

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]*	[1895]	[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	48.3	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]*	[1895]	[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]	[15]*	[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	—	—	—

* 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).

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....	29° 845	42° 1	40° 3	46° 2	36° 9	56	1900	21	1899	17	2° 06	—	—
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

Thursday 1st January.

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.		
				Dirac.	Force (0 to 12.)		At 32° Fabr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dirac.	Force (0 to 12.)			Max.	Min.				
																				At 32° and M. S. L.	Dry Bulb.	Dirac.	Force (0 to 12.)	Weather.	Max.	Min.
		Ins.	°				Ins.	Ins.	°	°											
SCANDINAVIA.	Haparanda ...	29.89	3	Z	0	0	29.97	+32	-7	-8	-14	NNE	2	0	-	10	?	*	-		
	Hernösand ...	29.80	22	Z	0	0	29.76	+16	17	16	-1	NE	2	0	-	22	12	*	-		
	Stockholm ...	29.67	?	NW	2	0	29.50	-10	21	20	+11	N	6	0	-	21	7	*	-		
	Wisby ...	29.50	30	ESE	4	0	29.30	-25	30	29	+2	N	9	5	-	32	25	*	0.39		
	Karlstad ...	29.68	19	NE	1	0	29.68	+14	18	17	0	NE	2	0	-	*	*	*	-		
	Færder (X'ania Fjord)	29.60	27	ENE	4	0	29.68	+23	23	23	-4	NE	4	0	2	28	21	*	-		
	Bodö ...	29.65	18	E	4	0	29.64	+07	21	18	+2	E	4	0	1	21	16	*	-		
	Christiansund ...	29.51	29	ESE	2	0	29.57	+21	28	26	0	ESE	2	5	-	29	25	*	0.04		
BRITISH ISLANDS.	Skudesnaes ...	29.45	36	ESE	6	0	29.55	+25	34	31	+3	ESE	4	0	3	0.0	36	31	*	*	
	Sumburgh Head ...	29.34	37	NE	3	0	29.35	+08	37	36	+1	S	2	0	4	bc, b	38	33	*	0.02	
	Stornoway ...	29.34	33	Z	0	0	29.32	+05	35	34	0	WNW	2	0	2	bc, b	37	31	0.9	0.04	
	Malin Head ...	29.40	41	NNW	4	0	29.42	+10	37	37	-3	SW	4	0	3	c	41	36	*	0.04	
	Blacksod Pt. ...	29.48	40	WSW	4	0	29.44	00	43	42	+2	S	3	0	3	bc, bcp	43	34	*	0.07	
	Valencia ...	29.54	41	W	2	0	29.50	-01	42	40	0	SE	3	0	4	c, og	45	35	1.5	0.10	
	Roche's Point ...	29.55	41	NW	2	0	29.60	+20	34	34	-4	NNE	1	0	0	bc, b	42	33	*	-	
	Parsonstown ...	29.50	34	E	1	0	29.53	+12	29	29	-5	E	1	0	*	b	40	28	2.4	-	
GERMANY, &c.	Donaghadee ...	29.42	38	WNW	2	0	29.50	+13	34	33	-9	W	1	0	1	-	44	31	*	-	
	Liverpool Obsy. ...	29.42	39	NW	1	0	29.59	+36	37	36	-3	W	1	0	1	bc	41	36	*	-	
	Holyhead ...	29.42	42	NW	3	0	29.55	+28	39	37	-5	SW	1	0	1	chp	44	36	*	0.02	
	Pembroke (St. Ann's)	29.48	43	NW	4	0	29.59	+27	39	38	-4	NE	2	0	3	bc, m	44	37	1.9	-	
	Scilly (St. Mary's) ...	29.54	45	NW	4	0	29.55	+16	44	42	+2	WSW	1	0	3	c	47	39	3.7	0.02	
	Jersey (St. Aubins) ...	29.48	43	NW	5	0	29.63	+37	40	38	-2	NNW	1	0	1	bc	45	38	*	-	
	Portland Bill ...	29.42	38	WNW	2	0	29.63	+43	30	30	-8	NW	2	0	1	c, b	41	29	*	-	
	Dungeness ...	29.42	38	WNW	2	0	29.63	+43	30	30	-8	NW	2	0	1	c, b	41	29	*	-	
FRANCE.	Wick ...	29.36	38	NNE	2	0	29.38	+11	35	34	-3	S	2	0	3	hp, c	39	26	*	0.04	
	Nairn ...	29.36	30	Z	0	0	29.39	+12	30	28	-2	Z	0	0	1	-	35	23	*	-	
	Aberdeen ...	29.35	33	WNW	2	0	29.46	+24	28	27	-8	Z	0	0	2	bc	38	27	?	-	
	Leith ...	29.35	35	NW	1	0	29.47	+24	27	26	-10	NW	1	0	1	bc	43	26	*	-	
	North Shields ...	29.32	36	NW	3	0	29.52	+40	30	29	-9	SW	2	0	2	hp, c	41	30	*	0.10	
	Spurn Head ...	29.26	38	WNW	5	0	29.54	+49	36	35	-3	W	4	0	3	-	41	34	*	-	
	Yarmouth ...	29.26	38	W	4	0	29.54	+47	30	29	-7	W	3	0	3	bc	41	29	*	-	
	Loughborough ...	29.40	37	WNW	2	0	29.59	+44	32	31	-5	WNW	1	0	1	bc, bc, b	40	28	*	-	
SPAN. PEN.	Oxford ...	29.49	35	W	1	0	29.64	+44	31	31	+6	HSW	1	0	1	b	42	31	*	-	
	London (Brixton) ...	29.41	41	NW	2	0	29.63	+45	31	30	-5	NW	1	0	1	bc, m	42	29	0.0	-	
	The Scaw (Skagen) ...	29.46	35	SE	5	0	29.60	+24	28	27	-5	ENE	3	0	1	-	36	27	*	0.04	
	Fanö ...	29.39	32	ESE	2	0	29.48	+22	33	32	-1	ENE	3	0	0	-	36	32	*	-	
	Cuxhaven ...	29.34	35	S	1	0	29.36	+10	35	35	+2	SSE	1	0	0	-	36	38	*	-	
	The Helder ...	29.17	40	WSW	4	0	29.48	+36	40	38	+3	NW	6	0	6	-	41	37	*	0.32	
	Brussels ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	
	Berlin ...	29.44	35	SW	1	0	29.56	+20	34	33	+1	SW	1	0	0	-	36	32	*	-	
SPAN. PEN.	Frankfurt ...	29.53	38	SW	2	0	29.65	+35	37	36	+1	SW	2	0	0	-	39	36	*	-	
	Munich ...	29.62	29	SW	3	0	29.77	+38	28	26	-3	SW	5	0	0	-	34	21	*	0.16	
	C. Gris Nez ...	?	42	W	5	0	29.63	+44	40	38	-2	W	3	0	3	-	45	37	*	-	
	Brest ...	29.63	42	N	4	0	29.65	+21	46	44	+2	WNW	2	0	3	-	48	36	*	0.08	
	Lorient ...	29.65	42	NW	4	0	29.71	+46	46	45	+7	NW	3	0	0	-	48	41	*	0.04	
	Rochefort ...	29.69	46	WNW	4	0	29.83	+34	47	45	+7	S	3	0	0	bc, c	47	36	*	0.16	
	Biarritz ...	29.83	47	WSW	6	0	29.85	+27	44	44	-1	SSW	1	0	4	-	47	43	*	1.30	
	Paris ...	29.52	37	SW	4	0	29.73	+36	33	33	+2	SW	3	0	0	-	39	31	*	0.12	
SPAN. PEN.	Belfort ...	29.61	32	SW	5	0	29.80	+36	33	32	+2	SW	3	0	0	-	38	31	*	0.04	
	Lyons ...	29.73	31	SE	1	0	29.91	+35	33	32	+6	SE	1	0	0	-	34	27	*	0.04	
	Nice ...	29.55	39	Z	0	0	29.76	+44	38	31	-1	E	4	0	4	-	48	34	*	-	
	Perpignan ...	29.73	44	N	3	0	29.88	+36	36	34	-5	SW	2	0	0	-	50	35	*	-	
	Corunna ...																	*	-		
	Lisbon ...																	*	-		
	Azores (P. Delgada) ...	30.31	57	NNW	3	0	30.24	-06	61	59	+5	SW	4	0	3	-	63	55	*	-	
	" (Horta) ...	30.29	59	ESE	4	0	30.19	-13	62	61	+3	SW	4	0	2	-	64	57	*	0.28	

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, 1st January, 1902.*

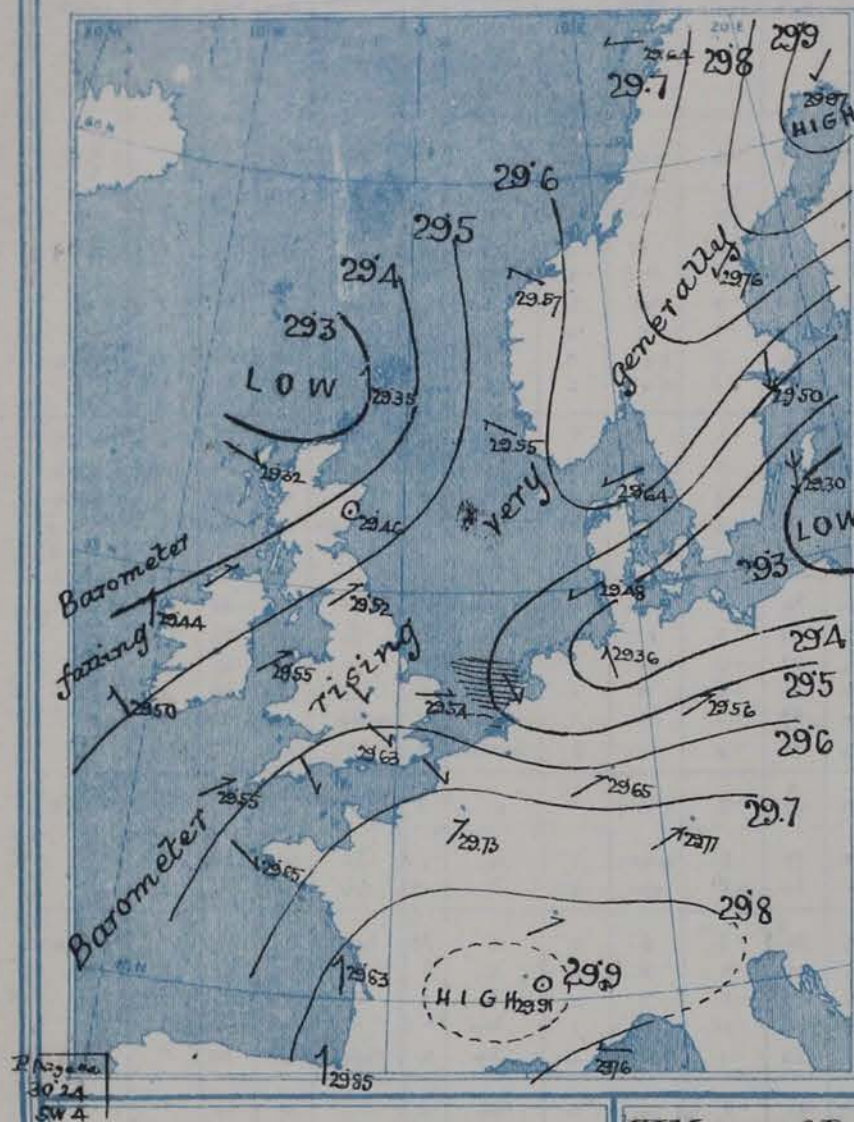
I. BAROMETER, WIND AND SEA. *This Morning.*

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 JANUARY.

Specimen (Average No. of Hours daily) 0.9
(for Stornaway) Total Possible 7.1



V. Means of DAILY TEMPERATURE

at 8 A.M. for the Two monthly period.

DECEMBER-JANUARY (1871-1900.)



GENERAL SITUATION AT 8 A.M.

PRESSURE

Barometric readings this morning are high both in the south west of France, and at the north of the Gulf of Bothnia, low in a complex low pressure area extending from the Baltic to the North Sea, as well as in the North of Scotland. The actual readings range from 29.97 ins. at Haparanda and 29.91 ins. at Lyons to 29.30 ins. at Wisby, 29.36 ins. at Cuthaven, and 29.38 ins. at Sumburgh Head. The Baltic depression is filling up but a new low pressure system is approaching our extreme western coasts from the Atlantic.

WIND

The wind over Great Britain has become very light and variable from between North-West and West, in France it is South Westerly in Norway Easterly. In the West of Ireland, however, it has backed to the Southward and is freshening.

TEMPERATURE

Temperature ranges from 44° at Scilly and 42° at Valencia, to 27° at Leith and Newton Reigny, 29° at Parsonstown and 31° in London, and is below the average generally, especially at the inland stations. At Paris it is 33°, at Berlin 34°, at Stockholm 21°, and Haparanda -7° F.

WEATHER

The weather generally is dull and unsettled over all the countries lying to the eastward of the North Sea, with snow and cold rain in several places. In our Islands it is fine (foggy in London) but in the extreme west it is dull again.

AND

The sea is moderate at several northern and western stations, and is rising in the far West.

SEA

In the past night the temperature has been as low as 23° at Nairn, 26° at Wick and Leith, 28° in several places, 29° in London. Bright Sunshine has been considerable at some western and northwestern stations.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The wind is likely to shift Southward over the United Kingdom, first at our western and northern stations, and later over England. Temperature will increase, and rain prevail in the west to day, and east to morrow.

FORECASTS*

For the 24 hours ending at NOON on 2nd January 1903

DISTRICTS.

FORECASTS.

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

Wind backing to SW and S, and increasing in force; milder and then showery. SW^{ly} and S^{ly} breezes, light; foggy at first, fair and milder subsequently

DISTRICTS.

FORECASTS.

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

SW^{ly} and S^{ly} winds increasing greatly in force: milder squally rainy

WARNINGS

NONE ISSUED.

Note.—The South Cone, point downwards (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 (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	*	*	*	*	*	*	*	*	*	*	bc	*	c	41	30	1.3	-
Newton Reigny (Penrith) ...	29.39	29	20	b	29.52	+ .34	27	26	- 8	SE 1	csp	*	c, bc, s	38	24	1.5	-
Bath	29.46	38	W 1	o	29.63	+ .43	31	30	+ 4	W 1	o	*	-	44	30	2.4	-

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.	42	32	b, c	5.5	0.01	Eastbourne.	40	30	*	1.6	*
Rhyl.	*	*	*	4.2	*	Hastings.	*	*	*	0.9	*
Llandudno.	*	*	*	4.1	*	Lowestoft, to 6 p.m.	41	33	c, o, t, c	6.0	-
Aberystwyth, to 6 p.m.	45	41	cp	2.0	-	Harrogate, to 6 p.m.	40	33	c	1.5	-
Plymouth, to 9 p.m.	44	35	b, cp, b	3.2	0.04	Manchester, to 9 p.m.	41	30	c, b, f	0.0	-
Worthing.	*	*	*	0.8	*	Darwen, to 9 p.m.	38	29	c, o, bv	1.9	-
Brighton.	*	*	*	0.0	*	Birmingham, to 9 p.m.	40	34	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. °		
31. X 11. 02				Ins.					Ins.
Madeira (Funchal)	*	*	*	*	Algiers	61	45	o	0.55
Madrid	*	*	*	*	Tunis	59	41	m	-
Corsica (I. Sanguinaires) ...	?	?	m	?	Vienna	36	34	m	-
Rome	56	48	o	0.67	St. Petersburg	30	19	r	Measured 7 a.m.
Florence	52	44	r	0.28	Lugano 30. X 11. 02 ...	34	—	s	0.35
Trieste	55	46	o	0.16	Davos	32	—	s	-
Naples	57	49	o	—	Lucerne	34	—	s	-
Palermo	65	48	o	0.47	Lausanne	34	—	s	0.16
Malta	60	54	?	—					

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.	1 JAN. 1902	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	8.6	11.57	3.48
Germany, Denmark, Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.		8 p.m. (M.E.T.)	7 p.m.		Greenwich	8.8	12.4	4.0
France	7 a.m. (Paris)	6.51 a.m.		6 p.m. (Paris)	5.51 p.m.		Wick	9.5	12.16	3.27
Spain	9 a.m. (San Fernando)	9.25 a.m.		6 p.m. (San Fernando)	6.25 p.m.		Valencia	8.51	12.45	4.38
Portugal	8 a.m. (Lisbon)	8.36 a.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.

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

DAILY WEATHER REPORT

for 8 a.m. on FRIDAY 2ND JANUARY

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.	Dirac.	Force (0 to 12.)	Weather.	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.				
																					Ins.	°
SCANDINAVIA.	Haparanda ...	29.81	-6	NE	2	o	29.72	-25	5	4	+12	NNE	4	S	*	-	5	-11	*	0.04		
	Hernösand ...	29.70	11	Z	0	o	29.80	+04	5	4	-12	W	2	b	*	-	21	5	*	-		
	Stockholm ...	29.65	21	WNW	6	S	29.84	+34	10	9	-11	W	2	b	*	-	25	10	*	0.04		
	Wisby ...	29.73	27	N	6	o	29.84	+54	26	25	-4	N	4	o	*	-	32	23	*	0.20		
	Karlstad ...	29.77	13	NW	2	b	29.90	+22	12	12	-6	NW	2	o	*	-	*	*	*	-		
	Færder (X'ianla Fjord)	29.80	23	NNW	2	b	29.86	+18	22	21	-1	NNW	1	o	1	-	23	21	*	-		
	Bodö ...	29.69	19	E	4	b	29.65	+01	20	18	-1	E	4	b	1	-	21	18	*	-		
	Christiansund ...	29.67	28	ESE	2	b	29.63	+06	32	28	+4	SE	2	bc	4	-	32	27	*	-		
	Skudesnaes ...	29.72	31	ESE	6	c	29.65	+10	33	31	-0	ESE	8	c	4	o.c	36	28	*	*		
	Sumburgh Head	29.33	40	S	3	o	29.13	-22	43	42	+6	SSE	6	o	6	c.o	43	37	*	0.02		
BRITISH ISLANDS.	Stornoway ...	29.20	41	SSW	5	o	29.00	-32	42	40	+7	W	3	bc	4	o.b	43	33	0.0	0.26		
	Malin Head ...	29.26	38	S	6	bc	29.07	-35	39	39	+2	SSW	4	b	3	c, bc, p	42	36	*	0.06		
	Blacksod Pt. ...	29.20	48	SSW	6	opm	29.12	-32	45	43	+2	SW	5	bcp	4	cp, opm	49	40	*	0.68		
	Valencia ...	29.39	48	SSW	5	img	29.24	-26	45	44	+3	SSW	2	o	4	cmpt, img	50	42	0.0	0.48		
	Roche's Point ...	29.49	48	WSW	2	op	29.27	-33	47	46	+13	W	3	c	4	o, op, t	50	32	*	0.14		
	Parsonstown ...	29.40	40	SE	3	o	29.22	-31	37	37	+8	SE	1	b	*	op, t	47	29	0.0	0.44		
	Donaghadee ...	29.43	40	SSW	2	o	29.10	-40	44	43	+10	SSW	3	ot	2	-	44	32	*	0.50		
	Liverpool Obsy.	29.58	37	S	3	op	29.21	-38	44	43	+7	SSE	5	o	4	c, op	45	36	*	0.01		
	Holyhead ...	29.51	42	SSW	3	tgm	29.19	-36	45	41	+6	W	6	cp	4	c, tgm	45	37	*	0.49		
	Pembroke (St. Ann's)	29.54	46	SW	6	t	29.30	-29	50	48	+11	WSW	6	ogu	6	t, gp	51	45	0.8	0.32		
GERMANY, &c.	Scilly (St. Mary's)...	29.63	49	WSW	4	o	29.36	-19	48	46	+4	WSW	5	o	3	c.o	51	41	4.4	0.31		
	Jersey (St. Aubins)...	29.68	44	S	1	c	29.42	-21	48	48	+8	SSW	5	t	5	c	48	38	*	0.20		
	Portland Bill ...	29.70	38	Z	0	b	29.59	-04	46	46	+16	S	5	t	4	b	46	29	*	0.13		
	Dungeness ...	29.70	38	Z	0	b	29.59	-04	46	46	+16	S	5	t	4	b	46	29	*	0.13		
	Wick ...	29.34	39	SE	3	c	29.07	-31	40	40	+5	SE	4	t	3	-	42	33	*	0.25		
	Nairn ...	29.34	38	W	2	c	29.06	-33	39	38	+9	Z	0	t	1	-	42	27	*	0.03		
	Aberdeen ...	29.46	35	W	3	m	29.14	-32	41	41	+13	S	6	tq	4	bc, m	42	27	?	0.28		
	Leith ...	29.46	38	SW	2	b	29.10	-37	43	41	+16	S	1	t	*	-	43	26	*	-		
	North Shields ...	29.56	35	SW	2	bc	29.24	-28	40	40	+10	S	4	t	3	cm, bc	40	30	*	-		
	Spurn Head ...	29.64	36	SSW	3	m	29.39	-15	39	39	+3	SSE	5	t	4	-	41	35	*	0.02		
FRANCE.	Yarmouth ...	29.66	35	W	2	bc	29.56	+02	41	40	+11	S	4	ag	4	bc	41	30	*	0.01		
	Loughborough ...	29.66	31	ESE	1	o	29.40	-19	42	41	+10	SSW	5	otq	*	cm, omr	42	28	*	0.11		
	Oxford ...	29.70	36	SW	2	c	29.42	-22	45	44	+14	S	3	rg	*	bc, t	45	31	*	0.15		
	London (Brixton)	29.70	36	SSW	2	o	29.49	-14	45	44	+14	SW	4	ot	*	b, o, t	45	30	0.0	0.06		
	The Scaw (Skagen)	29.78	27	Z	0	bc	29.88	+28	27	26	-1	Z	0	o	0	-	32	27	*	-		
	Fanö ...	29.80	30	NE	2	b	29.85	+37	31	30	-2	NE	2	o	*	-	34	28	*	-		
	Cuxhaven ...	29.70	35	NE	1	o	29.84	+48	33	33	-2	S	1	o	*	-	36	33	*	0.16		
	The Helder ...	29.68	38	WSW	3	b	29.71	+23	35	35	-5	SSW	2	m	2	-	41	34	*	0.04		
	Brussels ...	*	*	*	*	*	29.76	*	40	39	*	SSW	3	o	*	-	40	33	*	-		
	Berlin ...	29.71	37	W	2	o	29.93	+37	35	34	+1	W	2	o	*	-	37	34	*	0.08		
SPAN. PEN.	Frankfurt ...	29.89	37	SW	2	c	29.94	+29	37	36	0	SSW	2	o	*	-	41	36	*	-		
	Munich ...	29.93	31	SW	5	c	30.04	+27	28	26	0	SSE	3	c	*	-	36	25	*	-		
	C. Gris Nez ...	29.73	41	SSW	3	c	29.65	+02	40	39	0	SSW	5	t	4	-	43	37	*	0.43		
	Brest ...	29.75	49	W	3	o	29.53	-12	51	50	+5	SW	6	t	6	-	?	?	*	0.28		
	Lorient ...	29.73	49	W	4	t	29.65	-06	53	53	+7	SW	6	t	5	-	53	45	*	0.32		
	Rochefort ...	29.85	48	W	1	bc	29.86	+03	51	48	+4	SSW	4	o	*	o, bc	51	46	*	0.08		
	Biarritz ...	30.00	50	SW	5	o	30.07	+22	50	48	+6	S	4	bc	3	-	52	44	*	0.20		
	Paris ...	29.86	36	SSW	3	o	29.83	+10	43	42	+10	SW	4	o	*	-	?	33	*	0.04		
	Belfort ...	29.93	34	WSW	4	c	29.99	+19	34	33	+1	WSW	3	S	*	-	40	32	*	-		
	Lyons ...	30.02	35	S	1	bc	30.12	+21	53	52	0	SE	1	o	*	-	42	31	*	0.04		
Nice ...	29.90	39	Z	0	b	30.11	+35	35	30	-3	ENE	4	b	4	-	48	34	*	-			
Perpignan ...	30.02	39	Z	0	b	30.14	+26	37	36	+1	SW	2	b	*	-	51	34	*	-			
SPAN. PEN.	Corunna ...																	*				
	Lisbon ...																	*				
SPAN. PEN.	A. res (P. Delgada)																	*				
	" (Horta)	30.02	63	SSW	5	o	29.97	-22	61	59	-1	SW	3	c	2	-	64	61	*	0.91		

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, 2nd January, 1902*

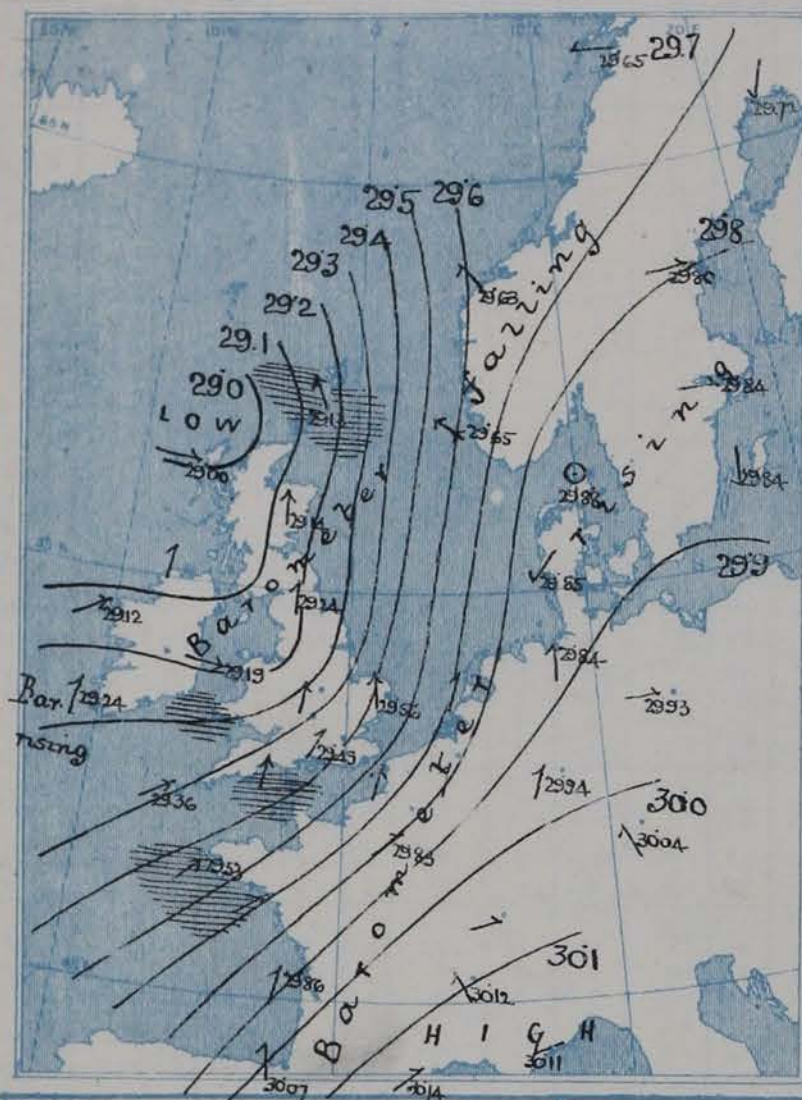
I. BAROMETER, WIND AND SEA. *This Morning.*

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

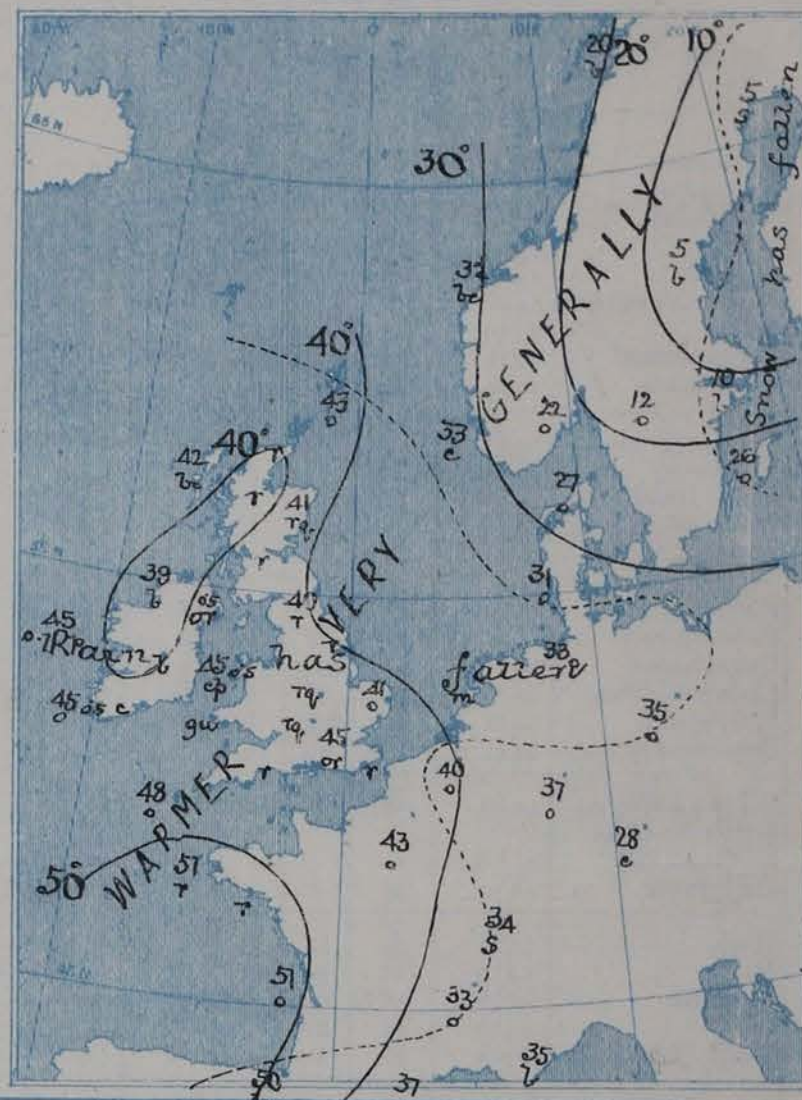


II. TEMPERATURE AND WEATHER. *This Morning.*

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 JANUARY.

Specimen (for Stornaway) { Average N^o of Hours daily } 0.9
Total Possible 7.1



V. Means of DAILY TEMPERATURE

at 8 A.M. for the Two monthly period
DECEMBER-JANUARY (1871-1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

Barometric readings this morning are high both in the south west of France, and at the north of the Gulf of Bothnia, low in a complex low pressure area extending from the Baltic to the North Sea, as well as in the North of Scotland. The actual readings range from 29.97 ins. at Haparanda and 29.91 ins. at Lyons to 29.30 ins. at Wisby, 29.36 ins. at Larkhaven, and 29.30 ins. at Sumburgh Head. The Baltic depression is filling up but a new low pressure system is approaching our extreme western coasts from the Atlantic.

WIND

The wind over Great Britain has become very light and variable from between North-West and West, in France it is South Westerly, in Norway Easterly. In the West of Ireland, however, it has backed to the Southward and is freshening.

TEMPERATURE

Temperature ranges from 44° at Scilly and 42° at Valencia, to 27° at Leith and Newton Reigny, 29° at Parsonstown and 31° in London, and is below the average generally, especially at the inland stations. At Paris it is 33°, at Berlin 34°, at Stockholm 21°, and Haparanda -7° F.

WEATHER

The weather generally is dull and unsettled over all the countries lying to the eastward of the North Sea, with snow and cold rain in several places. In our Islands it is fine (foggy in London) but in the extreme west it is dull again.

AND

The sea is moderate at several northern and western stations, and is rising in the far West.

SEA

In the past night the temperature has been as low as 23° at Cairn, 26° at Wick and Leith, 28° in several places, 29° in London. Bright Sunshine has been considerable at some western and northwestern stations.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The wind is likely to shift Southward over the United Kingdom, first at our western and northern stations, and later over England. Temperature will increase, and rain prevail in the west to day, and east to morrow.

FORECASTS *

For the 24 hours ending at NOON on 2ND January 1902

DISTRICTS.

FORECASTS.

0	{ SCOTLAND NORTH	} Wind backing to SW and S, and increasing in force; milder and then showery. SW ^{ly} and S ^{ly} breezes, light; foggy at first, fair and milder subsequently
1	{ SCOTLAND EAST	
2	{ ENGLAND N.E.	
3	{ ENGLAND EAST	
4	{ MIDLAND COUNTIES	
5	{ ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	{ SCOTLAND WEST	} SW ^{ly} and S ^{ly} winds increasing greatly in force; milder. Squally. Rainy
7	{ ENGLAND N.W.	
8	{ ENGLAND S.W.	
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	*	c	41	30	1.3	-
Newton Reigny (Penrith)	29.39	29	20	b	29.52	+34	27	26	-8	SE 1	csp	*	c, bc, s	38	24	1.5	-
Bath	29.46	38	W 1	o	29.63	+43	31	30	+4	W 1	o	*	-	44	30	2.4	-

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....	42	32	b, c	5.5	0.01	Eastbourne	*	*	*	1.6	*
Rhyl	*	*	*	4.2	*	Hastings	*	*	*	0.9	*
Llandudno	*	*	*	4.1	*	Lowestoft, to 6 p.m. ...	41	33	c, o, t, c	6.0	-
Aberystwyth, to 6 p.m. ...	45	41	cp	2.0	-	Harrogate, to 6 p.m. ...	40	33	c	1.5	-
Plymouth, to 9 p.m....	44	35	b, cp, b	3.2	0.04	Manchester, to 9 p.m. ...	41	30	c, b, f	0.0	-
Worthing	*	*	*	0.8	*	Darwen, to 9 p.m. ...	38	29	c, o, b, v	1.9	-
Brighton	*	*	*	0.0	*	Birmingham, to 9 p.m. ...	40	34	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.		
31. X. 11. 02				Ins.					Ins.
Madeira (Funchal)					Algiers	61	45	o r 22	0.55
Madrid					Tunis	59	41	m c	-
Corsica (I. Sanguinaires) ...	?	?	m m	?	Vienna	36	34	m m	-
Rome	56	48	o o	0.67	St. Petersburg... ..	30	19	r o	Measured 7 a.m.
Florence	52	44	r r	0.28		1 p.m.		1 p.m.	
Trieste	55	46	o o	0.16	Lugano	34	-	s	0.35
Naples	57	49	o o	-	Davos	32	-	s	-
Palermo	65	48	o o	0.47	Lucerne	34	-	s	-
Malta	60	54	?	o	Lausanne	34	-	s	0.16

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 JAN., 1903	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	8.6	11.57	3.48
Greenwich	8.8	12.4	4.0
Wick	9.5	12.16	3.27
Valencia	8.51	12.45	4.38

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 *Saturday, 3rd January*

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 82° and M.S.L.	Dry Bulb.	Dirac.	Force (0 to 12.)	Weather.		At 82° Fahr. 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.)		Max.	Min.	Sun- shine. — Hours	Rainfall. — Ins.	
	Ins.	°					Ins.	Ins.	°	°											
SCANDINAVIA.	Haparanda ...	29.77	9	N	4	b	29.77	+0.5	1	1	-4	SE	2	0	*	-	9	-11	*	-	-
	Hernösand ...	29.88	-7	Z	0	b	29.84	+0.4	-7	-8	-12	Z	0	b	*	-	12	-7	*	-	-
	Stockholm ...	30.00	6	W	2	b	29.98	+1.4	15	15	+5	Z	0	f	*	-	21	5	*	-	-
	Wisby ...	30.02	21	Z	0	b	29.99	+1.5	25	24	-1	SE	2	f	*	-	32	16	*	-	-
	Karlstad ...	29.99	19	NNW	2	0	29.85	-0.5	18	18	+6	NE	4	0	*	-	*	*	*	-	-
	Færder (X'ania Fjord)	29.70	24	SE	4	0	29.65	-2.1	27	26	+5	ESE	6	0	3	-	27	21	*	-	-
	Bodö ...	29.54	27	E	4	3	29.52	+1.3	30	28	+10	E	4	b	1	-	30	19	*	-	-
	Christiansund ...	29.51	35	ESE	4	b	29.35	-2.8	37	33	+5	S	5	c	5	-	37	32	*	-	0.04
	Skudesnaes ...	29.52	35	SE	10	0	29.26	-3.9	39	35	+6	SE	10	0	7	2.0	39	32	*	-	*
BRITISH ISLANDS.	Sumburgh Head	29.02	40	SSE	3	r	28.93	-2.0	41	40	-2	SSE	2	0	6	r	43	36	*	-	0.68
	Stornoway ...	28.98	40	SSW	2	b	28.81	-1.9	40	39	-2	WSW	3	0	4	c, b	45	38	2.1	-	0.45
	Malin Head ...	29.04	40	S	4	b	28.92	-1.5	40	39	+1	SW	6	c, b	4	b, c	43	37	*	-	0.06
	Blacksod Pt. ...	29.03	46	SW	5	b	29.08	-0.4	43	41	-2	W	7	c, b, m	6	c, b, c	48	38	*	-	0.27
	Valencia ...	29.18	47	SW	4	c, b, r	29.30	+0.6	43	40	-2	WSW	6	o, b, r	6	o, b, c, r	48	41	0.0	-	0.37
	Roche's Point ...	29.24	47	WSW	3	b, r	29.33	+0.6	42	41	-5	W	4	c	4	r, b, c, r	49	40	*	-	0.83
	Parsonstown ...	29.16	41	SE	3	r	29.21	-0.1	39	38	+2	W	4	r	*	r, c	44	36	0.4	-	0.14
	Donaghadee ...	29.12	43	SW	2	c	29.08	-0.2	38	37	-6	W	2	b, c	2	-	45	36	*	-	-
	Liverpool Obsy.	29.18	44	SSE	3	r	29.24	+0.3	41	39	-3	WSW	4	b	3	r	47	38	*	-	0.14
	Holyhead ...	29.15	44	Z	0	r, g, m	29.23	+0.4	43	41	-2	WSW	5	c	4	c, m, r, g, m	47	39	*	-	0.59
	Pembroke (St. Ann's)	29.27	50	SW	6	b	29.35	+0.5	47	44	-3	SW	7	c, g, r	6	b, r, m	51	43	1.2	-	0.06
	Scilly (St. Mary's)...	29.37	52	W	5	0	29.45	+0.9	51	50	+3	WSW	7	o, g	6	o, r, m, p, l	54	46	0.0	-	0.14
	Jersey (St. Aubins)...	29.43	50	SW	4	r	29.52	+1.0	47	46	-1	WSW	5	r, g	4	r, b, c	51	38	*	-	0.16
	Portland Bill ...	29.43	50	WSW	5	c	29.56	-0.3	49	48	+3	WSW	6	b	4	o, c, b	50	45	*	-	0.21
	Dungeness ...	29.46	50	WSW	5	c	29.56	-0.3	49	48	+3	WSW	6	b	4	o, c, b	50	45	*	-	0.21
	Wick ...	29.05	39	SE	2	c	28.87	-2.0	42	40	+2	S	3	0	4	-	42	35	*	-	0.12
	Nairn ...	29.03	38	Z	0	b, c	28.88	-1.8	37	36	-2	W	1	c	1	-	40	34	*	-	0.04
GERMANY, &c.	Aberdeen ...	29.11	35	WSW	1	b	28.97	-1.7	38	37	-3	SW	2	r	3	b, c, b	42	34	0.3	-	0.60
	Leith ...	29.12	41	SW	1	b, c	29.02	-0.8	40	38	-3	SW	4	c	*	-	44	38	*	-	0.09
	North Shields ...	29.23	42	SSW	3	c	29.13	-1.1	41	40	+1	SW	2	r	2	r, c	46	40	*	-	0.37
	Spurn Head ...	29.31	43	SSE	4	f	29.24	-1.5	43	43	+4	SSW	5	r, g	4	f, r, l	46	39	*	-	0.29
	Yarmouth ...	29.37	45	SSW	3	0	29.33	-2.3	44	43	+3	SSW	3	c, g	3	r, o	45	41	*	-	0.15
	Loughborough ...	29.29	47	S	3	a	29.33	-0.7	46	43	+4	SSW	6	o, g, r	*	b, c, g, r, l	50	41	*	-	0.32
	Oxford ...	29.35	52	WSW	5	c	29.41	-0.1	45	43	0	S	3	0	*	r, o, r, l	52	44	*	-	0.39
	London (Brixton) ...	29.41	51	SW	4	o, d	29.47	-0.2	48	46	+3	SW	7	c, g	*	o, r, b	52	44	0.0	-	0.07
	The Scaw (Skagen) ...	29.84	31	S	4	0	29.52	-3.6	35	35	+8	SSE	6	S	2	-	36	27	*	-	-
	Fanö ...	29.65	33	SE	6	3	29.42	-4.3	38	37	+7	S	4	f	*	-	38	30	*	-	0.08
FRANCE.	Cuxhaven ...	29.72	36	SSE	4	0	29.52	-3.2	43	43	+10	SW	3	r	*	2.0	43	33	*	-	0.16
	The Helder ...	29.50	41	SSE	2	r	?	?	43	42	+8	SW	4	b	3	-	45	35	*	-	0.03
	Brussels ...	*	*	*	*	*	29.69	-0.7	49	48	+9	SSW	5	0	*	-	57	40	*	-	0.32
	Berlin ...	29.91	35	S	3	0	29.74	-1.9	35	35	0	S	3	r	*	-	37	30	*	-	0.04
	Frankfurt ...	29.71	41	S	2	r	29.78	-1.6	48	46	+11	SSW	4	r	*	-	48	37	*	-	0.63
	Munich ...	29.99	35	SW	4	0	29.95	-0.9	41	39	+13	SW	6	0	*	-	43	27	*	-	0.43
	C. Gris Nez ...	29.53	47	S	5	0	29.60	-0.5	48	47	+8	SSW	6	0	6	-	54	40	*	-	0.36
	Brest ...	29.58	53	SW	5	r	29.70	+1.7	52	50	+1	SW	5	b	6	-	54	50	*	-	0.12
	Lorient ...	29.66	53	SW	7	f	29.80	+1.5	52	51	-1	SW	5	0	5	-	55	50	*	-	0.59
	Rochefort ...	29.88	54	SSW	5	r	29.95	+0.9	52	51	+1	SW	6	r	*	-	54	41	*	-	0.71
SPAN. PEN.	Biarritz ...	30.06	55	SSW	4	b	30.10	+0.3	57	54	+7	S	2	0	3	-	57	54	*	-	*
	Paris ...	29.71	52	SW	4	0	29.81	-0.2	52	50	+9	SW	4	0	*	-	53	51	*	-	0.47
	Belfort ...	29.83	41	SW	6	r	29.95	-0.4	46	44	+12	SW	7	r	*	-	?	?	*	-	0.43
	Lyons ...	30.10	43	SSW	1	0	30.15	+0.3	44	42	+11	S	3	r	*	-	43	41	*	-	0.04
	Nice ...	30.15	40	E	1	b	30.18	+0.7	39	36	+4	ENE	2	b	2	-	48	34	*	-	-
SPAN. PEN.	Perpignan ...	30.17	45	Z	0	b	30.20	+0.6	41	39	+4	SW	2	0	*	-	58	34	*	-	-
	Corunna ...	30.29	56	SSW	3	0	30.33	+0.5	57	55	+4	SSW	4	0	*	-	59	54	*	-	0.08
SPAN. PEN.	Lisbon ...	30.29	56	SSW	3	0	30.33	+0.5	57	55	+4	SSW	4	0	*	-	59	54	*	-	0.08
	Azores (P. Delgada)	30.04	54	WNW	2	b	29.86	+1.1	61	60	0	S	6	0	3	-	64	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.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Barometric pressure is now highest over the south of France, and south Germany, whence a "ridge" extends northwards as far as the centre of Sweden; it is lowest in a rather deep depression which has reached our north west coasts from the Atlantic, and the actual readings range from 30.11 ins. at Nice, 30.04 ins. at Munich, and 29.90 ins. at Karlstad to 29.00 at Stornoway and 29.07 ins. at Malin Head.

WIND

The wind is southerly in the north eastern and eastern parts of Great Britain, south westerly in the south, and is very strong and squally in most places; in Ireland it is moderate from between South and West.

TEMPERATURE

Temperature has risen very generally; in the United Kingdom the readings range from 48° on the coasts of Devon and Cornwall to 39° at Spurn Head, Malin Head and Nairn. These do not differ much from the average.

WEATHER

The weather is very unsettled — dull, squally and rainy in many places. On the Continent it is fairer, and in the south of Sweden the sky is clear.

