone. The signals are flying also in districts 1, 7, 8, 10, part of 9, and the remainder of 0.

Note—The South Cone, point downwards (), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.

The North Cone, point upwards (), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

* For terms for transmission of Forecasts by Telegraph, see next page

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.				THIS MORNING 8 A.M.							PAST 24 HOURS.					
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet.	Change.					Max. °	Min. °		
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	0	*	6	45	37	7.5	-
Newton Reigny (Penrith)	29.61	47	SW 8	†	29.73	-0.09	42	41	+1	SSW 3	0	*	09.†	49	38	0.0	0.18
Bath	29.97	46	SW 4	0	30.03	-0.03	50	48	+6	SW 3	0	*	-	51	44	4.9	0.02

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m. ...	52	41	0, c, op, 0	1.2	0.01	Eastbourne	*	*	*	7.4	*
Rhyl,	*	*	*	2.3	*	Hastings	*	*	*	7.7	*
Llandudno	*	*	*	1.2	*	Lowestoft, to 6 p.m. ...	44	39	0, c, b	6.1	-
Aberystwyth, to 6 p.m. ...	50	45	c, 0	0.5	0.04	Harrogate, to 6 p.m. ...	47	37	c, b	2.3	-
Plymouth, to 9 p.m. <i>Not recd.</i>	*	*	*	*	*	Manchester, to 9 p.m. ...	49	42	0, bc, p	0.9	0.04
Worthing	*	*	*	6.7	*	Darwen, to 9 p.m. ...	47	38	om, bc, omq	0.7	0.02
Brighton	*	*	*	7.3	*	Birmingham, to 9 p.m. ...	46	40	0, t	0.0	-

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 6 Feb -103	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal) <i>Not Recd.</i>				Ins.	Algiers	61	46	b f	Ins.
Madrid	57	30	b b	-	Tunis	57	45	0 0	-
Corsica (I. Sanguinaires) ...	54	45	f 8	-	Vienna	43	34	0 0	-
Rome	55	37	b b	-	St. Petersburg	36	28	0 0	-
Florence	55	37	b b	-	5 Feb: 03		1 p.m.	1 p.m.	Measured 7 a.m.
Trieste	52	43	b b	-	Lugano	41	-	b	-
Naples	51	43	b b	-	Davos	32	-	b	-
Palermo	55	39	0 b	-	Lucerne	30	-	b	-
Malta	54	49	? r	0.04	Lausanne	34	-	b	-

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.
* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.					TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.			
	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.	7 Feb., 1903	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
British Isles, Belgium, Holland	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.	Yarmouth	h. m.	h. m.	h. m.
Germany, Denmark, Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Greenwich	7. 27	12. 7	4. 47
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick	7. 31	12. 14	4. 57
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.	Valencia	8. 8	12. 26	4. 44
Portugal	8 a.m. (Lisbon)	8.36 a.m.				8. 13	12. 55	5. 37

SUBSCRIPTIONS both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom Sixpence in addition to the cost of the inquiry and reply Telegrams. Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† Except at Oxford, where the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on *Monday, 9th February* 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)											PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Sea (0 to 9.)	Weather.	Temp.						
																Max.	Min.	Sun- shine. Hours.	Rainfall. Ins.			
At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	At 32° Fabr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)	Weather.	Max.	Min.	Sun- shine. Hours.	Rainfall. Ins.							
Ins.	°			Ins.	Ins.	°																
SCANDINAVIA.	Haparanda ...	28.37	14	2	0	0	28.78	+24	28	28	-1	NW	6	0	1	-	30	12	*	-		
	Hernösand ...	28.89	34	W	6	0c	29.21	+63	36	34	+2	NW	8	0c	2	-	37	16	*	-		
	Stockholm ...	29.25	34	W	6	0	29.44	+65	32	27	-13	WNW	8	0	2	-	45	32	*	-		
	Wisby ...	29.37	36	W	6	0	29.56	+49	34	32	-7	WNW	8	0	2	-	43	32	*	-		
	Karlstad ...	29.45	33	W	8	0	29.75	+71	29	25	-12	WNW	6	0	2	-	*	*	*	-		
	Færder (X'iania Fjord)	29.49	36	WSW	6	0	29.87	+69	32	27	-8	WNW	5	0c	3	-	40	32	*	-		
	Bodö ...	28.89	37	SW	6	0	29.31	+95	36	33	+1	N	6	0	3	-	39	35	*	-		
	Christiansund ...	29.44	33	WNW	9	0	29.93	+89	31	31	-4	WNW	8	0	6	-	36	31	*	0.16		
Skudesnaes ...	29.73	38	NW	6	0	30.03	+67	31	30	-8	N	4	0	2	-	39	30	*	-			
BRITISH ISLANDS.	Sumburgh Head ...	29.70	36	N	4	0	30.13	+64	31	30	-6	N	1	0	4	0	38	30	*	-		
	Stornoway ...	29.79	36	2	0	0	29.92	+40	39	38	+1	SSE	3	0	3	0.3	43	32	0.0	0.33		
	Malin Head ...	29.72	50	WSW	8	0	30.05	+54	48	47	-3	SW	7	0	6	0.7	51	47	*	0.19		
	Blacksod Pt. ...	29.85	53	SW	7	0	30.25	+48	48	47	-3	SW	5	0	5	0.7	53	46	*	0.19		
	Valencia ...	30.07	53	3	5	0	30.33	+37	52	51	-1	S	2	0	4	0.7	55	51	0.0	0.10		
	Roche's Point ...	30.14	51	WSW	5	0	30.35	+34	52	52	0	WSW	2	0	1	0.7	53	50	*	0.02		
	Parsonstown ...	30.02	54	SW	5	0	30.29	+42	50	49	-4	SW	4	0	3	0.7	57	50	0.6	0.05		
	Donaghadee ...	29.87	55	W	4	0	30.16	+47	51	48	-4	W	3	0	2	-	56	48	*	0.01		
Liverpool Obsy. ...	30.03	51	SW	4	0	30.24	+33	49	48	-3	W	6	0	4	-	55	49	*	0.03			
Holyhead ...	30.02	49	SW	7	0	30.27	+38	50	49	+1	W	4	0	3	0.7	50	48	*	-			
Pembroke (St. Ann's) ...	30.18	49	SW	6	0	30.33	+27	49	49	0	WSW	5	0	6	0.7	50	48	0.0	0.03			
GERMANY, &c.	Scilly (St. Mary's) ...	30.17	51	WSW	5	0	30.43	+26	50	50	+1	WSW	5	0	4	0	53	49	0.0	0.02		
	Jersey (St. Aubins) ...	30.41	49	WSW	4	0	30.55	+20	49	47	+1	WSW	4	0	3	0.7	52	48	0.0	-		
	Portland Bill ...	30.32	49	W	5	0	30.43	+24	48	47	0	WSW	4	0	4	0.7	49	47	*	0.02		
	Dungeness ...	30.26	48	WSW	6	0	30.33	+17	47	47	-1	W	6	0	4	0.7	49	46	*	0.03		
	Wick ...	29.89	40	W	2	0	30.03	+49	38	38	+3	SE	4	0	4	-	40	34	*	0.05		
	Nairn ...	29.81	37	2	0	0	30.00	+42	36	36	-1	2	0	0	1	0	37	33	*	0.42		
	Aberdeen ...	29.85	34	NNW	2	0	30.11	+48	34	34	-3	ESE	3	0	2	0	38	32	0.0	1.05		
	Leith ...	29.75	41	NE	1	0	30.06	+48	41	41	-4	2	0	0	*	0.7	53	39	*	1.60		
North Shields ...	29.73	55	WSW	7	0	30.08	+45	51	50	-5	W	2	0	3	0	59	50	*	-			
FRANCE.	Spurn Head ...	29.92	54	SW	6	0	30.12	+29	49	49	-3	WSW	5	0	3	-	56	49	*	-		
	Yarmouth ...	30.02	56	W	6	0	30.17	+20	53	50	0	W	4	0	4	0.7	57	50	*	-		
	Loughborough ...	30.21	52	WSW	6	0	30.36	+26	51	50	-1	WSW	3	0	*	0.7	57	50	*	-		
	Oxford ...	30.20	54	WSW	5	0	30.32	+19	52	50	0	W	6	0	*	0.7	54	51	0.0	-		
	London (Brixton) ...	30.20	54	WSW	5	0	30.32	+19	52	50	0	W	6	0	*	0.7	54	51	0.0	-		
	The Scaw (Skagen) ...	29.61	38	NW	4	0	29.84	+52	35	35	-6	NW	5	0	1	-	41	34	*	-		
	Fanö ...	29.89	38	W	2	0	30.06	+37	37	36	-4	W	2	0	*	-	41	36	*	0.24		
	Cuxhaven ...	29.88	48	SW	8	0	30.06	+19	40	40	-6	2	0	0	0	0.7	50	39	*	0.43		
The Helder ...	30.00	46	SW	7	0	30.12	+12	46	45	0	WSW	6	0	6	-	46	45	*	-			
SPAN. PEN.	Brussels ...	*	*	*	*	*	30.38	+12	48	47	+2	WSW	5	0	*	-	50	45	*	0.12		
	Berlin ...	29.95	52	W	5	0	30.04	+07	42	41	-4	NW	2	0	*	-	54	41	*	0.28		
	Frankfurt ...	30.32	48	SW	8	0	30.34	+07	48	45	+7	SW	6	0	*	-	50	41	*	-		
	Munich ...	30.47	45	SW	6	0	30.48	00	44	39	+10	W	6	0	*	-	46	34	*	0.04		
	C. Gris Nez ...	30.25	46	SW	6	0	30.34	+14	46	46	-3	W	6	0	6	-	49	45	*	0.16		
	Brest ...	30.44	50	WSW	4	0	30.54	+19	50	49	+1	WSW	3	0	3	-	52	48	*	-		
	Lorient ...	30.47	50	SW	2	0	30.59	+21	49	49	0	WNW	3	0	4	-	55	37	*	-		
	Rocheport ...	30.50	50	3	3	0	30.57	+13	43	42	+2	S	2	0	*	-	57	39	*	-		
Biarritz ...	30.58	54	2	0	0	30.63	+12	46	45	-3	2	0	0	3	-	59	43	*	-			
SPAN. PEN.	Paris ...	30.47	48	WSW	2	0	30.53	+12	45	44	+4	SW	2	0	*	-	52	41	*	-		
	Belfort ...	30.54	45	WSW	5	0	30.55	+02	43	39	+6	WSW	6	0	*	-	52	37	*	-		
	Lyons ...	30.63	43	SSW	1	0	30.68	+05	36	34	+3	N	1	0	*	-	52	33	*	-		
	Nice ...	30.58	46	2	1	0	30.58	40	39	39	+1	E	2	0	*	-	52	39	*	-		
	Perpignan ...	30.62	44	NE	1	0	30.61	+01	34	33	+1	SW	1	0	*	-	56	33	*	-		
SPAN. PEN.	Corunna ...	30.48	51	NNE	4	0	30.40	-06	51	47	+3	NNE	3	0	*	-	63	48	*	-		
	Lisbon ...	30.48	51	NNE	4	0	30.40	-06	51	47	+3	NNE	3	0	*	-	63	48	*	-		
	Azores (P. Delgada) ...	29.90	61	SSW	7	0	29.88	-05	58	57	-2	S	5	0	3	-	64	57	*	0.79		

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.

WEATHER CHARTS

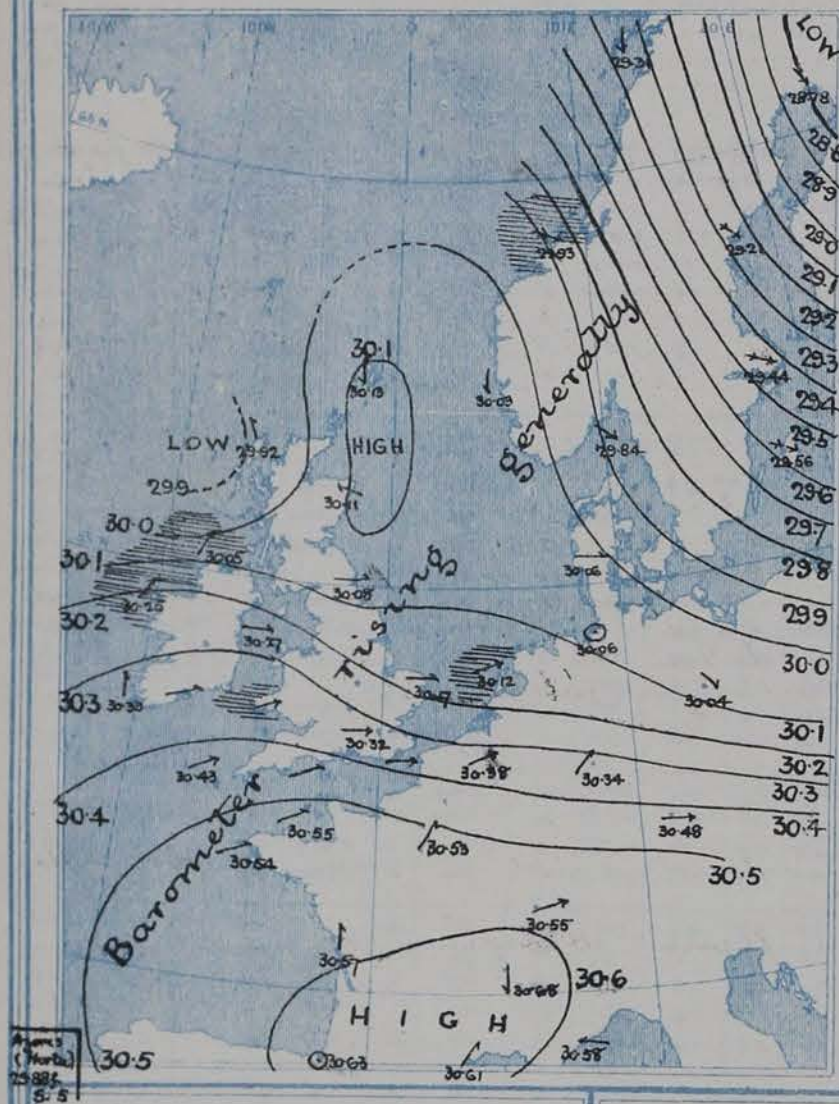
FOR Monday 9th February, 1903.

I. BAROMETER, WIND AND SEA. This Morning.

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → Force 5 to 7 → } Calm ☉
Force 8 to 10 → Force 1 to 4 → }
SEA—Rough High

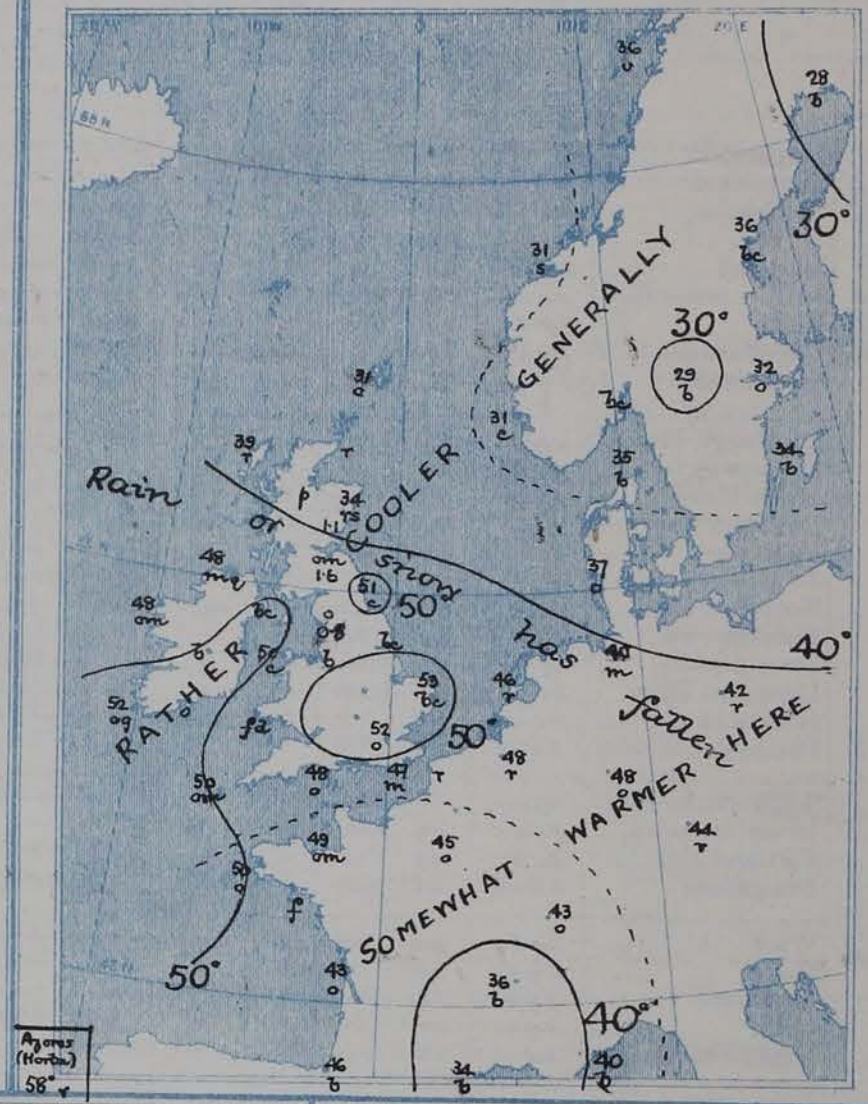


II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus: 0.6



III. BAROMETER AND WIND

Yesterday morning.



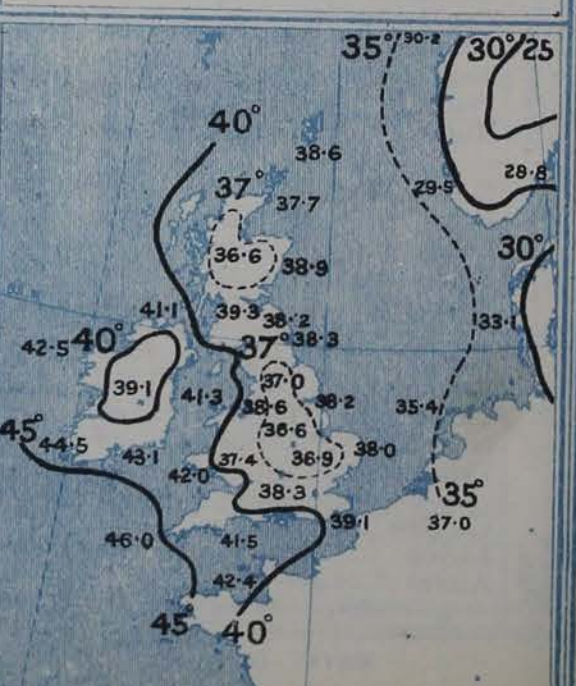
IV. Means of Daily Recorded BRIGHT SUNSHINE (1881-1900), together with Means of Possible Duration for FEBRUARY.

Specimen (Average No of Hours daily) 2.2
(for Stornoway) (Total Possible) 9.2



V. Means of DAILY TEMPERATURE

at 8 A.M. for the monthly period
FEBRUARY (1871-1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The barometer is now highest, 30.5 ins. to 30.6 ins., in an anticyclone over the southern parts of France, and lowest, 28.4 ins. and less, in a large and deep disturbance over Lapland. Small secondary systems are shown over the south of Scotland and north of Ireland. The barometer is falling again in the last named locality and also in Sweden, but rising in most other regions.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind continues SW^{ly} over Ireland, England, France, and North Germany. It blows freshly or strongly in most places and with the force of a gale at Holyhead and Malin Head. In Scotland it is light and mainly from W or WNW, but at Leith there is a light air from NE. Over Scandinavia the wind is chiefly between NW and W, and in many places blows a fresh or strong gale. Temperature has risen except in Scotland and Norway. In most parts of Ireland and England it is above 50°, and at North Shields as high as 56°. In most Scotch districts the readings are below 40°. Over the continent the values vary considerably, at most stations on the west coast of France the reading is 49°, but at Perpignan and Lyons 33°, Munich 34°, Berlin, 46°, Stockholm 45° and at Haparanda 29°. The weather is in a very unsettled condition, except in the south and southeast of France. Much cloud prevails generally, with rain at Brussels and in many parts of the United Kingdom and with snow in the west of Norway. The sea is high or rough in the far north and at The Helder, rough at Cape Gris Nez and on our west and southwest coasts.

The maximum temperatures registered yesterday were above 50° at nearly all our own stations, and the succeeding night was mild except in Scotland. Rain has fallen in most parts of our Islands and on the southern and eastern shores of the North Sea; at Leith there has been 0.6 in. and at Christiansund the fall (of rain and snow) amounted to 1.1 ins. There was an almost complete absence of sunshine over the Kingdom generally, but Jersey had 1.5 hours.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS*

For the 24 hours ending at NOON on 9th February.

1903

DISTRICTS.

FORECASTS.

- 04 { SCOTLAND NORTH
- 1 { SCOTLAND EAST
- 24 { ENGLAND N.E.
- 34 { ENGLAND EAST
- 4 { MIDLAND COUNTIES
- 54 { ENGLAND SOUTH

None Issued

DISTRICTS.

FORECASTS.

- 04 { SCOTLAND WEST
- 4 { ENGLAND N.W.
- 44 { ENGLAND S.W.
- 44 { IRELAND NORTH
- 14 { IRELAND SOUTH

None Issued

WARNINGS

At 7.0 p.m. yesterday to districts 3, 5, 7, 10 and parts of 8 and 9, and at 9.40 a.m. today to the remainder of 8 "Hoist South Cone". The signals are still up in districts 2 and 6 and part of 9.

Note.—The South Cone, point downwards (∇), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.

The North Cone, point upwards (∇), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

* For terms for transmission of Forecasts by Telegraph, see next page

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.				THIS MORNING 8 A.M.										PAST 24 HOURS.			
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.	
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.			
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	0	*	0	49	37	0.0	—
Newton Reigny (Penrith)												*						
Bath	29.98	49	SW 6	0	30.14	+11	53	52	+3	SW 3	+	*	—	54	50	0.0	0.01	

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m....	52	40	0, 0 ^f	0.0	0.15	Eastbourne	*	*	*		*
Rhyl	*	*	*		*	Hastings	*	*	*	0.0	*
Llandudno	*	*	*	0.0	*	Lowestoft, to 6 p.m. <i>Not recd.</i>					
Aberystwyth, to 6 p.m. ...	48	43	C, 0	0.0	0.05	Harrogate, to 6 p.m. ...	48	37	0, 0, 0 ^f , C	0.0	0.07
Plymouth, to 9 p.m....	51	49	0 ^f	0.0	0.10	Manchester, to 9 p.m. ...	52	39	3C, r	0.0	0.06
Worthing	*	*	*		*	Darwen, to 9 p.m. ...	49	35	C, 0 ^f , 0 ^m u	0.0	0.23
Brighton	*	*	*		*	Birmingham, to 9 p.m. ...	50	40	0	0.0	—

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. Feb. 7 th 1903.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max. °	Min. °				Max. °	Min. °		
Utrecht... ..	46	32	b, b	Ins.	Tunis	59	42	c, c	Ins.
Madrid	52	36	c, o	—	Algiers	64	48	b, b	—
Vienna	43	30	b, o	—	Madeira (Funchal) .Not rec ^d				
St. Petersburg	36	28	o, o	—					
Trieste	62	39	b, b	—					
Florence	57	52	b, b	—	Feb. 8 th 1903.	1 p.m.		1 p.m.	Measured 7 a.m.
Rome	54	35	b, b	—					
Corsica (I. Sanguinaires) ...	57	45	m, m	—	Lugano	43	—	b	—
Naples	53	45	b, b	—	Davos	36	—	b	—
Palermo	59	40	o, b	—	Lucerne	30	—	m	—
Malta	58	48	?, c	—	Lausanne	30	—	m	—

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.					TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.			
COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.	8. II., 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. ‡ (W.E.T.)	6 p.m. ‡				
Holland	8 a.m. (" ")	8 a.m.	7 p.m. (W.E.T.)	7 p.m.	Yarmouth	7.26	12.7	4.48
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Greenwich	7.30	12.14	4.58
France	7 a.m. (Paris) ...	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick	8.6	12.26	4.46
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.	Valencia	8.12	12.55	5.38
Portugal	8 a.m. (Lisbon) ...	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.				
Azores { Point Delgada ...	6 a.m. (Local) ...	7.43 a.m.	9 p.m. (Local)	10.43 p.m.				
Horta	6 a.m. (Local) ...	7.55 a.m.	9 p.m. (Local)	10.55 p.m.				

SUBSCRIPTIONS both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
 " Weekly " " £1 10 0 "

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Tuesday, 10th February,

1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.	YESTERDAY EVENING. (See note on last page.)						THIS MORNING. (See note on last page.)										PAST 24 HOURS.			
	Barom.	Temp.	Wind.		Weather	Sea (0 to 9.)	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Temp.		Sun- shine. Hours.	Rainfall. Ins.
	At 32° and M.S.L.	Dry Bulb.	Dir.	Force (0 to 12.)			At 32° Fahr. and M.S.L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dir.	Force (0 to 12.)				Max.	Min.		
	Ins.	°					Ins.	Ins.	°											
SCANDINAVIA.	Haparanda ...	29.62	28	NW	5	b	29.85	+1.07	18	17	-10	W	2	b	*	-	32	?	*	-
	Hernösand ...	30.00	34	NW	4	b	30.12	+1.91	30	27	-6	SW	2	b	*	-	39	16	*	-
	Stockholm ...	30.06	35	W	6	b	30.32	+1.88	27	24	-5	W	2	b	*	-	37	27	*	-
	Wisby ...	30.02	35	WNW	8	b	30.38	+1.82	32	30	-2	NW	2	b	*	-	39	28	*	-
	Karlstad ...	30.28	30	NW	4	b	30.34	+1.59	27	26	-2	SW	2	b	*	-	*	*	*	-
	Färder (X'ania Fjord)	30.34	33	W	4	b	30.25	+1.38	34	31	+2	SW	6	c	3	-	36	30	*	-
	Bodö ...	29.97	32	W	7	s	29.78	+1.47	35	33	-1	SSW	4	c	3	-	36	30	*	-
	Christiansund ...	30.32	35	WNW	4	o	29.91	-0.02	33	32	+2	ESE	3	o	6	-	36	30	*	0.04
BRITISH ISLANDS.	Skudesnaes ...	30.45	32	NNE	2	bc	30.28	+1.25	36	35	+5	SSE	8	o	4	-	?	30	*	*
	Sumburgh Head ...	30.27	35	SE	3	o	29.82	-1.31	47	47	+16	SW	4	t	6	b, o	47	31	*	0.19
	Stornoway ...	30.13	46	SW	4	o	29.90	-0.02	49	49	+10	WSW	7	t	7	bc, o	50	37	0.4	0.36
	Malin Head ...	30.28	48	SW	4	c	30.11	+1.06	50	49	+2	SW	7	og	6	bc, c	51	47	*	0.01
	Blacksod Pt. ...	30.29	50	SSW	6	tmw	30.20	-0.05	57	50	+3	SSW	7	omw	6	of, m, t	51	46	*	0.06
	Valencia ...	30.42	51	S	4	omw	30.40	+1.07	52	50	0	S	5	omw	5	omw	53	50	0.0	0.01
	Roche's Point ...	30.48	50	SW	3	omw	30.48	+1.13	50	49	-2	SSW	5	og	3	o, omw	53	49	*	0.01
	Parsonstown ...	30.40	55	SSW	1	o	30.38	+1.09	53	49	+3	SSE	2	c	*	omg	55	49	0.0	-
GERMANY, &c.	Donaghadee ...	30.40	49	S	1	bc	30.33	+1.17	50	48	-1	WSW	3	og	3	-	55	47	*	-
	Liverpool Obsy. ...	30.47	46	NW	1	b	30.49	+1.25	50	47	+1	SW	2	o	2	f, bc	53	46	*	-
	Holyhead ...	30.45	48	SW	2	cmw	30.45	+1.18	48	48	-2	SW	6	of	4	bc, cmw	54	48	*	-
	Pembroke (St. Ann's)	30.52	49	SSW	4	f	30.54	+1.21	48	47	-1	SW	5	cq	5	f, b	49	46	0.0	0.01
	Scilly (St. Mary's) ...	30.55	50	WSW	3	omw	30.59	+1.16	50	50	0	SSW	4	omw	5	o, omw	53	50	1.2	-
	Jersey (St. Aubins) ...	30.66	50	W	5	omw	30.74	+1.19	48	47	-1	SSW	2	omw	2	o, omw	50	46	0.0	-
	Portland Bill ...	30.63	48	WSW	4	f	30.67	+1.24	48	47	0	WSW	2	c	2	f	49	46	*	0.01
	Dungeness ...	30.53	47	WNW	3	b	30.64	+1.31	47	46	0	WSW	4	omw	2	m, b, f	48	42	*	0.02
FRANCE.	Wick ...	30.08	38	S	5	o	29.91	-1.12	38	36	0	SW	5	o	3	-	38	35	*	0.04
	Nairn ...	30.22	38	Z	0	o	29.97	-0.03	50	48	+14	SW	3	bc	2	-	50	35	*	0.02
	Aberdeen ...	30.37	39	SSW	3	o	30.10	-0.01	49	48	+15	SW	5	ogw	3	t, o	49	34	0.0	0.12
	Leith ...	30.35	43	ENE	1	o	30.20	+1.14	52	48	+11	SW	4	c	*	-	52	40	*	0.09
	North Shields ...	30.40	51	WSW	2	c	30.31	+1.23	51	47	0	SW	4	c	2	c	54	43	*	-
	Spurn Head ...	30.45	47	W	4	b	30.48	+1.36	49	48	0	SW	4	c	3	-	51	42	*	-
	Yarmouth ...	30.41	52	NNW	3	bc	30.56	+1.39	47	46	-6	SW	3	of, d	3	bc	57	36	*	-
	Loughborough ...	30.60	50	WSW	3	o	30.63	+1.27	48	47	-3	WSW	2	od	*	o	57	48	*	-
GERMANY, &c.	Oxford ...	30.53	52	SW	5	b	30.61	+1.29	49	48	-3	SW	4	og	*	o, b, o	56	48	0.7	-
	London (Brixton) ...	30.53	52	SW	5	b	30.61	+1.29	49	48	-3	SW	4	og	*	o, b, o	56	48	0.7	-
	The Scaw (Skagen) ...	30.36	35	NNW	3	b	30.41	+1.57	32	32	-3	SW	3	o	1	-	36	30	*	-
	Fanö ...	30.50	31	NW	2	b	30.58	+1.52	33	32	-4	W	2	c	*	-	39	30	*	-
	Cuxhaven ...	30.38	37	N	2	o	30.65	+1.59	33	32	-7	S	1	b	*	-	40	32	*	0.20
	The Helder ...	30.46	40	NE	2	c	30.59	+1.47	37	37	-9	SSW	1	f	1	-	46	30	*	0.04
	Brussels ...	*	*	*	*	*	30.71	+1.33	45	45	-3	SW	2	t	*	-	50	45	*	0.04
	Berlin ...	30.34	36	W	2	c	30.71	+1.67	31	30	-11	W	2	b	*	-	43	30	*	0.28
FRANCE.	Frankfurt ...	30.46	50	W	4	c	30.69	+1.35	45	43	-3	W	2	c	*	-	50	45	*	-
	Munich ...	30.51	44	W	6	t	30.76	+1.38	40	39	-4	SW	2	o	*	-	48	39	*	0.16
	C. Gris Nez ...	30.50	46	SW	5	bc	30.63	+1.29	45	45	-1	SW	4	f	4	-	48	45	*	0.04
	Brest ...	30.64	50	W	1	o	30.72	+1.18	50	49	0	W	1	o	4	-	54	48	*	-
	Lorient ...	30.70	48	WNW	1	b	30.68	+1.09	?	49	?	S	2	o	3	-	55	48	*	-
	Rochefort ...	30.72	51	Z	0	o	30.73	+1.16	44	43	+1	ESE	2	bc	*	c	57	41	*	-
	Biarritz ...	30.70	53	NNE	1	b	30.71	+1.08	40	40	-6	Z	0	b	4	-	57	39	*	-
	Paris ...	30.64	50	WNW	2	o	30.75	+1.22	46	46	+1	S	1	o	*	-	51	45	*	-
SPAN. PEN.	Belfort ...	30.61	43	WSW	6	o	30.73	+1.18	40	40	-3	W	2	f	*	-	51	39	*	-
	Lyons ...	30.67	53	N	1	o	30.73	+1.05	44	42	+8	NNW	2	o	*	-	56	36	*	-
	Nice ...	30.32	45	Z	0	b	30.53	-0.05	42	40	+2	E	2	b	1	-	55	39	*	-
	Perpignan ...	30.58	59	SW	2	b	30.53	-0.08	56	47	+2.2	W	3	b	*	-	69	34	*	-
	Corunna ...	30.54	53	NNE	3	b	30.52	+1.12	50	45	-1	NNE	5	b	*	-	66	48	*	-
	Lisbon ...	30.14	60	S	6	m	30.12	+1.05	60	58	0	SSE	6	o	5	-	65	59	*	-
	Azores (P. Delgada)	30.02	58	SSW	3	o	30.03	+1.15	55	54	-3	NNE	3	o	3	-	63	55	*	0.43
	„ (Horta) ...	30.02	58	SSW	3	o	30.03	+1.15	55	54	-3	NNE	3	o	3	-	63	55	*	0.43

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.

WEATHER CHARTS

FOR TUESDAY, 10th FEBRUARY, 1903.

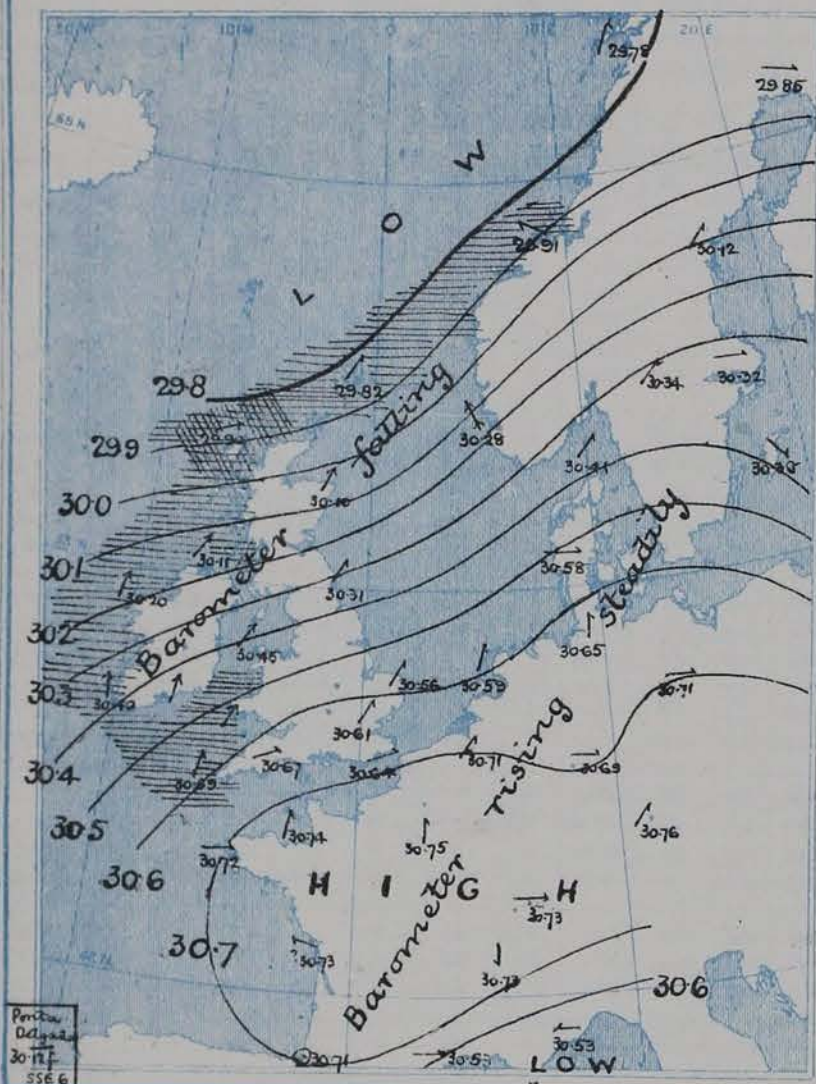
I. BAROMETER, WIND AND SEA. This Morning.

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → Force 5 to 7 → } Calm ☉
Force 8 to 10 → Force 1 to 4 → }

SEA—Rough High



II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6



III. BAROMETER AND WIND

Yesterday morning.



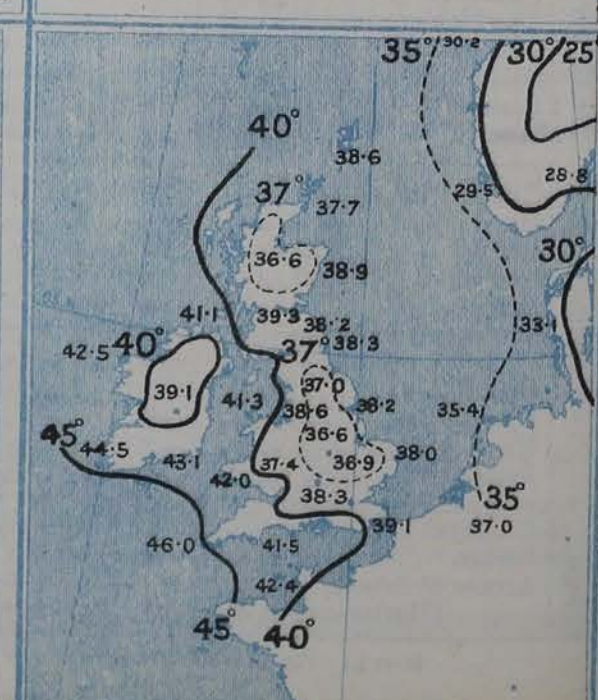
IV. Means of Daily Recorded BRIGHT SUNSHINE (1881-1900), together with Means of Possible Duration for FEBRUARY.

Specimen { Average N° of } 2.2
(for Stornoway) { Hours daily }
{ Total Possible } 9.2



V. Means of DAILY TEMPERATURE

at 8 A.M. for the monthly period
FEBRUARY (1871-1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

Barometric pressure continues highest, 30.5 in. to 30.6 in. in an anticyclone lying over France, the Bay of Biscay, and the northern parts of Spain, while it is lowest, 28.8 in. and less, in a deep disturbance over the north of Finland, and relatively low, 29.90 in., off the Hebrides. A secondary anticyclone, in which the barometer is above 30.1 in., is shown over the northern portion of the North Sea. The mercury is at present rising throughout our area, and gradients are becoming less steep.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind is S^W on the south-west coast of Ireland, but S.W^W in most other parts of that country and W^W over England, but in Scotland it is either calm or S.E.^W. It has less strength than of late generally, but still blows freely or strongly at some English stations and a moderate gale at Malin Head. Over Scandinavia very strong winds and gales from the N.W.^W prevail. Temperature continues much above the normal over Ireland and England, but is again rather low over Scotland. It ranges from 53° at Yarmouth and 52° in London, at Bath, and on the south coast of Ireland to 41° at Leith, 34° at Aberdeen and 31° in the Shetlands. The Continental values range from 50° at Brest, 48° at Frankfurt and 45° at Paris to 36° at Bodo, 31° at Christianaund and Skudersnae, and to 28° at Haparanda. The weather, although fine and bright in a few isolated localities, is cloudy or overcast as a whole, with rain at some German stations and in several parts of Scotland, and sleet or snow at Aberdeen and in the west of Norway. The sea is rough on the north-west coast of Ireland, at Pembroke, the Hebrides and Christianaund, moderate to smooth elsewhere.

Maximum temperatures of 50° or above were recorded over Ireland and England yesterday; at Passenstown, Oxford and Yarmouth the reading was 57°, while that at North Shields was as high as 59°. In most parts of Scotland the maxima were below 40°. Light quantities of rain have been measured in most parts of the Kingdom, but large amounts in Cumberland and very heavy falls of rain, sleet or snow have occurred on the east coast of Scotland - 1.05 in. at Aberdeen and 1.6 in. at Leith. Scarcely any bright sunshine was experienced over our Islands yesterday.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

It seems probable that the southern anticyclone will extend northwards, and that the weather over our Islands will be quieter than of late, with some decrease of temperature.

FORECASTS *

For the 24 hours ending at NOON on 10th February, 1903

DISTRICTS.

FORECASTS.

- 0 { SCOTLAND NORTH
- 1 { SCOTLAND EAST
- 2 { ENGLAND N.E.
- 3 { ENGLAND EAST
- 4 { MIDLAND COUNTIES
- 5 { ENGLAND SOUTH

Wind veering to the S^W or S.W^W, weather improving gradually, and temperature rising somewhat.

W^W winds, light or moderate; fair as a whole. Mild to-day, probably less so to-morrow.

DISTRICTS.

FORECASTS.

- 6 { SCOTLAND WEST
- 7 { ENGLAND N.W.
- 8 { ENGLAND S.W.
- 9 { IRELAND NORTH
- 10 { IRELAND SOUTH


S^W and W^W winds, moderate; rather mild, some rain locally.


W^W to S.W^W winds, moderate or fresh; cloudy or dull, but mostly dry.

S^W or S.W^W winds, some rain in west, fair in east.

WARNINGS

At 9.30 a.m. to-day to districts 3, 5, 7, 8 and part of 9, Lower Cone. The signals are still flying in district 10 and the remainder of 9.

Note.—The South Cone, point downwards (), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.

The North Cone, point upwards (), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

* For terms for transmission of Forecasts by Telegraph, see next page

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.																	
TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.					THIS MORNING 8 A.M.					PAST 24 HOURS.						
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.		
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	Sc	*	o,c	53	48	0.3	—
Newton Reigny (Penrith)	29.87	51	SW 6	+	30.05		49	48		WSW 5	0	*	097	52	42	0.0	0.82
Bath	30.25	53	SW 4	0	30.38	+24	52	50	-1	SW 4	0	*	—	57	50	0.0	—
REPORTS FOR YESTERDAY.																	
STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.						
	Max.	Min.					Max.	Min.									
Southport, to 9 p.m....	55	50	0	0.0	—	Eastbourne	*	*	*	0.0	*						
Rhyl	*	*	*	0.0	*	Hastings	*	*	*	0.0	*						
Llandudno	*	*	*	2.2	*	Lowestoft, to 6 p.m. <i>Not recd</i>											
Aberystwyth, to 6 p.m. ...	50	45	0	0.0	—	Harrogate, to 6 p.m. ...	55	46	o,c	0.0	0.02						
Plymouth, to 9 p.m. <i>Not recd</i>						Manchester, to 9 p.m. <i>Not recd</i>											
Worthing	*	*	*	0.0	*	Darwen, to 9 p.m. ...	52	40	o29,09	0.0	0.06						
Brighton	*	*	*	0.0	*	Birmingham, to 9 p.m. ...	54	46	0	0.0	—						
TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.																	
STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.								
	Max. °	Min. °				Max. °	Min. °										
<i>Infomat^s not recd.</i>				Ins.					Ins.								
Utrecht					Tunis												
Madrid					Algiers												
Vienna					Madeira (Funchal) ...												
St. Petersburg																	
Trieste																	
Florence					7...II...1903.	1 p.m.		1 p.m.	Measured 7 a.m.								
Rome					Lugano	43	—	8	—								
Corsica (I. Sanguinaires) ...					Davos	36	—	8	—								
Naples					Lucerne	30	—	m	—								
Palermo					Lausanne	30	—	m	—								
Malta																	
EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.																	
WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.																	
* AN ASTERISK is inserted in all places for which information is not usually received.																	
TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.					TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.												
COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corres- ponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corres- ponding Greenwich Times.	9...II...1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.									
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.† (W.E.T.)	6 p.m.†	Yarmouth	7.24	12.7	4.50									
Holland	8 a.m. („ „)	8 a.m.	7 p.m. (W.E.T.)	7 p.m.	Greenwich	7.28	12.14	5.0									
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Wick	8.3	12.26	4.48									
France	7 a.m. (Paris) ...	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Valencia	8.10	12.55	5.40									
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.													
Portugal	8 a.m. (Lisbon) ...	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.													
Azores { Point Delgada ...	6 a.m. (Local) ...	7.43 a.m.	9 p.m. (Local)	10.43 p.m.													
Horta	6 a.m. (Local) ...	7.55 a.m.	9 p.m. (Local)	10.55 p.m.													
SUBSCRIPTIONS both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.																	
TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.																	
" Weekly " " " " " £1 10 0 " " " " " " Single Copies, 6d.																	
Single Copies of the Daily Weather Report (price 1d.) may																	

† The evening observations in Belgium are not given on page 1.

1 At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 11th February

1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)						THIS MORNING. (See note on last page.)										PAST 24 HOURS.					
		BAROM.		TEMP.		WIND.		Weather.	BAROMETER.		TEMPERATURE.				WIND.		Sea (0 to 9.)	Weather.	Temp.				
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	At 32° Fabr. and M. S. L.	Change since Yester- day.		Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)	Max.	Min.	Sun- shine. Hours.			Rainfall. Ins.				
																				Ins.	°		
SCANDINAVIA.	Haparanda ...	29.12	28	SW	4	0	28.40	-1.45	21	20	+3	SW	2	3	*	-	28	14	*	0.12			
	Hernösand ...	29.21	31	Z	0	0	28.80	-1.32	39	36	+9	W	8	7	*	-	39	27	*	0.04			
	Stockholm ...	29.53	37	SSW	6	0	29.17	-1.15	42	38	+15	W	8	3	*	-	42	25	*	-			
	Wisby ...	29.85	35	W	4	0	29.29	-1.99	40	39	+8	W	6	3	*	-	40	28	*	-			
	Karlstad ...	29.61	40	SW	8	+	29.35	-1.99	42	37	+15	SW	8	3	*	-	42	34	*	0.04			
	Færder (X'ania Fjord)	29.65	40	SSW	8	m	29.48	-1.77	41	37	+7	WSW	6	3	4	-	41	34	*	-			
	Bodö ...	28.81	40	SW	6	+	28.47	-1.31	35	34	0	SW	6	7	4	-	41	34	*	-			
	Christiansund ...	29.19	45	WSW	9	+	29.23	-1.68	36	34	+3	W	9	7	7	-	45	33	*	0.75			
	Skudesnaes ...	29.77	44	W	8	+	29.78	-1.50	43	40	+7	NW	8	5	5	0.7	44	36	*	*			
	Sumburgh Head	29.55	47	WSW	6	0	29.82	0.00	44	41	-3	W	6	7	7	0.0	48	41	*	0.32			
BRITISH ISLANDS.	Stornoway ...	29.82	49	WSW	6	0	30.11	+1.21	42	40	-7	WNW	8	0	2	0	53	40	0.0	0.37			
	Malin Head ...	30.11	49	SW	7	opg	30.19	+1.08	46	46	-4	SSW	4	0	4	opg	51	46	*	0.03			
	Blacksod Pt. ...	30.24	50	WNW	5	tm	30.35	+1.15	47	46	-4	SSW	4	0	4	opg	52	44	*	0.32			
	Valencia ...	30.41	53	SW	4	om	30.45	+1.05	49	47	-3	S	2	0	4	om	56	48	3.5	-			
	Roche's Point ...	30.46	50	WSW	3	0	30.48	0.00	50	49	0	W	1	0	2	0.0	57	48	*	-			
	Parsonstown ...	30.34	53	SSW	1	0	30.41	+1.03	48	47	-5	SSW	1	0	2	0	57	48	1.9	-			
	Donaghadee ...	30.24	53	WSW	4	og	30.34	+1.01	47	46	-3	W	2	0	2	og	53	46	*	0.06			
	Liverpool Obsy.	30.37	47	WSW	7	0	30.39	-1.10	49	47	-1	WSW	4	0	3	0	52	47	*	-			
	Holyhead ...	30.38	48	SW	7	og	30.42	-1.03	47	47	-1	SW	4	0	3	om	50	46	*	-			
	Pembroke (St. Ann's)	30.51	48	SSW	5	0	30.50	-1.04	47	47	-1	SW	5	0	5	om	49	45	0.0	-			
GERMANY, &c.	Scilly (St. Mary's)...	30.58	50	SSW	5	0	30.55	-1.04	49	48	-1	SSW	4	0	5	om	52	48	0.0	-			
	Jersey (St. Aubins)...	30.70	48	SW	2	0	30.66	-1.08	45	44	-3	SSW	2	0	2	om	51	44	0.0	-			
	Portland Bill ...	30.62	48	SW	2	0	30.59	-1.08	47	46	-1	WSW	3	0	3	0	50	46	*	-			
	Dungeness ...	30.60	47	WSW	4	0	30.56	-1.08	46	46	-1	WSW	5	0	3	om	49	45	*	-			
	Wick ...	29.79	50	NW	6	0	30.04	+1.13	42	40	+4	NW	6	0	2	-	57	38	*	0.03			
	Nairn ...	29.88	48	WSW	3	0	30.12	+1.15	43	40	-7	WNW	2	0	2	-	54	40	*	0.13			
	Aberdeen ...	29.98	53	WSW	4	0	30.17	+1.07	40	38	-9	WNW	3	0	2	0	55	40	0.0	-			
	Leith ...	30.00	54	SW	6	0	30.23	+1.03	48	45	-4	WSW	1	0	*	-	55	43	*	-			
	North Shields ...	30.17	52	SW	4	0	30.28	-1.03	48	46	-3	W	3	0	2	0	54	46	*	0.01			
	Spurn Head ...	30.36	51	SW	4	0	30.38	-1.10	48	47	-1	SW	4	0	3	-	53	47	*	-			
FRANCE.	Yarmouth ...	30.43	52	WSW	5	0	30.40	-1.16	45	43	-2	WSW	4	0	3	0	53	42	*	0.01			
	Loughborough ...	30.55	49	SW	3	0	30.53	-1.10	46	45	-2	SW	3	0	*	0	53	44	*	-			
	Oxford ...	30.56	51	W	5	0	30.52	-1.09	44	43	-5	WSW	2	0	*	0	55	43	2.5	-			
	London (Brixton)...	30.56	51	W	5	0	30.52	-1.09	44	43	-5	WSW	2	0	*	0	55	43	2.5	-			
	The Scaw (Skagen)	29.86	42	WSW	7	m	29.67	-1.74	43	42	+11	WNW	7	m	2	-	45	32	*	-			
	Fanö ...	30.14	41	SSW	8	0	30.09	-1.49	41	39	+8	W	8	m	*	-	43	33	*	-			
	Cuxhaven ...	30.43	42	SSW	5	+	30.23	-1.42	44	43	+11	W	7	0	*	0	45	33	*	0.04			
	The Helder ...	*	*	*	*	*	30.58	-1.13	43	43	-2	SW	5	0	*	-	51	43	*	-			
	Brussels ...	*	*	*	*	*	30.24	-1.47	46	45	+15	W	4	+	*	-	46	31	*	-			
	Berlin ...	30.50	37	SW	2	0	30.52	-1.17	44	41	-1	SW	4	0	*	-	52	41	*	-			
SPAN. PEN.	Frankfurt ...	30.64	45	SW	2	0	30.65	-1.11	34	33	-6	SW	5	0	*	-	46	32	*	-			
	Munich ...	30.72	36	Z	0	m	30.65	-1.11	34	33	-6	SW	5	0	*	-	46	32	*	-			
	C. Gris Nez ...	30.60	45	SW	4	0	30.52	-1.11	45	44	0	SW	4	0	4	-	46	43	*	-			
	Brest ...	30.67	48	ENE	2	0	30.61	-1.11	47	45	-3	SE	3	0	5	-	50	45	*	-			
	Lorient ...	30.68	48	SSW	1	0	30.63	-1.05	45	45	-5	ESE	2	0	5	-	55	45	*	-			
	Rochefort ...	30.60	50	ENE	4	0	30.62	-1.11	39	38	-5	ESE	2	0	3	0	59	36	*	-			
	Biarritz ...	30.64	52	NNE	1	0	30.56	-1.15	41	41	+1	Z	0	0	3	-	54	37	*	-			
	Paris ...	30.71	48	Z	0	0	30.66	-1.09	45	44	-1	SSW	1	0	*	-	51	45	*	-			
	Belfort ...	30.68	44	NE	4	m	30.69	-1.04	37	37	-3	Z	0	0	*	-	51	31	*	-			
	Lyons ...	30.74	44	N	1	0	30.73	0.00	38	38	-6	ENE	1	0	*	-	52	36	*	-			

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.