AND

SEA

The sea is generally moderate but at Sumburgh Head, Pembroke, Portland Bill, and at Ushant it is rough.

During the past day maximum temperatures of 50° or more have occurred at several western stations, 45° in London. Rain has fallen very generally and Bright Sunshine has been very deficient in the north.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The Atlantic pressure is still decreasing, and a continuance of mild changeable weather over our Islands and their neighbourhood is probable — gales at times — with brief intervals of quiet clear weather.

FORECASTS *

For the 24 hours ending at NOON on 3RD January 1903.

DISTRICTS.

FORECASTS.

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

Wind varying between S. and W. changeable in force from a moderate breeze to a gale; mild, squally, rainy

DISTRICTS.

FORECASTS.

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

Wind varying between S. and W. changeable in force from a moderate breeze to a gale; mild, squally, rainy.

WARNINGS

At 7 p.m. yesterday to Districts 6, 7, 9, 10 and parts of 0, and 8 '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. Ins. | Change.	Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	+	*	b, m	42	32	3.5	0.05
Newton Reigny (Penrith) ...	29.51	35	SE 3	m	29.11 - .41	40	40	+13	SE 4	+	*	c, o, g†	40	26	0.6	0.30
Bath	29.67	34	W 1	o	29.38 - .25	48	47	+17	SW 4	+	*	-	48	28	2.0	0.29

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....	39	32	c, o, d, o	1.2	0.02	Eastbourne, ...	*	*	*	3.8	*
Rhyl,	*	*	*	3.2	*	Hastings	*	*	*	2.9	*
Llandudno. NOT RECD. ...	*	*	*	*	*	Lowestoft, to 6 p.m. ...	37	28	c, b	3.0	-
Aberystwyth, to 6 p.m. ...	45	34	b, c, o	3.0	-	Harrogate, to 6 p.m. ...	42	29	b, c, b	3.9	-
Plymouth, to 9 p.m. NOT RECD.	*	*	*	5.2	*	Manchester, to 9 p.m. ...	41	30	f, c, b, o	0.6	-
Worthing	*	*	*	3.8	*	Darwen, to 9 p.m. ...	37	30	om, c, om	0.0	-
Brighton	*	*	*	*	*	Birmingham, to 9 p.m. NOT RECD.	*	*	*	*	*

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. I. O. 3.									
Madeira (Funchal)	Information not recd.			Ins.	Algiers				Ins.
Madrid					Tunis				
Corsica (I. Sanguinaires) ...					Vienna				
Rome					St. Petersburg				
Florence					31. XII. 02. 1 p.m.			1 p.m.	Measured 7 a.m.
Trieste					Lugano	41	—	6	2.32
Naples					Davos	25	—	5	0.59
Palermo					Lucerne	37	—	6c	0.32
Malta					Lausanne	36	—	6	0.32

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.	2. JAN. 4. 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	8. 6	11.57	3. 48
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick	8. 8	12. 4	4. 0
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.	Valencia	9. 5	12. 16	3. 28
Portugal	8 a.m. (Lisbon)	8.36 a.m.				8. 51	12. 45	4. 39

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 Sunday 4th January

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.
SCANDINAVIA.	Haparanda	29.85	14	SE	2	0	29.69	-08	21	21	+20	S	4	S	*	-	21	-11	*	0.04	
	Hernösand	29.77	27	S	2	0	29.50	-34	32	32	+39	SSE	4	r	*	-	32	-8	*	0.08	
	Stockholm	29.69	33	SE	6	0	29.39	-49	33	32	+18	SE	2	S	*	-	34	3	*	0.04	
	Wisby	29.71	33	SE	4	0	29.32	-67	33	32	+8	S	2	S	*	-	34	14	*	0.12	
	Karlstad	29.46	33	SE	4	0	29.36	-49	33	33	+15	S	2	0	*	-	*	*	*	0.28	
	Färder (X'ania Fjord)	29.32	36	SSE	7	f	29.30	-35	32	31	+5	NE	1	0	3	-	36	27	*	0.28	
	Bodö	29.41	29	E	4	bc	29.34	-18	21	18	-9	E	4	b	1	-	30	18	*	-	
	Christiansund	29.14	36	S	3	bc	29.14	-21	37	33	0	E	1	0	3	-	37	34	*	-	
	Skudesnaes	29.12	37	SSE	4	0	29.16	-10	41	39	+2	S	2	C	4	0	41	34	*	*	
	Sumburgh Head	28.84	39	SSE	2	r	29.00	+07	40	40	-1	WNW	3	0	6	c, r	43	37	*	0.55	
Stornoway	28.89	42	SW	2	bc	29.02	+21	40	39	0	SW	3	dp	3	b, bc	45	35	2.0	0.07		
Malin Head	29.14	43	W	8	c, r, h, q	29.33	+41	42	40	+2	W	8	cap	6	a, c, l, h	43	38	*	0.19		
Blacksod Pt.	29.29	44	W	8	b, q, m	29.56	+48	47	44	+4	WNW	6	c, q, m	5	bc, h, q, p, l	48	39	*	0.12		
Valencia	29.54	43	WSW	6	ch, q	29.72	+32	45	42	+2	SW	3	0	4	c, q, h, p	48	41	1.0	0.12		
BRITISH ISLANDS.	Roche's Point	29.59	43	WNW	4	bc, q	29.74	+41	44	42	+2	WSW	2	0	2	c, bc, q	47	41	*	0.18	
	Parsonstown	29.46	38	SE	5	cp	29.64	+43	41	40	+2	SW	1	c	*	cp	45	36	1.4	0.21	
	Donaghadee	29.25	41	W	4	bc, q	29.38	+30	43	41	+5	W	5	bc, q	3	bc, q, l	45	36	*	-	
	Liverpool Obsy.	29.48	43	W	6	bc	29.60	+36	45	41	+4	W	7	0	5	bc	46	41	*	-	
	Holyhead	29.45	44	WSW	8	b, q	29.59	+36	46	44	+3	W	7	bc, q	5	c, b, q	46	41	*	-	
	Pembroke (St. Ann's)	29.59	48	WSW	7	c	29.75	+40	49	46	+2	W	7	cu	6	c, h, p, l	50	47	2.6	0.26	
	Scilly (St. Mary's)	29.71	50	W	6	c	29.83	+38	50	48	-1	SW	4	0	5	c, l	52	46	5.3	0.01	
	Jersey (St. Aubins)	29.73	47	W	5	b	29.86	+34	48	46	+1	W	5	bc, p	5	bc, b	50	43	*	0.10	
	Portland Bill	29.70	46	W	5	b, q	29.85	+29	44	43	-5	W	5	c	3	c, b, q, l, h	49	43	*	0.25	
	Dungeness	29.70	46	W	5	b, q	29.85	+29	44	43	-5	W	5	c	3	c, b, q, l, h	49	43	*	0.25	
Wick	28.92	39	SW	3	c	29.08	+21	38	36	-4	S	3	c	2	-	42	37	*	-		
Nairn	28.95	39	W	2	bc	29.09	+21	39	38	+2	W	3	0	2	-	41	35	*	0.16		
Aberdeen	29.05	38	SW	2	b	29.18	+21	38	35	0	SW	4	bc	2	bc, b	40	36	0.9	0.01		
Leith	29.13	40	SW	4	0	29.24	+22	42	40	+2	SW	4	p, q	*	-	43	36	*	0.16		
North Shields	29.27	43	SW	3	bc	29.39	+26	41	38	0	SW	3	bc	2	c, bc	45	38	*	-		
Spurn Head	29.42	42	SW	5	b	29.54	+30	40	39	-3	SW	5	bc	3	-	44	38	*	0.07		
Yarmouth	29.50	43	W	5	b	29.66	+33	41	39	-3	WSW	4	b	3	c, b	47	39	*	0.03		
Loughborough	29.56	41	SW	4	b	29.67	+34	40	38	-6	SW	5	bc, q	*	c, b	46	40	*	0.45		
Oxford	29.71	42	WSW	4	b	29.79	+38	42	40	-3	SW	3	b	*	p, b, l, h	46	40	*	0.08		
London (Brixton)	29.68	43	W	2	b	29.83	+36	43	40	-5	WSW	5	b	*	c, l, h, b	50	40	1.4	0.08		
GERMANY, &c.	The Scaw (Skagen)	29.30	39	SSW	5	r	29.35	-17	36	36	+1	SW	3	m	1	-	39	34	*	0.32	
	Fanö	29.45	33	SW	4	b	29.51	+09	39	38	+1	SW	6	c	*	-	39	33	*	0.08	
	Cuxhaven	29.54	43	SSW	5	0	29.65	+13	39	38	-4	SW	5	0	*	-	46	37	*	0.08	
	The Helder	29.53	43	WSW	5	b	29.63	?	42	41	-1	WSW	5	bc	6	-	45	41	*	0.12	
	Brussels	*	*	*	*	*	29.88	+19	42	41	-7	SW	6	0	*	-	53	41	*	0.16	
	Berlin	29.69	43	SSW	2	0	29.82	+08	39	37	+4	SSW	2	b	*	-	45	35	*	0.39	
	Frankfurt	29.86	50	SW	2	c	29.98	+20	42	40	-6	SW	2	c	*	-	52	41	*	0.08	
	Munich	30.02	47	SW	6	0	30.09	+14	44	42	+3	W	6	0	*	-	47	41	*	0.04	
FRANCE.	C. Gris Nez	29.72	47	SW	7	c	29.84	+24	45	42	-3	W	6	0	6	-	50	43	*	0.32	
	Brest	29.89	51	W	4	c	30.03	+33	52	50	0	W	3	0	5	-	54	48	*	-	
	Lorient	29.94	52	WSW	4	0	30.09	+29	52	50	0	WSW	4	0	5	-	55	48	*	0.04	
	Rochefort	30.07	52	WSW	5	0	30.18	+23	51	50	-1	S	4	b	*	t, o	55	50	*	0.08	
	Biarritz	30.22	59	WSW	2	0	30.29	+19	54	54	-3	S	1	b	4	-	61	50	*	-	
	Paris	29.92	50	SW	3	b	30.06	+25	44	43	-8	SW	3	0	*	-	55	44	*	0.20	
SPAN. PEN.	Belfort	30.01	49	SW	6	r	30.10	+15	45	44	-1	WSW	7	r	*	-	50	44	*	0.08	
	Lyons	30.19	45	SSE	3	0	30.29	+14	42	40	-2	S	1	0	*	-	46	40	*	0.04	
	Nice	30.18	45	ENE	2	b	30.21	+03	43	41	+4	ENE	2	b	2	-	48	39	*	-	
	Perpignan	30.24	43	S	1	c	30.31	+11	41	39	0	SW	1	b	*	-	52	39	*	-	
	Corunna	30.12	54	W	3	r	30.14	+10	60	57	+5	SSW	5	0	6	-	61	54	*	0.71	
Lisbon	30.38	57	SSW	2	c	30.35	+02	53	52	-4	Z	0	0	*	-	61	54	*	-		
Azores (P. Delgada)	29.74	64	S	7	m	29.61	-39	56	55	-4	WSW	4	r	6	-	64	55	*	0.75		
" (Horta)	29.58	59	SSW	5	0	29.52	-34	56	54	-5	SW	4	bc	2	-	64	54	*	0.51		

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 4th JANUARY, 1902

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

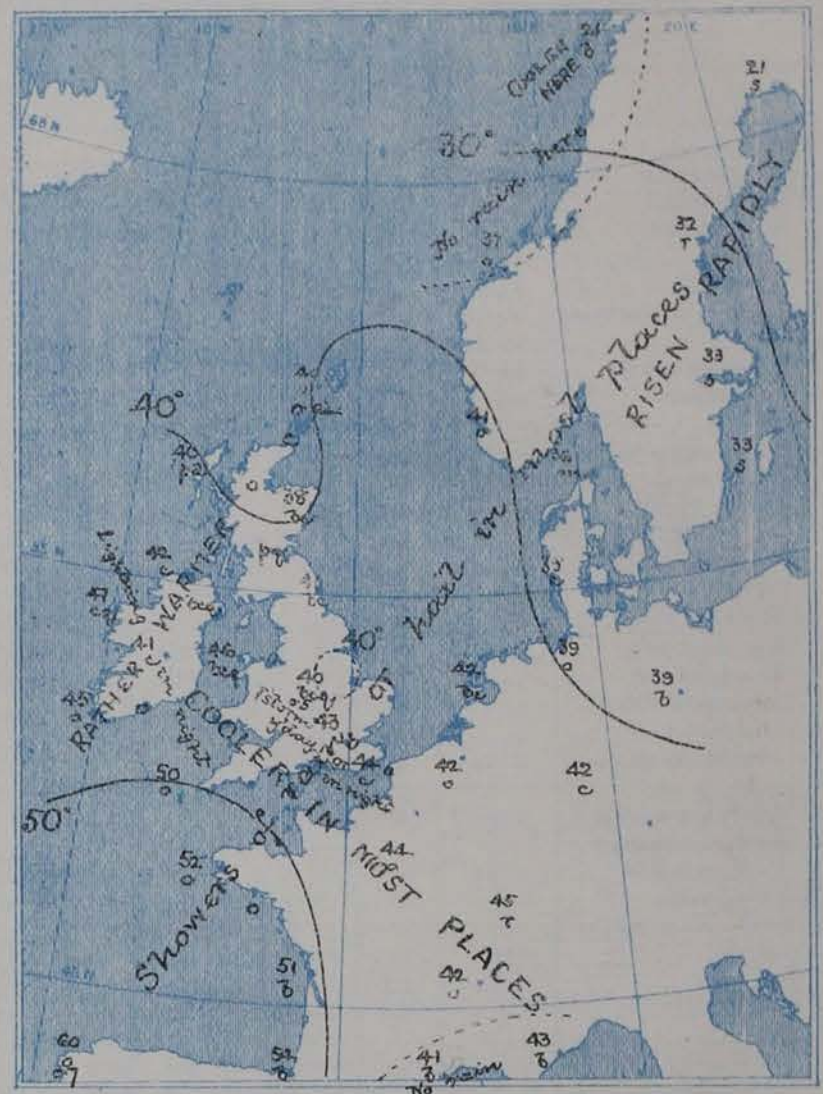


II. TEMPERATURE AND WEATHER. This Morning.

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 JANUARY.

Specimen { Average No. of Hours daily } 0.9
(for Stornaway) { Total Possible } 7.1



V. Means of DAILY TEMPERATURE

at 8 A.M. for the two monthly period

DECEMBER-JANUARY (1871-1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The centre of a cyclonic disturbance is now travelling north-eastwards outside the Hebrides, the minimum readings of the barometer being apparently below 28.8 in.; the mercury is, however, now rising in most parts of the United Kingdom and France. In Scandinavia, Denmark and Germany the barometer is falling. The highest pressures, 30.2 in. and upwards, are still found over the extreme north of France, but the barometer is somewhat high, 29.9 in. and upwards, in the south of Sweden.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind is moderate to strong from the W¹ in Ireland, and from the S.W.¹ over Great Britain, France, Germany and the Netherlands, but in S¹ in Denmark, and S.E.¹ or E¹ in Scandinavia, with a whole gale at Skudesnæs. Temperature has fallen a little in Ireland and Scotland, as well as in the north of Sweden, but has risen in all other parts of our area. Over England and France the thermometer is again above its normal height, the morning readings being above 45° at many of our southern stations, and above 50° in the Scilly Islands and in several parts of France. At many of the Irish and Scotch stations the readings are below 40°; frost prevails in Sweden, the lowest readings reported being -7 Felt. at Herson and +1 at Haparanda. The weather is in a cloudy, changeable state over Western Europe generally, with rain in several places. The sea is rough or rather so on our western coasts and also in the Straits of Dover, but is moderate or slight elsewhere.

During yesterday the thermometer rose to 50° or slightly above it at several of our central and southern stations, and to 54° at Scilly. The amount of bright sunshine was small generally; in many parts of England and Ireland there was none. Rain has fallen over the whole of Western Europe - heavily in places. Lightning was seen last night at several of the English and Irish stations, and thunder occurred at Loughborough and Roche's Pt.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The cyclonic system off the Scotch coasts is likely to travel away to the northward, but the conditions remain favourable for the approach of other disturbances from the Atlantic. The weather is therefore likely to continue very unsettled, with backing and increasing winds on all our western coasts.

FORECASTS *

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

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

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

S.W.¹ to S¹ winds, moderate or fresh; changeable, some cold showers.

S.W.¹ winds, fresh; some showers, with bright intervals.

S.W.¹ and W¹ winds, strong in places; some showers, with bright intervals.

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

Same as Nos. 0 and 1.

W¹ to S.W.¹ or S¹ winds, strong; squally, showery.

WARNINGS

The South Cone is still flying in districts 6, 7, 9 and 10, and parts of 0 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 (∇), 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	*	7.0	47	42	0.2	0.16
Newton Reigny (Penrith)	29.15	40	S 2	C	29.12	+0.1	38	37	-2	SSW 4	CTS 70	*	2.07h	44	38	1.7	0.17
Bath	29.34	52	SW 6	0	29.46	+0.8	46	43	-2	SW 5	0	*	—	53	44	0.0	0.36

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	36	C, 07	2.8	0.29	Eastbourne, ...	50	32	2, 07, C	1.0	0.23
Rhyl, ...	*	*	*	4.5	*	Hastings ...	*	*	*	0.0	*
Llandudno ...	*	*	*	1.4	*	Lowestoft, to 6 p.m. Not Recd.					
Aberystwyth, to 6 p.m. ...	50	43	C, 0	3.0	0.10	Harrogate, to 6 p.m. ...	43	32	2, 07, C	1.0	0.23
Plymouth, to 9 p.m. ...	53	49	079	0.0	0.52	Manchester, to 9 p.m. ...	48	36	07, 20, 09	1.0	0.15
Worthing ...	*	*	*	1.1	*	Darwen, to 9 p.m. ...	44	31	07, 03, 07, 07, 07	0.0	0.76
Brighton ...	*	*	*	0.0	*	Birmingham, to 9 p.m. ...	49	35	7, C	0.5	0.45

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. 1. 03.				Ins.					Ins.
Madeira (Funchal) ...					Algiers ...	59	48	2 C	0.04
Madrid ...					Tunis ...	61	39	C 0	—
Corsica (I. Sanguinaires) ...	54	43	7 7	—	Vienna ...	34	30	6 6	—
Rome ...	49	34	6 6	—	St. Petersburg ...	37	1	0 0	0.16
Florence ...	48	30	6 6	—	1. 1. 03	1 p.m.		1 p.m.	Measured 7 a.m.
Trieste ...	45	39	6 6	—	Lugano ...	Obs not received			
Naples ...	50	33	6 6	0.16	Davos ...	—			
Palermo ...	58	42	6 C	0.32	Lucerne ...	—			
Malta ...	56	50	7 0	0.20	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. Jan. 1903	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	8. 6	11. 58	3. 49
Greenwich	8. 8	12. 5	4. 1
Wick	9. 4	12. 17	3. 29
Valencia	8. 51	12. 46	4. 40

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.

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 4 p.m.

DAILY WEATHER REPORT

for 8 a.m. on

MONDAY 5TH JANUARY

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.	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 ...													*				*			
	Hernösand ...	29.31	28	Z	0	0	29.36	-14	27	27	-5	Z	0	0	*	-	32	27	*	0.20	
	Stockholm ...	29.37	34	Z	0	0	29.39	00	35	34	+2	Z	0	0	*	-	35	32	*	0.51	
	Wisby ...													*				*			
	Karlstad ...	29.34	35	Z	0	0	29.36	00	34	33	+2	Z	0	f	*	0.1	*	*	0.08		
	Færder (X'iania Fjord) ...	29.34	32	SW	1	0	29.37	+07	26	26	-6	N	4	f	3	-	32	25	*	0.04	
	Bodö ...	29.28	32	E	2	0	29.32	-02	32	32	+11	E	2	0	1	-	32	21	*	-	
	Christiansund ...	29.17	36	S	1	0	29.31	+17	36	35	-1	WSW	2	0	4	-	37	34	*	-	
BRITISH ISLANDS.	Skudesnaes ...	29.27	42	SW	4	0	29.39	+23	41	40	0	W	2	0	3	0	43	37	*	*	
	Sumburgh Head ...	29.12	42	WSW	2	c	29.43	+43	40	39	0	Z	0	0	4	1 c	43	37	*	0.04	
	Stornoway ...	29.33	43	WNW	1	b	29.52	+50	37	36	-3	NW	2	bcp	2	dp,c,b	45	35	1.3	0.15	
	Malin Head ...	29.51	45	W	7	bcp	29.60	+27	39	38	-3	S	3	c	3	c,bcp	46	39	*	0.03	
	Blacksod Pt. ...	29.60	43	WNW	3	c	29.50	-06	42	40	-5	ENE	4	c	3	c	47	35	*	-	
	Valencia ...	29.57	45	E	2	0	29.34	-38	50	48	+5	E	4	og	4	tm, o	50	44	0.0	0.08	
	Roche's Point ...	29.56	44	E	1	0	29.40	-34	51	51	+7	SSW	3	otm	4	t, o	51	43	*	0.70	
	Parsonstown ...	29.61	38	SE	1	c	29.49	-15	40	39	-1	E	2	or	*	ogm, c	44	35	0.0	0.09	
GERMANY, &c.	Donaghadee ...	29.59	40	WSW	2	bc	29.61	+23	36	35	-7	Z	0	c	1	-	45	32	*	0.01	
	Liverpool Obsy. ...	29.66	42	SW	2	0	29.62	+02	40	40	-5	SE	4	t	?	0.1	47	38	*	0.13	
	Holyhead ...	29.65	44	WSW	3	om	29.55	-04	42	42	-4	E	4	tgw	3	0.0m	47	41	*	0.09	
	Pembroke (St. Ann's) ...	29.60	45	E	4	t	29.50	-25	52	51	+3	SW	8	rgg, mu	6	t, rf	52	44	0.0	1.02	
	Scilly (St. Mary's) ...	29.53	54	SW	7	t	29.61	-22	50	50	0	SW	7	0	6	t	55	48	0.0	1.06	
	Jersey (St. Aubins) ...																				
	Portland Bill ...	29.69	46	SSE	4	t	29.72	-14	52	51	+4	SW	6	0	4	t	52	46	*	0.70	
	Dungeness ...	29.84	48	WSW	5	t	29.71	-14	50	49	+6	W	5	t	4	0.1	50	44	*	0.46	
FRANCE.	Wick ...	29.24	38	W	3	c	29.50	+42	36	35	-2	W	3	c	2	-	42	35	*	0.10	
	Nairn ...	29.35	43	W	1	bc	29.55	+46	39	38	0	W	2	bc	1	-	40	36	*	0.03	
	Aberdeen ...	29.33	41	WSW	2	b	29.59	+41	38	36	0	SW	2	bc	2	-	45	34	3.2	-	
	Leith ...	29.41	44	SW	3	b	29.59	+35	39	38	-3	WSW	1	cm	*	-	46	38	*	0.07	
	North Shields ...	29.50	44	SW	4	bc	29.60	+21	40	39	-1	W	2	om	2	-	48	38	*	-	
	Spurn Head ...	29.63	44	SSW	3	bc	29.66	+12	40	39	0	S	1	m	2	-	46	38	*	-	
	Yarmouth ...	29.72	44	WSW	4	c	29.69	+03	43	42	+2	SSW	2	rf	3	c	46	39	*	0.07	
	Loughborough ...	29.70	44	SW	1	0	29.66	-01	41	41	+1	E	1	ogft	*	c, omgt	46	40	*	0.35	
SPAN. PEN.	Oxford ...	29.69	43	SW	2	t	29.65	-14	45	45	+3	SE	1	t	*	0.1	47	42	*	0.72	
	London (Brixton) ...	29.79	47	SW	3	ot	29.67	-16	52	52	+9	SW	4	ot	*	0.1	52	43	0.1	0.76	
	The Scaw (Skagen) ...	29.39	37	WSW	3	m	29.34	-01	39	38	+3	NW	3	m	1	-	41	36	*	0.12	
	Fanö ...	29.54	40	WSW	6	c	29.60	+09	40	38	+1	WSW	4	c	*	-	41	36	*	0.12	
	Cuxhaven ...	29.69	41	WSW	5	0	29.69	+04	39	39	0	SW	3	f	*	-	41	37	*	0.12	
	The Helder ...	29.71	43	SW	4	0	29.69	+06	42	42	0	SW	3	m	4	-	43	41	*	-	
	Brussels ...	*	*	*	*	*	29.78	-10	51	51	+9	WSW	5	t	*	-	51	41	*	0.99	
	Berlin ...	29.82	39	W	3	f	29.74	-08	40	40	+1	SW	2	0	*	-	45	37	*	0.12	
SPAN. PEN.	Frankfurt ...	30.00	45	SW	2	0	29.71	-27	48	47	+6	SW	2	t	*	-	48	42	*	0.63	
	Munich ...	30.13	44	SW	6	0	29.92	-17	47	45	+3	SW	8	t	*	-	48	39	*	0.24	
	C. Gris Nez ...	29.87	47	SW	6	t	29.75	-09	47	?	+2	SW	6	f	6	-	50	45	*	1.62	
	Brest ...	29.83	52	SW	5	0	29.86	-17	54	52	+2	SW	6	0	6	-	54	50	*	0.20	
	Lorient ...	29.92	52	ESE	5	f	29.96	-13	54	54	+2	SW	5	0	6	-	55	52	*	0.16	
	Rochefort ...	30.49	53	S	3	0	30.09	-09	48	47	-3	SE	3	c	*	0	54	46	*	0.04	
	Biarritz ...	30.22	58	Z	0	b	30.12	-17	57	55	+3	Z	0	b	3	-	64	54	*	-	
	Paris ...	30.02	48	S	3	t	29.99	-07	52	50	+8	SW	3	0	*	-	52	44	*	0.47	
SPAN. PEN.	Belfort ...	30.15	44	WSW	3	0	30.06	-04	49	48	+4	WSW	7	t	*	-	49	43	*	0.20	
	Lyons ...	30.24	48	SSE	1	b	30.23	-06	44	44	+2	S	1	0	*	-	52	42	*	0.39	
	Nice ...	30.17	46	Z	0	b	30.14	-07	44	41	+1	SW	1	bc	2	-	52	41	*	-	
	Perpignan ...	30.26	48	Z	0	b	30.22	-09	37	36	-4	SW	1	b	*	-	63	35	*	-	
SPAN. PEN.	Corunna ...																				
	Lisbon ...	30.24	53	SSE	1	b	30.19	-16	44	42	-9	NE	3	f	*	-	61	46	*	-	
SPAN. PEN.	Azores (P. Delgada) ...																				
	(Horta) ...	29.63	53	W	5	bc	29.72	+20	56	52	0	W	4	b	2	-	61	50	*	0.24	

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

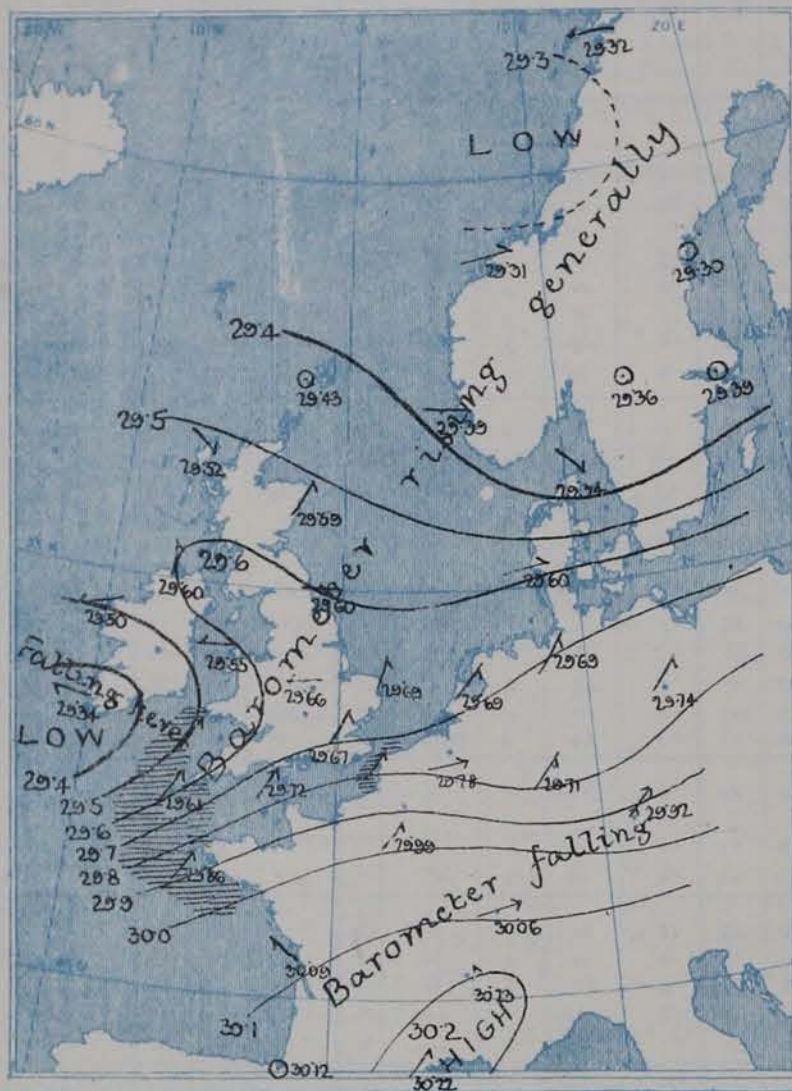
FOR MONDAY, 5TH JANY 1903.

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

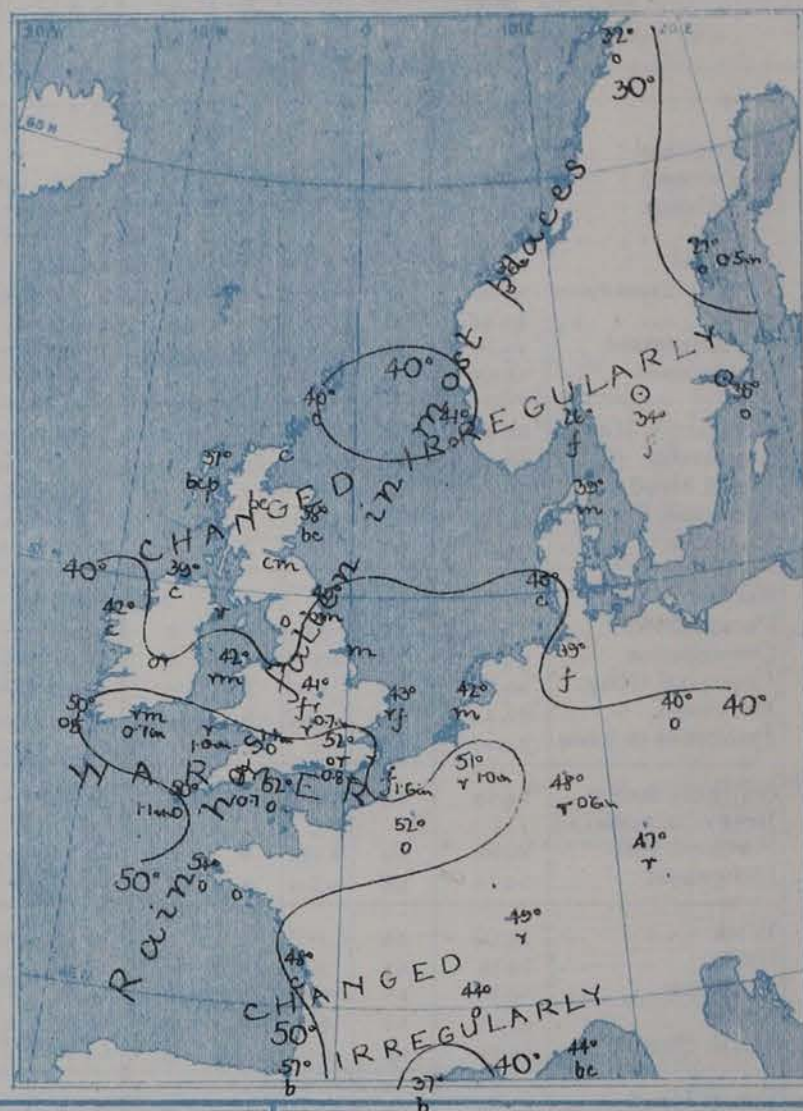


II. TEMPERATURE AND WEATHER. This Morning.

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 JANUARY.

Specimen { Average No of } 0.9
(for Stornaway) { Hours daily }
{ Total Possible } 7.1



V. Means of DAILY TEMPERATURE

at 8 A.M. for the Two monthly period
DECEMBER-JANUARY (1871-1900.)



GENERAL SITUATION AT 8 A.M.

PRESSURE

Barometric pressure is highest in an anticyclone over the Spanish Peninsula and lowest in a cyclonic disturbance which has travelled northwards and reached a position between the Shetlands and Norway. The readings range from 30.35 ins. at Lisbon and 30.31 ins. at Perpignan to 29.59 ins. at Haparanda, 29.52 in. at Wisby, and to 29.00 ins. at Lumburg, Hk. Pressure is decreasing over Sweden and rising in all other parts of our area. Gradients are still rather steep over Ireland and England.

WIND

The wind is W² or SW² over France, Germany, and the United Kingdom, but draws into SW in Denmark, i.e. S over the southern parts of Scandinavia and into E at Christiania and Bodø. It is fresh or strong in force at most of our own stations and also in Denmark, at Belfort and Munich. Over the Irish Sea a moderate gale prevails, while at Malin H. there is a fresh gale.

TEMPERATURE

Temperature has fallen in most parts of France, Germany, and England, and also at Bodø, since yesterday. It now ranges from 60° at Corunna, 54° at Biarritz, and 50° at Scilly to 44° at Paris and Munich, 38° on the northeast coast of Scotland, 33° in the south of Sweden and to 21° at Haparanda and Bodø. Norrland is as much as 39° warmer than it was at 8 a.m. yesterday.

WEATHER

The weather varies a good deal in different localities. In most parts of our Islands and also in the south of France it is fair, but showers are falling at Stromway, Malin H., Lath, and Portland Bill, and steady rain at Belfort. Over Sweden snow or rain is very general.

AND

The sea is rough or rather so off the north of Scotland and on many parts of our western and southern & south-western coasts, as well as at Corunna and the Skelins.

SEA

During yesterday the thermometers recorded readings of 61° at Biarritz, and on the coasts of Spain and Portugal, but over our Islands the highest values were 52° and 50° which occurred at a few of our southern and south-western stations. Rain fell very generally, lightning was observed in most parts of the Kingdom and thunderstorms were experienced at Malin H., Oxford, Dungeness, and in London and its neighbourhood. In many places the thunder or lightning was accompanied by heavy hail. The amount of bright sunshine was small as a rule, but Scilly had as much as 5.3 hrs., Plymouth 3.7 hrs. and Harrogate 3.3 hrs.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS *

For the 24 hours ending at NOON on 5th JANUARY 1903.

DISTRICTS.

FORECASTS.

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

None issued.

DISTRICTS.

FORECASTS.

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

None

issued.

WARNINGS

At 7 p.m. yesterday to districts 6, 7, 9, 10 and parts of 0 and 8 "Re-forecast 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. Ins. Change.	Temperature. Dry. Wet. Change.			Wind.	Weather.	Sea.	Weather.	Temperature Max. Min.		Sun- shine Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	bc	*	c, b, h, b	48	40	1.9	0.11
Newton Reigny (Penrith)																
Bath	29.68	34	SW 3	0	29.83	+37	45	42	-1	SW 4	0	-	48	39	2.2	0.34

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	40	c	2.9	0.18	Eastbourne Not received ...	*	*	*	*	*
Rhyl Not received ...	*	*	*	*	*	Hastings	*	*	*	1.0	*
Llandudno	*	*	*	1.0	*	Lowestoft, to 6 p.m. Not recd.					
Aberystwyth, to 6 p.m. ...	51	42	c, o	2.3	0.08	Harrogate, to 6 p.m. ...	45	42	b, c, t	3.3	0.14
Plymouth, to 9 p.m....	51	43	c, b, h, p, g	3.7	0.14	Manchester, to 9 p.m. Not recd.					
Worthing	*	*	*	2.4	*	Darwen, to 9 p.m. ...	43	36	st, o, c, b, v	0.2	0.11
Brighion Not received. ...	*	*	*	*	*	Birmingham, to 9 p.m. ...	47	38	b, h, c, t	0.9	0.13

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. 1. 03									
Madeira (Funchal) Not recd.				Ins.	Algiers	64	52	c b	Ins.
Madrid	46	41	o o	—	Tunis	57	41	c o	—
Corsica (I. Sanguinaires) ...	54	45	f f	—	Vienna	43	27	o r	0.04
Rome	48	33	b o	—	St. Petersburg	36	10	s b	—
Florence	43	36	b o	0.12	Lugano	37	—	b	Measured 7 a.m.
Trieste	45	36	o o	—	Davos	25	—	bc	—
Naples	49	40	b b	—	Lucerne	36	—	o	—
Palermo	58	42	bc a	0.08	Lausanne	36	—	o	—
Malta	57	52	? bc	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.

	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)	3 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. Jan., 1903	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	8.5	11.58	3.50
Greenwich	8.8	12.5	4.2
Wick	9.3	12.17	3.39
Valencia	8.50	12.46	4.41

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

DAILY WEATHER REPORT

for 8 a.m. on

TUESDAY 6TH JANUARY

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 82° 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			
																				Ins.		
SCANDINAVIA.	Haparanda	29.44	11	N	2	0	29.60		12	21.2		N	2	f	*	-	16	10	*	0.01		
	Hernösand	29.47	29	Z	0	5	29.56	+20	26	25	-1	Z	0	o	*	-	30	26	*	0.08		
	Stockholm	29.50	34	Z	0	0	29.58	+19	32	31	-3	Z	0	o	*	-	36	32	*	-		
	Wisby	29.52	36	S	2	0	29.64		35	33		W	2	o	*	-	39	30	*	-		
	Karlstad	29.54	31	SW	2	0	29.59	+23	20	20	-14	NW	2	f	*	-	*	*	*	-		
	Færder (X'iania Fjord)	29.54	23	NNW	2	f	29.57	+20	22	22	-4	ENE	2	f	2	-	26	21	*	-		
	Bodö	29.41	27	E	2	0	29.45	+13	24	22	-8	E	3	o	1	-	32	23	*	-		
	Christiansund	29.45	38	WSW	2	+	29.47	+16	36	35	0	WSW	3	c	3	-	39	34	*	0.16		
BRITISH ISLANDS.	Skudesnaes	29.62	37	Z	0	bc	29.42	+03	37	35	-4	E	4	o	3	b, bc	41	36	*	*		
	Sumburgh Head	29.49	36	Z	0	c	29.21	-22	41	40	+1	SE	1	o	3	c	43	36	*	0.02		
	Stornoway	29.51	38	W	1	b	29.13	-39	40	39	+3	E	4	d	4	bc, b	45	31	0.5	0.01		
	Malin Head	29.42	40	S	3	c	28.96	-64	44	44	+5	SE	3	o	2	o, c, pq	45	39	*	0.24		
	Blacksod Pt.	29.28	42	ENE	4	rm	28.96	-54	48	48	+6	SSW	3	om	3	c, rm	49	40	*	0.40		
	Valencia...	29.23	52	S	4	ogp	29.10	-24	49	46	-1	SSW	5	o	5	om, ogp	53	47	0.0	0.35		
	Roche's Point	29.34	51	SW	3	o	29.18	-22	51	50	0	WSW	5	o	6	o, odm	52	49	*	0.26		
	Parsonstown	29.32	43	E	1	o	29.08	-41	48	46	+8	S	3	c	*	o, t, o	50	39	0.0	0.39		
GERMANY, &c.	Donaghadee	29.47	42	ESE	5	og	28.99	-62	48	46	+12	SW	3	ogq	3	-	48	34	*	0.49		
	Liverpool Obsy.	29.47	50	W	3	o	29.20	-42	50	47	+10	SW	6	bc	5	f, rm, o	53	39	*	0.48		
	Holyhead	29.40	50	SW	4	df	29.15	-40	50	49	+8	SW	8	og	6	f, df	51	41	*	0.59		
	Pembroke (St. Ann's)	29.50	51	SW	7	o	29.31	-19	51	49	-1	SSW	8	augp	7	o, qp	52	49	0.0	0.14		
	Scilly (St. Mary's)	29.52	54	S	b	+	29.40	-21	54	53	+4	SW	6	c	7	a, +	56	50	0.0	0.05		
	Jersey (St. Aubins)	29.73	51	SW	6	op	29.53	-19	50	50	-2	SSW	5	em	5	cm, op	52	49	*	0.10		
	Portland Bill	29.75	51	WSW	6	o	29.61	-10	50	49	0	WSW	5	bcu	4	o	51	49	*	0.02		
	Dungeness	29.75	51	WSW	6	o	29.61	-10	50	49	0	WSW	5	bcu	4	o	51	49	*	0.02		
FRANCE.	Wick	29.53	37	W	2	bc	29.11	-39	40	40	+4	SE	4	+	4	-	42	30	*	0.28		
	Nairn	29.52	31	Z	0	c	29.09	-46	34	34	-5	Z	0	+	0	-	40	30	*	0.39		
	Aberdeen	29.56	35	W	2	m	29.06	-53	41	41	+3	NW	2	o	3	c, m	42	34	0.2	0.35		
	Leith	29.50	42	WSW	1	o	29.02	-57	42	42	+3	E	1	rm	*	-	42	36	*	0.21		
	North Shields	29.52	40	SE	3	+	29.11	-49	47	46	+7	SSW	3	c	2	+	47	37	*	0.47		
	Spurn Head	29.51	44	SSW	3	+	29.31	-35	48	46	+8	SSW	4	bc	3	+	50	40	*	0.38		
	Yarmouth	29.58	52	WSW	4	o	29.49	-20	51	49	+8	SW	4	c	4	+	52	41	*	0.27		
	Loughborough	29.54	52	SW	5	o	29.38	-28	50	47	+9	SSW	5	cqr	*	gt, o, cq	51	41	*	0.35		
SPAN. PEN.	Oxford	29.64	52	SW	5	+	29.45	-20	51	49	+6	S	4	opq	*	o, pq	54	45	*	0.16		
	London (Brixton)	29.68	53	WSW	5	om	29.52	-15	51	49	-1	WSW	6	og	*	ogp, ogp	54	47	0.0	0.07		
	The Scaw (Skagen)	29.56	37	NNW	2	m	29.56	+22	35	34	-4	SW	2	f	0	-	39	34	*	-		
	Fanö	29.70	37	Z	0	o	29.47	-13	39	38	-1	SE	6	+	*	-	41	36	*	0.16		
	Cuxhaven	29.75	40	Z	0	o	29.59	-10	45	45	+6	SW	5	+	*	f, o, t	45	39	*	0.39		
	The Helder	29.60	46	SW	5	+	29.55	-14	45	43	+3	SW	5	c	5	-	46	42	*	0.71		
	Brussels	*	*	*	*	*	29.75	-03	46	42	-5	S	5	o	*	-	53	45	*	0.08		
	Berlin	29.80	41	SW	2	c	29.74	00	43	42	+3	SW	1	+	*	-	45	39	*	0.20		
GERMANY, &c.	Frankfurt	29.93	53	SW	4	o	29.90	+19	44	43	-4	SW	2	bc	*	-	54	44	*	0.32		
	Munich	30.05	49	W	7	c	30.02	+10	40	39	-7	Z	0	b	*	-	54	40	*	0.04		
	C. Gris Nez	29.78	49	SW	6	o	29.65	-10	45	45	-2	SW	5	o	5	-	52	43	*	-		
	Brest	29.80	53	SSW	5	o	29.62	-24	52	52	-2	SSW	5	+	5	-	54	52	*	-		
	Lorient	29.84	54	SSW	5	c	29.71	-25	53	51	-1	SW	5	o	5	-	55	50	*	-		
	Rochefort	29.99	50	SSE	2	b	29.86	-23	46	45	-2	SSE	2	c	*	c, b	55	45	*	-		
	Biarritz	30.06	64	S	2	b	29.95	-17	61	54	+4	S	2	b	3	-	68	54	*	-		
	Paris	29.99	50	SSW	3	b	29.86	-13	38	38	-14	S	2	b	*	-	56	37	*	-		
FRANCE.	Belfort	30.06	49	WSW	4	c	29.99	-07	41	39	-8	WSW	3	o	*	-	52	38	*	0.04		
	Lyons	30.14	49	W	1	b	30.06	-17	38	38	-6	SE	1	b	*	-	55	37	*	-		
	Nice	30.12	49	Z	0	c	30.15	+01	46	45	+2	E	2	o	2	-	55	43	*	-		
	Perpignan	30.14	47	Z	0	o	30.07	-15	43	43	+6	WSW	1	o	*	-	51	37	*	0.04		
	Corunna																	*				
	Lisbon																	*				
	Azores (P. Delgada)																	*				
	" (Horta)	29.91	53	W	3	b	29.78	+06	56	54	0	SSW	4	+	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 TUESDAY, 6TH JAN 1903

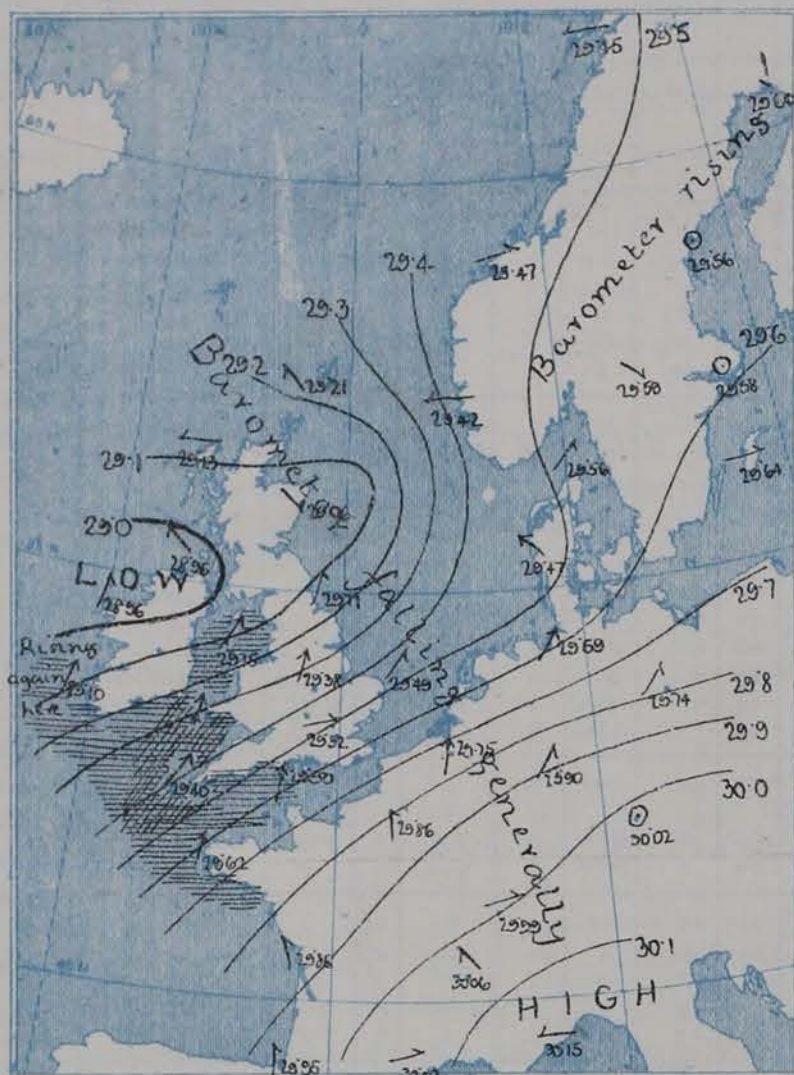
I. BAROMETER, WIND AND SEA. This Morning.

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

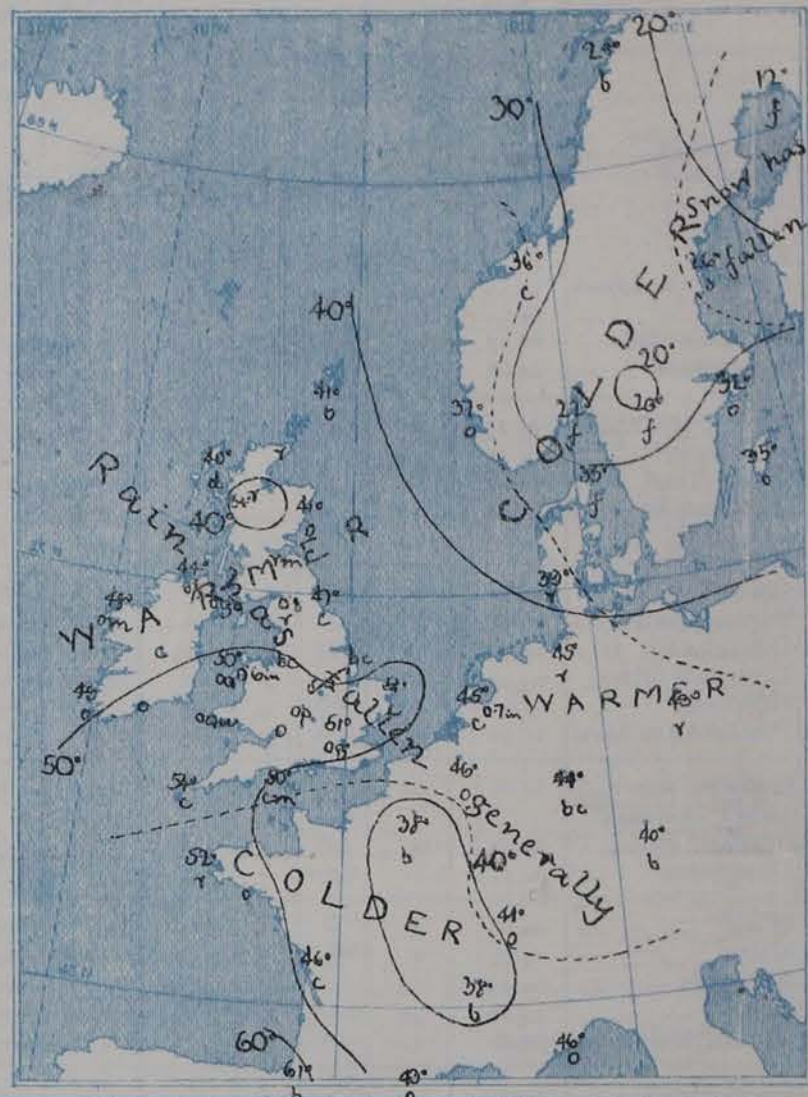


II. TEMPERATURE AND WEATHER. This Morning.

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 JANUARY.

Specimen (for Stornaway) { Average N^o of Hours daily } 0.9
{ Total Possible } 7.1



V. Means of DAILY TEMPERATURE

at 8 A.M. for the Two monthly period
DECEMBER-JANUARY (1881-1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

This morning the barometer is again highest over the most southern parts of our area, and lowest in the far north, the readings reported varying from 30.27 inches at Languisaise and 30.22 inches at Perpignan, to 29.31 inches at Chislehurst and 29.36 inches at Heron'sand. The gradients are very irregular, and a small local depression which had reached the mouth of St. George's Channel last evening is now going north-westwards to the Atlantic again.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind is S.W.^{ty} over France and the southern parts of England, S.E.^{ty} in the north of England, and E.^{ty} to N.E.^{ty} over Ireland; at the mouth of St. George's Channel it is blowing a fresh gale, but in other parts of our Islands it varies from a fresh to light breeze. Temperature has again risen at all our southern stations and over France, fallen in the north-west and north.

In our Islands it ranges from 54° at Bath and 52° at Pembroke, Portland and in London, to 36° at Wick and 34° at Newton Reigny. The values at our south-western and southern stations are much in excess of the average and the air is very humid. The weather is very rainy in the south of our Islands, fair in the north.

The sea is rough in the Irish and English Channels and off Ushant, moderate in the extreme west and north, smooth in the east.

The rainfall over the southern parts of England and Ireland has exceeded 0.7 inch in several places (1.06 inch at Scilly). Hail has been seen in several places. Bright sunshine yesterday was confined almost entirely to the northern and eastern stations.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

As the small depression in the west moves away a temporary change to finer cooler weather is probable over England, but there is no indication of settled conditions at present.

FORECASTS *

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

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

0 $\overline{\text{N}}$ SCOTLAND NORTH

1 $\overline{\text{E}}$ SCOTLAND EAST

2 $\overline{\text{N}}$ ENGLAND N.E.

3 $\overline{\text{N}}$ ENGLAND EAST

4 $\overline{\text{E}}$ MIDLAND COUNTIES

5 $\overline{\text{N}}$ ENGLAND SOUTH

Varying light winds; fair as a whole. Colder.

S.E.^{ty} and S.^{ty} winds, moderate; weather improving. Colder.

Same as No. 5.

Same as No. 2.

S.W.^{ty} or S.^{ty} winds, fresh to moderate; fair as a whole. Colder.

6 $\overline{\text{N}}$ SCOTLAND WEST

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

8 $\overline{\text{N}}$ ENGLAND S.W.

9 $\overline{\text{N}}$ IRELAND NORTH

10 $\overline{\text{N}}$ IRELAND SOUTH

Same as Nos. 0 and 1.

E.^{ty} and S.E.^{ty} winds, moderating; cooler, rainy to fair.

Same as No. 5.

Same as No. 7.

E.^{ty} and S.E.^{ty} winds, moderate; finer, cooler.

At 7 p.m. yesterday to districts 3, 5, 8 and part of 2, 'Hoist SOUTH Cone'. The signals are also flying in districts 6, 7, 9, 10 and part of 0.

WARNINGS

Note.—The South Cone, point downwards ($\overline{\text{N}}$), 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 ($\overline{\text{N}}$), 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.

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	*	*	*	*	*	*	*	*	*	*	†	*	c, †	46	41	0.0	0.45
Newton Reigny (Penrith)	29.56	41	W 3	bc	29.60		34	33		SE 2	0	*	sm, bc	45	33	0.0	-
Bath	29.74	46	SW 1	†	29.63	-20	54	52	+9.	SW 6	0	*	-	54	43	0.0	1.05

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	40	cq, c, b	0.0	-	Eastbourne, ...	*	*	*	0.4	*
Rhyl,	*	*	*	0.0	*	Hastings	*	*	*	1.2	*
Llandudno	*	*	*	0.0	*	Lowestoft, to 6 p.m. Not Recd					
Aberystwyth, to 6 p.m. Not Recd						Harrogate, to 6 p.m. ...	45	36	bc, c	0.5	0.19
Plymouth, to 9 p.m. Not Recd						Manchester, to 9 p.m. Not Recd					
Worthing	*	*	*	0.0	*	Darwen, to 9 p.m. ...	43	38	o, t, sm	0.0	0.05
Brighton	*	*	*	0.0	*	Birmingham, to 9 p.m. ...	46	38	o	0.1	0.04

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. 1. 03									
Madeira (Funchal) ...	Information not recd			Ins.	Algiers				Ins.
Madrid					Tunis				
Corsica (I. Sanguinaires) ...					Vienna				
Rome					St. Petersburg ...				
Florence					5. 1. 03	1 p.m.		1 p.m.	Measured 7 a.m.
Trieste					Lugano	41	—	bc	—
Naples					Davos	37	—	r	0.39
Palermo					Lucerne	41	—	o	0.16
Malta					Lausanne	41	—	o	0.32

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.	5. Jan. 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. 8. 5	h. m. 11. 58	h. m. 3. 51
Germany, Denmark, Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Greenwich	8. 7	12. 5	4. 3
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick	9. 2	12. 17	3. 32
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.	Valencia	8. 50	12. 46	4. 42
Portugal	8 a.m. (Lisbon)	8.36 a.m.						

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DAILY WEATHER REPORT

for 8 a.m. on

WEDNESDAY 7TH JANUARY

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. In.		
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.)	Weather.	Max.	Min.								
In.	°			In.	In.	°	°														
SCANDINAVIA.	Haparanda	29.56	3	N	2	f	29.34	-26	17	17	+5	N	2	0	*	-	17.	-8	*	0.04	
	Hernösand	29.46	23	Z	0	o	29.26	-30	31	30	+5	Z	0	0	*	-	31	16	*	0.04	
	Stockholm	29.40	33	SE	2	s	29.18	-40	37	37	+5	SW	1	0	*	-	37	28	*	0.20	
	Wisby	29.43	35	SW	2	f	29.32	-32	39	39	+4	W	4	0	*	-	39	32	*	0.12	
	Karlstad	29.32	29	NE	2	o	29.16	-43	35	35	+15	SW	2	0	*	0.5, f	*	*	0.24		
	Færder (X'ania Fjord)	29.19	28	NNE	5	s	29.17	-40	27	26	+5	Z	0	0	2	-	28	19	*	-	
	Bodö	29.29	30	E	6	b	29.17	-28	28	27	+4	E	4	0	2	-	30	24	*	-	
	Christiansund	29.11	35	E	3	o	28.98	-49	33	30	-3	WSW	1	0	4	-	36	30	*	-	
Skudesnaes	29.01	39	E	6	o	28.98	-44	41	40	+4	S	6	0	5	f, o	41	36	*	-		
BRITISH ISLANDS.	Sumburgh Head	29.01	38	N	2	bc	28.93	-28	36	35	+5	N	3	0	4	0.2c	41	35	*	0.04	
	Stornoway	29.06	40	ENE	4	f	29.01	-12	35	34	-5	NNE	6	ts	6	od, f	43	34	0.3	0.58	
	Malin Head	28.95	44	S	5	bc	28.88	-08	42	40	-2	NNW	2	bc	3	r, bc, p	46	38	*	0.16	
	Blacksod Pt.	28.92	45	S	5	bpm	29.07	+11	44	42	-4	NNW	6	cqpm	5	b, bpm	49	46	*	0.08	
	Valencia	28.83	46	S	6	img	29.21	+11	45	44	-4	WSW	7	op	6	c, img	50	42	2.5	0.25	
	Roche's Point	29.07	48	WSW	6	bp	29.14	-04	46	45	-5	W	6	b	5	c, bp	51	44	*	0.09	
	Parsonstown	29.03	41	SE	1	b	29.02	-06	39	37	-9	SE	1	c	*	p, b	49	37	3.3	0.09	
	Donaghadee	29.08	44	SW	1	b	28.79	-20	40	39	-8	WNW	4	c	4	-	55	39	*	0.33	
Liverpool Obsy.	29.20	48	SW	4	c	28.98	-22	42	39	-8	WSW	5	bc	5	cp	52	42	*	0.06		
Holyhead	29.13	48	SW	6	cdp	29.00	-15	44	42	-6	W	7	cq, p	5	c, cdp, m	50	41	*	0.18		
Pembroke (St. Ann's)	29.07	50	SSW	7	c	29.14	-17	48	45	-3	SW	7	cq, u	7	-	51	44	0.8	0.19		
GERMANY, &c.	Scilly (St. Mary's)	29.28	49	WSW	5	cp	29.34	-06	48	46	-6	W	6	c	5	r, cp	54	45	2.7	0.28	
	Jersey (St. Aubins)	29.43	50	SW	5	cp	29.35	-18	48	46	-2	WSW	6	cq, p	5	cp	51	45	*	0.12	
	Portland Bill	29.50	51	SW	6	c	29.40	-21	49	48	-1	WSW	6	bcq, m	4	c	51	46	*	0.06	
	Dungeness	29.50	51	SW	6	c	29.40	-21	49	48	-1	WSW	6	bcq, m	4	c	51	46	*	0.06	
	Wick	29.08	39	SE	3	c	28.88	-23	39	39	-1	?S	4	f	3	-	42	36	*	0.60	
	Nairn	29.09	37	Z	0	f	28.87	-22	37	37	+3	Z	0	0	0	-	38	34	*	0.17	
	Aberdeen	29.09	39	WNW	2	c	28.84	-22	41	40	0	NE	4	0	3	o, c	42	36	0.0	0.08	
	Leith	29.07	46	E	1	f	28.74	-28	42	41	0	E	1	f	*	-	44	37	*	0.37	
North Shields	29.09	50	SSW	3	c	28.81	-30	43	41	-4	SSW	4	cp	2	f, c	52	40	*	0.03		
FRANCE.	Spurn Head	29.23	47	SSW	5	bc	29.03	-28	45	43	-3	SSW	6	b	4	-	51	43	*	0.09	
	Yarmouth	29.37	52	SW	4	c	29.25	-24	46	44	-5	SW	4	b	4	o, c	52	44	*	0.01	
	Loughborough	29.29	50	SW	2	bc	29.12	-26	45	42	-5	SW	6	bq	*	cp, bq	53	44	*	0.07	
	Oxford	29.35	49	S	3	o	29.26	-19	47	44	-4	SW	4	bq	*	qp, bc, o	53	45	*	-	
	London (Brixton)	29.44	52	SW	5	o	29.31	-21	48	46	-3	WSW	5	c	*	o, o, tq	53	46	0.0	0.04	
	The Scaw (Skagen)	29.16	41	SW	4	f	29.18	-38	41	41	+6	SW	2	f	0	-	41	34	*	0.24	
	Fanö	29.34	42	SSW	6	o	29.30	-17	40	40	+1	SSW	3	0	*	-	42	39	*	0.16	
	Cuxhaven	29.49	45	SW	5	o	29.41	-18	45	43	0	SW	4	0	*	-	46	45	*	0.24	
The Helder	29.43	46	SW	7	b	29.31	-24	45	44	0	SW	7	0	5	-	46	45	*	0.04		
SPAN. PEN.	Brussels	29.53	*	*	*	*	29.53	-22	46	43	0	SSW	6	f	*	-	51	45	*	-	
	Berlin	29.63	45	W	2	b	29.63	-11	43	41	0	SW	2	bc	*	-	48	41	*	0.08	
	Frankfurt	29.76	46	SW	2	bc	29.73	-17	42	40	-2	SW	2	b	*	-	54	39	*	-	
	Munich	29.90	40	Z	0	b	29.84	-18	34	32	-6	SW	1	b	*	-	54	32	*	-	
	C. Gris Nez	29.54	49	SW	6	o	29.49	-16	49	47	+4	SW	6	0	6	*	52	45	*	-	
	Brest	29.45	53	SW	5	o	29.50	-12	50	48	-2	W	6	bc	7	-	54	48	*	0.08	
	Lorient	29.60	53	SW	6	o	29.57	-14	51	50	-2	SSW	5	c	7	-	55	48	*	-	
	Rochefort	29.77	50	SSE	3	c	29.74	-12	51	50	+5	SSW	3	c	*	c	55	43	*	-	
Biarritz	29.85	62	S	4	bc	29.84	-11	59	53	-2	S	4	c	2	-	66	57	*	-		
SPAN. PEN.	Paris	29.73	47	SSW	3	c	29.63	-23	46	43	+8	SSW	8	0	*	-	52	38	*	-	
	Belfort	29.84	46	WSW	3	b	29.83	-16	41	40	0	WSW	3	c	*	-	59	39	*	-	
	Lyons	29.94	47	S	3	b	29.91	-15	48	44	+10	S	5	0	*	-	56	38	*	-	
	Nice	30.13	48	Z	0	o	30.11	-04	45	42	-1	E	2	c	2	-	50	45	*	-	
	Perpignan	29.97	48	Z	0	o	29.92	-15	41	41	-2	WSW	1	0	*	-	53	36	*	-	
	Corunna	29.88	54	SSW	4	f	29.84	-20	52	51	+3	SE	3	0	*	-	57	49	*	2.09	
	Lisbon	29.88	54	SSW	4	f	29.84	-20	52	51	+3	SE	3	0	*	-	57	49	*	2.09	
	Azores (P. Delgada)	29.57	60	W	4	o	29.50	-28	53	50	-3	NW	4	b	3	-	61	52	*	0.24	

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

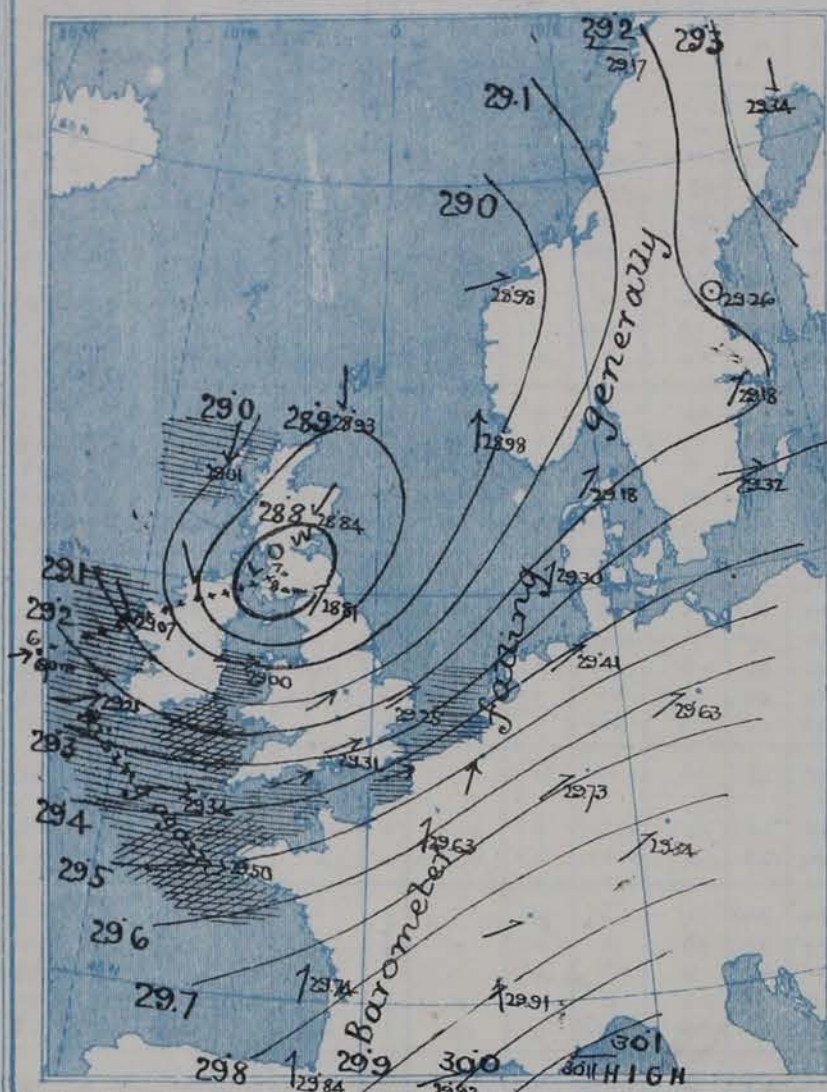
FOR WEDNESDAY, 7th JANUARY, 1903

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 JANUARY.

Specimen (Average N° of Hours daily) 0.9
(for Stornaway) Total Possible 7.1



V. Means of DAILY TEMPERATURE

at 8 A.M. for the Two monthly period
DECEMBER-JANUARY (1871-1900.)



GENERAL SITUATION AT 8 A.M.

PRESSURE

Barometric pressure this morning is highest over South Germany and the south-east of France, lowest over Scotland and the north of Ireland, the readings ranging from 30.1 ins. and upwards in the south of France to 28.66 in. at Malin Head, and 29.06 in. at Aberdeen. A new and complex depression has reached the north-western and northern parts of our Islands in the night and is apparently travelling north-eastwards.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind is moderate from E. in the north of Scotland and at Bodö, but all over Ireland and England it is from between S. and W. and is blowing a gale at several of our western stations. In France it is more S^{ly} and light.

Temperature has not changed much at our southern stations, but has risen over the northern half of the Kingdom, and ranges from 54° at Scilly to 34° at Nairn (locally). In all districts except Nairn it is in excess of the average. At Berlin it is 43°, at Paris 38°, at Karlsbad 20° and at Haparanda 12° F.

The weather is very rainy over the northern half of the Kingdom, cloudy and dull in the south, but much drier than it was yesterday. The sea is high off our south-west coasts, rough in the north and west generally, moderate in the east.

During yesterday the maximum temperature exceeded 50° in almost all parts of the Kingdom and touched 56° at Scilly, 54° at Oxford and in London. Rain fell very generally - most in the north. Of bright sunshine there was hardly any.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A temporary improvement in the weather is probable over our Islands, first over the southern and south-western districts, but no settled weather can yet be looked for.

FORECASTS*

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

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	Wind becoming S ^{ly} and S.W ^{ly} , very strong; squally, rainy, mild.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Wind W ^{ly} to S ^{ly} moderating; somewhat drier than of late, but mild.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as Nos. 0 and 1.
7	ENGLAND N.W.	
8	ENGLAND S.W.	S.W ^{ly} winds, moderating, with drier weather; mild.
9	IRELAND NORTH	
10	IRELAND SOUTH	

WARNINGS

At 7 p.m. yesterday to districts 6, 7, 9, 10 and parts of 0 and 8, Hoist South Cone. The signals are also flying in districts 3, 5, part of 2 and the remainder 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	*	*	*	*	*	*	*	*	*	*	c	*	0	50	43	0.0	0.07
Newton Reigny (Penrith)	29.44	36	E 3	†	29.07	-53	46	46	+12	SS	†	*	osp,†	48	33	0.0	0.81
Bath	29.66	53	SW 6	0	29.47	-16	52	49	-2	SW 4	0	*	-	56	43	0.0	0.40

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather.	Sunshine.	Rainfall.	STATIONS.	TEMPERATURE F.		Weather.	Sunshine.	Rainfall.
	Max.	Min.	(Beaufort.)	Hrs.	Ins.		Max.	Min.	(Beaufort.)	Hrs.	Ins.
Southport, to 9 p.m....	50	36	ot, o, ot	0.0	0.43	Eastbourne.	*	*	*	0.0	*
Rhyl,	*	*	*	0.0	*	Hastings	*	*	*	0.0	*
Llandudno	*	*	*	0.0	*	Lowestoft, to 6 p.m. Not recd.					
Aberystwyth, to 6 p.m. ...	51	46	0	?	0.90	Harrogate, to 6 p.m. ...	39	36	cm, ot	0.0	0.48
Plymouth, to 9 p.m....	54	51	op, tu	0.0	0.52	Manchester, to 9 p.m. ...	52	34	ot	0.0	0.38
Worthing	*	*	*	0.0	*	Darwen, to 9 p.m. ...	50	35	ot	0.0	0.49
Brighton	*	*	*	0.0	*	Birmingham, to 9 p.m. Not recd.					

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 Jan: 03										
Madeira (Funchal)	70	54	c 0	Ins.		Algiers	61	50	b c	Ins.
Madrid	46	23	0 0	—		Tunis	63	45	c c	—
Corsica (I. Sanguinaires) ...	59	48	f f	—		Vienna	50	41	b m	0.04
Rome	54	44	0 0	—		St. Petersburg	19	5	0 0	—
Florence	50	45	m m	—		Lugano	4 Jan: 03		1 p.m. Information not recd	Measured 7 a.m.
Trieste	45	41	r c	0.04		Davos				
Naples	54	48	b 0	—		Lucerne				
Palermo	67	44	0 b	—		Lausanne				
Malta	61	55	? 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.

6 Jan: 1903	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
	h. m.	h. m.	h. m.
Yarmouth	8.5	11.59	3.52
Greenwich	8.6	12.6	4.5
Wick	9.1	12.10	3.34
Valencia	8.50	12.47	4.43

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 5 p.m.

DAILY WEATHER REPORT

for 8 a.m. on

THURSDAY 8th JANUARY.

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.	Dirac.	Force (0 to 12.)	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Dirac.	Force (0 to 12.)	Weather.	Max.	Min.								
Ins.	°			Ins.	Ins.	°	°														
SCANDINAVIA.	Haparanda ...	29.41	19	N	2	0	29.37	+0.3	13	12	-4	NE	2	c	*	-	23	-4	*	-	
	Hernösand ...	29.14	32	Z	0	S	29.11	+1.5	27	26	-4	Z	0	o.	*	-	32	23	*	0.08	
	Stockholm ...	29.19	39	SSW	2	+	29.05	-1.3	37	37	0	S	2	+	*	-	39	32	*	0.20	
	Wisby ...	29.31	40	W	2	0	29.17	-1.5	40	39	+1	SW	6	o	*	-	41	30	*	0.12	
	Karlstad ...	29.10	37	SW	4	+	29.02	-1.4	35	35	0	SW	2	f	*	-	*	*	*	0.16	
	Færder (X'iania Fjord) ...	29.02	39	S	5	0	29.03	-1.4	31	30	+4	NE	1	o	3	-	39	27	*	0.20	
	Bodö ...	29.24	28	E	6	b	29.26	+0.9	27	26	-1	E	6	c	2	-	28	27	*	-	
	Christiansund ...	28.92	35	SE	2	c	29.00	+0.2	35	34	+2	WSW	2	o	4	-	36	33	*	-	
	Skudesnaes ...	28.87	41	W	4	+	29.15	+1.7	38	36	-3	NNW	4	c	2	o, t	43	37	*	*	
BRITISH ISLANDS.	Sumburgh Head ...	28.98	34	N	4	+	29.14	+2.1	37	33	+1	W	4	c	4	o, t	37	31	*	0.02	
	Stornoway ...	29.16	34	N	6	+	29.46	+4.5	33	30	-2	N	6	s	6	S, t	36	30	0.0	0.16	
	Malin Head ...	29.30	35	NNW	7	b, c, s, t, q	29.62	+7.4	38	36	-4	NW	4	b, c	4	c, t, s, t, q	42	33	*	0.12	
	Blackod Pt. ...	29.47	38	WNW	4	cpm	29.66	+5.9	37	35	-7	E	1	b	2	b, c, p, m	44	32	*	0.05	
	Valencia ...	29.51	43	NNW	1	op	29.59	+3.8	38	34	-7	ENE	4	o	4	cp, op	47	37	0.0	0.15	
	Roche's Point ...	29.49	43	WNW	3	cp	29.65	+5.1	37	34	-9	SE	3	b, c	2	c, cp	48	36	*	0.07	
	Parsonstown ...	29.46	38	W	1	cp	29.68	+6.6	26	25	-13	Z	0	b, c	*	cp	44	25	1.1	0.01	
	Donaghadee ...	29.28	38	NW	3	b, c	29.65	+8.6	31	30	-9	W	1	b, c	2	-	43	29	*	0.01	
	Liverpool Obsy. ...	29.30	43	W	5	o	29.70	+7.2	36	33	-6	WNW	2	b, c	3	o, p, o	45	36	*	0.10	
GERMANY, &c.	Holyhead ...	29.36	43	WNW	7	b, c, p	29.68	+6.8	37	34	-7	NW	2	b	2	t, b, c, p, q	45	34	*	0.09	
	Pembroke (St. Ann's) ...	29.46	48	WSW	6	c	29.67	+5.3	40	38	-8	NE	4	o	4	-	52	39	1.0	0.02	
	Scilly (St. Mary's) ...	29.52	49	WSW	4	c	29.58	+2.4	49	47	+1	ESE	4	omp	5	c	50	46	2.0	0.01	
	Jersey (St. Aubins) ...	29.54	48	W	6	c	29.71	+3.6	46	44	-2	E	1	c	3	b, c, p, c	50	43	*	0.02	
	Portland Bill ...	29.52	48	WSW	8	b, c, q	29.75	+3.5	50	49	+1	WSW	1	cg	4	c, b, c, q	50	44	*	0.08	
	Dungeness ...	29.52	48	WSW	8	b, c, q	29.75	+3.5	50	49	+1	WSW	1	cg	4	c, b, c, q	50	44	*	0.08	
	Wick ...	29.02	38	NE	4	o	29.33	+4.5	31	31	-8	N	4	cu	2	-	39	29	*	0.38	
	Nairn ...	29.11	34	NW	3	s	29.45	+5.8	31	30	-6	W	1	c	1	-	38	28	*	0.28	
	Aberdeen ...	29.05	35	NW	5	ohp	29.46	+6.2	32	30	-9	WNW	6	b	5	o, ohp	41	29	0.0	0.13	
FRANCE.	Leith ...	29.09	41	WSW	1	+	29.56	+8.2	33	32	-9	WSW	2	b, m	*	-	42	31	*	0.01	
	North Shields ...	29.09	43	WSW	3	c	29.59	+7.8	34	32	-9	WSW	3	b, c	2	cp, c	44	32	*	0.01	
	Spurn Head ...	29.21	43	SW	5	b, c	29.64	+6.1	36	35	-9	SW	4	b	3	-	47	35	*	0.23	
	Yarmouth ...	29.31	47	WSW	5	b, c	29.70	+4.5	37	36	-9	SW	2	b, m	3	b, c	50	36	*	-	
	Loughborough ...	29.32	43	WSW	6	b	29.70	+5.8	33	32	-12	WNW	1	b	*	b, c, p, b, c	47	33	*	0.02	
	Oxford ...	29.53	44	SW	4	c	29.74	+4.8	35	34	-12	Z	0	cf	*	p, c	48	35	*	0.03	
	London (Brixton) ...	29.48	46	WSW	4	b	29.73	+4.2	35	35	-13	SSW	1	b	*	c, q, b	51	35	3.7	-	
	The Scaw (Skagen) ...	29.08	42	SW	3	m	29.10	-0.8	40	39	-1	SW	3	m	1	-	43	39	*	0.20	
	Fanö ...	29.21	41	SSW	8	b	29.39	+0.9	40	37	0	WSW	8	c	*	-	43	39	*	0.04	
SPAN. PEN.	Cuxhaven ...	29.39	46	SSW	6	o	29.59	+1.8	42	41	-3	WSW	6	c	*	-	48	41	*	0.08	
	The Helder ...	29.39	46	SSW	6	o	29.59	+1.8	42	41	-3	WSW	6	c	*	-	48	41	*	0.08	
	Brussels ...	29.62	46	Z	0	b, c	29.72	+0.9	46	43	+3	SW	2	o	*	-	48	35	*	-	
	Berlin ...	29.77	51	SW	2	o	29.87	+1.4	48	45	+6	SW	2	o	*	-	52	42	*	-	
	Frankfurt ...	29.94	44	SW	4	b	30.03	+1.9	38	35	+4	SW	4	b	*	-	52	34	*	-	
	Munich ...	29.94	44	SW	4	b	30.03	+1.9	38	35	+4	SW	4	b	*	-	52	34	*	-	
	C. Gris Nez ...	29.57	48	SW	6	o	29.75	+2.6	47	46	-2	SW	3	o	4	-	50	46	*	0.20	
	Brest ...	29.67	50	NNW	3	c	29.67	+1.7	50	50	0	S	3	+	4	-	54	50	*	0.12	
	Lorient ...	29.62	52	W	4	c	29.69	+1.2	50	50	-1	SE	2	m	4	-	55	48	*	0.18	
SPAN. PEN.	Rochefort ...	29.80	50	S	3	b	29.79	+0.5	48	48	-3	S	4	c	*	o, b	54	45	*	-	
	Biarritz ...	29.86	59	S	2	b, c	29.82	-0.2	61	54	+2	S	4	o	3	-	61	55	*	-	
	Paris ...	29.76	49	SW	2	o	29.85	+2.2	45	43	-1	SSW	3	o	*	-	54	44	*	0.28	
	Belfort ...	29.89	48	WSW	4	o	29.97	+1.4	42	39	+1	Z	0	c	*	-	55	40	*	-	
	Lyons ...	29.98	49	S	2	c	30.02	+1.1	45	39	-3	SE	1	b	*	-	53	39	*	-	
	Nice ...	30.08	46	Z	0	b	30.12	+0.1	42	37	-3	E	2	b	2	-	54	41	*	-	
	Perpignan ...	29.96	43	Z	0	b, c	30.01	+0.9	43	43	+2	Z	0	o	*	-	54	37	*	-	
	Corunna ...																				
	Lisbon ...																				
SPAN. PEN.	Azores (P. Delgada) ...																				
	" (Horta) ...	29.50	56	NW	4	o	29.49	-0.1	57	52	+4	SSW	3	o	2	-	61	53	*	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 *Thursday, 8th January, 1903.*

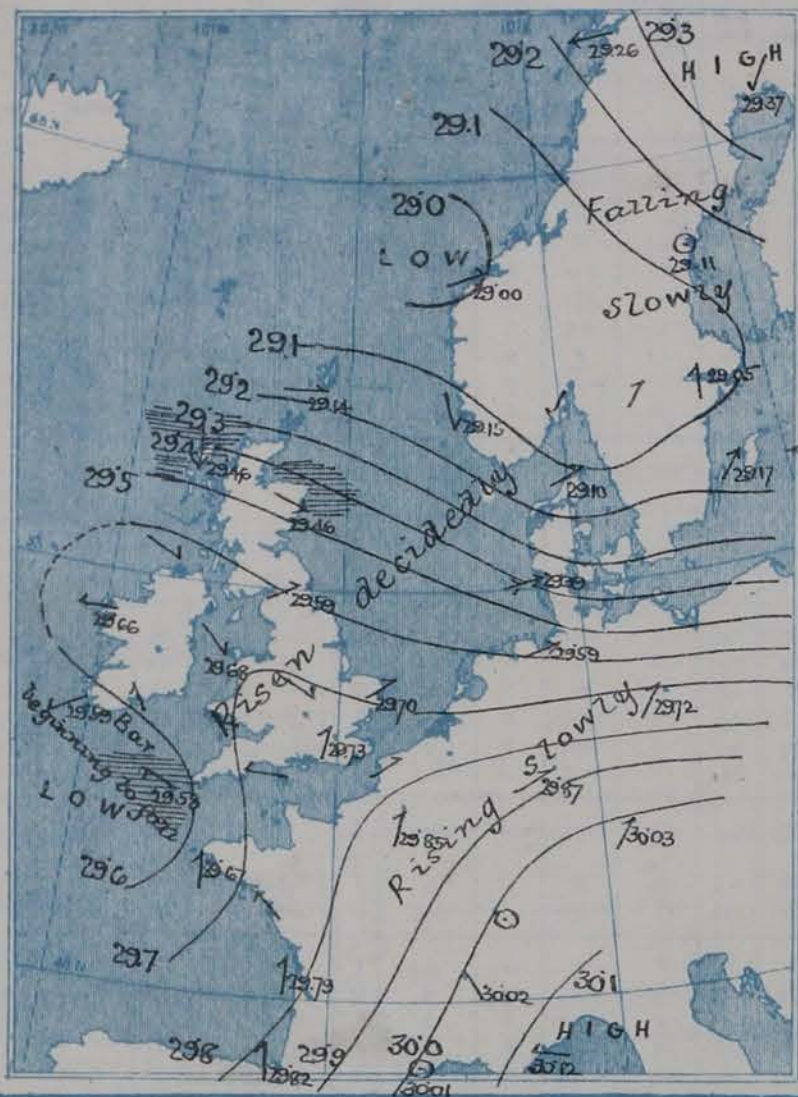
I. BAROMETER, WIND AND SEA. *This Morning.*

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°.

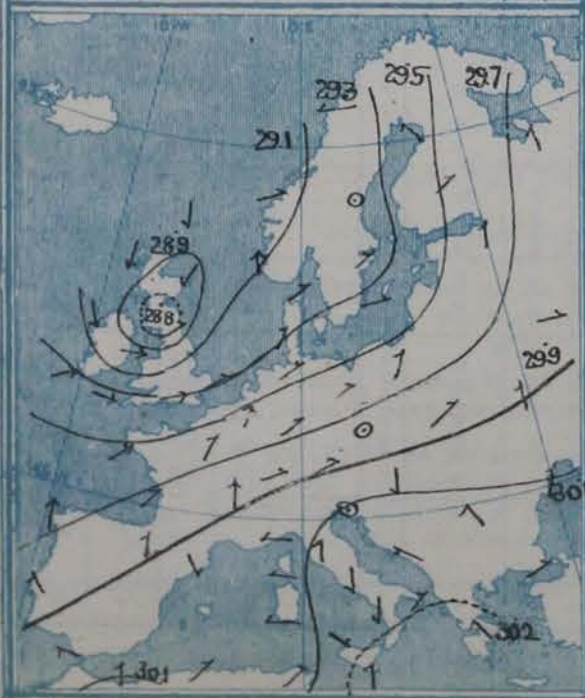
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

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 JANUARY.

Specimen (for Stornaway) { Average N^o of Hours daily } 0.9
Total Possible 7.1



V. Means of DAILY TEMPERATURE

at 8 A.M. for the monthly period

JANUARY (1871-1900.)



GENERAL SITUATION AT 8 A.M.

PRESSURE

In the course of the past night a new cyclonic disturbance has advanced over our Islands from the Atlantic, its centre being now situated over the extreme south of Scotland; in that locality and in the neighbouring parts of England and Ireland the barometer has fallen below 28.8 ins. In the extreme south of France the readings are above 30.1 ins. and gradients are therefore steep, or rather so, over Western Europe generally. In Ireland and the south-west of England the barometer is now rising again in the rear of the disturbance, but in all other parts of our area the mercury is falling.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind is strong from the W^d on most parts of our western and southern coasts, but is S.W.^d or S.^d on our east coasts, and over the western parts of the Continent generally. In Scotland and the north of Ireland it is chiefly N.^d Temperature has fallen over our Islands generally, but is still above the average at all but our extreme northern and north-western stations; in the south the morning readings range between 46° and 49°. In the west of France the thermometer is above 50°, and at Biarritz it stands at 59°. The weather is temporarily fine over the eastern and central parts of England, but is cloudy and unsettled over Western Europe as a whole; rain is falling at several of our northern stations and also at Brussels and the Scaw, and sleet at Stornoway. The sea is high at Pembroke and off the north-west of France, and is rough or rather so on all but our east coasts.

During yesterday the thermometer rose to 50° or slightly above it at most of the English and Irish stations, and to 55° at Donaghadee. The amount of bright sunshine was generally small; in many parts of Great Britain there was none. Rain fell over nearly the whole of our Islands and the neighbouring parts of the Continent - heavily in places; at Lisbon the amount measured this morning is as much as 2.1 ins.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The cyclonic system will probably continue to travel north-eastwards, and in its rear the wind is likely to veer to the W^d over England, with colder weather. It is not unlikely that in the course of the ensuing 24 hrs. fresh disturbances will begin to approach our extreme western coasts.

FORECASTS *

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

DISTRICTS.



FORECASTS.

DISTRICTS.

FORECASTS.

0	{ SCOTLAND NORTH	{ N th winds, freshening; changeable, some snow or sleet showers.
1	{ SCOTLAND EAST	
2	{ ENGLAND N.E.	{ S.W. th to W. th winds, strong in places; changeable, some showers. Colder.
3	{ ENGLAND EAST	
4	{ MIDLAND COUNTIES	{ S.W. th and W. th winds, strong; fair generally, but local showers probable. Becoming temporarily colder.
5	{ ENGLAND SOUTH	

6	{ SCOTLAND WEST	{ N th and N.W. th winds, strong to a gale; squally, with hail or sleet showers.
7	{ ENGLAND N.W.	
8	{ ENGLAND S.W.	{ W. th and N.W. th winds, strong; a gale in places; squally, showery.
9	{ IRELAND NORTH	
10	{ IRELAND SOUTH	{ Same as Nos. 7 and 8. At 7 p.m. yesterday to districts 3, 5 and parts of 2 and 8, "Keep up South Cone". The signals are also flying in districts 6, 7, 9, 10 and the remainder of 2 and 8.
	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	*	*	*	*	*	*	*	*	*	*	b	*	o.c	48	44	0.1	-	
Newton Reigny (Penrith)	29.16	41	SW 3	r	28.78	-29	39	39	-7	SW 6	79	*	o.rg	48	39	0.0	0.65	
Bath	29.36	52	SW 4	o	29.28	-19	47	43	+5	S 6	o	*	-	54	46	0.0	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 9 p.m....	52	46	ot, c, o.rg	0.8	0.09	Eastbourne,	*	*	*	0.1	*
Rhyl,	*	*	*	1.3	*	Hastings	*	*	*	0.3	*
Llandudno	*	*	*	2.9	*	Lowestoft, to 6 p.m. ...	52	46	op, c	0.0	0.19
Aberystwyth, to 6 p.m. ...	51	46	o.c	1.0	0.10	Harrogate, to 6 p.m. ...	51	36	ot, c, b	0.4	0.16
Plymouth, to 9 p.m....	55	48	c.p	0.4	0.11	Manchester, to 9 p.m. ...	52	47	ot, p, o	0.0	0.04
Worthing	*	*	*	0.0	*	Darwen, to 9 p.m. ...	50	43	ogr, ot	0.0	0.17
Brighton	*	*	*	0.1	*	Birmingham, to 9 p.m. ...	52	46	c, o, c	0.9	-

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

STATIONS. 6.1.03	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max. °	Min. °				Max. °	Min. °		
Madeira (Funchal)	*	*	*	Ins.	Algiers	64	52	b b	-
Madrid	*	*	*	-	Tunis	64	43	c c	-
Corsica (I. Sanguinaires) ...	63	45	c f	-	Vienna	50	43	m c	0.91
Rome	56	45	o o	-	St. Petersburg	43	10	s o	0.04
Florence	51	49	m c	-	5 Jan ^y 03		1 p.m.	1 p.m.	Measured 7 a.m.
Trieste	43	41	o f	-	Lugano	39	-	b	-
Naples	59	51	b o	-	Davos	41	-	bc	0.47
Palermo	56	51	b b	-	Lucerne	57	-	o	0.12
Malta	61	55	? c	-	Lausanne	50	-	bc	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.