WEATHER CHARTS

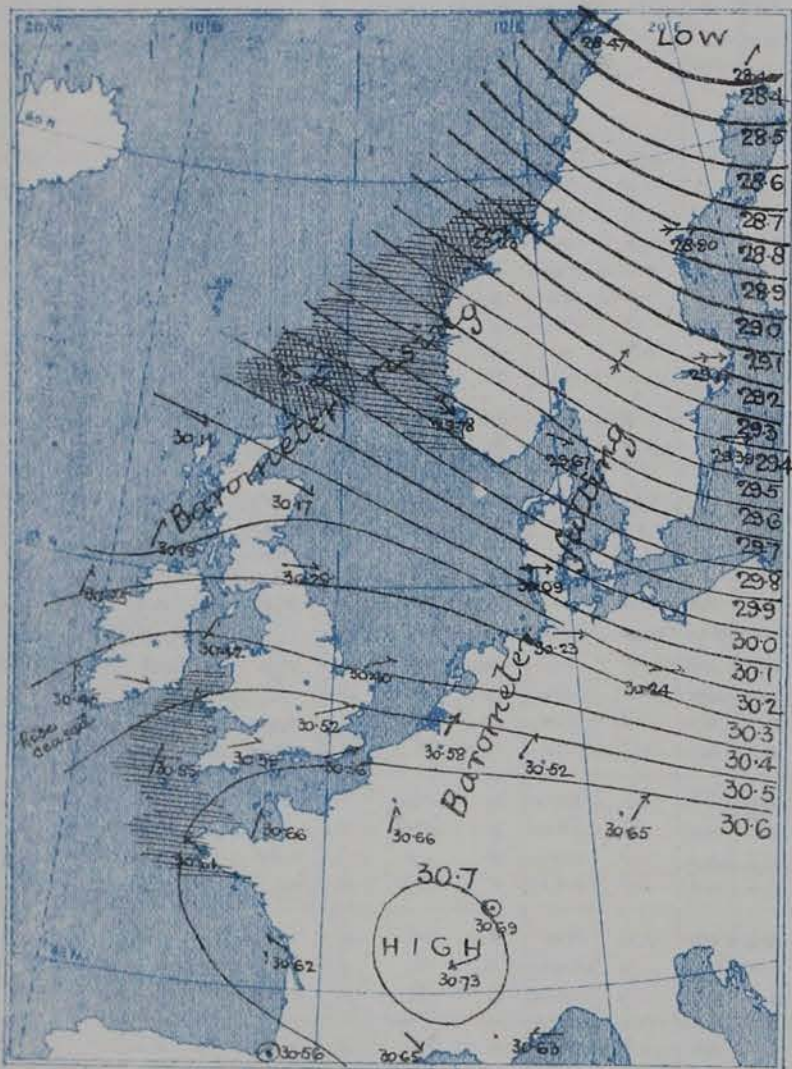
FOR WEDNESDAY, 11th FEBRUARY, 1903.

I. BAROMETER, WIND AND SEA. This Morning.

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → : Force 5 to 7 → : } Calm ☉
Force 8 to 10 → : Force 1 to 4 → :
SEA.—Rough  High 

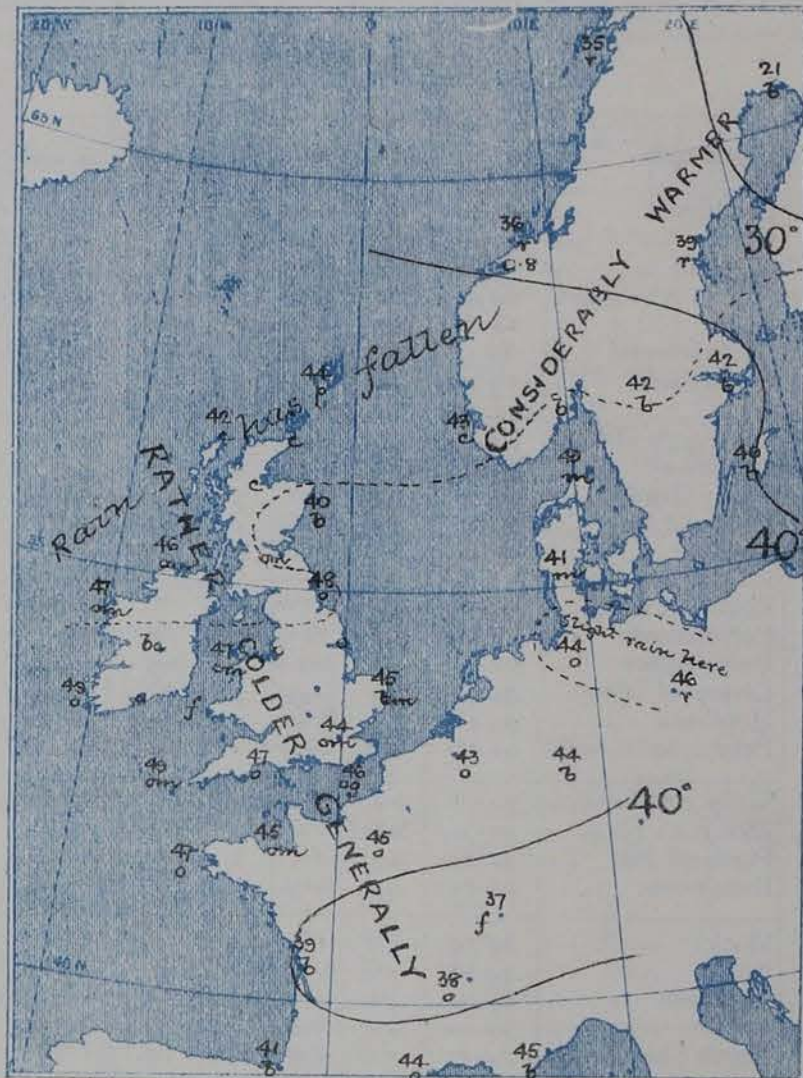


II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—(A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus —.06)



III. BAROMETER AND WIND

Yesterday morning.



IV. Means of Daily Recorded BRIGHT SUNSHINE (1881-1900), together with Means of Possible Duration for FEBRUARY.

Specimen (for Stornoway) { Average N° of Hours daily } 2.2
Total Possible 9.2



V. Means of DAILY TEMPERATURE at 8 A.M. for the monthly period FEBRUARY (1871-1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

During the past 24 hours the barometer has risen decidedly in nearly all parts of our area, and the southern anticyclone has extended more to the northward. In the extreme north and north-west of our Islands, however, a brisk fall has taken place during the night and still continues. Readings at present range from above 30.7 ins. over France and Central Europe to below 29.8 ins. in a large cyclonic disturbance lying to the northward of Scotland. Gradients are again rather steep over the more northern districts.

WIND

TEMPERATURE

WEATHER

AND

SEA

S¹ and S.W¹ winds prevail throughout the whole of North-western Europe; they are mostly light or moderate in force, but blow freely or strongly on our western and northern coasts, and a moderate gale in the north of Ireland and the Hebrides; at Shetland the wind has the force of a fresh gale. Temperature has risen quickly in Scotland and is again above the mean in all parts of the United Kingdom. At Valencia and Leith it is as high as 52°, and very little below 50° at any of our stations excepting Wick, where it is no higher than 38°. The Continental values range from 56° at Perpignan to 46° at Paris, 40° at Biarritz and Munich, 35° at Bodö, 31° at Berlin and 18° at Haparanda. The weather is fine and bright over the south of France, but cloudy or overcast in almost all other parts of our area, with rain in the Hebrides and Shetlands and slight drizzle at Oxford and Yarmouth. Rain is also reported at Brussels. The sea is rough off the west of Norway, the north of Scotland, the west of Ireland and the south-west of England, moderate to smooth elsewhere.

Maximum temperatures of 57° were recorded yesterday at Roche's Point, Yarmouth and Oxford, and readings of 50° and above at nearly all English and Irish stations. The night was again mild generally, and a lunar halo was observed at Southport and Leith. Rain has fallen over our northern and western districts and in some parts of Germany, but the amounts have not been heavy. Bright sunshine was very little prevalent except over North Wales, at Lowestoft and at Newton Regency.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The disturbance in the north seems to be moving away north-eastwards, but there are indications of the approach of another system towards our north-west coasts, so that fresh or strong winds from between S. and W. are probable in the west and north (with gales at exposed stations), and moderate S.W¹ or W¹ breezes over the southern and eastern districts. Temperature is likely to continue above the normal.

FORECASTS*

For the 24 hours ending at NOON on 11th February, 1903

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	S.W ¹ to W ¹ winds, fresh or strong, perhaps a gale; unsettled, squally, some rain. Mild.
1	SCOTLAND EAST	
2	ENGLAND N.E.	S.W ¹ to W ¹ winds, light or moderate; mild, cloudy or dull generally, slight rain locally.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as Nos. 0 and 1.
7	ENGLAND N.W.	S.W ¹ winds, fresh or strong; mild, unsettled, some rain.
8	ENGLAND S.W.	
9	IRELAND NORTH	Same as Nos. 0 and 1.
10	IRELAND SOUTH	S ¹ or S.W ¹ winds, increasing; mild, dull, some rain.
WARNINGS		At 7.15 p.m. yesterday to districts 0 and 6, "Hoist South Cone." The signals are still flying in part of district 9.

Note.—The South Cone, point downwards (⌣), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
The North Cone, point upwards (⌢), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

* For terms for transmission of Forecasts by Telegraph, see next page

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.					THIS MORNING 8 A.M.					PAST 24 HOURS.						
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine.	Rainfall
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.	Hrs.	Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	0	*	c, b	58	44	3.8	—
Newton Reigny (Penrith)	30.38	46	WSW 2	3	30.31	+2.6	48	47	-1	SSW 4	0	*	c, o, q	51	40	5.0	—
Bath	30.54	50	W 3	0	30.62	+2.4	49	47	-3	SW 2	0	*	—	52	47	0.0	0.01

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m.	51	47	os, b, o	7.4	0.03	Eastbourne	*	*	*	0.0	*
Rhyl	*	*	*	6.8	*	Hastings	*	*	*	0.0	*
Llandudno	*	*	*	7.8	*	Lowestoft, to 6 p.m. ...	58	47	c, o, b	5.9	0.01
Aberystwyth, to 6 p.m. ...	49	46	m, o	0.0	0.03	Harrogate, to 6 p.m. ...	54	48	c, b	2.5	0.05
Plymouth, to 9 p.m.	51	48	o, d	0.0	0.04	Manchester, to 9 p.m. ...	56	45	b, c, d, m	3.9	0.10
Worthing	*	*	*	0.2	*	Darwen, to 9 p.m. ...	50	44	c, o, m	1.0	0.34
Brighton	*	*	*	0.0	*	Birmingham, to 9 p.m. ...	58	45	o, b	7.2	—

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 9. II. 1903.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Utrecht	50	46	o, o	Ins. 0.04	Tunis	59	43	b, c	Ins.
Madrid	63	50	b, b	—	Algiers	63	48	b, b	—
Vienna	54	50	o, o	0.08	Madeira (Funchal) .Not Recd.				
St. Petersburg	37	30	s, s	?					
Trieste	45	37	c, o	—	8. II. 1903.				
Florence	55	39	b, o	—	Information not recd.	1 p.m.		1 p.m.	Measured 7 a.m.
Rome	55	34	b, b, c	—	Lugano				
Corsica (I. Sanguinaires) ...	59	46	m, m	—	Davos				
Naples	55	45	b, b	—	Lucerne				
Palermo	61	37	o, o	—	Lausanne				
Malta	62	50	b, c	—					

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.† (W.E.T.)	6 p.m.†
Holland	8 a.m. (")	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris) ...	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon) ...	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores (Point Delgada) ...	6 a.m. (Local) ...	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
(Horta)	6 a.m. (Local) ...	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

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

10. II. 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	7.22	12.7	4.52
Greenwich	7.26	12.14	5.2
Wick	8.0	12.26	4.51
Valencia	8.8	12.55	5.42

SUBSCRIPTIONS both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 " " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom Sixpence in addition to the cost of the inquiry and reply Telegrams. Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 12th February, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)						THIS MORNING. (See note on last page.)										PAST 24 HOURS.					
		BAROM.		TEMP.		WIND.		BAROMETER.		TEMPERATURE.				WIND.		Sea (0 to 9.)	Weather.	Temp.				Sun- shine. Hours.	Rainfall. Ins.
		At 32° and M. S. L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather.	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)	Weather.	Max.			Min.					
																			Ins.	°	Ins.		
SCANDINAVIA.	Haparanda ...	28.47	16	SW	4	0	28.89	+4.49	19	19	-2	N	2	C	*	-	28	16	*	-			
	Hernösand ...	28.89	34	NNW	9	0	28.89	+0.9	31	30	-8	NW	8	0	*	-	41	?	*	-			
	Stockholm ...	29.22	39	W	8	0	29.15	-0.2	31	26	-11	WNW	8	0	*	-	45	31	*	-			
	Wisby ...	29.40	39	W	6	0	29.27	-1.2	35	32	-5	W	8	0	*	-	41	30	*	-			
	Karlstad ...	29.38	40	W	8	0	29.39	+0.04	31	26	-11	WNW	4	0	*	-	*	*	*	-			
	Færder (X'ania Fjord) ...	29.51	40	W	4	0	29.52	+0.04	35	30	-6	WNW	5	0	4	-	?	35	*	-			
	Bodö ...	28.64	38	W	8	+	29.03	+5.6	33	31	-2	N	6	0	3	-	39	32	*	-			
	Christiansund ...	29.42	33	WNW	9	5	29.46	+2.3	30	27	-6	WNW	9	5	7	-	36	27	*	0.08			
	Skudesnaes ...	29.77	40	WNW	9	0	29.70	-0.8	34	33	-9	NNW	8	C	5	0	43	32	*	*			
	Sumburgh Head ...	29.82	43	WNW	6	0	29.95	+1.3	32	31	-12	N	4	C	6	cp, 0	46	31	*	0.28			
BRITISH ISLANDS.	Stornoway ...	30.12	43	WNW	3	0	30.15	+0.4	42	42	0	WNW	3	0	3	p, 0	49	40	2.1	0.04			
	Malin Head ...	30.29	46	SW	3	f	30.29	+1.0	45	42	-1	NW	4	0	3	c, f	48	42	*	0.04			
	Blacksod Pt. ...	30.31	50	SW	5	ym	30.38	+0.3	45	43	-2	N	3	0	3	ym, 7m	50	44	*	0.04			
	Valencia ...	30.40	50	S	3	om	30.41	-0.4	48	47	-1	WNW	2	om	4	om	52	47	0.0	0.11			
	Roche's Point ...	30.44	50	WSW	3	0	30.37	-1.1	49	48	-1	NW	3	0	3	0	50	46	*	0.01			
	Parsonstown ...	30.38	50	SW	1	0	30.35	-0.6	49	48	+1	SW	1	0.2	*	-	52	47	0.4	0.04			
	Donaghadee ...	30.32	48	W	2	ot	30.29	-0.5	46	44	-1	NW	3	0.6	3	-	50	43	*	0.09			
	Liverpool Obsy. ...	30.39	47	WSW	2	0	30.26	-1.3	46	46	-3	W	5	0	3	cp, 0	51	46	*	0.01			
	Holyhead ...	30.40	47	WSW	3	cm	30.30	-1.2	47	47	0	W	2	af	2	0, cm	49	47	*	-			
	Pembroke (St. Ann's) ...	30.46	46	SW	5	0	30.35	-1.5	48	47	+1	SW	5	ogm	4	-	48	45	0.0	0.01			
GERMANY, &c.	Scilly (St. Mary's) ...	30.49	49	SW	3	om	30.43	-1.2	49	47	0	W	3	C	4	0, om	51	46	0.0	-			
	Jersey (St. Aubins) ...	30.57	43	ESE	1	om	30.45	-1.2	45	44	0	NW	2	om	2	om, g	46	42	0.0	0.02			
	Portland Bill ...	30.53	45	WSW	2	0	30.40	-1.9	45	44	-2	WSW	2	C	2	0	48	44	*	-			
	Dungeness ...	30.50	46	WSW	5	0	30.34	-1.2	45	44	-1	WNW	3	og	1	C, 0	49	43	*	-			
	Wick ...	30.03	44	NW	6	C	30.04	0.0	39	38	-3	N	5	0.5, 7.0	2	-	47	38	*	0.03			
	Nairn ...	30.13	44	W	4	C	30.12	0.0	42	41	-1	W	2	C	1	-	49	41	*	0.01			
	Aberdeen ...	30.13	44	W	4	0	30.09	-0.8	42	40	+2	NW	4	+	2	0	50	40	6.2	-			
	Leith ...	30.23	47	WSW	3	0	30.17	-0.6	42	39	-6	WSW	2	0.7m	*	-	50	41	*	-			
	North Shields ...	30.26	48	W	1	0	30.18	-1.0	43	41	-5	W	3	C	2	C, 0	51	41	*	-			
	Spurn Head ...	30.30	45	W	4	0	30.18	-1.2	47	46	-1	W	4	0	3	-	49	45	*	-			
FRANCE.	Yarmouth ...	30.35	52	WNW	4	0.6	30.21	-1.9	44	42	-1	W	4	0.6m	3	C, 0.6	52	40	*	-			
	Loughborough ...																						
	Oxford ...	30.47	46	WSW	1	0	30.35	-1.8	44	43	-2	W	1	C	*	0, C	53	43	*	-			
	London (Brixton) ...	30.46	50	SW	2	0	30.34	-1.8	44	42	0	WSW	2	0	*	0, 0.6	56	43	2.8	-			
	The Scaw (Skagen) ...	29.66	42	WNW	9	7m	29.55	-1.2	39	38	-4	NW	4	C	1	-	45	37	*	-			
	Fanö ...	30.06	39	W	8	0	29.84	-1.2	40	39	-1	W	9	0	*	-	43	39	*	-			
	Cuxhaven ...	30.25	41	W	4	0	29.99	-1.2	41	40	-3	W	5	0	*	-	45	39	*	-			
	The Helder ...	30.30	44	WSW	4	0	30.13	-1.7	43	43	-3	W	5	0	6	-	45	43	*	0.04			
	Brussels ...	*	*	*	*	*	30.35	-1.2	38	38	-5	SW	4	+	*	-	46	38	*	-			
	Berlin ...	30.19	46	W	4	0	29.97	-1.2	44	41	-2	W	4	C	*	-	46	41	*	0.08			
SPAN. PEEL.	Frankfurt ...	30.41	43	SW	2	C	30.29	-1.2	38	36	-6	SW	2	0	*	-	52	37	*	-			
	Munich ...	30.51	42	SW	5	0	30.34	-1.4	38	35	+4	SW	4	0	*	-	50	34	*	-			
	C. Gris Nez ...	30.47	44	SW	5	0	30.33	-1.9	44	43	-1	WSW	5	0	5	-	46	43	*	-			
	Brest ...	30.54	45	S	1	f	30.47	-1.4	49	46	-6	NNW	2	0	2	-	52	45	*	-			
	Lorient ...	30.52	45	NE	3	0	30.46	-1.7	41	40	-4	NNE	1	0	5	-	54	39	*	-			
	Rochefort ...	30.52	50	NE	2	0	30.46	-1.6	38	38	-1	Z	0	7m	3	0.6, 0.8	59	38	*	-			
	Biarritz ...	30.49	60	Z	0	0	30.47	-0.9	48	48	+7	W	3	f	3	-	?	?	*	-			
	Paris ...	30.56	41	SSE	1	0	30.43	-1.2	35	35	-10	S	1	0	*	-	52	33	*	-			
	Belfort ...	30.54	41	WSW	4	7m	30.43	-1.2	30	30	-7	WSW	3	f	*	-	53	29	*	-			
	Lyons ...	30.60	40	ENE	1	0	30.49	-1.2	34	34	-4	SSW	1	f	*	-	45	33	*	-			
Nice ...	30.49	49	ESE	1	0	30.38	-1.2	41	39	-4	E	1	C	0	-	59	39	*	-				
Perpignan ...	30.53	46	Z	0	0	30.45	-1.2	41	41	-3	SW	1	0	*	-	62	40	*	-				
SPAN. PEEL.	Corunna ...																						
	Lisbon ...																						
	Azores (P. Delgada) ...																						
SPAN. PEEL.	(Horta) ...	29.90	58	SW	4	0	29.90	-0.7	59	56	-1	SSE	4	C	3	-	61	57	*	0.08			

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.

WEATHER CHARTS

FOR THURSDAY 12TH FEBRUARY, 1903.

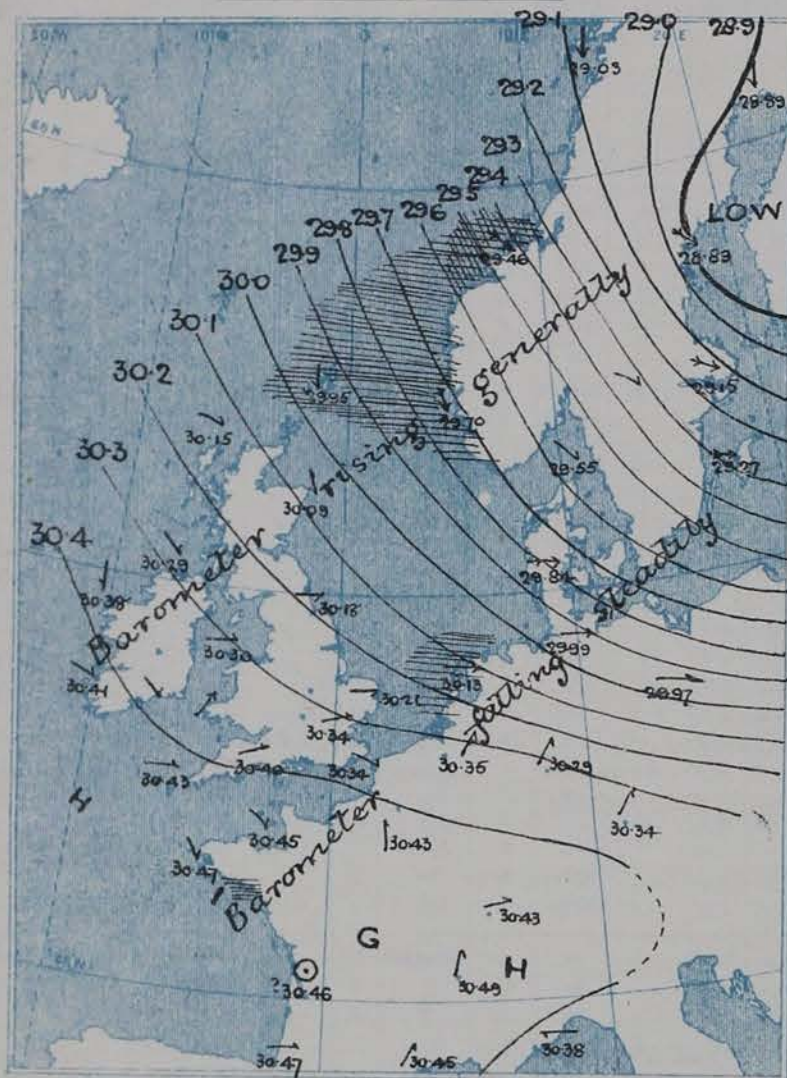
I. BAROMETER, WIND AND SEA. This Morning.

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → : Force 5 to 7 → } Calm ○
Force 8 to 10 → : Force 1 to 4 → }

SEA.—Rough High



II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

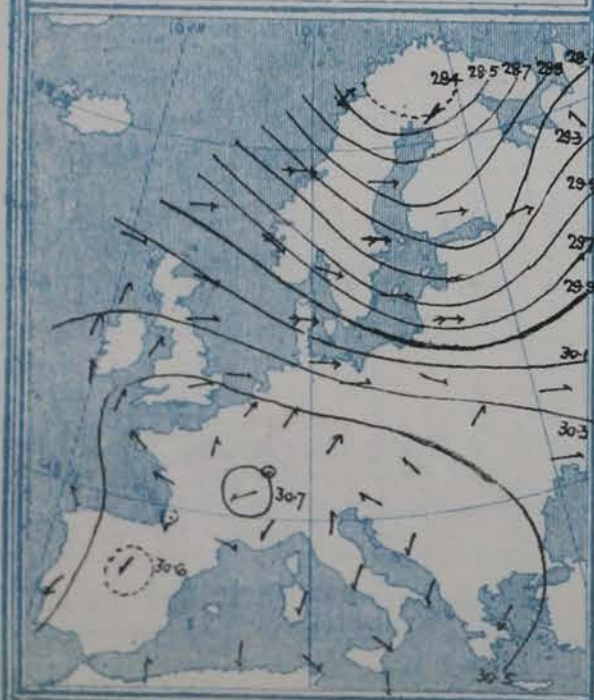
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6



III. BAROMETER AND WIND

Yesterday morning.



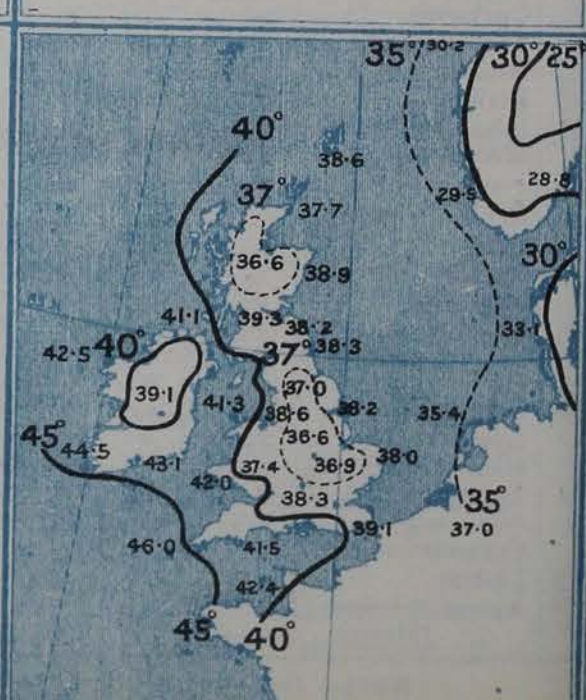
IV. Means of Daily Recorded BRIGHT SUNSHINE (1881-1900), together with Means of Possible Duration for FEBRUARY.

Specimen (for Stornoway) { Average No of Hours daily } 2.2
{ Total Possible } 9.2



V. Means of DAILY TEMPERATURE

at 8 A.M for the monthly period
FEBRUARY (1871-1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The barometer continues highest in a large anticyclone extending from France to Italy and South Germany, but has now become lowest in a very deep and extensive cyclonic system that has reached the north of Scandinavia and Lapland. The readings range from 30.61 in. at Bristol, 30.73 in. at Lyons, and 30.65 in. at Munich to 29.82 in. at Lumburg Head, to 28.47 in. at Bodø and to 28.40 in. at Haparanda. Pressure is increasing in most parts of our Islands, but the upward tendency has now ceased in the south-west of Ireland. In Sweden and the north of Norway the baric fall since yesterday has been unusually rapid.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind is light to fresh from W.S.W. or S.W. over our Islands generally, but W² in the extreme north of Scotland and S² at Valencia. Over Norway, Sweden, Denmark and the Baltic fresh or strong gales from W. or N.W. are general. Temperature has fallen in almost all British and Irish localities, but is still high for the time of year. It ranges from 50° at Roche's Point, 49° at Scilly and 48° at Leith to 42° at Bath and to 40° at Aberdeen. Over the Continental portion of our area the readings vary from 47° at Brest and 46° at Berlin to 34° at Munich, and from 43° at Skudeenæs to 21° at Haparanda.

The sky is overcast or very cloudy at most stations, both over our Islands and on the Continent. Slight rain is falling at Donaghadee, showers are reported in the Shetlands, and steady rain from Berlin and many parts of Scandinavia. The sea is high in the far north, rather rough on our south-west coasts, moderate to smooth elsewhere.

The highest temperatures registered over the United Kingdom yesterday were 57° at Wick and Pascoontown, but at almost all other stations the figures were above 50°. Rain was chiefly confined to our extreme north and north-west coasts and Scandinavia; at Christiansund there was 0.75 in. Very little bright sunshine was registered over the Kingdom as a whole, but Valencia had 3.5 hrs., London 2.5 hrs. and Llandudno 2.3 hrs. A lunar halo was observed at Stornoway at night.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The distribution of pressure continues favourable for the advance of cyclonic disturbances from the Atlantic. Rather unsettled weather is, therefore, probable generally, with winds mainly from between S.W. and W. and temperature above the normal.

FORECASTS *

For the 24 hours ending at NOON on 12th February, 1903

DISTRICTS.

FORECASTS.

- 0 $\overline{\text{T}}$ SCOTLAND NORTH
- 1 $\overline{\text{T}}$ SCOTLAND EAST
- 2 $\overline{\text{T}}$ ENGLAND N.E.
- 3 $\overline{\text{T}}$ ENGLAND EAST
- 4 $\overline{\text{T}}$ MIDLAND COUNTIES
- 5 $\overline{\text{T}}$ ENGLAND SOUTH

W² winds, backing later; some showers, but mostly fair.

W² to S.W² winds, light or moderate; a good deal of cloud at times, but fair as a whole.

DISTRICTS.

FORECASTS.

- 6 $\overline{\text{T}}$ SCOTLAND WEST
- 7 $\overline{\text{T}}$ ENGLAND N.W.
- 8 $\overline{\text{T}}$ ENGLAND S.W.
- 9 $\overline{\text{T}}$ IRELAND NORTH
- 10 $\overline{\text{T}}$ IRELAND SOUTH

Same as Nos. 0 and 1.

S² and S.W² winds, moderate to-day, increasing to-morrow; cloudy or dull, some rain.

WARNINGS

At 3.30 p.m. yesterday to districts 7 and 10, 'Hoist South Cone'. The signals are also flying in districts 0 and 6.

Note.—The South Cone, point downwards ($\overline{\text{T}}$), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.

The North Cone, point upwards ($\overline{\text{T}}$), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

* For terms for transmission of Forecasts by Telegraph, see next page.

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.						THIS MORNING 8 A.M.						PAST 24 HOURS.					
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.	
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.			
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	cw	*	o, c	51	43	1.5	—
Newton Reigny (Penrith)	30.20	49	SW 5	o	30.28	-.03	46	45	-2	WSW 3	o	*	c, o†	51	45	0.6	0.11	
Bath	30.57	51	SW 2	o	30.55	-.07	42	42	-7	SW 1	o	*	—	58	40	1.0	—	

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m....	52	45	o, c	0.1	—	Eastbourne	*	*	*	0.8	*
Rhyl	*	*	*	0.8	*	Hastings	*	*	*	0.1	*
Llandudno	*	*	*	2.3	*	Lowestoft, to 6 p.m. ...	53	36	bc, o, c	0.5	0.01
Aberystwyth, to 6 p.m. ...	50	46	o, c	1.2	—	Harrogate, to 6 p.m. ...	52	43	o, c, o†	0.1	—
Plymouth, to 9 p.m....	51	49	o, u	0.0	0.01	Manchester, to 9 p.m. ...	53	44	o, bc	0.1	—
Worthing	*	*	*	0.0	*	Darwen, to 9 p.m. ...	49	44	c, o, v	0.0	—
Brighton	*	*	*	0.0	*	Birmingham, to 9 p.m. ...	52	45	o	0.0	—

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 10. II. 1903.	TEMPERATURE F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE F.		WEATHER.	RAIN.
	Max. °	Min. °				Max. °	Min. °		
Utrecht	52	39	c, f	Ins. 0.08	Tunis	59	41	bc, bc	Ins. —
Madrid Not recd.	*	*	*	*	Algiers	64	50	c, bc	—
Vienna	55	36	r, c	0.32	Madeira (Funchal) ...	66	48	b, b	—
St. Petersburg	34	27	o, o	—	9. II. 1903.				Measured 7 a.m.
Trieste	?	41	o, b	—	1 p.m.		1 p.m.		
Florence	51	40	o, b	—	Lugano	45	—	c	—
Rome	55	44	c, o	—	Davos	41	—	o	—
Corsica (I. Sanguinaires) ...	57	48	o, m	—	Lucerne	50	—	o	—
Naples	54	46	c, o	—	Lausanne	46	—	b	—
Palermo	60	41	o, o	—					
Malta	62	49	c	0.04					

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium†	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.†
Holland	8 a.m. (")	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Ponta Delgada ...	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Horta ...	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

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

11. II. 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	7.20	12.7	4.54
Greenwich	7.24	12.14	5.4
Wick	7.57	12.26	4.54
Valencia	8.6	12.55	5.44

SUBSCRIPTIONS both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom Sixpence in addition to the cost of the inquiry and reply Telegrams. Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

† At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Friday, 13th February 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather	BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9.)	Weather.	Temp.		Sun- shine. Hours.	Rainfall. Ins.	
							At 32° Fabr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dir.	Force (0 to 12.)				Max.	Min.			
							Ins.	Ins.	°												
SCANDINAVIA.	Haparanda ...	29.19	5	N	4	bc	29.50	+1.61	2	2	-17	?	4	C	*	—	19	?	*	—	
	Hernösand ...	29.35	22	Z	0	0	29.52	+1.63	18	16	-13	WNW	4	bc	*	—	34	18	*	0.12	
	Stockholm ...	29.24	28	N	6	bc	29.57	+1.42	21	19	-10	W	4	bc	*	—	39	21	*	—	
	Wisby ...	29.26	32	WNW	8	bc	29.68	+1.38	29	28	-6	N	2	C	*	—	39	27	*	—	
	Karlstad ...	29.49	30	NW	4	bc	29.70	+1.31	25	21	-6	Z	0	C	*	—	*	*	*	—	
	Færder (X'ania Fjord)	29.60	32	NW	6	C	29.77	+1.25	30	24	-5	NW	5	bc	2	—	36	28	*	—	
	Bodö ...	29.36	26	N	5	bc	29.44	+1.41	24	23	-9	N	7	C	4	—	?	24	*	—	
	Christiansund ...	29.61	31	NW	9	S	29.80	+1.34	26	25	-4	NE	9	S	7	—	32	26	*	0.79	
	Skudesnaes ...	29.98	31	WNW	9	C	30.06	+1.36	28	28	-6	WNW	9	S	5	C	34	28	*	*	
	Sumburgh Head	30.21	30	N	5	0	30.18	+1.23	31	31	-1	Z	0	0	5	03	24	29	*	0.01	
BRITISH ISLANDS.	Stornoway ...	30.33	38	Z	0	0	30.29	+1.14	40	40	-2	WSW	2	0	2	0	45	31	2.2	0.02	
	Malin Head ...	30.43	44	NW	4	bc, p	30.44	+1.15	44	43	-1	WNW	3	C	3	bc, p	47	43	*	0.04	
	Blacksod Pt. ...	30.49	47	WNW	3	C	30.51	+1.13	45	44	0	SW	3	C	3	C	48	37	*	—	
	Valencia ...	30.51	46	NNE	2	1	30.56	+1.15	35	34	-13	E	1	bc	3	cm, b	50	33	0.4	0.02	
	Roche's Point ...	30.47	49	N	3	0	30.56	+1.19	41	40	-8	WNW	2	bc	2	0	54	40	*	—	
	Parsonstown ...	30.47	46	NW	1	0	30.55	+1.20	31	30	-18	E	1	bc	*	0, m, o	49	30	1.2	—	
	Donaghadee ...	30.39	45	NW	3	bc	30.46	+1.17	42	41	-4	WSW	2	C	1	—	50	38	*	—	
	Liverpool Obsy.	30.39	43	WNW	3	bc	30.49	+1.23	41	38	-5	NW	1	bc	2	m, b	47	39	*	0.01	
	Holyhead ...	30.41	46	WNW	2	C	30.51	+1.21	42	42	-5	NW	1	C	1	C	48	42	*	0.02	
	Pembroke (St. Ann's)	30.40	45	NNE	4	0	30.50	+1.15	42	38	-8	N	3	bcw	3	—	50	39	0.4	—	
GERMANY, &c.	Scilly (St. Mary's)...	30.41	50	WNW	4	opm	30.47	+1.04	47	45	-2	NNE	4	C	4	opm	52	46	0.0	—	
	Jersey (St. Aubins)...	30.40	49	WNW	3	om	30.47	+1.02	45	43	0	NNE	3	bcw	3	eg, opd	50	45	1.5	0.01	
	Portland Bill ...	30.37	48	NW	3	C	30.56	+1.10	39	37	-6	NE	2	bcw	2	C	49	38	*	—	
	Dungeness ...	30.30	51	NW	3	0	30.48	+1.14	39	38	-6	NNE	3	bc	1	b, o	53	34	*	—	
	Wick ...	30.30	35	N	4	0	30.23	+1.19	37	35	-2	NW	3	ops	2	—	42	32	*	0.01	
	Nairn ...	30.38	37	NW	1	bc	30.31	+1.19	37	35	-5	W	1	bc	1	—	44	32	*	—	
	Aberdeen ...	30.35	37	NW	3	C	30.35	+1.26	34	32	-8	WSW	3	bc	3	cp, c	43	32	1.4	0.03	
	Leith ...	30.35	41	WNW	1	bc	30.40	+1.23	38	35	-4	SW	1	bcw	*	—	51	30	*	—	
	North Shields ...	30.34	42	NNE	2	bc	30.43	+1.25	35	34	-8	WSW	2	cm	3	bc	50	33	*	—	
	Spurn Head ...	30.32	45	N	4	bc	30.45	+1.27	39	38	-8	WNW	3	bc	4	—	49	37	*	—	
FRANCE.	Yarmouth ...	30.25	45	WNW	4	bc	30.42	+1.21	38	36	-6	WNW	3	af	4	C, bc	50	35	*	—	
	Loughborough ...																				
	Oxford ...	30.40	42	WNW	2	bc	30.52	+1.17	38	37	-6	N	1	bc	*	C, b	54	36	*	—	
	London (Brixton)...	30.33	51	NW	3	0	30.49	+1.15	38	37	-6	Z	0	ogm	*	C, o, b	53	37	1.4	—	
	The Scaw (Skagen)	29.66	34	N	8	bc	29.82	+1.27	33	32	-6	N	7	bc	2	—	39	31	*	—	
	Fanö ...	29.98	35	WNW	9	bc	30.12	+1.28	33	32	-7	NW	9	S	*	bc, hp	41	30	*	—	
	Cuxhaven ...	29.97	38	WNW	6	bc	30.18	+1.19	35	33	-6	NW	6	bc	*	—	43	32	*	—	
	The Helder ...	30.19	41	N	6	bc	30.35	+1.22	39	36	-4	WNW	3	C	4	—	45	39	*	0.04	
	Brussels ...	*	*	*	*	*	30.45	+1.10	35	34	-3	NW	1	0	*	—	45	34	*	0.04	
	Berlin ...	30.29	37	W	4	bc	30.04	+1.07	33	30	-11	NW	4	bc	*	—	46	30	*	0.08	
SPAN. PEN.	Frankfurt ...	30.15	45	NW	6	bc	30.30	+1.01	36	33	-2	N	4	C	*	—	50	38	*	—	
	Munich ...	30.11	43	W	7	0	30.29	+1.05	34	33	-4	W	4	0	*	—	52	34	*	0.04	
	C. Gris Nez ...	30.28	46	WSW	3	0	30.41	+1.08	40	38	-4	ENE	2	bc	2	—	48	39	*	—	
	Brest ...	30.45	48	WNW	2	f	30.44	+1.03	46	46	-1	WNW	2	0	3	—	50	45	*	—	
	Lorient ...	30.43	45	NNE	1	0	30.45	+1.01	47	46	+6	N	2	0	4	—	54	41	*	—	
	Rochefort ...	30.45	43	NNE	3	0	30.45	+1.01	44	42	+6	NE	3	0	*	m, o	45	38	*	—	
	Biarritz ...	30.44	52	WSW	3	0	30.43	+1.04	47	46	-1	SE	1	0	3	—	54	45	*	—	
	Paris ...	30.38	43	WNW	1	0	30.43	+1.0	44	43	+9	NNE	3	C	*	—	44	35	*	—	
	Belfort ...	30.32	36	WSW	6	m	30.37	+1.06	35	32	+5	SE	4	m	*	—	43	30	*	—	
	Lyons ...	30.38	42	N	1	bc	30.40	+1.09	37	36	+3	N	1	0	*	—	47	34	*	—	

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.

WEATHER CHARTS

FOR FRIDAY, 13TH FEBRUARY, 1903.

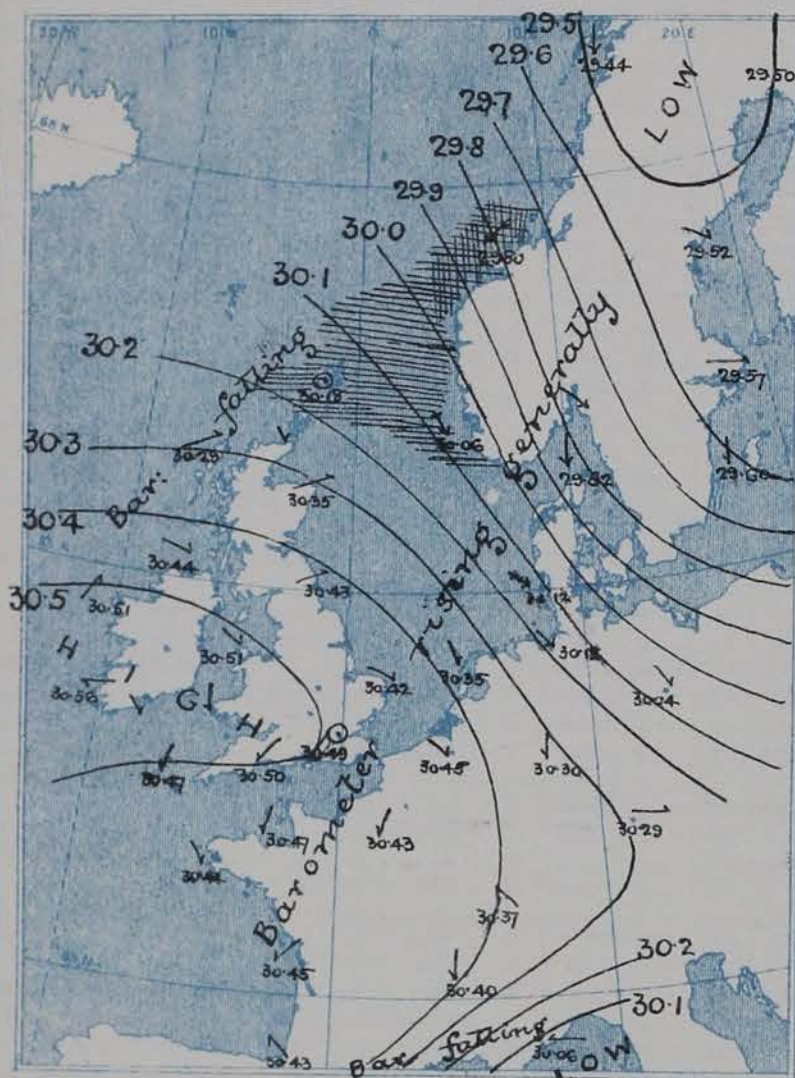
I. BAROMETER, WIND AND SEA. This Morning.

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → → → Force 5 to 7 → → → } Calm ☉
Force 8 to 10 → → → Force 1 to 4 → → →

SEA.—Rough High



II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus .06



III. BAROMETER AND WIND

Yesterday morning.



IV. Means of Daily Recorded BRIGHT SUNSHINE (1881-1900), together with Means of Possible Duration for FEBRUARY.

Specimen { Average No of } 2.2
(for Stornoway) { Hours daily }
{ Total Possible } 9.2



V. Means of DAILY TEMPERATURE

at 8 A.M. for the monthly period
FEBRUARY (1871-1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

Barometric pressure now ranges from 30.4 ins. and upwards in a large anticyclone extending from the Atlantic over our extreme southwest coasts and the Bay of Biscay to the east of France, to below 28.9 ins. in a cyclonic disturbance over the Gulf of Bothnia and its neighbourhood. The mercury is rising in most parts of our area, but is falling over France and Germany and is rather unsteady over England. Gradients are still steep over Scandinavia, but are tending to decrease.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind has veered to the W^d. or N.W^d. in most parts of the United Kingdom and is light or moderate in force, but over Scandinavia and Denmark, where it blows from the same quarters, it is very strong, a gale being reported at most stations. Over France it is light and variable. Temperature has fallen a little generally, but is still above the normal, excepting in the extreme north. It is as high as 48° or 49° at our most western and south-western stations, whence it decreases to 44° in London and at Yarmouth, 42° at Aberdeen, and to 32° in the Shetlands. The Continental readings range from 47° at Basel and 44° at Berlin to 35° at Paris, 30° at Christiania and 19° at Haparanda. The weather is cloudy or dull over the greater part of our area, but fine and bright in the south of Sweden and in isolated localities in these Islands. Snow is falling at Christiania, sleet showers at Wick, rain at Aberdeen and Brussels, and slight drizzle at some of our western stations. The sea is rough in the extreme north, slight in most other places. Maximum temperatures of 50° or above were registered yesterday in most parts of our Islands, and a reading of 56° in London. Rain has fallen at most of our northern and western stations, but in very small quantities. Little or no bright sunshine was recorded on our south coast, but London had 2.8 hrs., Stockholm 2.1 hr. and Aberdeen 6.2 hrs.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

It appears probable that the high pressure area will extend gradually northwards and affect all our southern and western districts during the ensuing 24 hours. Fair weather is likely over the greater part of the Kingdom, with rather lower temperatures - especially at night.

FORECASTS *

For the 24 hours ending at NOON on 13th February, 1903

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

0 { SCOTLAND
NORTH

Nth or N.Wth breezes, fair and cool generally, but sleet showers locally.

1 { SCOTLAND
EAST

2 { ENGLAND
N.E.

Wth to N.Wth winds, light or moderate; fair as a whole. Cooler.

3 { ENGLAND
EAST

4 { MIDLAND
COUNTIES

Wth or N.Wth winds, light; cool and fair generally.

5 { ENGLAND
SOUTH

6 { SCOTLAND
WEST

Same as Nos. 0 and 1.

7 { ENGLAND
N.W.

8 { ENGLAND
S.W.

N.Wth winds, light or moderate; fair as a whole. Cooler.

9 { IRELAND
NORTH

10 { IRELAND
SOUTH

WARNINGS

None issued.

Note.—The South Cone, point downwards (∇), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone. The North Cone, point upwards (∇), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

* For terms for transmission of Forecasts by Telegraph, see next page.

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.					THIS MORNING 8 A.M.					PAST 24 HOURS.						
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.		
Clacton-on-Sea	"	"	"	"	"	"	"	"	"	"	bc	"	b	54	45	7.8	—
Newton Reigny (Penrith)	30.27	46	WSW 2	0	30.18	-.10	41	40	-5	WNW 1	0	"	09	51	41	0.0	0.02
Bath	30.49	48	W 3	0	30.36	-.19	47	45	+5	W 3	0	"	—	51	42	1.1	—

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m....	49	46	0, 0, 0	0.0	0.02	Eastbourne	50	43	0	0.0	—
Rhyl	48	45	0, 0	0.0	—	Hastings	50	43	0	0.0	—
Llandudno	48	45	0, 0	0.2	—	Lowestoft, to 6 p.m. ...	53	43	0, 0	1.0	—
Aberystwyth, to 6 p.m. ...	48	45	0, 0	0.3	—	Harrogate, to 6 p.m. ...	50	45	0	0.0	0.06
Plymouth, to 9 p.m....	48	45	0, 0	0.0	—	Manchester, to 9 p.m. ...	50	47	0, 0, 0, 0	0.0	0.07
Worthing	48	45	0, 0	0.0	—	Darwen, to 9 p.m. ...	48	43	0, 0, 0, 0, 0	0.0	0.24
Brighton	48	45	0, 0	0.0	—	Birmingham, to 9 p.m. ...	53	43	0, 0, 0	0.0	—

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. ...II...II...1903.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max. °	Min. °				Max. °	Min. °		
Utrecht... ..	48	41	o, o	Ins.	Tunis	59	46	c, o	Ins.
Madrid	66	34	3, 3	—	Algiers	63	50	c, c	—
Vienna	41	30	c, f	—	Madeira (Funchal)	68	52	c, o	—
St. Petersburg	32	23	c, s	—					
Trieste	52	37	3, 3	—					
Florence	59	35	3, 3	—	...10...II...1903.	1 p.m.		1 p.m.	Measured 7 a.m.
Rome	56	41	3, 3	—					
Corsica (I. Sanguinaires)	61	46	m, m	—	Lugano	48	—	3	—
Naples	51	43	3, 3	—	Davos	36	—	3	0.16
Palermo	54	41	r, o	0.08	Lucerne	43	—	o	0.08
Malta	56	35	o	—	Lausanne	48	—	3	—

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.					TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.			
COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.	12... II, 1908.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.† (W.B.T.)	6 p.m.†	Yarmouth	7.18	12.7	4.56
Holland	8 a.m. (" ")	8 a.m.	7 p.m. (W.E.T.)	7 p.m.				
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.				
France	7 a.m. (Paris) ...	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.				
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.				
Portugal	8 a.m. (Lisbon) ...	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.				
Azores { Point Delgada ...	6 a.m. (Local) ...	7.43 a.m.	9 p.m. (Local)	10.43 p.m.				
{ Horta	6 a.m. (Local) ...	7.55 a.m.	9 p.m. (Local)	10.55 p.m.	Valencia	8.44	12.55	5.46

SUBSCRIPTIONS both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
 " Weekly " " £1 10 0

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on *Saturday, 14th February* 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Temp.		Sun- shine. Hours.	Rainfall. Ins.	
At 32° and M.S.L.	Dry Bulb.	Dirac.	Force (0 to 12.)	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dirac.	Force (0 to 12.)	Max.	Min.									
Ins.	°			Ins.	Ins.	°															
SCANDINAVIA.	Haparanda ...	29.29	6	N	2	0	29.38	+0.07	-1	-2	-3	SW	2	0	*	-	9	-1	*	-	
	Hernösand ...	29.84	17	N	2	0	29.54	+0.02	12	10	-6	Z	0	0	*	-	25	12	*	-	
	Stockholm ...	29.70	23	W	2	0	29.66	+0.09	15	14	-6	W	2	0	*	-	28	15	*	-	
	Wisby ...	29.73	28	N	3	0	29.71	+0.11	24	23	-5	N	2	0	*	-	34	23	*	-	
	Karlstad ...	29.88	23	WNW	2	0	29.74	+0.04	18	18	-7	W	2	0	*	-	*	*	*	-	
	Færder (X'ania Fjord) ...	29.92	29	NW	4	0	29.69	-0.08	29	24	-1	S	2	0	1	-	34	27	*	-	
	Bodö ...	29.54	26	NW	6	0	29.41	-0.03	27	25	+3	NNW	6	0	2	-	27	23	*	-	
	Christiansund ...	29.90	26	WNW	5	0	29.63	-0.17	26	25	0	WSW	6	0	5	-	27	25	*	0.12	
	Skudesnaes ...	30.01	30	Z	0	0	29.59	-0.47	29	28	+1	ENE	4	0	3	0, 7	34	27	*	*	
BRITISH ISLANDS.	Sumburgh Head ...	29.91	33	SE	3	0	29.54	-0.64	44	43	+13	WNW	4	0	6	S	46	31	*	0.49	
	Stornoway ...	30.09	48	W	4	0	29.88	-0.41	47	47	+7	NW	6	0	6	0	49	39	0.0	0.10	
	Malin Head ...	30.29	45	W	4	0	30.12	-0.32	47	46	+3	WNW	4	0	4	0	47	44	*	0.10	
	Blacksod Pt. ...	30.42	47	WSW	4	0	30.27	-0.24	48	46	+3	W	3	0	3	0	49	43	*	0.07	
	Valencia ...	30.48	47	SW	1	0	30.34	-0.22	47	45	+12	W	1	0	4	0	50	34	5.9	0.01	
	Roche's Point ...	30.47	50	SSW	2	0	30.34	-0.22	45	43	+4	NNW	1	0	1	0	52	39	*	0.01	
	Parsonstown ...	30.44	44	WSW	1	0	30.28	-0.27	45	44	+14	SW	1	0	0	0	49	30	3.0	0.02	
	Donaghadee ...	30.34	47	WNW	2	0	30.12	-0.34	47	46	+5	WNW	3	0	2	0	48	40	*	-	
	Liverpool Obsy. ...	30.38	43	WNW	3	0	30.13	-0.36	44	43	+3	W	6	0	5	0	46	41	*	-	
	Holyhead ...	30.41	45	WSW	2	0	30.21	-0.30	45	44	+3	W	4	0	3	0	48	42	*	-	
GERMANY, &c.	Pembroke (St. Ann's) ...	30.47	47	WSW	2	0	30.27	-0.23	46	45	+6	W	4	0	3	0	48	40	6.6	-	
	Scilly (St. Mary's) ...	30.45	47	NE	2	0	30.34	-0.13	46	43	-1	NW	2	0	3	0	52	43	7.4	-	
	Jersey (St. Aubins) ...	30.46	47	ENE	3	0	30.35	-0.12	40	39	-5	WSW	2	0	2	0	52	35	7.8	0.01	
	Portland Bill ...	30.46	45	NNW	1	0	30.28	-0.22	44	42	+5	WNW	3	0	2	0	51	38	*	-	
	Dungeness ...	30.43	44	WNW	3	0	30.19	-0.29	40	39	+1	WNW	4	0	2	0	49	35	*	-	
	Wick ...	29.95	44	NW	5	0	29.72	-0.51	46	45	+9	NW	6	0	3	0	47	36	*	0.20	
	Nairn ...	30.06	47	SW	2	0	29.84	-0.47	48	46	+11	W	2	0	1	0	50	35	*	-	
	Aberdeen ...	30.08	46	WSW	4	0	29.78	-0.57	49	46	+15	WNW	5	0	2	0	50	33	0.0	0.02	
	Leith ...	30.17	47	SW	3	0	29.90	-0.50	49	47	+11	SW	3	0	*	0	49	37	*	-	
	North Shields ...	30.24	45	SW	2	0	29.91	-0.52	46	45	+11	W	4	0	2	0	47	34	*	-	
FRANCE.	Spurn Head ...	30.31	44	WSW	2	0	29.98	-0.47	45	44	+6	W	5	0	4	0	46	38	*	-	
	Yarmouth ...	30.35	42	WNW	2	0	30.03	-0.39	42	40	+4	W	4	0	4	0	44	35	*	-	
	Loughborough ...	30.41	43	NW	1	0	30.20	-0.32	40	39	+2	WSW	2	0	*	0	48	36	*	-	
	Oxford ...	30.41	43	WNW	1	0	30.20	-0.29	39	37	+1	W	3	0	*	0	47	36	0.7	-	
	London (Brixton) ...	30.41	43	WNW	1	0	30.20	-0.29	39	37	+1	W	3	0	*	0	47	36	0.7	-	
	The Scaw (Skagen) ...	29.95	32	N	3	0	29.69	-0.13	30	30	-3	S	3	0	1	0	34	28	*	-	
	Fanö ...	30.04	36	W	6	0	29.63	-0.49	39	39	+6	WSW	6	0	*	0	39	32	*	0.28	
	Cuxhaven ...	30.21	36	NW	5	0	29.80	-0.38	40	39	+5	WSW	5	0	*	0	40	35	*	0.16	
	The Helder ...	30.29	40	NNW	4	0	29.93	-0.42	43	42	+4	WNW	6	0	5	0	43	37	*	0.04	
	Brussels ...	*	*	*	*	*	38	37	37	37	+3	SW	4	0	*	0	41	34	*	-	
SPAN. PEN.	Berlin ...	30.06	33	WNW	4	0	29.88	-0.16	34	32	+1	WNW	3	0	*	0	36	30	*	0.04	
	Frankfurt ...	30.33	36	W	4	0	30.18	-0.12	36	32	0	W	2	0	*	0	41	36	*	-	
	Munich ...	30.33	31	W	4	0	30.23	-0.06	30	28	-4	W	4	0	*	0	36	28	*	-	
	C. Gris Nez ...	30.41	43	SW	2	0	30.17	-0.24	44	41	+4	WSW	4	0	3	0	49	40	*	-	
	Brest ...	30.45	44	NE	2	0	30.37	-0.07	40	39	-6	ENE	1	0	1	0	52	39	*	-	
	Lorient ...	30.41	49	NE	2	0	30.35	-0.10	40	39	-7	E	2	0	2	0	54	39	*	-	
	Rochefort ...	30.40	50	NE	3	0	30.39	-0.06	37	37	-7	E	3	0	0	0	54	34	*	-	
	Biarritz ...	30.39	46	N	3	0	30.34	-0.09	37	37	-10	Z	0	0	2	0	48	36	*	-	
	Paris ...	30.44	41	NE	2	0	30.34	-0.09	32	31	-12	S	1	0	*	0	49	29	*	-	
	Belfort ...	30.36	32	ENE	3	0	30.31	-0.06	27	25	-8	NW	3	0	*	0	43	26	*	-	
SPAN. PEN.	Lyons ...	30.34	40	N	2	0	30.35	-0.05	30	28	-7	NNW	1	0	*	0	47	28	*	-	
	Nice ...	30.07	47	Z	0	0	30.09	+0.03	44	40	+5	E	4	0	1	0	55	39	*	-	
	Perpignan ...	30.21	48	NNW	3	0	30.19	-0.07	43	39	-5	SW	1	0	*	0	58	41	*	-	
SPAN. PEN.	Corunna ...	30.20	55	N	3	0	30.21	-0.05	44	43	-6	N	4	0	*	0	61	44	*	-	
	Lisbon ...	29.62	55	SW	5	0	29.67	-0.05	58	54	-1	SW	6	0	5	0	61	54	*	0.32	
	Azores (P. Delgada) ...	29.56	57	Z	0	0	29.55	-0.12	57	54	0	SW	4	0	2	0	61	54	*	0.16	

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

ERRATUM. — The Barometer at Haparanda for 8 a.m. yesterday should read 29.31.

WEATHER CHARTS

FOR SATURDAY, 14th FEBRUARY, 1903.

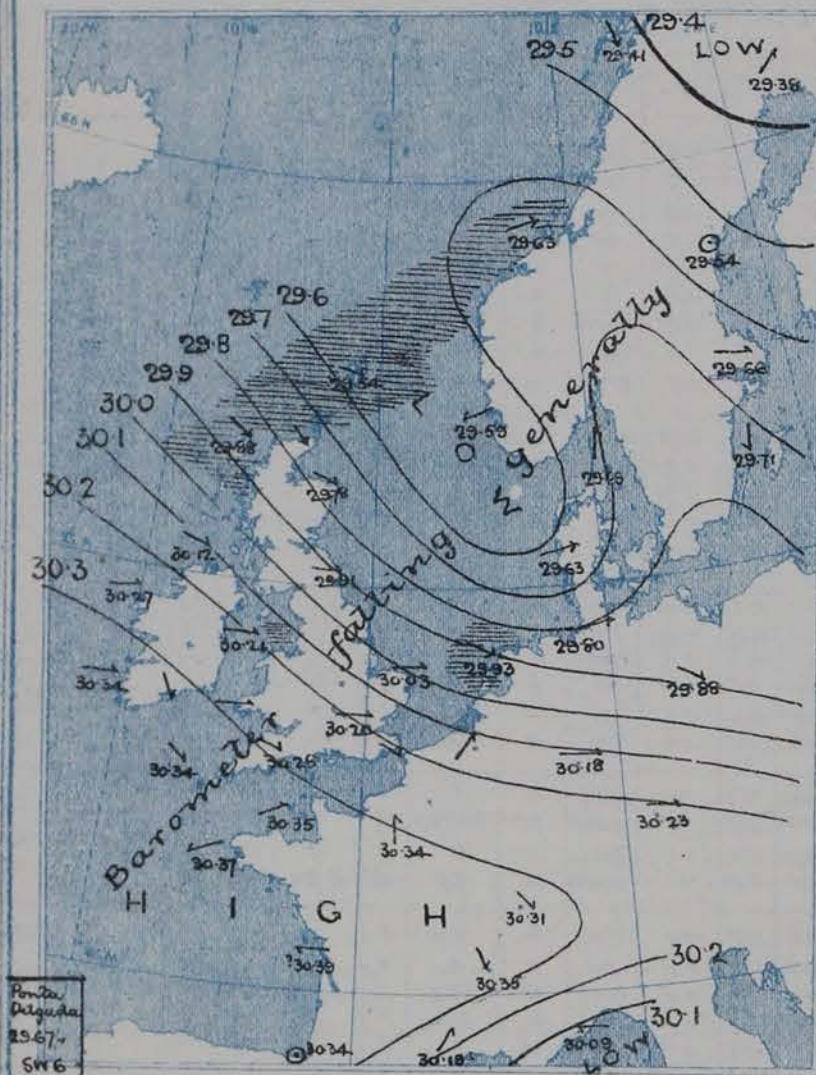
I. BAROMETER, WIND AND SEA. This Morning.

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → Force 5 to 7 → } Calm ○
Force 8 to 10 → Force 1 to 4 →

SEA.—Rough High



II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—(V6)



III. BAROMETER AND WIND

Yesterday morning.



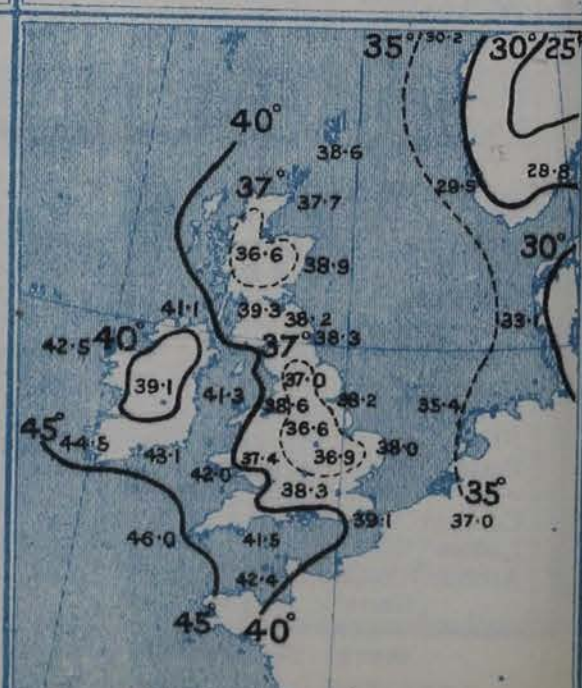
IV. Means of Daily Recorded BRIGHT SUNSHINE (1881-1900), together with Means of Possible Duration for FEBRUARY.

Specimen { Average No. of } 2.2
(for Stornoway) { Hours daily }
Total Possible 9.2



V. Means of DAILY TEMPERATURE

at 8 A.M. for the monthly period
FEBRUARY (1871-1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

Since yesterday morning the highest pressure has become transferred to Ireland and the west of England, while the barometer has remained lowest over the extreme north of Scandinavia and the Gulf of Bothnia. The readings vary from 30.56 in. on the south coast of Ireland and 30.52 in. at Oxford to 29.50 in. at Haparanda and to 29.44 in. at Bodö. Gradients are still steep over Norway and its neighbourhood, but are now very slight elsewhere. The mercury is rising over our area as a whole, but a fall has set in during the night on our own northern coasts.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind continues to blow a fresh or strong gale from the N.W. over Norway and Denmark, and is strong from that quarter over North Germany. Over the United Kingdom and France it is very light in force - from the W. over our northern and eastern districts and from the N. or N.E. on our southern and western coasts and in most parts of France.

Temperature has fallen several degrees over our Islands and is now about equal to or below the normal value. It ranges from 47° at Derry and 45° at Blackhead Point to 35° at Valencia and Shields, 34° at Aberdeen, and to 31° at Lumburg Head, Parnassus and Bath. Over the western portion of the Continent it ranges from 47° at Biarritz and 44° at Paris to below 35° at most German stations, to 33° over Denmark, 26° at Christiansund, 18° at Herne and to 2° at Haparanda.

The weather is fine and fairly bright generally, but a good deal of cloud prevails at some French, German and Scotch stations, snow is falling in Norway and at Fars, and sleet showers prevail at Wick. The sea is rough in the extreme north, moderate to smooth elsewhere.

Maximum temperatures of 50° or a little higher were again recorded in several parts of our Islands yesterday, but the minima during the night were much lower than of late, the screened thermometer falling to 32° or slightly below in many parts of the Kingdom. Slight rain fell at our northern and some of our western stations, as well as over Germany and the Netherlands and as much as 0.79 in. (of melted snow) at Christiansund. Bright sunshine was more prevalent on our south-east coasts and over the north of England than elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The basic fall in Scotland is probably due to a small secondary disturbance which will only affect our most northern districts. The country as a whole seems likely to remain under the influence of the anticyclone and the weather will be cool and fine generally, although foggy or misty in places.

FORECASTS *

For the 24 hours ending at NOON on 14th February, 1903

DISTRICTS.



FORECASTS.

DISTRICTS.

FORECASTS.

0	{ SCOTLAND NORTH	N th or N.W. th winds, freshening; some snow or sleet showers.
1	{ SCOTLAND EAST	Light winds between S.W. and N.W., cold, fair generally, but haze or fog locally.
2	{ ENGLAND N.E.	
3	{ ENGLAND EAST	N.W. th winds, light; fair, but fog locally. Frost at night.
4	{ MIDLAND COUNTIES	
5	{ ENGLAND SOUTH	N th and N.E. th airs and calms; fair as a whole, but fog in places. Frost at night.

6	{ SCOTLAND WEST	W. th winds, light or moderate; fair generally, cool. Frost inland at night.
7	{ ENGLAND N.W.	
8	{ ENGLAND S.W.	N th or N.E. th winds, light; cold, fair generally.
9	{ IRELAND NORTH	Same as Nos. 6 and 7.
10	{ IRELAND SOUTH	Light variable airs; fair generally, Frost inland at night.
WARNINGS		None issued.

Note.—The South Cone, point downwards (), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
The North Cone, point upwards (), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

* For terms for transmission of Forecasts by Telegraph, see next page.

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.					THIS MORNING 8 A.M.					PAST 24 HOURS.						
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.		
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	bc	*	bc, c	51	37	2.3	—
Newton Reigny (Penrith)	30.28	44	W 1	0	30.39	+ .21	32	32	- 9	SSE 1	0	*	0	50	30	4.5	—
Bath	30.36	49	SW 2	0	30.52	+ .16	31	31	- 16	SW 1	0	*	—	53	30	2.3	0.01

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m.	48	42	0, c, b	4.0	0.01	Eastbourne	*	*	*	6.0	*
Rhyl	*	*	*	2.2	*	Hastings	*	*	*	4.9	*
Llandudno	*	*	*	1.2	*	Lowestoft, to 6 p.m. ...	51	42	bc, c, b	1.0	—
Aberystwyth, to 6 p.m. ...	48	45	c	0.3	—	Harrogate, to 6 p.m. ...	48	44	0, c, b, b	5.7	0.03
Plymouth, to 9 p.m.	53	46	c, b	1.3	0.01	Manchester, to 9 p.m. ...	48	42	0, b, bc	2.9	0.02
Worthing	*	*	*	3.8	*	Darwen, to 9 p.m. ...	45	38	0, c, bc, om	3.6	0.11
Brighton	*	*	*	5.1	*	Birmingham, to 9 p.m. ...	50	41	0	0.0	—

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 12. II. 1903. <i>Information not received.</i>	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max. °	Min. °				Max. °	Min. °		
Utrecht				Ins.	Tunis				Ins.
Madrid					Algiers				
Vienna					Madeira (Funchal) ...				
St. Petersburg									
Trieste					11. II. 1903.	1 p.m.		1 p.m.	Measured 7 a.m.
Florence					Lugano	43	—	b	—
Rome					Davos	36	—	b	—
Corsica (I. Sanguinaires) ...					Lucerne	36	—	f	—
Naples					Lausanne	45	—	b	—
Palermo									
Malta									

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.					TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET. FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.			
COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corres- ponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corres- ponding Greenwich Times.	13. II. 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.‡	Yarmouth	7.16	12.7	4.58
Holland	8 a.m. (")	8 a.m.	7 p.m. (W.E.T.)	7 p.m.	Greenwich	7.20	12.14	5.8
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Wick	7.52	12.26	5.0
France	7 a.m. (Paris) ...	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Valencia	8.2	12.55	5.48
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.				
Portugal	8 a.m. (Lisbon) ...	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.				
Azores (Point Delgada) ...	6 a.m. (Local) ...	7.43 a.m.	9 p.m. (Local)	10.43 p.m.				
(Horta)	6 a.m. (Local) ...	7.55 a.m.	9 p.m. (Local)	10.55 p.m.				

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" Weekly " " " £1 10 0 " " " Single Copies, 6d.

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom Sixpence in addition to the cost of the inquiry and reply Telegrams. Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Sunday, 15th February

1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.	YESTERDAY EVENING. (See note on last page.)						THIS MORNING. (See note on last page.)										PAST 24 HOURS.			
	BAROM.	TEMP.	WIND.		Weather.	Sea (0 to 9.)	BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9.)	Weather.	Temp.		Sun- shine. Hours.	Rainfall. Ins.
	At 32° and M.S.L.	Dry Bulb.	Dirac.	Force (0 to 12.)			At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dirac.	Force (0 to 12.)				Max.	Min.		
	Ins.	°					Ins.	Ins.	°											
SCANDINAVIA.	Haparanda ...	29.23	-10	NW	2	0	29.33	-0.05	-9	-10	-8	N	2	0	1	0	10	-11	*	-
	Hernösand ...	29.36	8	Z	0	0	29.41	-0.13	10	9	-2	Z	0	0	1	0	23	9	*	-
	Stockholm ...	29.41	19	W	2	0	29.39	-0.27	13	12	-2	WNW	2	0	1	0	23	13	*	-
	Wisby ...	29.45	27	N	2	0	29.43	-0.28	25	23	+1	N	2	0	1	0	32	21	*	-
	Karlstad ...	29.52	22	Z	0	0	29.53	-0.21	14	13	-4	Z	0	0	1	0	*	*	*	-
	Færder (X'ania Fjord)	29.53	26	N	2	0	29.63	-0.06	27	24	-2	N	4	0	2	0	29	25	*	0.08
	Bodö ...	29.39	24	NW	4	0	29.45	+0.04	30	28	+3	NNW	6	0	3	0	30	21	*	0.24
	Christiansund ...	29.56	28	N	3	0	29.74	+0.11	29	27	+3	NNE	6	0	5	0	29	26	*	0.24
	Skudesnaes ...	29.59	30	Z	0	0	29.78	+0.19	28	27	-1	NNE	4	0	2	0	30	27	*	*
	Sumburgh Head ...	29.63	42	WNW	4	0	29.99	+0.45	33	30	-11	N	2	0	4	0	44	33	*	0.13
BRITISH ISLANDS.	Stornoway ...	29.88	47	NW	5	0	29.95	+0.07	44	43	-3	Z	0	0	0	0	50	41	0.0	0.12
	Malin Head ...	30.07	45	W	5	0	30.06	-0.06	46	45	-1	WNW	3	0	2	0	47	45	*	0.04
	Blacksod Pt. ...	30.21	48	WNW	3	0	30.15	-0.12	43	42	-5	Z	0	0	2	0	48	41	*	0.05
	Valencia ...	30.26	47	WSW	2	0	30.17	-0.17	46	43	-1	SSW	1	0	4	0	49	44	0.0	-
	Roche's Point ...	30.25	48	WNW	2	0	30.20	-0.14	45	43	0	W	3	0	2	0	49	44	*	-
	Parsonstown ...	30.21	45	SW	1	0	30.17	-0.11	41	41	-4	SW	1	0	1	0	47	40	0.0	-
	Donaghadee ...	30.09	48	NW	3	0	30.06	-0.06	45	44	-2	W	1	0	1	0	49	44	*	0.02
	Liverpool Obsy. ...	30.08	46	W	6	0	30.06	-0.07	44	44	0	W	4	0	4	0	47	43	*	-
	Holyhead ...	30.14	47	W	7	0	30.11	-0.10	45	44	0	WNW	5	0	4	0	48	44	*	-
	Pembroke (St. Ann's)	30.21	46	WNW	5	0	30.15	-0.12	46	44	0	WNW	4	0	3	0	48	45	0.2	-
GERMANY, &c.	Scilly (St. Mary's) ...	30.26	47	NW	4	0	30.17	-0.17	46	43	0	WNW	4	0	3	0	50	42	0.0	-
	Jersey (St. Aubins) ...	30.25	41	W	4	0	30.18	-0.17	46	43	+6	WNW	3	0	3	0	50	39	2.5	-
	Portland Bill ...	30.19	46	NW	3	0	30.13	-0.15	46	43	+2	NW	4	0	3	0	47	43	*	-
	Dungeness ...	30.06	46	W	4	0	30.02	-0.17	46	45	+6	NW	3	0	1	0	48	39	*	-
	Wick ...	29.78	44	NW	6	0	29.96	+0.24	34	32	-12	N	2	0	2	0	49	33	*	0.08
	Nairn ...	29.84	49	WSW	3	0	29.99	+0.15	40	39	-8	Z	0	0	1	0	50	39	*	-
	Aberdeen ...	29.80	48	WNW	4	0	30.00	+0.22	36	33	-13	NW	3	0	3	0	53	36	4.3	0.02
	Leith ...	29.90	49	WSW	3	0	29.99	+0.09	44	43	-5	NE	2	0	*	0	53	42	*	0.01
	North Shields ...	29.88	49	W	4	0	29.97	+0.06	43	43	-3	NW	2	0	3	0	52	42	*	0.05
	Spurn Head ...	29.89	47	W	6	0	29.96	-0.02	43	43	-2	N	4	0	3	0	49	43	*	0.03
FRANCE.	Yarmouth ...	29.91	49	NW	5	0	29.94	-0.09	44	43	+2	WNW	3	0	3	0	50	40	*	0.09
	Loughborough ...	30.11	47	W	2	0	30.07	-0.13	44	41	+4	W	2	0	*	0	50	40	*	-
	Oxford ...	30.07	49	WSW	2	0	30.07	-0.13	46	43	+7	W	2	0	0	0	49	38	0.2	-
	London (Brixton) ...	30.07	49	WSW	2	0	30.07	-0.13	46	43	+7	W	2	0	0	0	49	38	0.2	-
	The Scaw (Skagen) ...	29.52	29	Z	0	0	29.62	-0.07	31	30	-1	NNE	3	0	1	0	34	27	*	0.04
	Fanö ...	29.54	33	WNW	2	0	29.69	+0.06	31	30	-8	N	2	0	*	0	41	30	*	0.08
	Cuxhaven ...	29.60	41	W	5	0	29.69	-0.11	36	35	-4	NW	1	0	*	0	41	36	*	0.32
	The Helder ...	29.80	44	WNW	6	0	29.84	-0.09	41	40	-2	N	4	0	5	0	45	41	*	0.08
	Brussels ...	*	*	*	*	*	29.95	-0.24	43	43	+5	WNW	4	0	*	0	44	37	*	0.20
	Berlin ...	29.45	42	WNW	4	0	29.61	-0.27	31	30	-3	NW	3	0	*	0	42	30	*	0.59
SPAN. PEN.	Frankfurt ...	29.88	40	SW	6	0	29.78	-0.40	43	42	+7	W	3	0	*	0	43	36	*	0.28
	Munich ...	30.00	35	W	6	0	29.84	-0.39	35	34	+5	W	7	0	*	0	37	30	*	0.04
	C. Gris Nez ...	30.05	45	WSW	5	0	30.02	-0.15	45	43	+1	W	4	0	4	0	46	43	*	-
	Brest ...	30.28	46	N	1	0	30.22	-0.15	45	41	+5	NNW	2	0	2	0	52	40	*	-
	Lorient ...	30.28	45	E	1	0	30.22	-0.13	45	43	+5	NW	3	0	2	0	54	39	*	-
	Rochefort ...	30.27	46	NNW	2	0	30.22	-0.17	40	40	+3	Z	0	0	1	0	48	37	*	-
	Biarritz ...	30.31	44	Z	0	0	30.27	-0.07	41	39	+4	S	1	0	1	0	45	37	*	-
	Paris ...	30.18	44	W	2	0	30.10	-0.24	43	42	+11	W	2	0	*	0	47	32	*	-
	Belfort ...	30.00	35	WSW	4	0	30.05	-0.26	34	34	+7	W	7	0	*	0	41	27	*	0.04
	Lyons ...	30.27	37	NNE	1	0	30.21	-0.14	37	35	+7	NNW	1	0	*	0	44	30	*	-
SPAN. PEN.	Nice ...	30.00	46	E	1	0	29.87	-0.22	41	38	-3	E	1	0	1	0	59	39	*	-
	Perpignan ...	30.05	50	NW	4	0	30.08	-0.11	50	39	+7	NW	3	0	*	0	?	43	*	-
	Corunna ...	30.19	57	NE	1	0	30.16	-0.04	44	41	-5	E	1	0	2	0	57	37	*	-
SPAN. PEN.	Lisbon ...	30.20	55	N	3	0	30.22	+0.01	46	44	+2	NNE	4	0	*	0	61	44	*	-
	Azores (P. Delgada)	29.79	60	SSW	6	0	29.77	+0.10	61	58	+3	SW	6	0	5	0	63	58	*	-
	" (Horta) ...	29.60	55	SW	5	0	29.58	+0.03	59	55	+2	SW	4	0	3	0	61	54	*	0.55

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

* Observations for this column not generally received.

+ Observations received too late for insertion in Charts on next page.

WEATHER CHARTS

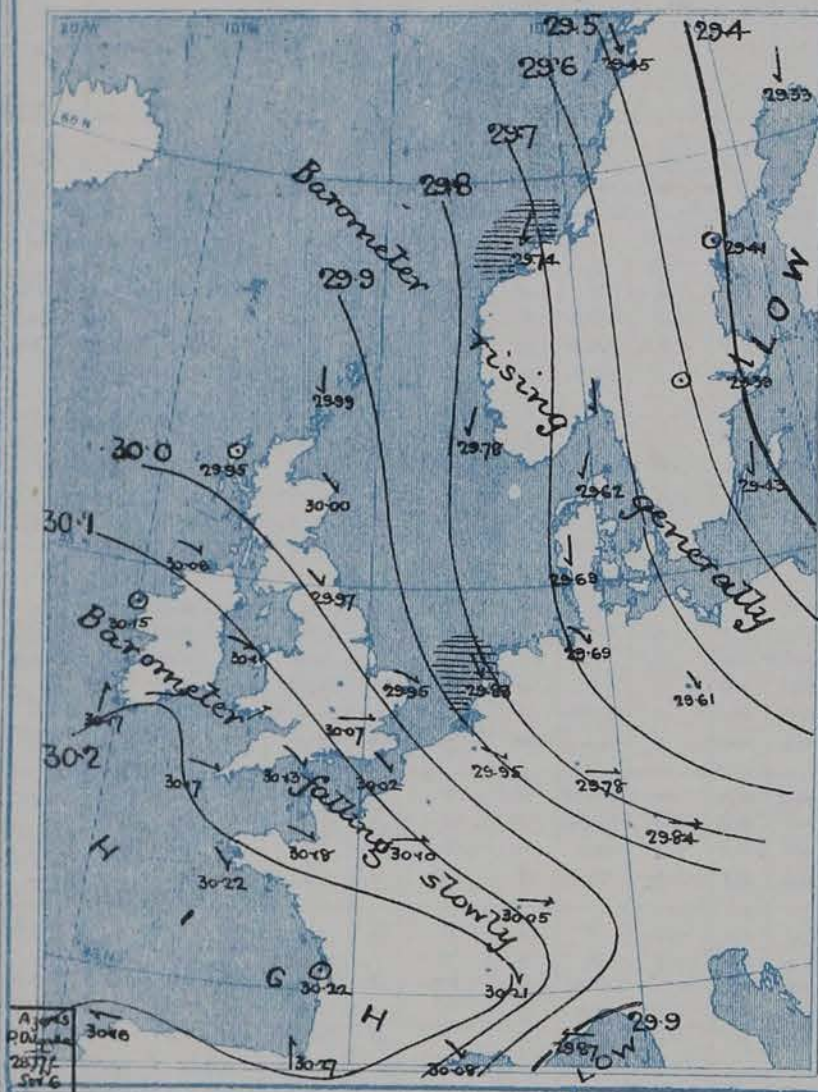
FOR *Sunday, 15th February, 1903.*

I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → Force 5 to 7 → Force 8 to 10 → Force 1 to 4 → } Calm ☉
SEA—Rough High

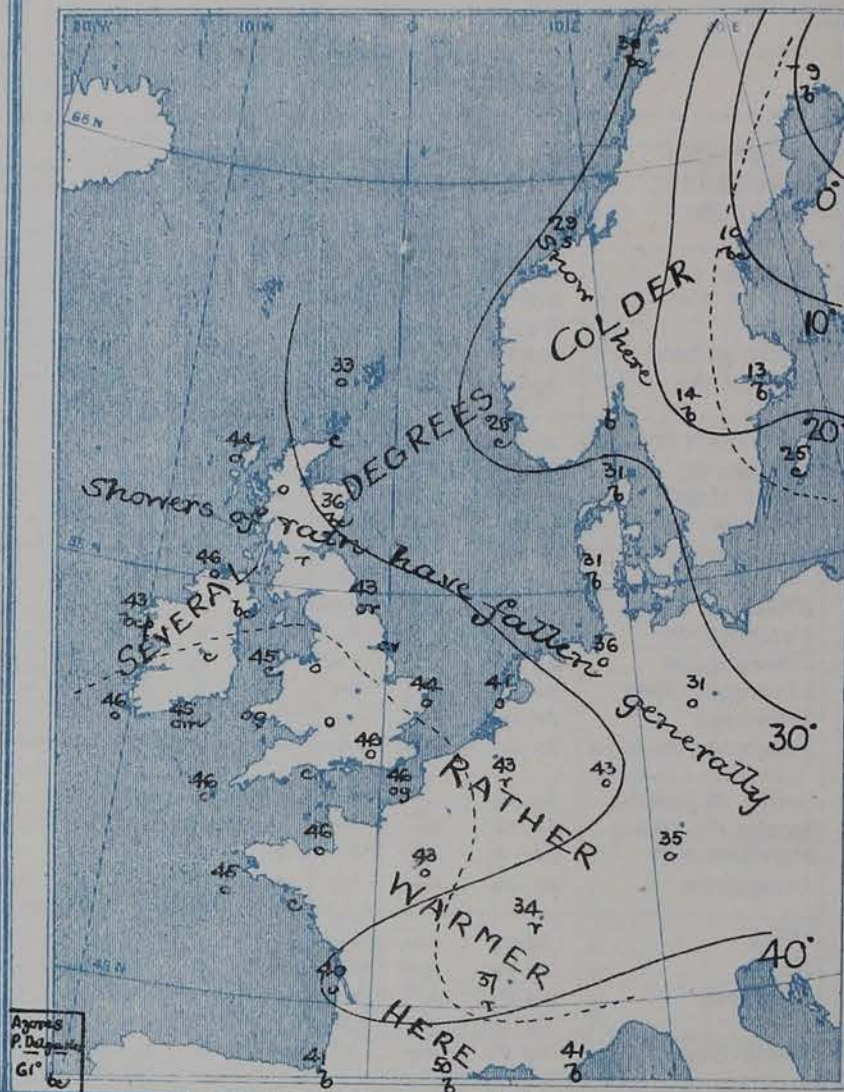


II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

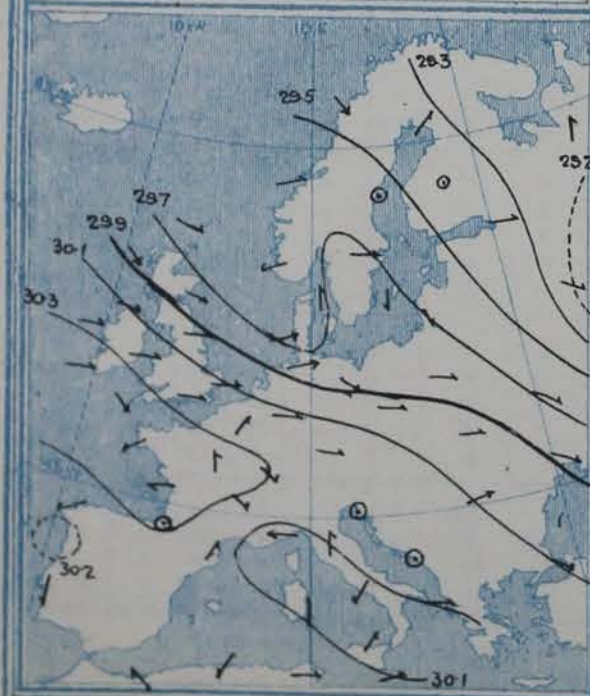
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0.6



III BAROMETER AND WIND

Yesterday morning.



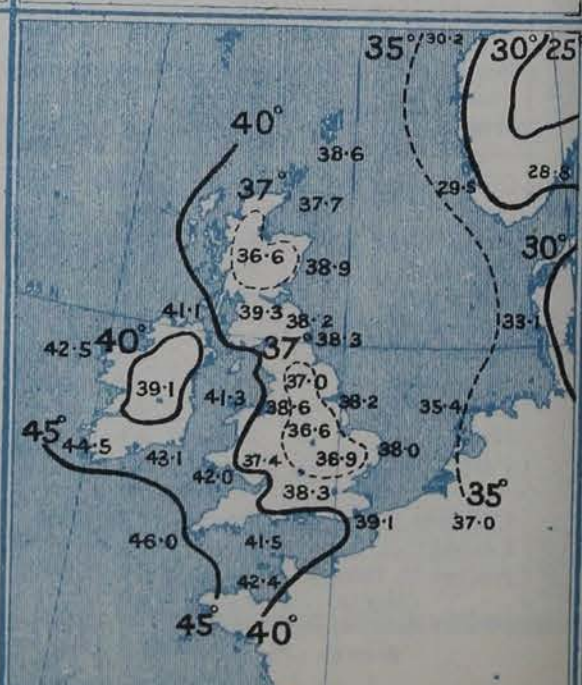
IV Averages of DAILY MAXIMUM and MINIMUM TEMPERATURES

combined for the month of FEBRUARY (1871-1900)



V. Means of DAILY TEMPERATURE

at 8 A.M. for the monthly period FEBRUARY (1871-1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

Since yesterday morning the anticyclone which then lay over our western districts has given way slowly and moved southwards, while a cyclonic disturbance has appeared in the north and travelled south-eastwards over the northern portion of the North Sea. The barometer now ranges from 30.34 in. at Valencia Island and Binnity, and 30.35 in. at Lyons to 29.54 in. at Lumburgh Head and 29.63 in. at Faro, and to 29.38 in. at Haparanda. The mercury is still falling generally - most on the eastern shores of the North Sea. Gradients are rather steep over our northern and eastern districts.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind has veered to the N.W.^{ly} or W.^{ly} over the United Kingdom and increased considerably in force over our northern and eastern districts, over Holland and the south of Denmark it is strong from W.S.W., in the Skager Rack light from S., and at Skudeensaa moderate from E.N.E. At Bodo there is a strong N.W.^{ly} breeze, and in the south of France light variable or E.^{ly} air. Temperature has risen again over our Islands, and is above the normal in all the northern and western districts. The readings range from 49° at Aberdeen and Leith, and 48° at Blackhead Point to 42° at Yarmouth, 46° at Oxford and Dungeness, and to 39° in London. In most Continental regions temperature has fallen and varies from 44° at Nice to 32° at Paris, 15° at Stockholm, and to -1° at Haparanda. The weather is fine and bright over Sweden, in the east and south of France and at Munich, but in nearly all other localities it is overcast or very cloudy; snow is falling at Christianund and Skagen, rain at Faro, Guahaven, and Brussels, and drizzling showers at Malin Head. The sea is rough off the north of Scotland, rather so at Christianund, the Helder and Liverpool, moderate to smooth elsewhere. The maximum temperatures recorded yesterday were above 50° at some eastern southern and western stations, but over the Kingdom as a whole the readings were lower than of late. Rain was experienced on our north-western and northern coasts in Denmark and North Germany, and heavy snow in the Shetlands. Much bright sunshine was recorded on our south-west and south coasts, none in the extreme north.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The disturbance noted above is moving south-eastwards and appears to be increasing in depth. N.W.^{ly} and W.^{ly} winds are likely to continue for a time over our Islands and to blow freshly or strongly in the north and east. The increase of temperature in the north and west will probably be only temporary.

FORECASTS *

For the 24 hours ending at NOON on 15th February, 1903

DISTRICTS.

FORECASTS.

0 ∇ SCOTLAND
NORTH

1 ∇ SCOTLAND
EAST

2 ∇ ENGLAND
N.E.

3 { ENGLAND
EAST

4 { MIDLAND
COUNTIES

5 { ENGLAND
SOUTH

N.W.^{ly} winds, strong in places, some rain, sleet or snow. Temperature falling again later.

W.^{ly} or N.W.^{ly} breezes, strong on east coast; changeable, some rain very probable.

DISTRICTS.

FORECASTS.

6 ∇ SCOTLAND
WEST

7 ∇ ENGLAND
N.W.

8 { ENGLAND
S.W.

9 ∇ IRELAND
NORTH

10 { IRELAND
SOUTH

Same as Nos. 0 and 1.

W.^{ly} and N.W.^{ly} winds, strong in places, some rain or hail.

W.^{ly} or N.W.^{ly} winds, light or moderate, fair as a whole.

Same as No. 7.

Same as No. 8.

WARNINGS

At 7.30 p.m. yesterday to districts 0 to 2, 6, 7 and 9, 'Hoist North Cone'.

Note.—The South Cone, point downwards (∇), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
The North Cone, point upwards (∇), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

* For terms for transmission of Forecasts by Telegraph, see next page.

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.										THIS MORNING 8 A.M.				PAST 24 HOURS.					
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.			
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.					
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	0	*	bc, b	47	35	5.8	—			
Newton Reigny (Penrith)	30.24	41	SW 2	0	30.00	-.39	44	43	+12	SW 5	0	*	og	45	32	0.0	0.01			
Bath	30.45	43	W 1	0	30.24	-.28	43	42	+12	NW 1	0	*	—	50	31	5.4	—			

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m. ...	47	37	0, c, 0	3.7	—	Eastbourne	*	*	*	5.2	*
Rhyl	*	*	*	3.3	*	Hastings	*	*	*	3.6	*
Llandudno	*	*	*	3.6	*	Lowestoft, to 6 p.m. ...	44	34	δc, 0, c	3.0	—
Aberystwyth, to 6 p.m. ...	46	35	δc	6.5	—	Harrogate, to 6 p.m. ...	47	32	c, δc	4.3	—
Plymouth, to 9 p.m. ...	52	39	δ, δc	6.5	—	Manchester, to 9 p.m. ...	45	33	m, δc, 0, δ	0.0	0.01
Worthing	*	*	*	6.4	*	Darwen, to 9 p.m. ...	42	33	0, c, δ, 0, δ	0.1	0.03
Brighton	*	*	*	6.0	*	Birmingham, to 9 p.m. ...	46	37	0, c, δ	0.5	—

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 13. II. 1903.	TEMPERATURE, F.		WEATHER.	RAIN. Ins.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN. Ins.
	Max. °	Min. °				Max. °	Min. °		
Utrecht	47	36	c, o	0.04	Tunis	61	43	bc, bc	—
Madrid	54	30	c, b	—	Algiers	68	52	b, bc	—
Vienna	54	36	c, c	0.04	Madeira (Funchal)	72	57	b, o	—
St. Petersburg	36	27	o, o	0.16					
Trieste	43	39	+f	0.08					
Florence	56	48	o, o	—	12. II. 1903.	1 p.m.		1 p.m.	Measured 7 a.m.
Rome	54	40	b, o	—					
Corsica (I. Sanguinaires)	61	48	m, m	—	Lugano	39	—	b	—
Naples	53	47	o, o	—	Davos	37	—	b	—
Palermo	61	47	b, o	—	Lucerne	36	—	b	0.04
Malta	60	52	o	—	Lausanne	39	—	f	—

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.	14th II., 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
British Isles, Belgium† ...	8 a.m.(West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.‡	Yarmouth	7.14	12.7	5.0
Holland	8 a.m.(„ „)	8 a.m.	7 p.m. (W.E.T.)	7 p.m.				
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.				
France	7 a.m. (Paris) ...	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.				
Spain	8 a.m.(West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.	Wick	7.50	12.26	5.2
Portugal	8 a.m. (Lisbon) ...	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.	Valencia	8.0	12.55	5.50
Azores { Point Delgada ...	6 a.m. (Local) ...	7.43 a.m.	9 p.m. (Local)	10.43 p.m.				
{ Horta	6 a.m. (Local) ...	7.55 a.m.	9 p.m. (Local)	10.55 p.m.				

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† The evening observations in Belgium are not given on page 1.

1 At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on *Monday, 16th February, 1903.*

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)						THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		BAROM.		TEMP.		WIND.		BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9.)	Weather.	Temp.		Sun- shine. Hours.	Rainfall. Ins.	
		At 82° and M.S.L.	Ins.	Dry Bulb.	°	Direc.	Force (0 to 12.)	At 82° Fahr. and M. S. L.	Ins.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.				Force (0 to 12.)	Max.			Min.
SCANDINAVIA.	Haparanda ...	29.53	12	N	4	0	29.82	+4.49	16	15	+25	N	4	C	*	—	16	-20	*	—		
	Hernösand ...	29.75	12	Z	0	0	30.04	+6.3	13	11	+3	N	2	0	*	—	9	?	*	—		
	Stockholm ...	29.74	19	W	2	0	29.93	+5.4	14	12	+1	NNW	4	0	*	—	23	12	*	—		
	Wisby ...	29.55	26	N	8	9	29.86	+4.3	22	20	-3	N	6	0	*	—	30	19	*	0.04		
	Karlstad ...	29.74	27	NNW	4	0	30.17	+6.4	16	13	+2	NNW	2	0	*	—	*	*	*	—		
	Færder (X'iania Fjord)	29.85	31	NW	4	0	30.20	+5.7	27	24	0	E	2	0	1	—	32	27	*	—		
	Bodö ...	29.89	19	ENE	2	0	30.04	+5.9	19	17	-11	ENE	3	0	1	—	34	14	*	—		
	Christiansund ...	29.97	31	NNW	6	5	30.25	+5.1	31	30	+2	Z	0	4	—	31	27	*	0.04			
	Skudesnaes ...	30.05	31	N	4	C	30.26	+4.8	26	26	-2	NNE	2	0	1	—	34	26	*	—		
	Sumburgh Head ...	30.11	33	N	2	C	30.30	+3.1	34	33	+1	NNE	1	0	4	0, C	35	32	*	—		
BRITISH ISLANDS.	Stornoway ...	30.09	41	ESE	1	0	30.18	+2.3	43	43	-1	ESE	2	0	2	0	46	37	0.0	0.16		
	Malin Head ...	30.10	45	W	4	C	30.23	+1.7	44	43	-2	SSW	2	0	2	0, C	48	43	*	—		
	Blacksod Pt. ...	30.14	47	S	1	C	30.18	+0.3	45	43	+2	SE	4	C	3	C	47	41	*	0.03		
	Valencia ...	30.13	47	SE	3	0	30.16	-0.1	49	46	+3	SE	5	0	5	0, m, og	49	46	0.0	—		
	Roche's Point ...	30.19	46	S	2	0	30.24	+0.4	47	45	+2	SSE	4	C	3	0	47	44	*	0.01		
	Parsonstown ...	30.16	46	WSW	1	0	30.24	+0.7	43	41	+2	SE	2	0	*	0, og	48	40	1.0	—		
	Donaghadee ...	30.12	48	NW	1	C	30.27	+2.1	43	43	-2	SSE	2	C	2	—	50	41	*	—		
	Liverpool Obsy. ...	30.12	45	W	3	0	30.32	+2.6	40	39	-4	ESE	3	0	2	0, p	46	40	*	0.14		
	Holyhead ...	30.13	46	NW	1	0, m	?	?	45	45	0	Z	0	0	0	0, m	48	44	*	0.01		
	Pembroke (St. Ann's)	30.18	46	NW	3	0	30.28	+1.3	45	44	-1	Z	0	0	1	—	48	43	0.0	—		
GERMANY, &c.	Scilly (St. Mary's)...	30.18	46	NW	1	0	30.24	+0.7	47	45	+1	SE	3	C	2	0	49	43	0.0	—		
	Jersey (St. Aubins)...	30.18	47	NW	3	C, g	30.32	+1.4	46	44	0	WNW	3	C	3	0, C, g	49	45	0.0	—		
	Portland Bill ...	30.15	47	NW	2	0	30.30	+1.7	45	43	-1	Z	0	0	0	C	48	43	*	—		
	Dungeness ...	30.09	46	N	2	m	30.33	+3.1	42	40	-4	ESE	1	0	1	0, m	48	41	*	0.02		
	Wick ...	30.13	37	E	2	0	30.28	+3.2	38	36	+4	S	2	0	2	—	39	33	*	0.02		
	Nairn ...	30.13	35	Z	0	0	30.28	+2.9	34	33	-6	Z	0	0	1	—	41	27	*	—		
	Aberdeen ...	30.15	38	ENE	1	C	30.34	+3.4	35	34	-1	WNW	2	0	2	C	41	33	0.1	—		
	Leith ...	30.10	42	E	2	0	30.33	+3.4	40	39	-4	E	1	0	*	—	44	37	*	0.01		
	North Shields ...	30.07	42	NNE	1	0	30.34	+3.7	39	38	-4	SSE	1	0	3	P, 0	44	38	*	0.02		
	Spurn Head ...	30.10	42	N	4	0	30.35	+3.9	39	37	-4	N	3	C	3	—	45	36	*	0.01		
FRANCE.	Yarmouth ...	30.04	43	NNW	3	C	30.30	+3.6	36	35	-8	WNW	2	0	2	C	45	32	*	0.01		
	Loughborough ...	30.14	47	WNW	1	0	30.34	+2.7	40	39	-4	SE	1	0	*	0	49	39	*	0.01		
	Oxford ...	30.14	47	WNW	1	0	30.34	+2.7	40	38	-6	E	1	0	*	0, og, p, 0	48	40	0.0	0.01		
	London (Brixton)...	30.10	47	NW	2	0, g, m	30.34	+2.7	40	38	-6	E	1	0	*	—	—	—	—	—		
	The Scaw (Skagen)	29.85	33	N	4	0	30.08	+4.6	32	31	+1	NE	4	0	1	—	34	30	*	—		
	Fanö ...	30.01	31	WNW	2	0	30.16	+4.7	27	26	-4	WNW	2	0	*	—	36	27	*	—		
	Cuxhaven ...	29.95	34	NNW	4	0	30.15	+4.6	33	31	-3	N	3	0	*	—	37	33	*	—		
	The Helder ...	30.04	38	NNE	2	0	30.26	+4.3	37	36	-4	N	2	C	2	—	43	36	*	0.04		
	Brussels ...	*	*	*	*	*	30.32	+3.7	34	32	-9	N	1	0	*	—	45	34	*	0.04		
	Berlin ...	29.88	28	N	3	0	30.06	+4.5	27	26	-4	W	2	0	*	—	41	25	*	0.08		
SPAN. PEN.	Frankfurt ...	30.01	37	NW	2	0	30.18	+4.0	32	30	-11	NW	2	0	*	—	48	32	*	0.04		
	Munich ...	29.92	35	W	5	0	30.12	+2.8	29	27	-6	NW	4	S	*	—	39	28	*	0.16		
	C. Gris Nez ...	30.06	43	WNW	3	m	30.28	+2.6	36	35	-9	E	2	0	2	—	45	34	*	—		
	Brest ...	30.12	46	NW	2	0	30.29	+0.7	45	43	0	NE	1	0	2	—	54	43	*	—		
	Lorient ...	30.21	45	WNW	2	0	30.31	+0.9	45	44	0	WSW	2	C	1	—	54	43	*	—		
	Rochefort ...	30.28	46	NNW	3	0	30.35	+1.3	46	43	+6	NNW	3	0	*	—	46	37	*	—		
	Biarritz ...	30.25	47	NNE	2	0	30.34	+0.7	39	39	-2	E	2	0	0	—	52	36	*	—		
	Paris ...	30.12	45	NW	2	0	30.26	+1.6	40	40	-3	NE	2	0	*	—	47	39	*	0.04		
	Belfort ...	30.04	38	WSW	3	+	30.17	+1.2	31	30	-3	ENE	3	C	*	—	39	31	*	0.47		
	Lyons ...	30.19	41	NNW	1	0	30.22	+0.1	38	38	+1	NNW	2	+	*	—	43	38	*	—		
Nice ...	29.81	46	SW	2	0	29.86	-0.1	40	39	-1	E	2	0	2	—	55	39	*	—			
Perpignan ...	30.06	52	NW	4	0	30.13	+0.5	43	38	-7	NW	5	0	*	—	62	41	*	—			
SPAN. PEN.	Corunna ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Lisbon ...	30.25	57	? W	3	0	30.32	+1.0	53	52	+7	N	3	0	*	—	61	46	*	—		
SPAN. PEN.	Azores (P. Delgada)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	„ (Horta) ...	29.65	62	SSW	7	+	29.62	+0.4	62	60	+3	SSW	6	0	5	—	63	59	*	0.39		

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.

WEATHER CHARTS

FOR MONDAY 16TH FEBRUARY, 1903.