	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.

7 Jan ^y 1903	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	h. m. 8. 4	h. m. 11. 59	h. m. 3. 54
Greenwich	8. 6	12. 6	4. 6
Wick	9. 0	12. 18	3. 36
Valencia	8. 49	12. 47	4. 44

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.

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

DAILY WEATHER REPORT

for 8 a.m. on

FRIDAY 9TH JANUARY

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.)			Weather.	Max.	Min.
SCANDINAVIA.	Haparanda ...	29.29	13	NE	4	o	29.29	-0.08	13	13	0	NNE	2	o	*	-	19	10	*	-		
	Hernösand ...	29.26	21	Z	0	o	29.39	+0.28	15	13	-12	Z	0	o	*	-	32	15	*	-		
	Stockholm ...	29.23	33	S	2	r	29.49	+0.44	30	29	-7	W	2	o	*	-	39	30	*	0.08		
	Wisby ...	29.26	37	W	4	c	29.63	+0.46	35	34	-5	W	4	b	*	-	41	32	*	-		
	Karlstad ...	29.34	32	NW	4	o	29.48	+0.46	34	33	-1	WSW	2	c	*	1.0	*	*	0.04			
	Færder (X'ania Fjord)	29.38	35	W	4	o	29.49	+0.46	35	34	+4	WSW	5	c	3	-	36	30	*	0.08		
	Bodö ...	29.26	27	E	6	b	29.31	+0.05	23	22	-4	E	4	c	2	-	27	21	*	-		
	Christiansund ...	29.22	37	SW	2	bc	29.38	+0.38	36	32	+1	WSW	5	o	3	-	27	34	*	-		
	Skudesnaes ...	29.38	37	W	8	o	29.50	+0.35	39	35	+1	Z	0	b	4	c, o	39	36	*	*		
	Sumburgh Head	29.18	38	WNW	4	c	29.50	+0.36	36	35	-1	N	1	c	4	o, c	39	33	*	0.24		
BRITISH ISLANDS.	Stornoway ...	29.52	34	W	4	o	29.47	+0.01	32	31	-1	NE	2	b	0	c, o	36	?	2.1	0.20		
	Malin Head ...	29.58	35	SSE	3	og	29.25	-0.37	36	36	-2	E	8	r	5	b, og, r	38	33	*	0.20		
	Blacksod Pt. ...	29.49	34	ENE	6	osp	29.14	-0.52	39	38	+2	NE	7	og, spm	5	om, osp, b	39	30	*	0.13		
	Valencia ...	29.23	45	E	6	o	28.98	-0.61	47	46	+9	NE	2	r	4	og, sp, t, sp	51	34	0.0	0.78		
	Roche's Point ...	29.30	50	SSW	4	rm	29.04	-0.61	50	50	+13	SSE	4	om	4	r, rm	50	36	*	1.06		
	Parsonstown ...	29.44	33	E	2	S	29.07	-0.61	38	38	+12	E	1	otm	*	o, S	41	25	0.0	0.98		
	Donaghadee ...	29.58	40	SE	3	c	29.21	-0.44	45	44	+14	SE	4	rm	5	-	45	28	*	0.91		
	Liverpool Obsy.	29.63	36	SE	3	r	29.31	-0.39	43	42	+7	SSE	3	o	3	o, r, s, r	44	33	*	0.20		
	Holyhead ...	29.57	38	E	2	ms	29.21	-0.47	49	47	+12	S	3	c	2	o, ms	49	34	*	0.23		
	Pembroke (St. Ann's)	29.47	43	ESE	5	o	29.19	-0.48	49	48	+9	SE	4	ty, m	4	-	50	39	0.0	0.16		
GERMANY, &c.	Scilly (St. Mary's) ...	29.40	52	S	4	o	29.08	-0.50	51	50	+2	SSE	6	op	5	r, o	53	47	0.0	0.07		
	Jersey (St. Aubins) ...	29.66	48	SSE	3	c	29.44	-0.48	45	45	-	SE	5	ogp	4	c, og	50	48	?	0.03		
	Portland Bill ...	29.59	47	SSE	3	c	29.38	-0.33	48	46	+2	S	3	c	3	r, c	49	45	*	0.16		
	Dungeness ...	29.70	49	SSE	2	cp	29.51	-0.24	48	47	-2	S	5	c	3	r, cp	50	44	*	0.03		
	Wick ...	29.43	29	NW	4	o	29.49	+0.16	38	37	+7	E	3	ou	2	-	38	27	*	0.05		
	Nairn ...	29.52	32	W	1	c	29.48	+0.03	30	29	-1	Z	0	o	0	-	33	27	*	-		
	Aberdeen ...	29.55	32	WSW	3	m	29.52	+0.06	32	31	0	W	1	o	2	-	34	30	4.2	-		
	Leith ...	29.61	36	WSW	1	b	29.38	-0.18	35	35	+2	E	3	r, b	*	b, s	38	31	*	0.45		
	North Shields ...	29.64	36	W	1	bc	29.37	-0.22	39	39	+5	SE	1	r	2	b, bc, s	39	32	*	0.21		
	Spurn Head ...	29.69	36	SE	3	c	29.41	-0.23	42	42	+6	ESE	4	c	3	c, f, r	43	35	*	0.07		
FRANCE.	Yarmouth ...	29.72	40	SSE	4	c	29.52	-0.18	44	43	+7	S	3	bc	4	bc, c	44	36	*	-		
	Loughborough ...	29.67	37	SE	2	o	29.40	-0.30	42	41	+9	ESE	2	ogm	*	bc, omp	44	31	*	0.10		
	Oxford ...	29.62	43	ESE	1	r	29.41	-0.33	45	43	+10	SE	2	b	*	-	46	34	*	0.06		
	London (Brixton)	29.67	42	SE	1	o	29.45	-0.28	46	44	+11	SSE	5	c	*	fg, otq	47	35	0.0	0.05		
	The Scaw (Skagen)	29.52	37	W	4	bc	29.61	+0.51	36	35	-4	SW	3	c	1	-	41	34	*	-		
	Fanö ...	29.73	37	SW	3	b	29.72	+0.33	36	35	-4	S	2	o	*	-	41	36	*	-		
	Cuxhaven ...	29.80	38	WSW	2	b	29.71	+0.12	39	39	-3	S	2	o	*	-	42	36	*	-		
	The Helder ...	29.75	39	WSW	1	o	29.60	-0.08	40	39	-2	S	1	c	1	-	43	39	*	-		
	Brussels ...	*	*	*	*	*	29.69	-0.14	42	40	-2	SSE	6	b	*	-	47	41	*	-		
	Berlin ...	29.86	45	W	2	c	29.84	+0.12	41	41	-5	SSE	2	o	*	-	48	41	*	-		
SPAN. PEN.	Frankfurt ...	29.89	48	SW	2	c	29.86	-0.01	39	37	-9	E	1	b	*	-	52	37	*	-		
	Munich ...	29.99	36	SW	2	b	29.95	-0.08	35	33	-3	SE	3	bc	*	-	48	32	*	-		
	C. Gris Nez ...	29.71	47	S	3	o	29.54	-0.21	46	44	-1	SSE	4	bc	2	-	50	43	*	-		
	Brest ...	29.52	52	SE	3	bc	29.29	-0.38	52	52	+2	SE	4	o	4	-	54	50	*	0.04		
	Lorient ...	29.59	50	SSE	4	c	29.37	-0.32	53	50	+3	S	4	o	5	-	55	48	*	-		
	Rochefort ...	29.71	50	SE	4	b	29.58	-0.21	49	46	+1	SSE	5	c	*	o, b	54	45	*	-		
	Biarritz ...	29.73	58	S	3	b	29.58	-0.24	60	55	-1	S	4	c	3	-	63	54	*	-		
	Paris ...	29.81	48	S	2	o	29.67	-0.18	42	40	-3	S	3	b	*	-	51	41	*	-		
	Belfort ...	29.91	46	Z	0	o	29.86	-0.11	38	35	-4	ENE	3	b	*	-	54	35	*	-		
	Lyons ...	?	52	S	3	c	29.84	-0.18	?	45	?	NE	1	b	*	-	55	45	*	?		
Nice ...	30.06	52	E	4	c	30.04	-0.08	50	46	+8	E	2	c	3	-	55	42	*	-			
Perpignan ...	29.92	52	S	2	c	29.82	-0.19	51	51	+8	SE	2	bc	*	-	56	43	*	-			
SPAN. PEN.	Corunna ...																					
	Lisbon ...																					
	Azores (P. Delgada)																					
SPAN. PEN.	" (Horta)	29.70	57	NW	5	o	29.76	+0.27	57	51	0	NW	5	c	2	-	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

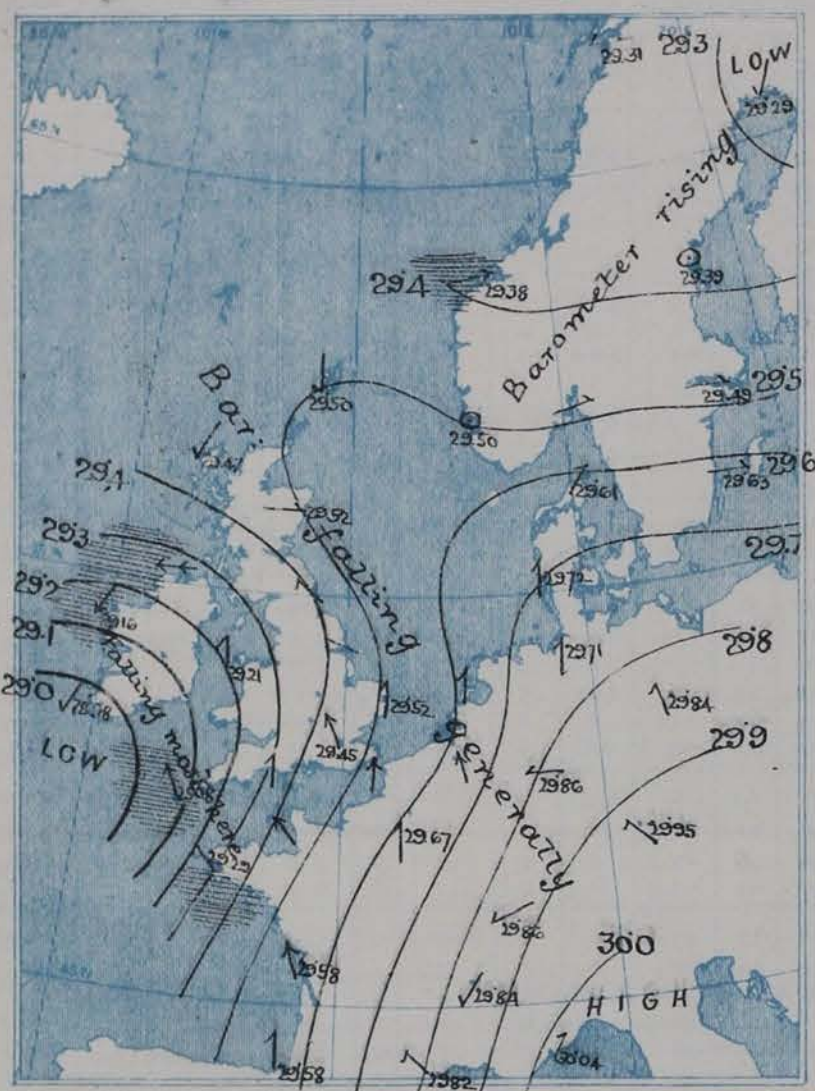
FOR *Friday, 9th January, 1903.*

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

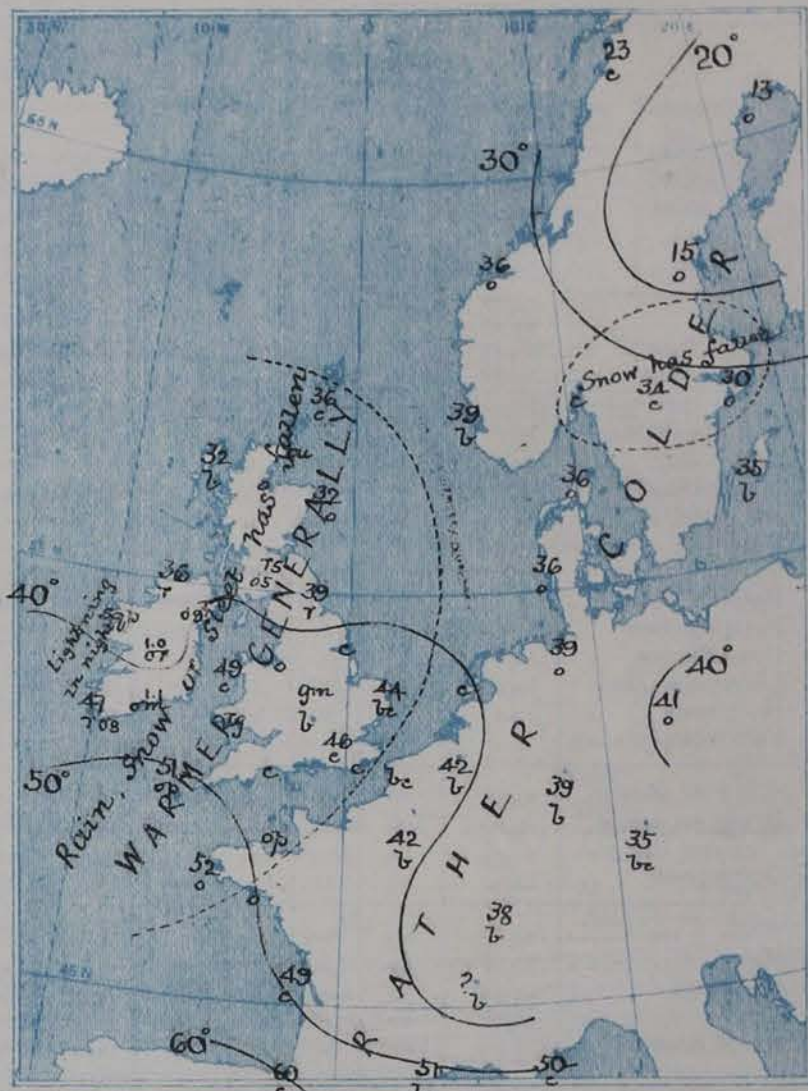


II. TEMPERATURE AND WEATHER. *This Morning.*

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 JANUARY.

Specimen (for Stornaway) { Average N° of Hours daily } 0.9
Total Possible 7.1



V. Means of DAILY TEMPERATURE

at 8 A.M. for the monthly period

JANUARY (1871-1900.)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The cyclonic system noticed over these Islands yesterday has travelled north-eastwards to the west coasts of Norway, and is apparently filling up, the readings of the barometer in its vicinity being a little below 29.0 ins. In its rear the mercury is still rising over the greater part of the United Kingdom, as well as on the eastern shores of the North Sea. A new disturbance is, however, approaching our south-west coasts, and the barometer is consequently beginning to fall again in that neighbourhood. The highest pressures, 30.1 ins. and upwards, are still found in the extreme south of France.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind is moderate to strong from the N^d in the north of Scotland, but is W^{ly} over the northern parts of the United Kingdom generally, and also on the eastern shores of the North Sea; in Germany and the south of Sweden it is S.W^{ly}, while in the north of Scandinavia it is E^{ly} or N.E^{ly}. Over France moderate S^{ly} breezes are reported, while on our own south-west coasts the influence of the approaching disturbance is shown by a shift of wind to the E^d. Temperatures have fallen decidedly in our Islands, and slightly in France, but has risen a little in Germany. Over the United Kingdom the readings are now below the average, frost being reported at several of our northern and central stations; at Newton Reigny (Perth) the thermometer stands at 28° and at Parsonstown at 26°. At the English Channel stations, however, the readings are above 45°. The weather is fine over the greater part of the United Kingdom, but is dull on our extreme south-west coasts, with passing showers at Bally. At most of the Continental stations the sky is cloudy or overcast; rain is falling at Brest. The sea is rough off the north of Scotland, and rather rough at Bally, but moderate or slight elsewhere.

Rain fell yesterday over north-western Europe generally, but over England the sky quickly cleared, so that fairly large amounts of bright sunshine were recorded in places; at Lowestoft there was 3.8 hr. and in London (Westminster) 3.7 hr. Frost occurred last night in most parts of the United Kingdom, the lowest temperatures reported being:—(1) In the screen, 25° at Parsonstown, 28° at Nairn, and 29° at Wick, Aberdeen and Donaghadee; (2) On the grass, 25° in London and 26° at Loughborough and Oxford.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The disturbance which is approaching our south-west coasts is at present too distant for its size and intensity to be accurately determined. The system is, however, likely to spread north-eastwards, and unsettled, rainy weather will probably extend during the ensuing 24 hours in a similar direction over nearly the whole of Ireland and England.

FORECASTS *

For the 24 hours ending at NOON on 9th January, 1903

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

0 { SCOTLAND
NORTH

Wind becoming light and variable; fair generally, sharp frost at night.

6 { SCOTLAND
WEST

Same as Nos. 0 and 1.

1 { SCOTLAND
EAST

7 { ENGLAND
N.W.

Wind shifting to the E and freshening; fair at first, some rain later.

2 { ENGLAND
N.E.

S.W^{ly} to S.E^{ly} winds, light or moderate;

8 { ENGLAND
S.W.

S.E^{ly} winds, increasing in force; dull, rainy.

3 { ENGLAND
EAST

fair generally, frost at night.

9 { IRELAND
NORTH

Same as No. 7.

4 { MIDLAND
COUNTIES

E^{ly} or S.E^{ly} winds, freshening; fair to-day, some

10 { IRELAND
SOUTH



E^{ly} or S.E^{ly} winds, freshening; dull, rainy.

5 { ENGLAND
SOUTH

rain to-morrow. Becoming milder again.

WARNINGS

The South Cone is still flying in districts 3, 5 and parts of 2 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 (), 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	*	*	*	*	*	*	*	*	*	*	b	*	bc, b	49	36	5.3	-
Newton Reigny (Penrith)	29.77	41	W 4	c	29.61	+83	28	27	-11	SW 2	bc	*	ot, c, s	47	28	0.3	0.25
Bath	29.49	46	SW 5	o	29.71	+43	34	33	-13	SW 1	o	*	-	50	32	3.5	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.	46	42	o, op, c	0.1	0.17	Eastbourne,	*	*	*	1.0	*
Rhyl,	*	*	*	1.2	*	Hastings	*	*	*	0.8	*
Llandudno	*	*	*	0.6	*	Lowestoft, to 6 p.m. ...	50	43	c, op, c	3.8	0.01
Aberystwyth, to 6 p.m. ...	51	45	c, o	?	0.10	Harrogate, to 6 p.m. ...	49	40	b, c, b, c	3.0	0.07
Plymouth, to 9 p.m.	50	46	o, bc	3.5	0.01	Manchester, to 9 p.m. ...	49	38	r, o, o, r, p	0.1	0.48
Worthing	*	*	*	2.6	*	Darwen, to 9 p.m. ...	45	36	o, cr, o, w	0.0	0.32
Brighton	*	*	*	2.1	*	Birmingham, to 9 p.m. ...	48	39	cp, c	0.6	0.11

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.		
7. 1. 03									
Madeira (Funchal)	66	50	b o	Ins.	Algiers	70	54	c b	Ins.
Madrid	Not recd.				Tunis	61	43	bc bc	—
Corsica (I. Sanguinaires) ...	59	48	f f	—	Vienna	59	32	b m	—
Rome	56	44	f o	—	St. Petersburg	30	25	c o	—
Florence	56	48	m m	—	1 p.m.			1 p.m.	Measured 7 a.m.
Trieste	43	41	o m	0.20	Lugano	39	—	o	—
Naples	56	51	o o	—	Davos	32	—	b	0.08
Palermo	64	39	b b	—	Lucerne	45	—	b	—
Malta	64	55	? o	—	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.

* 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)	3 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.

8. 1. 1903	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	8 4	12.0	3.56
Greenwich	8 6	12.7	4.8
Wick	9 0	12.19	3.38
Valencia	8.49	12.48	4.46

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, 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 SATURDAY 10th JANUARY.

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° Fahr. 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 ...	29.38	3	2	0	b	29.43	+14	12	12	-1	2	0	0	*	16	3	*	-
	Hernösand ...	29.54	9	2	0	b	29.47	+08	5	4	-10	2	0	0	*	23	5	*	-
	Stockholm ...	29.62	29	W	2	bc	29.42	-07	33	32	+3	E	2	S	*	36	28	*	0.08
	Wisby ...	29.72	35	W	2	o	29.47	-16	37	37	+2	S	2	0	*	41	32	*	-
	Karlstad ...	29.62	22	NW	2	b	29.30	-18	30	29	-4	NW	2	S	*	*	*	*	0.24
	Færder (X'iania Fjord) ...	29.58	30	NNE	2	m	29.30	-19	27	27	-8	N	6	S	2	36	27	*	-
	Bodö ...	29.38	23	E	4	S	29.37	+06	19	17	-4	E	2	b	1	27	19	*	-
	Christiansund ...	29.56	36	W	3	S	29.36	-02	30	28	-6	WSW	1	b	5	36	28	*	0.32
	Skudesnaes ...	29.51	38	ESE	4	r	29.21	-29	33	33	-6	N	4	ots	3	39	32	*	*
	Sumburgh Head ...	29.45	39	NE	3	c	29.46	-04	32	31	-4	N	5	osp	5	39	31	*	0.12
BRITISH ISLANDS.	Stornoway ...	29.36	39	E	6	o	29.51	+04	36	34	+4	NNE	6	o	6	41	31	0.0	0.17
	Malin Head ...	28.96	40	ENE	7	t	29.24	-01	39	38	+3	NNE	9	tg	7	42	36	*	2.04
	Blacksod Pt. ...	29.11	40	N	6	cpm	29.40	+26	42	40	+3	N	8	og, hpm	6	43	38	*	0.44
	Valencia ...	29.18	43	N	5	op	29.40	+42	43	40	-4	N	7	op	6	48	39	0.0	0.59
	Roche's Point ...	29.04	49	NNW	6	o	29.28	+24	41	40	-9	NW	5	c	4	50	39	*	0.10
	Parsonstown ...	28.99	37	W	4	otg	29.22	+15	38	37	0	NW	4	otg	*	48	36	0.0	0.27
	Donaghadee ...	28.95	46	SE	4	tg	29.01	-26	44	43	-1	NE	6	ogq	6	48	39	*	0.84
	Liverpool Obsy. ...	29.06	49	S	3	c	29.21	-10	40	38	-3	WSW	3	b	3	49	40	*	0.09
	Holyhead ...	28.95	48	S	6	du	29.15	-06	42	41	-7	WSW	7	og	6	49	41	*	0.18
	Pembroke (St. Ann's) ...	29.01	50	SSW	7	o	29.27	+08	46	42	-3	WSW	7	cq	6	52	44	0.0	0.43
GERMANY, &c.	Scilly (St. Mary's) ...	29.20	52	W	6	c	29.41	+33	48	46	-3	WNW	5	chp	5	54	45	1.2	0.04
	Jersey (St. Aubins) ...	29.44	51	S	5	cg	29.51	+07	49	48	+1	WSW	3	om	3	54	48	0.5	0.01
	Portland Bill ...	29.34	50	SW	3	c	29.40	+02	46	42	-2	W	5	bc	4	51	45	*	0.02
	Dungeness ...	29.44	50	SSW	5	r	29.43	-08	49	48	+1	SW	6	bc	4	50	47	*	0.07
	Wick ...	29.34	39	E	6	o	29.44	-05	36	34	-2	NE	6	ou	5	42	35	*	0.08
	Nairn ...	29.30	33	E	1	ts	29.40	-08	37	35	+7	NNE	4	ots	3	38	29	*	0.32
	Aberdeen ...	29.26	36	ENE	8	tg	29.32	-20	37	36	+5	NE	9	ts	7	39	32	0.0	1.34
	Leith ...	29.10	40	NE	3	t	29.25	-13	39	38	+4	NE	4	t	*	41	33	*	1.41
	North Shields ...	29.09	39	S	1	t	29.13	-24	42	41	+3	WSW	2	op	2	42	39	*	0.23
	Spurn Head ...	29.17	46	S	5	bc	29.26	-15	41	40	-1	SW	4	bcq	3	47	40	*	0.08
FRANCE.	Yarmouth ...	29.35	47	SSW	5	cm	29.36	-16	47	45	+3	SW	3	c	4	47	43	*	-
	Loughborough ...	29.20	51	SW	5	o	29.29	-11	40	37	-2	WSW	3	bc	*	51	40	*	0.01
	Oxford ...	29.28	50	S	5	b	29.37	-04	42	40	-3	S	3	bq	*	51	42	*	0.02
	London (Brixton) ...	29.36	52	SSW	4	og	29.38	-07	45	43	-1	WSW	2	c	*	52	45	0.0	0.02
	The Scaw (Skagen) ...	29.57	36	S	2	m	29.23	-38	41	41	+5	SW	3	f	1	41	36	*	0.32
	Fanö ...	29.49	41	S	4	o	29.33	-39	41	40	+3	S	6	c	*	41	36	*	0.16
	Cuxhaven ...	29.59	42	S	2	b	29.44	-27	45	44	+6	SW	4	o	*	45	39	*	-
	The Helder ...	29.45	46	SSW	2	o	29.37	-23	45	44	+5	SW	5	b	4	48	39	*	-
	Brussels ...	*	*	*	*	*	29.54	-15	48	47	+6	SSW	5	t	*	52	41	*	-
	Berlin ...	29.76	42	SSE	2	b	29.65	-19	40	37	-1	S	2	t	*	48	37	*	-
SPAN. PEN.	Frankfurt ...	29.45	39	N	1	f	29.71	-15	39	38	0	S	1	o	*	48	37	*	-
	Munich ...	29.87	39	SW	3	b	29.85	-10	38	36	+3	Z	0	m	*	46	34	*	-
	C. Gris Nez ...	29.48	49	SSW	5	t	29.45	-09	47	47	+1	SSW	5	o	5	52	46	*	0.16
	Brest ...	29.42	52	SW	4	o	29.51	+22	48	48	-4	NW	3	bc	5	54	48	*	0.04
	Lorient ...	29.50	51	SW	4	o	29.54	+17	51	51	-2	W	4	t	5	55	48	*	0.20
	Rochefort ...	29.60	51	SSE	3	bc	29.65	+07	50	49	+1	S	1	t	*	54	48	*	-
	Biarritz ...	29.60	64	S	5	o	29.68	+10	61	57	+1	S	4	c	3	64	55	*	-
	Paris ...	29.63	53	S	3	o	29.61	-06	48	46	+6	SSW	3	o	*	55	42	*	0.04
	Belfort ...	29.78	45	Z	0	b	29.73	-13	45	43	+7	W	2	o	*	53	35	*	-
	Lyons ...	29.77	58	SSW	5	o	29.77	-07	56	50	?	SSW	3	o	*	60	55	*	0.24
SPAN. PEN.	Nice ...	30.00	53	WSW	2	o	29.99	-05	50	48	0	Z	0	t	5	57	46	*	0.16
	Perpignan ...	29.74	54	SSE	2	c	29.76	-06	48	48	-3	SW	1	o	*	59	46	*	-
SPAN. PEN.	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lisbon ...	29.51	55	ESE	4	b	29.62	+16	54	53	+1	ESE	1	bc	*	59	53	*	-
SPAN. PEN.	Azores (P. Delgada) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	" (Horta) ...	30.02	56	NW	3	c	30.08	+32	50	47	-7	NW	3	b	2	57	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 *Saturday, 10th January, 1903.*

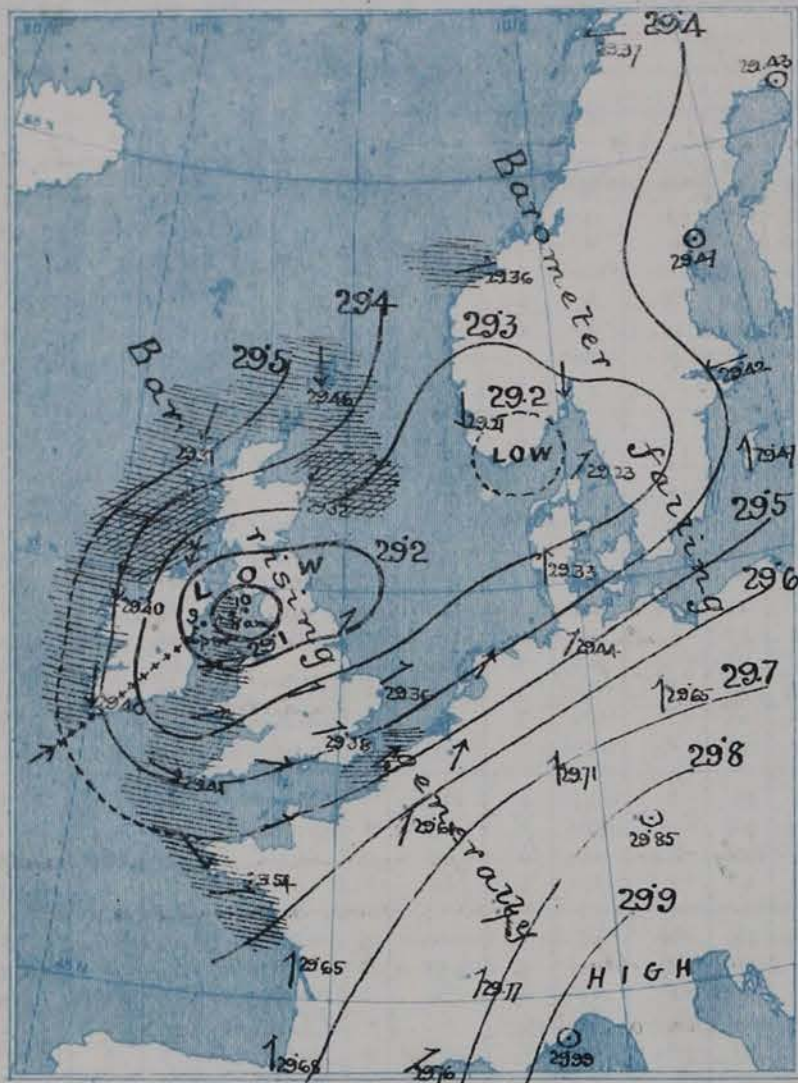
I. BAROMETER, WIND AND SEA. *This Morning.*

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

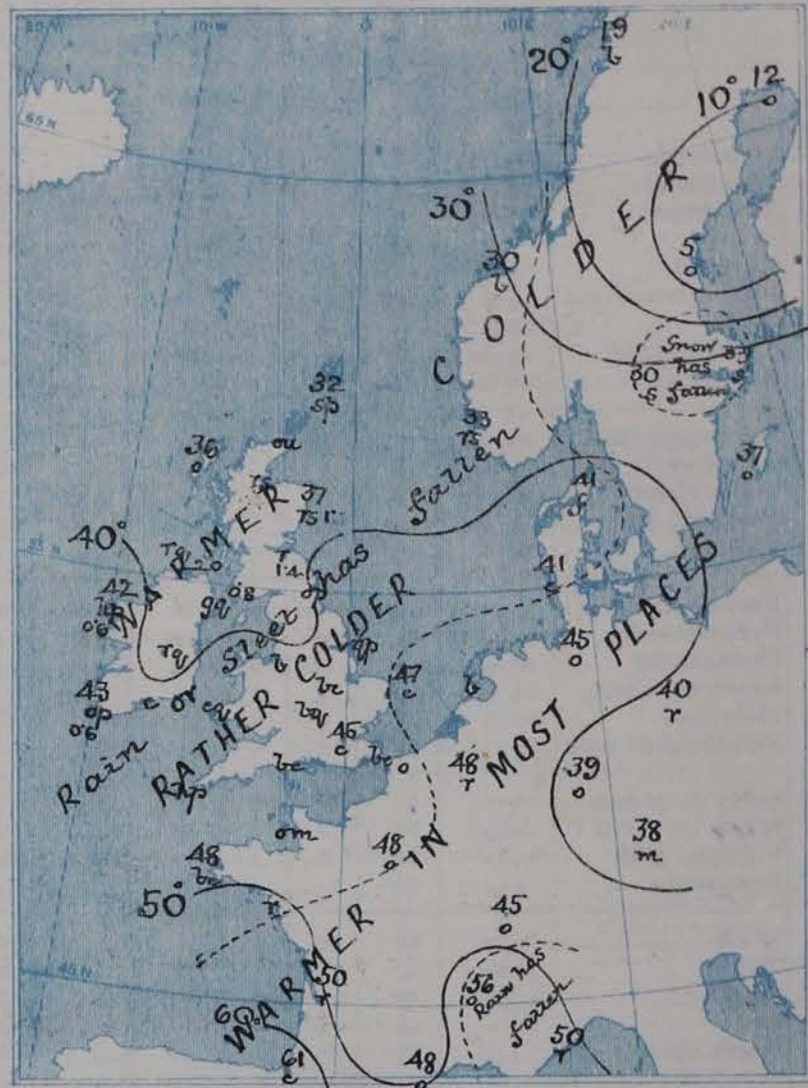


II. TEMPERATURE AND WEATHER. *This Morning.*

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 full in past 24 hours when exceeding half an inch is shown thus — 1/2.



III. BAROMETER AND WIND

Yesterday morning.



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

Specimen {Average N^o of Hours daily } 0.9
(for Stornoway) {Total Possible } 7.1



V. Means of DAILY TEMPERATURE

at 8.A.M. for the monthly period

JANUARY (1871-1900.)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The cyclonic system which was approaching our south-west coasts yesterday has continued to advance north-eastwards. Its centre is now lying, apparently, not far from the south coast of Ireland, the minimum pressures in that neighbourhood being below 29.0 in. and the barometer is falling over Western Europe generally—briskly on all our south-west coasts. In Scandinavia the mercury is also low, but is at present rising. The highest readings of the barometer, 30.0 in. and upwards, are still reported over the extreme south of France.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind is S³ or S.E.³ over England, the south of Ireland and the western parts of the Continent—light to fresh in force generally, but strong at the mouth of the English Channel; in Scotland the wind is light from the E.³ while on the north coasts of Ireland, it is strong to a gale from the same quarter, or from N.E.³ Over the southern parts of Scandinavia moderate W.³ breezes are reported, while in the north of that peninsula the wind is E.³ or N.E.³ Temperature has risen briskly over England and Ireland, and is again considerably above the average at all our more southern stations, the thermometer ranging in most places between 46° and 50°, but touching 51° at Scilly. In Scotland the thermometer remains low, with frost at many of the northern and central stations; in Sweden the frost has become rather severe. Rain is falling in the west of our Islands and sleet at Blackrod Point and also at Leith; over the south-eastern parts of England and in France, South Germany and the Netherlands the weather is at present fair. The sea is rather rough at the mouth of the Channel and also off the north coasts of Ireland, but is slight or smooth elsewhere.

Snow or sleet fell yesterday at several of our more northern stations, and rain in the south, the amount measured being as large as 1.1 in. at Roches Point, 1.0 in. at Parnassstown and 0.9 in. at Donaghadee. Lunar halos were seen last evening at Stornoway and Jersey, and lightning occurred during the night at Blackrod Point.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The cyclonic system will probably continue to advance slowly north-eastwards, and unsettled weather is likely to continue generally, with some further increase of wind on our southern coasts. In the north the wind will probably freshen from the East with snow.

FORECASTS *

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

DISTRICTS.

FORECASTS.

0	{ SCOTLAND NORTH	E ³ winds, freshening; dull, unsettled, some snow.
1	{ SCOTLAND EAST	
2	{ ENGLAND N.E.	S.E. ³ winds, freshening; changeable, some rain. Milder.
3	{ ENGLAND EAST	
4	{ MIDLAND COUNTIES	S ³ winds, increasing in force; mild, changeable, some rain.
5	{ ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	{ SCOTLAND WEST	Same as Nos. 0 and 1.
7	{ ENGLAND N.W.	
8	{ ENGLAND S.W.	S.E. ³ and S ³ winds, increasing to a gale; mild, rainy.
9	{ IRELAND NORTH	
10	{ IRELAND SOUTH	E ³ gales and strong winds; unsettled, some cold rain or sleet.
	WARNINGS	E ³ and S.E. ³ winds, freshening; mild, rainy.
		At 3.20 p.m. yesterday to districts 7, 9 and 10 and part of 8, and at 10 a.m. to-day to the remainder of 8, 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.	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	*	*	*	*	*	*	*	*	*	c	*	bc, f	45	36	2.0	0.03
Newton Reigny (Penrith) ...	29.62	29	S 1	0	29.28 -33	35	34	+7	SE 1	0	*	bc, omgs	37	28	4.0	0.10
Bath	29.59	43	E 1	0	29.37 -34	46	44	+12	S 3	0	*	-	48	34	0.0	0.04

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather.	Sunshine.	Rainfall.	STATIONS.	TEMPERATURE F.		Weather.	Sunshine.	Rainfall.
	Max.	Min.	(Beaufort.)	Hrs.	Ins.		Max.	Min.	(Beaufort.)	Hrs.	Ins.
Southport, to 9 p.m. ...	42	32	o, c, o, s	1.8	0.11	Eastbourne, ...	*	*	*	0.0	*
Rhyl,	*	*	*	0.0	*	Hastings	*	*	*	0.0	*
Llandudno	*	*	*	0.1	*	Lowestoft, to 6 p.m. ...	45	34	c, b, p, c, o, f	2.7	0.03
Aberystwyth, to 6 p.m. ...	46	35	c, o	?	0.06	Harrogate, to 6 p.m. ...	42	31	b, m	4.4	-
Plymouth, to 9 p.m. ...	51	37	o, p, o, f	0.0	0.10	Manchester, to 9 p.m. ...	42	32	bc, m, s, f	0.0	0.03
Worthing	*	*	*	0.0	*	Darwen, to 9 p.m. ...	38	30	c, b, o, s	2.6	0.08
Brighton	*	*	*	0.0	*	Birmingham, to 9 p.m. ...	48	34	c, o, f	0.0	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.		
8. 1. 03										
Madeira (Funchal) ...	64	50	r	r	Ins. 1.26	Algiers	68	54	bc	c
Madrid	54	36	o	b	—	Tunis	46	43	bc	c
Corsica (I. Sanguinaires) ...	61	46	f	f	—	Vienna	46	30	m	m
Rome	56	42	o	o	—	St. Petersburg ...	30	27	s	r
Florence	55	49	o	o	—		1 p.m.		1 p.m.	Measured 7 a.m.
Trieste	45	43	o	m	—	Lugano	41	—	o	—
Naples	57	49	b	b	—	Davos	32	—	o	—
Palermo	66	38	b	b	—	Lucerne	43	—	o	—
Malta	54	?	?	m	—	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.

	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.

9. Jan. 1903	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
	h. m.	h. m.	h. m.
Yarmouth	8. 3	12. 0	3. 57
Greenwich	8. 5	12. 7	4. 9
Wick	8. 59	12. 19	3. 40
Valencia	8. 48	12. 48	4. 18

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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 SUNDAY 11TH JANUARY.