I. BAROMETER, WIND AND SEA. This Morning.

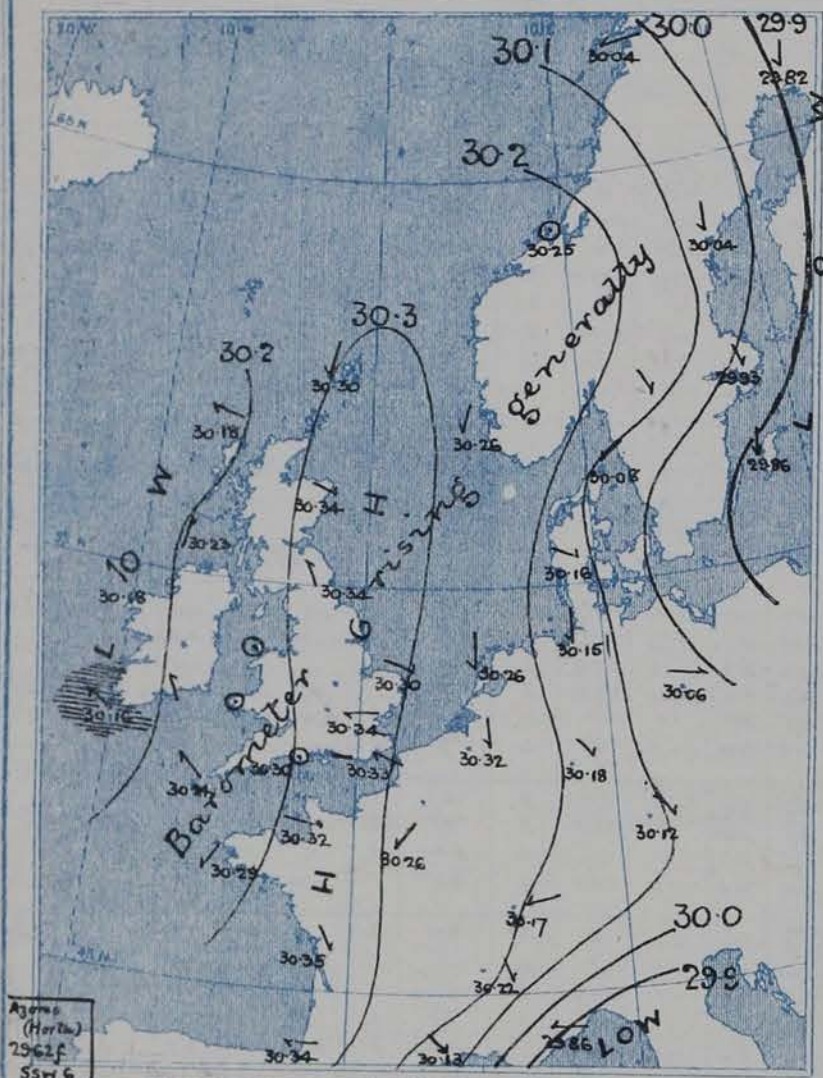
BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → Force 5 to 7 → Force 8 to 10 → Force 1 to 4 → Calm ☉

SEA.—Rough

High

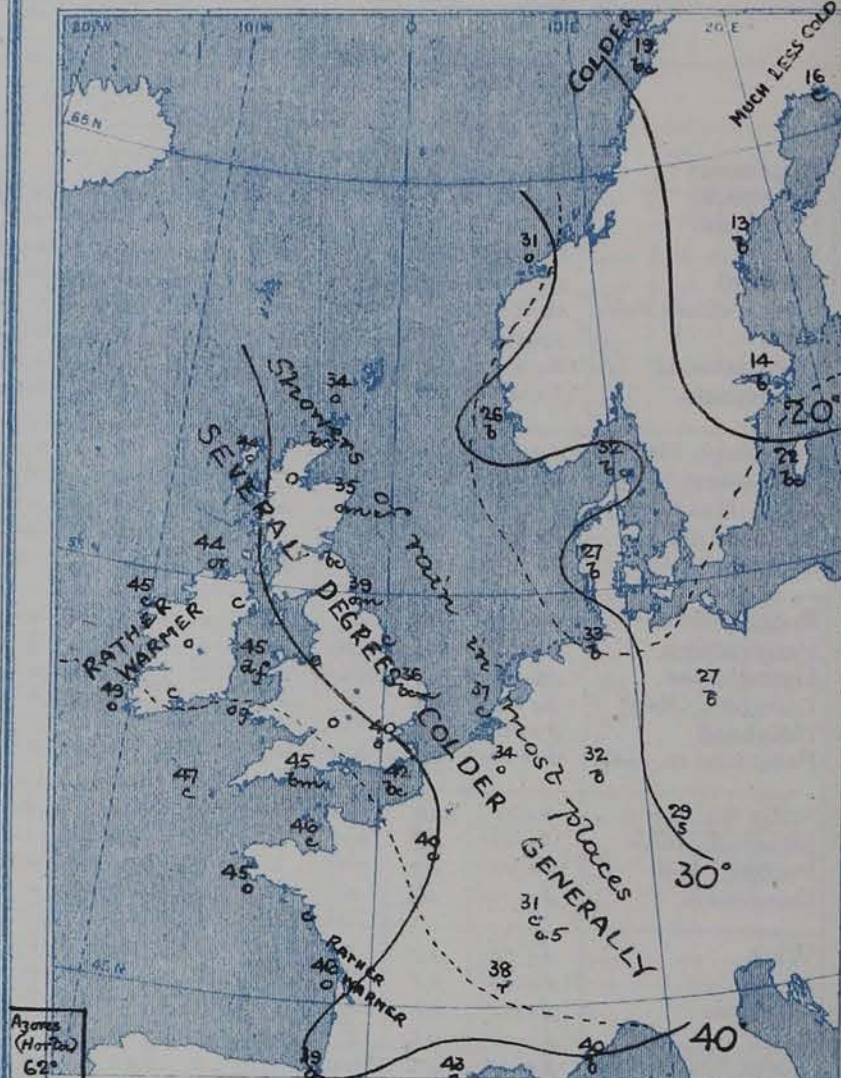


II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus — 0.6



III. BAROMETER AND WIND

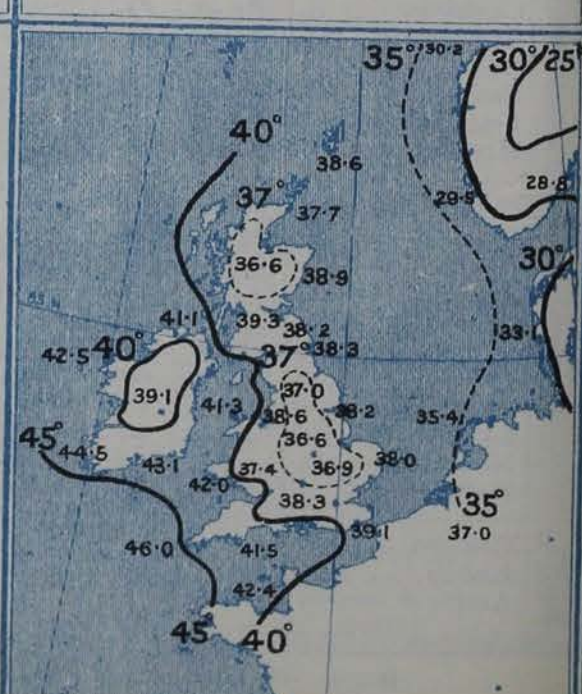
Yesterday morning.



IV. Averages of DAILY MAXIMUM and MINIMUM TEMPERATURES combined for the month of FEBRUARY (1871-1900)



V. Means of DAILY TEMPERATURE at 8 A.M. for the monthly period FEBRUARY (1871-1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The barometer is now highest, 30.2 ins and upwards, in an anticyclone extending from the Atlantic over Portugal, the Bay of Biscay, and the western and central parts of France, and lowest, 29.4 ins and less, over the north of Sweden, the Gulf of Bothnia, and the northern parts of the Baltic. The barometer is falling a little in the west and south of our Islands, and also over France and South Germany, but is rising in nearly all other parts of our area.

WIND

The wind is W or NW over the greater part of Ireland, England, the Netherlands Germany and northern and central France, light or moderate in force in most places but strong at Belfort and Munich. In Scandinavia and Denmark it is N and in the west of Norway it blows strongly.

TEMPERATURE

Temperature has fallen several degrees in Scotland and to a less extent in Ireland, and also in Scandinavia, Denmark and north Germany, but has risen in all the more southern parts of our area. In the south of our Islands the thermometer is a trifle above 45° and is still considerably above the average; in the northeast of Scotland, however, the readings are below 35°, and are a trifle below the normal.

WEATHER

Slight frost prevails in Norway, Denmark and north Germany, and severe frost in Sweden, the lowest readings reported, being -9° Fahr. at Haparanda, and +10° at Hernösand. The weather is cloudy or dull over western Europe generally, with rain on the northeast coasts of Great Britain and also at Brussels, Belfort and Lyons. Over Scandinavia and Denmark the weather is mostly fine, but snow is falling at Christiansund. The sea is slight or smooth generally, but rather rough at Christiansund.

AND

SEA

During yesterday the thermometer rose to 50° or slightly above it in many parts of Great Britain, the highest reading reported being 53° at Aberdeen and Leith. Slight rain fell at many of our own western, northern and central stations, and larger quantities in Denmark, Germany and the south of Sweden. The duration of bright sunshine was generally small (in many places there was none) but amounted to as much as 4.3 hours at Aberdeen.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS *

For the 24 hours ending at NOON on 16TH FEBRUARY

1903

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

0 { SCOTLAND
NORTH

1 { SCOTLAND
EAST

2 { ENGLAND
N.E.

3 { ENGLAND
EAST

4 { MIDLAND
COUNTIES

5 { ENGLAND
SOUTH

NONE ISSUED.

6 { SCOTLAND
WEST

7 { ENGLAND
N.W.

8 { ENGLAND
S.W.


9 { IRELAND
NORTH


10 { IRELAND
SOUTH

WARNINGS

NONE ISSUED.

{ The warning signals have all been lowered this morning.

Note.—The South Cone, point downwards (), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.

The North Cone, point upwards (), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

* For terms for transmission of Forecasts by Telegraph, see next page.

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.																	
TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.					THIS MORNING 8 A.M.					PAST 24 HOURS.						
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.		
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	0	*	0, c	49	40	0.2	0.0
Newton Reigny (Penrith)																	
Bath	30.12	45	W 1	0	30.10	- .14	45	43	+ 2	W 1	0	*	-	50	43	0.0	-

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m....	47	44	0, 0	0.0	0.01	Eastbourne	*	*	*		*
Rhyl	*	*	*	0.0	*	Hastings	*	*	*	0.6	*
Llandudno	*	*	*	0.0	*	Lowestoft, to 6 p.m. ...					
Aberystwyth, to 6 p.m. ...	47	42	0	0.0	-	Harrogate, to 6 p.m. ...	47	41	c, b, c	0.0	-
Plymouth, to 9 p.m....	47	34	c, 0	0.0	-	Manchester, to 9 p.m. ...	47	42	cud	0.0	0.04
Worthing	*	*	*	1.1	*	Darwen, to 9 p.m. ...	43	39	omt, omu	0.0	0.08
Brighton	*	*	*	*	*	Birmingham, to 9 p.m. ...	47	40	c, 0	0.0	-

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. ...14...II. 1903.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max. °	Min. °				Max. °	Min. °		
Utrecht... ..	41	36	0, 0	Ins. 0.04	Tunis	59	43	b, c	Ins. -
Madrid <i>Not recd.</i>					Algiers	68	50	b, b	-
Vienna	54	32	c, b	?	Madeira (Funchal) <i>Not recd.</i>				
St. Petersburg	27	- 4	b, b	-					
Trieste	48	39	c, m	-					
Florence	57	33	b, b	-					
Rome	56	49	0, 0	-					
Corsica (I. Sanguinaires) ...	57	43	f, m	-					
Naples	54	48	0, bc	0.08					
Pajermo	60	44	b, 0	-					
Malta	59	53	?, c	-					

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.	15 FEB. 1903.			
					Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.	
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.† (W.E.T.)	6 p.m.†				
Holland	8 a.m. (" ")	8 a.m.	7 p.m. (W.E.T.)	7 p.m.	Yarmouth	7.12	12.7	5.2
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Greenwich	7.16	12.14	5.12
France	7 a.m. (Paris) ...	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick	7.48	12.26	5.4
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.	Valencia	7.58	12.55	5.52
Portugal	8 a.m. (Lisbon) ...	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.				
Azores { Point Delgada ...	6 a.m. (Local) ...	7.43 a.m.	9 p.m. (Local)	10.43 p.m.				
Horta ...	6 a.m. (Local) ...	7.55 a.m.	9 p.m. (Local)	10.55 p.m.				

SUBSCRIPTIONS both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 " " Single Copies, 6d.

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† The evening observations in Belgium are not given on page 1

! At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on *Tuesday, 17th February*

1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		BAROM.	TEMP.		WIND.		Weather	BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9.)	Weather.	Temp.		Sun- shine. Hours.	Rainfall. Ins.
			At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fabr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)				Max.	Min.		
SCANDINAVIA.	Haparanda ...	29.82	17	S	4	S	29.55	-27	10	19	-6	N	4	B	*	-	18	10	*	1.18	
	Hernösand ...	29.95	25	Z	0	0	29.73	-31	32	31	+19	NW	2	B	*	-	32	10	*	-	
	Stockholm ...	30.24	18	Z	0	0	29.93	00	27	24	+13	W	6	0	*	-	27	10	*	-	
	Wisby ...	30.23	25	N	6	0	30.04	+18	30	29	+8	W	6	0	*	-	30	16	*	-	
	Karlstad ...	30.32	20	Z	0	0	30.12	-05	26	23	+10	Z	0	0	*	-	*	*	*	-	
	Færder (X'ania Fjord) ...	30.36	33	SW	4	0	30.15	-05	34	31	+7	WSW	4	0	2	-	34	27	*	-	
	Bodö ...	29.67	32	N	7	0	29.75	-27	31	29	+12	N	4	C	2	-	32	19	*	-	
	Christiansund ...	30.28	33	WSW	3	S	30.03	-22	37	36	+6	W	8	7	5	-	37	30	*	0.08	
	Skudesnaes ...	30.50	25	Z	0	0	30.37	+11	33	32	+7	E	4	0	2	0	33	25	*	*	
	Sumburgh Head ...	30.33	38	SSW	3	0	30.20	-10	43	42	+9	WSW	2	7	4	0	43	32	*	0.02	
Stornoway ...	30.28	45	SSW	3	0	30.18	00	46	43	+3	SSE	6	0	6	0	47	41	0.0	-		
Malin Head ...	30.29	45	SSE	4	0	30.25	+02	47	46	+3	S	6	C	4	C	48	43	*	0.02		
Blacksod Pt. ...	30.22	49	SE	4	0	30.24	+06	53	51	+8	S	6	0	5	C	53	43	*	0.01		
Valencia ...	30.26	51	SE	4	0	30.31	+15	50	49	+1	SSE	5	7	4	0	52	48	0.0	0.11		
BRITISH ISLANDS.	Roche's Point ...	30.34	48	SSE	5	0	30.40	+16	48	47	+1	S	6	0	5	0	49	47	*	0.01	
	Parsonstown ...	30.33	45	ESE	3	0	30.37	+13	48	46	+5	SE	2	0	3	0	51	42	2.9	-	
	Donaghadee ...	30.38	45	S	3	0	30.40	+13	46	45	+3	SW	3	0	3	0	46	42	*	0.03	
	Liverpool Obsy. ...	30.47	42	ESE	3	0	30.52	+20	41	41	+1	SSE	3	C	2	0	43	40	*	0.01	
	Holyhead ...	30.42	46	S	1	0	30.48	00	45	43	0	S	4	0	3	0	49	43	*	0.02	
	Pembroke (St. Ann's) ...	30.41	46	SSE	3	0	30.49	+21	45	44	0	SSE	6	0	4	0	49	44	0.9	-	
	Scilly (St. Mary's) ...	30.35	49	SSE	4	0	30.47	+23	49	47	+2	SSE	4	0	3	0	51	45	0.3	-	
	Jersey (St. Aubins) ...	30.45	49	WNW	3	0	30.64	+32	40	36	-6	ESE	4	0	3	0	53	39	7.2	0.03	
	Portland Bill ...	30.45	44	SE	3	0	30.61	+31	40	36	-5	SSE	3	0	3	0	49	39	*	0.01	
	Dungeness ...	30.51	41	ESE	3	0	30.67	+34	40	38	-2	SSW	3	0	1	0	47	38	*	-	
Wick ...	30.32	40	S	3	0	30.23	-05	43	40	+5	S	3	C	2	-	43	35	*	-		
Nairn ...	30.36	42	Z	0	0	30.27	-01	41	39	+7	WSW	1	C	1	-	45	33	*	-		
Aberdeen ...	30.43	39	SSW	3	0	30.34	00	40	39	+5	SW	4	0	2	C	43	34	1.4	-		
Leith ...	30.42	43	SE	1	0	30.39	+06	46	44	+6	WSW	3	0	*	-	48	38	*	-		
North Shields ...	30.43	42	SSE	3	0	30.46	+12	40	39	+1	SSW	3	C	2	C	43	35	*	-		
Spurn Head ...	30.52	41	ESE	2	0	30.58	+23	37	35	-2	S	3	0	3	-	43	35	*	-		
Yarmouth ...	30.49	40	NE	2	0	30.60	+30	34	33	-2	SW	2	0	3	0	42	28	*	-		
Loughborough ...	30.58	42	ESE	2	0	30.64	+30	37	35	-3	SE	1	0	*	0	43	37	*	-		
Oxford ...	30.52	42	ESE	2	0	30.64	+30	33	31	-7	S	1	C	*	0	46	30	0.1	-		
GERMANY, &c.	The Scaw (Skagen) ...	30.43	29	W	1	0	30.23	+15	37	36	+5	NW	7	C	2	-	37	27	*	-	
	Fanö ...	30.56	30	Z	0	0	30.50	+25	36	32	+9	W	4	0	*	-	39	27	*	-	
	Cuxhaven ...	30.48	34	NE	2	0	30.59	+44	31	30	-2	W	2	0	*	-	36	28	*	-	
	The Helder ...	30.52	37	NE	1	0	30.63	+37	36	36	-1	SW	1	C	1	-	41	28	*	-	
	Brussels ...	*	*	*	*	*	30.71	+39	30	28	-4	SSE	1	0	*	-	41	26	*	-	
	Berlin ...	30.46	24	NW	4	0	30.62	+56	22	21	-5	W	2	0	*	-	32	19	*	-	
	Frankfurt ...	30.52	30	N	2	0	30.71	+53	26	26	-6	E	2	0	*	-	39	25	*	-	
	Munich ...	30.41	25	W	3	0	30.67	+55	21	21	-8	Z	0	S	*	-	32	19	*	0.04	
	C. Gris Nez ...	30.48	39	ESE	3	0	30.63	+35	32	32	-4	SSE	2	0	2	-	46	32	*	-	
	Brest ...	30.43	48	SE	1	0	30.50	+21	44	43	-1	E	4	0	4	-	48	43	*	-	
Lorient ...	30.47	46	SE	1	0	30.54	+23	41	39	-4	ESE	3	C	1	-	52	37	*	-		
Rochefort ...	30.39	49	NW	3	0	30.50	+15	34	33	-12	E	4	0	0	-	50	32	*	-		
Biarritz ...	30.43	49	Z	0	0	30.47	+13	41	40	+2	E	2	0	0	-	52	39	*	-		
FRANCE.	Paris ...	30.50	39	ESE	2	0	30.68	+42	27	27	-13	ESE	2	0	*	-	46	27	*	-	
	Belfort ...	30.42	31	ESE	5	0	30.66	+49	24	23	-7	ESE	4	0	*	-	39	23	*	-	
	Lyons ...	30.38	37	NW	1	0	30.59	+37	27	26	-11	NW	2	0	*	-	43	26	*	-	
	Nice ...	29.96	49	Z	0	0	30.10	+54	36	28	-4	ESE	4	0	*	-	57	36	*	-	
	Perpignan ...	30.28	48	NW	5	0	30.44	+31	43	39	0	NE	2	0	*	-	53	42	*	-	
SPAN. PEN.	Corunna ...	30.28	54	NNW	5	0	30.21	-11	50	47	-3	NE	4	0	*	-	61	49	*	-	
	Lisbon ...	29.56	54	WSW	4	0	29.54	-08	52	49	+10	NW	1	0	3	-	63	50	*	0.16	

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.

WEATHER CHARTS

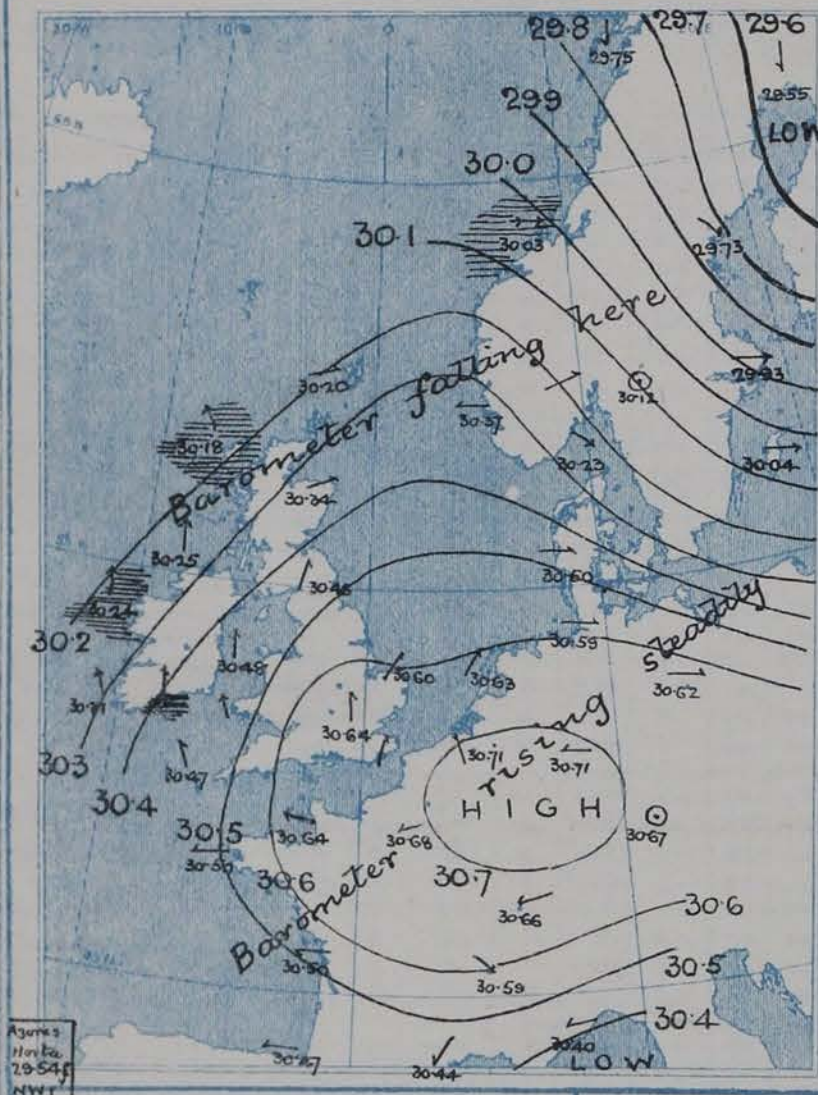
FOR TUESDAY, 17TH FEBRUARY, 1903.

I. BAROMETER, WIND AND SEA. This Morning.

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → Force 5 to 7 → } Calm ☉
Force 8 to 10 → Force 1 to 4 →
SEA.—Rough High

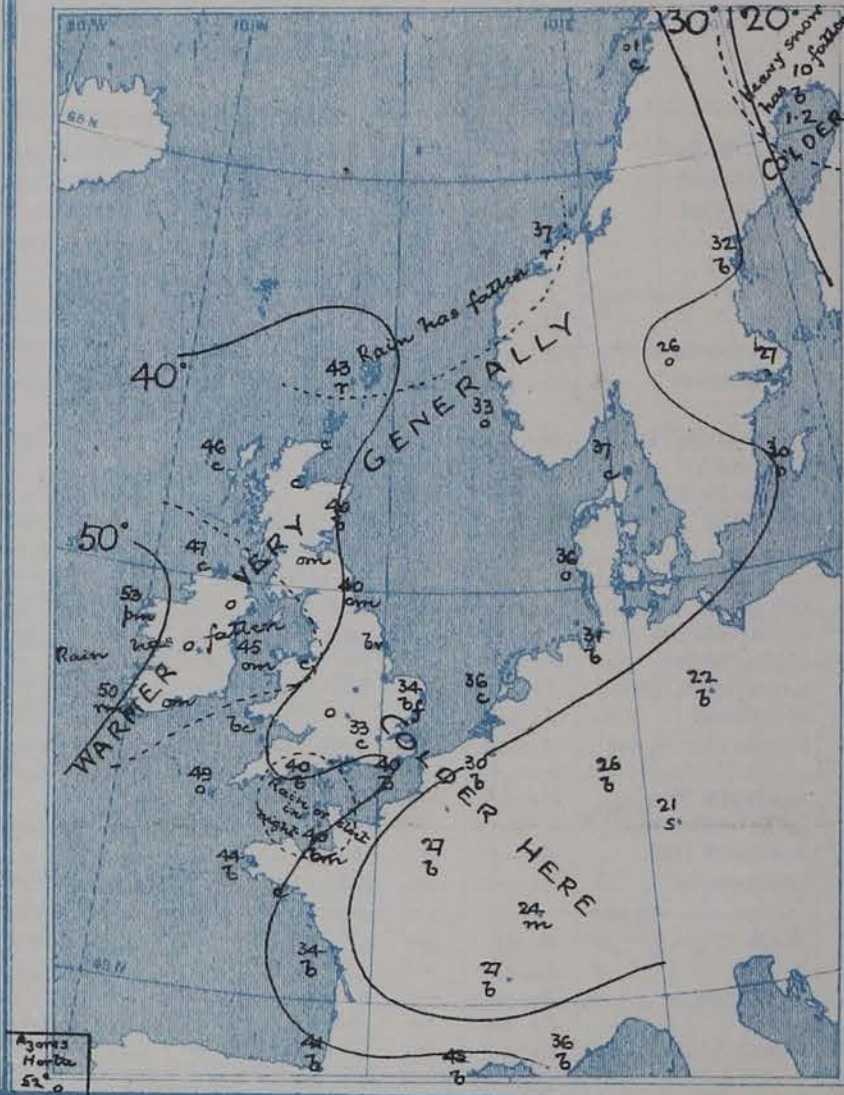


II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus: 0.6



III. BAROMETER AND WIND

Yesterday morning.



IV. Averages of DAILY MAXIMUM and MINIMUM TEMPERATURES

combined for the month of FEBRUARY (1871-1900)



V. Means of DAILY TEMPERATURE

at 8 A.M. for the monthly period FEBRUARY (1871-1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The barometer has now become highest in a narrow ridge extending from Spain to the Shetlands, while it is lowest over the Baltic and Gulf of Bothnia and relatively low to the westward of Ireland. There is also another low pressure area over the Gulf of Genoa. The actual readings range from 30.31 in. at Lisbon, 30.35 in. at Spurn Head, and 30.30 in. at Lumburgh Head to 30.16 in. at Valencia Island, and to 29.86 in. and 29.82 in. respectively at Wick and Hopton Head. At Nice the barometer stands at 29.86 in. Pressure is at present increasing throughout our area, but the movement is very slight along our western coasts.

WIND

TEMPERATURE

WEATHER

AND

SEA

With this distribution of pressure the wind is mainly N^W over the countries lying to the eastward of the North Sea and in the Netherlands, and S.E^W over the major portion of the United Kingdom. It blows freshly at Valencia and strongly in Gotland, but elsewhere it is moderate to very light. Over Germany a light N^W to N.W^W breeze prevails. Temperature has fallen several degrees in most parts of our area and is now a little below the normal at some of our northern and eastern stations. It ranges from 49° at Valencia and 47° at Scilly to 43° at Stornoway, 36° at Yarmouth, 35° at Aberdeen and 34° at Naïon and in the Shetlands. The Continental values range from 46° at Rochefort and 40° at Paris and Nice to 27° at Berlin, 19° at Bodo and 13° at Helsingland. The sky is clear or nearly so over Sweden, Denmark at most German stations, in the Riviera and at some of our eastern and southern stations, but very cloudy or dull in most other regions. Rain is falling at Malin Head, Holyhead and Lyons and snow at Munich. The sea is rather rough off the south-west of Ireland, moderate to smooth elsewhere. The highest temperature recorded at any of our stations during yesterday was 50° at Donaghadee, but on the coast of Brittany the maximum was 54°, and at Perpignan 62°. Slight rain has fallen in various parts of our Islands and also over Germany and the Netherlands, while at Belfort as much as 0.47 in. has been measured. Bright sunshine was entirely absent from the Kingdom as a whole, but one hour was registered at Parsonstown.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The weather over the greater part of our Islands will probably be fair and dry, with light airs, while it remains under the influence of the high pressure ridge, which is likely to increase in size and move or spread eastwards. The freshening wind at Valencia and the relatively slight baric rise in the west generally seem to indicate the approach of disturbances from the Atlantic, which may cause some rain in the extreme west.

FORECASTS *

For the 24 hours ending at NOON on 17th February, 1903

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	S ^W and S.E ^W winds, freshening somewhat, fair and cold generally. Frost at night.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Wind shifting to S.E. or E, light or moderate, fair, rather cold, hazy or foggy locally.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	S.E ^W or S ^W airs, rather cold, cloudy or dull generally, haze or fog locally.
5	ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as Nos. 0 and 1.
7	ENGLAND N.W.	
8	ENGLAND S.W.	S ^W or S.E ^W winds, increasing in force, dull and dry in most places, but some rain in west.
9	IRELAND NORTH	
10	IRELAND SOUTH	

WARNINGS

None issued.

Note.—The South Cone, point downwards (∇), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
The North Cone, point upwards (∇), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

* For terms for transmission of Forecasts by Telegraph, see next page.

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.																		
TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.						THIS MORNING 8 A.M.						PAST 24 HOURS.					
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine Hrs.	Rainfall Ins.	
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.			
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	Bw	*	O	48	33	0.0	—	
Newton Reigny (Penrith) ...	?	41	SE 1	O	?	?	37	36	?	SE 1	O	*	ogt	46	36	0.0	0.06	
Bath	30.13	47	W 1	O	30.30	+20	43	43	-2	W 1	O	*	—	49	43	0.2	—	
REPORTS FOR YESTERDAY.																		
STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall Ins.							
	Max.	Min.					Max.	Min.										
Southport, to 9 p.m....	46	43	om,ot	0.0	0.01	Eastbourne	*	*	*	0.0	*							
Rhyl	*	*	*	0.0	*	Hastings	*	*	*	0.0	*							
Llandudno	*	*	*	0.0	*	Lowestoft, to 6 p.m. Not recd.	*	*	*	*	*							
Aberystwyth, to 6 p.m. ...	48	45	C	0.5	—	Harrogate, to 6 p.m. ...	46	39	ot	0.0	0.12							
Plymouth, to 9 p.m. Not recd.	*	*	*	0.0	*	Manchester, to 9 p.m. ...	47	43	oud	0.0	0.04							
Worthing	*	*	*	0.0	*	Darwen, to 9 p.m. ...	43	41	om,d	0.0	0.16							
Brighton	*	*	*	0.0	*	Birmingham, to 9 p.m. ...	48	43	od	0.0	—							
TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.																		
STATIONS. <i>15 Feb. 1903.</i>	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.									
	Max. °	Min. °				Max. °	Min. °											
Utrecht... ..				Ins.	Tunis				Ins.									
Madrid					Algiers													
Vienna					Madeira (Funchal)													
St. Petersburg																		
Trieste																		
Florence																		
Rome																		
Corsica (I. Sanguinaires) ...																		
Naples																		
Palermo																		
Malta																		
EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.																		
WEATHER,—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.																		
* AN ASTERISK is inserted in all places for which information is not usually received.																		
TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.										TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.								
COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.	16 Feb. 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.										
British Isles, Belgium† ...	8 a.m.(West European)	8 a.m.	6 p.m.‡ (W.B.T.)	6 p.m.‡														
Holland	8 a.m.(„ „)	8 a.m.	7 p.m. (W.E.T.)	7 p.m.	Yarmouth	7.10	12.7	5.4										
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Greenwich	7.15	12.14	5.13										
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick	7.46	12.26	5.6										
Spain	8 a.m.(West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.	Valencia	7.57	12.55	5.53										
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m.(Lisbon)	4 p.m.														
Azores { Point Delgada ...	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.														
{ Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.														
SUBSCRIPTIONS both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.																		
TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.																		
„ Weekly „ „ „ „ £1 10 0 „ Single Copies, 6d.																		
Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. Smith & Sons' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.																		
FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom Sixpence in addition to the cost of the inquiry and reply Telegrams. Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.																		

† The evening observations in Belgium are not given on page 1

: At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 18th February 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.					
		BAROM.	TEMP.		WIND.		Weather	BAROMETER.		TEMPERATURE.			WIND.		Sea (0 to 9.)	Weather.	Temp.				Sun- shine. — Hours.	Rainfall. — Ins.
			At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fabr. and M.S.L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)			Max.	Min.	Sun- shine. — Hours.	Rainfall. — Ins.		
SCANDINAVIA.	Haparanda ...	30.11	6	NW	4	b	30.29	+74	-12	-13	-22	Z	0	b	*	—	18	?	*	—		
	Hernösand ...	30.25	16	Z	0	b	30.39	+66	3	2	-29	Z	0	0	*	—	37	3	*	—		
	Stockholm ...	30.17	28	W	2	b	30.45	+52	19	18	-8	SE	2	0	*	—	34	18	*	—		
	Wisby ...	30.07	34	W	4	S	30.40	+36	22	20	-8	Z	0	b	*	—	36	21	*	—		
	Karlstad ...	30.13	34	NE	2	b.c	30.33	+21	25	25	-1	E	4	S	*	—	*	*	*	—		
	Färder (X'ania Fjord)	30.11	39	WNW	3	0	30.22	+07	35	34	+1	SSE	4	0	2	—	39	34	*	—		
	Bodö ...	30.13	22	E	2	b	29.88	+13	22	20	-9	ENE	6	b	2	—	32	18	*	—		
	Christiansund ...	30.10	36	SW	2	r	29.90	-13	44	43	+7	SW	8	r	5	—	45	36	*	0.71		
Skudesnaes ...	30.27	36	Z	0	f	30.25	-12	39	39	+6	S	2	f	2	o.f	39	33	*	*			
BRITISH ISLANDS.	Sumburgh Head	30.08	47	W	4	0	30.04	-16	46	45	+3	W	3	0	5	b.c.o	47	42	*	0.12		
	Stornoway ...	30.12	49	SW	6	0	30.04	-14	48	47	+2	SW	7	0	7	0	50	44	0.0	0.03		
	Malin Head ...	30.25	50	SSW	5	C	30.17	-08	45	44	-2	S	6	0	4	b.c.c	51	45	*	—		
	Blacksod Pt. ...	30.21	51	SSW	7	c.p.m	30.16	-08	49	46	-4	SSW	7	c.m	6	c.p.m	53	47	*	0.01		
	Valencia ...	30.29	51	S	5	og	30.24	-07	47	44	-3	SSE	5	0	4	og	53	46	0.0	0.01		
	Roche's Point ...	30.39	49	S	5	0	30.33	-07	46	44	-2	S	5	0	4	0	50	45	*	0.01		
	Parsonstown ...	30.35	49	S	3	0	30.28	-09	42	40	-6	SE	2	C	*	c.o	53	41	3.2	—		
	Donaghadee ...	30.39	47	SW	3	C	30.32	-08	44	42	-2	SSW	3	C	3	—	49	42	*	—		
Liverpool Obsy.	30.50	44	WSW	2	b	30.44	-08	34	32	-7	SSE	2	b	?	—	50	33	*	—			
Holyhead ...	30.46	46	S	3	o.m	30.41	-07	41	39	-4	S	3	b.c.m	2	o.m	47	39	*	—			
Pembroke (St. Ann's)	30.48	46	SSE	5	C	30.40	-09	42	40	-3	SSE	5	c.g.g	4	—	47	39	0.8	—			
GERMANY, &c.	Scilly (St. Mary's)...	30.44	48	SSE	5	0	30.36	-11	45	43	-4	SE	5	C	6	0	51	42	1.5	—		
	Jersey (St. Aubins)...	30.60	42	SE	4	b.m	30.53	-11	40	38	0	ESE	4	b.m	3	b.m	44	39	9.0	—		
	Portland Bill ...	30.59	40	SSE	2	b.c	30.51	-10	39	37	-1	SSE	2	b	1	b.c	46	37	*	—		
	Dungeness ...	30.62	40	SW	3	b	30.59	-08	40	39	0	SSW	3	b	1	b.c.b	47	38	*	—		
	Wick ...	30.15	45	S	3	0	30.07	-16	43	41	0	S	3	0	2	—	49	40	*	0.04		
	Nairn ...	30.19	49	W	4	C	30.12	-15	49	46	+8	SW	2	C	1	—	52	40	*	—		
	Aberdeen ...	30.27	47	SW	3	b.c	30.20	-14	47	44	+7	SW	4	b.c	2	o.p.b.c	50	39	1.6	—		
	Leith ...	30.34	49	SW	2	0	30.28	-11	46	43	0	SW	3	C	*	—	50	44	*	—		
North Shields ...	30.40	49	SW	2	C	30.37	-09	40	39	0	SSW	3	C.m	2	C	50	35	*	—			
FRANCE.	Spurn Head ...	30.51	44	SW	4	b	30.49	-09	35	34	-2	SSW	4	b	2	—	49	33	*	—		
	Yarmouth ...	30.53	41	SW	4	b.c	30.55	-05	34	32	0	SW	2	b.m	2	b.b.c	44	29	*	—		
	Loughborough ...	30.60	37	S	2	b	30.57	-07	28	28	-9	S	1	b.m	*	—	47	26	*	—		
	Oxford ...	30.59	39	SSW	1	b	30.56	-08	30	29	-3	Z	0	b	*	b	49	27	4.6	—		
	The Scaw (Skagen)	30.17	39	WNW	4	m	30.25	+02	40	40	+3	W	1	r	0	—	41	36	*	0.04		
	Fanö ...	30.39	38	W	4	0	30.42	-08	39	38	+3	W	2	m	*	—	39	36	*	—		
	Cuxhaven ...	30.57	37	WSW	3	0	30.50	-09	39	38	+8	WSW	4	0	*	—	39	31	*	—		
	The Helder ...	30.56	41	WSW	2	b	30.57	-06	39	39	+3	WSW	1	b	2	—	43	36	*	—		
Brussels ...	*	*	*	*	*	30.67	-04	28	26	-2	SE	1	b	*	—	40	27	*	—			
Berlin ...	30.52	34	W	2	0	30.50	-12	35	34	+13	WNW	2	r	*	—	36	22	*	—			
Frankfurt ...	30.65	31	SW	2	b	30.70	-01	24	24	-2	SW	1	b	*	—	37	23	*	—			
Munich ...	30.65	25	SW	2	m	30.67	-00	19	18	-2	SW	2	b	*	—	28	18	*	—			
SPAN. PEN.	C. Gris Nez ...	30.62	38	SSW	2	b	30.56	-07	31	28	-1	S	2	b	1	—	43	30	*	—		
	Brest ...	30.49	43	SE	2	b	30.41	-09	40	38	-4	ESE	4	b	4	—	48	37	*	—		
	Lorient ...	30.44	44	E	4	b	30.43	-11	37	36	-4	E	4	b	3	—	50	34	*	—		
	Rochefort ...	30.44	44	E	4	b	30.48	-02	36	34	+2	ESE	3	b	*	b	50	30	*	—		
	Biarritz ...	30.43	51	E	3	b	30.49	+02	48	41	+7	SSE	4	b	0	—	54	41	*	—		
	Paris ...	30.65	34	ESE	1	b	30.64	-04	23	23	-4	N	1	b	*	—	44	22	*	—		
	Belfort ...	30.66	29	ENE	3	m	30.69	+03	23	21	-1	NE	2	m	*	—	36	21	*	—		
	Lyons ...	30.67	34	N	2	b	30.70	+11	23	21	-4	N	1	b	*	—	40	22	*	—		
Nice ...	30.65	41	Z	0	b	30.57	+17	35	30	-1	E	1	b	2	—	50	34	*	—			
Perpignan ...	30.54	43	S	1	b	30.57	+13	32	30	-11	WSW	2	b	*	—	51	28	*	—			
SPAN. PEN.	Corunna ...	30.17	58	E	3	b	30.28	+07	48	44	-2	NE	5	C	*	—	66	48	*	—		
	Lisbon ...	30.17	58	E	3	b	30.28	+07	48	44	-2	NE	5	C	*	—	66	48	*	—		
	Azores (P. Delgada)	29.91	55	NNW	3	b	30.02	+48	52	48	0	NW	2	b	2	—	59	50	*	0.04		
" (Horta) ...	29.91	55	NNW	3	b	30.02	+48	52	48	0	NW	2	b	2	—	59	50	*	0.04			

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.

WEATHER CHARTS

FOR WEDNESDAY, 18TH FEBRUARY, 1903.

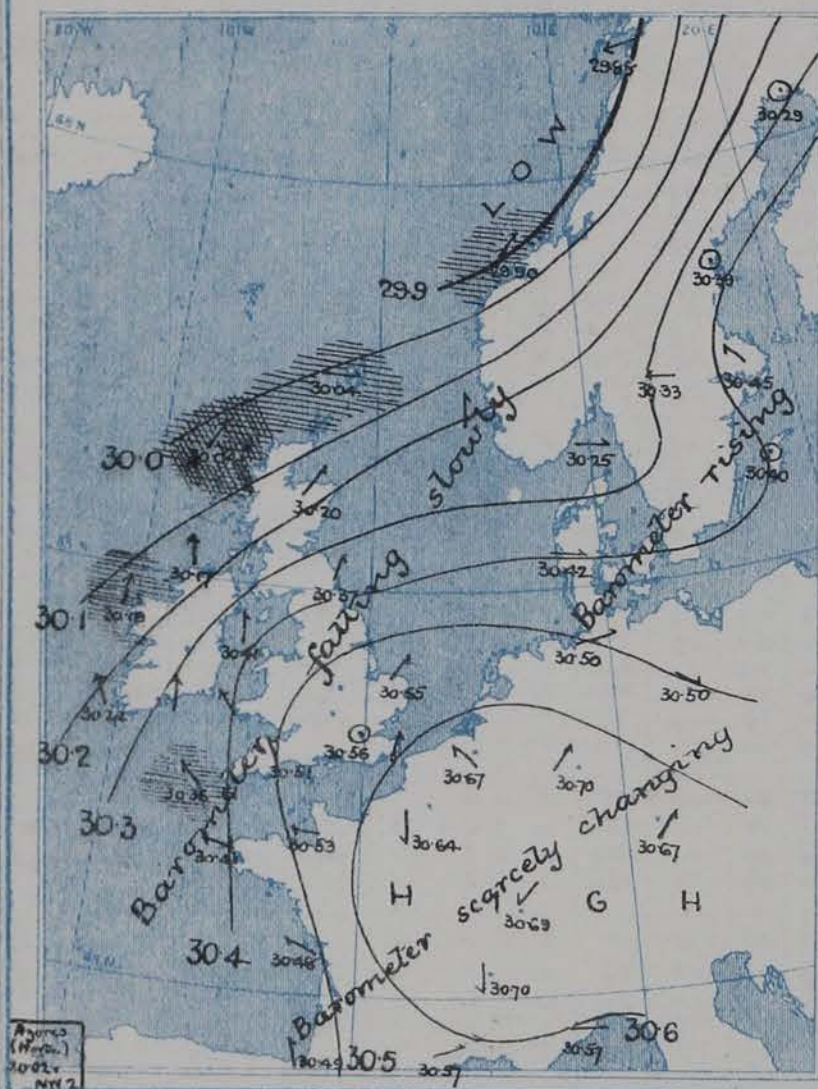
I. BAROMETER, WIND AND SEA. This Morning.

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → Force 5 to 7 → } Calm ☉
Force 8 to 10 → Force 1 to 4 →

SEA.—Bough High

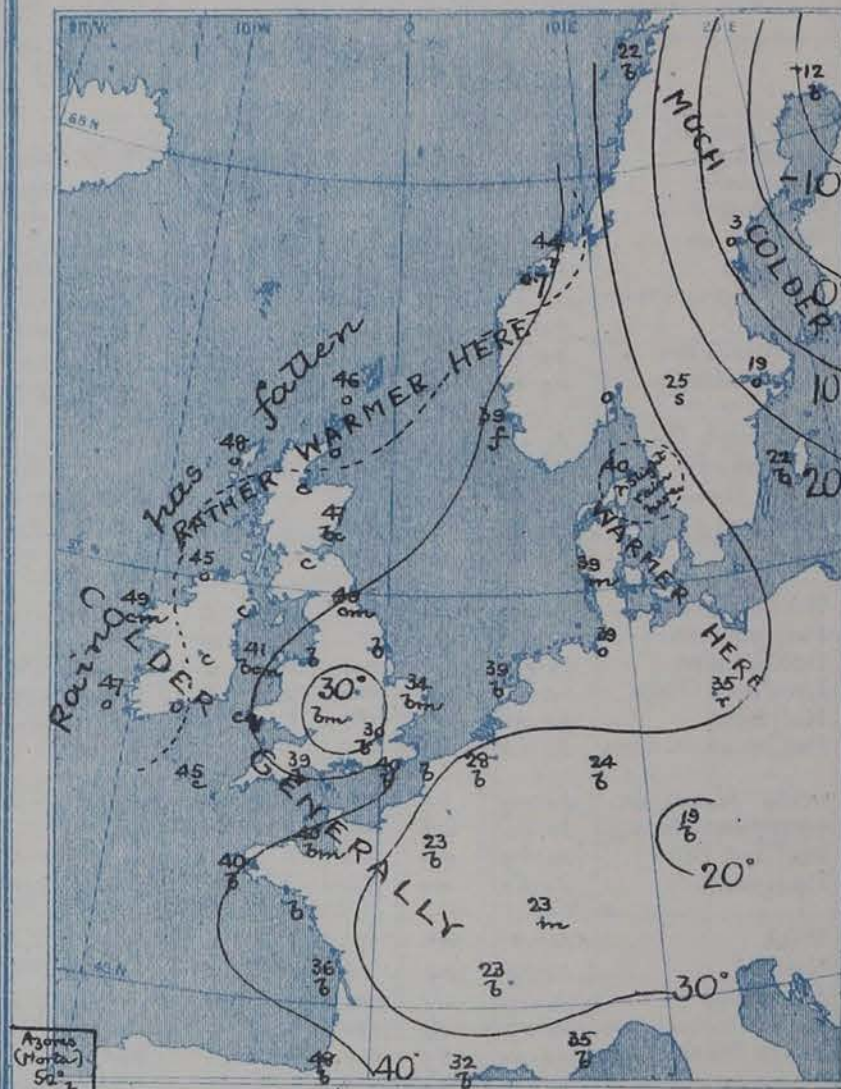


II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6

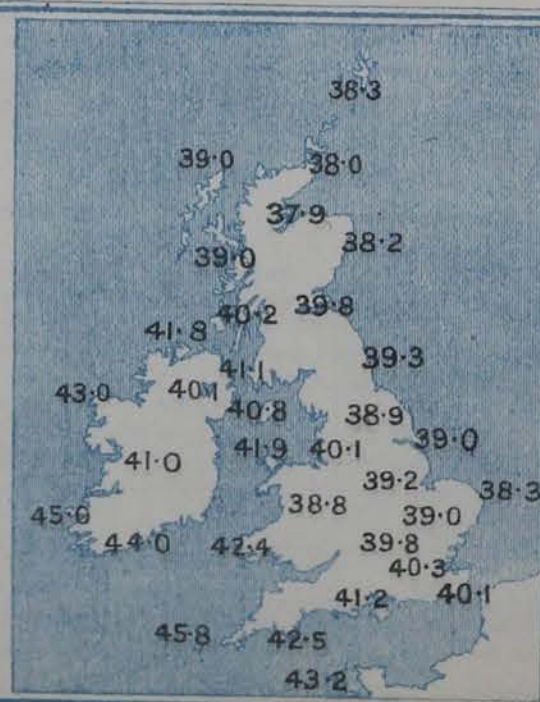


III. BAROMETER AND WIND

Yesterday morning.



IV. Averages of DAILY MAXIMUM and MINIMUM TEMPERATURES combined for the month of FEBRUARY (1871-1900)



V. Means of DAILY TEMPERATURE at 8 A.M. for the monthly period FEBRUARY (1871-1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

Barometric pressure is now highest in an anticyclone whose centre is shown over western Germany, while it is lowest in a cyclonic system over Finland and Lapland, and relatively low off our own north-western coasts. The readings range from 30.71 ins. at Frankfurt and Brussels to 30.18 ins. at Stornoway, and to 29.55 ins. at Haparanda. The mercury is still rising over France, Germany and the southern half of our Islands, but falling over our northern districts and Scandinavia.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind shows a complete circulation around the anticyclonic centre, being N.E.^{ly} at Belfast, E.^{ly} over the west of France, S.E.^{ly} over the English Channel, S.^{ly} over England, and W.^{ly} over North Germany; all these currents are very light or only moderate in force. Over Ireland, the west of Scotland and Scandinavia, however, where the wind is under the influence of distant cyclonic systems, it is much stronger, the S.^{ly} winds in the former region being very brisk and the W.^{ly} to N.W.^{ly} winds in latter strong to a gale. Temperature has again fallen in those regions under the direct influence of the high pressure area, but risen over our western and northern districts, Scandinavia, and Denmark. On the west coast of Ireland it is as high as 53° or 50°, whence it decreases to 49° at Scilly, 46° in the Hebrides, 40° at Aberdeen, Shields, and Jersey, to 33° in London, and to 32° at Bath. Over the Continent the readings range from 44° at Brest to below 40° over Norway and Denmark, and to below 30° over Germany and the major portion of France. The lowest readings of all are 22° at Berlin, 21° at Munich, and 10° at Haparanda. A good deal of cloud prevails over the northern part of our area, but the weather is fine on our eastern and southern coasts and also at most French and German stations. Rain is falling on the west coast of Ireland and at Christianund and snow at Munich. The sea is slight or smooth generally but rather rough at Roche's Point and Blackhead Point, and rough in the Minch.

Frost occurred last night in most parts of England—in London the thermometer on the grass descended to 21°. Very little bright sunshine was recorded yesterday except at Jersey, where there was as much as 7.2 hrs. Slight rain was experienced in the north and north-west and at some English Channel stations; at Haparanda 1.2 in. (melted snow) was measured.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no indications of any great change in the condition now prevailing. It is probable that the anticyclone will increase still further in size and intensity and that the weather over England will be mainly fair and cold, while disturbances in the far west and north will cause a continuance of strong S.^{ly} or S.W.^{ly} winds on our outlying coasts, with much cloud and some rain.

FORECASTS *

For the 24 hours ending at NOON on 18th February, 1903

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	S ^{ly} and S.W. ^{ly} winds, fresh or strong; rather mild, some rain.
1	SCOTLAND EAST	S ^{ly} or S.W. ^{ly} winds, light or moderate; fair generally.
2	ENGLAND N.E.	
3	ENGLAND EAST	Light winds between S.E. and S.W.; fair, cold.
4	MIDLAND COUNTIES	frost at night. Some fog or haze locally.
5	ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as No. 0.
7	ENGLAND N.W.	Wind chiefly S ^{ly} , moderate or fresh; fair generally and rather mild.
8	ENGLAND S.W.	
9	IRELAND NORTH	S ^{ly} winds, fresh or strong; mild, some rain in west, mostly fair in east.
10	IRELAND SOUTH	

WARNINGS

None issued.

Note.—The South Cone, point downwards (∇), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
The North Cone, point upwards (∇), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

* For terms for transmission of Forecasts by Telegraph, see next page.

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.					THIS MORNING 8 A.M.					PAST 24 HOURS.						
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine.	Rainfall
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.	Hrs.	Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	6	*	0, 6	43	33	3.5	—
Newton Reigny (Penrith)	?	40	SE 2	0	?		41	40	+4	SSE 2	0		09	42	36	0.0	—
Bath	30.48	43	SE 2	0	30.61	+31	32	32	-11	NE 1	0		—	46	31	0.0	—

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m....	44	41	0.0	0.0	0.01	Eastbourne	*	*	*	1.0	*
Rhyl	*	*	*	0.0	*	Hastings	*	*	*	1.8	*
Llandudno	*	*	*	0.0	*	Lowestoft, to 6 p.m. ...	42	31	0.0	1.1	—
Aberystwyth, to 6 p.m. ...	48	45	0.0	0.0	—	Harrogate, to 6 p.m. ...	42	36	0.0	1.0	0.04
Plymouth, to 9 p.m....	51	42	0.0	0.5	—	Manchester, to 9 p.m. ...	44	40	0.0	0.0	0.01
Worthing	*	*	*	0.0	*	Darwen, to 9 p.m. ...	40	36	0.0	0.0	0.01
Brighton	*	*	*	0.0	*	Birmingham, to 9 p.m. ...	42	38	0	0.0	—

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 16 Feb. 1908.	TEMPERATURE F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Utrecht	46	30	0	—	Tunis	61	46	0	—
Madrid	57	32	0	—	Algiers	66	50	0	—
Vienna	43	23	0	0.08	Madeira (Funchal) <i>Not Recd.</i>				
St. Petersburg	10	-8	0	—					
Trieste	43	39	0	—					
Florence	54	40	0	—					
Rome	56	39	0	—					
Corsica (I. Sanguinaires) ...	54	43	0	—					
Naples	54	46	0	—					
Palermo	60	50	0	—					
Malta	58	52	0	0.12					

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.
* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.					TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.			
COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.	17 Feb. 1908.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.	Yarmouth	7.8	12.7	5.6
Holland	8 a.m. (")	8 a.m.	7 p.m. (W.E.T.)	7 p.m.	Greenwich	7.13	12.14	5.15
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Wick	7.44	12.26	5.8
France	7 a.m. (Paris) ...	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Valencia	7.55	12.55	5.55
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.				
Portugal	8 a.m. (Lisbon) ...	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.				
Azores (Point Delgada ...)	6 a.m. (Local) ...	7.43 a.m.	9 p.m. (Local)	10.43 p.m.				
(Horta)	6 a.m. (Local) ...	7.55 a.m.	9 p.m. (Local)	10.55 p.m.				

SUBSCRIPTIONS both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.
FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom Sixpence in addition to the cost of the inquiry and reply Telegrams. Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on *Thursday, 19th February, 1903.*

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)						THIS MORNING. (See note on last page.)											PAST 24 HOURS.				
		BAROM.		TEMP.		WIND.		BAROMETER.		TEMPERATURE.				WIND.		Sea (0 to 9.)	Weather.	Temp.		Sun- shine. Hours.	Rainfall. Ins.		
		At 32° and M. S. L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather.	At 32° Fahr. and M. S. L.	Change since Yester- day. Ins.	Dry Bulb.	Wet Bulb.	Change since Yester- day. °	Direc.	Force (0 to 12.)	Weather.	Max.			Min.					
																			Ins.			°	Ins.
SCANDINAVIA.	Haparanda ...	29.79	14	SW	6	S	29.33	-.96	30	29	+42	WSW	6	C	*	-	30	-13	*	0.16			
	Hernösand ...	29.91	26	SW	2	O	29.57	-.82	29	27	+26	Z	0	O	*	-	29	-6	*	0.16			
	Stockholm ...	30.23	30	SSE	4	O	29.85	-.60	37	35	+18	W	6	O	*	-	37	18	*	-			
	Wisby ...	30.34	30	SSW	2	O	30.03	-.37	34	33	+12	SW	2	O	*	-	34	21	*	-			
	Karlstad ...	30.15	36	SW	2	f	29.95	-.38	36	35	+11	SW	2	O	*	-	*	*	*	0.08			
	Færder (X'ania Fjord) ...	30.11	38	SW	4	m	29.91	-.31	37	36	+2	SW	6	m	4	-	38	35	*	-			
	Bodö ...	29.42	37	E	4	T	29.15	-.73	41	40	+19	SW	8	r	4	-	41	22	*	-			
	Christiansund ...	29.77	49	SW	3	O	29.49	-.41	48	42	+4	SW	6	O	5	-	50	43	*	0.04			
	Skudesnaes ...	30.16	40	S	6	O	29.89	-.36	40	39	+1	S	6	O	5	f, O	40	39	*	-			
	Sumburgh Head ...	29.87	44	SSW	3	O	29.39	-.65	46	45	0	SSW	5	O	6	O	47	42	*	0.01			
BRITISH ISLANDS.	Stornoway ...	29.78	46	SW	8	T	29.32	-.72	50	48	+2	SSW	8	r	8	O, T	50	44	0.0	0.22			
	Malin Head ...	30.04	46	SSW	6	ogm	29.52	-.65	51	50	+6	SW	8	og	5	cm, ogm	51	45	*	-			
	Blacksod Pt. ...	29.97	49	SSW	7	om	29.60	-.56	53	51	+4	SSW	9	ogm	6	cm, om	53	49	*	0.01			
	Valencia ...	30.12	50	S	5	og	29.89	-.35	54	51	+7	SSW	6	om	6	og	54	46	0.0	-			
	Roche's Point ...	30.23	49	SSW	4	O	30.07	-.26	51	50	+5	SW	5	om	5	O	51	45	*	-			
	Parsonstown ...	30.13	47	SSE	4	C	29.90	-.38	53	50	+11	SSW	7	og	*	C	54	41	0.1	-			
	Donaghadee ...	30.18	45	SW	3	O	29.85	-.47	50	49	+6	SW	4	og	3	-	50	42	*	-			
	Liverpool Obsy. ...	30.33	44	SW	1	z	30.07	-.37	51	47	+17	SW	6	O	5	-	52	33	*	-			
	Holyhead ...	30.27	45	S	6	om	30.05	-.36	49	48	+8	SSW	8	og	6	C, om	49	39	*	-			
	Pembroke (St. Ann's) ...	30.28	46	S	6	O	30.18	-.22	49	48	+7	SW	7	cgm	6	opm	49	42	1.2	-			
GERMANY, &c.	Scilly (St. Mary's) ...	30.33	48	S	4	om	30.25	-.11	48	46	+3	SSW	5	bcw	5	g, om	50	43	0.0	-			
	Jersey (St. Aubins) ...	30.50	46	SE	3	z	30.48	-.05	44	42	+4	SSE	4	z	3	z, z, m, w	48	39	9.0	-			
	Portland Bill ...	30.46	44	S	3	z	30.40	-.11	47	46	+8	SW	3	C	3	z	48	38	*	-			
	Dungeness ...	30.52	45	SW	3	z	30.41	-.18	46	45	+6	SW	5	z	3	z	46	39	*	-			
	Wick ...	29.86	45	SW	6	O	29.40	-.67	47	45	+4	SW	4	O	3	-	49	43	*	-			
	Nairn ...	29.94	46	W	4	O	29.43	-.69	53	50	+4	W	5	z	3	-	53	45	*	-			
	Aberdeen ...	30.03	44	SW	5	cg	29.64	-.56	47	45	0	S	5	O	3	cg	48	43	0.0	-			
	Leith ...	30.12	44	SW	2	z	29.70	-.58	53	50	+7	SSW	5	og	*	-	53	41	*	-			
	North Shields ...	30.19	45	SSW	3	om	29.95	-.42	49	47	+9	SSW	4	O	2	C, om	49	38	*	-			
	Spurn Head ...	30.34	43	SSW	4	z	30.17	-.32	41	40	+6	S	4	cm	3	-	45	34	*	-			
FRANCE.	Yarmouth ...	30.44	40	SSW	3	z	30.31	-.24	39	37	+5	SW	4	z, cm	3	z	43	31	*	-			
	Loughborough ...	30.46	39	S	2	z	30.32	-.25	44	43	+16	SSW	3	cm	*	z	50	28	*	-			
	Oxford ...	30.47	41	SSW	3	z	30.37	-.19	42	40	+12	WSW	1	z	*	z	51	30	5.0	-			
	London (Brixton) ...	30.47	41	SSW	3	z	30.37	-.19	42	40	+12	WSW	1	z	*	z	51	30	5.0	-			
	The Scaw (Skagen) ...	30.26	40	WNW	4	m	30.06	-.19	37	36	-3	WSW	4	m	1	-	41	34	*	0.04			
	Fanö ...	30.42	36	SW	5	z	30.22	-.20	37	36	-2	SSW	6	C	*	-	41	36	*	-			
	Cuxhaven ...	30.56	40	WSW	1	z	30.38	-.12	33	31	-6	SW	3	C	*	-	43	32	*	-			
	The Helder ...	30.50	31	SSW	1	z	30.34	-.23	39	38	0	SW	4	z	2	-	43	30	*	-			
	Brussels ...	*	*	*	*	*	30.51	-.16	37	31	+9	SSW	3	C	*	-	43	28	*	-			
	Berlin ...	30.59	38	W	4	O	30.52	+0.02	32	31	-3	SW	2	z	*	-	39	30	*	0.20			
SPAN. PEN.	Frankfurt ...	30.68	31	W	2	z	30.66	-.04	26	26	+2	ESE	1	z	*	-	41	24	*	-			
	Munich ...	30.71	31	Z	0	z	30.66	-.01	26	25	+7	SSW	2	z	*	-	36	19	*	-			
	C. Gris Nez ...	30.50	40	SSW	3	z	30.36	-.20	39	36	+8	SSW	4	z	4	-	46	31	*	-			
	Brest ...	30.42	49	SE	4	z	30.44	+0.03	49	48	+9	SE	3	z	4	-	50	40	*	-			
	Lorient ...	30.51	46	E	5	z	30.44	+0.01	43	43	+6	S	3	z	2	-	50	34	*	-			
	Rocheport ...	30.56	48	SE	2	z	30.56	+0.08	36	35	0	SE	3	z	2	z	55	34	*	-			
	Biarritz ...	30.51	35	SE	2	O	30.54	+0.05	39	37	-9	Z	0	z	2	-	63	35	*	-			
	Paris ...	30.62	39	SE	2	z	30.60	-.04	24	24	+1	NNE	1	z	*	-	48	23	*	-			
	Belfort ...	30.65	35	ENE	5	m	30.66	-.03	28	26	+5	Z	0	m	*	-	41	23	*	-			
	Lyons ...	30.67	35	NE	1	z	?	?	27	27	+4	Z	0	z	*	-	41	23	*	-			
Nice ...	30.58	42	Z	0	z	30.70	+0.13	37	36	+2	NE	1	z	*	-	50	35	*	-				
Perpignat ...	30.58	43	Z	0	z	30.68	+0.11	32	31	0	SW	1	z	*	-	55	30	*	-				
SPAN. PEN.	Corunna ...	30.34	52	SE	5	z	30.53	+0.25	46	41	-2	NE	5	z	*	-	61	45	*	-			
	Lisbon ...	30.08	56	N	4	z	30.16	+0.18	55	52	+2	NNE	4	z	*	-	59	53	*	-			
	Azores (P. Delgada) ...	30.15	52	Z	0	z	30.17	+0.15	53	52	+1	W	1	C	2	-	59	50	*	-			

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

* Observations for this column not generally received.

+ Observations received too late for insertion in Charts on next page.

WEATHER CHARTS

FOR THURSDAY, 19th FEBRUARY, 1903.

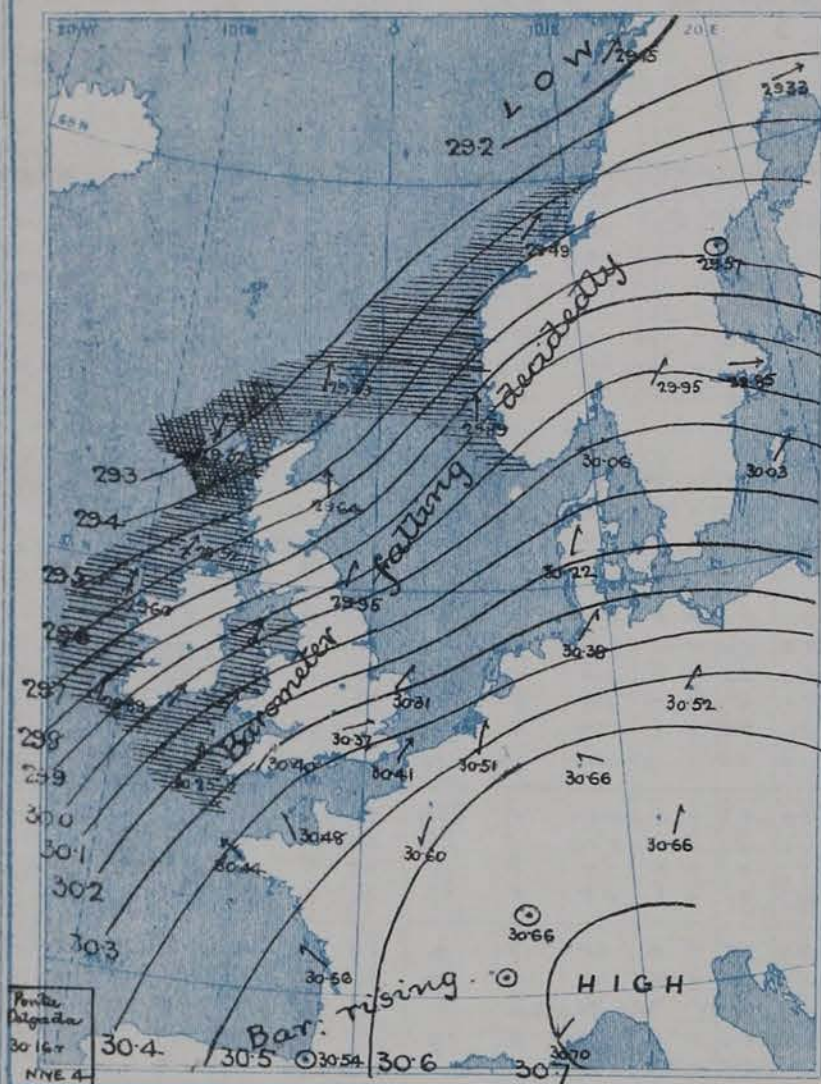
I. BAROMETER, WIND AND SEA. This Morning.

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Direction and Force, flying with the wind.

Force above 10 → Force 5 to 7 → } Calm ○
Force 8 to 10 → Force 1 to 4 →

SEA.—Rough High

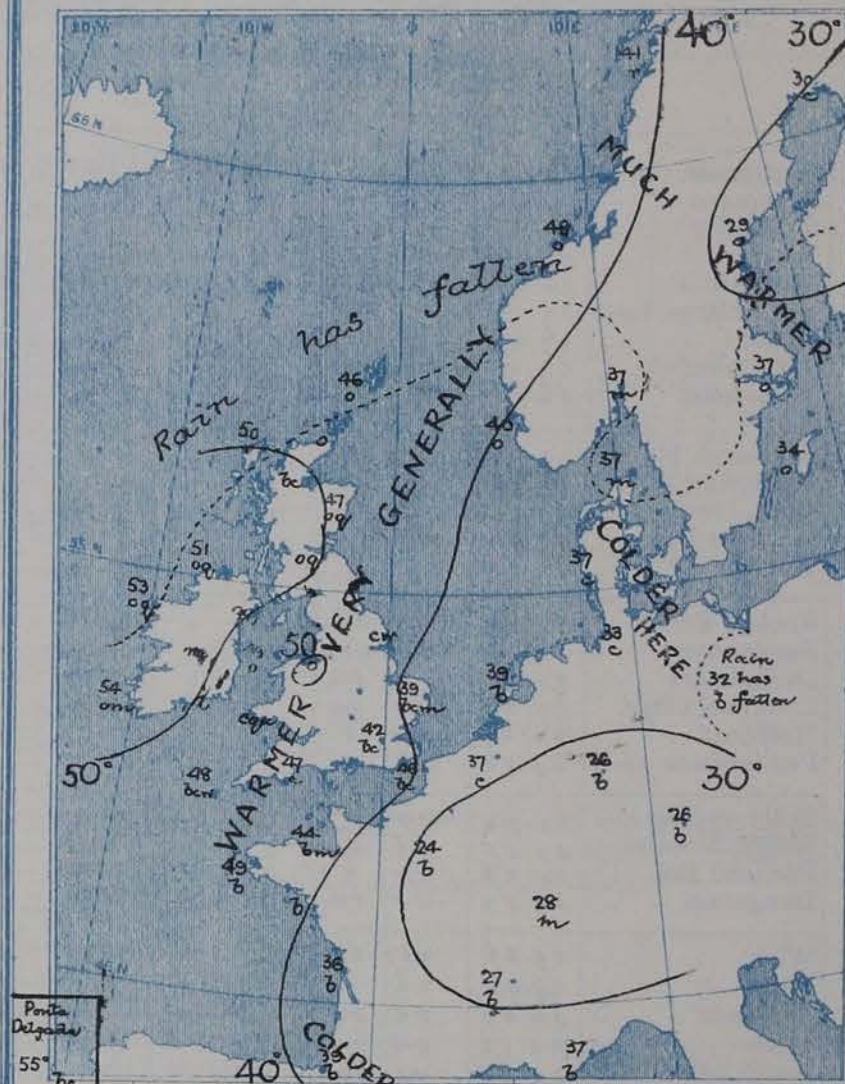


II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6



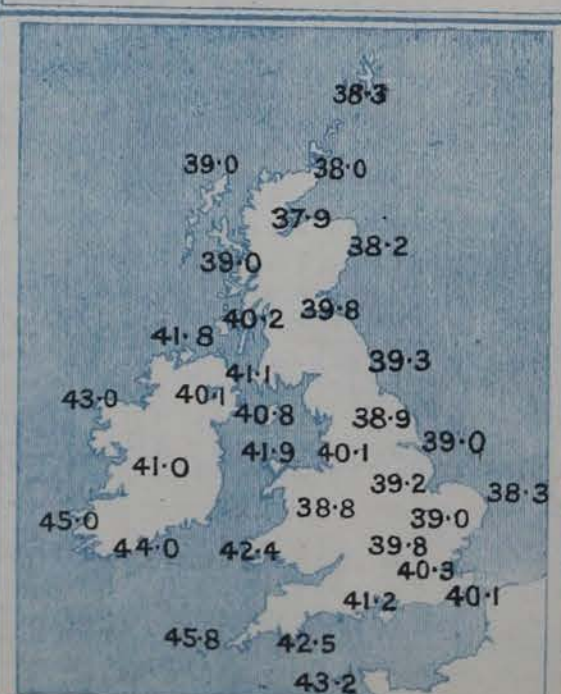
III. BAROMETER AND WIND

Yesterday morning.



IV. Averages of DAILY MAXIMUM and MINIMUM TEMPERATURES

combined for the month of FEBRUARY (1871-1900)



V. Means of DAILY TEMPERATURE

at 8 A.M. for the monthly period FEBRUARY (1871-1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The barometer continues highest in an anticyclone over Germany and France, but it is now lowest in a cyclonic disturbance which has reached the west coast of Norway. The actual readings range from 30.70 in. both at Lyons and Frankfurt to 30.04 in. in the Hebrides and to 29.89 in. at Bodø. Pressure is decreasing slowly over the greater part of our Islands and in Norway, increasing in Sweden and Denmark, and scarcely changing within the central portion of the anticyclone. Gradients are thus growing gradually steeper in the west and north-west of our Islands.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind remains light and anticyclonic over the south-eastern part of our area, but is strong or fresh from S.E. or S. in Ireland and the south-west of England and from S.W. in the Hebrides, while at Christiansund there is a fresh S.W. gale, and at Bodø a strong N.E. breeze. Temperature has fallen generally, but risen in the south-west of France, north Germany, Scotland and the west of Norway. It is above the normal over Ireland and Scotland, but below it at most English stations. The readings range from 49° at Blackpool Point, 48° in the Shetlands, and 47° at Aberdeen to 40° at Jersey, Dungeness, and Shields, 30° in London, and to 28° at Bath and Oxford. The Continental values range from 48° at Biarritz to 32° at Perpignan, 23° at Paris and Lyons, and to 19° at Munich; and from 44° at Christiansund to 19° at Stockholm and to -12° at Haparanda. A good deal of cloud prevails on our western and northern coasts, but in nearly all parts of our area the weather is fine and bright. Rain is, however, falling at Berlin and Skagen, and snow at Karlsstad. The sea is rough off our extreme north and north-west coasts and at Scilly, moderate to smooth elsewhere.

Maximum temperatures of 50° or above were recorded yesterday at many of our western and northern stations, but in the south-east they were generally much lower. Bright sunshine was very prevalent except in the west and north - Clifton-on-Sea and Jersey had about 9 hrs. No rain was observed except trifling amounts on our extreme west and north-west coasts and at Skagen, and 0.71 in. at Christiansund. Sharp frost was experienced over England during the night; at Bath the sheltered thermometer fell to 25°, at Oxford to 26°, and in London to 27°.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There appears to be no definite indication of any immediate change in the general distribution of pressure, and although disturbances may encroach more and more over our western and north-western districts, the weather over the Kingdom as a whole is likely to remain fine for the present, with a low night temperature over England.

FORECASTS *

For the 24 hours ending at NOON on 19th February, 1903

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	S.W. ^{ly} and S. ^{ly} winds, fresh or strong; mild, some rain locally.	6 { SCOTLAND WEST	Same as No. 0.
1 { SCOTLAND EAST	S.W. ^{ly} or S. ^{ly} winds, light or moderate; fair generally. Rather mild.	7 { ENGLAND N.W.	Moderate or fresh winds between S.E. and S.W.; fair, rather mild.
2 { ENGLAND N.E.		8 { ENGLAND S.W.	
3 { ENGLAND EAST	S. ^{ly} or S.W. ^{ly} winds, light; fine, cool.	9 { IRELAND NORTH	S. ^{ly} or S.W. ^{ly} winds, fresh or strong; mild and mostly fair, but some rain in west.
4 { MIDLAND COUNTIES	Frost probable at night.	10 { IRELAND SOUTH	
5 { ENGLAND SOUTH	Light winds between S.E. and S.W.; fine generally, but haze or slight fog locally. Frost at night.	WARNINGS	None issued.

Note.—The South Cone, point downwards (∇), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
The North Cone, point upwards (∇), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

* For terms for transmission of Forecasts by Telegraph, see next page.

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.					THIS MORNING 8 A.M.					PAST 24 HOURS.						
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.		
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	δ	*	δ	44	33	8.9	—
Newton Reigny (Penrith)	30.44	42	S 2	δ	30.37		39	38	-2	S 1	C	*	C	47	36	2.3	—
Bath	30.57	41	E 1	0	30.51	-10	28	28	-4	E 1	0	*	—	47	25	5.0	—

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m.	48	39	0, δ	0.0	—	Eastbourne	*	*	*	4.6	*
Rhyl	*	*	*	3.1	*	Hastings	*	*	*	3.2	*
Llandudno	*	*	*	5.0	*	Lowestoft, to 6 p.m. ...	45	29	δ, δc, δ	5.5	—
Aberystwyth, to 6 p.m. ...	48	42	δc	5.0	—	Harrogate, to 6 p.m. ...	46	36	0, c, 0	0.0	—
Plymouth, to 9 p.m.	*	*	*	*	*	Manchester, to 9 p.m. ...	48	38	δc, c, δc	1.2	—
Worthing	*	*	*	6.8	*	Darwen, to 9 p.m. ...	45	35	c, om, δm	0.0	—
Brighton	*	*	*	4.6	*	Birmingham, to 9 p.m. ...	45	35	c, 0, δ	2.5	—

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 17 Feb. 1903.	TEMPERATURE F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE F.		WEATHER.	RAIN.
	Max. °	Min. °				Max. °	Min. °		
Utrecht	43	21	b b	Ins.	Tunis	57	50	0 0	Ins.
Madrid	63	2	b b	—	Algiers	66	54	c c	0.08
Vienna	36	19	0 b	—	Madeira (Funchal) ...	66	54	b c	—
St. Petersburg	14	-17	5 5	0.04	... 18 Feb. 1903.				
Trieste	52	36	b b	—	1 p.m.		1 p.m.		Measured 7 a.m.
Florence	52	36	b b	—	Lugano	52	—	b	—
Rome	59	43	b b	0.32	Davos	27	—	0	0.91
Corsica (I. Sanguinaires) ...	54	36	b b	0.04	Lucerne	36	—	0	0.60
Naples	62	45	0 r	1.06	Lausanne	41	—	b	0.28
Palermo	59	53	0 0	0.08					
Malta									

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.					TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.			
COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.	18 Feb., 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.† (W.E.T.)	6 p.m.†	Yarmouth	7.6	12.7	5.8
Holland	8 a.m. (" ")	8 a.m.	7 p.m. (W.E.T.)	7 p.m.				
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.				
France	7 a.m. (Paris) ...	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.				
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.				
Portugal	8 a.m. (Lisbon) ...	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.	Valencia	7.53	12.55	5.57
Azores { Point Delgada ...	6 a.m. (Local) ...	7.43 a.m.	9 p.m. (Local)	10.43 p.m.				
Horta	6 a.m. (Local) ...	7.55 a.m.	9 p.m. (Local)	10.55 p.m.				

SUBSCRIPTIONS both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 " " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom Sixpence in addition to the cost of the inquiry and reply Telegrams. Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

† At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on *Friday, 20th February, 1903.*
 Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather	BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9.)	Weather.	Temp.		Sun- shine. Hours.	Rainfall. Ins.	
At 32° and M.S.L.	Dry Bulb.	Dir.	Force (0 to 12.)	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dir.	Force (0 to 12.)	Max.	Min.									
Ins.	°			Ins.	Ins.	°															
SCANDINAVIA.	Haparanda ...	29.06	33	SW	2	o	28.80	-.53	34	33	+ 4	W	4	c	0	-	34	12	*	0.12	
	Hernösand ...	29.23	36	W	2	o	29.11	-.46	42	38	+ 13	W	2	o	0	-	45	27	*	-	
	Stockholm ...	29.60	50	SW	4	o	29.44	-.41	45	43	+ 8	WSW	4	o	0	-	50	30	*	-	
	Wisby ...	29.80	37	SW	2	c	29.76	-.27	41	39	+ 7	W	6	c	0	-	41	25	*	-	
	Karlstad ...	29.62	37	SW	6	o	29.43	-.52	42	41	+ 6	SW	4	o	0	-	40	37	*	-	
	Færder (X'iania Fjord)	29.58	40	SSW	6	f	29.40	-.51	40	40	+ 3	WSW	6	m	4	-	40	37	*	-	
	Bodö ...	29.07	46	SW	9	n	29.04	-.45	43	37	- 5	W	9	r	6	-	50	41	*	0.55	
	Christiansund ...	29.55	42	SSW	8	o	29.47	-.42	40	39	0	WNW	5	o	5	m, o	43	39	*	-	
	Skudesnaes ...	29.16	46	WSW	5	o	29.38	-.01	38	36	- 8	W	7	c	6	r, o	49	35	*	0.34	
	Sumburgh Head ...	29.28	48	W	7	o	29.64	+ .32	39	37	- 11	WNW	7	o, g, l	8	r, o, l	53	36	0.0	0.87	
BRITISH ISLANDS.	Malin Head ...	29.56	48	W	8	o, r, g	30.01	+ .49	46	44	- 5	W	7	c	6	r, o, r, g	51	43	*	0.16	
	Blacksod Pt. ...	29.67	49	WSW	7	o, m, p	30.08	+ .48	47	44	- 6	SSW	4	o	4	o, p, g, m, l	53	42	*	0.35	
	Valencia ...	29.90	53	SSW	6	o, m	30.21	+ .32	46	44	- 8	S	2	o	6	o, o, m	56	45	0.0	0.02	
	Roche's Point ...	30.00	51	SW	6	o, g, m	30.28	+ .21	45	45	- 6	W	1	o	2	o, g, m	52	?	*	0.03	
	Parsonstown ...	29.84	53	SSW	4	r	30.23	+ .33	41	39	- 12	S	1	o	0	r	57	40	0.0	0.12	
	Donaghadee ...	29.74	54	WSW	5	o, g, p	30.08	+ .23	44	40	- 6	WSW	5	o	4	-	57	43	*	0.04	
	Liverpool Obsy. ...	30.02	52	SW	5	o	30.27	+ .20	47	44	- 4	W	6	o	5	-	54	46	*	-	
	Holyhead ...	29.95	50	SW	8	o, g, m	30.27	+ .22	46	44	- 3	WSW	3	o	3	o, g, m	50	44	*	0.02	
	Pembroke (St. Ann's) ...	30.12	49	SW	7	c	30.36	+ .18	49	48	0	SW	5	o	5	c, p	56	47	3.2	-	
	Scilly (St. Mary's) ...	30.20	51	SSW	6	c	30.33	+ .08	50	50	+ 2	SW	4	m	5	o, c	56	48	6.7	0.02	
GERMANY, &c.	Jersey (St. Aubins) ...	30.44	49	SSW	4	o, m	30.53	+ .05	49	48	+ 5	SW	4	o, m	3	o, c, m	54	44	9.1	-	
	Portland Bill ...	30.33	48	SW	4	c	30.41	+ .01	49	48	+ 2	WSW	4	f	4	c	53	46	*	-	
	Dungeness ...	30.36	47	SW	6	o	30.40	-.01	49	48	+ 3	W	6	o	4	o, c	50	45	*	-	
	Wick ...	29.34	48	WNW	6	c	29.68	+ .28	38	36	- 9	NW	7	c, u	3	-	54	34	*	0.20	
	Nairn ...	29.40	47	SSW	4	r	29.77	+ .34	39	38	- 14	WSW	4	c	3	r	57	36	*	0.36	
	Aberdeen ...	29.45	54	SW	6	o, g	29.84	+ .20	38	36	- 9	WSW	5	o	3	o, g, p	57	37	0.9	0.03	
	Leith ...	29.62	53	SW	4	r	30.00	+ .30	44	40	- 9	SW	4	o	0	-	57	41	*	0.15	
	North Shields ...	29.77	52	SW	5	c	30.01	+ .06	46	43	- 3	WSW	6	o	2	o, o	54	43	*	0.09	
	Spurn Head ...	30.02	53	SW	6	o	30.12	-.05	48	44	+ 7	WSW	7	o	4	-	56	41	*	-	
	Yarmouth ...	30.18	51	SSW	5	c	30.21	-.10	52	49	+ 13	W	5	o	4	o, c	54	36	*	-	
FRANCE.	Loughborough ...	30.23	50	SW	5	o	30.38	+ .06	48	47	+ 4	WSW	2	o	0	o, g	59	44	*	-	
	Oxford ...	30.27	50	SW	2	o	30.34	-.03	52	50	+ 10	WSW	3	o	0	o, c, g	58	46	3.8	-	
	London (Brixton) ...	29.76	41	WSW	5	m	29.54	-.52	44	44	+ 7	W	7	r	2	-	45	36	*	-	
	The Scaw (Skagen) ...	30.00	41	SSW	8	o	29.86	-.36	42	41	+ 5	SW	8	r	0	-	42	37	*	-	
	Fanö ...	30.23	42	SW	5	o	30.06	-.32	39	38	+ 6	SW	6	c	0	-	43	33	*	-	
	The Helder ...	30.20	43	SW	7	o	30.16	-.18	46	45	+ 7	WSW	7	c	5	-	46	39	*	-	
	Brussels ...	30.33	37	SW	2	o	30.25	-.27	36	33	+ 4	SSW	3	o	0	-	45	32	*	-	
	Berlin ...	30.53	39	SW	2	o	30.47	-.19	32	30	+ 6	SW	2	o	0	-	45	26	*	-	
	Frankfurt ...	30.62	37	SW	3	o	30.61	-.05	35	33	+ 9	SW	2	o	0	-	46	26	*	-	
	Munich ...	30.35	45	SSW	5	o	30.36	-.00	47	47	+ 8	SW	5	f	5	-	48	39	*	-	
SPAN. PEN.	Brest ...	30.41	50	S	3	o	30.52	+ .08	50	50	+ 1	SSW	2	o	4	-	52	49	*	-	
	Lorient ...	30.48	50	S	4	o	30.52	+ .08	50	50	+ 7	SW	4	o	5	-	55	43	*	-	
	Rocheport ...	30.58	50	SW	3	o	30.66	+ .10	42	41	+ 6	S	3	m	0	-	59	34	*	-	
	Biarritz ...	30.58	57	Z	0	o	30.72	+ .18	45	45	+ 6	S	1	o	3	-	64	39	*	-	
	Paris ...	30.53	45	SSW	3	o	30.60	-.00	36	36	+ 12	SW	3	o	0	-	53	24	*	-	
	Belfort ...	30.62	44	W	2	m	30.67	+ .01	33	30	+ 5	WSW	5	m	0	-	51	28	*	-	
	Lyons ...	30.68	45	SE	1	o	30.78	+ .05	33	31	+ 6	WNW	1	o	0	-	53	27	*	-	
	Nice ...	30.70	43	SSW	1	o	30.65	-.05	41	38	+ 4	E	1	o	0	-	55	37	*	-	
	Perpignan ...	30.70	47	NE	1	c	30.70	+ .02	34	34	+ 2	SW	1	o	0	-	56	32	*	-	
	Corunna ...	30.59	55	NNE	4	o	30.65	+ .12	48	42	+ 2	NNE	0	o	0	-	61	45	*	-	
SPAN. PEN.	Lisbon ...	30.28	59	ENE	3	o	30.35	+ .19	58	57	+ 3	SE	3	o	0	-	64	55	*	-	
	Azores (P. Delgada) ...	30.25	55	SW	3	o	30.26	+ .09	58	57	+ 5	SSW	4	o	0	-	61	53	*	-	
SPAN. PEN.	„ (Horta) ...	30.25	55	SW	3	o	30.26	+ .09	58	57	+ 5	SSW	4	o	0	-	61	53	*	-	

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.

WEATHER CHARTS

FOR FRIDAY, 20th FEBRUARY, 1903.

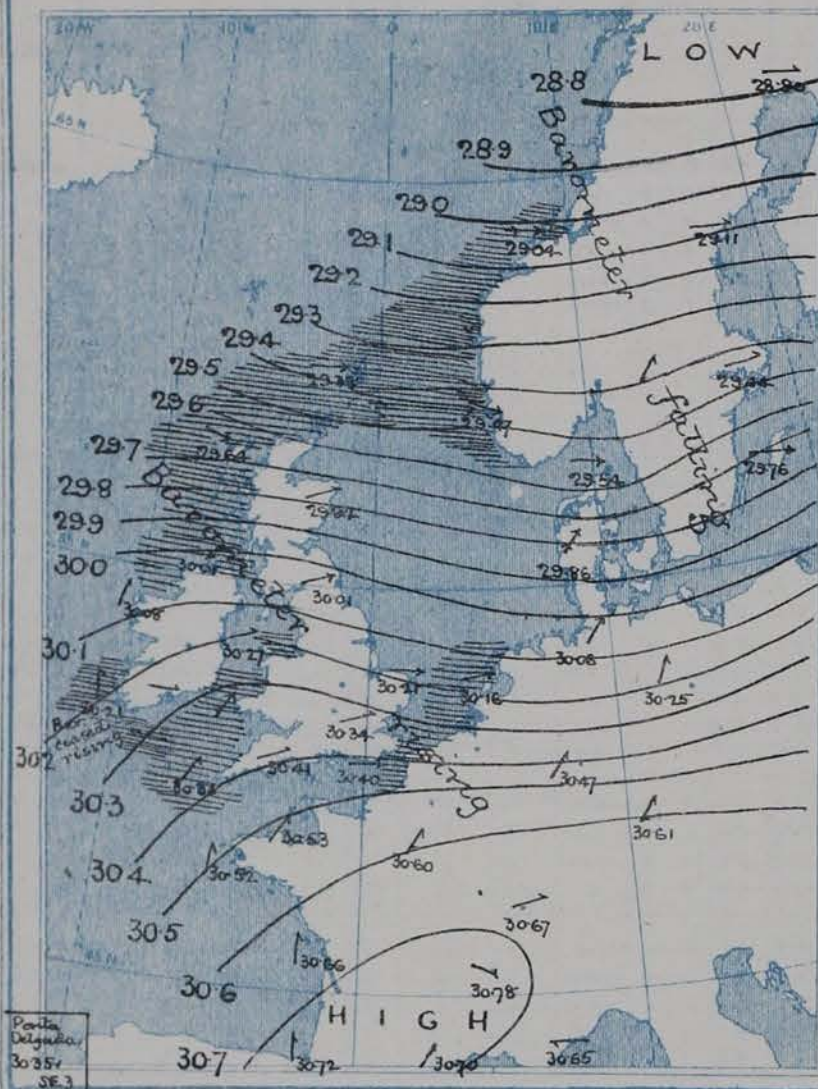
I. BAROMETER, WIND AND SEA. This Morning.

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → Force 5 to 7 → } Calm ○
Force 8 to 10 → Force 1 to 4 →

SEA.—Rough High

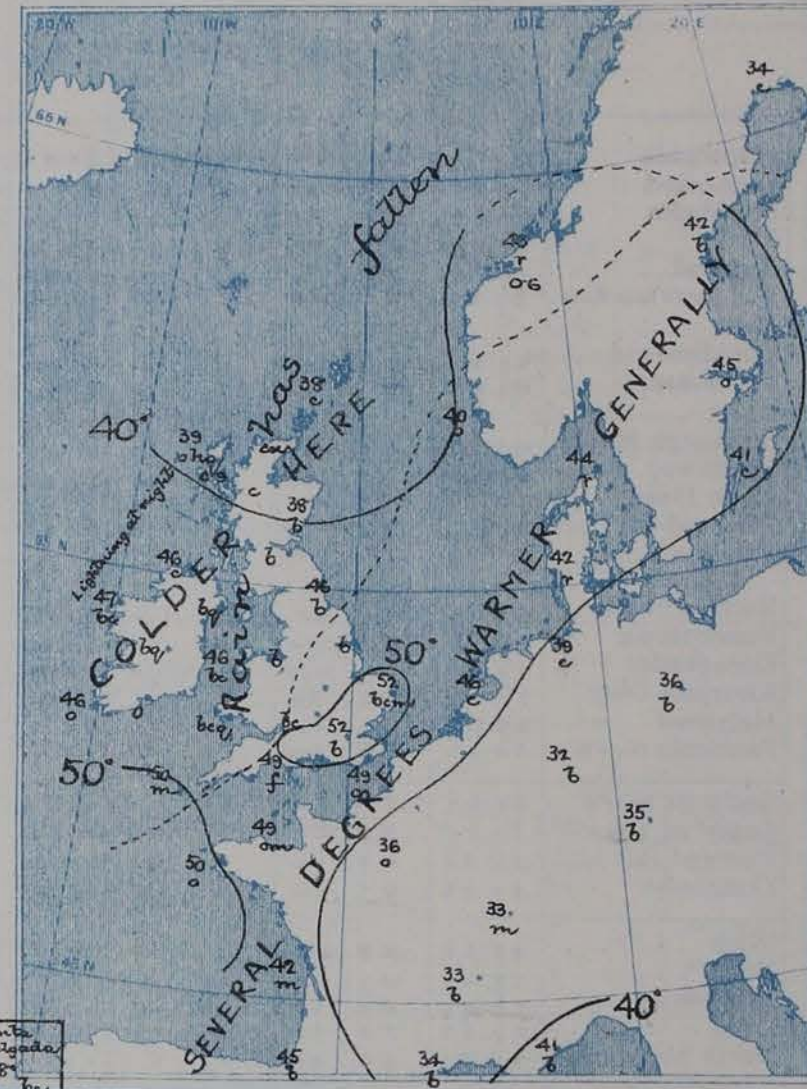


II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAIN.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours, when exceeding half an inch is shown thus .06

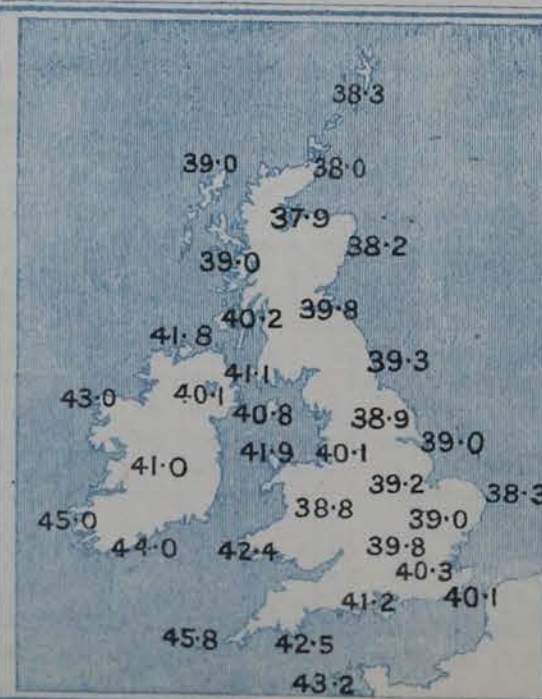


III. BAROMETER AND WIND

Yesterday morning.



IV. Averages of DAILY MAXIMUM and MINIMUM TEMPERATURES combined for the month of FEBRUARY (1871-1900)



V. Means of DAILY TEMPERATURE at 8 A.M. for the monthly period FEBRUARY (1871-1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

Since yesterday morning cyclonic disturbances have continued to spread over our Islands and northwestern Europe generally, the fall of the barometer having been very brisk in the northwest and north. The continental anticyclone has at the same time receded more to the south-eastwards. The readings at present range from 30.66 ins. at Frankfurt and Munich to 29.32 ins. at Stornoway and to 29.15 ins. at Bodø. Pressure is still decreasing decidedly along our west coasts and gradients have become steep over all our northern and western districts.

WIND

The wind is very light and rather variable within the anticyclone, but over our area generally it is S^w or SW^w. It is only light or moderate in force on our south and east coasts, but is fresh or strong in the west and north, and at several outlying stations blows a fresh to strong gale.

TEMPERATURE

Temperature has risen in almost all parts of our area, and is again above the mean over the United Kingdom. At Bath the change since 8 a.m. yesterday is 20° and at Haparanda as much as 42°. At Valencia island it is as high as 54° and is above 50° at many northern and other western stations. In the east, however, it is lower, the readings at Spurn Head and Yarmouth being 41° and 39° respectively. The continental values range from 49° at Brest and 48° at Christiansund to 39° at Biarritz, 37° at Nice, Brussels and over Denmark to 24° at Paris.

WEATHER

The weather remains fine over France, Germany, and our own southeastern districts, but has become cloudy or dull elsewhere, with rain in the Hebrides and north of Norway.

AND

SEA

The Sea is very high at Stornoway, rough in the west and north generally, slight in the east and south.

Maximum temperatures of 50° or above were recorded in many parts of the Kingdom during yesterday, but frost again occurred at night over the southeast of England. Bright sunshine was very prevalent over the more southern parts of England. — Eastbourne had 9.1 hrs. Some rain has fallen at Berlin, Skagen, in parts of Scandinavia, and on our extreme north and north-west coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is at present no indication of any slackening of the baric fall in the west and northwest, so that gradients for S^w and SW^w winds are likely to become even steeper and gales more general in the west and north. Slight rain is probable in many districts, but over the greater part of England the weather will continue fair for a time.

FORECASTS *

For the 24 hours ending at NOON on 20th FEBRUARY. 1903

DISTRICTS.

FORECASTS.

0 $\overline{\pi}$ SCOTLAND NORTH

1 $\overline{\pi}$ SCOTLAND EAST

2 { ENGLAND N.E.

3 { ENGLAND EAST

4 { MIDLAND COUNTIES

5 { ENGLAND SOUTH

S^w and SW^w winds, strong, a gale in places; squally, some rain, mild.

Same as No. 4.

Same as No. 5.

S^w and SW^w to W^w winds, freshening; cloudy or dull, some rain, mild.

SW^w to W^w winds, freshening; mild, mostly fair, but less settled than of late.

DISTRICTS.

FORECASTS.

6 $\overline{\pi}$ SCOTLAND WEST

7 $\overline{\pi}$ ENGLAND N.W.

8 $\overline{\pi}$ ENGLAND S.W.

9 $\overline{\pi}$ IRELAND NORTH

10 $\overline{\pi}$ IRELAND SOUTH

Same as Nos. 0 + 1.

S^w and SW^w to W^w winds, strong, a gale in places; squally, rain at times, mild.

At 3.40 p.m. yesterday to Districts 0, 6, and part of 9; and at 9.30 a.m. today to Districts 1, 7, 10, part of 8 and the remainder of 9, "Horse South Cone".

WARNINGS

Note.—The South Cone, point downwards ($\overline{\pi}$), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
The North Cone, point upwards ($\overline{\pi}$), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

* For terms for transmission of Forecasts by Telegraph, see next page.

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.					THIS MORNING 8 A.M.					PAST 24 HOURS.						
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.		
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	3	*	3	45	39	9.0	-
Newton Reigny (Penrith)	30.24	40	S 3	3c	29.95	- .42	49	48	+ 1.0	SSW 5	0	*	0.0	49	38	2.2	0.01
Bath	30.43	44	S 2	0	30.30	- .21	48	46	+ 2.0	S 6	0	*	-	50	28	7.3	-

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m. ...	47	32	3, c, 0	2.3	-	Eastbourne	*	*	*	9.1	*
Rhyl	*	*	*	4.3	*	Hastings	*	*	*	8.7	*
Llandudno	*	*	*	4.3	*	Lowestoft, to 6 p.m. ...	43	29	3	7.1	-
Aberystwyth, to 6 p.m. ...	49	39	3c	6.0	-	Harrogate, to 6 p.m. ...	48	32	0 m c	0.6	-
Plymouth, to 9 p.m. ...	50	36	3, 3c, 0	7.7	-	Manchester, to 9 p.m. ...	48	33	3c, 3, 3c	2.3	-
Worthing	*	*	*	8.5	*	Darwen, to 9 p.m. ...	44	30	3c, c m	2.5	-
Brighton	*	*	*	8.1	*	Birmingham, to 9 p.m. ...	45	30	3	5.7	-

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 18 Feb. 1903.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Utrecht	41	25	6 6c	Ins.	Tunis	54	43	0 0	Ins.
Madrid <i>not recd.</i>	*	*	*	-	Algiers	57	46	0 "	0.12
Vienna	34	28	6 6	-	Madeira (Funchal) <i>not recd.</i>	*	*	*	0.04
St. Petersburg	25	0	0 6	0.08					
Trieste	39	20	6 6	-	17 Feb. 1903.				
Florence	44	27	6 6	-		1 p.m.		1 p.m.	Measured 7 a.m.
Rome	46	33	6 0	-	Lugano	41	-	6	-
Corsica (I. Sanguinaires) ...	52	45	6 6	-	Davos	19	-	6	-
Naples	38	34	6 6	-	Lucerne	32	-	6	-
Palermo	55	40	0 0	0.04	Lausanne	34	-	6	-
Malta	51	45	? 6	0.24					

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.† (W.E.T.)	6 p.m.†
Holland	8 a.m. (")	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris) ...	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon) ...	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Point Delgada ...	6 a.m. (Local) ...	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Horta	6 a.m. (Local) ...	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

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

19 Feb. 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	7.4	12.7	5.10
Greenwich	7.9	12.14	5.19
Wick	7.38	12.26	5.14
Valencia	7.51	12.55	5.59

SUBSCRIPTIONS both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 " " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom Sixpence in addition to the cost of the inquiry and reply Telegrams. Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 21st February, 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather	BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9.)	Weather.	Temp.		Sun- shine. Hours.	Rainfall. Ins.	
				At 32° and M.S.L.	Dry Bulb.		Dir.	Force (0 to 12.)	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.				Dir.	Force (0 to 12.)			Max.	Min.
		Ins.	°				Ins.	Ins.	°												
SCANDINAVIA.	Haparanda ...	28.81	29	SW	2	?	29.22	+0.42	28	28	-6	W	4	C	*	-	37	28	*	-	
	Hernösand ...	29.32	38	SW	6	?	29.09	-0.02	35	32	-7	SW	2	O	*	-	46	25	*	-	
	Stockholm ...	29.63	40	W	4	?	29.42	-0.02	37	35	-8	S	5	O	*	-	45	37	*	0.08	
	Wisby ...	29.77	38	SSW	6	?	29.65	-0.11	37	36	-4	SSW	6	O	*	-	43	32	*	-	
	Karlstad ...	29.80	39	W	6	?	29.38	-0.05	40	40	-2	SSW	4	T	*	-	*	*	*	-	
	Færder (X'ania Fjord)	29.81	35	WSW	6	?	29.30	-0.10	41	41	+1	WSW	7	m	4	-	43	35	*	-	
	Bodö ...	28.72	40	SW	9	0	28.64	+0.01	37	35	-2	S	4	O	3	-	40	34	*	0.16	
	Christiansund ...	29.38	40	W	9	7	28.98	-0.06	42	37	-1	WSW	8	T	6	-	43	36	*	0.24	
	Skudesnaes ...	29.86	42	SSW	8	0	29.39	-0.08	42	40	+2	W	6	O	6	C, O	43	37	*	-	
BRITISH ISLANDS.	Sumburgh Head	29.45	44	SSW	4	0	29.08	-0.30	40	38	+2	W	7	O	7	C, O	45	34	*	0.36	
	Stornoway ...	29.31	46	SW	9	7	29.25	-0.39	40	37	+1	SW	8	O	8	O, T, L	51	37	1.5	0.55	
	Malin Head ...	29.53	52	SW	9	09	29.57	-0.44	45	44	-1	SW	8	Cg	7	og, u	52	43	*	0.10	
	Blacksod Pt. ...	29.59	53	SSW	9	09pm	29.67	-0.41	47	45	0	W	5	Cm	5	Tg, m, og, pm	53	45	*	0.06	
	Valencia ...	29.90	53	SSW	6	09pm	29.83	-0.38	50	49	+4	SW	6	rm	6	T, om, g, p	54	46	0.0	0.19	
	Roche's Point ...	29.99	52	SW	7	om	29.90	-0.38	51	51	+6	SSW	5	rm	4	om, f	52	49	*	0.17	
	Parsonstown ...	29.85	55	SW	7	0	29.78	-0.45	49	47	+8	SSW	3	or	*	g, p, or	55	40	1.9	0.14	
	Donaghadee ...	29.82	50	SW	8	09	29.70	-0.38	47	45	+3	SW	4	op, g	4	-	50	43	*	0.10	
	Liverpool Obsy.	30.06	54	SSW	6	0	29.85	-0.42	51	49	+4	WSW	6	p	5	-	55	47	*	0.02	
GERMANY, &c.	Holyhead ...	30.01	50	S	7	g, d, m	29.84	-0.43	49	49	+3	SW	7	og, m	5	cm, g, d, m	50	44	*	0.03	
	Pembroke (St. Ann's)	30.12	49	SSW	7	0	29.99	-0.37	49	49	0	SW	7	md, g	6	g, f, om, r, g	51	47	0.4	0.04	
	Scilly (St. Mary's)...	30.23	51	S	6	m	30.11	-0.22	51	50	+1	SSW	6	m	7	m	54	50	0.2	-	
	Jersey (St. Aubins)...	30.50	51	S	4	om	30.35	-0.18	52	47	+3	SW	6	om	4	C, om, g	56	49	0.8	-	
	Portland Bill ...	30.40	50	SSW	4	om	30.20	-0.21	50	49	+1	SW	5	om	5	f, om	50	48	*	0.01	
	Dungeness ...	30.43	48	SW	5	od, pm	30.20	-0.20	51	49	+2	WSW	7	ou	5	od, pm	51	47	*	0.01	
	Wick ...	29.36	41	SSW	6	0	29.28	-0.40	35	34	-3	NW	6	O	3	-	45	34	*	0.10	
	Nairn ...	29.46	48	SSW	5	0	29.36	-0.41	40	40	+1	WSW	4	O	3	-	52	38	*	0.28	
	Aberdeen ...	29.67	46	S	4	0	29.45	-0.39	43	40	+5	SW	4	?	2	?, O	53	37	6.0	-	
FRANCE.	Leith ...	29.76	50	S	5	0	29.58	-0.42	48	44	+4	SSW	3	O	*	-	55	38	*	0.07	
	North Shields ...	29.95	51	SW	3	?	29.72	-0.29	51	47	+5	SW	3	Cg	2	?, C, T	54	44	*	0.03	
	Spurn Head ...	30.13	48	SW	6	?	29.86	-0.26	53	51	+5	SSW	6	?, Cg	4	?	55	47	*	-	
	Yarmouth ...	30.28	49	SSW	4	?	30.01	-0.20	55	50	+3	SW	6	C	*	?	56	44	*	-	
	Loughborough ...																				
	Oxford ...	30.24	52	S	6	0	30.09	-0.29	53	50	+5	S	3	O	*	og, d	58	48	*	-	
	London (Brixton)...	30.33	52	SW	5	0	30.13	-0.26	53	51	+1	WSW	7	O	*	?, O, g	60	50	3.7	-	
	The Scaw (Skagen)	29.99	40	WNW	5	m	29.49	-0.05	46	46	+2	W	7	m	2	-	46	37	*	0.16	
	Fanö ...	30.20	39	SW	6	?	29.64	-0.02	42	42	0	SW	6	O	*	-	45	39	*	-	
SPAN. PEN.	Cuxhaven ...	30.39	42	W	3	?	30.01	-0.05	46	45	+7	SW	6	O	*	-	46	39	*	-	
	The Helder ...	30.35	41	SSW	2	?	30.04	-0.12	46	44	0	SW	7	O	5	-	48	41	*	-	
	Brussels ...	*	*	*	*	*	30.31	-0.13	50	44	+7	SW	6	O	*	-	50	43	*	-	
	Berlin ...	30.46	44	W	2	?	30.20	-0.05	40	39	+4	SSW	3	O	*	-	50	36	*	-	
	Frankfurt ...	30.59	45	SW	2	0	30.42	-0.05	41	37	+9	SW	4	C	*	-	48	32	*	-	
	Munich ...	30.72	41	?	?	?	30.59	-0.02	37	33	+2	SW	4	m	*	-	54	32	*	-	
	C. Gris Nez ...	30.44	47	SSW	5	f	30.22	-0.14	48	46	+1	SW	6	O	5	-	48	45	*	0.04	
	Brest ...	30.46	51	S	4	?	30.33	-0.19	51	50	+1	SSW	4	O	4	-	52	48	*	-	
	Lorient ...	30.55	50	S	4	0	30.43	-0.09	50	50	0	SW	4	O	5	-	55	48	*	-	
SPAN. PEN.	Rochefort ...	30.64	50	S	3	m	30.53	-0.13	44	41	+2	SSE	4	?	m	57	41	*	-		
	Biarritz ...	30.72	55	Z	0	?	30.63	-0.09	49	46	+4	S	1	m	5	-	57	43	*	-	
	Paris ...	30.65	50	SSW	3	0	30.52	-0.08	43	38	+7	SSW	2	C	*	-	51	36	*	-	
	Belfort ...	30.69	47	W	2	m	30.66	-0.01	44	37	+11	W	2	m	*	-	55	33	*	-	
	Lyons ...	30.76	49	NNW	1	?	30.74	-0.04	36	35	+3	NE	1	?	*	-	58	33	*	-	
SPAN. PEN.	Nice ...	30.60	45	Z	0	?	30.61	-0.04	41	37	0	E	1	?	1	-	54	37	*	-	
	Perpignan ...																				
	Corunna ...																				
SPAN. PEN.	Lisbon ...																				
	Azores (P. Delgada)	30.38	60	SE	4	m	30.42	+0.07	61	60	+3	SSW	4	f	3	-	64	58	*	-	
SPAN. PEN.	" (Horta) ...	30.34	59	SW	3	0	30.32	+0.06	60	59	+2	SSW	4	m	3	-	63	58	*	-	

Erratum:- The Bar. reading for London at 8 a.m. yesterday should read 30.39 ins.