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.)		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 ...	29.43	-6	NE	2	0	29.55	+12	7	6	-5	N	2	0	*	-	16	?	*	0.12	
	Hernösand ...	29.29	17	2	0	S	29.45	-02	13	12	+8	Z	0	0	*	-	18	3	*	0.12	
	Stockholm ...	29.13	33	2	0	r	29.21	-21	29	28	-4	NNE	2	S	*	-	36	20	*	0.43	
	Wisby ...	29.23	41	SW	4	c	29.22	-25	38	36	+1	SW	2	0	*	-	41	30	*	0.16	
	Karlstad...	29.17	27	NNE	4	S	29.32	+02	24	24	-6	NNE	6	S	*	-	*	*	*	0.39	
	Færder (X'ania Fjord)	29.16	28	N	6	0	29.34	+04	29	27	+2	N	8	0	3	-	?	27	*	-	
	Bodö ...	29.43	21	E	2	b	29.74	+37	12	9	-7	E	2	b	1	-	21	10	*	-	
	Christiansund ...	29.43	29	W	6	S	29.61	+25	30	27	0	ENE	9	S	6	-	30	27	*	0.16	
	Skudesnaes ...	29.21	32	NNW	4	bc	29.43	+22	28	26	-5	NNW	4	c	2	c, bc	36	28	*	*	
	Sumburgh Head ...	29.55	28	N	5	b	29.77	+31	31	29	-1	N	4	0	6	b	32	27	*	0.02	
BRITISH ISLANDS.	Stornoway ...	29.78	31	NNE	6	0	29.95	+44	31	31	-5	NNE	6	S	6	S, 0	39	25	0.7	0.06	
	Malin Head ...	29.68	37	N	7	chg	29.95	+71	35	34	-4	NNE	7	bc, chg	6	c, chg	40	32	*	0.08	
	Blacksod Pt. ...	29.79	38	N	7	cm, hp	30.04	+64	33	33	-9	N	5	eq, sp	5	cq, mp, hp	43	32	*	0.10	
	Valencia...	29.70	40	NNE	7	0	29.99	+59	35	31	-8	NE	2	c	4	0, 75, 0	45	34	0.0	0.09	
	Roche's Point ...	29.51	39	N	7	bc	29.92	+64	31	29	-10	N	3	b	2	0, bc	42	30	*	0.03	
	Parsonstown ...	29.62	36	N	6	0	29.96	+74	28	27	-10	N	2	b	*	0, S, 0	38	27	0.0	0.22	
	Donaghadee ...	29.59	37	NE	7	sq, u	29.89	+88	35	31	-9	NNE	5	b	4	-	44	32	*	0.23	
	Liverpool Obsy. ...	29.45	36	ENE	4	r	29.82	+61	30	28	-10	NNE	4	b	3	0, 1, S	43	29	*	0.26	
	Holyhead ...	29.39	40	NE	7	r, q, u	29.83	+68	34	32	-8	NE	7	c, q	5	c, r, q, u	45	32	*	0.10	
	Pembroke (St. Ann's)	29.29	40	NE	2	c	29.79	+52	35	32	-11	N	5	c, q, q	4	c, S, 1, S, p	47	31	0.8	0.09	
GERMANY, &c.	Scilly (St. Mary's)...	29.34	45	NW	7	c, q	29.67	+26	42	40	-6	N	8	r, q	5	c, c, q	48	38	4.8	0.31	
	Jersey (St. Aubins)...	29.47	46	W	3	c	29.42	-09	42	41	-7	SSW	3	cp	3	0, c, q, p	50	42	0.0	0.06	
	Portland Bill ...	29.38	46	SW	4	r	29.56	+16	36	34	-10	NE	5	o, q, p	3	bc, r	49	35	*	0.05	
	Dungeness ...	29.45	46	WSW	1	0	29.54	+11	41	39	-8	NE	6	c	3	c, 0	50	38	*	0.04	
	Wick ...	29.59	31	NE	6	c	29.82	+38	35	35	-1	NE	6	bc, u	5	-	38	27	*	0.06	
	Nairn ...	29.67	31	NNE	4	0	29.86	+46	34	33	-3	NNW	3	bc	3	-	37	27	*	-	
	Aberdeen ...	29.57	30	WNW	4	S	29.81	+49	31	31	-6	N	5	c, sp	4	0, S	38	27	0.0	0.06	
	Leith ...	29.58	34	NNE	2	c	29.83	+58	30	29	-9	NNW	2	b	*	1, S, 1, c	39	28	*	0.20	
	North Shields ...	29.41	37	ESE	5	r	29.74	+61	32	32	-10	N	3	bc, S	5	1, S, 1, q, S	43	31	*	0.54	
	Spurn Head ...	29.35	40	NW	5	c	29.63	+37	36	35	-5	N	5	bc, h, sp	4	-	45	34	*	0.08	
FRANCE.	Yarmouth ...	29.39	44	WSW	3	bc	29.57	+21	38	35	-9	N	4	bc	4	bc	48	36	*	0.02	
	Loughborough ...	29.40	35	S	1	b	29.70	+41	32	30	-8	NNW	3	c	*	bc, b, 0	47	32	*	-	
	Oxford ...	29.41	39	SSE	2	b	29.68	+31	33	32	-9	N	3	b	*	b, 0, 1, S, S	47	33	*	0.37	
	London (Brixton)	29.42	41	W	2	c	29.58	+20	37	35	-8	NE	5	0	*	b, c	49	34	1.8	-	
	The Scaw (Skagen)	29.11	37	2	0	r	29.27	+04	31	30	-10	NE	4	m	1	-	43	30	*	0.12	
	Fanö ...	29.31	39	SW	5	c	29.36	+03	33	32	-8	WNW	2	c	*	-	43	33	*	-	
	Cuxhaven ...	29.43	47	SW	2	0	29.37	-07	40	39	-5	W	1	0	*	-	48	39	*	0.32	
	The Helder ...	29.38	43	SW	1	r	29.45	+08	40	37	-5	N	4	c	3	-	45	39	*	-	
	Brussels...	*	*	*	*	*	29.52	-02	38	38	-10	WSW	1	0	*	-	50	37	*	0.32	
	Berlin ...	29.56	47	SSW	1	0	29.38	-27	46	45	+6	SSW	2	c	*	-	48	39	*	0.04	
SPAN. PEN.	Frankfurt ...	29.57	45	SW	2	0	29.45	-26	50	48	+11	SW	4	r	*	-	50	42	*	0.16	
	Munich ...	29.73	40	SE	2	b	29.60	-25	41	40	+3	SE	3	r	*	-	50	34	*	0.04	
	C. Gris Nez ...	29.45	46	WSW	4	bc	29.55	+10	41	40	-6	NE	5	0	5	-	50	39	*	0.24	
	Brest ...	29.49	45	NW	4	f	29.54	+03	43	41	-5	N	6	0	5	-	52	41	*	0.08	
	Lorient ...	29.54	46	NNW	4	bc	29.52	-02	45	44	-6	NW	5	c	4	-	52	41	*	0.32	
	Rochefort ...	29.57	52	SSW	4	r	29.64	-01	46	45	-4	SW	4	c	*	r	54	46	*	0.28	
	Biarritz ...	29.69	56	W	4	r	29.78	+10	46	46	-15	WSW	5	r	3	-	64	43	*	0.43	
	Paris ...	29.32	50	SSW	3	0	29.55	-06	41	40	-7	WSW	1	0	*	-	52	40	*	0.04	
	Belfort ...	29.59	54	W	2	0	29.56	-17	46	45	+1	SW	6	r	*	-	54	45	*	0.28	
	Lyons ...	29.59	58	?	3	0	29.60	-17	54	49	-2	SW	2	0	*	-	59	53	*	-	
Nice ...	29.88	51	2	0	r	29.78	-21	49	49	-1	Z	0	f	2	-	54	46	*	0.39		
Perpignan ...	29.67	53	2	0	0	29.66	-10	50	47	+2	W	2	0	*	-	59	40	*	-		
SPAN. PEN.	Corunna ...	29.73	53	NNW	5	0	29.85	+20	49	46	-4	NNW	3	0	6	-	55	41	*	0.08	
	Lisbon ...	29.76	56	WSW	3	0	29.95	+33	49	45	-5	SW	3	bc	*	-	61	48	*	-	
	Azores (P. Delgada)	30.11	52	N	2	b	30.04	00	60	59	+6	SW	5	m	4	-	60	52	*	0.04	
	" (Horta)	30.07	58	SSW	4	r	29.97	-11	61	61	+11	SW	2	f	2	-	59	50	*	1.06	

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 11th January, 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

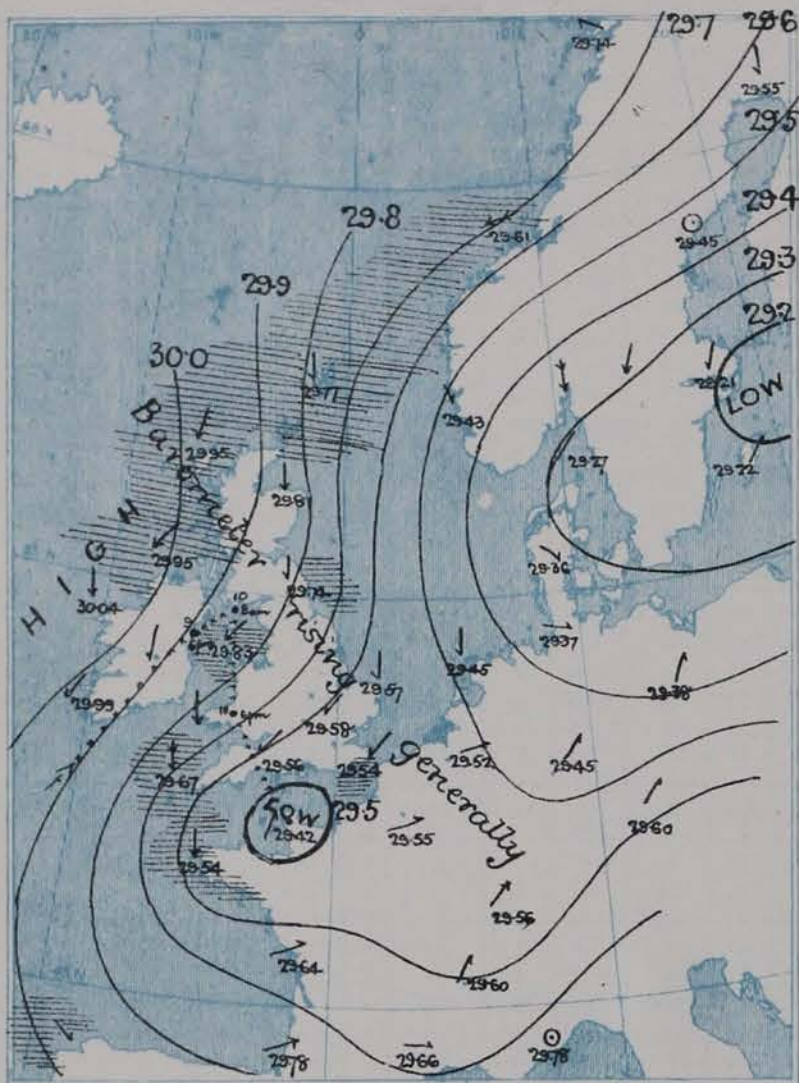
Calm

Force 8 to 10

Force 1 to 4

SEA.—Rough

High

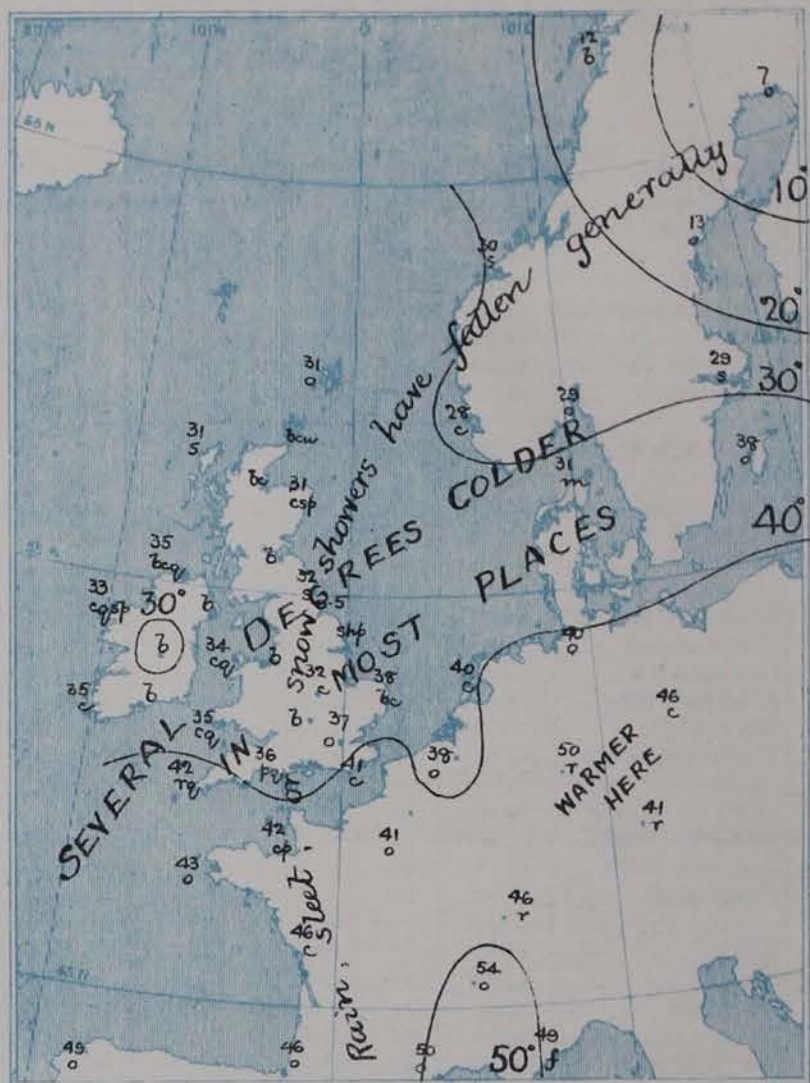


II. TEMPERATURE AND WEATHER. This Morning.

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 JANUARY.

Specimen (for Stornoway) { Average N° of Hours daily } 0.9
Total Possible 7.1



V. Means of DAILY TEMPERATURE

at 8 A.M. for the monthly period

JANUARY (1871-1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The cyclonic disturbance noticed off our south-west coast yesterday morning has travelled north-eastwards. Its centre is now found over the Isle of Man, but the system is apparently filling up, the minimum pressures this morning, 29.1 ins. and less, being somewhat higher than those observed in the north-east of Ireland during the night. A small secondary disturbance is lying off the south of Norway, and the barometer is falling in most parts of Scandinavia, Denmark and Germany; in our Islands and France a general rise is in progress. The highest pressures, 29.8 ins. and upwards, are still found over South Germany and the south-east of France.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind is moderate to fresh from the S.W. over England and the Netherlands, and light from the same quarter or from S. in France and Germany. In Scotland it is strong to a gale from the N.E., while in the north and west of Ireland it is equally strong from the N. N. breezes are reported also in the south of Norway, but calms over the Gulf of Bothnia.

Temperature has fallen over the southern parts of the United Kingdom, as well as at most of the Scandinavian stations, but has risen elsewhere. In Ireland and Scotland the readings now differ but little from the average, but over England they are still high, especially at the Channel stations, where they vary between 48 and 49°. In the west and south of France the thermometer is above 50° and at Biarritz it stands at 61°. Frost prevails in Scandinavia, the lowest readings reported being 5° at Herne and 12° at Haparanda.

The weather is fine over the greater part of England, but is cloudy and unsettled in all other parts of our area; rain or sleet is falling at several of our northern stations, and passing showers in the west. Rain is also falling in some parts of France, Belgium and Germany, and snow in the south of Scandinavia. The sea is high at Aberdeen and Malin Head, and rough on our western and northern coast generally.

During yesterday the thermometer rose to 50° and upwards at most of our own central and southern stations and to 54° at Scilly and Jersey. Heavy falls of rain and sleet have occurred over the northern parts of the United Kingdom, the amounts measured this morning being as large as 2.0 in. at Malin Head, 1.4 in. at Leith and 1.3 in. at Aberdeen.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The cyclonic disturbance over our Islands is likely to move slowly eastwards or south-eastwards, and at the same time it will probably disperse gradually. The gales now reported in Ireland and Scotland are likely to moderate in the course of the day, but the weather over the United Kingdom generally will probably remain in a changeable, showery state.

FORECASTS *

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

DISTRICTS.

FORECASTS.

0 { SCOTLAND
NORTH

1 { SCOTLAND
EAST

2 { ENGLAND
N.E.

3 { ENGLAND
EAST

4 { MIDLAND
COUNTIES

5 { ENGLAND
SOUTH

N.E. winds, strong to a gale at first, but moderating later; changeable, some snow or sleet showers.

Wind shifting to the N. and freshening; changeable, some showers. Colder.

S.W. to W. or N.W. winds, moderate; changeable, some showers. Colder.

DISTRICTS.

FORECASTS.

6 { SCOTLAND
WEST

7 { ENGLAND
N.W.

8 { ENGLAND
S.W.

9 { IRELAND
NORTH

10 { IRELAND
SOUTH

WARNINGS

Same as Nos. 0 and 1.

W. to N.W. winds, strong; squally, some cold showers.

N. winds, strong to a gale at first, but moderating later; squally, with hail or sleet showers.

At 3.25 p.m. yesterday to 0 and 1, and at 7 p.m. to district 6, Hoist North Cone. The signals are still flying also in districts 7 to 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 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	*	*	*	*	*	*	*	*	*	bc	*	bc.c	47	44	1.5	-
Newton Reigny (Penrith) ...	29.04	41	SE 3	r	29.13	-15	39	38	+4	S 1	og	o+gm	46	35	0.0	0.47
Bath	29.27	52	S 6	o	29.37	0.00	41	39	-5	S 2	o	-	53	41	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	32	ot, o, ot	0.0	0.39	Eastbourne, ...	*	*	*	0.0	*
Rhyl,	*	*	*	0.0	*	Hastings	*	*	*	0.0	*
Llandudno	*	*	*	0.0	*	Lowestoft, to 6 p.m. ...	47	40	c, d	0.0	0.02
Aberystwyth, to 6 p.m. ...	52	48	c, o	1.0	0.04	Harrogate, to 6 p.m. ...	42	31	b, f, o	0.0	0.37
Plymouth, to 9 p.m. ...	52	48	o, p, q	0.0	0.15	Manchester, to 9 p.m. ...	50	34	o, t, ot, q	0.0	0.11
Worthing	*	*	*	0.0	*	Darwen, to 9 p.m. ...	47	31	ot, s, t	0.0	0.50
Brighton	*	*	*	0.0	*	Birmingham, to 9 p.m. ...	50	37	o, p, c	0.0	0.02

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.		
9.1.03									
Madeira (Funchal) ...	64	50	o c	Ins. 1.34	Algiers	68	48	o x	Ins.
Madrid	54	36	b o	—	Tunis	64	48	o 2	—
Corsica (I. Sanguinaires) ...	59	46	f 2	—	Vienna	36	30	m 2m	—
Rome	56	40	f o	—	St. Petersburg	?	?	o r	0.12
Florence	55	42	o c	—					Measured 7 a.m.
Trieste	? 46	45	c b	—	8.1.03				
Naples	58	50	c b	—	Lugano	41	—	o	—
Palermo	66	41	b m	—	Davos	30	—	b	—
Malta	64	55	? f	—	Lucerne	45	—	b	—
					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.

10.....1....., 1903	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
	h. m.	h. m.	h. m.
Yarmouth	8. 3	12. 1	3. 59
Greenwich	8. 5	12. 8	4. 11
Wick	8. 58	12. 20	3. 42
Valencia	8. 48	12. 49	4. 50

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, 12th January, 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 Inch.	
	Inch.	°					Inch.	Inch.	°	°											
SCANDINAVIA.	Haparanda ...	29.76	-10	N	2	3	29.82	+ .27	-21	-22	-28	NW	2	3			7	9			
	Hernösand ...	29.79	8	Z	0	3	30.06	+ .61	-7	-9	-20	Z	0	3			19	9			
	Stockholm ...	29.51	22	N	6	5	29.95	+ .74	14	13	-15	NW	2	3			34	14			0.12
	Wisby ...	29.39	28	NNW	9	0	29.81	+ .59	24	22	-14	W	6	0			38	24			0.04
	Karlstad ...	29.73	15	NW	4	0	30.13	+ .81	3	2	-21	NW	4	3							
	Färder (X'ania Fjord) ...	29.75	25	NNW	6	3	30.14	+ .80	19	17	-10	NNE	6	3			29	18			
	Bodö ...	29.85	16	E	2	3	29.94	+ .20	14	11	+2	E	2	3			32	10			
	Christiansund ...	29.91	25	W	3	3	30.10	+ .49	27	25	-3	W	4	3			30	23			0.20
BRITISH ISLANDS.	Skudesnaes ...	29.89	27	N	5	3	30.17	+ .74	25	23	-3	Z	0	3			30	23			
	Sumburgh Head ...	29.98	30	N	3	3	30.19	+ .42	33	31	+2	N	1	0	3	3	33	28			
	Stornoway ...	30.05	33	N	4	0	30.28	+ .33	33	32	+2	N	4	0	4	5.0	35	30	2.5		0.28
	Malin Head ...	30.13	37	NE	5	3	30.29	+ .34	35	33	0	SW	2	0	2	3.0	38	33			
	Blacksod Pt. ...	30.16	36	NNW	2	3	30.31	+ .27	34	32	+1	E	2	3	2	3.0	39	29			
	Valencia ...	30.15	33	ENE	2	3	30.24	+ .25	33	30	-2	E	3	3	4	3.0	37	28	6.2		
	Röche's Point ...	30.10	34	N	3	3	30.23	+ .31	32	31	+1	N	2	3	1	3.0	35	28			
	Parsonstown ...	30.13	30	NW	1	3	30.30	+ .34	20	20	-8	NE	1	3	3	3.0	34	20	5.4		
GERMANY, &c.	Donaghadee ...	30.09	39	NE	5	3	30.27	+ .38	37	33	+2	NE	3	3	3	3.0	39	34			
	Liverpool Obsy. ...	30.01	34	NNE	3	3	30.27	+ .45	29	28	-1	NNE	1	3	2	3.0	34	29			
	Holyhead ...	30.02	38	NE	4	3	30.24	+ .41	35	34	+1	ENE	2	3	1	0.30	39	32			
	Pembroke (St. Ann's) ...	29.98	34	NE	4	3	30.22	+ .43	33	32	-2	NE	4	3	2	3.0	37	32	4.9		
	Scilly (St. Mary's) ...	29.90	40	N	5	3	30.13	+ .46	40	36	-2	NNE	5	3	3	0.30	42	35	0.8		0.03
	Jersey (St. Aubins) ...	29.80	40	N	7	3	30.12	+ .70	38	35	-4	NNE	4	3	3	0.30	44	38	0.5		0.08
	Portland Bill ...	29.87	34	N	4	3	30.14	+ .58	31	29	-5	NNE	2	3	2	0.30	36	30			0.02
	Dungeness ...	29.76	39	NNE	5	3	30.05	+ .51	33	32	-8	NNE	4	3	3	0.30	41	29			
FRANCE.	Wick ...	30.05	31	N	3	3	30.27	+ .45	32	32	-3	N	2	3	3	3.0	36	25			0.02
	Nairn ...	30.11	30	WNW	1	3	30.29	+ .43	31	30	-3	Z	0	3	1	3.0	35	29			
	Aberdeen ...	30.05	32	NW	4	3	30.28	+ .47	32	29	+1	WNW	3	3	4	3.0	35	28	2.5		0.01
	Leith ...	30.02	32	NNW	2	3	30.28	+ .45	29	28	-1	WNW	1	3	3	3.0	39	26			
	North Shields ...	29.93	36	NNW	4	3	30.25	+ .51	32	31	0	NW	3	3	4	3.0	37	29			0.16
	Spurn Head ...	29.84	36	NW	5	3	30.14	+ .51	36	33	0	NE	5	3	4	3.0	40	33			0.14
	Yarmouth ...	29.76	37	N	5	3	30.08	+ .51	35	33	-3	NE	5	3	5	3.0	40	33			0.02
	Loughborough ...	29.93	32	NNW	2	3	30.19	+ .49	29	29	-3	NW	2	3	3	3.0	35	29			
GERMANY, &c.	Oxford ...	29.98	32	N	3	3	30.19	+ .51	29	28	-4	N	2	3	3	3.0	35	29			
	London (Brixton) ...	29.85	35	NNE	5	3	30.12	+ .54	32	31	-5	N	2	3	3	3.0	37	31	0.0		
	The Scaw (Skagen) ...	29.76	24	NE	5	3	30.07	+ .80	19	19	-12	NE	4	3	1	3.0	32	19			
	Fanö ...	29.76	28	N	4	3	30.07	+ .71	23	21	-10	N	6	3	3	3.0	36	23			0.04
	Cuxhaven ...	29.52	36	NW	1	3	29.96	+ .59	26	25	-14	NNE	5	3	3	3.0	43	27			
	The Helder ...	29.65	37	NNE	6	3	30.02	+ .57	31	29	-9	NE	4	3	5	3.0	41	30			0.12
	Brussels ...						29.98	+ .46	28	27	-10	NNE	3	3	3	3.0	41	27			0.04
	Berlin ...	29.51	40	W	2	3	29.78	+ .40	30	28	-16	NW	2	3	3	3.0	54	30			0.08
FRANCE.	Frankfurt ...	29.67	39	N	4	3	29.78	+ .33	33	31	-17	N	2	3	3	3.0	50	32			0.12
	Munich ...	29.62	39	W	6	3	29.68	+ .08	33	33	-8	Z	0	3	3	3.0	50	32			
	C. Gris Nez ...	29.76	40	NE	5	3	29.98	+ .43	32	32	-9	NE	5	3	5	3.0	43	32			0.08
	Brest ...	29.82	40	NE	3	3	30.10	+ .56	?	?	?	NNE	3	3	4	3.0	?	37			0.20
	Lorient ...	29.80	41	N	6	3	30.07	+ .55	37	37	-8	NNE	3	3	2	3.0	48	36			
	Rochefort ...	29.70	47	NNW	5	3	29.93	+ .29	39	37	-7	N	5	3	3	3.0	50	37			
	Biarritz ...	29.84	47	WSW	7	3	29.92	+ .14	47	45	+1	W	5	3	5	3.0	47	36			0.26
	Paris ...	29.67	39	ENE	1	3	29.91	+ .36	32	31	-9	NNE	3	3	3	3.0	46	32			0.35
SPAN. PEN.	Belfort ...	29.71	53	W	2	3	29.73	+ .17	30	29	-16	ENE	5	3	3	3.0	54	29			0.43
	Lyons ...	29.79	36	SSW	1	3	29.73	+ .13	36	36	-18	N	1	3	3	3.0	54	35			0.58
	Nice ...	29.57	50	E	1	3	29.41	- .37	44	44	-5	Z	0	3	3	3.0	52	44			0.35
	Perpignan ...	29.76	44	NW	3	3	29.78	+ .12	44	40	-6	NW	4	3	3	3.0	51	43			0.04
SPAN. PEN.	Corunna ...																				
	Lisbon ...	30.08	48	NW	2	3	30.10	+ .15	48	43	-1	NW	1	3	3	3.0	54	45			
	Azores (P. Delgada) ...	29.89	59	W	3	3	29.82	- .22	56	53	-4	NW	4	3	4	3.0	63	55			0.08
	" (Horta) ...	29.88	61	SW	5	3	29.88	- .09	53	48	-8	WNW	3	3	2	3.0	63	52			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 Monday, 12th January, 1903.

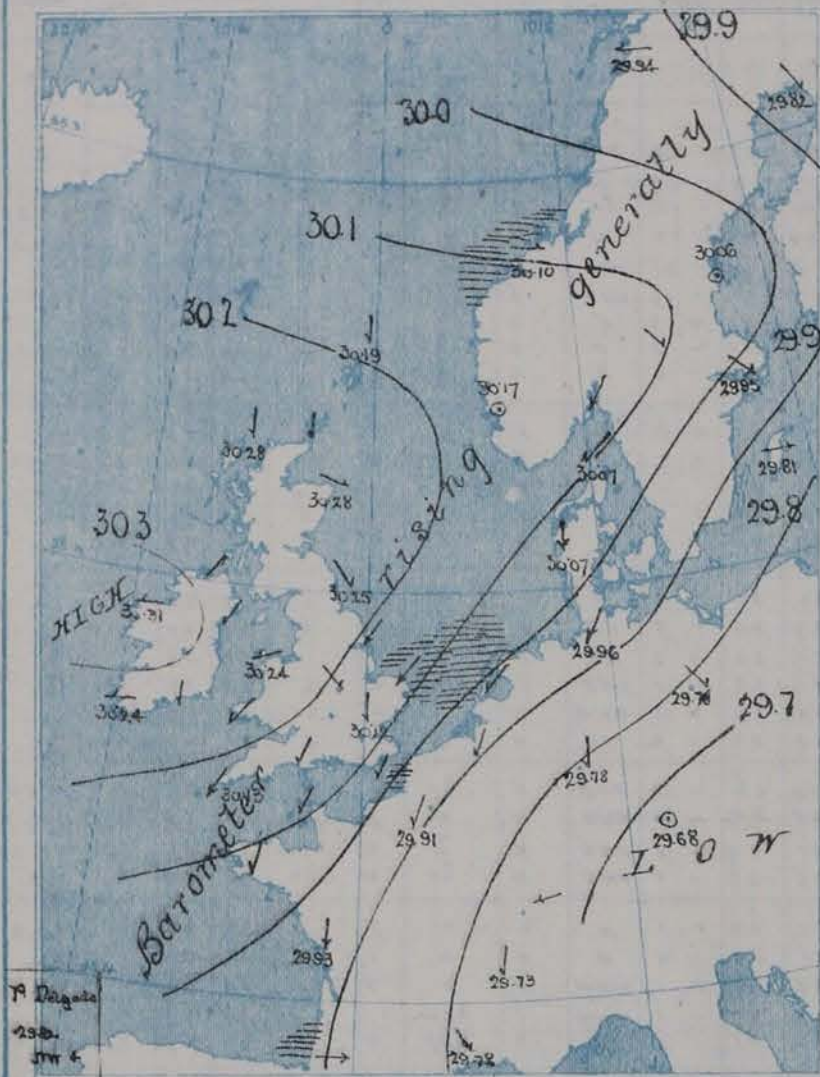
I. BAROMETER, WIND AND SEA. This Morning.

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: .06



III. BAROMETER AND WIND

Yesterday morning.



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

Specimen (Average N° of Hours daily) 0.9
(for Stornoway) Total Possible 7.1



V. Means of DAILY TEMPERATURE

at 8 A.M. for the monthly period

JANUARY (1871-1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The cyclonic disturbance whose centre had reached the Isle of Man from the southwestward by 8 a.m. yesterday, has since moved southwards, and become much less deep. Its centre is now shown near Jersey. Pressure now varies from 30.04 ins. at Blackhead Point, and 29.95 ins. at Lisbon, to 29.42 ins. at Jersey, and to less than 29.3 ins. in a shallow depression which is moving eastwards over the Baltic. The mercury is rising in almost all parts of western and northwestern Europe.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind has become Northerly or Northeasterly over the whole of our Islands and Scandinavia, but draws into Southwest over France and Germany. It still blows freshly or strongly in most northern and western localities, and at Christiansund and Scilly gales are reported. Temperature has fallen very generally, and has become lower than the normal over the United Kingdom. It ranges from 42° at Scilly and Jersey, to 32° at Loughborough, 31° at Aberdeen, Sumburgh Head, and Stornoway, and to 28° at Parsonstown. The continental values range from 54° at Lyons, to 41° at Munich and Paris, to 13° at Helsingfors, and to 7° at Haparanda. The weather has improved in most parts of our Islands, but snow is falling occasionally at some of our northwestern, northern, and eastern stations. Over the continent the sky is more cloudy, rain is falling over the southwest of Germany and the east of France, and snow at Karlstad and Christiansund. The sea is rough or rather so on many parts of our coast.

The maximum temperatures recorded over our Islands yesterday, were below 50° very generally, and below 40° at some northern stations and at Parsonstown, and sharp frost occurred at night in most northern and western districts. Further falls of rain have been experienced in the southern parts of our area, and of rain or snow in the north; at Shields there has been as much as 0.54 in. Very little bright sunshine was registered yesterday over the Kingdom as a whole, but Jersey had as much as 4.8 hours.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS*

For the 24 hours ending at NOON on - 12 January. 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

- NONE ISSUED -

WARNINGS

The North Cone is still flying in districts 0, 1, and 6.

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

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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	*	b.c	49	36	3.4	-
Newton Reigny (Penrith)												*					
Bath	29.38	38	NE 1	0	29.68	+31	34	32	-7	NE 5	0	*	-	47	32	6.0	-

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	34	o.c., o.t., o.g.s	1.4	0.31	Eastbourne, Not received..	*	*	*	*	*
Rhyl,	*	*	*	1.2	*	Hastings	*	*	*	0.0	*
Llandudno	*	*	*	1.0	*	Lowestoft, to 6 p.m. Not recd.					
Aberystwyth, to 6 p.m. ...	54	46	c.o	1.2	0.07	Harrogate, to 6 p.m. ...	48	35	o.c., o.c.t	?	0.16
Plymouth, to 9 p.m....	50	39	b.c.p	4.3	0.03	Manchester, to 9 p.m. ...	50	36	r.u., c.b.g	1.0	0.35
Worthing	*	*	*	0.3	*	Darwen, to 9 p.m. ...	46	30	c.o.m. s.t	1.1	0.42
Brighton ... Not received...	*	*	*	*	*	Birmingham, to 9 p.m. ...	49	38	b.c	3.9	-

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

STATIONS. 10-1-03	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal) } <i>not recd.</i>				Ins.	Algiers	70	63	o o	Ins.
Madrid					Tunis	64	54	o o	
Corsica (I. Sanguinaires) ...	59	48	f f	0.04	Vienna	36	32	m m	
Rome	59	52	o o		St. Petersburg... ..	36	21	s s	
Florence	53	46	o o			1 p.m.		1 p.m.	Measured 7 a.m.
Trieste	48	46	o m		Lugano	39		r	0.04
Naples	57	50	c o		Davos	41		o	
Palermo	68	53	o o		Lucerne	46		b	
Malta	64	58	? 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.

Stations, 1903	Sunrise G.M.T.		Noon G.M.T.		Sunset G.M.T.	
	h.	m.	h.	m.	h.	m.
Yarmouth	8.	2	12.	1	4.	0
Greenwich	8.	4	12.	8	4.	12
Wick	8.	57	12.	20	3.	43
Valencia	8.	47	12.	49	4.	51

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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.

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

DAILY WEATHER REPORT

for 8 a.m. on Tuesday, 13th January, 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.	Ins.	Dry Bulb.	°			Dirac.	Force (0 to 12.)	At 32° Fabr. and M. S. L.	Change since Yester- day.	Ins.	Dry Bulb.	°			Wet Bulb.	°			Change since Yester- day.	Dirac.	Force (0 to 12.)	Weather.	Max.	Min.
SCANDINAVIA.	Haparanda ...	29.85	0	WSW	2	3	29.65	-17	16	15	+37	SW	2	3	*	-	?	22	*	-						
	Hernösand ...	30.18	-4	Z	0	3	30.12	+06	27	26	+34	Z	0	3	*	-	27	9	*	-						
	Stockholm ...	30.34	1	W	2	3	30.32	+37	5	4	-9	WSW	2	3	*	-	23	1	*	-						
	Wisby ...	30.26	25	NNE	6	3	30.42	+61	24	23	0	W	2	3	*	-	30	18	*	-						
	Karlstad...	30.43	-4	Z	0	3	30.47	+34	-11	-11	-14	Z	0	3	*	-	1	1	*	-						
	Färder (X'ania Fjord)	30.39	20	W	1	3	30.44	+30	18	18	-1	NW	1	3	*	-	20	16	*	-						
	Bodö ...	29.73	32	W	7	3	29.79	-15	40	38	+26	W	6	3	*	-	40	14	*	-						
	Christiansund ...	30.18	33	SW	3	3	30.33	+23	37	34	+10	W	8	3	*	-	38	26	*	0.12						
	Skudesnaes ...	30.39	32	S	4	3	30.48	+31	31	31	+6	E	1	3	*	-	32	27	*	-						
	Sumburgh Head	30.31	37	WNW	1	0	30.39	+20	36	36	+3	W	1	3	*	-	37	31	*	-						
BRITISH ISLANDS.	Stornoway ...	30.37	34	Z	0	3	30.42	+14	31	29	-2	W	2	3	*	-	36	29	0.0	0.03						
	Malin Head ...	30.36	34	S	3	3	30.41	+12	33	31	-2	SE	4	3	*	-	36	30	*	-						
	Blacksod Pt. ...	30.32	35	SE	4	3	30.34	+03	35	32	+1	SE	4	3	*	-	37	32	*	-						
	Valencia...	30.26	38	E	4	3	30.26	+02	37	33	+4	ESE	4	3	*	-	41	32	5.8	-						
	Roche's Point ...	30.30	37	E	3	0	30.34	+11	41	35	+9	SSE	6	3	*	-	42	31	*	0.03						
	Parsonstown ...	30.35	29	E	1	3	30.39	+09	28	27	+8	E	1	3	*	-	34	20	3.5	-						
	Donaghadee ...	30.35	37	E	2	3	30.44	+17	37	36	0	ESE	3	3	*	-	37	27	*	-						
	Liverpool Obsy.	30.37	32	Z	0	3	30.48	+21	31	30	+2	E	2	3	*	-	34	29	*	-						
	Holyhead ...	30.38	34	E	1	3	30.45	+21	35	33	0	E	1	3	*	-	40	29	*	-						
	Pembroke (St. Ann's)	30.31	34	NNE	4	3	30.38	+16	32	28	-1	NE	4	3	*	-	38	28	6.5	-						
GERMANY, &c.	Scilly (St. Mary's)...	30.23	40	ENE	5	3	30.26	+13	37	32	-3	E	5	3	*	-	42	32	7.0	-						
	Jersey (St. Aubins)...	30.20	39	NNE	4	3	30.33	+21	30	29	-8	ESE	3	3	*	-	42	29	6.1	0.10						
	Portland Bill ...	30.26	33	NE	3	3	30.35	+21	30	28	-1	NE	3	3	*	-	37	28	*	-						
	Dungeness ...	30.20	32	ENE	6	3	30.34	+29	32	31	-1	E	6	3	*	-	38	29	*	0.07						
	Wick ...	30.36	32	N	2	3	30.44	+17	22	22	-10	N	2	3	*	-	34	20	*	-						
	Nairn ...	30.39	32	Z	0	3	30.47	+18	18	17	-13	Z	0	3	*	-	33	16	*	-						
	Aberdeen ...	30.39	31	WNW	2	3	30.52	+24	23	22	-9	WNW	2	3	*	-	33	22	0.0	-						
	Leith ...	30.38	29	W	1	3	30.49	+21	22	21	-7	W	1	3	*	-	34	20	*	-						
	North Shields ...	30.35	33	NW	2	3	30.50	+25	33	32	+1	SW	1	3	*	-	35	29	*	0.10						
	Spurn Head ...	30.31	36	NE	3	3	30.40	+26	34	33	-2	NE	5	3	*	-	39	32	*	0.04						
FRANCE.	Yarmouth ...	30.20	36	ENE	5	3	30.41	+33	32	32	-3	E	5	3	*	-	37	31	*	0.02						
	Loughborough ...	30.34	29	ENE	1	3	30.46	+27	26	26	-3	ENE	2	3	*	-	36	25	*	-						
	Oxford ...	30.37	29	N	2	3	30.45	+26	24	23	-5	NE	2	3	*	-	38	24	*	-						
	London (Brixton)	30.26	34	NNE	4	3	30.40	+28	28	28	-4	NE	2	3	*	-	37	27	0.5	-						
	The Scaw (Skagen)	30.41	22	Z	0	3	30.46	+39	24	24	+5	SW	4	3	*	-	25	18	*	-						
	Fanö ...	30.41	19	N	2	3	30.54	+47	18	16	-5	N	1	3	*	-	25	16	*	-						
	Cuxhaven ...	30.23	26	NE	6	3	30.47	+51	24	23	-2	NE	5	3	*	-	27	23	*	-						
	The Helder ...	30.22	30	NE	7	3	30.42	+40	26	24	-5	E	5	3	*	-	32	25	*	0.04						
	Brussels...	*	*	*	*	*	30.35	+37	21	21	-7	NE	3	3	*	-	29	21	*	-						
	Berlin ...	30.10	27	NE	4	3	30.35	+57	23	21	-7	N	3	3	*	-	39	21	*	0.04						
SPAN. PEN.	Frankfurt ...	30.07	26	N	4	3	30.21	+43	27	24	-6	NE	4	3	*	-	32	25	*	-						
	Munich ...	29.81	26	NE	4	3	29.95	+27	23	23	-10	NE	6	3	*	-	34	23	*	-						
	C. Gris Nez ...	30.20	28	ENE	4	0	30.30	+32	23	23	-9	ENE	4	3	*	-	39	23	*	0.04						
	Brest ...	30.20	32	NNE	2	3	30.28	+18	33	31	-	NE	2	3	*	-	43	32	*	0.04						
	Lorient ...	30.18	39	NNE	4	3	30.22	+15	34	33	-3	E	3	3	*	-	43	32	*	-						
	Rochefort ...	30.05	38	NNE	4	3	30.17	+24	27	25	-12	NE	4	3	*	-	48	25	*	-						
	Biarritz ...	30.09	41	ENE	1	0	30.16	+24	33	32	-14	E	2	3	*	-	47	32	*	-						
	Paris ...	30.11	29	NNE	6	3	30.21	+30	23	21	-9	NNE	5	3	*	-	35	23	*	-						
	Belfort ...	29.86	28	NE	3	3	29.93	+20	24	23	-6	ENE	6	3	*	-	36	22	*	0.12						
	Lyons ...	29.94	31	NNW	2	3	29.96	+23	23	23	-13	NW	3	3	*	-	40	23	*	0.08						
SPAN. PEN.	Nice ...	29.56	43	W	5	3	29.66	+25	31	27	-13	Z	0	3	*	-	48	30	*	-						
	Perpignan ...	29.92	41	NW	5	3	30.00	+22	33	28	-11	NW	4	3	*	-	50	32	*	-						
SPAN. PEN.	Corunna ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Lisbon ...	30.03	48	NNW	3	3	29.99	-11	41	37	-7	NE	4	3	*	-	54	41	*	-						
SPAN. PEN.	Azores (P. Delgada)	29.96	50	NW	4	3	30.01	+13	49	46	-4	NW	1	3	*	-	61	46	*	0.20						
	(Horta)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

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, 13th January, 1903.

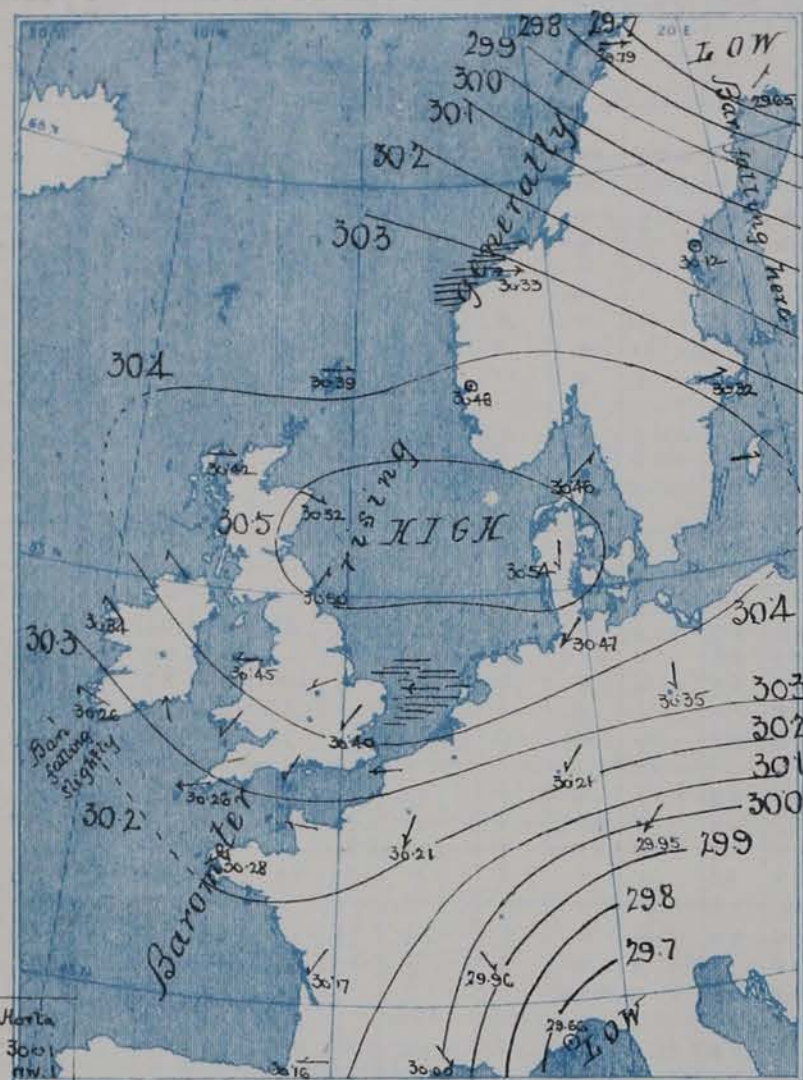
I. BAROMETER, WIND AND SEA. This Morning.

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

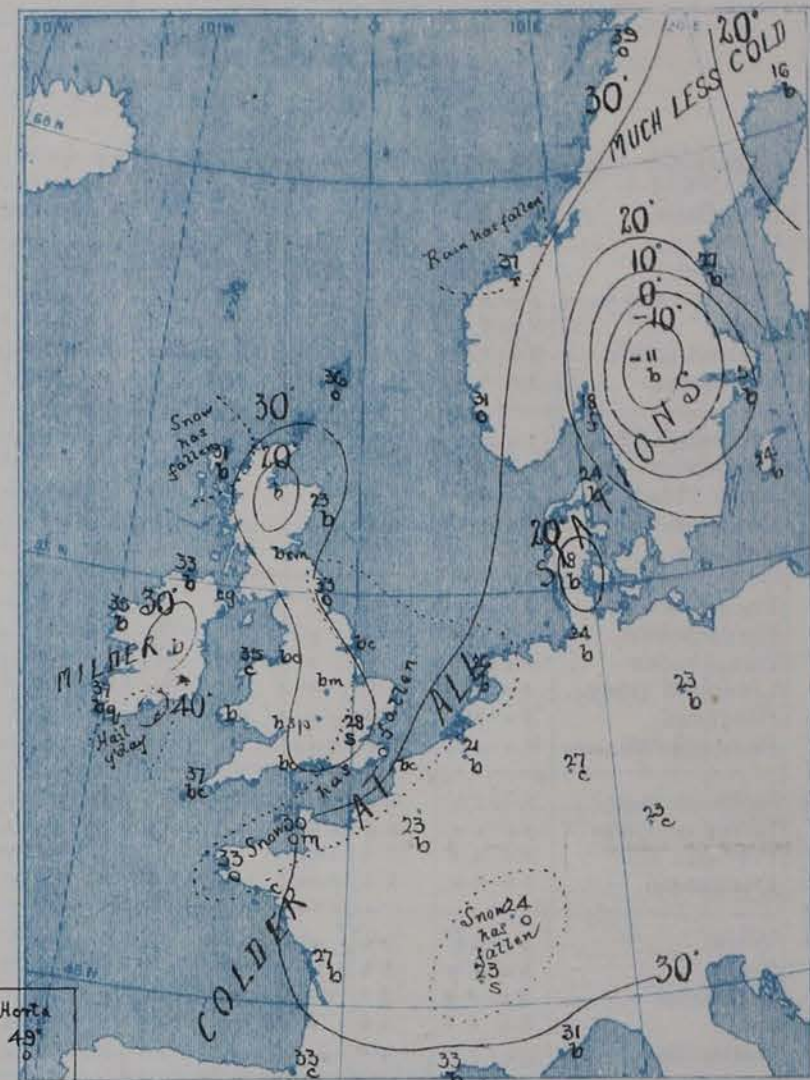


II. TEMPERATURE AND WEATHER. This Morning.

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 JANUARY.

Specimen { Average N° of Hours daily } 0.9
(for Storno way) { Total Possible } 7.1



V. Means of DAILY TEMPERATURE

at 8 A.M. for the monthly period

JANUARY (1871-1900.)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The barometric pressure this morning is highest in the northwest of the British Islands, and lowest in south Germany and the southeast of France, the readings ranging from 30.31 ins. at Blackhead Point, to 29.73 ins. in the southeast of France, and 29.68 ins. at Munich. It has risen generally since yesterday, and is still rising this morning.

WIND

TEMPERATURE

WEATHER

AND

SEA

There is a moderate to fresh breeze from Northwest in the south of Scandinavia, from North on the eastern shores of the North Sea, and from Northeast over the British Channel and the greater part of England. Over our northwestern and northern districts the wind is very variable, and at Christiansund there is a definite breeze from West. Temperature ranges from 57° at Sangunaires, and 47° at Biarritz, to 29° over central England, and - 21° at Haparanda. In the British Isles it ranges from 40° at Scilly, and 32° at Aberdeen, to 29° at Loughborough, and 20° at Parsonstown, and is several degrees below the average, especially over central Ireland. At Paris it is 32°, at Berlin 30°, at Stockholm 14°. Weather is fair - at many stations cloudless - but slight snow prevails at some eastern stations. Sea is smooth except in the east and south.