* Observations for this column not generally received.

+ Observations received too late for insertion in Charts on next page.

WEATHER CHARTS

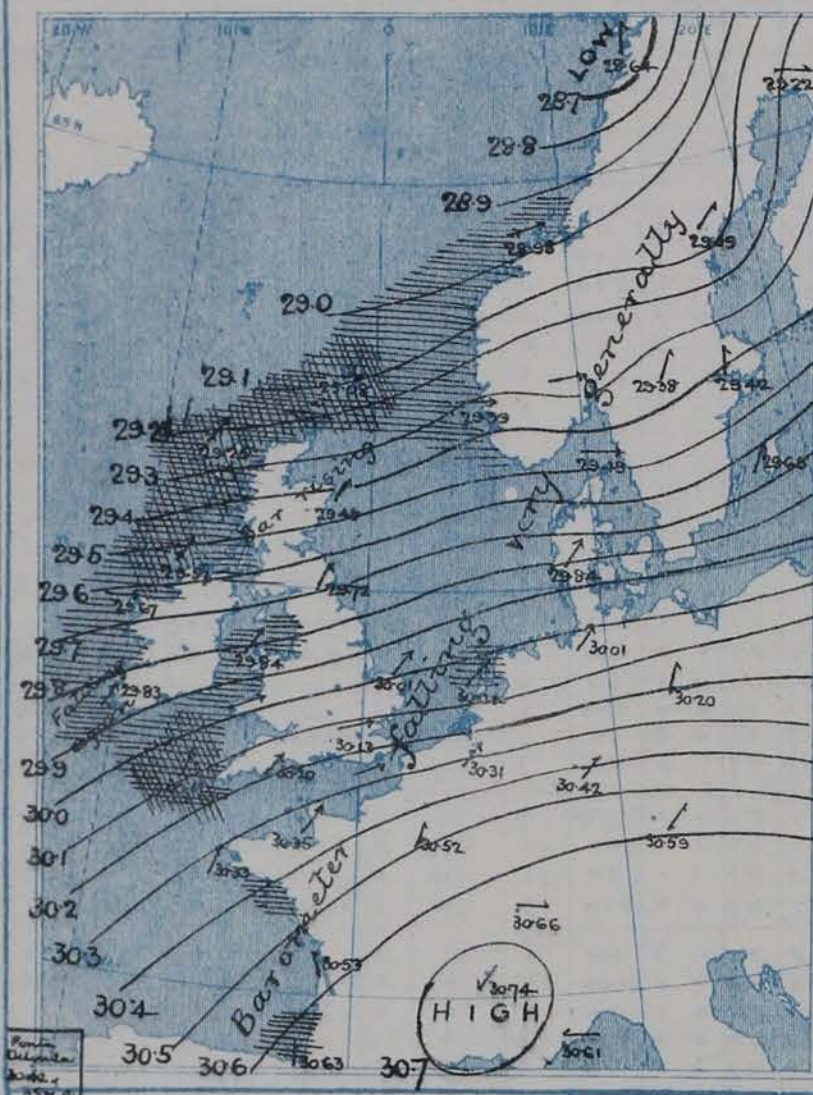
FOR SATURDAY, 21st FEBRUARY, 1903.

I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → → → Force 5 to 7 → → → } Calm ☉
Force 8 to 10 → → → Force 1 to 4 → → → }
SEA—Rough High



II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6



III BAROMETER AND WIND

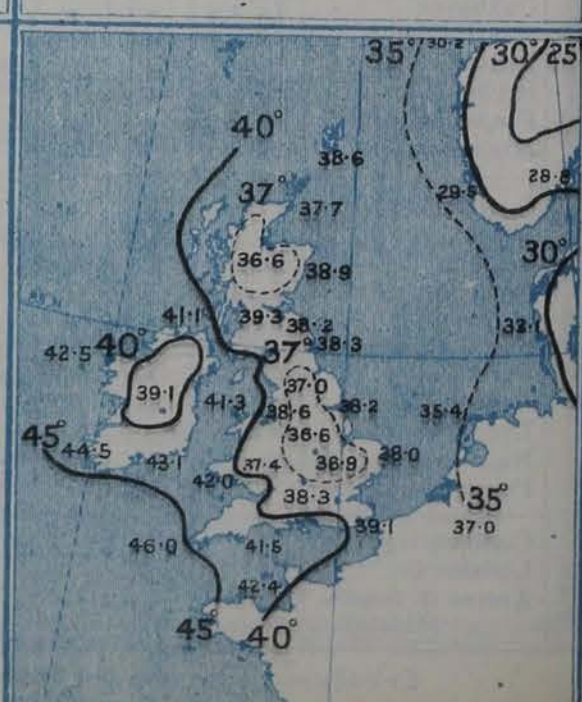
Yesterday morning.



IV Averages of DAILY MAXIMUM and MINIMUM TEMPERATURES combined for the month of FEBRUARY (1871-1900)



V. Means of DAILY TEMPERATURE at 8 A.M. for the monthly period FEBRUARY (1871-1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

Barometric pressure continues highest in an anticyclone over the southern parts of our area, while it is now lowest in the centre of a large and deep cyclonic disturbance which has reached Lreland from the westward. The readings range from 30.78 ins. at Lyons and 30.72 ins. at Biarritz to 29.38 ins. at Dunburgh Head, and to 28.80 ins. at Haparanda. The barometer is rising again over the United Kingdom generally, but at Valencia the rise has ceased since 4 am. Gradients are still rather steep over all the more northern regions.

WIND

The wind has veered to the westward over northwestern Europe as a whole but remains S³ or SW³ on our extreme west and southwest coasts. It blows a moderate gale in the northern districts of Ireland and Scotland, a fresh gale in Denmark, and a strong gale at Christiansund.

TEMPERATURE

Temperature has risen in the south and east of England and in most parts of the continent, fallen again in the west and north of our Islands. It ranges from 52° in London and at Falmouth and 49° on our south coasts to 46° at Shields and to 39° or 38° at most Scotch stations. The continental values range from 50° at Brest to 45° at Biarritz and Stockholm, 36° at Paris and Berlin, 34° at Haparanda and Perpignan, and to 33° at Lyons and Belfast.

WEATHER

The weather is fair over the major portion of our area, but overcast in the south of Ireland, in the Hebrides, and at most Danish and Scandinavian stations. Rain is falling at Christiansund, Skagen, and Fano, and hail showers at Stornoway.

AND

The sea is very high in the Mincks, rough in the north generally, and rather so on several parts of our west and southwest coasts and also at the Helder.

SEA

The maximum temperatures recorded over our Islands yesterday were very high for the season; at Oxford and also at Bath there was a reading of 59° and in London the value was but one degree lower, while readings of 57° occurred in many parts of the Kingdom. Rain was rather general in the west and north but the fall was slight except at some extreme northern and northwestern stations — at Christiansund there was 0.6 in., and at Stornoway 0.3 in. At the latter station lightning was observed. Bright sunshine was again very prevalent over the south and southeast of England.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The cessation of the baric rise at Valencia seems to indicate the approach of another disturbance which may be expected to cause a continuance of unsettled weather in the western and northwestern districts. Our more southern and eastern districts will probably remain chiefly under the influence of the anticyclone and still experience fair, dry weather.

FORECASTS *

For the 24 hours ending at NOON on 21st FEBRUARY. 1903

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	W ³ winds, strong, backing later to SW. or S; changeable, some showers. Becoming milder again.
1	SCOTLAND EAST	W ³ or SW ³ to W ³ winds, moderate or fresh; fair generally. Milder later.
2	ENGLAND N.E.	
3	ENGLAND EAST	W ³ to SW ³ winds, moderate or fresh; fair. Mild.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as No. 0.
7	ENGLAND N.W.	SW ³ or S ³ winds, strong in places; fair at first, probably some rain by to-morrow. Mild.
8	ENGLAND S.W.	
9	IRELAND NORTH	Fresh or strong winds between S. and W; mild, unsettled, some rain.
10	IRELAND SOUTH	
WARNINGS		The South Cone is still flying in districts 0 to 2, 6, 7, 9, 10 and part of 8.

Note.—The South Cone, point downwards (∇), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
The North Cone, point upwards (∇), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

* For terms for transmission of Forecasts by Telegraph, see next page.

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.																	
TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.					THIS MORNING 8 A.M.					PAST 24 HOURS.						
	Bar. Ins.	Temp.	Wind.	Weather.	Barometer.		Temperature			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.		
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	8c	*	8, 8c	50	41	8.5	-
Newton Reigny (Penrith)	29.83	49	SSW 6	7	30.14	+ .14	44	42	- 5	W 7	0	*	0gr	52	38	0.0	0.32
Bath	30.24	52	S 5	0	30.38	+ .04	50	47	+ 2	W 4	0	*	-	59	48	4.5	0.01

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m....	54	39	0, c	0.2	-	Eastbourne	*	*	*	8.2	*
Rhyl <i>Not received.</i>	*	*	*	?	*	Hastings	*	*	*	7.7	*
Llandudno	*	*	*	0.2	*	Lowestoft, to 6 p.m. ...	54	35	8c, 8	5.3	-
Aberystwyth, to 6 p.m. ...	53	48	0c	3.0	-	Harrogate, to 6 p.m. ...	54	38	0W, 8, 0	1.6	-
Plymouth, to 9 p.m....	53	48	0, 8	6.3	-	Manchester, to 9 p.m. ...	54	40	8c, 8c, 9	0.5	-
Worthing	*	*	*	5.9	*	Darwen, to 9 p.m. ...	51	34	0m, 0g	0.0	-
Brighton	*	*	*	5.7	*	Birmingham, to 9 p.m. ...	58	39	c	0.7	-

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 19 Feb. 1903.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.		
	Max. °	Min. °				Max. °	Min. °				
Utrecht	43	28	b	c	-	Tunis	48	41	0	0	-
Madrid	52	25	b	b	-	Algiers	59	45	c	b	-
Vienna	37	34	0	0	-	Madeira (Funchal) <i>Not rec'd.</i>					
St. Petersburg	12	- 2	b	3	0.04						
Trieste	43	30	0	b	-						
Florence	50	28	b	b	-						
Rome	51	37	b	b	-						
Corsica (I. Sanguinaires) ...	57	45	f	f	-						
Naples	46	36	b	b	-						
Palermo	48	49	b	2	-						
Malta	50	49	p	m	-						

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. ‡ (W.E.T.)	6 p.m. ‡
Holland	8 a.m. (" ")	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Point Delgada ...	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
{ Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

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

20 Feb. 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	7. 2	12. 7	5. 12
Greenwich	7. 7	12. 14	5. 21
Wick	7. 35	12. 26	5. 17
Valencia	7. 49	12. 55	6. 1

SUBSCRIPTIONS both for the Daily and Weekly Weather Reports

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on SUNDAY 22nd FEBRUARY.

1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Temp.		Sun- shine. Hours.	Rainfall. Ins.	
At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)	Max.	Min.									
Ins.	°			Ins.	Ins.	°															
SCANDINAVIA.	Haparanda ...	28.62	30	SW	4	o	28.53	-6.9	24	23	-4	NW	2	c	*	-	32	24	*	0.04	
	Hernösand ...	28.91	31	Z	0	b	28.76	-3.3	31	28	-4	S	2	o	*	-	45	30	*	-	
	Stockholm ...	29.15	42	SW	4	c	29.09	-3.3	38	34	+1	W	8	b	*	-	48	36	*	-	
	Wisby ...	29.38	40	SW	4	o	29.28	-3.7	37	35	0	SW	4	b	*	-	43	36	*	-	
	Karlstad ...	29.19	40	WSW	2	bc	29.20	-1.8	38	34	-2	W	8	b	*	-	*	*	*	-	
	Færder (X'iania Fjord)	29.21	41	SW	5	bc	29.27	-0.3	39	37	-2	WSW	8	b	4	-	41	37	*	-	
	Bodö ...	28.41	35	SW	7	o	28.32	-3.2	34	32	-3	SE	2	bc	2	-	39	34	*	-	
	Christiansund ...	28.74	39	WSW	10	+	28.77	-2.1	39	36	-3	W	9	+	7	-	46	37	*	0.28	
	Skudesnaes ...	29.24	42	W	10	c	29.43	+0.4	41	38	-1	W	10	c	8	c	45	36	*	*	
BRITISH ISLANDS.	Sumburgh Head	28.97	38	W	7	ohp	29.31	+2.3	40	38	0	W	7	cp	7	52, ohp	41	33	*	0.23	
	Stornoway ...	29.30	40	WNW	7	oq	29.52	+2.7	39	37	-1	WSW	6	o	7	o, oq, hpl	44	34	4.5	0.31	
	Malin Head ...	29.62	39	WNW	4	bc, l, hq	29.64	+0.7	42	42	-3	S	6	o	5	bc, l, hq	45	38	*	0.24	
	Blacksod Pt. ...	29.81	44	W	6	bc, qm	29.56	-1.1	44	42	-3	SE	5	rm	4	bc, qm	49	44	*	0.19	
	Valencia ...	30.04	49	SW	6	bc	29.66	-1.7	53	52	+3	S	6	om	6	bc, p, bc	53	46	3.3	0.43	
	Roche's Point ...	30.07	49	W	5	b	29.78	-1.2	51	50	0	SSW	6	otm	5	b, f	52	46	*	0.33	
	Parsonstown ...	29.94	44	SW	4	+	29.71	-0.7	44	43	-5	SE	2	ot	*	o, p, t	49	42	2.1	0.54	
	Donaghadee ...	29.75	43	W	4	bc, qm	29.78	+0.8	45	43	-2	SW	3	op	3	bc, qm, l	47	40	*	0.15	
	Liverpool Obsy.	29.90	45	W	7	bc	29.92	+0.7	45	43	-6	SW	3	o	5	ot, bc	53	43	*	0.26	
GERMANY, &c.	Holyhead ...	29.89	46	WNW	7	bc, qm	29.88	+0.4	46	45	-3	SW	4	rgm	3	r, bc, qm	49	43	*	0.52	
	Pembroke (St. Ann's)	30.06	49	SW	7	b	29.90	-0.9	48	48	-1	SSW	7	ou	6	b, r, q, l	51	46	1.2	0.06	
	Scilly (St. Mary's)...	30.18	52	WNW	5	o	29.97	-0.4	51	51	0	SSW	7	f	7	m, o	55	49	0.0	0.01	
	Jersey (St. Aubins)...	30.28	52	WSW	7	odp	30.24	-1.1	51	50	-1	SSW	5	o	4	o, odp	55	48	0.0	0.01	
	Portland Bill ...	30.10	50	WNW	6	rg	30.12	-0.8	48	48	-2	SSW	4	f	3	o, r, q	51	48	*	0.01	
	Dungeness ...	30.00	50	WSW	8	o	30.19	-0.1	48	48	-3	WSW	4	ou	3	o	54	45	*	-	
	Wick ...	29.24	40	NW	6	o	29.49	+2.1	38	36	+3	NW	4	bc	2	-	40	33	*	0.08	
	Nairn ...	29.37	37	W	3	o	29.59	+2.3	37	36	-3	W	1	bc, s	1	o, t, s	44	34	*	0.19	
	Aberdeen ...	29.42	40	SW	4	b	29.68	+2.3	37	35	-6	SW	3	bc	2	c, b	48	36	3.4	-	
FRANCE.	Leith ...	29.56	40	W	3	b	29.72	+1.4	42	40	-6	SW	2	p	*	-	48	37	*	0.33	
	North Shields ...	29.60	45	SW	4	c	29.83	+1.1	43	41	-8	SW	3	o	2	r, c, l, hq	53	39	*	0.15	
	Spurn Head ...	29.77	46	WSW	6	bc	29.98	+1.2	45	43	-8	SSW	5	o	3	-	55	41	*	0.13	
	Yarmouth ...	29.78	56	WSW	6	oq	30.08	+0.7	44	42	-11	SW	4	c	3	c, oq	57	39	*	0.04	
	Loughborough ...													*							
	Oxford ...	30.12	46	W	3	b	30.08	-0.1	45	44	-8	S	2	o	*	o, p, q, b	56	43	*	0.01	
	London (Brixton)...	30.00	54	W	7	cp	30.12	-0.1	47	45	-6	WSW	2	o	*	oq, cp	57	44	0.0	0.04	
	The Scaw (Skagen)	29.33	42	W	4	+	29.42	-0.7	40	40	-6	WNW	8	m	3	-	46	36	*	0.08	
	Fanö ...	29.58	39	WSW	6	o	29.83	-0.1	40	39	-2	W	6	c	*	-	43	37	*	0.55	
SPAN. PEN.	Cuxhaven ...	29.75	49	SW	6	o	30.01	0.0	42	40	-4	WSW	5	b	*	-	50	41	*	-	
	The Helder ...	29.74	47	SW	8	c	30.11	+0.7	43	43	-3	WSW	4	o	5	-	48	43	*	0.04	
	Brussels ...	*	*	*	*	*	30.30	-0.1	44	43	-6	SW	3	o	*	-	58	42	*	-	
	Berlin ...	29.90	49	SW	3	o	30.08	-1.2	43	40	+3	W	5	c	*	-	55	40	*	-	
	Frankfurt ...	30.16	56	SW	6	o	30.29	-1.3	48	45	+7	SW	4	o	*	-	55	41	*	-	
	Munich ...	30.42	50	SW	4	o	30.38	-2.1	50	44	+13	SW	4	c	*	-	59	37	*	-	
	C. Gris Nez ...	30.44	50	SW	7	c	30.21	-0.1	45	45	-3	SW	5	o	5	-	52	43	*	-	
	Brest ...	30.36	51	WSW	4	f	30.24	-0.9	51	51	0	SW	4	f	4	-	52	50	*	0.04	
	Lorient ...	30.35	50	SW	5	m	30.32	-1.1	50	50	0	SW	5	m	5	-	55	48	*	-	
SPAN. PEN.	Rochefort ...	30.47	54	SW	3	o	30.42	-1.1	50	50	+6	SW	3	o	*	b, o	57	41	*	-	
	Biarritz ...	30.63	60	SSE	1	o	30.53	-1.0	52	50	+3	Z	0	m	5	-	68	49	*	-	
	Paris ...	30.31	59	SW	5	o	30.38	-1.4	49	47	+6	SSW	3	o	*	-	61	43	*	-	
	Belfort ...	30.45	54	W	2	m	30.43	-2.3	48	42	+4	W	3	o	*	-	60	44	*	-	
	Lyons ...	30.61	54	SE	1	o	30.53	-2.1	49	43	+13	WSW	1	o	*	-	58	36	*	-	
	Nice ...	30.54	49	E	1	b	30.44	-1.7	47	44	+6	Z	0	b	1	-	61	41	*	-	
	Perpignan ...	30.56	54	NE	1	b	30.50	-1.2	46	41	+2	W	1	m	*	-	70	43	*	-	
	Cerunna ...	30.54	68	SSW	3	o	30.47	-1.1	59	54	+4	S	1	o	5	-	70	52	*	-	
	Lisbon ...	30.62	59	NNW	3	b	30.59	-1.1	47	45	-2	N	3	b	*	-	66	46	*	-	
Azores (P. Delgada)	30.43	60	SSW	4	f	30.43	+0.1	57	55	-4	NNW	5	o	3	-	63	57	*	0.02		
" (Horta) ...	30.32	61	SW	4	f	30.48	+1.6	54	49	-6	Z	0	b	2	-	63	54	*	0.12		

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.

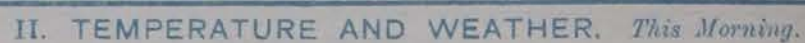
FOR SUNDAY, 22nd FEBRUARY, 1903.

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 \rightarrow : Force 5 to 7 \rightarrow :)

Force 8 to 10 \longrightarrow Force 1 to 4 \longrightarrow } Calm ☉
SEA — Rough High



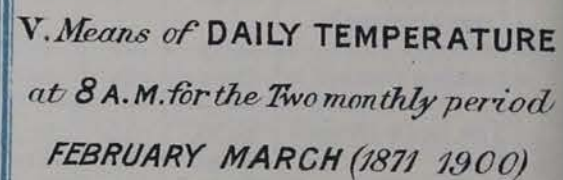
TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus .06



Yesterday morning.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Large and deep cyclonic disturbances continue to spread over the United Kingdom as they travel northwards to Scandinavia, while the anticyclone in the extreme south undergoes very little diminution of energy. The barometer at present ranges from above 30.7 ins. over the southeast of France to 29.08 ins. at Lumburg Head and to 28.64 ins. at Bodø. A recovery of pressure is in progress at our northeastern stations but a fresh decrease has set in during the night on our extreme southwest coasts. Gradients are steep or rather so over all the more northern parts of our area.

WIND

The wind continues SW^{ly} generally, but draws into W. on our most northern coasts and in the south-west of Norway and into S. in the south of Sweden. It is fresh or strong in force except in the immediate neighbourhood of the anticyclone and in the west of Norway; on our own northwestern coasts it still blows a fresh gale.

TEMPERATURE

Temperature remains above the normal. In most parts of our Islands it is a little above or slightly below 50°, the highest reading being 56° at Yarmouth. In the north of Scotland, however, it is several degrees lower; at Wick it is only 35°. Over the continental portion of our area the readings range from 51° at Brest and 49° at Biarritz to 40° at Berlin, 37° at Stockholm, and 28° at Staparanda.

WEATHER

The sky has become cloudy or overcast in nearly all localities; at Liverpool, Pembroke, over the south and east of Ireland, and at Christiansund rain is falling.

AND

SEA

The sea is high or rough except off our east coast.

Maximum temperatures of 50° or above were recorded yesterday at nearly all our stations; at Bath and Clacton-on-Sea the reading was 57°, at Oxford 58°, and in London 60°. A considerable amount of bright sunshine was again recorded in most English localities. Rain fell except at some of our southern and eastern stations, the fall being again heavy in the Hebrides, where, also, lightning was again observed. In most continental regions the weather was dry, but some rain was experienced in various parts of Scandinavia as well as at Cape Gris Nez.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT


There are no indications of any early change from the conditions now prevalent. The fresh fall of the barometer on our southwest coasts probably points to the approach of another disturbance which will cause a renewal of the gales in the west and south, and an extension of the rain to our southern and southeastern counties.

FORECASTS *


For the 24 hours ending at NOON on 22nd FEBRUARY 1903

DISTRICTS.


FORECASTS.

0  SCOTLAND NORTH


Strong winds or gales from between S. and W; squally, some rain.

1  SCOTLAND EAST


S^{ly} and SW^{ly} winds fresh or strong in places; cloudy or dull, some rain. Mild.

2  ENGLAND N.E.


Same as No. 5.

3  ENGLAND EAST

S^{ly} or SW^{ly} to W^{ly} winds, strong in places; cloudy or dull, some rain. Mild.

4  MIDLAND COUNTIES

SW^{ly} to W^{ly} winds fresh or strong, perhaps a gale; cloudy or dull, some rain. Mild.


5  ENGLAND SOUTH


DISTRICTS.

FORECASTS.


6  SCOTLAND WEST

Same as No. 0.

7  ENGLAND N.W.

8  ENGLAND S.W.



Strong winds or gales from S. and S.W. to W; squally, rain at times. Mild.

9  IRELAND NORTH

10  IRELAND SOUTH

At 3.15 pm. yesterday to Dists. 3, 5 and 8 "Hoist South Cone," and to Dists. 0, 6, and part of 9, "Keep up South Cone." At 9.30 am. today to Dists. 7, 10 and part of 8, "Keep up South Cone." The Signals are now flying except in District 1.

WARNINGS

Note.—The South Cone, point downwards (), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
The North Cone, point upwards (), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

* For terms for transmission of Forecasts by Telegraph, see next page.

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.					THIS MORNING 8 A.M.					PAST 24 HOURS.							
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.	
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.			
Clacton-on-Sea	"	"	"	"	"	"	"	"	"	"	"	"	"	3.0	57	46	7.5	-
Newton Reigny (Penrith)	29.92	49	S 6	0	29.74	- .40	48	46	+ 4	SW	6	0	"	3.079	52	43	7.2	0.37
Bath	30.31	53	S 7	0	30.11	- .27	54	51	+ 4	SW	6	0	"	-	57	49	8.5	-

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m....	55	46	op, 3, c, o	7.0	0.03	Eastbourne	*	*	*	0.0	*
Rhyl	*	*	*	5.5	*	Hastings	*	*	*	0.4	*
Llandudno	*	*	*	6.2	*	Lowestoft, to 6 p.m. ...	57	43	3c, om	4.5	—
Aberystwyth, to 6 p.m. ...	55	46	3c	4.0	—	Harrogate, to 6 p.m. ...	52	44	03rc, 3vc	5.1	0.08
Plymouth, to 9 p.m....	52	49	og, opd	0.0	0.02	Manchester, to 9 p.m. ...	54	46	3, 3c, cpg	6.0	0.02
Worthing	*	*	*	0.8	*	Darwen, to 9 p.m. ...	51	41	orge3, ov	0.0	0.10
Brighton	*	*	*	0.0	*	Birmingham, to 9 p.m. ...	54	47	3, c, d	4.2	—

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 20 Feb. 1903.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max. °	Min. °				Max. °	Min. °		
Utrecht	50	32	b o	Ins.	Tunis	54	41	c c	Ins.
Madrid	61	28	b b	—	Algiers	59	46	b b	—
Vienna	46	32	b o	—	Madeira (Funchal)	68	57	b o	—
St. Petersburg	23	-2	s o	0-12					
Trieste	48	37	b bc	—					
Florence	57	31	b b	—	19 Feb. 1903.	1 p.m.		1 p.m.	Measured 7 a.m.
Rome	55	35	b b	—					
Corsica (I. Sanguinaire) ...	55	43	f c	—	Lugano	46	—	b	—
Naples	56	42	b b	—	Davos	39	—	b	—
Palermo	56	38	b o	—	Lucerne	41	—	b	—
Malta	55	49	? o	—	Lausanne	43	—	b	—

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.					TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.							
COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.	21 Feb., 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.				
British Isles, Belgium† ...	8 a.m.(West European)	8 a.m.	6 p.m.‡ (W.E.T.)	6 p.m.‡	Yarmouth	7.0	12.7	5.14				
Holland	8 a.m.(„ „)	8 a.m.	7 p.m. (W.E.T.)	7 p.m.								
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.					Greenwich	7.5	12.14	5.23
France	7 a.m. (Paris) ...	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.					Wick	7.32	12.26	5.20
Spain	8 a.m.(West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.	Valencia	7.47	12.55	6.3				
Portugal	8 a.m. (Lisbon) ...	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.								
Azores { Point Delgada ...	6 a.m. (Local) ...	7.43 a.m.	9 p.m. (Local)	10.43 p.m.								
{ Horta	6 a.m. (Local) ...	7.55 a.m.	9 p.m. (Local)	10.55 p.m.								

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" Weekly " "

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† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on

MONDAY 23RD FEBRUARY

1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Temp.		Shin- shine. Hours.	Rainfall. Ins.	
At 82° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	At 82° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)	Max.	Min.									
Ins.	°			Ins.	Ins.	°															
SCANDINAVIA.	Haparanda ...	28.55	24	SW	4	0	28.70	+17	17	16	-7	W	2	b	*	-	30	17	*	-	
	Hernösand ...	28.96	38	W	6	b	28.99	+23	25	22	-6	Z	0	bc	*	-	45	18	*	-	
	Stockholm ...	29.32	40	WSW	6	b	29.11	+02	34	33	-4	S	2	S	*	-	43	34	*	-	
	Wisby ...	29.15	36	SW	4	b	29.18	-10	33	33	-4	S	2	S	*	-	43	32	*	0.36	
	Karlstad ...	29.41	36	W	6	b	28.92	-28	35	34	-3	SW	2	o	*	-	*	*	*	0.28	
	Färder (X'ania Fjord)	29.43	39	WSW	6	b	28.87	-40	40	39	+1	SW	7	o	4	-	41	36	*	0.20	
	Bodö ...	28.59	37	WSW	4	c	28.76	+44	36	35	+2	NE	4	bc	2	-	37	34	*	-	
	Christiansund ...	29.20	35	W	7	S	28.81	+04	34	32	+5	E	3	c	5	-	39	32	*	0.16	
	Skudesnaes ...	29.45	41	SW	6	bc	28.86	-57	42	40	+1	W	9	o	8	b, bc	43	36	*	*	
BRITISH ISLANDS.	Sumburgh Head	29.28	39	W	3	c	28.58	-73	40	38	0	N	4	t	7	o, c	43	36	*	0.20	
	Stornoway ...	28.88	40	ESE	8	t	28.94	-58	39	37	0	WSW	6	o	6	o, t	47	34	0.0	0.38	
	Malin Head ...	29.10	46	WSW	9	cq	29.21	-43	39	36	-3	WNW	8	chg	7	o, c, q, l	50	36	*	0.16	
	Blacksod Pt. ...	29.32	45	WSW	8	bcq, hp	29.39	-17	37	36	-7	WNW	7	cq, hp, m	6	bcq, hp, l	52	33	*	0.30	
	Valencia ...	29.58	48	WSW	7	c	29.63	-03	41	36	-12	WSW	8	cu	6	o, c, h, q	54	35	0.0	0.13	
	Roche's Point ...	29.61	49	WSW	5	om	29.66	-12	37	36	-14	W	5	bcq	4	o, f, om	52	36	*	0.04	
	Parsonstown ...	29.49	45	W	6	t	29.53	-18	33	32	-11	SW	3	c	*	o, p, ts	56	32	0.0	0.17	
	Donaghadee ...	29.34	50	SW	5	c	29.39	-39	35	34	-10	WSW	3	bc	3	c, q, l	55	34	*	0.02	
	Liverpool Obsy.	29.51	51	WSW	5	op	29.54	-38	40	36	-5	WSW	6	b	5	op	54	39	*	0.22	
GERMANY, &c.	Holyhead ...	29.50	50	SW	8	q, f	29.57	-31	40	37	-6	WSW	7	bcq	6	o, q, f	50	37	*	0.18	
	Pembroke (St. Ann's)	29.61	50	WSW	7	m	29.64	-26	41	40	-7	W	7	oq, p	6	m, q, p, l	50	41	0.0	0.15	
	Scilly (St. Mary's)...	29.73	53	SSW	8	m	29.79	-18	49	47	-2	W	7	cq	7	f, m, l	55	47	0.0	0.07	
	Jersey (St. Aubins)...	30.04	53	SW	5	o	29.93	-31	46	44	-5	WSW	6	o	5	o, f, o, q, p	54	45	0.0	0.12	
	Portland Bill ...	29.86	50	WSW	6	rm	29.79	-33	47	43	-1	W	5	c	5	f, t, m	51	45	*	0.28	
	Dungeness ...	29.90	50	WSW	6	o	29.75	-44	46	45	-2	W	6	c	5	o	51	45	*	0.09	
	Wick ...	29.10	38	NW	6	o	28.86	-63	37	36	-1	NNW	4	c	3	o, ts, p	40	30	*	0.05	
	Nairn ...	29.05	41	WSW	1	bc	28.96	-63	38	35	+1	W	2	c	1	-	45	37	*	0.09	
	Aberdeen ...	29.19	42	SSE	4	t	29.03	-65	39	34	+2	SW	4	b	2	-	46	37	1.6	0.05	
FRANCE.	Leith ...	29.23	47	SSW	3	o	29.21	-51	38	36	-4	WSW	4	bc	*	o, ts	53	34	*	0.11	
	North Shields ...	29.39	51	SW	3	o	29.34	-49	40	38	-3	SW	3	b	2	o, op	52	38	*	0.04	
	Spurn Head ...	29.56	50	SW	5	bc	29.48	-50	42	40	-3	SW	6	c	3	-	52	40	*	0.07	
	Yarmouth ...	29.73	53	SW	5	od	29.64	-44	46	42	+2	WSW	5	c	4	o, od	56	41	*	0.05	
	Loughborough ...													*							
	Oxford ...	29.69	54	WSW	7	o	29.71	-37	43	40	-2	SW	3	o	*	oq, t	54	43	*	0.06	
	London (Brixton)...	29.83	53	WSW	7	oq	29.73	-34	45	42	-2	WSW	6	o	*	od, o, t, q	55	44	0.0	0.11	
	The Scaw (Skagen)	29.52	40	W	4	m	29.07	-35	42	41	+2	W	5	m	1	-	43	37	*	0.24	
	Fanö ...	29.50	42	SW	6	t	29.37	-46	42	40	+2	SW	6	o	*	-	43	39	*	0.24	
SPAN. PEN.	Cuxhaven ...	29.89	44	SW	1	o	29.54	-47	47	46	+5	WSW	6	t	2	o, t, q	50	42	*	0.35	
	The Helder ...	29.75	46	SW	7	o	29.59	-52	45	44	+2	SW	5	o	5	-	48	43	*	0.24	
	Brussels ...	*	*	*	*	*	29.83	-47	48	47	+4	WSW	4	t	*	-	55	43	*	-	
	Berlin ...	30.02	44	SW	2	o	29.67	-44	52	49	+9	SW	4	c	*	-	55	43	*	-	
	Frankfurt ...	30.08	54	SW	4	o	29.88	-41	54	45	+6	SW	4	c	*	-	55	48	*	-	
	Munich ...	30.30	51	SW	5	o	30.10	-28	49	47	-1	S	1	o	*	-	57	48	*	-	
	C. Gris Nez ...	29.93	48	SSW	6	f	29.98	-43	46	44	+1	SW	5	o	5	-	50	45	*	-	
	Brest ...	30.02	52	SSW	5	f	29.96	-28	47	44	-4	NW	4	o	5	-	52	45	*	0.04	
	Lorient ...	30.12	50	SW	5	m	30.00	-32	46	46	-4	W	5	o	5	-	55	45	*	0.04	
SPAN. PEN.	Rochefort ...	30.27	54	SSW	3	o	30.07	-25	50	50	0	W	3	o	*	o	59	46	*	-	
	Biarritz ...	30.37	66	SE	2	m	30.24	-29	55	55	+3	WSW	4	b	5	-	66	52	*	-	
	Paris ...	30.18	55	SW	3	o	29.94	-44	50	44	+1	SW	3	o	*	-	56	49	*	-	
	Belfort ...	30.27	56	WSW	7	o	30.04	-39	51	44	+3	WSW	4	m	*	-	58	48	*	-	
	Lyons ...	30.41	57	SW	1	bc	30.09	-42	49	40	0	S	1	o	*	-	69	49	*	-	
	Nice ...	30.34	48	Z	0	bc	30.30	-14	46	46	-1	Z	0	c	3	-	57	43	*	-	
	Perpignan ...	30.38	59	Z	0	b	30.13	-37	41	40	-5	SW	1	b	*	-	62	41	*	-	
	Corunna ...																				
	Lisbon ...	30.43	55	SW	3	b	30.38	-21	56	53	+7	N	3	f	*	-	66	49	*	-	
SPAN. PEN.	Azores (P. Delgada)																				
	„ (Horta) ...	30.70	48	NW	2	b	30.63	+15	48	44	-6	Z	0	b	2	-	61	46	*	-	

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.

FOR MONDAY, 23rd FEBRUARY, 1903.

BAROMETER.—Isobars are drawn for each tenth of an inch.

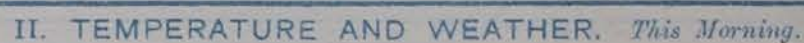
WIND.—Arrows show Directions and Force, flying with the wind.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 \Rightarrow

Force 5 to 7 \longrightarrow

610



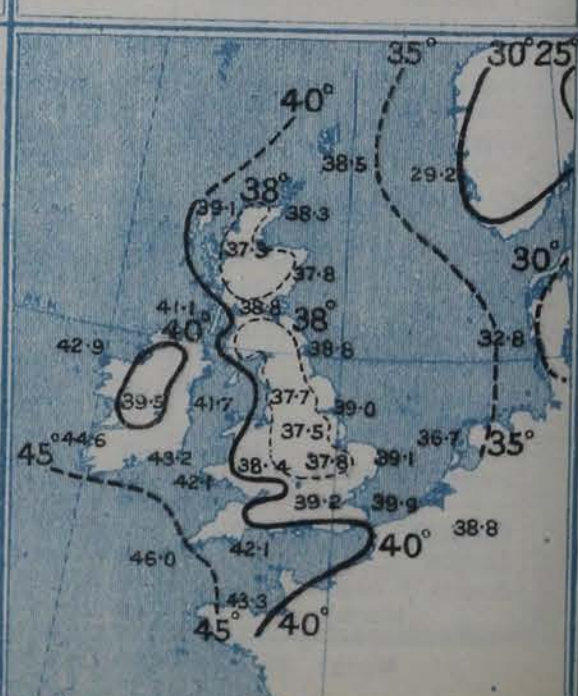
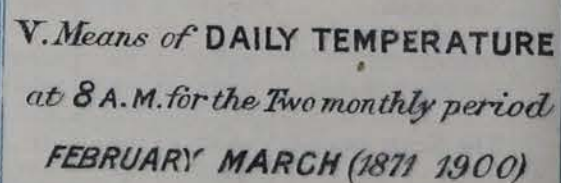
TEMPERATURE.—Isotherms are drawn for each 10° .

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus: .06



Yesterday morning.



GENERAL SITUATION AT 8 A.M.

PRESSURE

The Barometer remains highest, 30.5 ins. and upwards, over the Spanish peninsula and the South of France, and is very low, 28.4 ins. and less, in a cyclonic system with its centre over the extreme north of Norway, the gradients being steep over Scandinavia, Denmark, and the Baltic, and rather steep over western Europe generally. Over the northern and eastern parts of the United Kingdom, and on the eastern shores of the North Sea, the barometer is rising but on our western coasts it is falling again quickly.

WIND

The wind is S.W. over the greater part of our Islands, France, Germany and the Netherlands but is S. or S.E. in the west of Ireland; on our southwest coasts it blows with the force of a moderate gale. In Scandinavia and Denmark the wind is W., with a gale in many places.

TEMPERATURE

Temperature has fallen over northwestern Europe as a whole, but has risen in France and Germany. Over the southern parts of the United Kingdom the thermometer remains high, the readings being above 45° in most places and above 50° on our extreme southwest coasts; in the north of Scotland, however, the thermometer is below 40°, the lowest readings reported being 37° at Nairn and Aberdeen.

WEATHER

The weather is in a cloudy unsettled state generally, with fog in the western parts of the English Channel, and rain or passing showers at many of our western and northern stations. In the south of Scandinavia, however, the sky is clear.

AND

The sea is high off the north of Scotland and the west of Norway, as well as at the mouth of the English Channel, and rough or rather so on the west coasts of our Islands and France generally.

SEA

During yesterday the thermometer rose a little above 50° in the south of Ireland and slightly above 55° at several of the English stations; in many parts of France it exceeded 60°, the highest readings reported being 70° at Perpignan and 68° at Biarritz. An entire absence of Bright Sunshine was reported at most of the English stations but more than 3 hours were registered in Ireland and Scotland, and as much as 4.5 hrs. at Stornoway. Rain has fallen over northwestern Europe generally, and lightning was seen at night at several of our own northern stations.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS *

For the 24 hours ending at NOON on 23RD FEBRUARY. 1903

DISTRICTS.

FORECASTS.

- 0 ∇ { SCOTLAND NORTH
- 1 ∇ { SCOTLAND EAST
- 2 ∇ { ENGLAND N.E.
- 3 ∇ { ENGLAND EAST
- 4 { MIDLAND COUNTIES
- 5 ∇ { ENGLAND SOUTH

None issued.

DISTRICTS.

FORECASTS.

- 6 ∇ { SCOTLAND WEST
- 7 ∇ { ENGLAND N.W.
- 8 ∇ { ENGLAND S.W.
- 9 ∇ { IRELAND NORTH
- 10 ∇ { IRELAND SOUTH

None issued.

WARNINGS

At 7.25 p.m. yesterday to Dists. 1 and 2, "Hoist South Cone", and at 9.40 a.m. today to Dists. 0, 3, 5, 6, 8 and part of 9. "Keep up Cone". The signals are still flying on all coasts.

Note.—The South Cone, point downwards (∇), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
The North Cone, point upwards (∇), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

* For terms for transmission of Forecasts by Telegraph, see next page.

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.										THIS MORNING 8 A.M.				PAST 24 HOURS.			
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.	
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.			
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	0	*	C	55	42	0.0	-	
Newton Reigny (Penrith)												*						
Bath	30.03	48	S 5	†	30.02	-.09	48	47	-6	S 3	0	*	-	57	43	0.0	0.11	

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m....	54	44	0, c, bz	0.0	0.73	Eastbourne ... Not recd.	*	*	*		*
Rhyl Not recd.	*	*	*		*	Hastings	*	*	*	0.0	*
Llandudno	*	*	*	0.8	*	Lowestoft, to 6 p.m. Not recd.					
Aberystwyth, to 6 p.m. ...	52	46	0, c	1.0	0.22	Harrogate, to 6 p.m. ...	54	48	0, r, b	0.0	1.20
Plymouth, to 9 p.m....	53	48	u, dp	0.0	0.03	Manchester, to 9 p.m. ...	55	44	c, r, b	0.0	0.59
Worthing	*	*	*	0.0	*	Darwen, to 9 p.m. ...	52	40	0, 0, c	?	0.97
Brighton Not recd.	*	*	*		*	Birmingham, to 9 p.m. ...	54	44	0	0.0	0.01

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 2 ⁵ TH Feb. 1903.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max. °	Min. °				Max. °	Min. °		
Utrecht... ..	55	45	o, o	Ins.	Tunis	57	45	o, c	Ins.
Madrid	68	30	bc, b	—	Algiers	59	48	b, b	—
Vienna	57	39	b, bc	—	Madeira (Funchal)	68	52	b, b	—
St. Petersburg	37	25	s, b	0.24					
Trieste	48	37	b, b	—					
Florence	55	33	b, o	—	20 TH Feb. 1903.	1 p.m.		1 p.m.	Measured 7 a.m.
Rome	58	39	bc, o	—					
Corsica (I. Sanguinaires) ...	57	46	m, m	—	Lugano	52	—	b	—
Naples	56	43	b, c	—	Davos	45	—	c	—
Palermo	61	42	b, c	—	Lucerne	50	—	bc	—
Malta	55	51	bc	—	Lausanne	50	—	b	—

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. ‡ (W.E.T.)	6 p.m. ‡				
Holland	8 a.m. (" ")	8 a.m.	7 p.m. (W.E.T.)	7 p.m.	Yarmouth	6.58	12.7	5.16
Germany, Denmark, Norway, Sweden } ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Greenwich	7.3	12.14	5.25
France	7 a.m. (Paris) ...	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick	7.30	12.26	5.23
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.	Valencia	7.45	12.55	6.5
Portugal	8 a.m. (Lisbon) ...	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.				
Azores { Point Delgada ...	6 a.m. (Local) ...	7.43 a.m.	9 p.m. (Local)	10.43 p.m.				
{ Horta	6 a.m. (Local) ...	7.55 a.m.	9 p.m. (Local)	10.55 p.m.				

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DAILY WEATHER REPORT

for 8 a.m. on Tuesday 24th February 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.	YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.	TEMPERATURE.			WIND.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Temp.		Sun- shine. Hours.	Rainfall. Ins.		
	At 82° and M.S.L. Ins.	Dry Bulb. °	Direc.	Force (0 to 12.)		At 82° Fahr. and M. S. L. Ins.	Change since Yester- day. Ins.	Dry Bulb. °	Wet Bulb. °	Change since Yester- day. °					Max.	Min.				
SCANDINAVIA.	Haparanda ...	28.70	15	Z	0	f.	28.99	+29	5	3	-12	N	2	bc	25	5	*	-		
	Hernösand ...	28.80	29	Z	0	o	29.06	+07	23	21	-2	Z	0	bc	39	23	*	-		
	Stockholm ...	28.87	39	SW	6	bc	29.03	-08	35	34	+1	NW	6	o	41	32	*	0.35		
	Wisby ...	29.10	36	SW	6	b	29.08	-10	36	35	+3	SW	6	o	41	30	*	0.08		
	Karlstad ...	28.80	39	WSW	9	o	29.30	+38	32	28	-3	NW	2	b	*	*	*	-		
	Færder (X'iania Fjord)	28.75	39	WNW	10	c	29.40	+53	36	31	-4	WNW	4	b	41	36	*	-		
	Bodö ...	28.78	34	N	4	o	29.08	+32	31	29	-5	N	2	bc	37	30	*	-		
	Christiansund ...	28.84	32	E	3	bc	29.28	+47	35	33	+1	WSW	8	s	36	32	*	0.28		
	Skudesnaes ...	29.00	39	NW	7	o	29.51	+65	36	35	-6	WNW	4	c	42	34	*	*		
	Sumburgh Head	29.04	36	N	1	o	29.34	+76	39	36	-1	S	3	o	42	35	*	0.07		
BRITISH ISLANDS.	Stornoway ...	29.30	38	W	4	o	29.03	+09	42	40	+3	S	8	t	45	33	1.7	0.11		
	Malin Head ...	29.52	38	WNW	8	chg	28.98	-23	44	42	+5	SSW	9	oq	44	38	*	0.09		
	Blackod Pt. ...	29.66	40	W	6	bcghp	28.95	-44	49	48	+12	SSW	9	+q,m	49	36	*	0.41		
	Valencia ...	29.86	39	SW	4	bc	29.23	-40	49	48	+8	S	7	tm	50	37	2.3	0.36		
	Roche's Point ...	29.89	40	W	4	b	29.43	-23	49	48	+12	SSW	9	ouq	49	35	*	0.09		
	Parsonstown ...	29.78	37	W	2	b	29.28	-25	48	46	+15	S	7	otq	48	32	2.3	0.13		
	Donaghadee ...	29.61	36	NW	3	bcsp	29.38	-01	44	44	+9	SW	5	ogq	45	33	*	0.05		
	Liverpool Obsy.	29.69	39	W	8	b	29.68	+14	40	38	0	SSE	3	o	43	34	*	-		
	Holyhead ...	29.74	39	WNW	7	c	29.57	00	46	45	+6	SSW	8	dq	46	37	*	0.03		
	Pembroke (St. Ann's)	29.90	43	W	7	bc	29.69	+05	48	47	+7	SW	8	ogqpm	48	38	4.7	0.08		
GERMANY, &c.	Scilly (St. Mary's)...	29.98	45	W	7	c	29.79	00	49	47	0	SSW	8	o	49	40	4.3	0.03		
	Jersey (St. Aubins)...	30.06	44	W	6	bc	30.14	+21	45	43	-1	SSW	5	bcm	50	40	2.7	0.12		
	Portland Bill ...	29.92	42	WNW	6	cq	29.98	+19	45	44	-2	SW	6	cq	47	40	*	0.04		
	Dungeness ...	29.88	40	W	6	bcq	30.06	+31	45	44	-1	WSW	5	bc	49	38	*	-		
	Wick ...	29.19	39	NW	6	o	29.19	+33	40	38	+3	S	4	c	40	37	*	0.05		
	Nairn ...	29.30	35	WNW	1	bc	29.22	+26	38	36	0	ESE	3	ots	41	32	*	0.10		
	Aberdeen ...	29.27	38	W	6	bcq	29.44	+41	38	36	-1	S	4	o	42	32	4.8	-		
	Leith ...	29.37	37	W	3	c	29.40	+19	43	40	+5	S	3	rq	43	34	*	0.06		
	North Shields ...	29.46	38	SW	4	b	29.62	+28	37	36	-3	SW	3	o	45	35	*	-		
	Spurn Head ...	29.55	39	WSW	7	c	29.82	+34	36	35	-6	SW	4	bc	46	35	*	-		
FRANCE.	Yarmouth ...	29.67	42	W	6	bc	29.95	+31	36	34	-10	SW	5	bm	47	32	*	-		
	Loughborough ...																			
	Oxford ...	29.92	37	W	3	b	29.94	+23	39	37	-4	S	2	o	45	35	*	0.07		
	London (Brixton)...	29.83	41	WNW	6	b	30.00	+27	41	39	-4	SSW	5	c	48	34	1.9	0.05		
	The Scaw (Skagen)	29.04	39	W	8	m	29.40	+33	38	37	-4	NW	6	b	43	37	*	0.04		
	Fanö ...	29.40	37	WSW	10	o	29.75	+38	39	38	-3	W	9	o	43	34	*	0.16		
	Cuxhaven ...	29.58	43	WSW	5	o	29.89	+35	41	39	-6	W	5	b	48	37	*	0.08		
	The Helder ...	29.63	43	WSW	5	bc	30.00	+41	42	38	-3	WSW	3	b	46	39	*	-		
	Brussels ...	*	*	*	*	*	30.21	+38	36	35	-12	SSW	2	b	49	33	*	-		
	Berlin ...	29.69	46	W	3	o	29.86	+19	41	37	-11	W	6	o	59	39	*	0.08		
SPAN. PEN.	Frankfurt ...	29.91	47	N	6	bc	30.17	+29	39	34	-15	W	4	b	63	37	*	-		
	Munich ...	29.94	56	W	7	t	30.26	+16	33	33	-16	W	5	s	64	33	*	-		
	C. Gris Nez ...	29.85	45	W	7	o	30.09	+31	42	40	-4	SW	6	bc	48	36	*	-		
	Brest ...	30.14	46	NW	4	c	30.08	+12	49	45	+2	SW	5	o	50	41	*	-		
	Lorient ...	30.18	46	NW	6	c	30.17	+17	48	48	+2	SW	5	c	55	41	*	0.04		
	Rocheport ...	30.23	50	W	4	o	30.32	+25	43	43	-7	SSE	3	c	52	39	*	-		
	Biarritz ...	30.41	50	W	3	t	30.43	+19	46	45	-9	S	1	bc	55	45	*	0.08		
	Paris ...	30.08	48	WNW	4	c	30.30	+36	32	31	-18	S	2	b	56	31	*	-		
	Belfort ...	30.00	52	WSW	7	m	30.38	+34	34	32	-17	WSW	4	m	63	33	*	0.04		
	Lyons ...																			
SPAN. PEN.	Nice ...	30.16	48	SW	1	bc	30.08	-22	43	42	-3	E	1	b	59	41	*	-		
	Perpignan ...	30.19	58	NW	3	b	30.39	+26	48	42	+7	W	3	b	71	44	*	-		
SPAN. PEN.	Corunna ...																			
	Lisbon ...																			
SPAN. PEN.	Azores (P. Delgada)																			
	" (Horta) ...	30.34	57	SW	6	o	30.24	-39	56	52	+7	W	3	t	59	48	*	0.12		

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.

WEATHER CHARTS

FOR *Tuesday, 24th February, 1903.*

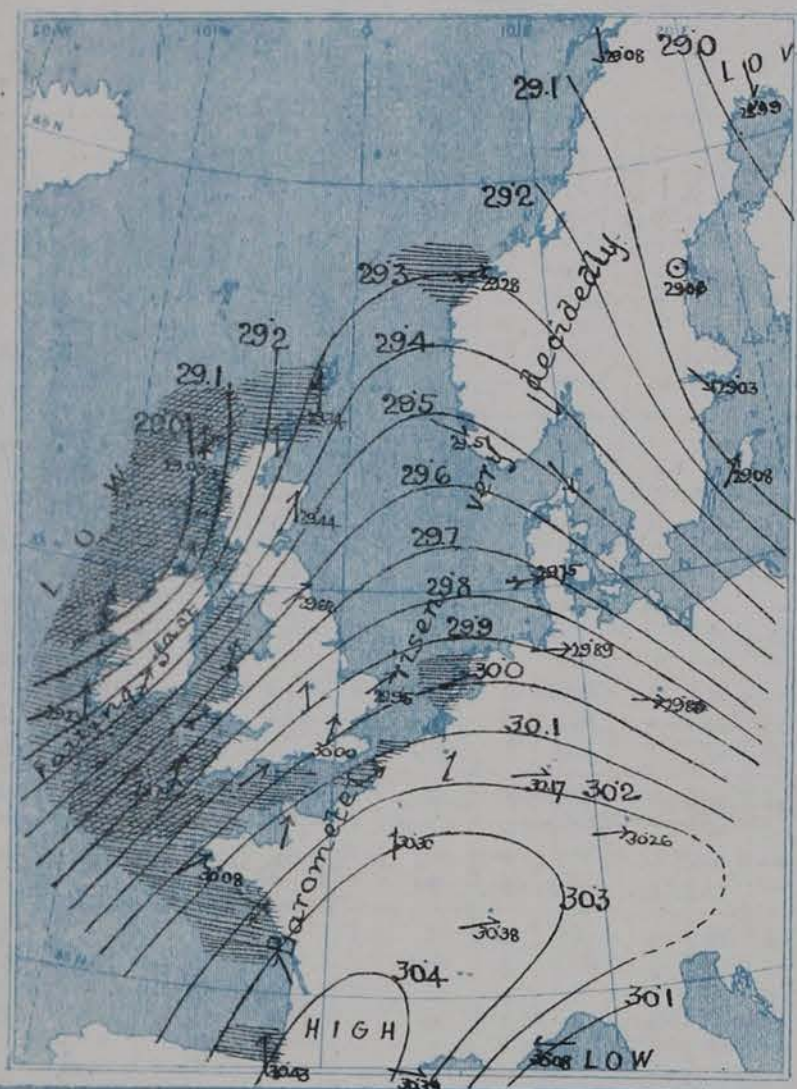
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → : Force 5 to 7 → : Calm ☉
Force 8 to 10 → : Force 1 to 4 →

SEA.—Rough  High 



II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus -- 0.6

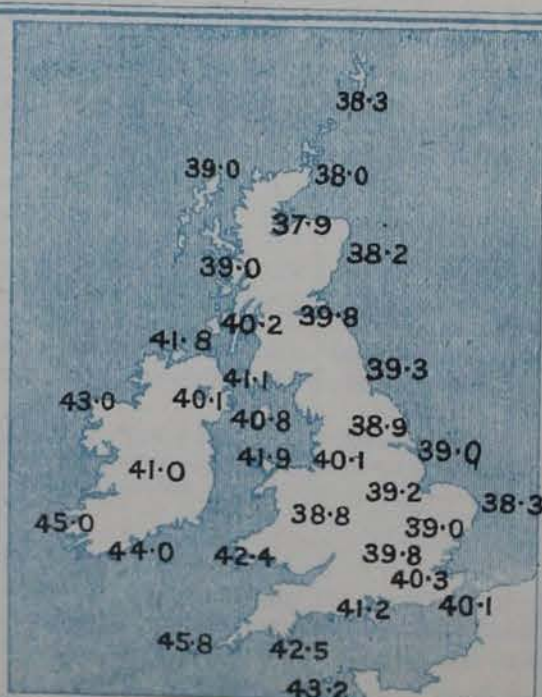


III. BAROMETER AND WIND

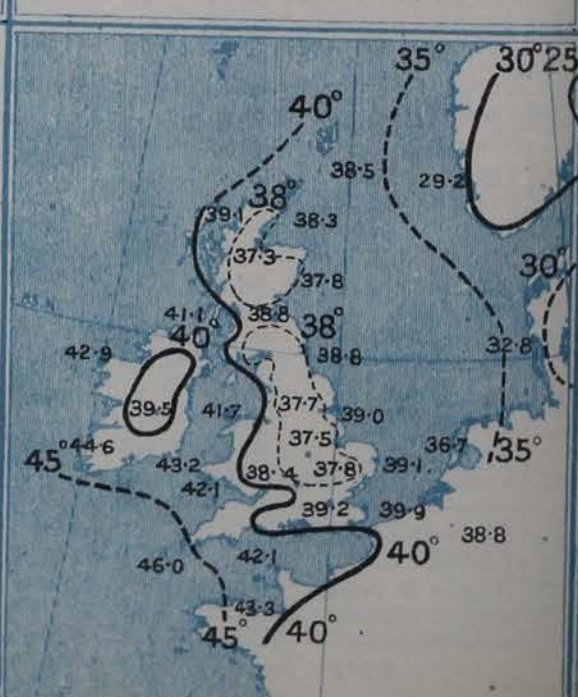
Yesterday morning.



IV. Averages of DAILY MAXIMUM and MINIMUM TEMPERATURES combined for the month of FEBRUARY (1871-1900)



V. Means of DAILY TEMPERATURE at 8 A.M. for the Two monthly period FEBRUARY MARCH (1871 1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The centre of a deep cyclonic system is travelling away to the north-eastward of the Shetlands at Lumburg Head. The barometer at 5 a.m. to-day fell to a minimum of 28.35 ins, and, although the mercury is now rising quickly, the readings in that neighbourhood are still below 28.6 ins. A less decided rise is in progress in most other parts of the United Kingdom, but in the western parts of the Continent the barometer is falling steadily. The highest readings, 30.13 in. and upwards, are reported over the Spanish peninsula, and the barometric gradients remain rather steep over north-western Europe generally; immediately to the southward of the northern minimum they are very steep.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind is W^{ly} or S.W^{ly} over the greater part of Western Europe, and blows strongly in many places, with a moderate to fresh gale on our own western coasts, as well as in the south of Norway. In the west of Norway the wind is E^{ly} or N.E^{ly}, while in Caithness and the Shetlands it draws into north or north-west. Temperature has fallen considerably in Ireland and to a less extent over England and the north of France, but has risen in most other regions. Over the greater part of England the readings are still above the average (at the Channel stations they are above 45°), but in Ireland, Scotland and the north-west of England they are now below the normal, the lowest readings reported being 33° at Parsonstown and 34° at Newton Reigmy (Perris). The weather is fine in the eastern parts of Great Britain, but is in a cloudy, unsettled state over Western Europe generally; showers are falling on our own western coasts, with hail in the north of Ireland, and snow at Newton Reigmy, as well as in the south of Sweden. The sea is high in the extreme north and also at the mouth of the Channel, and is rough or rather so on all but our east coasts.

During yesterday the thermometer rose to between 50° and 55° in most parts of the United Kingdom and to 56° at Yarmouth and Parsonstown. An entire absence of bright sunshine was registered at all stations from which such reports are usually received, excepting Aberdeen, where 1.6 hours was recorded. Rain fell generally, and lightning was seen at night on many parts of our western coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometric recovery in the rear of the northern disturbance has slackened considerably in the west. Fresh disturbances - probably of a secondary nature - are likely to appear over our Islands shortly, and unsettled weather is therefore still probable, with gales or very strong winds from S.W. or W. on many parts of our coasts.

FORECASTS *

For the 24 hours ending at NOON on 24th February, 1903

DISTRICTS.

FORECASTS.

0 M { SCOTLAND NORTH	N.W ^{ly} to S.W ^{ly} winds, increasing in force, squally, some rain.
1 M { SCOTLAND EAST	
2 M { ENGLAND N.E.	
3 M { ENGLAND EAST	
4 { MIDLAND COUNTIES	
5 M { ENGLAND SOUTH	S.W ^{ly} and W ^{ly} winds, strong, a gale in places; cool, changeable, some showers.

DISTRICTS.

FORECASTS.

6 M { SCOTLAND WEST	S.W ^{ly} and W ^{ly} winds, strong to a gale; squally, showery.
7 M { ENGLAND N.W.	
8 M { ENGLAND S.W.	
9 M { IRELAND NORTH	
10 M { IRELAND SOUTH	

WARNINGS

At 9.40 a.m. to-day to districts 7 and 10, "Keep up Cone". The signals are still flying on all coasts.

Note.—The South Cone, point downwards (∇), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.

The North Cone, point upwards (∇), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

* For terms for transmission of Forecasts by Telegraph, see next page.

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.					THIS MORNING 8 A.M.					PAST 24 HOURS.						
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet.	Change					Max.	Min.		
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	0	*	0	52	44	0.0	-
Newton Reigny (Penrith)	29.39	51	SW 6	0	29.36		34	33		WSW 5	shg	*	0 + shg	51	34	0.0	0.18
Bath	29.77	53	S 7	†	29.76	-26	40	38	-8	SB	†	*	-	56	35	0.0	0.17

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m.	52	44	cr. cl	0.0	0.39	Eastbourne	*	*	*	0.0	*
Rhyl	*	*	*	0.0	*	Hastings	*	*	*	0.0	*
Llandudno	*	*	*	0.0	*	Lowestoft, to 6 p.m. Not recd					
Aberystwyth, to 6 p.m. ...	50	45	0	0.0	0.15	Harrogate, to 6 p.m. ...	51	41	6, 0, †	0.0	0.25
Plymouth, to 9 p.m. Not recd						Manchester, to 9 p.m. ...	54	42	cr	0.0	0.46
Worthing	*	*	*	0.0	*	Darwen, to 9 p.m. ...	50	40	0, †	?	0.60
Brighton	*	*	*	0.0	*	Birmingham, to 9 p.m. ...	52	42	0, †	0.0	0.09

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 22 Feb. 1903.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Utrecht				Ins.	Tunis				Ins.
Madrid					Algiers				
Vienna					Madeira (Funchal) ...				
St. Petersburg									
Trieste									
Florence					21 Feb. 1903. 1 p.m.			1 p.m.	Measured 7 a.m.
Rome					Lugano	46	—	6	—
Corsica (I. Sanguinaires) ...					Davos	43	—	6	—
Naples					Lucerne	46	—	6	—
Palermo					Lausanne	50	—	6	—
Malta									

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.					TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.			
COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.	23 Feb. 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. ‡ (W.E.T.)	6 p.m. ‡	Yarmouth	6.56	12.7	5.18
Holland	8 a.m. (")	8 a.m.	7 p.m. (W.E.T.)	7 p.m.	Greenwich	7.1	12.14	5.27
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Wick	7.27	12.26	2.55
France	7 a.m. (Paris) ...	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Valencia	7.43	12.55	6.7
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.				
Portugal	8 a.m. (Lisbon) ...	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.				
Azores { Point Delgada ...	6 a.m. (Local) ...	7.43 a.m.	9 p.m. (Local)	10.43 p.m.				
{ Horta	6 a.m. (Local) ...	7.55 a.m.	9 p.m. (Local)	10.55 p.m.				

SUBSCRIPTIONS both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.

" Weekly " " " £1 10 0 " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom Sixpence in addition to the cost of the inquiry and reply Telegrams. Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on

WEDNESDAY 25th FEBRUARY.

1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		BAROM.		TEMP.		WIND.	BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9.)	Weather.	Temp.		Sun- shine. Hours.	Rainfall. Ins.	
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fabr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)				Max.	Min.			
																					Ins.	°	Ins.	°
SCANDINAVIA.	Haparanda ...	29.42	20	N	2	0	29.74	+7.5	-3	-4	-8	N	2	b	*	-	25	-3	*	-	
	Hernösand ...	29.62	24	Z	0	0	29.74	+6.8	14	13	-9	Z	0	f	*	-	34	14	*	-	
	Stockholm ...	29.69	34	W	2	0	29.82	+7.9	34	33	-1	SSE	2	t	*	-	39	32	*	-	
	Wisby ...	29.84	36	Z	0	0	29.91	+8.3	35	34	-1	S	2	c	*	-	37	30	*	-	
	Karlstad ...	29.76	34	W	2	0	29.63	+3.3	36	35	+4	SSE	6	t	*	-	*	*	*	0.04	
	Färder (X'ania Fjord)	29.69	39	SW	4	0	29.43	+0.3	40	39	+4	S	7	t	*	-	40	36	*	0.24	
	Bodö ...	29.51	32	W	4	0	29.32	+2.4	29	26	-2	ENE	7	o	2	-	34	27	*	-	
	Christiansund ...	29.43	35	SE	5	0	29.04	-2.4	42	37	+7	SE	2	c	4	-	43	32	*	0.16	
	Skudesnaes ...	29.44	41	S	10	0	29.28	-2.3	42	41	+6	S	8	o	6	o,t	42	36	*	*	
BRITISH ISLANDS.	Sumburgh Head	28.77	43	S	7	0	28.86	-4.8	40	37	+1	WSW	6	c	7	t	43	39	*	0.28	
	Stornoway ...	28.69	44	SW	7	0	28.82	-2.1	37	36	-5	WSW	6	op	7	ohg,o	48	33	0.0	0.50	
	Malin Head ...	28.89	39	SW	7	0	29.15	+1.7	36	35	-8	SSW	8	o	7	tg,rsng	45	35	*	0.18	
	Blacksod Pt. ...	28.93	44	SW	8	0	29.18	+2.3	40	37	-9	SSW	6	bc	5	hpq,tl	49	37	*	0.22	
	Valencia ...	29.21	44	SW	6	0	29.37	+1.4	41	39	-8	SW	5	o	6	op,c,hp	51	39	1.1	0.49	
	Roche's Point ...	29.28	47	W	5	0	29.46	+0.3	40	39	-9	W	3	c	5	rc,tl,sp	50	38	*	0.48	
	Parsonstown ...	29.17	41	W	5	0	29.38	+1.0	35	34	-13	SE	3	cts	*	otg,c,tl	49	33	0.0	0.40	
	Donaghadee ...	29.08	44	SSW	3	0	29.32	-0.6	36	35	-8	SSW	4	bc	3	c,tl	47	33	*	0.25	
	Liverpool Obsy. ...	29.32	44	SSW	6	0	29.54	-1.4	41	38	+1	SW	4	b	4	op,t	50	39	*	0.16	
	Holyhead ...	29.22	45	SSW	7	0	29.49	-0.8	43	40	-3	WSW	7	bc	6	chgm,tl	48	40	*	0.42	
GERMANY, &c.	Pembroke (St. Ann's)	29.37	46	WSW	6	0	29.57	-1.2	46	43	-2	SW	7	cqp	6	t,hpq,tl	49	42	0.0	0.61	
	Scilly (St. Mary's)...	29.45	50	SSW	5	0	29.69	-1.0	50	47	+1	SW	7	cq	8	op,t	52	47	0.0	0.42	
	Jersey (St. Aubins)...	29.88	49	S	7	0	29.94	-2.0	48	45	+3	SSW	5	bm	4	o,og	51	45	0.7	0.02	
	Portland Bill ...	29.65	49	SSW	7	0	29.80	-1.8	45	44	0	W	5	bc	6	cq,og	49	44	*	0.18	
	Dungeness ...	29.84	48	SSW	7	0	29.83	-2.3	47	46	+2	WSW	6	bc	5	o,c	48	44	*	0.06	
	Wick ...	28.83	40	SW	6	0	28.97	-2.2	38	37	-2	W	4	c	3	-	42	35	*	0.07	
	Nairn ...	28.83	44	SSW	3	0	29.02	-2.0	35	35	-3	SSW	4	ts	2	-	46	35	*	0.20	
	Aberdeen ...	29.00	44	S	4	0	29.18	-2.6	38	35	0	SW	4	bc	3	tg,om,b	44	36	0.0	0.47	
	Leith ...	29.04	47	SW	4	0	29.25	-1.5	40	37	-3	SSW	3	bc	*	-	50	37	*	0.11	
	North Shields ...	29.19	47	SSW	5	0	29.40	-2.2	40	38	+3	SW	2	c	2	o,t	49	37	*	0.09	
FRANCE.	Spurn Head ...	29.43	47	S	8	0	29.57	-2.5	43	41	+7	SSW	5	b	3	-	49	36	*	0.08	
	Yarmouth ...	29.70	47	SSW	7	0	29.69	-2.6	46	42	+10	WSW	5	b	4	o,cq	47	34	*	-	
	Loughborough ...	29.70	47	SSW	7	0	29.69	-2.6	46	42	+10	WSW	5	b	4	o,cq	47	34	*	-	
	Oxford ...	29.55	47	S	8	0	29.74	-2.0	43	40	+4	SW	4	bg	*	op,q,t	49	39	*	0.27	
	London (Brixton)...	29.71	49	SW	8	0	29.80	-2.0	45	42	+4	WSW	5	b	*	o,op,q,tl	50	40	0.0	0.23	
	The Scaw (Skagen)	29.78	39	SW	3	0	29.55	+1.5	40	40	+2	SSW	6	t	2	-	41	37	*	0.20	
	Fanö ...	29.84	40	SSW	8	0	29.69	-0.6	40	39	+1	SSW	8	o	*	-	41	39	*	0.08	
	Cuxhaven ...	30.02	42	SW	4	0	29.84	-0.5	42	40	+1	S	6	o	*	-	45	39	*	-	
	The Helder ...	29.85	46	SSW	7	0	29.74	-2.6	45	44	+3	SW	7	c	b	-	46	41	*	0.04	
	Brussels ...	*	*	*	*	*	29.98	-2.3	43	41	+7	SSW	6	o	*	-	48	35	*	0.04	
SPAN. PEN.	Berlin ...	30.19	39	W	2	0	30.15	+2.9	36	34	-5	SW	2	b	*	-	46	34	*	-	
	Frankfurt ...	30.21	42	SW	2	0	30.19	+0.2	37	34	-2	SW	2	o	*	-	46	36	*	-	
	Munich ...	30.33	33	SW	4	0	30.30	+0.4	30	28	-3	Z	0	b	*	-	43	27	*	-	
	C. Gris Nez ...	29.90	45	SW	6	0	29.86	-2.3	46	45	+4	SW	6	o	6	-	46	41	*	0.08	
	Brest ...	29.80	51	S	6	0	29.90	-1.8	49	46	0	WSW	5	bc	b	-	52	46	*	0.08	
	Lorient ...	29.89	49	SW	7	0	29.97	-2.0	49	49	+1	W	5	o	7	-	55	46	*	0.24	
	Rochefort ...	30.17	49	SSW	4	0	30.10	-2.2	47	46	+4	S	4	o	*	0	54	43	*	0.04	
	Biarritz ...	30.23	54	SSE	1	0	30.23	-2.0	54	50	+8	S	3	o	5	-	57	46	*	-	
	Paris ...	30.15	47	SSW	4	0	30.07	-2.3	44	40	+12	SW	4	t	*	-	52	32	*	-	
	Belfort ...	30.23	42	NNW	3	0	30.26	-1.2	32	29	-2	W	3	m	*	-	53	30	*	-	

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.

WEATHER CHARTS

FOR **WEDNESDAY 25th FEBRUARY, 1903.**

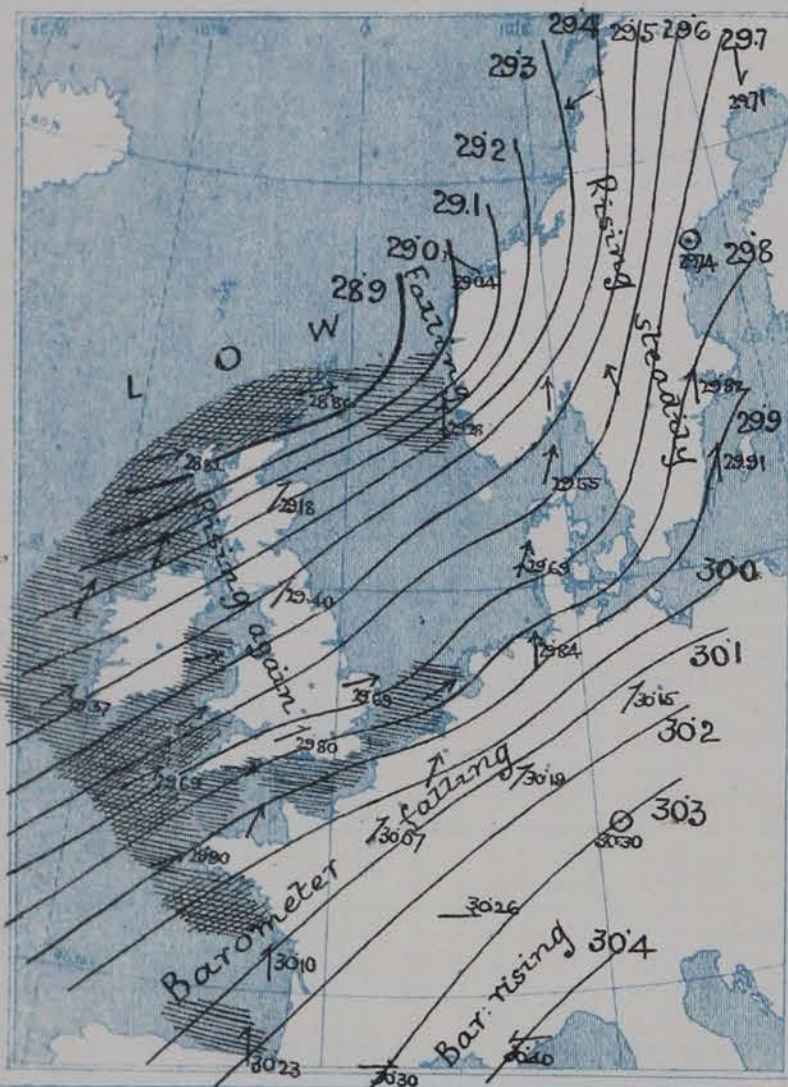
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → Force 5 to 7 → } Calm ☉
Force 8 to 10 → Force 1 to 4 →

SEA—Rough High

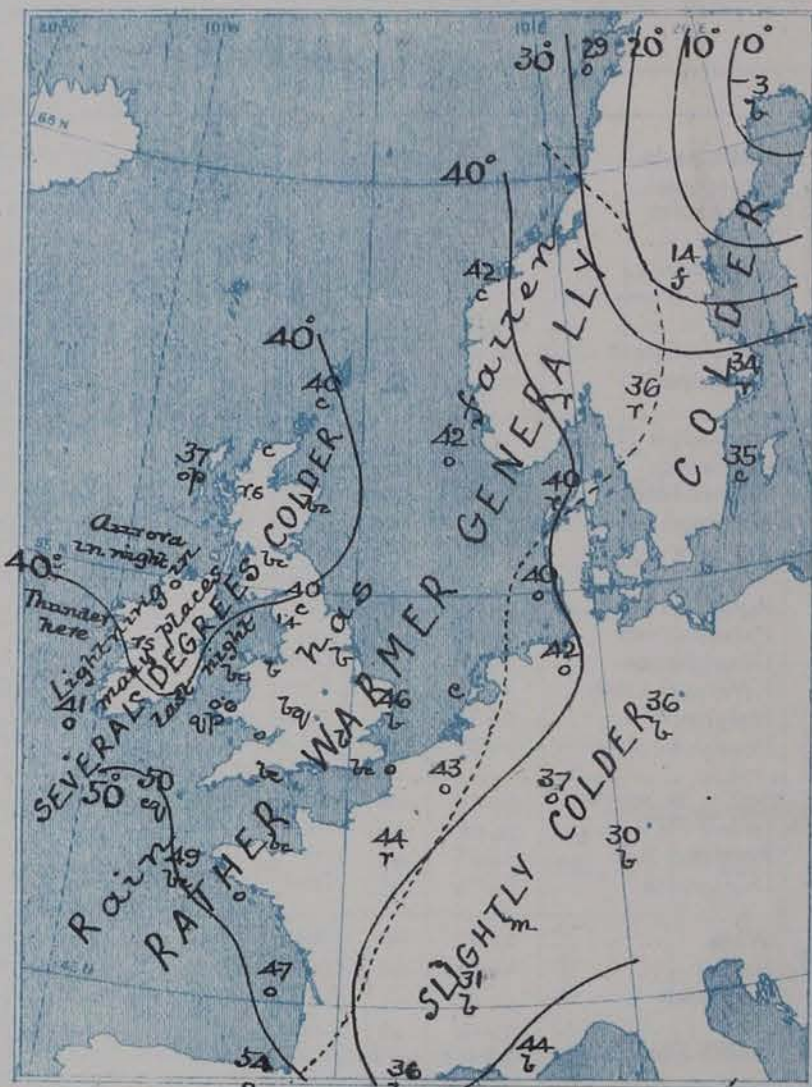


II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

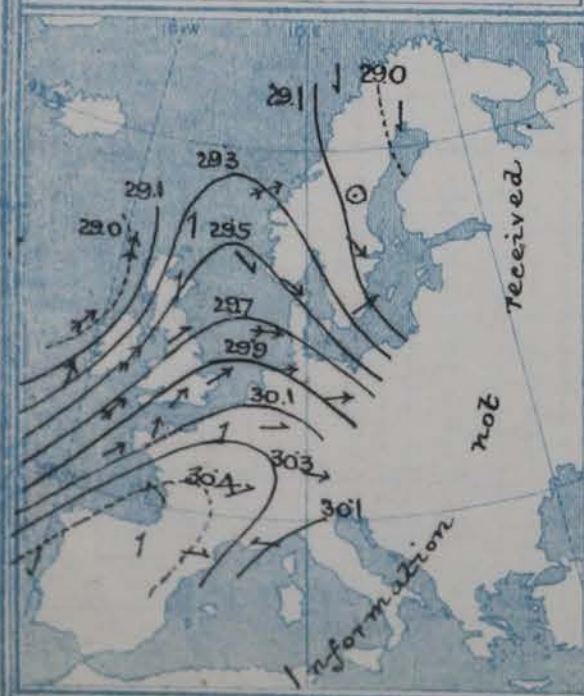
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6



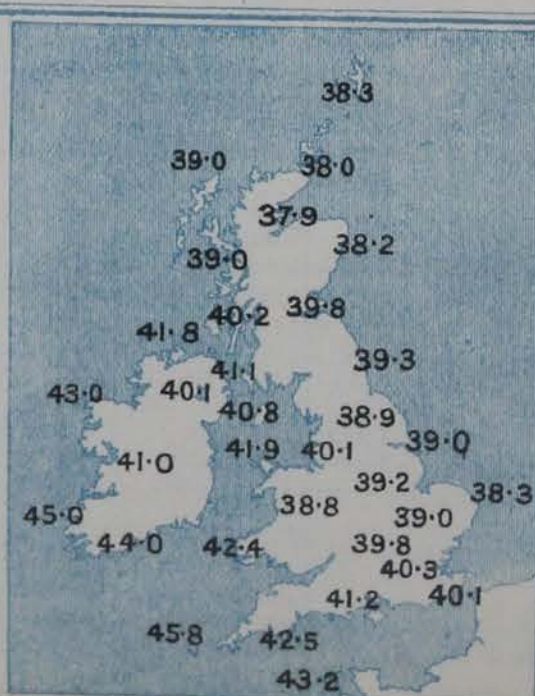
III. BAROMETER AND WIND

Yesterday morning.



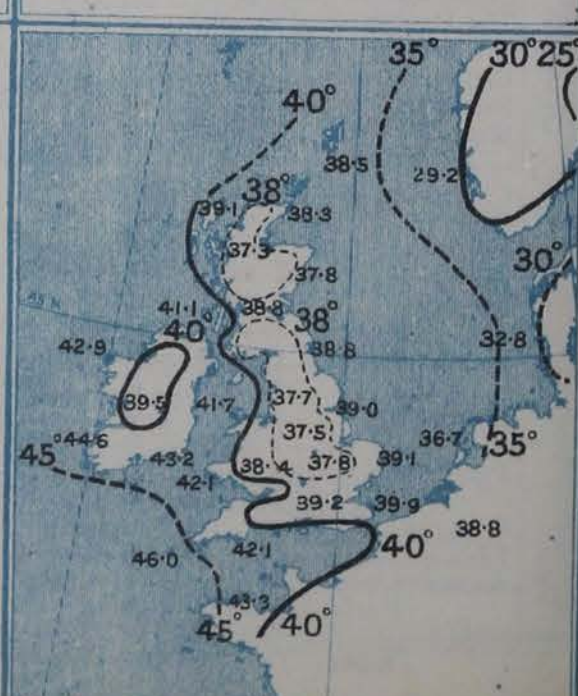
IV. Averages of DAILY MAXIMUM and MINIMUM TEMPERATURES

combined for the month of FEBRUARY (1871-1900)



V. Means of DAILY TEMPERATURE

at 8 A.M. for the Two monthly period FEBRUARY MARCH (1871 1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The cyclonic system noticed yesterday morning in the neighbourhood of the Shetlands has travelled away quickly to the north-eastward. A new and deep disturbance has, however, advanced with equal rapidity from the Atlantic, and is at present lying off our own extreme north-west coast, the readings of the barometer in the north-west of Ireland being below 29.0 ins. The mercury is falling quickly in the west and north of our Islands generally, and the gradients there are very steep, especially over the west of Ireland. The highest pressures, 30.4 ins. and upwards, are reported in the south-west of France.

WIND

TEMPERATURE

WEATHER

AND

SEA

Under the influence of the approaching disturbance the wind has backed to the S^W and increased to a gale on all our western coasts with rain, and a decided rise of temperature, the morning readings of the thermometer in the extreme west and south-west being very little below 50°. In the eastern and southern parts of the United Kingdom and in adjacent parts of the Continent the wind is at present moderate to strong from the S.W. and the weather fair and cold, the thermometer being below 40° at most of our own eastern stations. In Central France and South Germany where the distribution of pressure is anticyclonic, the readings are below 35°, and at Paris, the thermometer stands at the freezing point. Over Scandinavia Denmark and Germany the wind, in the rear of yesterday's depression, is chiefly W^W or N.W^W with a gale at Christiansund and Farsø; at the former station snow is falling, but in the northern countries generally the weather is fair, with a sharp frost in the north of Sweden. The sea is high off the Irish coasts and the west of Scotland, as well as at the mouth of the Channel, and is rough or rather so in the west and extreme north generally, and also on the French coasts.

Rain, hail or sleet fell yesterday in nearly all parts of Western Europe, and a thunderstorm occurred at Rochefort. The amount of bright sunshine was small in the south and east, but rather large at some of our western and northern stations, more than 5 hours being recorded at Rhyll and Southport.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The centre of the approaching disturbance is likely to travel in an easterly or east-north-easterly direction across Scotland. Gale from between S. and W. are probable on all our coasts, with squally, rainy weather to-day, but with some improvement tomorrow. The present rapid changes in pressure are likely to be accompanied by great fluctuations in temperature.

FORECASTS *

For the 24 hours ending at NOON on 25th February, 1903

DISTRICTS.

FORECASTS.

0 { SCOTLAND
NORTH

1 { SCOTLAND
EAST

2 { ENGLAND
N.E.

3 { ENGLAND
EAST

4 { MIDLAND
COUNTIES

5 { ENGLAND
SOUTH

S^W gales, shifting later to the W^W or N.W^W,
squally, with sleet or cold rain.

S.W^W to W^W winds, increasing to a gale;
mild, squally and rainy to-day, becoming
finer and cooler again to-morrow.

DISTRICTS.

FORECASTS.

6 { SCOTLAND
WEST

7 { ENGLAND
N.W.

8 { ENGLAND
S.W.



9 { IRELAND
NORTH

10 { IRELAND
SOUTH

S.W^W to W^W or N.W^W gales; squally and
rainy at first, some improvement later,
but still showery.

At 9.30 a.m. to-day to districts 1, 2, 3, 5,
8 and part of 0, Keep up South Cone.
The signals are now flying in all
districts excepting 6 and parts of 0 and 9.

WARNINGS

Note.—The South Cone, point downwards (), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
The North Cone, point upwards (), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

* For terms for transmission of Forecasts by Telegraph, see next page.

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.				THIS MORNING 8 A.M.							PAST 24 HOURS.				
	Bar.	Temp.	Wind.	Weather.	Barometer.	Temperature			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun-	Rainfall
	Ins.	°			Ins.	Change.	Dry.	Wet.	Change.				Max.	Min.	shine.	Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	o, bc	48	36	4.1	0.02
Newton Reigny (Penrith) ...	29.55	40	W 4	o	29.54	+18	37	37	+3	SSE 3	79	o, c, ms	40	34	3.5	0.18
Bath	29.87	41	S 6	o	29.91	+15	45	42	+5	SE 4	o	-	46	35	4.2	0.17

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m.	48	39	c, h, p, q	5.3	0.05	Eastbourne	*	*	*	2.0	*
Rhyl	*	*	*	5.3	*	Hastings	*	*	*	1.0	*
Llandudno	*	*	*	5.0	*	Lowestoft, to 6 p.m. ...	56	39	c, o, q, p, b	3.0	0.02
Aberystwyth, to 6 p.m. ...	46	39	o, c	5.0	0.02	Harrogate, to 6 p.m. ...	51	33	o, h, c, b	4.0	0.35
Plymouth, to 9 p.m.	50	36	b, c, p, q	6.6	0.20	Manchester, to 9 p.m. ...	48	37	b, c, h, r, s, bc	4.6	0.03
Worthing	*	*	*	3.7	*	Darwen, to 9 p.m. ...	45	34	o, h, r, s, c, om	3.7	0.09
Brighton	*	*	*	3.3	*	Birmingham, to 9 p.m. ...	43	35	o, b, c, b	3.8	0.22

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 23 II 1903.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Utrecht	55	43	r	o	Tunis	64	45	o	Ins.
Madrid	70	30	b	b	Algiers	64	50	b	—
Vienna	63	52	o	o	Madeira (Funchal) ...	Not Rec'd			
St. Petersburg	36	30	b	b	22 Feb. 1903. 1 p.m. not yet rec'd				Measured 7 a.m.
Trieste	52	43	b	b	Lugano	—	—	—	—
Florence	55	37	b	b	Davos	—	—	—	—
Rome	64	45	o	o	Lucerne	—	—	—	—
Corsica (I. Sanguinaires) ...	59	46	f	m	Lausanne	—	—	—	—
Naples	59	48	b	o					
Palermo	65	40	m	b					
Malta	60	53	?	o					

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Holland	8 a.m. (")	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Point Delgada ...	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

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

22 Feb. 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	6.53	12.6	5.19
Greenwich	6.58	12.13	5.28
Wick	7.24	12.25	5.27
Valencia	7.41	12.24	6.8

SUBSCRIPTIONS both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 " " Single Copies, 6d.

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom Sixpence in addition to the cost of the inquiry and reply Telegrams. Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on

THURSDAY 26th FEBRUARY

1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.	YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
	BAROM.	TEMP.	WIND.	Force (0 to 12.)	Weather	BAROMETER.		TEMPERATURE.			WIND.		Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Temp.		Sun- shine. Hours.	Rainfall. Ins.
	At 82° and M.S.L.	Dry Bulb.	Dirac.			At 82° Fahr. and M.S.L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dirac.	Force (0 to 12.)					Max.	Min.		
	Ins.	°				Ins.	Ins.	°												
SCANDINAVIA.	Haparanda ...	29.55	16	SW	4	S	29.87	+13	17	16	+20	W	2	bc	*	-	19	-4	*	0.16
	Hernösand ...	29.43	33	Z	0	0	29.68	-06	22	21	+8	Z	0	b	*	-	34	12	*	0.28
	Stockholm ...	29.74	39	SW	2	0	29.90	+08	37	35	+3	SW	2	b	*	-	41	30	*	-
	Wisby ...	29.88	38	S	4	0	30.03	+12	35	32	0	Z	0	b	*	-	39	28	*	-
	Karlstad ...	29.71	39	SSW	2	0	29.84	+21	37	36	+1	SSW	2	0	*	-	*	*	*	0.12
	Færder (X'ania Fjord)	29.64	40	SW	6	0	29.71	+28	39	39	-1	S	4	m	3	-	41	37	*	0.12
	Bodö ...	29.23	31	ESE	6	0	29.33	+01	35	33	+6	SSW	8	m	4	-	35	28	*	-
BRITISH ISLANDS.	Christiansund ...	29.28	41	SW	6	0	29.35	+31	39	35	-3	ESE	2	0	4	-	45	36	*	0.04
	Skudesnaes ...	29.55	42	SSW	6	m	29.39	+11	43	41	+1	SSE	9	m	7	bc, m	43	36	*	-
	Sumburgh Head	29.11	40	WSW	5	c	28.69	-17	41	40	+1	W	4	0	6	c	45	38	*	0.26
	Stornoway ...	29.07	39	SW	6	r	28.96	+12	35	34	-2	Z	0	cs	0	hg, c, t	45	32	2.7	0.20
	Malin Head ...	29.20	40	S	6	ogp	29.18	+03	36	35	0	SW	7	og	7	o, ogp	42	34	*	0.50
	Blacksod Pt. ...	29.12	41	SSW	3	tlrm	29.35	+17	38	36	-2	WNW	5	chp	4	hp, tl, r	44	34	*	0.45
	Valencia ...	29.06	47	SSW	6	orq	29.57	+20	42	38	+1	WSW	6	cg, hp	6	hp, og, t, q, l	48	37	2.5	0.39
GERMANY, &c.	Roche's Point ...	29.24	45	SSW	7	tl, q	29.58	+12	38	37	-2	W	3	b	4	c, tl, q, l	48	37	*	0.45
	Parsonstown ...	29.15	43	SE	4	p	29.47	+09	34	33	-1	SSW	2	b, c, s, p	*	q, p	46	33	2.9	0.28
	Donaghadee ...	29.35	43	SSW	2	o	29.28	-04	36	35	0	SSW	3	bc	3	o, l	44	33	*	0.24
	Liverpool Obsy.	29.55	43	SW	3	cp	29.47	-07	39	35	-2	WSW	3	b	4	cp	48	37	*	0.36
	Holyhead ...	29.44	46	SSW	6	cm	29.46	-03	40	38	-3	WSW	8	bc	6	cg, p, c, l	46	37	*	0.46
	Pembroke (St. Ann's)	29.44	46	SW	7	c	29.58	+01	43	40	-3	WSW	7	bc, q, u	6	c, t, sh, p, l	49	38	3.4	0.22
	Scilly (St. Mary's)...	29.50	50	S	8	m	29.70	+01	46	42	-4	W	7	cq	7	c, m, l, l	53	42	5.2	0.32
FRANCE.	Jersey (St. Aubins)...	29.89	50	SSW	5	b	29.89	-05	42	41	-6	W	6	c, t, h, q	5	b, g, l	56	41	8.1	0.18
	Portland Bill ...	29.78	48	SW	4	bc	29.69	-11	45	42	0	W	8	c	6	bc, h, l	51	41	*	0.18
	Dungeness ...	29.90	48	SW	3	b	29.68	-15	45	44	-2	WSW	7	cq	5	b	51	44	*	0.08
	Wick ...	29.16	39	WNW	5	c	29.00	+03	36	35	-2	NW	3	bc	2	r, s, p, c	40	33	*	0.53
	Nairn ...	29.21	36	SSW	4	0	29.06	+04	36	35	+1	W	1	c	1	-	41	33	*	0.59
	Aberdeen ...	29.30	40	SSW	4	b	29.14	-04	38	36	0	WSW	3	bc	3	b, t	45	37	5.9	0.07
	Leith ...	29.33	44	SSW	3	c	29.20	-05	40	36	0	SSW	3	b	*	-	48	37	*	0.19
SPAIN, PEN.	North Shields ...	29.48	41	SSW	4	c	29.34	-06	40	38	0	SW	3	og, t	2	r, c	48	39	*	0.12
	Spurn Head ...	29.63	48	SSW	6	bc	29.46	-11	41	40	-2	SSW	4	c	3	-	50	39	*	0.06
	Yarmouth ...	29.78	39	SSW	5	bc	29.54	-15	46	43	0	SW	5	c	4	bc	52	42	*	0.01
	Loughborough ...	29.72	46	SW	4	bc	29.64	-10	40	38	-3	SW	4	bc, q	*	bc, t	52	39	*	0.28
	Oxford ...	29.72	46	SW	4	bc	29.64	-10	40	38	-3	SW	4	bc, q	*	bc, t	52	39	*	0.28
	London (Brixton)...	29.82	47	SW	4	b	29.65	-15	44	41	-1	WSW	6	c	*	og, bc, t	54	43	4.6	0.03
	The Scaw (Skagen)	29.78	41	W	4	m	29.76	+21	39	39	-1	SSW	5	m	1	-	45	37	*	0.08
GERMANY, &c.	Fanö ...	29.91	40	SSW	4	b	29.75	+06	41	40	+1	SSE	6	o	*	-	43	39	*	-
	Cuxhaven ...	30.00	45	SW	3	b	29.84	00	43	41	+1	S	4	o	*	-	48	39	*	-
	The Helder ...	29.91	44	SW	3	b	29.64	-10	48	46	+3	SSW	8	o	5	-	50	41	*	-
	Brussels ...	*	*	*	*	*	29.83	-15	45	44	+2	SSW	5	o	*	-	52	42	*	0.12
	Berlin ...	30.18	43	SW	3	c	30.10	-05	37	35	+1	SE	1	o	*	-	48	34	*	-
	Frankfurt ...	30.16	43	SW	2	b	30.05	-14	40	37	+3	SW	2	o	*	-	46	37	*	-
	Munich ...	30.31	37	SW	4	b	30.19	-11	31	30	+1	SW	2	bc	*	-	50	28	*	-
FRANCE.	C. Gris Nez ...	29.91	45	SSW	4	b	29.73	-13	45	44	-1	SW	6	o	6	-	48	43	*	0.04
	Brest ...	29.81	51	SSW	5	c	29.92	+02	46	43	-3	NW	5	c	7	-	52	43	*	0.08
	Lorient ...	29.89	52	SW	6	o	29.93	-04	48	48	-1	W	6	f	8	-	55	48	*	0.24
	Rochefort ...	30.05	52	SSE	4	o	30.08	-02	51	50	+4	WSW	5	c	*	0	54	45	*	-
	Biarritz ...	30.10	60	S	3	o	30.22	-01	54	53	0	SSW	3	b	7	-	63	54	*	-
	Paris ...	30.08	48	SSW	3	o	29.94	-13	48	45	+4	SSW	4	o	*	-	51	44	*	0.08
	Belfort ...	30.22	48	Z	0	o	30.14	-12	44	39	-8	WSW	5	o	*	-	53	32	*	-
SPAIN, PEN.	Lyons ...	30.26	51	S	2	c	30.24	+05	49	41	+18	S	3	t	*	-	58	31	*	-
	Nice ...	30.37	46	E	1	b	30.33	-07	45	41	+1	E	1	c	1	-	55	39	*	-
	Perpignan ...	30.20	52	SE	2	c	30.21	-09	47	45	+11	W	1	o	*	-	64	36	*	-
	Corunna ...																			
	Lisbon ...																			
	Azores (P. Delgada)	30.32	57	SW	4	bc	30.17	-10	59	55	+4	SW	6	o	5	-	61	55	*	-
	„ (Horta) ...	30.25	59	SW	5	c	30.01	-26	61	59	+6	SSW	7	o	2	-	61	55	*	0.04

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.

WEATHER CHARTS

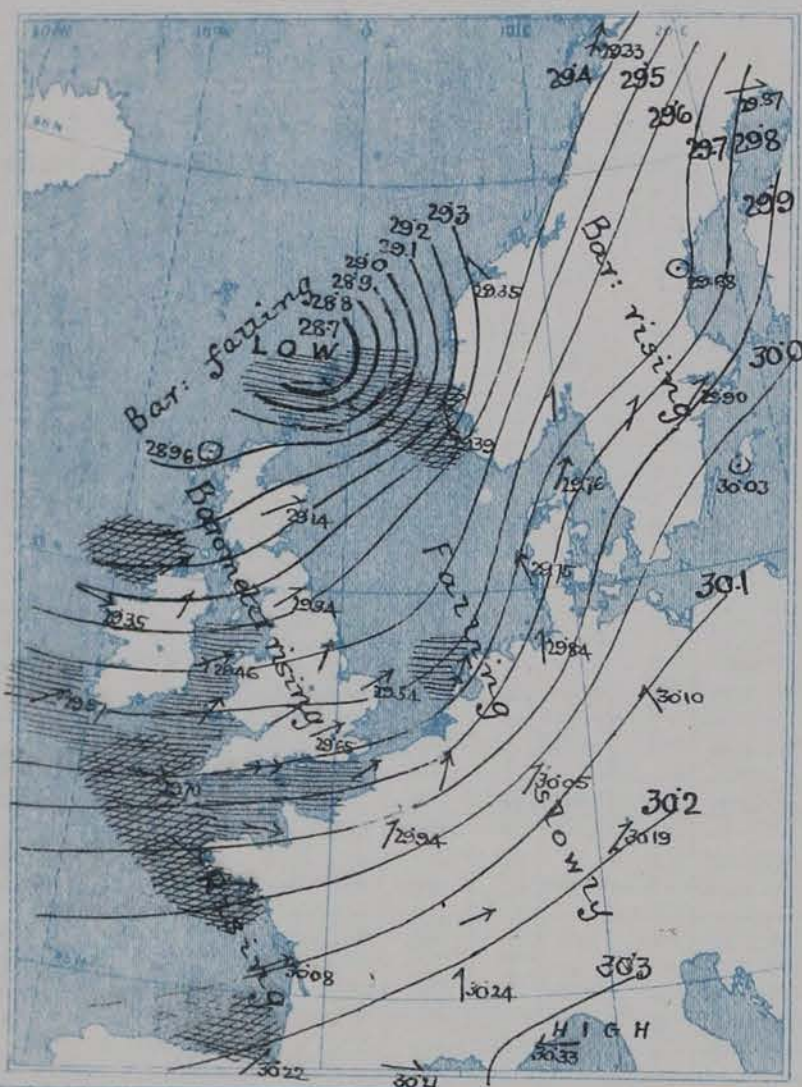
FOR *Thursday, 26th February, 1903.*

I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → Force 5 to 7 → } Calm ☉
Force 8 to 10 → Force 1 to 4 → }
KA — Rough High

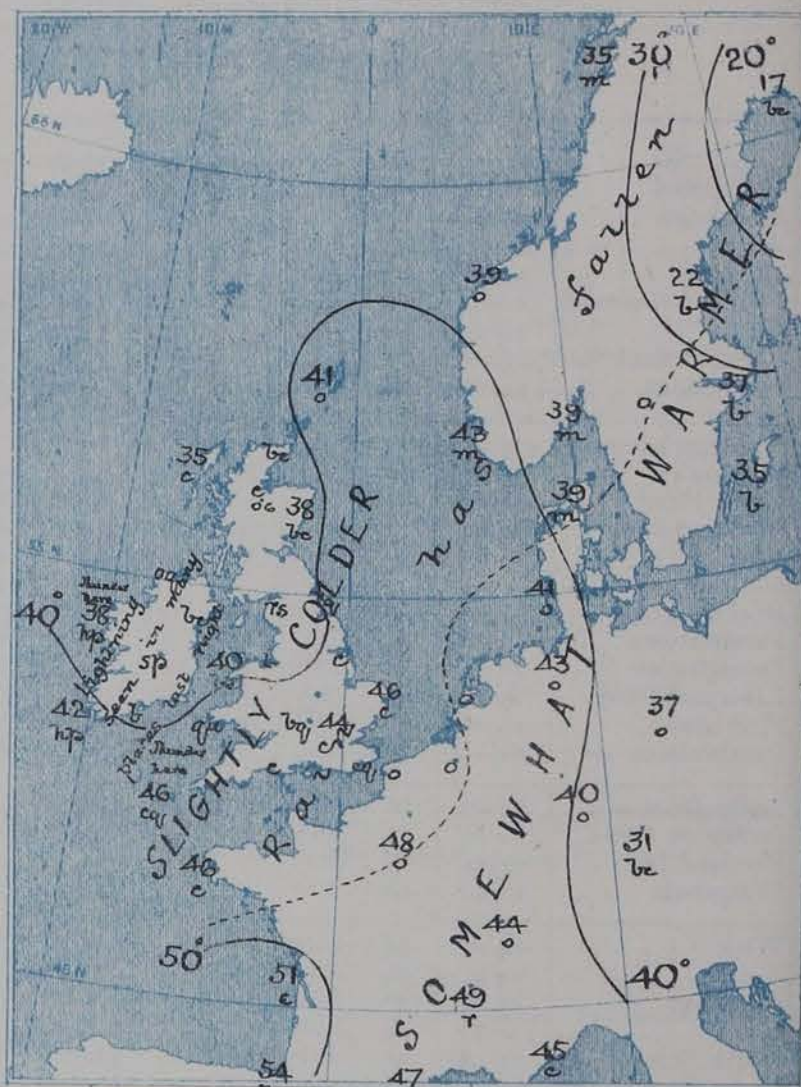


II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus: 0.6



III. BAROMETER AND WIND

Yesterday morning.



IV. Averages of DAILY MAXIMUM and MINIMUM TEMPERATURES

combined for the month of FEBRUARY (1871-1900)



V. Means of DAILY TEMPERATURE

at 8 A.M. for the Two monthly period FEBRUARY MARCH (1871 1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The deep cyclonic system of yesterday is now travelling away to the northward of Scotland the lowest pressures, 28.9 in. and less, being reported this morning in the Shetlands and Hebrides. In the rear of the disturbance the barometer is rising over the United Kingdom generally; in the western parts of the Continent the mercury is falling, but in Sweden a steady rise is in progress. The highest pressures, 30.3 in. and upwards, are reported over South Germany and the south-east of France, and over North-western Europe generally the barometric gradients remain steep.