During last night the minima were low generally. A little rain or snow fell in the east and south, much in the south of France. Bright sunshine was considerable in the northwest.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone seems to be moving southeastwards. Cold weather is still probable over England, and fog in many places tonight or tomorrow; a rise of temperature in the northwest and west is expected by tomorrow.

FORECASTS *

For the 24 hours ending at NOON on 13 January, 1903

DISTRICTS.

FORECASTS.

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

Varying light winds and calms; fair as a whole at first, hazy or foggy.

N^{ly} winds, moderate to light; fine, cold, hazy or foggy.

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.


Same as Nos. 2 to 5.


Same as Nos. 0 and 1.

NE^{ly} and variable airs; fine, cold.

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. Ins. Change.	Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature Max. Min.	Sun- shine Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	2	*	bc, sp	38 30	1.8	-
Newton Reigny (Penrith) ...	30.00	30	N 2	c	30.22	26	26		WSW 1	3	*	bc	32 23	3.3	-
Bath	29.91	33	NE 5	o	30.20 + .52	30	30	- 4	NE 3	0	*	-	35 29	2.0	-

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.	0	0		5.8		Eastbourne, to	*	*	*	0.0	*
Rhyl,	*	*	*	4.3	*	Hastings	*	*	*	0.0	*
Llandudno	*	*	*	3.8	*	Lowestoft, to 6 p.m. ...					
Aberystwyth, to 6 p.m. ...						Harrogate, to 6 p.m. ...	36	28	bc, b	4.9	0.08
Plymouth, to 9 p.m.						Manchester, to 9 p.m. ...	39	30	bc, bc	0.0	-
Worthing	*	*	*	0.0	*	Darwen, to 9 p.m.	35	25	cv	2.3	-
Brighton	*	*	*	0.0	*	Birmingham, to 9 p.m. ...	40	28	c, b	1.5	-

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.		
11.1.03									
Madeira (Funchal)				Ins.	Algiers				Ins.
Madrid					Tunis				
Corsica (I. Sanguinaires) ...					Vienna				
Rome					St. Petersburg				
Florence									
Trieste					10.1.03				
Naples					Lugano	39	—	1 p.m.	Measured 7 a.m.
Palermo					Davos	43	—	0	0.49
Malta					Lucerne	45	—	0	—
					Lausanne	46	—	0	—

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.

12.1.1903	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	h. m. 8. 2	h. m. 12. 1	h. m. 4. 1
Greenwich	8. 3	12. 8	4. 13
Wick	8. 56	12. 20	3. 44
Valencia	8. 47	12. 49	4. 52

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DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 14th January, 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.	Ins.	Dry Bulb.	Dirac.		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	29.89	30	NW	2	6	30.36	+7.1	2	1	-14	?	2	6	*	-	37	0	*	-	
	Hernösand	30.20	37	NW	4	6	30.41	+2.9	39	35	+12	WNW	4	6	*	-	39	-11	*	-	
	Stockholm	30.39	16	W	3	0	30.49	+1.7	20	20	+15	W	2	6	*	-	20	0	*	-	
	Wisby	30.45	29	W	2	6	30.52	+1.0	32	30	+8	N	2	0	*	-	32	21	*	-	
	Karlstad	30.54	-2	NW	2	6	30.64	+1.7	2	2	+13	N	2	6	*	-	*	*	*	-	
	Færder (X'iania Fjord)	30.56	20	N	2	m	30.66	+2.2	19	19	+1	N	1	f	0	-	20	14	*	-	
	Bodö	30.05	40	WSW	2	0	30.25	+4.6	41	39	+1	WSW	4	0	2	-	41	37	*	-	
	Christiansund	30.47	37	WSW	3	0	30.58	+2.5	38	35	+1	W	5	0	4	-	38	36	*	0.04	
	Skudesnaes	30.60	31	Z	0	0	30.65	+1.7	31	30	0	Z	0	0	2	6,0	32	30	*	-	
	BRITISH ISLANDS.	Sumburgh Head	30.50	37	WSW	1	0	30.51	+1.2	39	35	+3	SW	4	6	4	0,0	39	34	*	-
Stornoway		30.44	38	SSW	4	0	30.41	-0.1	38	34	+7	SSE	7	0	7	0	39	27	0.0	-	
Malin Head		30.46	34	SSE	5	6m	30.47	+0.6	30	29	-3	SE	5	6m	2	6m	36	29	*	-	
Blacksod Pt.		30.39	37	SE	5	6m	30.29	-0.5	34	32	-1	SE	6	6	4	6m	38	31	*	-	
Valencia		30.34	39	ESE	4	0	30.30	+0.4	40	37	+3	SE	5	0g,0	4	0g,0	42	37	2.8	0.01	
Roche's Point		30.40	40	ESE	5	0	30.45	+1.1	38	34	-3	SE	4	0	2	6,0	42	37	*	-	
Parsonstown		30.46	32	SE	2	6	30.49	+1.0	29	28	+1	SE	2	6	*	-	36	27	4.5	-	
Donaghadee		30.50	36	SSE	8	0	30.55	+1.1	36	34	-1	3	3	0	3	-	39	34	*	-	
Liverpool Obsy.		30.58	31	ESE	2	6	30.63	+1.5	27	25	-4	ESE	2	6	?	m,0	33	27	*	-	
Holyhead		30.45	31	ESE	1	6	30.60	+1.5	27	25	-8	SE	1	6	1	6	37	25	*	-	
GERMANY, &c.	Pembroke (St. Ann's)	30.47	32	ENE	5	0	30.52	+1.4	32	30	0	E	6	6	4	6,0	35	28	3.6	-	
	Scilly (St. Mary's)	30.34	38	ENE	5	0	30.39	+1.3	38	35	+1	ENE	5	0	4	0,0	39	32	6.2	-	
	Jersey (St. Aubins)	30.40	32	ENE	3	6	30.47	+1.4	31	30	+1	ENE	4	6	3	6,0	35	28	4.0	0.03	
	Portland Bill	30.45	31	ENE	4	0	30.52	+1.7	29	27	-1	ENE	4	6	3	6,0	33	27	*	-	
	Dungeness	30.40	32	ENE	5	0	30.53	+1.9	31	30	-1	ENE	5	6	4	6,0	33	28	*	0.02	
	Wick	30.48	29	N	2	6	30.50	+0.6	35	34	+13	S	3	6	1	-	37	20	*	-	
	Nairn	30.53	23	Z	0	6	30.55	+0.8	28	27	+10	Z	0	6	1	-	31	16	*	-	
	Aberdeen	30.60	23	WNW	1	6m	30.63	+1.1	23	22	0	W	1	0	2	m,6m	28	19	1.0	-	
	Leith	30.58	22	Z	0	f	30.61	+1.2	29	29	+7	E	1	0m	*	-	29	19	*	-	
	North Shields	30.58	32	NW	1	cm	30.62	+1.2	31	31	-2	Z	0	0m	2	0,0	35	24	*	-	
FRANCE.	Spurn Head	30.54	34	ENE	4	6	30.62	+2.2	34	34	0	ESE	4	0	3	-	36	33	*	-	
	Yarmouth	30.36	33	ENE	6	0	30.61	+2.0	33	32	+1	E	6	0	5	0	34	31	*	-	
	Loughborough	30.55	28	NE	2	6	30.64	+1.8	19	19	-7	WSW	1	0m	*	cm,6	32	18	*	-	
	Oxford	30.56	25	NE	1	6	30.62	+1.7	25	24	+1	NE	1	0	*	-	33	21	*	-	
	London (Brixton)	30.48	30	ENE	3	6	30.55	+1.5	29	26	+1	ENE	2	0	*	6,0	33	28	0.0	-	
	The Scaw (Skagen)	30.61	24	WSW	1	6	30.63	+1.7	31	31	+7	Z	0	0	0	-	32	23	*	-	
	Fanö	30.66	22	Z	0	6	30.70	+1.6	28	26	+10	Z	0	0	*	-	28	18	*	-	
	Cuxhaven	30.56	27	ENE	4	6	30.67	+2.0	26	24	+2	NE	2	0	*	-	27	23	*	-	
	The Helder	30.50	28	E	4	6	30.63	+2.1	27	26	+1	E	4	0	3	-	28	25	*	-	
	Brussels	*	*	*	*	*	30.54	+1.9	17	15	-4	ENE	4	0	*	-	24	16	*	-	
SPAN. PEN.	Berlin	30.42	22	SE	2	6	30.61	+2.6	19	17	-4	NE	2	0	*	-	27	18	*	-	
	Frankfurt	30.30	23	NE	4	6	30.42	+2.1	18	17	-9	NE	4	0	*	-	27	18	*	-	
	Munich	30.04	21	NE	7	0	30.21	+2.6	16	15	-7	E	5	0	*	-	25	16	*	0.04	
	C. Gris Nez	30.37	26	ENE	5	6	?	?	21	21	-2	ENE	4	6	4	-	34	21	*	-	
	Brest	30.38	32	NE	2	6	30.41	+1.3	30	30	-3	ENE	4	6	3	-	43	30	*	-	
	Lorient	30.34	32	E	5	6	30.41	+1.9	25	25	-9	ENE	5	6	2	-	43	25	*	-	
	Rochefort	30.26	28	NE	4	0	30.34	+1.7	25	25	-2	ENE	4	6	*	0	39	23	*	-	
	Biarritz	30.27	30	ENE	3	6	30.36	+2.0	23	23	-10	Z	0	6	2	-	33	23	*	-	
	Paris	30.30	26	NE	5	6	30.41	+2.0	20	?	-3	NE	3	6	*	-	30	20	*	-	
	Belfort	30.01	24	ENE	7	0	30.26	+3.3	19	19	-5	ENE	5	0	*	-	28	19	*	-	

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 14TH JANUARY, 1903.

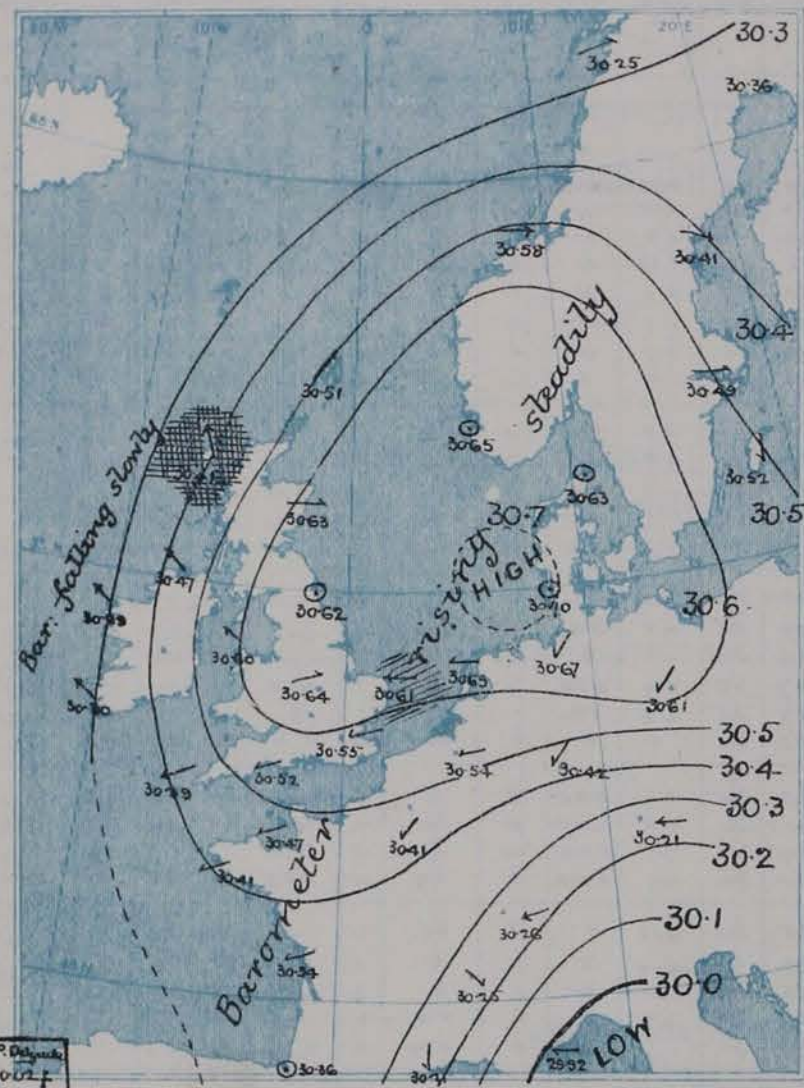
I. BAROMETER, WIND AND SEA. This Morning.

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

Specimen {Average No. of } 0.9
(for Stornoway) {Hours daily } 7.1
Total Possible



V. Means of DAILY TEMPERATURE

at 8 A.M. for the monthly period

JANUARY (1871-1900.)



GENERAL SITUATION AT 8 A.M.

PRESSURE

Barometric pressure is now highest over the North Sea, lowest over the southeast of France on the one hand, and over Lapland on the other. The readings range from 30.54 ins. at Fano, and 30.52 ins. at Aberdeen, to 29.66 ins. at Nice, and to 29.65 ins. at Haparanda. The mercury is now inclined to fall at Valencia.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind is Westerly at the most northern stations and blows hard on the northwestern coasts of Norway, though it is light in Scotland; over the more southern districts it is Northeasterly to Easterly, strong to moderate, and in Ireland Southeasterly, moderate. Temperature has risen several degrees at the Irish stations, fallen elsewhere, and ranges from 41° at Roches Point, to minus 11° at Karlstad. In our Islands the lowest readings are 24° at Oxford, 22° at Leith, and 18° at Nairn; all the values are much below the average, especially those over Great Britain. The northern coast of Norway is several degrees warmer than the south of France. Weather is very dull in the far north, fair as a whole elsewhere, and clear in very many places. Snow is falling at Munich, and a few flakes in London. Sea is rather rough at L'Anse-au-Loup and Yarmouth, moderate in the south, very smooth off our eastern coasts. During the past twentyfour hours there has been very little rain or snow anywhere, and the falls have been sporadic. The minimum temperatures have been low, (16° at Nairn). Bright sunshine has been considerable, least in London and the far north.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone is increasing in intensity, and there is no reason at present to look for any great change of weather, or wind in our Islands.

FORECASTS *

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

DISTRICTS.

FORECASTS.

0 { SCOTLAND
NORTH

1 { SCOTLAND
EAST

2 { ENGLAND
N.E.

3 { ENGLAND
EAST

4 { MIDLAND
COUNTIES

5 { ENGLAND
SOUTH

Very variable and NW^{ly} winds; cold,
fair generally.

Same as N° 5.

E^{ly} winds, moderate to fresh;
occasional snow. Cold.

E^{ly} winds, moderate to strong;
occasional snow. Cold.

DISTRICTS.

FORECASTS.

6 { SCOTLAND
WEST

7 { ENGLAND
N.W.

8 { ENGLAND
S.W.

9 { IRELAND
NORTH

10 { IRELAND
SOUTH

Same as N° 0 to 2.


SE^{ly} and E^{ly} winds, moderate; fair
as a whole. Cold.


Same as N° 5.

Same as N° 7.

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	*	*	*	*	*	*	*	*	*	*	c	*	bc, s	36	30	3.5	0.09
Newton Reigny (Penrith)	30.33	26	E 1	z	30.42	+ .20	26	26	0	WNW 1	0	*	bc, o	35	19	4.5	-
Bath	30.31	31	NE 1	0	30.41	+ .21	28	28	- 2	N 1	0	*	-	35	21	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....	36	26	z	4.8	-	Eastbourne, ...	*	*	*	4.4	*
Rhyl,	*	*	*	3.8	*	Hastings	*	*	*	4.5	*
Llandudno	*	*	*	4.9	*	Lowestoft, to 6 p.m. ...	39	31	bc, sg, c	4.1	*
Aberystwyth, to 6 p.m. ...	43	30	z	7.0	-	Harrogate, to 6 p.m. ...	35	27	bc, sg, p, dev	5.3	0.05
Plymouth, to 9 p.m....	*	*	*	*	*	Manchester, to 9 p.m. ...	36	26	m, cm	0.0	-
Worthing	*	*	*	6.2	*	Darwen, to 9 p.m. ...	32	25	com, cm	0.0	-
Brighton	*	*	*	4.4	*	Birmingham, to 9 p.m. ...	35	26	f, c, z	0.3	-

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.		
JAN. 12				Ins.					Ins.
Madeira (Funchal) Not rec ^d				-	Algiers	77	54	bc, c	0.04
Madrid	48	30	bc, o	-	Tunis	70	54	o, f	-
Corsica (I. Sanguinaires) ...	61	50	f, f	0.32	Vienna	36	30	f, r	0.08
Rome	62	56	o, r	0.04	St. Petersburg... ..	?	?	s, s	-
Florence	60	53	r, o	0.39		1 p.m.		1 p.m.	Measured 7 a.m.
Trieste	55	48	r, o	0.83	Lugano	JAN. 11 th Information not received			
Naples	62	57	o, o	-	Davos				
Palermo	75	53	o, o	-	Lucerne				
Malta... .. Not rec ^d				-	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.

13 JAN. 1903	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	8.1	12.2	4.3
Greenwich	8.3	12.9	4.15
Wick	8.55	12.21	3.46
Valencia	8.46	12.50	4.54

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, 15th January, 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.	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.	°
SCANDINAVIA.	Haparanda ...	30.36	14	Z	0	0	30.37	+0.01	24	24	+22	W	2	0	*	—	30	0	*	—	
	Hernösand ...	30.63	31	Z	0	0	30.69	+0.28	25	23	-14	Z	0	0c	*	—	39	25	*	—	
	Stockholm ...	30.75	19	Z	0	0	30.79	+0.30	32	31	+12	Z	0	0c	*	—	32	14	*	—	
	Wisby ...	30.69	34	N	2	0c	30.78	+0.26	32	31	0	Z	0	f	*	—	36	27	*	—	
	Karlstad ...	30.80	10	W	1	0	30.87	+0.23	2	2	0	W	1	0	*	—	*	*	*	—	
	Färder (X'ania Fjord) ...	30.78	21	N	2	0	30.82	+0.16	19	19	0	Z	0	f	0	—	21	18	*	—	
	Bodö ...	30.40	40	WSW	4	0	30.46	+0.21	41	39	0	W	6	0	3	—	41	39	*	—	
	Christiansund ...	30.67	35	SW	4	0c	30.70	+0.12	30	27	-8	ESE	2	0	5	—	39	28	*	—	
	Skudesnaes ...	30.76	29	ESE	2	0	30.80	+0.15	30	30	-1	SE	2	0	2	0	31	28	*	*	
	Sumburgh Head ...	30.51	39	S	4	+	30.54	+0.03	39	35	0	SSW	5	0	6	0c, r	40	38	*	—	
BRITISH ISLANDS.	Stornoway ...	30.36	36	SW	7	0	30.34	-0.07	34	32	-4	S	7	0	8	0	39	32	0.6	—	
	Malin Head ...	30.40	30	SE	6	0	30.37	-0.10	30	28	0	SE	4	0c	3	0c, 0	33	28	*	—	
	Blacksod Pt. ...	30.24	37	SSE	7	0	30.18	-0.11	33	32	-1	SE	7	0m	6	0	37	30	*	—	
	Valencia ...	30.23	42	SE	6	0c	30.10	-0.20	41	37	+1	SE	6	0q	5	0m, 0c	42	39	0.0	—	
	Roche's Point ...	30.36	39	S	5	0	30.26	-0.19	41	37	+3	SSE	6	0	5	0	42	36	*	—	
	Parsonstown ...	30.38	32	SE	6	0	30.30	-0.19	32	32	+3	ESE	5	0q	*	—	34	28	2.4	—	
	Donaghadee ...	30.53	35	SW	3	0q	30.47	-0.08	34	33	-2	S	4	0q	4	0q	36	32	*	—	
	Liverpool Obsy. ...	30.58	26	SE	3	0	30.51	-0.12	26	24	-1	SE	4	0	4	0m	32	25	*	—	
	Holyhead ...	30.54	29	Z	0	0	30.45	-0.15	26	26	-1	Z	0	0	0	0m, 0	33	25	*	—	
	Pembroke (St. Ann's) ...	30.44	33	SE	5	0c	30.37	-0.15	30	28	-2	E	5	0gm	4	—	34	28	2.7	—	
GERMANY, &c.	Scilly (St. Mary's) ...	30.35	38	ENE	6	0, r, sp	30.29	-0.10	38	35	0	SSE	4	0	4	0, r, sp	42	35	? 1.0	—	
	Jersey (St. Aubins) ...	30.40	30	ENE	4	0m	30.34	-0.13	29	27	-2	E	3	0m	3	0c, 0m	34	26	6.8	—	
	Portland Bill ...	30.45	30	E	4	0c	30.38	-0.14	27	26	-2	ESE	4	0c	3	0c	33	26	*	—	
	Dungeness ...	30.51	30	ESE	6	0	30.42	-0.11	29	28	-2	ESE	5	0	4	0	34	25	*	—	
	Wick ...	30.44	35	S	5	0c	30.48	-0.02	37	35	+2	S	4	0c	3	—	40	32	*	—	
	Nairn ...	30.49	32	Z	0	0	30.52	-0.03	31	30	+3	SSW	1	0	1	—	32	24	*	—	
	Aberdeen ...	30.58	33	SSW	3	0	30.59	-0.04	37	32	+14	SSE	5	0	2	0	38	22	0.3	—	
	Leith ...	30.58	28	E	1	0	30.57	-0.04	23	22	-6	SE	2	0m	*	—	36	20	*	—	
	North Shields ...	30.62	31	S	2	0m	30.59	-0.03	29	29	-2	SW	2	0m	2	0, 0m	35	28	*	—	
	Spurn Head ...	30.61	33	ESE	5	0	30.54	-0.08	35	34	+1	ESE	6	0c, r	4	—	36	33	*	—	
FRANCE.	Yarmouth ...	30.56	34	ESE	6	0q	30.53	-0.08	34	33	+1	ESE	6	0	5	0c, 0q	34	31	*	—	
	Loughborough ...	30.60	26	E	2	0	30.54	-0.10	23	22	+4	E	1	0m	*	0c, 0c, 0m	32	18	*	—	
	Oxford ...	30.54	26	ENE	2	0	30.50	-0.12	22	22	-3	NE	2	0	*	—	32	21	*	—	
	London (Brixton) ...	30.52	30	E	5	0	30.47	-0.08	26	24	-3	E	2	0m	*	0c, 0, 0	33	25	2.3	—	
	The Scaw (Skagen) ...	30.75	31	N	1	0	30.78	+0.15	31	30	0	NE	1	0	0	—	34	28	*	—	
	Fanö ...	30.78	24	NE	2	f	30.78	+0.08	26	25	-2	NE	2	0	*	—	36	23	*	—	
	Cuxhaven ...	30.73	29	ENE	1	0	30.71	+0.04	30	29	+4	E	2	0	*	—	36	26	*	—	
	The Helder ...	30.63	28	E	5	0	30.61	-0.02	25	24	-2	E	4	0	3	—	30	25	*	—	
	Brussel ...	*	*	*	*	*	30.54	0.00	16	14	-1	NE	4	0	*	—	24	16	*	—	
	Berlin ...	30.68	26	NW	2	0	30.68	+0.07	29	28	+10	E	2	0	*	—	29	18	*	—	
SPAN. PEN.	Frankfurt ...	30.55	21	NE	2	0	30.56	+0.14	18	16	0	NE	4	0	*	—	27	16	*	—	
	Munich ...	30.39	14	E	5	0c	30.42	+0.21	5	4	-11	E	4	0	*	—	19	5	*	0.04	
	C. Gris Nez ...	30.47	22	ENE	4	2	30.45	-0.08	17	16	-4	E	4	0	3	—	25	17	*	—	
	Brest ...	?	28	NE	3	0	30.33	-0.08	25	19	-5	NE	3	0	5	—	36	25	*	—	
	Lorient ...	30.35	28	E	4	0	30.28	-0.13	23	23	-2	E	4	0c	2	—	34	23	*	—	
	Rochefort ...	30.28	27	ENE	4	0c	30.21	-0.13	27	25	+2	E	3	0	*	0, 0c	35	21	*	—	
	Biarritz ...	30.27	30	E	2	0	30.19	-0.17	24	24	+1	E	3	0	2	—	32	21	*	—	
	Paris ...	30.44	22	NE	2	0	30.36	-0.08	18	18	-2	ENE	2	0	*	—	26	18	*	—	
	Belfort ...	30.34	21	ENE	7	0	30.40	+0.14	14	13	-5	ENE	6	0	*	—	24	14	*	—	
	Lyons ...	30.33	23	N	4	0	30.38	+0.13	13	4	-9	N	1	0	*	—	26	13	*	—	
Nice ...	30.09	35	E	2	0	30.27	+0.35	33	30	+4	E	1	0	3	—	43	29	*	—		
Perpignan ...	30.23	30	N	2	0	30.21	0.00	27	25	-1	SW	2	0	*	—	38	22	*	—		
SPAN. PEN.	Corunna ...	30.08	42	NNE	4	0	30.13	+0.11	37	34	-5	NNE	4	0	*	—	50	37	*	—	
	Lisbon ...	29.75	61	SSW	5	0	29.62	-0.31	59	57	-2	SW	4	+	2	—	63	59	*	1.62	
SPAN. PEN.	Azores (P. Delgada) ...																				
	" (Horta) ...																				

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, 15th January, 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

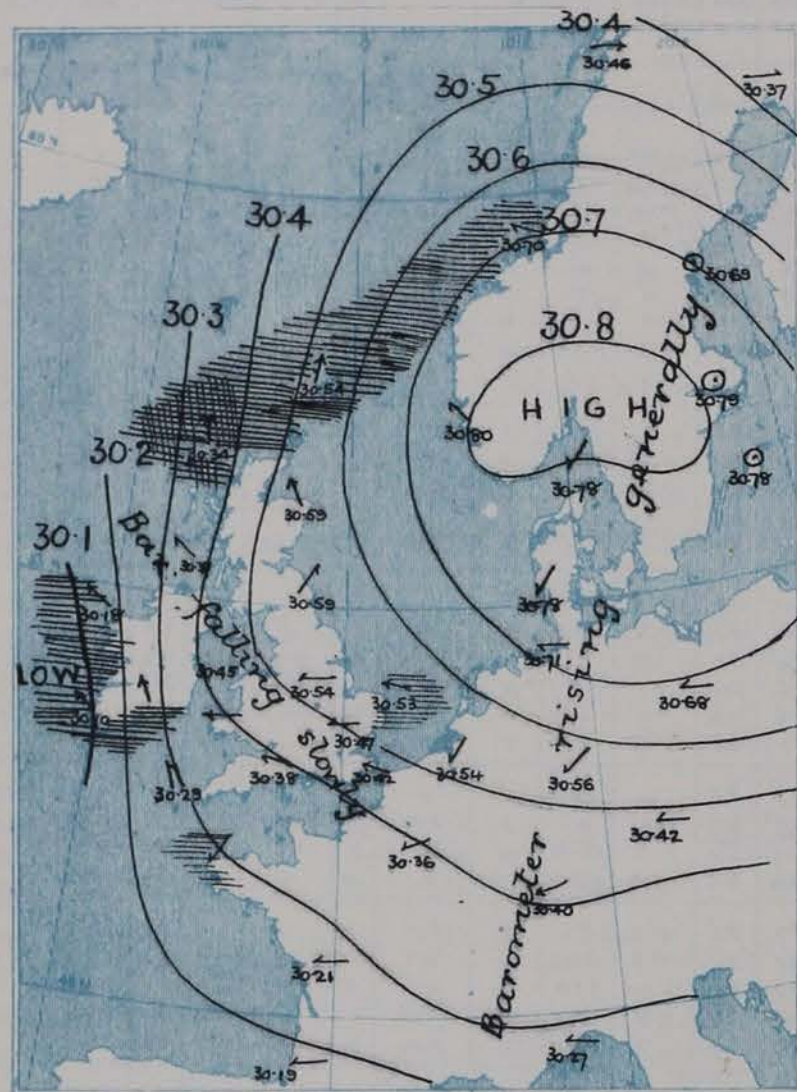
Calm

Force 8 to 10

Force 1 to 4

SEA.—Rough

High

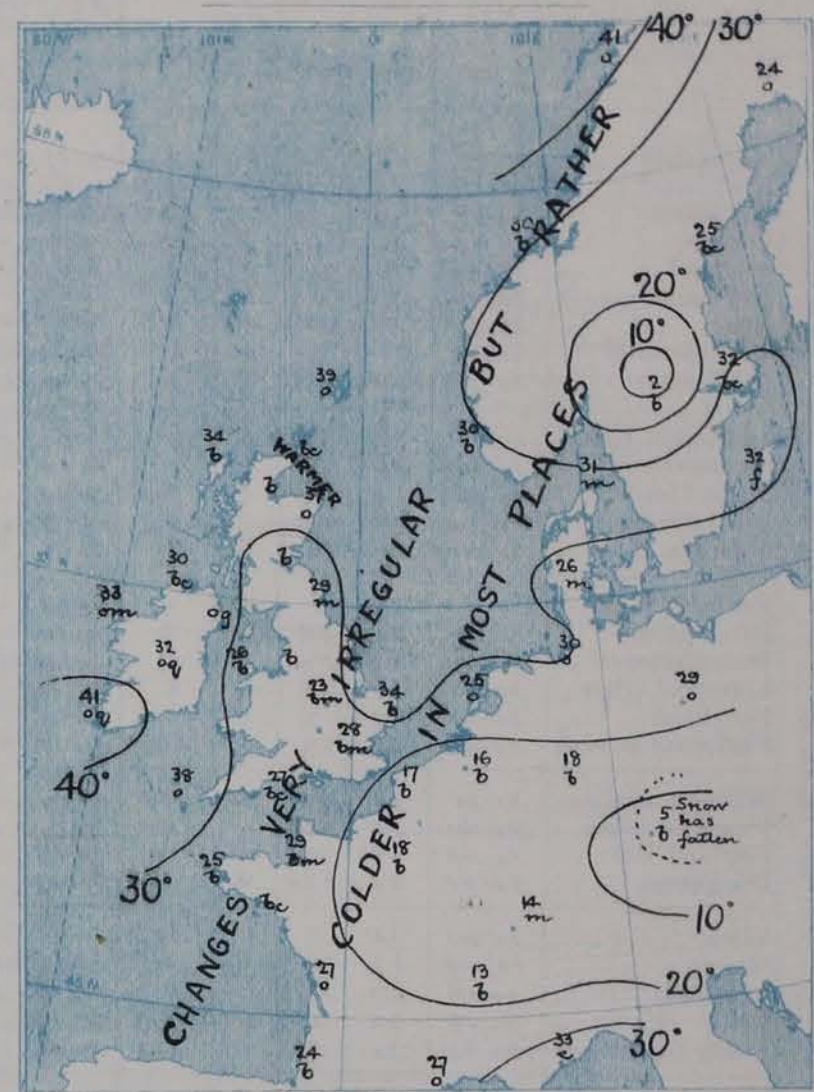


II. TEMPERATURE AND WEATHER. This Morning.

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: 0.16.



III. BAROMETER AND WIND

Yesterday morning.



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

Specimen (for Stornoway) { Average No. of Hours daily } 0.9
{ Total Possible } 7.1



V. Means of DAILY TEMPERATURE

at 8 A.M. for the monthly period

JANUARY (1871-1900.)



GENERAL SITUATION AT 8 A.M.

PRESSURE

This morning the barometer is highest over the North Sea and Baltic, lowest in the south-east of France, in Lapland and off the extreme west of Ireland, the readings ranging from 30.70 in. at Fars to 29.92 in. at Nice, 30.25 in. at Bodø and 30.29 in. at Blackhead Point. In most places the barometer is rising, but all along the western parts of Ireland and Scotland it has begun to fall slowly.

WIND

TEMPERATURE

WEATHER

AND

SEA

Strong breezes from S.E. have set in on most parts of the Irish coast, and a moderate gale at Stornoway, but over England the wind is still E^{ly}, in the Channel and over France E.N.E^{ly}, moderate to strong, while in the north of Scandinavia it is W^{ly}, and at Ulsby N^{ly}. Temperature has risen in Scotland and over Sweden, fallen over Germany and France; the highest reading reported this morning is 41° at Bodø. In the British Islands temperature ranges from 40° at Valencia and 39° at Lumburgh Head to 29° at Parnostown and 19° at Loughborough. It is much below the average generally, and especially over central England. Some rain showers are falling in the far west, but in most places the weather is very fine. The sea is high at Stornoway, moderate in the west and south, rather rough at Yarmouth.

Since yesterday the frost has been very severe and continuous over Germany, and the night very sharp over our Islands (16° at Fars, 19° at Aberdeen). Rainfall was very slight, bright sunshine considerable in the south-west and west.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is some tendency for milder temperatures to set in over our western and north-western districts, but frost seems likely to continue over England and the Continent as the anticyclone is still increasing in intensity.

FORECASTS *

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

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	S.E ^{ly} winds, strong to a gale; temporarily milder and rainy.
1	SCOTLAND EAST	S.E ^{ly} winds, freshening; becoming milder, fair.
2	ENGLAND N.E.	
3	ENGLAND EAST	Same as No. 5.
4	MIDLAND COUNTIES	Same as Nos. 1 and 2.
5	ENGLAND SOUTH	E ^{ly} winds, increasing in strength; cold, fair.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Similar to No. 0.
7	ENGLAND N.W.	
8	ENGLAND S.W.	E ^{ly} to S.E ^{ly} winds, strong; milder, some showers.
9	IRELAND NORTH	Same as No. 0.
10	IRELAND SOUTH	

WARNINGS

At 10.45 a.m. to-day to districts 0, 6, 9 and 10, '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.	Temp.	Wind.	Weather.	Barometer.	Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun-	Rainfall.
	Ins.	°			Ins. Change.	Dry.	Wet.	Change.					Max.	Min.	Hrs.	Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	8	*	c, b	33	29	1.2	—
Newton Reigny (Penrith) ...	30.55	22	2 0	8	30.63 +.21	20	19	-6	SE 1	8	*	8	32	12	3.0	—
Bath	30.50	28	N 1	0	30.58 +.17	21	21	-7	N 2	0	*	—	32	20	6.2	—

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. ...	33	22	8, 8 m, 8	1.8	—	Eastbourne, to ...	30	20	*	0.7	*
Rhyl,	*	*	*	4.5	*	Hastings	*	*	*	1.5	*
Llandudno	*	*	*	4.0	*	Lowestoft, to 6 p.m. ...	37	30	c, g, f, c	1.1	0.03
Aberystwyth, to 6 p.m. ...	49	31	8	5.0	—	Harrogate, to 6 p.m. ...	32	24	m, 8	4.7	—
Plymouth, to 9 p.m. ...	33	28	8 e	3.1	—	Manchester, to 9 p.m. ...	35	27	8 c m, 8 e	0.8	—
Worthing	*	*	*	5.9	*	Darwen, to 9 p.m. ...	31	21	8 c m, 8 m	1.3	—
Brighton	*	*	*	4.7	*	Birmingham, to 9 p.m. ...	32	27	8, c, 8	1.2	—

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

STATIONS. 13. 1. 03	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal) ...	61	50	r 0	0.47	Algiers	63	48	c r	0.12
Madrid	43	25	c e	—	Tunis	64	50	o r	0.12
Corsica (I. Sanguinaires) ...	59	48	m f	—	Vienna	39	28	o 0	0.59
Rome	59	46	6 0	0.20	St. Petersburg	21	-8	6 6	—
Florence	55	42	6 2	0.83	12. 1. 03		1 p.m.		Measured 7 a.m.
Trieste	57	46	o 0	0.20	Lugano	45	—	o	1.02
Naples	59	49	6 0	0.08	Davos	27	—	s	0.32
Palermo	72	50	o 0	0.18	Lucerne	32	—	s	0.67
Malta	65	57	1 0	—	Lausanne	36	—	o	0.75

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.

14. 1. 1903	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	8. 0	12. 2	4. 4
Greenwich	8. 2	12. 9	4. 16
Wick	8. 54	12. 21	3. 48
Valencia	8. 45	12. 50	4. 55

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 Friday, 16th January

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.		Dirac.	Force (0 to 12.)	At 32° Fabr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.			Dirac.	Force (0 to 12.)			Max.	Min.
SCANDINAVIA.	Haparanda ...	30.51	30	Z	0	b	30.59	+22	15	15	-9	SW	2	b.c	*	—	34	10	*	—	
	Hernösand ...	30.72	23	Z	0	b	30.82	+13	13	12	-12	Z	0	b	*	—	34	13	*	—	
	Stockholm ...	30.75	15	W	2	o	30.80	+01	13	13	-19	Z	0	f	*	—	32	13	*	—	
	Wisby ...	30.76	30	W	2	c	30.73	-05	31	30	-1	NE	2	f	*	—	34	25	*	—	
	Karlstad ...	30.83	4	N	2	o	30.83	-04	0	0	-2	N	2	b	*	—	*	*	*	—	
	Färder (Xenia Fjord) ...	30.86	19	N	1	f	30.80	-02	18	18	-1	N	2	f	1	—	19	16	*	—	
	Bodö ...	30.65	40	WSW	6	b	30.72	+26	40	38	-1	SW	4	f	2	—	41	39	*	—	
	Christiansund ...	30.79	29	ESE	1	b	30.73	+03	28	26	-2	ESE	1	b	5	—	32	27	*	—	
	Skudesnaes ...	30.84	32	SSE	2	c	30.77	-03	32	31	+2	SSE	2	o	2	b.c	32	30	*	*	
	Sumburgh Head ...	30.55	39	S	4	c	30.44	-10	40	38	+1	S	5	o	6	b.c	40	38	*	—	
BRITISH ISLANDS.	Stornoway ...	30.34	34	SW	2	b	30.08	-26	42	37	+8	SE	7	b	8	o.b	42	30	1.7	—	
	Malin Head ...	30.18	32	SE	7	b.g	29.85	-52	32	30	+2	SE	8	b.g	5	b.c	33	28	*	—	
	Blacksod Pt. ...	30.03	26	SE	8	c.m	29.64	-54	39	37	+6	SE	9	o.m	7	c.m	39	33	*	—	
	Valencia ...	29.95	41	SE	8	o.g	29.57	-53	42	40	+1	SE	8	tg	6	o.g	43	40	0.0	0.36	
	Roche's Point ...	30.13	42	S	6	o	29.81	-45	41	38	0	S	10	o	8	o.g	42	40	*	—	
	Parsonstown ...	30.18	31	SE	5	b	29.85	-45	36	33	+4	SE	7	o.g	*	—	37	31	0.0	—	
	Donaghadee ...	30.36	38	S	5	b	30.13	-34	36	34	+2	SSE	6	b.g	5	—	38	32	*	—	
	Liverpool Obsy. ...	30.39	31	ESE	4	b	30.24	-27	26	24	0	ESE	6	b	7	—	32	26	*	—	
	Holyhead ...	30.33	33	SE	3	b	30.15	-30	31	30	+5	SE	4	b	3	b	34	26	*	—	
	Pembroke (St. Ann's) ...	30.26	33	SE	6	c	30.03	-34	38	35	+8	SE	8	c.g	6	o.g	39	30	4.5	—	
GERMANY, &c.	Scilly (St. Mary's) ...	30.25	41	ESE	5	o	29.91	-38	38	35	9	ESE	8	o	6	o	42	35	0.3	—	
	Jersey (St. Aubins) ...	30.32	28	E	3	b.m	30.22	-12	34	32	+5	ESE	6	b.m	4	b.m	34	28	6.4	—	
	Portland Bill ...	30.30	32	ESE	5	c	30.20	-18	37	34	+10	SE	6	c	5	c	38	26	*	—	
	Dungeness ...	30.42	31	ESE	5	b	30.40	-02	29	29	0	SE	5	b	4	b	31	27	*	—	
	Wick ...	30.30	39	S	5	b.c	30.26	-22	41	39	+4	S	7	o	4	—	42	34	*	—	
	Nairn ...	30.44	36	W	4	b	30.25	-27	39	35	+8	SSW	3	b.c	1	—	39	26	*	—	
	Aberdeen ...	30.56	39	SE	5	c	30.40	-19	39	35	+2	SE	6	o.g	5	b.c	40	36	1.9	—	
	Leith ...	30.50	30	ESE	1	b	30.31	-26	33	31	+10	ESE	3	b	*	—	37	22	*	—	
	North Shields ...	30.52	38	SE	3	b	30.37	-22	36	34	+7	SE	4	c	3	c.b	38	28	*	—	
	Spurn Head ...	30.45	36	ESE	7	b.c	30.40	-14	35	34	0	SE	5	o	4	—	38	33	*	—	
FRANCE.	Yarmouth ...	30.44	35	E	6	b.g	30.46	-07	34	31	0	SSE	5	c	5	b.b.g	36	32	*	—	
	Loughborough ...	30.45	29	ESE	3	b	30.38	-16	23	22	0	ESE	2	b.m	*	b.m	34	22	*	—	
	Oxford ...	30.43	28	E	2	b	30.35	-15	25	24	+3	E	1	b	0	—	34	22	*	—	
	London (Brixton) ...	30.41	29	ESE	2	b	30.36	-11	24	22	-2	ENE	2	b	*	b.c	34	24	1.0	—	
	The Scaw (Skagen) ...	30.83	30	NE	1	m	30.77	-01	29	29	-2	NNE	1	m	0	—	32	27	*	—	
	Fanö ...	30.80	31	NE	2	o	30.76	-02	29	28	+3	E	2	o	1	—	32	25	*	—	
	Cuxhaven ...	30.75	32	SE	3	o	30.69	-02	26	25	-4	ESE	4	b	*	—	32	25	*	—	
	The Helder ...	30.59	30	ESE	4	o	30.54	-07	26	26	+1	ESE	2	b	2	—	30	25	*	—	
	Brussels ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Berlin ...	30.71	29	NE	1	o	30.72	+04	24	23	-5	NE	2	o	*	—	34	21	*	—	
SPAIN, PEN.	Frankfurt ...	30.59	24	NE	2	b	30.56	-00	24	22	+6	NE	2	b	9	—	34	18	*	—	
	Munich ...	30.45	10	E	4	b	30.47	+05	17	17	+12	E	5	o	*	—	18	5	*	—	
	C. Gris Nez ...	30.41	23	E	3	b	30.38	-07	21	19	+4	E	3	b	2	—	27	17	*	—	
	Brest ...	30.21	30	E	3	b.c	30.02	-31	34	33	+9	E	5	o	5	—	34	25	*	—	
	Lorient ...	30.25	28	E	3	o	30.11	-17	30	30	+7	ESE	4	o	4	—	36	23	*	—	
	Rocheport ...	30.22	27	NE	2	b	30.15	-06	27	25	0	ESE	4	b	*	o.b	34	25	*	—	
	Biarritz ...	30.23	34	E	3	m	30.12	-07	32	31	+8	E	3	o	2	—	37	24	*	—	
	Paris ...	30.40	24	E	1	b	30.39	+03	18	17	0	E	1	b	*	—	30	18	*	—	
	Belfort ...	30.47	16	ENE	4	m	30.46	+06	13	12	-1	ENE	5	m	*	—	22	12	*	—	
	Lyons ...	30.42	22	N	1	b.c	30.47	+09	14	14	+1	WNW	1	b	*	—	27	13	*	—	
Nice ...	30.28	37	E	1	b	30.32	+05	33	31	0	E	1	b	2	—	43	32	*	—		
Perpignan ...	30.21	35	SW	2	b.c	30.26	+05	31	29	+4	SW	2	o	*	—	39	27	*	—		
SPAIN, PEN.	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Lisbon ...	30.09	56	NNE	3	b	30.07	-06	42	41	+5	NNE	4	o	*	—	?	41	*	—	
	Azores (P. Delgada) ...	29.85	56	WNW	3	b	29.84	+15	54	52	-8	WNW	4	o	4	—	63	50	*	0.39	
" (Horta) ...	29.81	54	W	4	b	29.84	+22	52	48	-7	W	2	o	2	—	63	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 Friday 16th JANUARY, 1903.

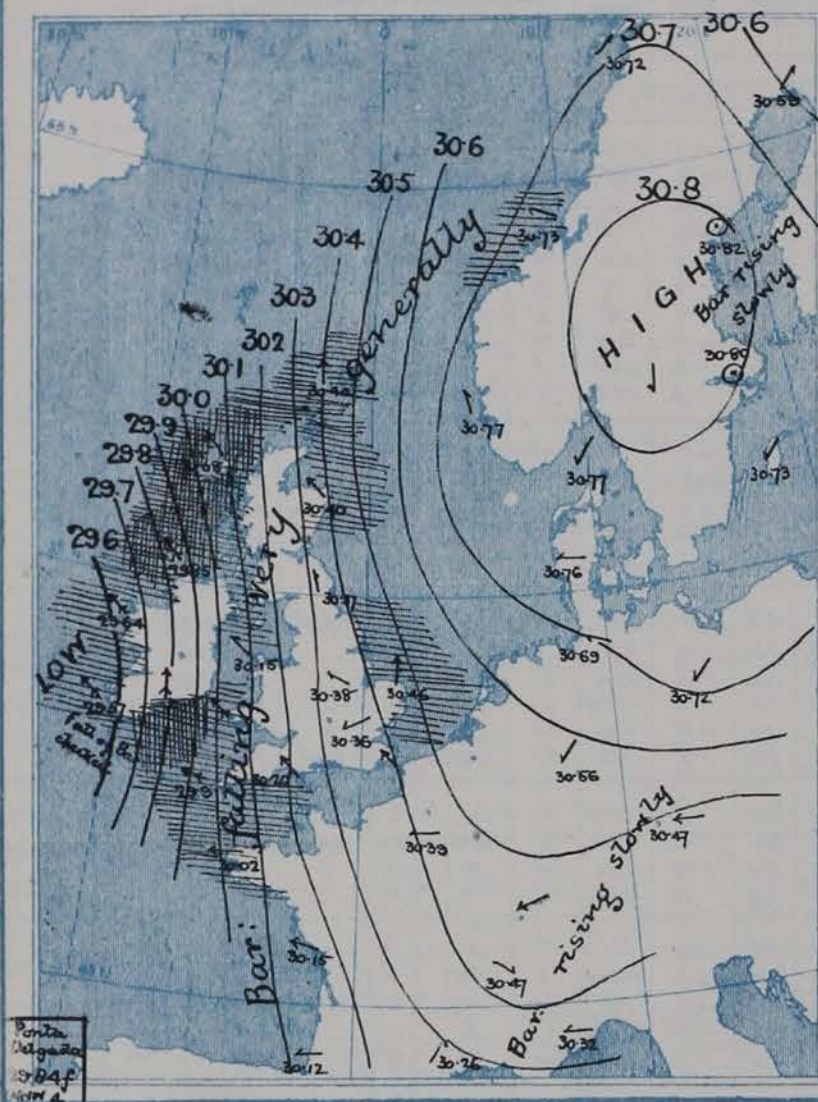
I. BAROMETER, WIND AND SEA. This Morning.

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

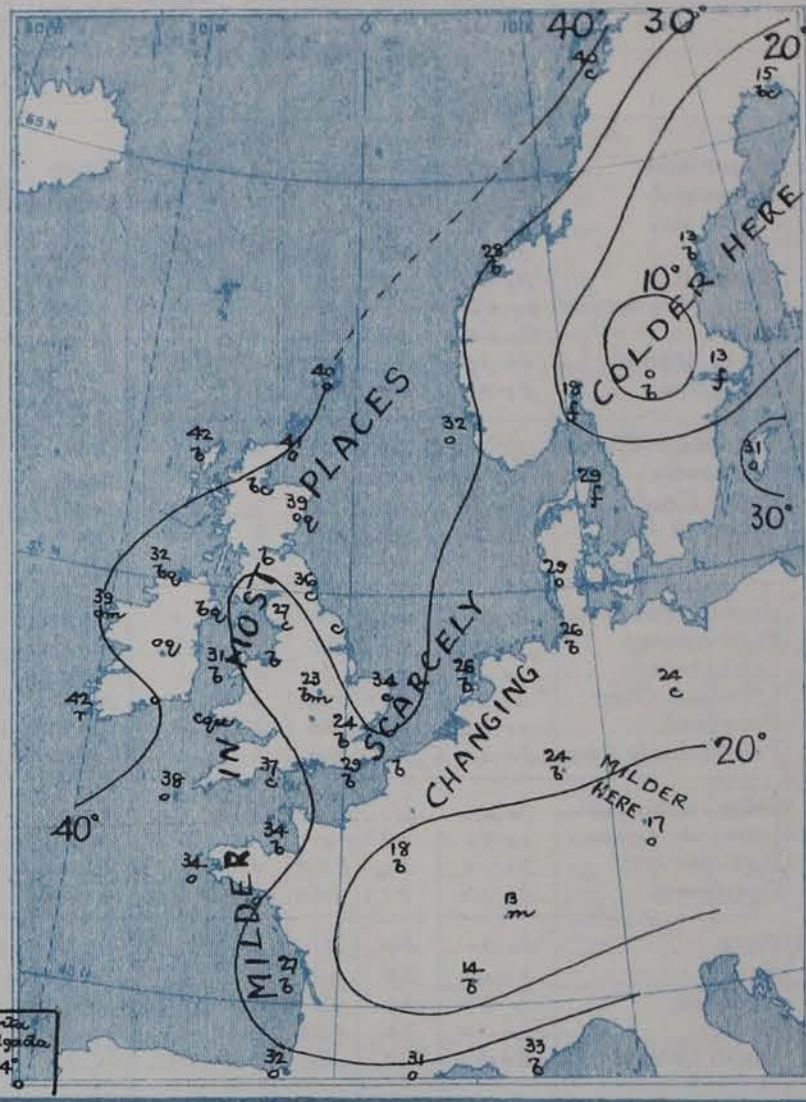


II. TEMPERATURE AND WEATHER. This Morning.

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 JANUARY.

Specimen (for Stornoway) { Average N° of Hours daily } 0.9
{ Total Possible } 7.1



V. Means of DAILY TEMPERATURE

at 8 A.M. for the monthly period

JANUARY (1871-1900.)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The large anticyclone recently observed over North-western Europe has increased in intensity and moved further to the north-eastward. At its centre, which now lies over the southern parts of Norway and Sweden, the barometer is above 30.8 ins., whence the readings decrease to 30.19 ins. at Biarritz and to 30.10 ins. at Valencia Island. The mercury is at present falling slightly over France and the greater part of the United Kingdom, rising slowly elsewhere. Gradients are moderate in the west.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind shows a general circulation around the area of high pressure, being E^{ly} over Germany, the Netherlands, France and England, S.E^{ly} in Ireland, S^{ly} in Scotland, and W^{ly} in the extreme north of Norway and Sweden. It is fresh or strong in force in most parts of our Islands and also at Bodø, moderate or light elsewhere. Temperature shows no decided change as a whole, but has risen in the east of Scotland and south of Ireland. In the latter district it is as high as 41°, but is as low as 30° at Malin Head, 23° at Leith and Loughborough, 22° at Oxford, and 21° at Bath. Over the Continental portion of our area the readings range from 41° at Bodø to 33° at Nice, 24° at Biarritz, 18° at Paris and Frankfurt, 5° at Munich, and 2° at Kasselstad.

The weather is fine and bright in almost all parts of our area, but much cloud prevails in Ireland and the south-west of England and fog at Faerøer and Wisby. The sea is high at Stornoway, rough or rather so in the extreme west and also at Yarmouth, moderate to smooth elsewhere.

The maximum temperatures recorded over our Islands yesterday were very little above 32° generally, and the minima during the night were as low as 20° at Shields and Bath, and 18° at Loughborough. No measurable amount of snow or rain fell over the United Kingdom or its neighbourhood and a great deal of bright sunshine was registered over England; some parts of our southern coasts had more than six hours.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are still no definite indications of any decided change in the weather now prevalent. Cyclonic systems are apparently advancing slowly towards our south-west coasts, but their effect over the Kingdom as a whole is likely to be slight during the ensuing 24 hours.

FORECASTS *

For the 24 hours ending at NOON on 16th January, 1903

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	S ^{ly} winds, strong; rather milder, fair, then some sleet or snow.
1	SCOTLAND EAST	S ^{ly} or S.E ^{ly} winds, moderate to fresh; fair and cold generally.
2	ENGLAND N.E.	
3	ENGLAND EAST	
4	MIDLAND COUNTIES	E ^{ly} and S.E ^{ly} winds, fresh or strong in places; very cold, but fair.
5	ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as No. 0
7	ENGLAND N.W.	S ^{ly} or S.E ^{ly} winds, increasing in force; fair to-day, less settled to-morrow.
8	ENGLAND S.W.	Temperature inclined to rise.
9	IRELAND NORTH	Wind chiefly S.E ^{ly} , fresh or strong; cloudy or dull, some cold rain or sleet. Milder.
10	IRELAND SOUTH	At 7.20 p.m. yesterday to district 8, 'Hoist South Cone'. The signals are still flying in districts 0, 6, 9 and 10.

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	*	*	*	*	*	*	*	*	*	*	3	*	33	30	6.0	-
Newton Reigny (Penrith) ...	30.54	27	SS E 2	3	30.50	- .13	25	24	+5	SS E 1	3	*	32	20	0.7	-
Bath	30.52	27	N 3	0	30.45	- .13	21	21	0	NE 3	0	*	41	20	5.2	-

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.	33	21	c, 3	2.8	-	Eastbourne, to	*	*	*	6.4	*
Rhyl,	*	*	*	4.3	*	Hastings	*	*	*	6.8	*
Llandudno	*	*	*	5.2	*	Lowestoft, to 6 p.m. ...	33	30	3, 3	1.7	-
Aberystwyth, to 6 p.m. ...	49	25	3 m	5.0	-	Harrogate, to 6 p.m. ...	32	20	3, c, 3	1.5	-
Plymouth, to 9 p.m.	34	28	0	1.3	-	Manchester, to 9 p.m. ...	34	24	3, c, 3	2.5	-
Worthing	*	*	*	6.5	*	Darwen, to 9 p.m. <i>Not Recd</i>	*	*	*	*	*
Brighton	*	*	*	6.3	*	Birmingham, to 9 p.m. ...	30	23	3	2.3	-

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

STATIONS. 14. 1. 03	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal)	<i>Not recd</i>	*	*	Ins.	Algiers	61	48	c, 0	Ins.
Madrid	41	21	3, 0	-	Tunis	61	41	0, 0	-
Corsica (I. Sanguinaires) ...	57	43	m, f	0.55	Vienna	30	16	3, c	0.20
Rome	55	38	0, 0	0.08	St. Petersburg	23	- 8	0, c	0.04
Florence	46	35	0, 0	0.28	13. 1. 03	1 p.m.	1 p.m.	Measured 7 a.m.	
Trieste	46	30	c, 0	0.24	Lugano	36	-	3	0.20
Naples	54	41	0, c	0.43	Davos	16	-	3	0.16
Palermo	62	44	0, r	-	Lucerne	30	-	0	0.47
Malta	64	54	?, c	-	Lausanne	27	-	3	0.08

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.

15. 1. 1903	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	7.59	12.2	4.5
Greenwich	8.1	12.9	4.17
Wick	8.53	12.21	3.50
Valencia	8.44	12.50	4.56

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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

SATURDAY 14TH JANUARY

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	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 ...	30.62	4	NW	2	b	30.63	+0.4	-1	-2	-16	2	0	S	*	-	30	-1	*	-	
	Hernösand ...	30.82	5	2	0	b	30.80	-0.2	1	0	-12	2	0	b	*	-	25	1	*	-	
	Stockholm ...	30.89	22	2	0	S	30.92	+1.2	29	28	+16	2	0	0	*	-	29	7	*	0.04	
	Wisby ...	30.86	31	N	2	m	30.93	+2.0	25	24	-6	2	0	b	*	-	34	25	*	-	
	Karlstad ...	30.88	14	NNE	2	f	30.91	+0.8	19	19	+19	N	2	0	*	-	*	*	*	-	
	Færder (X'ania Fjord) ...	30.79	24	ENE	3	0	30.85	+0.5	27	26	+9	NNE	2	0	1	-	27	18	*	-	
	Bodö ...	30.65	33	E	2	b	30.50	-2.2	36	30	-4	E	4	b	1	-	40	32	*	-	
	Christiansund ...	30.58	29	ESE	1	b	30.54	-1.9	33	32	+5	W	3	b	4	-	34	27	*	-	
	Skudesnaes ...	30.60	32	SSE	4	b	30.62	-1.5	34	32	+2	SE	6	b	4	c, b	34	32	*	*	
	Sumburgh Head ...	30.24	40	SSE	7	0	30.22	-2.2	40	38	0	SSE	6	0	7	bc, 0	42	39	*	-	
Stornoway ...	29.90	41	S	7	c	29.98	-1.0	39	37	-3	SE	6	+	6	b, c	46	37	3.0	0.04		
Malin Head ...	29.87	44	SE	8	sq	29.86	+0.1	36	36	+4	SE	7	ogtsp	5	o, sq	36	32	*	0.09		
Blacksod Pt. ...	29.72	40	SE	7	tm	29.81	+1.7	40	40	+1	SE	4	c	4	rs, tm	40	34	*	0.20		
Valencia ...	29.67	47	2	0	0	29.78	+2.1	46	43	+4	ESE	4	bc	4	rg, 0	49	38	0.0	1.00		
BRITISH ISLANDS.	Roche's Point ...	29.71	46	S	8	+	29.84	+0.3	46	46	+5	SSW	2	c	4	+	48	41	*	0.98	
	Parsonstown ...	29.82	37	SE	6	org	29.86	+0.1	43	42	+7	SE	4	og	*	org	43	35	0.0	0.20	
	Donaghadee ...	30.02	39	SSE	6	c	30.00	-1.3	38	38	+2	S	4	c	4	-	45	35	*	0.01	
	Liverpool Obsy. ...	30.13	29	SE	5	bm	30.09	-1.5	29	28	+3	SE	4	o	?	bm	32	26	*	-	
	Holyhead ...	29.99	40	SE	7	om	30.00	-1.5	37	36	+6	E	3	ots	2	ogm, om	40	30	*	0.26	
	Pembroke (St. Ann's) ...	29.89	43	SE	7	0	29.94	-0.9	39	38	+1	E	5	ogqm	6	rsp, 0	44	37	0.0	0.21	
	Scilly (St. Mary's) ...	29.78	45	SE	8	+	29.82	-0.9	47	46	+9	E	2	of	6	+	48	35	0.0	0.73	
	Jersey (St. Aubins) ...	30.07	40	ESE	6	bcm	30.02	-2.0	40	39	+6	ESE	5	ots	4	ogbcm	42	34	3.0	0.14	
	Portland Bill ...	30.04	42	SE	6	c	30.00	-2.0	42	40	+5	SE	5	o	4	c	43	37	*	-	
	Dungeness ...	30.24	32	ESE	4	b	30.18	-2.2	32	31	+3	SE	4	c	3	b	33	28	*	-	
Wick ...	30.12	40	SE	8	c	30.12	-1.4	40	38	-1	SE	6	c	4	-	42	37	*	-		
Nairn ...	30.12	35	2	0	b	30.05	-2.0	37	34	-2	SSE	4	c	3	-	39	32	*	-		
Aberdeen ...	30.26	38	SE	6	og	30.21	-1.9	39	35	0	SE	5	ogq	5	c, og	39	37	0.0	-		
Leith ...	30.18	32	SE	2	bc	30.12	-1.9	31	30	-2	SE	3	c	*	-	37	28	*	-		
North Shields ...	30.27	34	S	3	m	30.21	-1.6	32	30	-4	SSW	2	om	3	c, m	36	29	*	-		
GERMANY, &c.	Spurn Head ...	30.25	31	SE	5	c	30.20	-2.0	35	33	0	SE	5	c	4	-	36	33	*	-	
	Yarmouth ...	30.29	34	SE	5	cg	30.23	-2.3	34	31	0	SSE	5	b	5	c, cg	35	32	*	-	
	Loughborough ...																				
	Oxford ...	30.19	27	ESE	2	b	30.15	-2.0	28	27	+3	E	1	o	*	b, 0	32	25	*	-	
	London (Brixton) ...	30.22	28	E	2	bc	30.15	-2.1	26	25	+2	ESE	3	o	*	bcm, bv	33	24	0.6	-	
FRANCE.	The Scaw (Skagen) ...	30.71	30	ESE	3	0	30.79	+0.2	32	32	+3	SE	3	0	1	-	32	25	*	-	
	Fanö ...	30.63	27	ESE	6	b	30.65	-1.1	25	25	-4	ESE	8	0	*	-	30	25	*	-	
	Cuxhaven ...	30.61	27	SE	4	b	30.59	-1.0	23	22	-3	ESE	6	b	*	-	32	23	*	-	
	The Helder ...	30.39	27	ESE	2	b	30.34	-2.2	26	25	0	ESE	4	b	3	-	28	25	*	-	
	Brussels ...	*	*	*	*	*	30.31		21	20		ENE	3	b	*	-	30	19	*	-	
	Berlin ...	30.67	24	ESE	4	0	30.72	-0.0	17	16	-7	ESE	2	b	*	-	28	16	*	-	
	Frankfurt ...	30.47	27	E	2	b	30.49	-0.7	22	21	-2	ENE	2	b	*	-	32	21	*	-	
	Munich ...	30.39	14	E	5	c	30.43	-0.4	11	11	-6	E	2	o	*	-	21	7	*	-	
SPAN. PEN.	C. Gris Nez ...	30.23	23	E	3	b	30.17	-2.1	22	21	+1	SE	2	bc	1	-	28	21	*	-	
	Brest ...	29.88	43	SE	6	+	29.89	-1.3	44	44	+10	E	3	0	6	-	44	28	*	0.12	
	Lorient ...	29.99	40	SE	5	0	29.91	-2.0	43	41	+13	SSE	5	+	5	-	43	30	*	0.39	
	Rochefort ...	30.01	39	ESE	2	c	29.92	-2.3	43	42	+16	SSE	4	+	*	c	43	25	*	0.04	
	Biarritz ...	30.06	52	S	3	0	30.04	-0.8	54	49	+22	S	4	0	4	-	54	32	*	-	
	Paris ...	30.28	26	SE	2	b	30.20	-1.9	22	21	+4	SE	2	b	*	-	35	18	*	-	
	Belfort ...	30.40	16	ENE	6	m	30.40	-0.6	16	15	+3	ENE	4	m	*	-	22	?	*	-	

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 17th JANUARY, 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 →→→

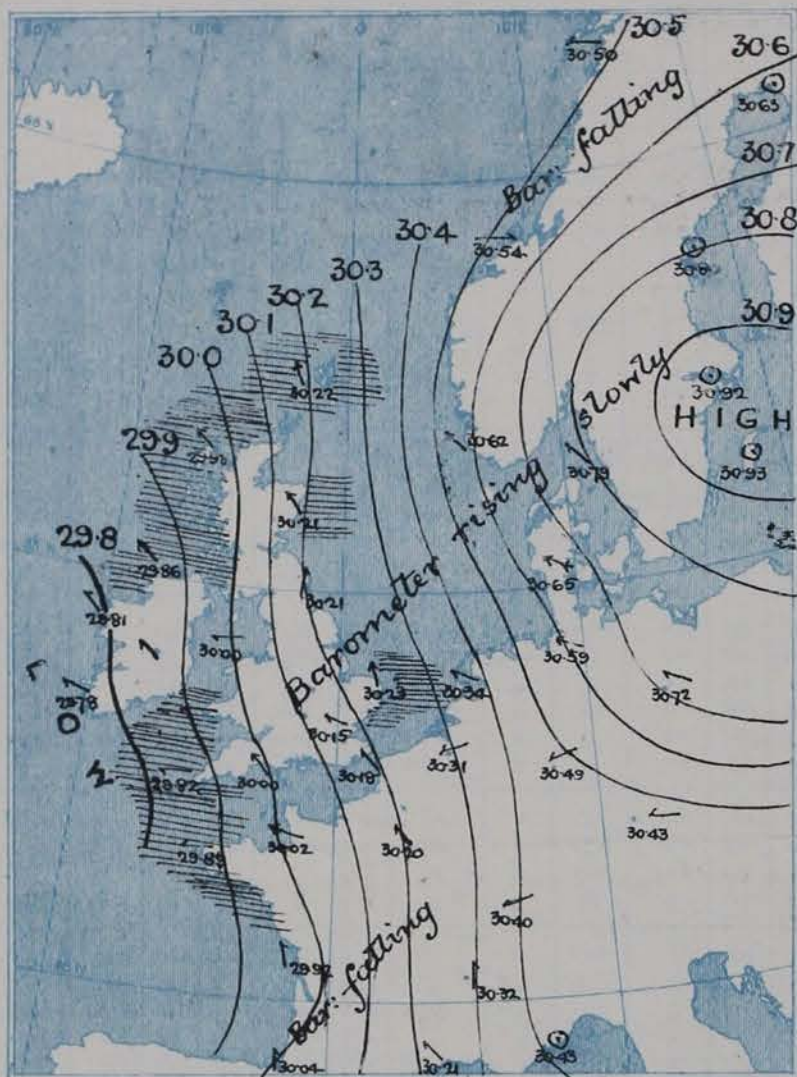
Calm ☉

Force 8 to 10 →→→

Force 1 to 4 →→→

SEA.—Rough

High



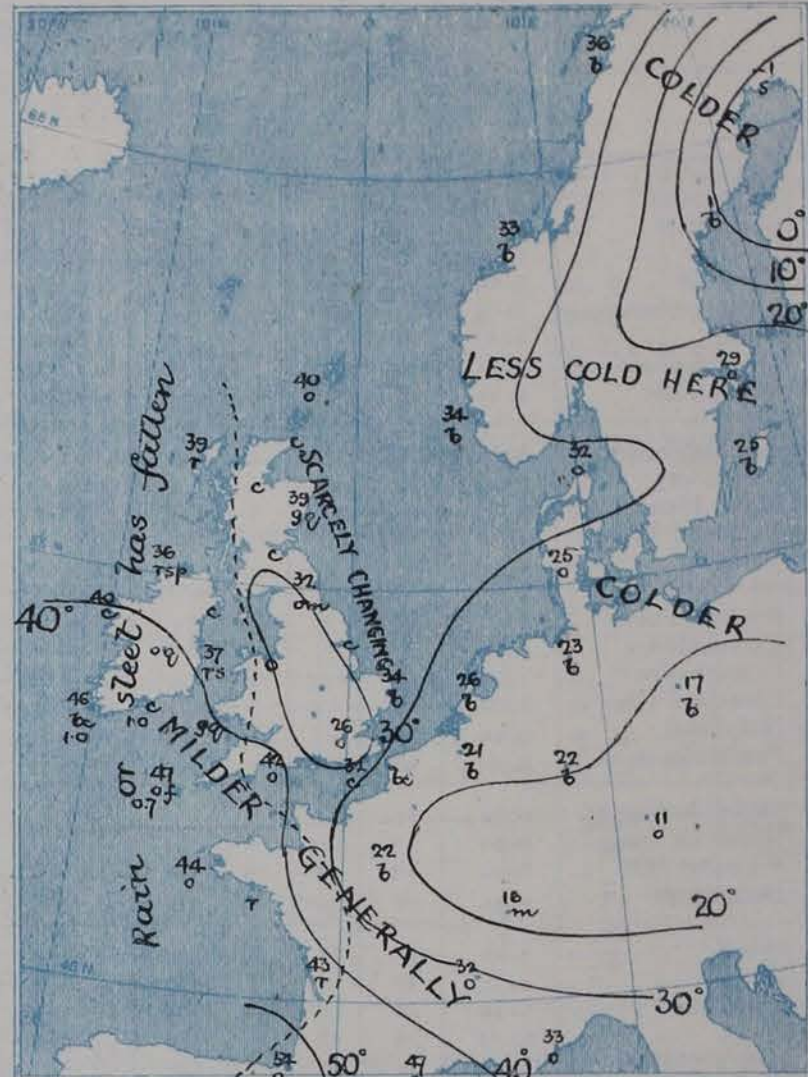
II. TEMPERATURE AND WEATHER. *This Morning.*

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

RAINFALL.—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 JANUARY. (1871-1900)



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



GENERAL SITUATION AT 8 A.M.

PRESSURE

The barometer continues highest in a very large anticyclone embracing Scandinavia and the neighbouring countries, but during the night an extensive and deep cyclonic system has spread over our more western and northern districts from the Atlantic and caused a great increase in the steepness of the gradients. The readings range from 30.83 in. at Karlskrona and 30.72 in. at Bodø and Berlin to 30.08 in. at Stornoway and to 29.57 in. at Valencia. Pressure is still decreasing in the north and west of our Islands and the west of France, but changing very little within the anticyclonic area.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind has increased greatly in force from the S^W or S.E^W over Ireland, Scotland, and the west of England, and now blows a fresh to whole gale in many places. Over our eastern and south-eastern districts it is light to moderate or fresh and mainly S.E^W, while over France it is moderate from the E^W. Temperature has risen several degrees in Scotland and also at Shields, Pembroke and Portland Bill, and slightly in Ireland; it now ranges from 42° at Valencia and Stornoway and 39° at Aberdeen, to 26° at Liverpool, 24° in London and 23° at Loughborough. Over Sweden the cold has increased; at Karlskrona the thermometer stands at 0° (zero) and at Stockholm at 13°. Over France and Germany there is still severe frost; at Paris and Munich the readings are 18° and 17° respectively and at Lyons and Belfast, 14° and 13°. The sky has become overcast in the north-east of Scotland and most parts of Ireland, and rain is falling at Valencia; in most other parts of our area the sky is clear. The sea is very high at Stornoway, high at Blackhead Point and rough or rather so on most parts of our coast. The maximum temperatures over our Islands yesterday were again only a few degrees above the freezing point generally and severe frost was experienced at night in all the inland parts of England. Much bright sunshine was recorded over England, and, except at Valencia Island, no rain or snow fell in any part of our area.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

It does not appear probable that the disturbance will spread much more to the eastward, so that while the temperature in the extreme west and north will remain higher than it has been of late, that over central and south-eastern England will show little, if any, change. The strong winds and gales will subside very gradually.

FORECASTS*

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

DISTRICTS.



FORECASTS.

0	SCOTLAND NORTH	S ^W and S.E ^W strong winds or gales; fair as a whole, but sleet or snow locally.
1	SCOTLAND EAST	
2	ENGLAND N.E.	S.E ^W winds, moderate or fresh; fair generally. Temperature rising temporarily.
3	ENGLAND EAST	Same as No. 5.
4	MIDLAND COUNTIES	E ^W and S.E ^W winds, light or moderate; cold, fair.
5	ENGLAND SOUTH	S.E ^W and E ^W winds, fresh on coast; cold, fair.

DISTRICTS.

FORECASTS.

6	{ SCOTLAND WEST	Same as Nos. 0 and 1.
7	{ ENGLAND N.W.	
8	{ ENGLAND S.W.	
9	{ IRELAND NORTH	
10	{ IRELAND SOUTH	
		S ^W and S.E ^W strong winds or gales; fair in eastern localities, some cold rain in west.
		At 7.15 yesterday to districts 1, 7 and part of 0, Hoist South Cone. The signals are
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	*	*	*	*	*	*	*	*	*	*	C	*	B	35	31	6.5	—
Newton Reigny (Penrith)	30.35	31	SE 4	C	30.29	-.21	27	26	+2	SE 4	B	*	Bc	32	24	5.3	—
Bath	30.36	28	NE 4	O	30.26	-.19	27	27	+6	NE 2	O	*	—	31	21	3.8	—

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....	32	19	6	3.7	—	Eastbourne, to	0	0	*	5.5	*
Rhyl,	*	*	*	5.3	*	Hastings	*	*	*	6.1	*
Llandudno	*	*	*	7.0	*	Lowestoft, to 6 p.m. ...	36	31	3, c, 3	5.0	—
Aberystwyth, to 6 p.m. ...	43	26	c, 3	6.0	—	Harrogate, to 6 p.m. ...	30	16	3m, 30	4.3	—
Plymouth, to 9 p.m. <i>Not recd.</i>	*	*	*	*	*	Manchester, to 9 p.m. ...	34	22	3, 30, 9	4.0	—
Worthing	*	*	*	5.2	*	Darwen, to 9 p.m. ...	32	21	c, 3m, 30	2.7	—
Brighton	*	*	*	5.5	*	Birmingham, to 9 p.m. ...	31	23	3m, 3	2.5	—

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.		
15. 1. 03									
Madeira (Funchal) <i>Not recd.</i>				Ins.	Algiers	55	48	c 0	Ins.
Madrid	37	21	c 0	—	Tunis	54	45	c 0	—
Corsica (I. Sanguinaires) ...	52	36	f 2	—	Vienna	23	12	6 6	—
Rome	59	33	6 6	—	St. Petersburg... ..	32	-2	0 0	—
Florence	41	36	0 0	—		1 p.m.		1 p.m.	Measured 7 a.m.
Trieste	36	30	0 c	—	Lugano ... 14. 1. 03 ...	36	—	0	0.60
Naples	51	36	6 6	0.20	Davos	16	—	0	—
Palermo	54	40	0 c	—	Lucerne	25	—	0	—
Malta... ..	63	52	? 0	—	Lausanne... <i>Not recd.</i>				

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.

15. 1. 1903	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	7.58	12.3	4.7
Greenwich	8.1	12.10	4.19
Wick	8.52	12.22	3.52
Valencia	8.43	12.51	4.58

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.

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

DAILY WEATHER REPORT

for 8 a.m. on *Sunday, 18th January, 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.)		Max.	Min.	Sun- shine. Hours	Rainfall. Ins.
	Ins.	°					Ins.	Ins.	°	°										
SCANDINAVIA.	Haparanda ...	30.51	1	2	0	8	30.52	-11	-6	-7	-5	Z	0	8	*	-	3	-6	*	-
	Hernösand ...	30.73	12	2	0	8	30.71	-09	-1	-2	-2	Z	0	8	*	-	12	?	*	-
	Stockholm ...	30.94	22	2	0	8	30.89	-03	16	16	-13	Z	0	8C	*	-	30	?	*	-
	Wisby ...	30.96	23	2	0	8	30.91	-02	23	22	-2	Z	0	0	*	-	32	19	*	-
	Karlstad ...	30.93	17	NW	2	8	30.91	00	16	15	-3	Z	0	0	*	-	*	?	*	-
	Færder (X'ania Fjord) ...	30.87	27	E	2	8	30.85	00	21	20	-6	E	1	0	1	-	30	?	*	-
	Bodö ...	30.58	34	E	4	8	30.55	+05	36	33	0	E	4	8C	1	-	38	32	*	-
	Christiansund ...	30.59	33	WSW	2	8	30.58	+04	32	28	-1	E	2	8	4	-	36	27	*	-
BRITISH ISLANDS.	Skudesnaes ...	30.63	35	SE	6	8	30.54	-08	36	30	+2	SE	6	8	4	-	37	32	*	*
	Sumburgh Head ...	30.27	40	SSE	6	0	30.22	00	40	37	0	SSE	6	0	7	0	41	39	*	-
	Stornoway ...	30.05	42	SE	3	0	30.00	+02	43	39	+4	SE	4	0	4	0	44	36	0.0	0.03
	Malin Head ...	29.91	36	SE	7	omg	29.98	+12	38	38	+2	S	3	om	3	0,omg	38	36	*	0.01
	Blacksod Pt. ...	29.82	43	SE	5	rm	29.94	+13	43	42	+3	SSW	4	8	3	0,rm	45	38	*	0.05
	Valencia ...	29.85	45	SW	2	op	29.99	+21	38	37	-8	Z	0	8	3	op	49	35	0.0	0.13
	Roche's Point ...	29.88	48	SSE	3	8C	30.03	+19	37	37	-9	NW	3	f	2	80,7	48	35	*	0.06
	Parsonstown ...	29.92	41	SE	3	0	30.02	+16	35	35	-8	ESE	1	8m	*	09	44	35	0.0	0.10
GERMANY, &c.	Donaghadee ...	30.05	40	SSE	4	og	30.04	+04	42	42	+4	SSE	3	8m	3	09	42	37	*	0.02
	Liverpool Obsy. ...	30.13	33	SE	3	0	30.13	+04	33	33	+4	SE	4	m	?	0m	34	28	*	-
	Holyhead ...	30.02	37	ESE	1	om	30.11	+11	40	39	+3	ESE	1	om	1	0,om	41	35	*	0.02
	Pembroke (St. Ann's) ...	29.97	39	E	6	0	30.04	+10	43	43	+4	SE	5	m/p	4	0m	44	38	0.0	0.02
	Scilly (St. Mary's) ...	29.89	48	S	2	0	30.02	+20	45	43	-2	WNW	1	8cw	4	0	50	42	1.8	0.02
	Jersey (St. Aubins) ...	30.06	41	SE	4	omr	30.14	+12	44	43	+4	Z	0	f	0	omr,g	44	40	0.0	0.12
	Portland Bill ...	30.03	42	ESE	4	7	30.12	+12	43	42	+1	ESE	2	8m	1	7,7p	43	41	*	0.18
	Dungeness ...	30.18	37	SE	4	0	30.16	-02	40	39	+8	S	5	7	3	0,0	41	30	*	0.10
FRANCE.	Wick ...	30.16	40	SSE	6	0	30.12	00	40	38	0	SSE	6	0	5	-	42	38	*	-
	Nairn ...	30.17	34	Z	0	8C	30.10	+05	39	36	+2	S	1	c	1	-	39	31	*	-
	Aberdeen ...	30.26	39	SSE	4	0	30.20	-01	40	37	+1	SSE	3	0	4	0	40	38	0.0	-
	Leith ...	30.19	33	SE	2	8C	30.12	00	35	34	+4	SE	2	0	*	-	36	29	*	-
	North Shields ...	30.23	37	SSW	2	om	30.15	-06	36	36	+4	SSE	3	7	3	om,om	37	31	*	0.02
	Spurn Head ...	30.20	35	ESE	6	8C	30.20	00	37	37	+2	SSE	4	0	4	-	38	35	*	-
	Yarmouth ...	30.21	36	SSE	5	C	30.22	-01	37	35	+3	SSE	4	C	4	8C,C	37	33	*	-
	Loughborough ...	30.16	34	E	2	7	30.16	+01	34	34	+6	E	1	0	*	7,7,7S	35	28	*	0.13
SPAIN, PEN.	Oxford ...	30.14	34	E	2	ovs	30.16	+01	35	35	+9	Z	0	of	*	0,7,f	36	26	0.0	0.35
	London (Brixton) ...	30.14	34	E	2	ovs	30.16	+01	35	35	+9	Z	0	of	*	0,7,f	36	26	0.0	0.35
	The Scaw (Skagen) ...	30.83	30	SSE	3	8C	30.78	-01	30	29	-2	SE	3	0	1	-	34	27	*	-
	Fanö ...	30.66	23	ESE	8	8	30.64	-01	23	23	-2	ESE	4	8	*	-	30	21	*	-
	Cuxhaven ...	30.61	23	ESE	6	8	30.59	00	17	16	-6	SE	5	8	*	-	27	?	*	-
	The Helder ...	30.28	28	SE	2	8	30.34	00	24	23	-2	SE	3	8	2	-	30	24	*	-
	Brussels ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Berlin ...	30.78	16	E	4	8	30.76	+04	11	10	-6	SE	3	8	*	-	25	10	*	-
FRANCE.	Frankfurt ...	30.51	24	NE	2	8	30.50	+01	18	16	-4	NE	2	8	*	-	30	16	*	-
	Munich ...	30.44	8	E	2	8	30.45	+02	4	4	-7	Z	0	m	*	-	16	3	*	-
	C. Gris Nez ...	30.17	31	SE	4	8	30.14	-03	34	34	+12	SE	4	0	3	-	?	?	*	0.04
	Brest ...	30.02	47	ESE	2	0	30.08	+19	43	43	-1	ESE	2	0	5	-	47	43	*	0.12
	Lorient ...	29.99	43	S	5	f	30.11	+20	43	43	0	ENE	2	m	3	-	46	39	*	0.12
	Rochefort ...	30.07	46	SE	3	7	30.14	+22	45	44	+2	SSE	4	7	*	0,7	46	43	*	0.12
	Biarritz ...	30.09	57	SE	4	0	30.16	+12	46	45	-8	SE	1	0	3	-	57	45	*	-
	Paris ...	30.21	36	SE	2	0	30.26	+06	36	36	+14	SSE	3	7	*	-	38	22	*	0.12
FRANCE.	Belfort ...	30.41	19	ENE	4	m	30.45	+05	18	17	+2	ENE	4	m	*	-	26	16	*	-
	Lyons ...	30.35	34	S	1	0	30.38	+06	36	35	+4	SE	1	0	*	-	38	32	*	-
	Nice ...	30.43	35	E	1	0	30.47	+04	36	30	+3	Z	0	0	96	-	45	33	*	-
	Perpignan ...	30.25	48	SE	3	0	30.30	+09	46	45	-1	S	1	0	*	-	53	45	*	0.04
	Corunna ...	30.08	57	S	1	8	30.06	+12	48	46	-2	S	3	0	3	-	59	43	*	0.04
SPAN. PEN.	Lisbon ...	30.08	51	NNW	4	8	30.17	+18	42	42	-11	NNE	3	f	*	-	59	42	*	-
	Azores (P. Delgada) ...	29.97	60	SSW	7	0	30.14	+08	53	48	+4	NNW	4	8	4	-	61	48	*	0.04
	" (Horta) ...	29.92	56	NNW	4	8	30.16	+17	52	47	-2	WNW	2	8	2	-	59	52	*	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

Sunday, 18th January, 1903.

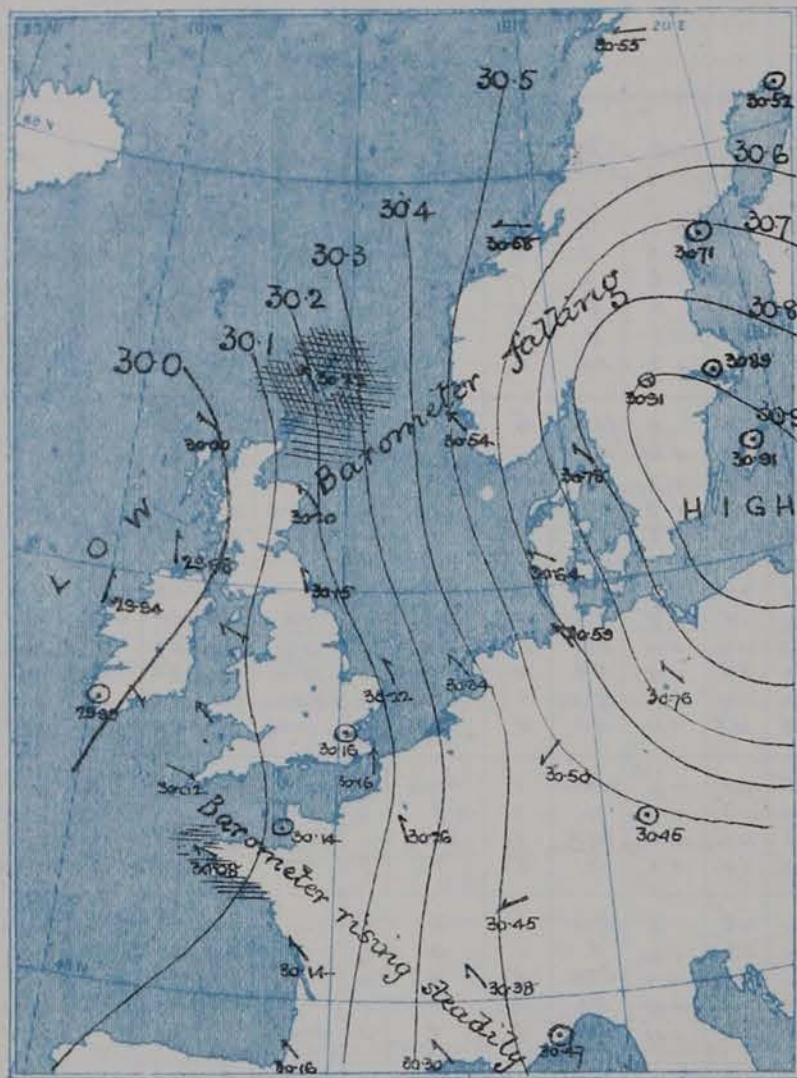
I. BAROMETER, WIND AND SEA. This Morning.

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

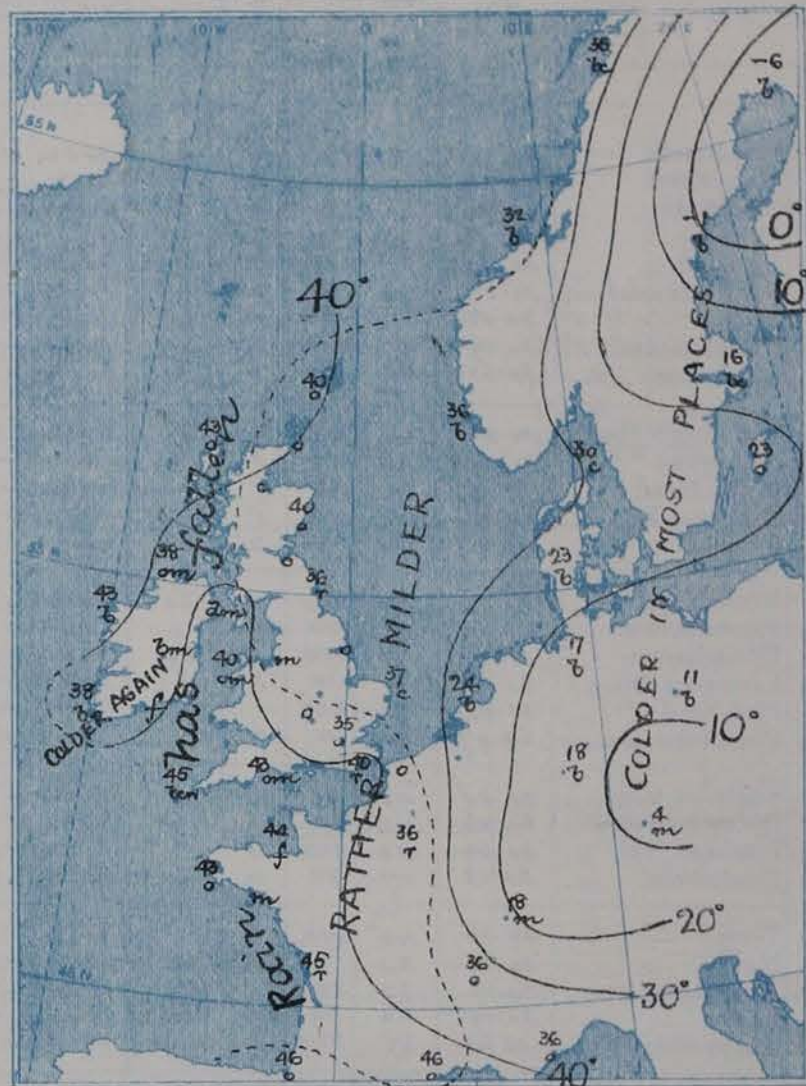


II. TEMPERATURE AND WEATHER. This Morning.

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: (V)

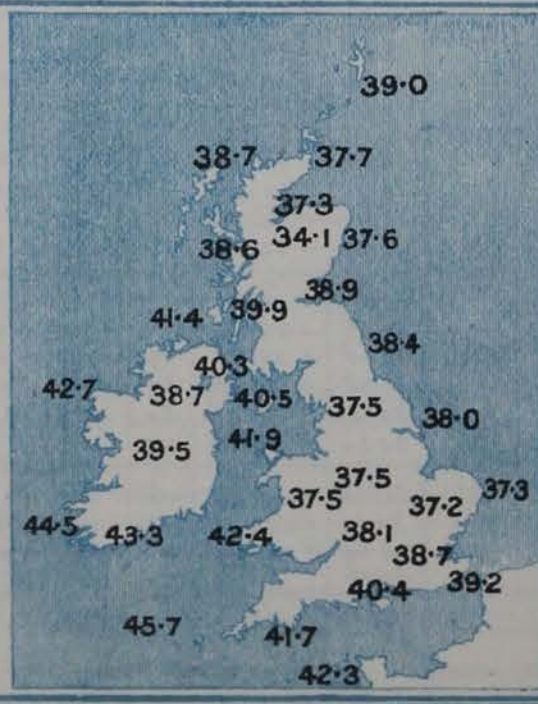


III. BAROMETER AND WIND

Yesterday morning.



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



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



GENERAL SITUATION AT 8 A.M.