WIND

TEMPERATURE

WEATHER

AND

SEA

S^W or S.W^W winds are reported over nearly the whole of our area, and blow strongly in many places, with a moderate to fresh gale on many parts of our own western coasts, as well as in the Netherlands, Denmark and the south of Norway. In the west of Norway the wind draws into S.E. or E. Temperature has fallen in the west and north of our Islands (several degrees in Ireland) and also in Sweden and Germany, but has risen in most other localities. Over England the readings are still above the average (at the Channel stations they range between 45° and 50°), but in Ireland and Scotland they are a little below the normal, the lowest reported being 35° at Naism and Parsonstown. Slight frost prevails in Central France and South Germany, and hard frost in the northern parts of Sweden, the reading of the thermometer at Haparanda being 3° below zero Falt. The weather, though showery in places, is fair over the United Kingdom as a whole; in the western and northern parts of the Continent the sky is overcast, with rain in Denmark and the south of Scandinavia and also at Paris. The sea is very high at the mouth of the Channel, high on our extreme north and north-west coasts, and rough or rather so on all but our east coasts.

Rain fell yesterday over North-western Europe generally - heavily at some of our western and northern stations; at Newton Reigny (Pensith) there was as much as 1.4 in. Bright sunshine was either altogether absent or of very short duration. Lightning was seen last night in the western parts of the United Kingdom, and an aurora at Malin Head; thunder, also, occurred at Blackrock Point.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The general appearance remains very unsettled, and, with the existing distribution of pressure, further disturbances are likely to appear shortly off our western coasts. The S^W and S.W^W winds will probably continue to blow strongly in many places, with squally, showery weather. The continued rise of the barometer in Sweden seems to indicate a gradual change to a southerly type of weather.

FORECASTS *

For the 24 hours ending at NOON on 26th February, 1903

DISTRICTS.

FORECASTS.

- 0 { SCOTLAND NORTH
- 1 { SCOTLAND EAST
- 2 { ENGLAND N.E.
- 3 { ENGLAND EAST
- 4 { MIDLAND COUNTIES
- 5 { ENGLAND SOUTH

S.W^W to S^W winds, strong; cloudy, unsettled, some rain.

S.W^W winds, strong in places; changeable, some showers, fine intervals.

DISTRICTS.

FORECASTS.

- 6 { SCOTLAND WEST
- 7 { ENGLAND N.W.
- 8 { ENGLAND S.W.
- 9 { IRELAND NORTH
- 10 { IRELAND SOUTH

S.W^W to S^W winds, strong; squally, fair at first, some rain later.

WARNINGS

The South Cone is still flying in districts 1, 2, 3, 5 and 8.

Note.—The South Cone, point downwards (∇), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.

The North Cone, point upwards (\Uparrow), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

* For terms for transmission of Forecasts by Telegraph, see next page.

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.						THIS MORNING 8 A.M.						PAST 24 HOURS.					
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine Hrs.	Rainfall Ins.	
					Ins.	Change.	Dry.	Wet.	Change					Max.	Min.			
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	6	*	bc, 0	48	41	3.0	0.01	
Newton Reigny (Penrith)	29.17	43	SW 7	r	29.36	-18	40	39	+3	SW 6	r h p q	.	or q l s	46	33	0.0	1.41	
Bath	29.58	48	S 9	r	29.76	-15	44	40	-1	SW 5	0	*	-	50	43	0.0	0.46	

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m....	49	35	6, 09	0.0	0.11	Eastbourne	*	*	*	0.5	*
Rhyl	*	*	*	0.0	*	Hastings	*	*	*	0.4	*
Llandudno	*	*	*	0.8	*	Lowestoft, to 6 p.m. ...	47	33	6, 0	2.0	-
Aberystwyth, to 6 p.m. No. 3. recd						Harrogate, to 6 p.m. ...	48	32	0, 7	0.0	0.09
Plymouth, to 9 p.m....	50	35	0, 1, 0	0.0	0.24	Manchester, to 9 p.m. ...	46	33	0, 7, 0	0.0	0.32
Worthing	*	*	*	0.3	*	Darwen, to 9 p.m. No. 2. recd					
Brighton	*	*	*	0.3	*	Birmingham, to 9 p.m. ...	47	33	0, 7	0.0	0.19

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

[illegible]

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.					TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.			
COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.	25 Feb., 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m. ‡ (W.E.T.)	6 p.m. ‡				
Holland	8 a.m. („ „)	8 a.m.	7 p.m. (W.E.T.)	7 p.m.	Yarmouth	6.57	12.6	5.21
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Greenwich	6.56	12.13	5.30
France	7 a.m. (Paris) ...	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick	7.21	12.25	5.29
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.	Valencia	7.39	12.54	6.10
Portugal	8 a.m. (Lisbon) ...	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.				
Azores { Point Delgada ...	6 a.m. (Local) ...	7.43 a.m.	9 p.m. (Local)	10.43 p.m.				
{ Horta	6 a.m. (Local) ...	7.55 a.m.	9 p.m. (Local)	10.55 p.m.				

SUBSCRIPTIONS both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
 " Weekly " " £1 10 0 Single Copies 6d

Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. Smith & Sons' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

DAILY WEATHER REPORT

for 8 a.m. on

FRIDAY 27th FEBRUARY

1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.					
		BAROM.		TEMP.		WIND.	Weather	BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9.)	Weather.	Temp.		Sun- shine. Hours.	Rainfall. Ins.	
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)			At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)				Max.	Min.			
																						Ins.	°	Ins.	°
SCANDINAVIA.	Haparanda ...																					
	Hernösand ...																					
	Stockholm ...																					
	Wisby ...																					
	Karlstad ...																					
	Færder (X'ania Fjord)																					
	Bodö ...																					
	Christiansund ...																					
	Skudesnaes ...																					
	Sumburgh Head																					
BRITISH ISLANDS.	Stornoway ...																					
	Malin Head ...																					
	Blacksod Pt. ...																					
	Valencia ...																					
	Roche's Point ...																					
	Parsonstown ...																					
	Donaghadee ...																					
	Liverpool Obsy.																					
	Holyhead ...																					
	Pembroke (St. Ann's)	29.72	46	SSW	7	c	29.36	-22	47	44	+4	WSW	8	cq	8	c.g.p	49	43	5.8	0.42		
GERMANY, &c.	Scilly (St. Mary's)...	29.83	49	S	8	o	29.54	-16	49	47	+3	SW	4	o	7	o.c.o.l	51	42	6.3	0.28		
	Jersey (St. Aubins)...	30.04	48	SSW	4	cq	29.69	-20	50	49	+8	SW	4	om	4	bc.cq.t	51	42	7.7	0.04		
	Portland Bill ...	29.93	46	SW	5	c	29.55	-14	49	47	+4	WSW	6	c	7	bc.c.g	50	43	*	0.09		
	Dungeness ...	29.98	46	WSW	6	bc	29.59	-09	49	48	+4	SW	9	o	6	bcq.bc	49	?	*	0.06		
	Wick ...																					
	Nairn ...																					
	Aberdeen ...																					
	Leith ...																					
	North Shields ...																					
	Spurn Head ...	29.76	42	WSW	5	bc	29.01	-45	48	46	+7	SW	9	bc	6	-	50	41	*	0.04		
FRANCE.	Yarmouth ...	29.84	45	WSW	5	bc	29.33	-21	51	47	+5	SW	7	cq	5	bc	51	39	*	-		
	Loughborough ...																					
	Oxford ...	29.84	42	SW	2	o	29.45	-19	48	43	+8	SW	4	bc	*	bc.o.qp	51	38	*	0.08		
	London (Brixton)...	29.93	44	WSW	4	b	29.49	-16	50	47	+6	WSW	6	bc	*	bcq.b.opq	50	41	4.3	0.10		
	The Scaw (Skagen)																					
	Fanö ...																					
	Cuxhaven ...	29.86	42	SW	5	b	29.76	-08	38	36	-5	S	4	o	*	-	46	36	*	0.08		
	The Helder ...	29.89	44	SW	5	b	29.45	-19	47	45	-1	SSW	8	o	6	-	48	39	*	0.04		
	Brussels ...	*	*	*	*	*	29.74	-09	50	44	+5	SSW	6	o	*	-	50	38	*	0.04		
	Berlin ...	30.02	43	SW	2	+	30.11	+01	36	35	-1	SSW	2	b	*	-	50	34	*	0.04		
SPAN. PEN.	Frankfurt ...	30.21	42	W	2	b	30.09	+04	38	36	-2	SW	2	o	*	-	50	36	*	0.04		
	Munich ...	30.28	44	W	5	c	30.25	+06	36	35	+5	SE	3	c	*	-	50	31	*	-		
	C. Gris Nez ...	30.02	45	SW	6	o	29.57	-16	47	46	+2	SW	7	o	7	-	48	43	*	-		
	Brest ...	29.97	50	S	4	o	29.67	-25	51	50	+5	SW	4	o	7	-	54	48	*	0.08		
	Lorient ...	30.02	50	SSW	6	f	29.73	-20	52	52	+4	SW	6	f	8	-	54	48	*	0.24		
	Rochefort ...	30.21	51	SW	4	b	30.05	-03	52	51	+1	S	4	+	*	b	55	45	*	-		
	Biarritz ...	30.30	54	Z	0	bc	30.12	-10	58	56	+4	S	4	b	5	-	61	50	*	-		
	Paris ...	30.17	48	SW	3	b	29.91	-03	51	46	+3	SSW	6	o	*	-	57	42	*	-		
	Belfort ...	30.25	45	W	4	o	30.19	+05	40	37	-4	WSW	2	o	*	-	51	37	*	0.04		
	Lyons ...	30.35	46	SSW	1	b	30.26	+02	44	41	-5	S	3	c	*	-	57	37	*	0.04		

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.

WEATHER CHARTS

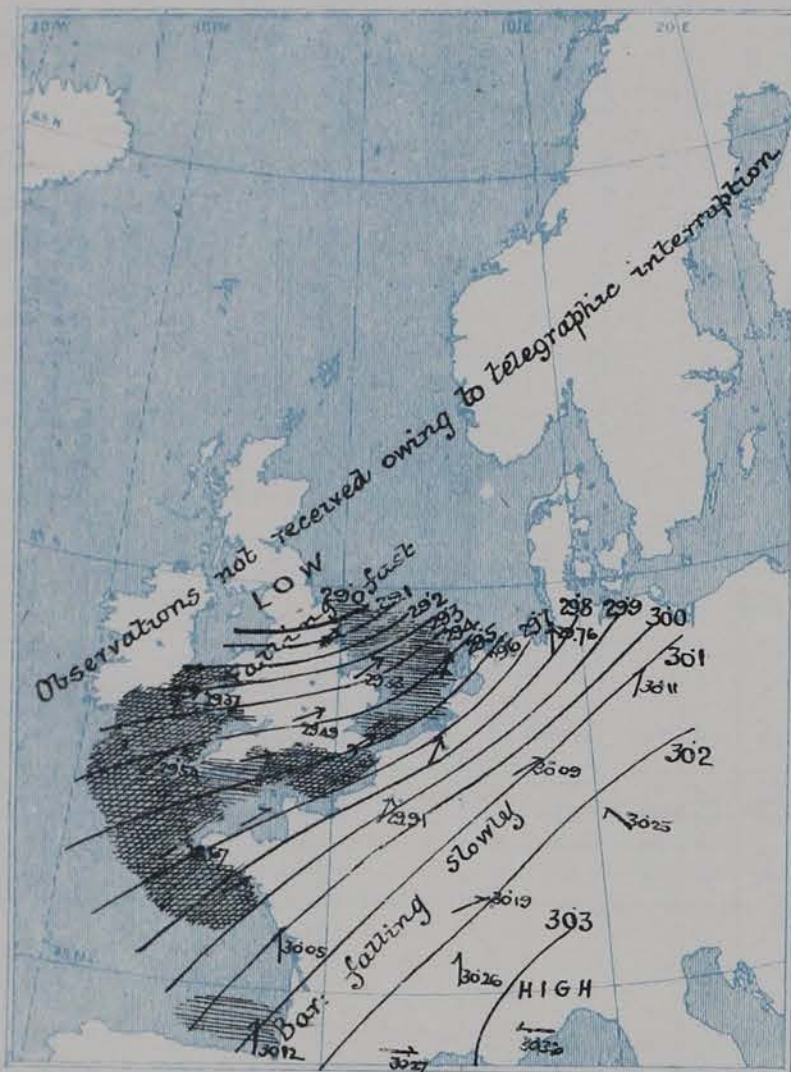
FOR FRIDAY, 27th FEBRUARY, 1903.

I. BAROMETER, WIND AND SEA. This Morning.

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → Force 5 to 7 → } Calm ☉
Force 8 to 10 → Force 1 to 4 →
SEA.—Rough High

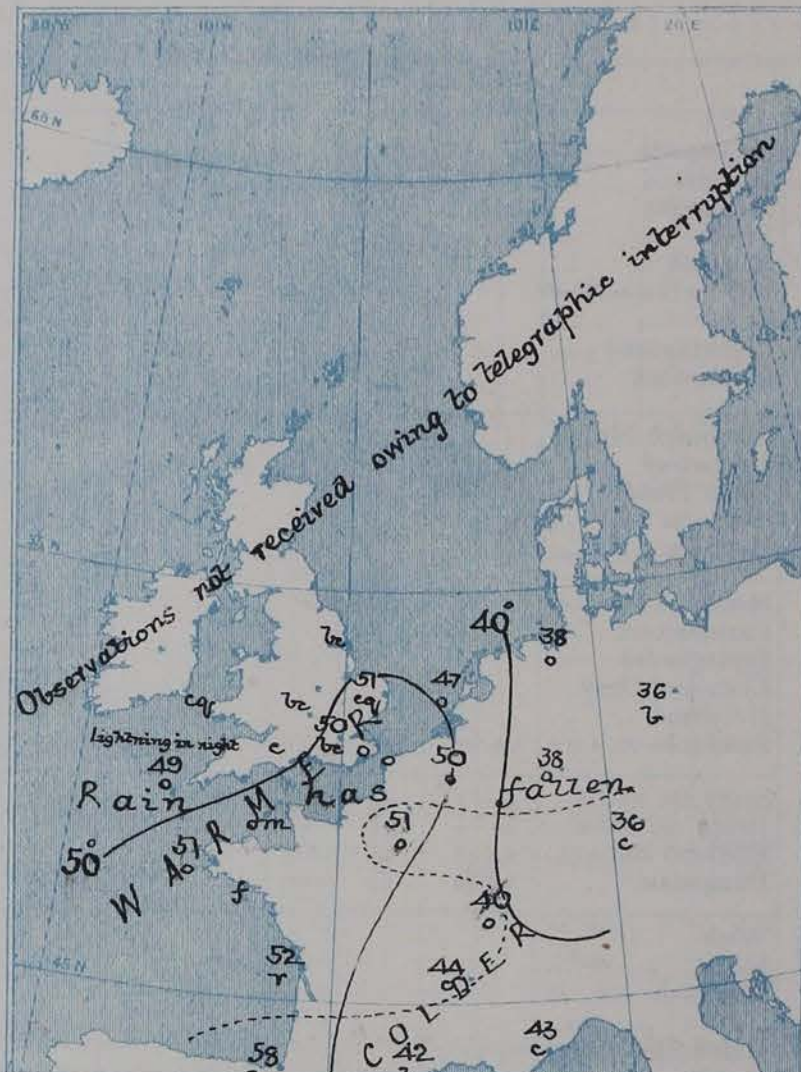


II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAIN.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6



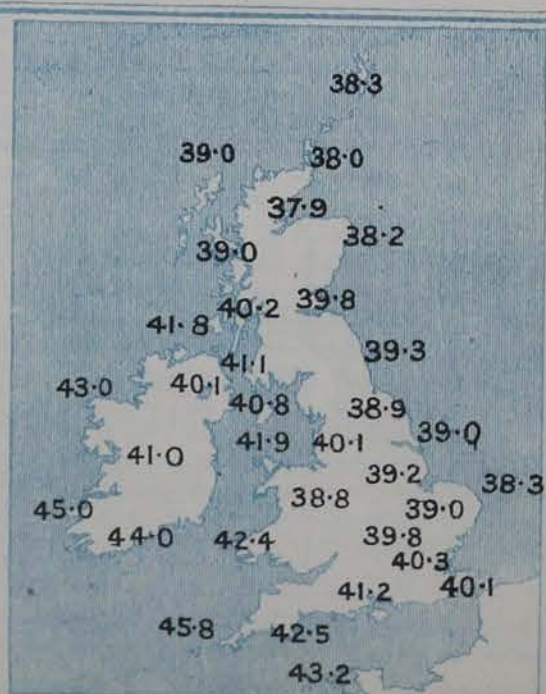
III. BAROMETER AND WIND

Yesterday morning.



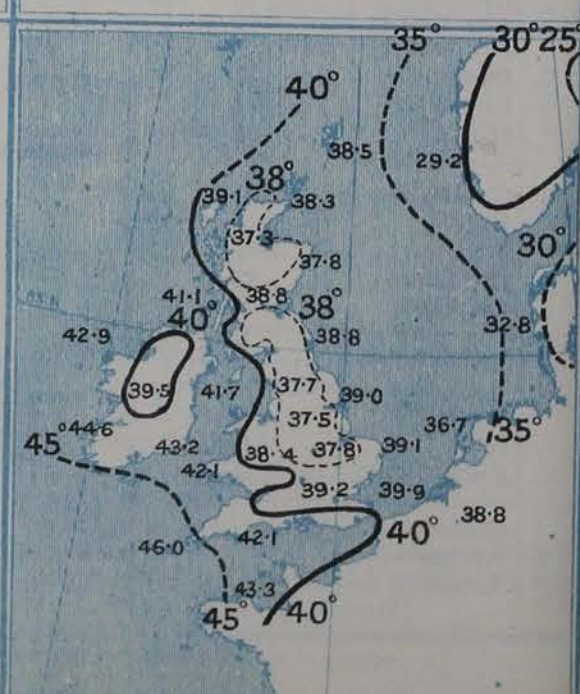
IV. Averages of DAILY MAXIMUM and MINIMUM TEMPERATURES

combined for the month of FEBRUARY (1871-1900)



V. Means of DAILY TEMPERATURE

at 8 A.M. for the Two monthly period FEBRUARY MARCH (1871 1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

In the course of the past night the centre of another deep cyclonic system has travelled rapidly in a north-north-easterly direction along our extreme western coasts. The disturbance is now passing away to the northward of the Shetlands, but the readings of the barometer in that neighbourhood are below 28.7 in. and the gradients over the northern parts of the North Sea are steep. Over the greater part of the United Kingdom a recovery of pressure is now in progress, but in the western parts of the Continent the barometer is falling. The highest pressures, 30.3 in. and upwards, are found over the extreme south of France.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind is strong to a gale from the W² on our western and southern coasts, but is moderate to fresh from the S.W.² in the north and east. Over Norway, Denmark and the Netherlands it is S², with a gale at Skudeensnes and the Helder; in Sweden it is calm or light from the W² or S.W.². Temperature has fallen a little in most parts of the United Kingdom, and is below the average at several of our western and northern stations, the readings in Ireland and Scotland being mostly below 40°; and in many cases very little above 35°. Over England the thermometer is still about the normal, on our south and east coasts it stands at or slightly above 45°; readings above 45° are general in France, the highest reported being 54° at Biarritz and 51° at Rochefort. The weather, though temporarily fair in the south and east of England, is in a changeable showery state over the United Kingdom generally, with hail or sleet at several of our western and north-western stations. In the western parts of the Continent the sky is overcast with rain at Lyons. The sea is high at the mouth of the Channel and in the Bay of Biscay, as well as at Malin Head and Skudeensnes, and is rough or rather so in many other localities.

Rain has again fallen over North-western Europe generally, heavily at many of our own northern stations. The amount of bright sunshine recorded yesterday was, however, fairly large, especially on our south and east coasts, where the duration in many instances exceeded 8 hours. Thunder and lightning occurred at many places in the west, and lightning only at some of the English stations.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The rise of the barometer in the west of Ireland is not very decided, and with the present conditions it is probable that further disturbances will shortly appear off our western coasts. The weather is likely to remain in a cool, showery state generally, with strong winds from S.W. and W. on all our western and southern coasts.

FORECASTS *

For the 24 hours ending at NOON on 27th February, 1903

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

0 th	SCOTLAND NORTH	W ² to S ² winds, freshening, fair at first, rain or sleet later.
1	SCOTLAND EAST	
2	ENGLAND N.E.	S.W. ² winds, fresh or strong; cold, changeable, showery.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	W ² to S.W. ² winds, strong in places; cold, changeable, some showers.
5	ENGLAND SOUTH	

6 th	SCOTLAND WEST	W ² to S.W. ² or S ² winds, strong; squally, with occasional rain.
7 th	ENGLAND N.W.	
8	ENGLAND S.W.	
9 th	IRELAND NORTH	
10 th	IRELAND SOUTH	

WARNINGS

At 3.20 p.m. yesterday to district 10, and at 7 p.m. to districts 6, 7, 9 and part of 0, 'Hoist South Cone'.

Note.—The South Cone, point downwards (∇), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
The North Cone, point upwards (\Uparrow), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

* For terms for transmission of Forecasts by Telegraph, see next page.

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.					THIS MORNING 8 A.M.					PAST 24 HOURS.				
	Bar.	Temp.	Wind.	Weather.	Barometer.	Temperature			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun-
	Ins.	°			Ins. Change.	Dry.	Wet.	Change.					Max.	Min.	shine.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	bc	*	b, t	51	44	0.1
Newton Reigny (Penrith) ...	29.43	40	S 5	0	29.32 -0.4	36	35	-4	SW 7	cg, tshp	*	c, o, tsh	45	34	2.3
Bath	29.74	50	S 5	0	29.67 -0.9	40	38	-4	W 6	0	*	-	52	39	7.0

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m.	48	39	o, c, b	3.2	0.23	Eastbourne	*	*	*	8.4	*
Rhyl	*	*	*	3.8	*	Hastings	*	*	*	6.8	*
Llandudno	*	*	*	3.0	*	Lowestoft, to 6 p.m. ...	54	44	o, q, r, b	8.3	0.03
Aberystwyth, to 6 p.m. ...	46	40	o, c	1.0	0.15	Harrogate, to 6 p.m. ...	48	37	c, o, t, c	2.8	0.63
Plymouth, to 9 p.m.	51	39	bc, q, r, t	5.4	-	Manchester, to 9 p.m. ...	46	38	r, b, c, p, b, q	3.2	0.21
Worthing	*	*	*	8.1	*	Darwen, to 9 p.m. Not recd.	*	*	*	*	*
Brighton	*	*	*	8.0	*	Birmingham, to 9 p.m. ...	49	38	bc, p, b	4.8	0.45

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

STATIONS. 25 Feb. 1903.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Utrecht	48	37	o c	Ins.	Tunis	70	48	bc c	Ins.
Madrid Not Recd.	*	*	*	-	Algiers	72	52	b c	-
Vienna	46	30	b bc	-	Madeira (Funchal) ...	64	48	c c	-
St. Petersburg	36	27	o o	-					
Trieste	55	45	o o	0.04	24 Feb. 1903.				
Florence	60	38	b o	-		1 p.m.		1 p.m.	Measured 7 a.m.
Rome	60	44	o o	-	Lugano	54	-	b	0.12
Corsica (I. Sanguinaires) ...	59	43	f f	-	Davos	30	-	b	0.08
Naples	57	48	b c	-	Lucerne	45	-	b	0.63
Palermo	70	42	b m	-	Lausanne	45	-	b	0.12
Malta	64	54	? m	-					

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.† (W.E.T.)	6 p.m.†
Holland	8 a.m. (" ")	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris) ...	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon) ...	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Point Delgada ...	6 a.m. (Local) ...	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
Horta	6 a.m. (Local) ...	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

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

26 Feb. 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	6.49	12.6	5.23
Greenwich	6.54	12.13	5.32
Wick	7.18	12.25	5.32
Valencia	7.37	12.54	6.12

SUBSCRIPTIONS both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

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" Weekly " " " £1 10 0 " " Single Copies, 6d.

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom Sixpence in addition to the cost of the inquiry and reply Telegrams. Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

† At Oxford the observations are taken at 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on SATURDAY 28TH FEBRUARY. 1903.

Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		BAROM.	TEMP.		WIND.		Weather	BAROMETER.		TEMPERATURE.			WIND.		Sea (0 to 9.)	Weather.	Temp.		Sun- shine. Hours.	Rainfall. Ins.	
			At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)			Max.	Min.			
																					Ins.	°	Ins.	°
SCANDINAVIA.	Haparanda ...	29.19	32	S	4	0	29.22	-10	27	27	-5	2	0	f	*	-	34	18	*	0.20	
	Hernösand ...	29.27	33	Z	0	0	28.92	-34	34	33	0	2	0	o	*	-	41	32	*	0.16	
	Stockholm ...	29.34	35	S	4	0	29.12	-44	42	37	+4	SSW	4	o	*	-	43	32	*	0.08	
	Wisby ...	29.46	39	S	6	bc	29.28	-45	41	38	+3	S	6	c	*	-	43	32	*	0.08	
	Karlstad ...	29.12	39	SW	6	†	28.96	-61	38	37	+2	SSW	6	†	*	-	*	*	*	0.20	
	Færder (X'ania Fjord)	28.94	40	S	7	0	28.90	-63	40	39	+1	SW	7	b	5	-	41	34	*	0.20	
	Bodö ...	29.18	36	ESE	4	c	29.04	-18	33	29	-3	E	4	bc	1	-	39	32	*	-	
	Christiansund ...	28.84	41	SW	3	0	28.82	-50	39	36	+2	W	1	o	4	-	41	34	*	-	
	Skudesnaes ...	28.60	43	SW	10	0	29.10	-24	37	37	-2	NW	8	†	6	-	43	36	*	*	
	BRITISH ISLANDS.	Sumburgh Head	28.69	37	NNE	5	†	29.19	+38	38	37	+1	WNW	1	o	5	†	40	35	*	0.40
Stornoway ...		29.05	40	NNW	5	o	29.30	+74	35	34	-2	WSW	3	o	3	P.T.O	41	33	0.0	0.28	
Malin Head ...		29.26	42	NW	7	cgp	29.24	+69	36	34	-4	S	2	o	3	bc,cgp	43	34	*	0.03	
Blacksod Pt. ...																		*			
Valencia ...		29.41	43	Z	0	0	29.49	+14	45	41	0	W	7	oqy	6	cp,o	48	35	4.0	0.42	
Roche's Point ...		29.43	46	NNW	3	0	29.43	+06	43	42	0	W	4	c	4	bc,o	49	34	*	0.10	
Parsonstown ...																		*			
Donaghadee ...		29.29	41	NW	3	bc	29.42	+84	32	32	-8	WSW	3	bc	2	-	49	28	*	0.08	
Liverpool Obsy.		29.39	43	WSW	4	bc	29.48	+43	38	36	-8	Z	0	o	1	-	49	36	*	-	
Holyhead ...		29.41	43	W	4	bc	29.46	+37	35	34	-10	S	1	cf	1	c,bc	47	34	*	-	
GERMANY, &c.	Pembroke (St. Ann's)	29.47	46	Z	0	c	?29.45	+09	44	42	-3	SW	2	cgm	4	-	48	38	0.0	-	
	Scilly (St. Mary's)...	29.43	46	S	2	†	29.48	-06	48	46	-1	WNW	7	c	6	o,†	49	44	0.0	0.13	
	Jersey (St. Aubins)...	29.49	45	NE	3	o†f	29.44	-25	45	44	-5	WNW	7	om	6	o†f,q	52	45	0.0	1.04	
	Portland Bill ...	29.51	45	SSW	2	†	29.43	-12	40	39	-9	N	4	†	4	o,†	49	38	*	0.79	
	Dungeness ...	29.56	45	WSW	3	†	29.29	-30	42	41	-7	ENE	5	†	3	†	52	41	*	1.09	
	Wick ...	28.83	40	W	5	†	29.29	+83	34	33	-8	NW	3	bc	2	p,†	45	32	*	0.15	
	Nairn ...	29.01	39	W	3	0	29.33	+94	35	34	-5	Z	0	b	1	-	41	31	*	0.04	
	Aberdeen ...	28.95	42	W	7	c	29.37	+1.00	34	32	-9	W	2	b	2	c	46	33	1.9	-	
	Leith ...	29.12	42	W	4	b	29.39	+1.09	35	34	-10	WSW	1	m	*	-	47	31	*	0.02	
	North Shields ...	29.24	42	WSW	4	bc	29.44	+89	34	30	-10	WSW	2	m	2	rq,c,†,bc	47	33	*	0.06	
FRANCE.	Spurn Head ...	29.36	45	WSW	5	b	29.44	+43	38	37	-10	NW	2	m	2	-	50	35	*	-	
	Yarmouth ...	29.44	50	WSW	4	c	29.41	+08	41	38	-10	SE	3	c	3	c	53	38	*	-	
	Loughborough ...																	*			
	Oxford ...	29.48	43	W	2	o	29.44	-01	37	36	-11	NNW	1	op	*	-	51	36	*	0.01	
	London (Brixton)...	29.49	47	SW	2	o	29.38	-11	38	37	-12	ENE	2	o†	*	c,o,o†	52	37	0.2	0.38	
	The Scaw (Skagen)	29.10	42	WSW	7	o	29.09	-55	41	41	+4	WSW	6	m	2	-	43	36	*	0.24	
	Fanö ...	29.36	42	SSW	6	b	29.39	-24	40	38	+2	SW	2	o	*	q,b	45	37	*	0.12	
	Cuxhaven ...	29.54	49	SW	5	o	29.47	-29	42	41	+4	SW	3	o	*	-	50	38	*	0.04	
	The Helder ...	29.46	46	SW	4	o	29.42	-03	38	38	-9	S	1	†	3	-	48	39	*	0.12	
	Brussels ...	*	*	*	*	*	29.46	-28	51	48	+1	SSW	6	o	*	-	54	47	*	0.28	
SPAN. PEN.	Berlin ...	29.78	48	SSW	4	†	29.56	-55	50	48	+14	SW	4	c	*	-	50	36	*	0.12	
	Frankfurt ...	29.79	54	SW	6	o	29.69	-40	53	47	+15	SW	6	c	*	-	54	38	*	-	
	Munich ...	30.04	44	SW	1	o	29.93	-32	42	38	+6	SW	1	o	*	-	54	36	*	-	
	C. Gris Nez ...	29.56	44	W	4	†	?	?	46	46	-1	?	4	†	3	-	50	43	*	1.62	
	Brest ...	29.46	52	SW	6	†	29.57	-16	47	46	-4	NW	5	†	6	-	52	46	*	0.91	
	Lorient ...	29.57	52	SW	7	f	29.57	-16	50	50	-2	WSW	9	f	9	-	54	39	*	1.14	
	Rochefort ...	29.87	55	SSW	5	o	29.87	-18	53	52	+1	SW	6	bc	0	0	57	46	*	0.16	
	Biarritz ...	30.05	65	SSW	5	o	30.13	+01	58	57	0	W	7	o	5	-	66	50	*	-	
	Paris ...	29.78	53	SW	6	o	29.61	-30	52	48	+1	SW	6	o	*	-	55	51	*	0.16	
	Belfort ...	29.99	53	WSW	7	o	29.86	-33	51	44	+11	SW	7	o	*	-	58	40	*	-	

NOTE: The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster.

* Observations for this column not generally received.

† Observations received too late for insertion in Charts on next page.

WEATHER CHARTS

FOR *Saturday, 28th February, 1903.*

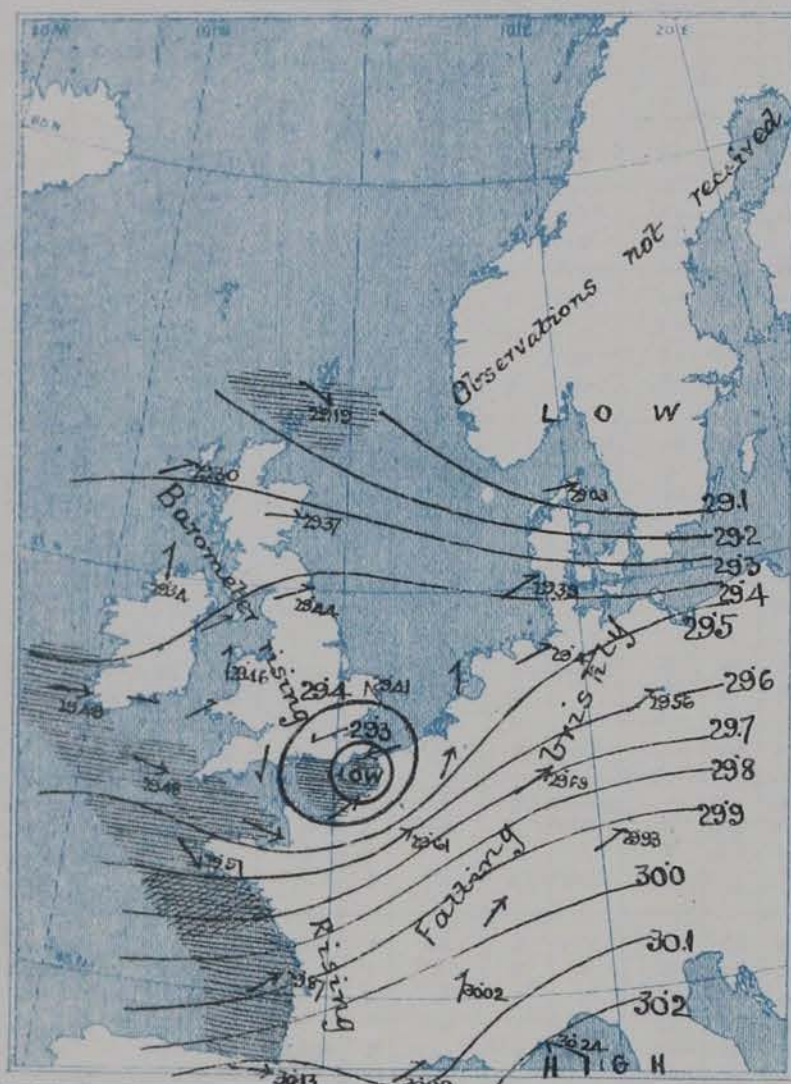
I. BAROMETER, WIND AND SEA. *This Morning.*

BAROMETER.—Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 → Force 5 to 7 → } Calm ☉
Force 8 to 10 → Force 1 to 4 →

SEA.—Rough High



II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6



III. BAROMETER AND WIND

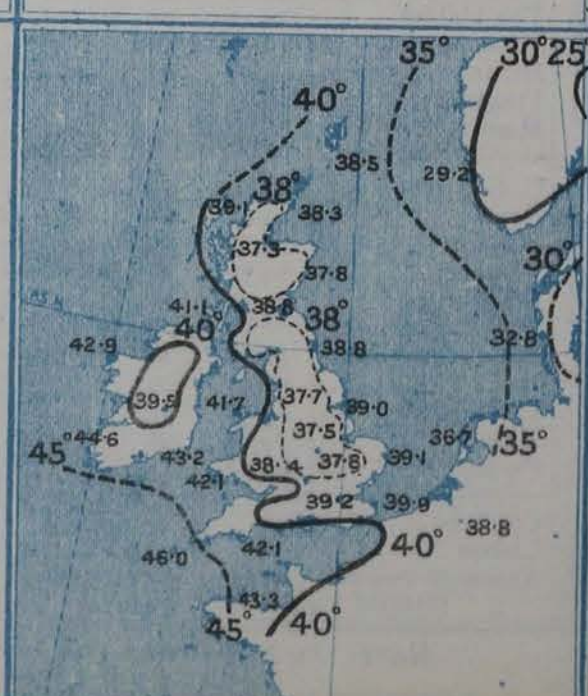
Yesterday morning.



IV. Averages of DAILY MAXIMUM and MINIMUM TEMPERATURES combined for the month of FEBRUARY (1871-1900)



V. Means of DAILY TEMPERATURE at 8 A.M. for the Two monthly period FEBRUARY MARCH (1871 1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

Owing to serious telegraphic interruption no reports have arrived from Ireland or the northern parts either of Great Britain or the Continent. The 6 p.m. observations of yesterday showed that a deep cyclonic system was approaching Ireland, and that the barometer was falling rapidly on our south-west coasts generally. The disturbance is apparently travelling across the northern parts of our area, and in the south of England a recovery of pressure is in progress. The highest readings, 30.3 in. and upwards, are still found over the south coast of France; the lowest at present reported are over the northern and central parts of England, where the barometer is apparently below 29.0 in.

WIND

TEMPERATURE

WEATHER

AND

SEA

A severe gale from the S^d or S.W.^d prevailed during the night over the southern and eastern parts of England, and the wind there still blows very strongly from S.W. with a gale at Spurn Head and in the Straits of Dover. Over France, Germany and the Netherlands the wind is S^W; with a gale at the Helder. Temperature has risen at our southern and the neighbouring Continental stations, the readings (which range a little on either side of 50°) being again very high for the time of year; in London the reading of 50° is about 11° above the normal. The weather, though still squally, is fair over the southern parts of England, but is dull in many parts of France, Germany and the Netherlands, with rain at Rochefort. The sea is very high at Pembroke and Corrient, and high or rough in nearly all other places, from which reports have at present arrived.

During yesterday the thermometer rose to 50° or slightly above it at most of our own southern stations; in the central and southern parts of France it exceeded 55°; the highest readings reported being 65° at Perpignan and 61° at Biarritz. The amount of bright sunshine was large - more than 6 hours on many parts of the English and Welsh coasts and as much as 8 hours at Rhyl. Rain has fallen generally, but as a rule only in small quantity; lightning was seen at Scilly at night.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

In the absence of nearly all our western and northern reports it is impossible to give any indication as to the probable changes in pressure or weather. At the mouth of the Channel the gale has subsided quickly, but the wind there remains S.W.^W and the general appearance, as far as it can be estimated is therefore extremely unsettled.

FORECASTS *

For the 24 hours ending at NOON on 28th February, 1903

DISTRICTS.

FORECASTS.

- 0 { SCOTLAND NORTH
- 1 { SCOTLAND EAST
- 2 { ENGLAND N.E.
- 3 { ENGLAND EAST
- 4 { MIDLAND COUNTIES
- 5 { ENGLAND SOUTH

No forecasts possible.

DISTRICTS.

FORECASTS.

- 6 { SCOTLAND WEST
- 7 { ENGLAND N.W.
- 8 { ENGLAND S.W.
- 9 { IRELAND NORTH
- 10 { IRELAND SOUTH

No forecasts possible.

WARNINGS

At 3.15 p.m. yesterday to district 8, at 4.40 p.m. to district 5, and at 7 p.m. to districts 1 to 3 and part of 0, Hoist South Cone. The signals are now flying on all coasts.

Note.—The South Cone, point downwards (⌵), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
The North Cone, point upwards (⌴), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

* For terms for transmission of Forecasts by Telegraph, see next page.

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.					THIS MORNING 6 A.M.					PAST 24 HOURS.						
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.		
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	bc	*	b, bc	50	45	7.9	0.04
Newton Reigny (Penrith)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Bath	29.88	45	S 3	o	29.47	-20	49	44	+9	SW 7	bc	*	-	52	37	6.5	0.20

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE F.		Weather. (Beaufort.)	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Southport, to 9 p.m....	46	38	or, c, q, q	6.1	0.20	Eastbourne	*	*	*	6.3	*
Rhyl	*	*	*	8.0	*	Hastings	*	*	*	6.5	*
Llandudno	*	*	*	7.2	*	Lowestoft, to 6 p.m. ...	49	41	bc, p, o, c, b	6.4	0.01
Aberystwyth, to 6 p.m. ...	49	42	c, b	6.0	-	Harrogate, to 6 p.m. ...	46	37	c, o, c, b	6.3	0.09
Plymouth, to 9 p.m....	49	41	bc, q, o, p, r	6.4	0.34	Manchester, to 9 p.m. ...	46	38	rq, b, r, s, c	6.1	0.15
Worthing	*	*	*	6.6	*	Darwen, to 9 p.m. ...	43	33	r, h, o, c, om	3.2	0.25
Brighton	*	*	*	6.8	*	Birmingham, to 9 p.m. ...	47	36	r, b	4.4	0.20

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 3 a.m. yesterday.

STATIONS. 26 Feb 1903.	TEMPERATURE F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Utrecht	55	45	o	o	Tunis	*	*	*	Ins.
Madrid	59	37	o	b	Algiers	61	52	c	c
Vienna	50	28	b	b	Madeira (Funchal) ...	66	50	bc	b
St. Petersburg	32	21	b	o					
Trieste	52	43	o	o					
Florence	51	48	b	m					
Rome	60	41	o	o					
Corsica (I. Sanguinaires) ...	57	46	f	f					
Naples	58	47	b.	b					
Palermo	63	39	b	m					
Malta	60	54	?	m					
					25 Feb 1903.	1 p.m.		1 p.m.	Measured 7 a.m.
					Lugano	50		b	
					Davos	37		b	
					Lucerne	46		b	
					Lausanne	48		b	

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

COUNTRIES, &c.	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
British Isles, Belgium† ...	8 a.m. (West European)	8 a.m.	6 p.m.† (W.E.T.)	6 p.m.†
Holland	8 a.m. (")	8 a.m.	7 p.m. (W.E.T.)	7 p.m.
Germany, Denmark, Norway, Sweden }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)	6 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.	3.23 p.m. (Lisbon)	4 p.m.
Azores { Point Delgada ...	6 a.m. (Local)	7.43 a.m.	9 p.m. (Local)	10.43 p.m.
{ Horta	6 a.m. (Local)	7.55 a.m.	9 p.m. (Local)	10.55 p.m.

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

27 Feb. 1903.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	6.47	12.6	5.25
Greenwich	6.53	12.13	5.33
Wick	7.16	12.26	5.34
Valencia	7.35	12.54	6.13

SUBSCRIPTIONS both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
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Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom Sixpence in addition to the cost of the inquiry and reply Telegrams. Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

ADDITIONS AND CORRECTIONS TO THE

1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	STATIONS.	YESTERDAY EVENING					THIS MORNING.										PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather.	Barometer.		Temperature.			Wind.		Sea (0 to 9).	Weather.	Temp.		Sun-shine.	Rainfall.		
				Direc.	Force (0 to 12).		At 32° Fahr. and M.S.L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12).			Max.	Min.				
																				At 32° and M.S.L.	Dry Bulb.	Direc.
Ins.	°					Ins.	Ins.	°	°	°							Hours.	Ins.			
31	Newton Reigny.	29.37	44	SW	5	o	28.47	-73	35	34	-7	W	6	sq rlv	-	org h's	45	33	0.0	0.47	
2	Sumburgh Head	29.73	34	N	6	S	29.56	+83	36	34	-7	N	6	o	6	7.5	43	33	-	1.16	
"	Corunna.	30.14	52	WNW	5	o	30.25	?	52	50	?	NW	5	o	6	-	55	46	-	0.16	
3	Corunna.	30.36	53	N	3	bc	30.53	+28	41	37	-11	NNE	1	f	5	-	54	36	-	-	
"	Lisbon.	30.33	51	NNE	3	bc	30.37	+03	46	40	-6	NNE	5	bc	-	-	57	45	-	-	
"	P. Delgada.	30.35	59	SSE	5	o	30.28	-09	54	57	0	SSE	5	bc	4	-	63	57	-	0.04	
4	Rocheport.	30.56	45	NW	3	bc	30.54	+09	38	-	0	SE	2	c	-	-	48	34	-	-	
"	Lyon.	30.50	34	NNW	3	bc	30.57	+21	34	-	0	N	2	o	-	-	40	30	-	-	
"	Corunna.	30.43	54	NNE	3	bc	30.37	-16	41	37	0	ESE	1	f	3	-	55	36	-	-	
"	Lisbon.	30.35	49	NNE	4	bc	30.30	-07	42	39	-4	NNE	4	bc	-	-	54	41	-	-	
"	P. Delgada.	30.23	59	ESE	5	o	30.18	-10	59	58	0	SSE	5	o	4	-	63	59	-	-	
5	Corunna.	30.36	54	ENE	1	bc	30.29	-08	43	39	+2	ENE	1	bc	3	-	55	37	-	-	
"	P. Delgada.	30.15	51	WNW	4	bc	30.06	-12	59	55	0	SW	5	o	3	-	63	54	-	-	
6	Corunna.	30.20	63	E	1	bc	30.05	-24	46	43	+3	E	1	bc	3	-	64	41	-	-	
"	P. Delgada.	30.16	53	NNW	4	o	30.24	+18	50	45	-9	N	3	c	3	-	63	48	-	-	
7	Blacksea Pt.	-	-	-	-	-	29.36	+03	47	46	-4	SSW	10	rg	7	g h's	51	43	-	0.25	
"	Nice.	30.36	46	Z	0	bc	30.41	+03	44	-	+1	Z	0	bc	0	-	57	41	-	-	
"	Corunna.	30.05	59	SSE	1	bc	30.25	+20	51	47	+5	SSE	1	f	5	-	59	43	-	-	
"	Lisbon.	30.17	49	NW	5	+	30.24	+10	49	47	0	NNE	4	o	-	-	59	46	-	0.63	
"	P. Delgada.	30.24	58	SW	5	bc	30.17	-07	59	57	+9	S	5	o	4	-	61	50	-	-	
8	Blacksea Pt.	29.47	52	SW	7	rg m	29.71	+35	52	51	+5	SW	7	om	6	rg	53	42	-	0.47	
"	Nice.	30.48	45	SW	1	c	30.62	+21	38	-	-6	E	2	c	1	-	54	37	-	-	
"	Newton Reigny.	29.51	49	SW	10	+	29.72	-01	52	51	+10	SW	7	o	-	+	53	42	0.0	1.32	
9	Corunna.	30.47	59	SSE	1	f	30.56	?	48	46	?	SSE	1	f	3	-	59	43	-	-	
"	P. Delgada.	30.14	61	S	6	m	30.07	-03	60	57	0	S	6	o	5	-	64	59	-	-	
10	Corunna.	30.58	64	SSE	1	bc	30.55	-01	49	45	+1	SSE	1	f	3	-	66	43	-	-	
11	The Holder.	30.42	43	SW	5	o	30.34	-25	44	-	+7	WSW	4	c	5	-	45	37	-	-	
"	Corunna.	30.54	57	SSE	1	bc	30.40	-15	47	43	-2	SSE	1	f	3	-	63	41	-	-	
"	P. Delgada.	30.13	62	SE	5	m	30.01	-11	60	58	0	SE	5	m	5	-	66	59	-	-	
12	Corunna.	30.43	57	SSE	1	bc	30.43	+03	42	41	-5	SSE	1	f	3	-	64	37	-	-	
"	Lisbon.	30.37	56	NNE	4	bc	30.40	-02	46	43	-2	NNE	4	bc	-	-	63	46	-	-	
"	P. Delgada.	30.01	59	SSE	6	m	30.00	-01	59	58	-1	ESE	5	o	4	-	63	57	-	0.04	
13	Corunna.	30.39	58	SE	1	bc	30.32	-11	42	40	0	NE	1	f	3	-	55	37	-	-	
"	P. Delgada.	29.93	60	ESE	5	o	29.72	-28	59	58	0	SE	5	m	5	-	63	57	-	0.79	
14	Corunna.	30.27	55	NE	2	bc	30.20	-12	39	38	-3	ENE	1	f	2	-	57	36	-	-	
15	Newton Reigny.	29.98	46	W	4	o	29.95	-05	44	44	0	W	2	+	-	ogd	47	44	0.0	0.93	
16	Corunna.	30.16	61	E	1	bc	30.28	+12	52	50	+8	E	1	f	2	-	61	?	-	0.08	
"	P. Delgada.	29.89	62	SSW	6	m	29.88	+11	61	60	0	S	6	m	5	-	64	58	-	-	
17	Corunna.	30.31	37	E	1	bc	30.28	00	45	43	-7	E	1	f	2	-	59	37	-	-	
"	P. Delgada.	29.76	56	S	5	+	29.63	-25	58	51	-6	SSW	5	bc	6	-	64	52	-	0.63	
18	Corunna.	30.19	59	E	1	bc	30.28	00	54	50	+9	SSE	1	bc	2	-	61	45	-	-	
"	P. Delgada.	29.86	54	NNW	4	+	29.98	+35	53	49	-2	W	3	bc	3	-	59	52	-	0.04	
19	Corunna.	30.34	64	SSE	1	bc	30.43	+15	46	43	-8	E	1	bc	2	-	?	39	-	-	
20	Brussels.	-	-	-	-	-	30.44	-07	43	41	+6	SW	4	o	-	-	50	36	-	-	
"	Corunna.	30.52	66	E	1	bc	30.62	+19	52	46	+6	ESE	1	o	3	-	68	45	-	-	
21	Perpignan.	30.63	61	NW	1	bc	30.62	-08	44	-	+10	SW	1	bc	-	-	73	?	-	-	
"	Corunna.	30.62	64	ESE	1	bc	30.58	-04	55	52	+3	S	3	bc	5	-	72	50	-	-	
"	Lisbon.	30.65	59	NNE	4	bc	30.70	+05	49	43	+1	NNE	4	bc	-	-	66	46	-	-	
22	Newton Reigny.	29.75	42	W	4	o	29.78	+04	42	42	-6	SSW	1	+	-	org	50	41	0.0	0.57	
23	Corunna.	30.34	70	S	3	bc	30.31	-16	47	45	-12	WNW	1	o	5	-	72	41	-	-	
"	P. Delgada.	30.65	58	NE	4	bc	30.65	+22	49	44	-8	N	3	bc	2	-	61	46	-	-	
24	Lyon.	30.14	55	N	1	c	30.45	+36	34	-	-15	NW	1	bc	-	-	66	34	-	-	
"	Corunna.	30.30	54	WNW	3	bc	30.20	-11	45	42	-2	S	3	bc	3	-	55	37	-	-	
"	Lisbon.	30.47	50	NNW	4	bc	30.43	+05	50	45	-6	N	1	c	-	-	57	45	-	-	
"	P. Delgada.	30.43	58	SW	5	o	30.24	-41	58	55	+9	WSW	4	o	4	-	59	?	-	0.08	
25	Corunna.	30.16	55	SSW	4	o	30.12	-08	57	49	+6	SW	1	o	6	-	57	45	-	0.35	
"	P. Delgada.	30.29	53	N	3	bc	30.27	+03	55	51	-3	WNW	4	bc	4	-	61	52	-	-	
26	Corunna.	30.04	57	SW	3	o	30.20	+08	49	46	-2	SW	3	o	7	-	57	43	-	0.08	
"	Lisbon.	30.24	54	W	3	+	30.38	+10	53	50	+2	SSW	2	bc	-	-	59	50	-	-	
28	Blacksea Pt.	29.35	40	W	3	bc	29.30	+17	41	40	+1	SSW	5	rg m	4	cp h's	44	38	-	0.16	
"	Purstonstown.	29.40	41	SW	1	bc	29.43	+22	35	34	-6	SSW	2	rg	-	op, b	41	29	0.0	0.06	
"	Corunna.	29.85	60	SSW	9	o	30.20	+20	53	49	-4	W	6	o	7	-	61	45	-	0.20	

REPORTS FOR FEBRUARY, 1903.

1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY (CONT^D).

DATE.	STATIONS.	YESTERDAY EVENING					THIS MORNING.											PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9).	Weather.	TEMP.		Sun- shine.	Rainfall		
				At 32° and M.S.L.	Dry Bulb.		Direc.	Force (0 to 12).	At 32° Fabr. and M.S.L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.				Direc.	Force (0 to 12).			Max.	Min.
28 th	Lisbon.	Ins.	°				Ins.	Ins.	°	°	°								Hours.	Ins.		
"	Newton Reigny.	30.28	58	SSW	H	0	30.33	-.03	55	53	-1	WNW	2	0	-	-	61	55	-	0.20		
		29.30	38	W	H	C	29.42	+ .80	31	30	-10	S	1	6	-	44, C, 6	43	29	0.0	0.36		

2. CORRECTIONS.

[illegible]