PRESSURE

The cyclonic disturbance which was spreading over the Kingdom yesterday morning appears subsequently to have broken into two parts which moved, one in a south-easterly direction, and the other north-eastwards, both at the same time becoming less deep. Barometric pressure continues highest, above 30.9 in. in an anticyclone having its centre over the southern parts of Sweden and the Gulf of Bothnia, and lowest, 29.78 in. at Valencia Island. The mercury is now rising again in most regions, but falling somewhat over the south-west of France and also in the north of Norway. Gradients have become moderate or slight.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind is S.E.³ over the greater part of the United Kingdom and France, but E.³ in Wales and Brittany; it has fallen to a light or moderate breeze generally, but still blows freshly or strongly at some northern and north-western stations. Over Denmark it is strong to a gale from the E.S.E.², at Christiansund light from the W.⁴, and over Sweden calm. Temperature has risen quickly over most parts of France and at some Scandinavian stations and a few degrees in the west and south of our Islands. It at present ranges from 54° at Biarritz, 47° in the Scilly Isles, and 46° on the south coast of Ireland, to 31° at Leith, 26° in London, 22° at Paris, 17° at Berlin, 11° at Munich, and 1° below zero at Naparanda. The weather is fine at most Continental stations, but rain is falling in the west of France and snow in the north of Sweden. Over our Islands it is cloudy or dull, with sleet at Mull Head, Holyhead and Jersey. The sea is rough off our northern and southern coasts, rather so at Yarmouth.

The maximum temperatures recorded over our Islands yesterday were several degrees higher than of late in most districts, but were again very little above the freezing point over central and south-eastern England, and frost again prevailed in those regions at night. About an inch of rain fell in the south of Ireland, 0.73 inch at Scilly, and slighter amounts at most western stations. Over the south of England more than five hours of bright sunshine were registered.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

It seems probable that the northern anticyclone will soon begin to extend westwards again and that the temperature over our Islands will fall generally. Slight snow may be expected locally, but as a whole the weather will be fair and the winds between S.E. and E.

FORECASTS *

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

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	S.E. ³ winds, decreasing in force; fair as a whole, but some sleet or snow locally. Temperature falling again.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Wind chiefly S.E. ³ , moderate or light; fair generally, but slight snow locally. Becoming rather colder.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as Nos. 0 and 1.
7	ENGLAND N.W.	
8	ENGLAND S.W.	S.E. ³ or E. ³ winds, light or moderate; becoming colder again, fair as a whole.
9	IRELAND NORTH	
10	IRELAND SOUTH	

WARNINGS

At 3.40 p.m. yesterday to districts 6, 10 and parts of 0 and 9, Hoist South Cone. At 10.10 a.m. to-day to districts 0, 1, 6, 7, 9 and 10 and part of 8, 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. 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	33	31	4.0	-
Newton Reigny (Penrith)	30.19	28	SE 3	b	30.11	-18	28	27	+1	ESE 3	o	*	bc, o	31	26	4.1	-
Bath	30.12	32	? 5	o	30.08	-18	30	30	+3	? 2	o	*	-	35	28	2.5	-

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. ...	33	27	b, o, b	2.9	-	Eastbourne, ...	30	25	*	5.8	*
Rhyl, ...	*	*	*	1.2	*	Hastings ...	*	*	*	5.8	*
Llandudno ...	*	*	*	2.4	*	Lowestoft, to 6 p.m. ...	35	31	c, o, c	1.2	-
Aberystwyth, to 6 p.m. ...	42	30	bc	2.0	-	Harrogate, to 6 p.m. ...	32	26	c, o	0.0	-
Plymouth, to 9 p.m. ...	44	30	og, r	0.3	-	Manchester, to 9 p.m. ...	34	28	bc, q	4.0	-
Worthing ...	*	*	*	6.0	*	Darwen, to 9 p.m. ...	32	25	bm, b	3.3	-
Brighton ...	*	*	*	5.1	*	Birmingham, to 9 p.m. ...	30	22	b, o	3.5	-

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.		
16.1.03									
Madeira (Funchal) ...	64	50	bc bc	Ins.	Algiers ...	61	52	c o	Ins.
Madrid ...	40	25	bc o	-	Tunis ...	59	45	o o	-
Corsica (I. Sanguinaires) ...	52	36	f f	-	Vienna ...	25	18	b b	-
Rome ...	44	34	o o	-	St. Petersburg ...	21	-2	s o	-
Florence ...	48	35	o o	-	1 p.m.			1 p.m.	Measured 7 a.m.
Trieste ...	37	28	b b	-	Lugano ... 15.1.03	36	-	b	-
Naples ...	45	36	b b	-	Davos ...	21	-	b	-
Palermo ...	58	45	o r	0.12	Lucerne ...	19	-	o	0.04
Malta ...	57	53	? o	-	Lausanne ...	21	-	bc	-

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.

17 Jan 1903	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	7.57	12.3	4.9
Greenwich	8.0	12.10	4.21
Wick	8.50	12.22	3.54
Valencia	8.42	12.51	5.0

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

DAILY WEATHER REPORT

for 8 a.m. on *Monday, 19th January, 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° Fahr. 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 ...	30.49	-7	Z	0	b	30.36	-16	1	1	+7	Z	0	f	*	-	?	-8	*	-	
	Hernösand ...	30.60	-2	Z	0	b	30.48	-23	-8	-9	-7	Z	0	b	*	-	48	-8	*	-	
	Stockholm ...	30.76	12	Z	0	b	30.68	-21	13	13	-3	Z	0	b	*	-	21	10	*	-	
	Wisby ...	30.84	26	Z	0	b	30.71	-20	24	23	+1	Z	0	b	*	-	30	18	*	-	
	Karlstad...	30.80	16	E	2	0	30.70	-21	14	13	-2	N	2	0	*	-	*	*	*	-	
	Färder (X'ania Fjörð)	30.75	22	NE	2	0	30.63	-22	19	18	-2	NE	4	0	2	-	22	18	*	0.04	
	Bodö ...	30.35	39	SSE	1	b	30.33	-22	31	28	-5	E	2	0	2	-	39	30	*	-	
BRITISH ISLANDS.	Christiansund ...	30.46	32	E	2	b	30.38	-20	33	31	+1	Z	0	0	3	-	34	28	*	-	
	Skudesnaes ...	30.48	35	SE	4	0	30.45	-09	31	30	-5	SSE	6	0	4	-	37	30	*	-	
	Sumburgh Head ...	30.15	40	SSE	5	0	30.17	-05	43	41	+3	S	3	0	6	0	43	39	*	0.05	
	Stornoway ...	30.04	41	SW	3	0	30.08	+08	43	40	0	S	5	0	5	0	44	37	0.0	-	
	Malin Head ...	30.01	36	S	2	b	29.98	00	40	40	+2	S	5	0	2	0	40	33	*	-	
	Blacksod Pt. ...	29.96	42	SE	4	0	29.89	-05	44	43	+1	ESE	5	0	4	0	44	39	*	-	
	Valencia...	29.91	47	SE	5	0	29.81	-18	48	46	+10	SE	6	0	5	0	49	38	0.0	0.15	
GERMANY, &c.	Roche's Point ...	30.02	46	S	3	b	29.93	-10	47	46	+10	SSE	5	0	4	0	47	34	*	0.01	
	Parsonstown ...	30.02	40	ESE	2	b	29.97	-05	43	42	+8	SE	3	0	*	0	44	35	5.8	0.01	
	Donaghadee ...	30.07	44	S	3	0	30.07	+03	44	44	+2	S	3	0	3	0	44	37	*	0.05	
	Liverpool Obsy. ...	30.15	35	SE	3	0	30.18	+05	36	35	+3	SE	2	0	?	0	36	33	*	-	
	Holyhead ...	30.11	41	S	1	cm	30.10	-06	40	39	0	SE	1	0	1	0	43	38	*	-	
	Pembroke (St. Ann's) ...	30.09	45	ESE	4	m	30.06	+02	45	44	+2	ESE	4	0	4	0	45	41	0.3	-	
	Scilly (St. Mary's)...	30.06	49	SSE	3	0	30.01	-01	47	45	+2	SE	5	0	3	0	53	43	7.0	-	
FRANCE.	Jersey (St. Aubins)...	30.20	44	ESE	2	of	30.17	+03	45	44	+1	SE	4	0	3	0	45	43	0.0	0.04	
	Portland Bill ...	30.17	45	ESE	1	bf	30.14	+02	45	40	+2	SE	1	0	1	0	45	43	*	0.01	
	Dungeness ...	30.21	44	SSW	3	0	30.21	+05	43	42	+3	S	3	0	2	0	44	39	*	0.18	
	Wick ...	30.10	40	S	4	0	30.14	+02	38	37	-2	S	2	0	3	0	42	34	*	-	
	Nairn ...	30.09	36	Z	0	b	30.15	+05	32	31	-7	Z	0	0	1	0	41	29	*	-	
	Aberdeen ...	30.17	40	S	2	0	30.20	00	40	39	0	S	2	0	3	0	41	38	0.0	0.06	
	Leith ...	30.13	37	ESE	1	0	30.16	+04	36	36	+1	ESE	1	0	*	0	39	33	*	-	
SPAN. PEN.	North Shields ...	30.15	36	SSW	2	0	30.20	+05	33	33	-3	SSW	2	0	3	0	38	31	*	0.01	
	Spurn Head ...	30.17	36	SSE	4	f	30.22	+02	39	38	+2	SE	3	0	3	0	39	35	*	0.08	
	Yarmouth ...	30.20	39	SSE	4	odm	30.23	+01	39	39	+2	SSE	3	0	4	0	39	35	*	0.07	
	Loughborough ...																				
	Oxford ...	30.22	36	E	1	f	30.21	+05	36	35	+2	SE	1	0	?	0	37	34	*	-	
	London (Brixton) ...	30.20	39	Z	0	odf	30.21	+05	39	38	+4	Z	0	0	?	0	40	35	0.0	0.02	
	The Scaw (Skagen) ...	30.67	31	SSE	2	b	30.56	-22	32	31	+2	S	3	0	1	0	32	28	*	-	
GERMANY, &c.	Fanö ...	30.53	23	ESE	6	b	30.48	-16	19	17	-4	SE	2	0	*	0	28	19	*	-	
	Cuxhaven ...	30.51	23	SE	6	b	30.46	-13	18	17	+1	SE	3	0	*	0	25	17	*	-	
	The Helder ...	30.30	29	SE	2	0	30.30	-04	31	31	+7	SSE	1	0	1	0	31	24	*	-	
	Brussels...	*	*	*	*	*	30.33		35	34		SE	3	0	*	0	36	27	*	0.04	
	Berlin ...	30.67	22	SE	3	b	30.60	-16	15	15	+4	SE	2	0	*	0	25	11	*	-	
	Frankfurt ...	30.50	22	SE	2	b	30.48	-02	21	19	+3	E	2	0	*	0	28	18	*	-	
	Munich ...	30.48	9	E	2	b	30.47	+02	0	0	-4	E	3	0	*	0	16	0	*	-	
FRANCE.	C. Gris Nez ...	30.20	36	S	3	f	30.20	+06	37	35	+3	SSE	2	0	2	0	37	?	*	0.04	
	Brest ...	30.12	46	SE	2	m	30.05	-03	46	46	+3	E	3	0	4	0	54	41	*	-	
	Lorient ...	30.16	45	E	1	f	30.10	-01	47	46	+4	S	5	0	5	0	47	41	*	0.08	
	Rochefort ...	30.18	46	SSE	3	+	30.14	00	45	44	0	SE	4	0	*	0	46	41	*	0.16	
	Biarritz ...	30.24	47	E	3	+	30.16	00	43	42	-3	ESE	2	0	3	0	50	43	*	0.08	
	Paris ...	30.29	39	SSE	2	0	30.30	+04	37	37	+1	SSE	2	0	*	0	40	36	*	0.04	
	Belfort ...	30.45	24	ENE	3	m	30.42	-03	27	26	+9	ENE	3	0	*	0	27	18	*	-	
SPAN. PEN.	Lyons ...	30.41	37	SE	1	0	30.41	+03	35	34	-1	SSE	1	0	*	0	41	?	*	-	
	Nice ...	30.47	37	Z	0	0	30.45	-02	35	30	-1	E	1	0	4	0	41	34	*	-	
	Perpignan ...	30.34	48	SE	1	+	30.34	+04	47	46	+1	S	1	0	*	0	50	45	*	0.75	
SPAN. PEN.	Corunna ...																				
	Lisbon ...																				
SPAN. PEN.	Azores (P. Delgada) ...	30.38	53	NNW	4	b	30.41	+27	55	49	+2	W	4	0	3	0	61	50	*	-	
	" (Horta) ...	30.38	53	WNW	3	b	30.36	+20	57	51	+5	SW	4	0	3	0	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 *Monday 19th January, 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 →

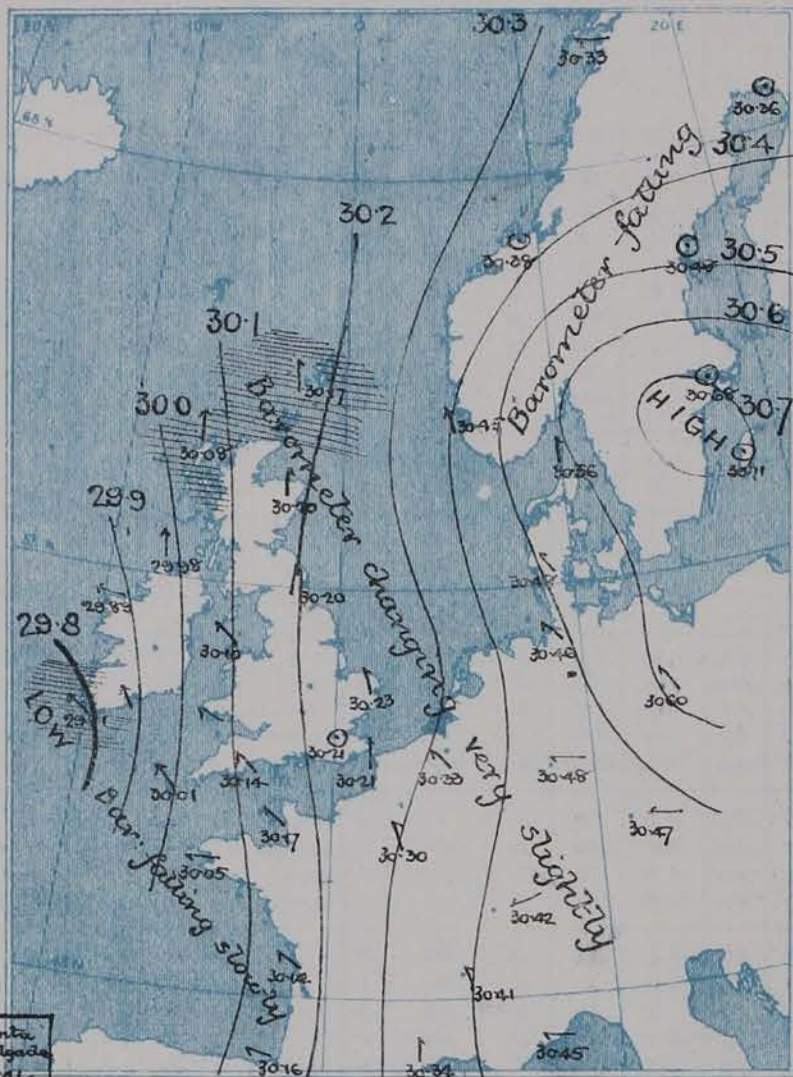
Force 1 to 4 →

Calm ☉

Force 8 to 10 →

SEA—Rough

High



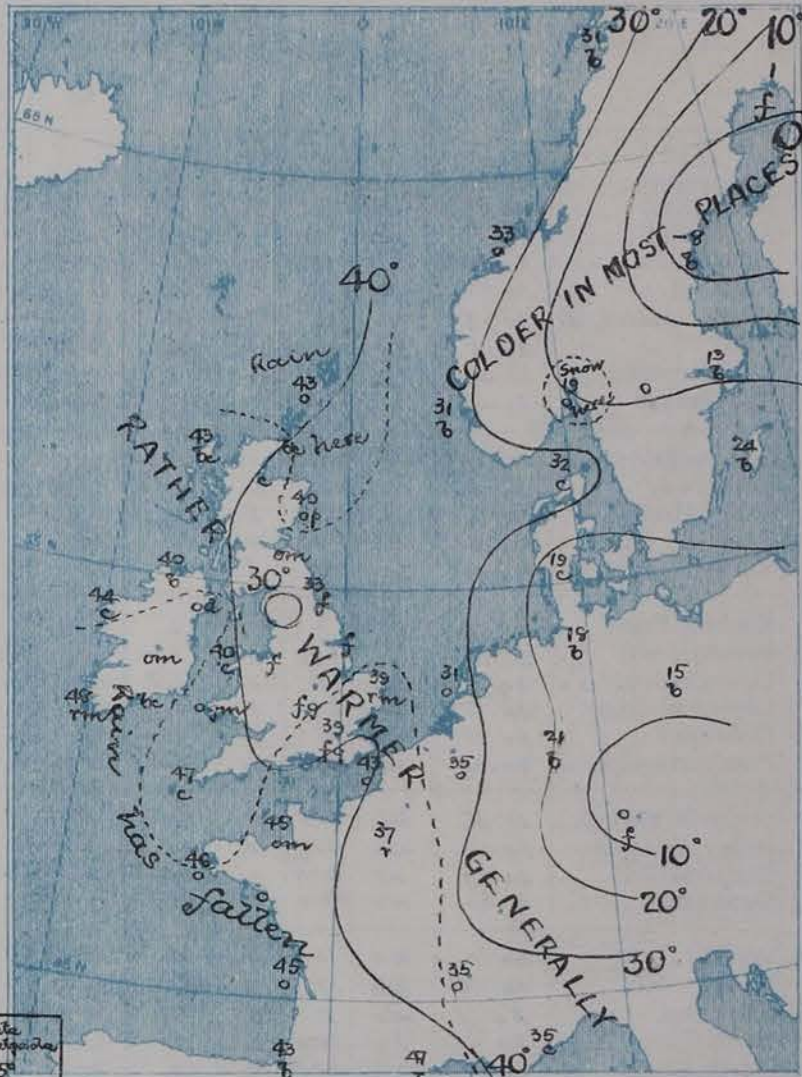
Punta Delgada
30.41
W 4

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



Punta Delgada
55°

III BAROMETER AND WIND

Yesterday morning.



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



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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Barometrical pressure is still highest, 30.9 ins. and upwards, in the central part of an anticyclone lying over the Baltic and the south of Sweden, but the barometer is falling a little at most of the Scandinavian, Danish, and German stations, as well as on our own northeast coasts. The lowest pressures, 30.0 ins. and less, are found in the Hebrides and the west of Ireland, but the cyclonic area in that neighbourhood is apparently moving away, and the barometer is rising in the west and south of our Islands, and also in France.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind is SE⁴ or S⁴ over western Europe generally, light or moderate in force in most places but strong in Galloway and the Shetlands and also at Skudesnaes; on our own extreme southwest coasts, however, it is calm, or light from the NW. Calms are reported at all the Swedish stations. Temperature has risen over nearly the whole of Great Britain and France, and the frost has now disappeared from all parts of those countries, excepting the east of France; over the central parts of England however, the readings are only slightly above 32°. In the north of Scotland the readings range between 40° and 43°, but in the central and southern parts of Ireland where the thermometer has fallen, they are below 40°. In Scandinavia and Denmark the frost has intensified, and on the shores of the Gulf of Bothnia the readings are now below zero. The weather is dull in most parts of our Islands and France, with rain in several places, and with fog at Rocher Point and Jersey. Over Scandinavia, Denmark, Germany, and the Netherlands the weather is mostly fine. The sea is moderate or slight generally, but rather rough at Wick and high at Lumburgh Head.

During yesterday the thermometer rose to 45° and upwards on our extreme west and southwest coasts, and to 50° at Scilly; over the inland parts of England, the maxima occurred during the night, when the thermometer rose to 35° and upwards in most places. Rain fell yesterday in the west and north of our Islands generally, and also in the west of France, and sleet or hail in the east and south of England. A silver thaw occurred in London in the evening.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS *

For the 24 hours ending at NOON on 19th JANUARY

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

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. Ins. Change.	Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	bc, c	37	32	3.0	0.09
Newton Reigny (Penrith)												*				
Bath	30.05	33	NE 3	0	30.14	+0.6	35	35	+5	SE 1	0	*	37	30	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....	35	27	0, c	0.0	—	Eastbourne,	0	0	*	*	*
Rhyl,	*	*	*	*	*	Hastings	*	*	*	0.0	*
Llandudno	*	*	*	0.5	*	Lowestoft, to 6 p.m. <i>Not recd.</i>					
Aberystwyth, to 6 p.m. <i>Not recd.</i>						Harrogate, to 6 p.m. ...	31	26	0	0.0	—
Plymouth, to 9 p.m....	45	40	02, 0	0.0	0.13	Manchester, to 9 p.m. ...	35	28	0	0.0	—
Worthing	*	*	*	0.0	*	Darwen, to 9 p.m. <i>Not recd.</i>					
Brighton	*	*	*	*	*	Birmingham, to 9 p.m. ...	32	24	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. 17. 1. 03	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max. °	Min. °				Max. °	Min. °		
Madeira (Funchal)	63	50	h	6	Algiers	59	54	c	0
Madrid <i>Not recd.</i>				0.47	Tunis	63	43	0	c
Corsica (I. Sanguinaires) ...	50	39	f	?	Vienna	27	9	6	6
Rome	46	34	6	6	St. Petersburg... ..	25	19	5	0
Florence	39	33	6	6					
Trieste	34	27	6	6	Lugano	34	—	0	—
Naples	41	34	6	6	Davos	18	—	6	—
Palermo	55	40	0	0	Lucerne	19	—	0	—
Malta	60	50	?	0	Lausanne	23	—	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.

	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.

18. 1. 1903	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	7.55	12.3	4.11
Greenwich	7.59	12.10	4.23
Wick	8.48	12.22	3.57
Valencia	8.41	12.51	5.2

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DAILY WEATHER REPORT

for 8 a.m. on *Tuesday, 20th January, 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.	Ins.	Dry Bulb. °	Force (0 to 12.)		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.)	Max.			Min.				
SCANDINAVIA.	Haparanda ...	30.17	5	2	0	0	30.06	-.30	15	14	+14	NW	2	c	*	—	15	-9	*	—	
	Hernösand ...	30.33	-6	2	0	0	30.36	-.12	4	3	+12	2	0	b	*	—	4	-8	*	—	
	Stockholm ...	30.52	21	2	0	0	30.45	-.23	16	15	+3	W	2	b	*	—	21	7	*	—	
	Wisby ...	30.58	29	E	2	0	30.49	-.22	25	24	+1	N	4	0	*	—	32	18	*	—	
	Karlstad ...	30.55	19	NE	2	0	30.54	-.16	9	8	-5	N	2	b	*	—	*	*	*	—	
	Färder (X'ania Fjord) ...	30.63	25	NNE	2	0	30.54	-.09	19	19	0	N	4	f	2	—	25	19	*	—	
	Bodö ...	30.18	38	SW	6	+	30.37	+0.04	37	35	+6	SSW	4	f	2	—	38	30	*	0.20	
	Christiansund ...	30.38	39	2	0	0	30.51	+0.13	37	35	+4	ESE	1	0	3	—	39	33	*	—	
Skudesnaes ...	30.50	31	S	2	0	30.51	+0.06	28	27	-3	SSE	2	b	2	m, b	32	25	*	*		
BRITISH ISLANDS.	Sumburgh Head ...	30.25	42	S	2	0	30.31	+0.14	41	40	-2	SSE	1	+	4	0	43	39	*	0.08	
	Stornoway ...	30.12	42	SSE	3	0	30.20	+0.12	43	41	0	SE	4	0	4	0	45	37	0.0	—	
	Malin Head ...	30.04	41	S	5	bc	30.18	+0.20	41	40	+1	S	5	3m	4	bc	42	38	*	—	
	Blacksod Pt. ...	29.96	45	SE	5	cp	30.16	+0.27	43	42	-1	2	0	c	2	cp	46	40	*	0.01	
	Valencia ...	29.94	46	S	1	C	30.16	+0.31	43	42	-5	ESE	1	c	4	7, c	50	40	0.0	0.42	
	Roche's Point ...	29.95	48	SE	5	0	30.15	+0.22	48	47	+1	ESE	3	ogm	2	0	48	45	*	0.06	
	Parsonstown ...	30.00	47	SE	3	0	30.18	+0.21	46	45	+3	ESE	1	om	*	og	48	43	0.0	—	
	Donaghadee ...	30.14	45	S	2	om	30.25	+0.18	44	43	0	S	2	0	2	om	45	42	*	0.02	
Liverpool Obsy. ...	30.17	40	SE	3	0	30.27	+0.09	38	38	+2	SE	1	0	?	of	40	35	*	0.03		
Holyhead ...	30.12	42	S	1	cp	30.23	+0.13	41	41	+1	2	0	of	0	c, cp	43	39	*	0.03		
Pembroke (St. Ann's) ...	30.06	44	ESE	5	0	30.18	+0.12	43	42	-2	E	5	og	4	om	47	43	0.0	—		
GERMANY, &c.	Scilly (St. Mary's) ...	29.95	50	SSE	5	+	30.08	+0.07	47	46	0	NE	1	c	5	0, r	52	45	0.0	0.17	
	Jersey (St. Aubins) ...	30.16	45	SE	4	om	30.23	+0.06	44	44	-1	SE	4	om	3	og, omg	45	44	0.0	0.02	
	Portland Bill ...	30.15	45	SE	2	0	30.20	+0.06	45	44	0	ESE	2	c	1	p, o	46	44	*	0.02	
	Dungeness ...	30.23	44	S	3	odp	30.29	+0.08	42	41	-1	ESE	2	c	2	odp	44	41	*	0.07	
	Wick ...	30.21	40	S	3	bc	30.27	+0.13	39	38	+1	S	2	bc	2	—	42	37	*	—	
	Nairn ...	30.19	29	2	0	b	30.28	+0.13	22	21	-10	2	0	c	0	—	41	20	*	—	
	Aberdeen ...	30.25	41	SSE	1	0	30.34	+0.14	39	38	-1	SE	1	f	2	0	42	38	0.0	—	
	Leith ...	30.21	35	ESE	1	b	30.30	+0.14	34	34	-2	2	0	f	*	—	40	31	*	—	
North Shields ...	30.24	38	SSW	2	f	30.31	+0.11	40	40	+7	NW	1	f	2	f	40	31	*	—		
FRANCE.	Spurn Head ...	30.22	39	ESE	3	f	30.29	+0.07	39	39	0	SE	1	f	2	f	40	38	*	0.01	
	Yarmouth ...	30.23	40	SE	2	ofa	30.31	+0.08	40	39	+1	SSE	3	of	3	of	40	38	*	0.28	
	Loughborough ...	30.23	39	2	0	f	30.29	+0.08	37	37	+1	E	1	of	*	ofpd	40	35	*	0.03	
	Oxford ...	30.21	42	SSE	1	of	30.28	+0.07	40	40	+1	ESE	1	ogm	*	ogfwo	42	39	0.0	0.05	
	London (Brixton) ...	30.21	42	SSE	1	of	30.28	+0.07	40	40	+1	ESE	1	ogm	*	ogfwo	42	39	0.0	0.05	
	The Scaw (Skagen) ...	30.49	32	S	2	0	30.51	-.05	28	28	-4	ESE	3	m	1	—	32	27	*	—	
	Fanö ...	30.45	22	SE	2	b	30.45	-.03	22	18	+3	SE	1	m	*	—	27	19	*	—	
	Cuxhaven ...	30.43	26	SE	1	b	30.41	-.05	23	22	+5	SE	1	0	*	—	28	18	*	—	
The Helder ...	30.30	33	SSE	1	0	30.33	+0.03	34	33	+3	SSE	?	0	0	—	34	30	*	—		
SPAN. PEN.	Brussels ...	*	*	*	*	*	30.34	+0.01	35	33	0	ESE	1	0	*	—	39	34	*	—	
	Berlin ...	30.53	21	ESE	3	b	30.48	-.12	13	13	-2	SE	1	b	*	—	27	12	*	—	
	Frankfurt ...	30.44	26	E	2	b	30.45	-.03	20	19	-1	E	2	b	*	—	30	19	*	—	
	Munich ...	30.42	9	E	2	b	30.41	-.06	-1	-1	-1	E	2	m	*	—	16	-1	*	—	
	C. Gris Nez ...	30.23	41	S	4	+	30.25	+0.05	39	37	+2	E	2	0	1	—	43	37	*	0.32	
	Brest ...	30.04	47	SE	4	0	30.12	+0.07	45	43	-1	SE	3	f	5	—	48	45	*	0.20	
	Lorient ...	30.06	46	SE	5	+	30.16	+0.06	45	45	-2	SE	2	0	5	—	48	43	*	0.12	
	Rochefort ...	30.15	48	SE	3	0	30.17	+0.03	43	42	-2	SE	2	0	*	0	50	41	*	0.04	
Biarritz ...	30.19	54	SE	2	0	30.20	+0.04	46	46	+3	2	0	+	3	—	57	43	*	0.12		
SPAN. PEN.	Paris ...	30.29	38	S	1	+	30.30	.00	34	34	-3	SSE	1	0	*	—	44	34	*	0.08	
	Belfort ...	30.40	29	ENE	2	m	30.39	-.03	26	24	-1	ENE	2	m	*	—	31	25	*	—	
	Lyons ...	30.39	39	S	2	0	30.38	-.03	35	33	0	NNW	1	0	*	—	45	34	*	0.39	
	Nice ...	30.43	38	E	1	b	30.39	-.06	34	33	-1	E	1	b	2	—	45	30	*	—	
	Perpignan ...	30.32	47	E	2	0	30.23	-.11	47	46	0	2	0	+	*	—	49	45	*	1.10	
SPAN. PEN.	Corunna ...	30.24	48	WNW	3	b	30.29	+0.05	48	44	+5	NW	3	c	*	—	57	43	*	0.24	
	Lisbon ...	30.24	48	WNW	3	b	30.29	+0.05	48	44	+5	NW	3	c	*	—	57	43	*	0.24	
	Azores (P. Delgada) ...	30.37	60	SW	4	0	30.36	.00	60	59	+3	2	0	0	2	—	61	57	*	—	

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, 20th January, 1903.

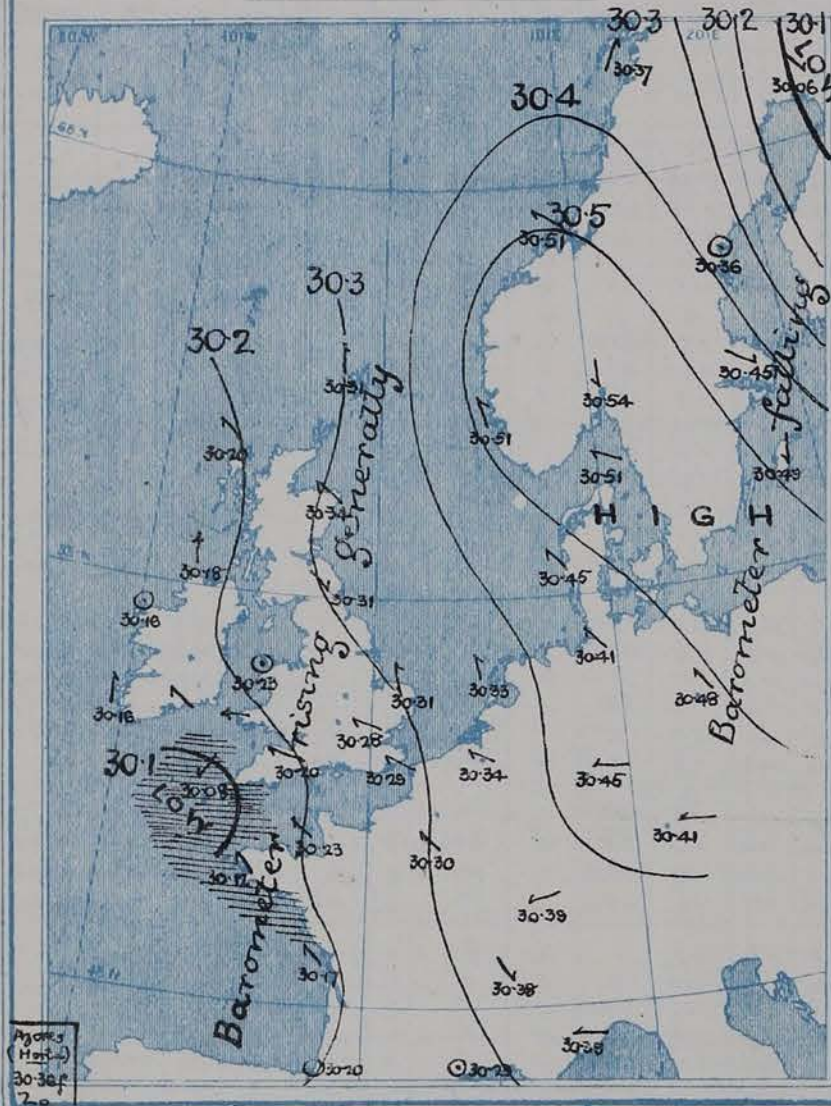
I. BAROMETER, WIND AND SEA. This Morning.

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

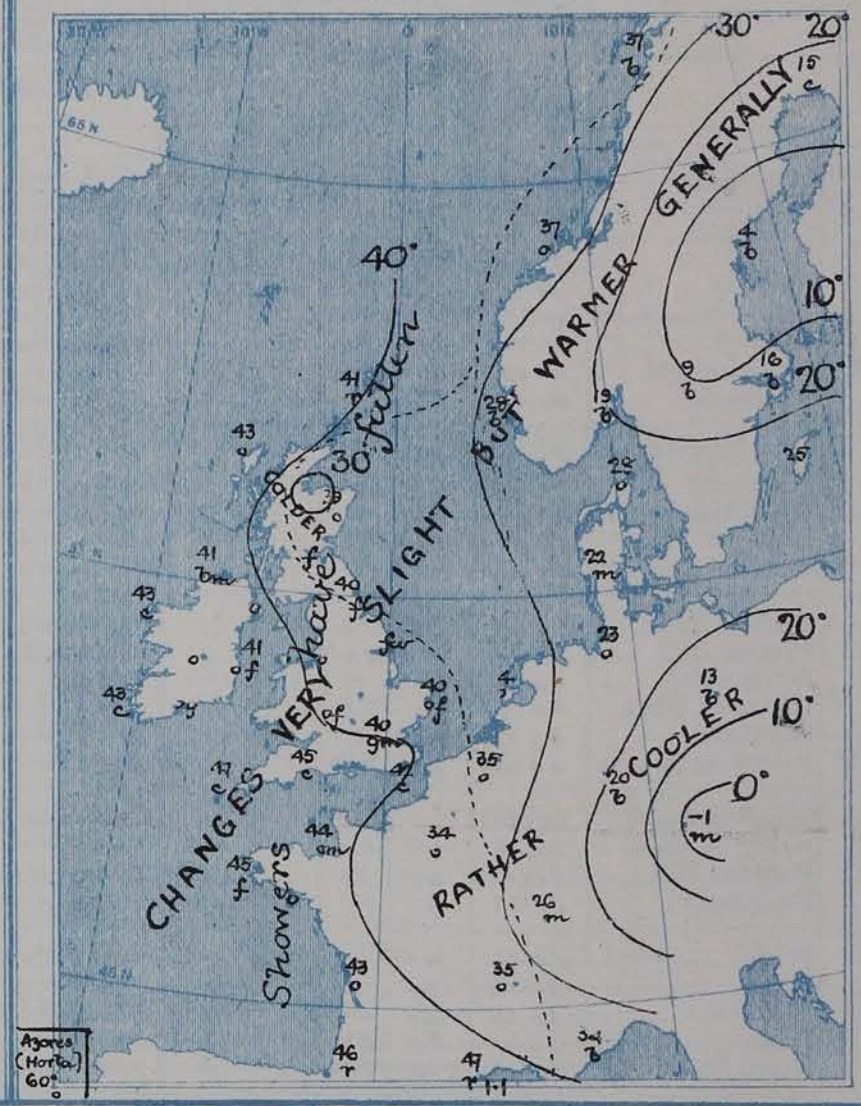


II. TEMPERATURE AND WEATHER. This Morning.

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

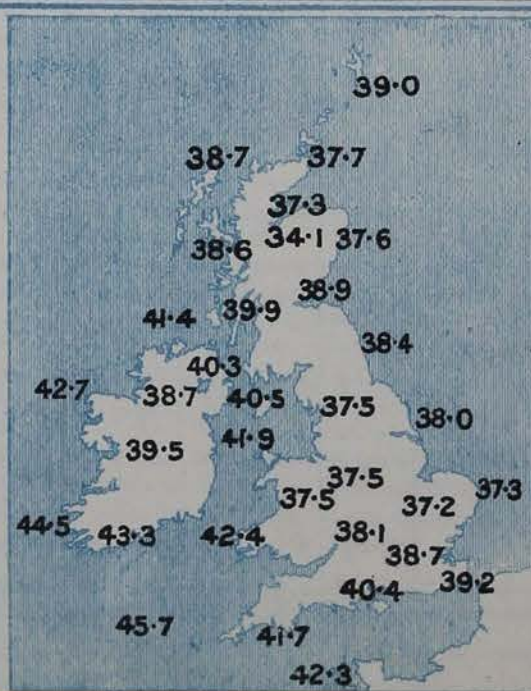


III. BAROMETER AND WIND

Yesterday morning.



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



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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Barometric pressure is still highest in an anticyclone over Scandinavia, but is now lowest off the south-west of Ireland. The actual readings range from 30.71 in. at Wisby to 29.81 in. at Valencia. The mercury is rising slightly in Scotland, falling in most other localities, the change being more decided in the region of the highest pressure and on our south-west coasts than elsewhere. Gradients are at present slight.

WIND

TEMPERATURE

WEATHER

AND

SEA

S^W or S.E.^W winds prevail in nearly all parts of Northwestern Europe; they are very light in force as a whole, but blow freshly or strongly at several of our extreme western stations and also in the south-west of Norway. Over Sweden calms prevail. Temperature has risen a little in most parts of England, quickly in the south of Ireland, and changed rather irregularly in Scotland. It varies from 48° at Valencia and 47° at Scilly to 45° at Aberdeen and Holyhead, 32° at Nairn and to 28° at Newton Reigny. Over the Continental portion of our area the reading range from 47° at Perpignan and Lorient to 37° at Paris, 15° at Berlin, 0 (zero) at Munich and 8° below zero at Helsingfors.

The weather is fine in many Scandinavian and German localities but foggy at Munich and Aachen. Over our Islands and France it is very cloudy or overcast, with rain in places and fog or mist over England. The sea is rough off the north of Scotland, rather so at Valencia, moderate to smooth elsewhere.

During yesterday a maximum temperature of 53° was registered at Scilly, and in all parts of our Islands the readings were higher than on the preceding day. Slight rain was experienced in different parts of the Kingdom, and, excepting on the coast of North Wales and in the Scilly Isles, the weather was very gloomy, with fog over England.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone over Scandinavia appears to be dispersing gradually, while a cyclonic disturbance of no great depth seems to be spreading over our south-west coasts and the Bay of Biscay. Damp, misty weather, with occasional rain is probable generally, and cold rain or sleet in the extreme north.

FORECASTS *

For the 24 hours ending at NOON on 20th January, 1903

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	} S ^W winds, light or moderate; cloudy or dull, some rain or sleet.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	} S ^W and S.E. ^W winds, light or moderate; dull, misty or foggy, some rain.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	} S ^W and S.E. ^W winds, moderate or fresh; cloudy or dull, some rain or sleet.
7	ENGLAND N.W.	
8	ENGLAND S.W.	} S.E. ^W winds, freshening; dull generally, rain in many places.
9	IRELAND NORTH	
10	IRELAND SOUTH	} S.E. ^W winds, fresh or strong; dull, rain at times.

WARNINGS

At 7.10 p.m. yesterday to district 10 and part of 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. Ins. Change.	Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	f	*	m, f	40	36	0.0	0.16
Newton Reigny (Penrith)	30.15	36	SE 1	0	30.19	28	27		2 0	m	*	om	36	28	0.0	-
Bath	30.17	37	E 1	0	30.17 +0.3	37	37	+2	E 2	0	*	-	39	34	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....	38	33	0, c	0.0	-	Eastbourne, to	0	0	*	0.0	*
Rhyl,	*	*	*	2.5	*	Hastings	*	*	*	0.0	*
Llandudno	*	*	*	1.2	*	Lowestoft, to 6 p.m. <i>Not rec'd</i>					
Aberystwyth, to 6 p.m. ...	41	36	0, 0	0.0	0.02	Harrogate, to 6 p.m. ...	33	30	om, 0	0.0	0.07
Plymouth, to 9 p.m. <i>Not rec'd</i>						Manchester, to 9 p.m. ...	39	33	0, 75	0.0	0.12
Worthing	*	*	*	0.0	*	Darwen, to 9 p.m. <i>Not rec'd</i>					
Brighton	*	*	*	0.0	*	Birmingham, to 9 p.m. ...	35	32	m, 0, f	0.0	-

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

STATIONS. 18. 1. 03	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max. °	Min. °				Max. °	Min. °		
Madeira (Funchal)	<i>Information not yet rec'd</i>			Ins.	Algiers				Ins.
Madrid					Tunis				
Corsica (I. Sanguinaires) ...					Vienna				
Rome					St. Petersburg... ..				
Florence						1 p.m.		1 p.m.	Measured 7 a.m.
Trieste					Lugano 17. 1. 03	32	—	6	—
Naples					Davos	18	—	6	—
Palermo					Lucerne	21	—	0	—
Malta... ..					Lausanne	25	—	0	—

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.

19. 1. 1903	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
	h. m.	h. m.	h. m.
Yarmouth	7.54	12.4	4.13
Greenwich	7.57	12.11	4.25
Wick	8.46	12.23	4.0
Valencia	8.40	12.52	5.4

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 *Wednesday, 21st January 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° Fahr. 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)		Max.	Min.	Sun- shine. Hours	Rainfall. Ins.	
	Ins.	°					Ins.	Ins.	°	°											
SCANDINAVIA.	Haparanda ...	30.32	16	W	2	6	30.27	+2.1	21	21	+6	Z	0	0	*	-	23	3	*	-	-
	Hernösand ...	30.55	12	Z	0	6	30.47	+1.1	3	2	-1	Z	0	6	*	-	30	-4	*	-	-
	Stockholm ...	30.56	15	Z	0	6	30.58	+1.3	9	9	-7	Z	0	f	*	-	21	9	*	-	-
	Wisby ...	30.52	30	N	2	0	30.55	+0.6	30	29	+5	Z	0	f	*	-	30	16	*	-	-
	Karlstad ...	30.60	12	Z	0	6	30.62	+0.8	7	7	-2	N	2	0	*	-	*	*	*	-	-
	Færder (X'ania Fjord)	30.15	20	NNE	4	6c	30.54	0.0	25	24	+6	E	2	0	1	-	25	18	*	-	-
	Bodö ...	30.43	40	WSW	4	0	30.28	-0.9	39	39	+2	SW	6	7	3	-	40	36	*	0.08	-
	Christiansund ...	30.53	33	ESE	2	6	30.39	-1.2	29	28	-8	ESE	2	6	3	-	37	25	*	-	-
BRITISH ISLANDS.	Skudesnaes ...	30.55	26	Z	0	6	30.45	-0.6	31	29	+3	SE	6	6	3	6	32	25	*	-	-
	Sumburgh Head	30.32	43	SSE	2	0	30.09	-2.2	42	41	+1	SSE	4	0	6	0	43	40	*	0.09	-
	Stornoway ...	30.20	45	SSW	4	0	29.96	-2.4	45	43	+2	SSE	7	0	7	0	45	42	0.0	-	-
	Malin Head ...	30.20	43	S	3	cm	29.99	-1.9	43	42	+2	S	5	cm	3	0, cm	44	40	*	-	-
	Blacksod Pt. ...	30.15	45	SE	4	cm	29.92	-2.4	48	47	+5	S	7	cm	6	cm	48	43	*	-	-
	Valencia ...	30.15	46	SSE	2	0	30.05	-1.1	48	46	+5	S	4	og	4	cm, 0	48	40	2.0	-	-
	Roche's Point ...	30.19	47	SSE	3	c	30.15	0.0	47	46	-1	SSW	2	0	2	cp	48	44	*	0.02	-
	Parsonstown ...	30.20	45	SE	3	0	30.10	-0.8	43	41	-3	SE	1	0	*	0	48	40	0.0	-	-
GERMANY, &c.	Donaghadee ...	30.27	45	SSE	1	cm	30.15	-1.0	45	44	+1	S	2	og	2	cm	45	42	*	-	-
	Liverpool Obsy.	30.32	39	SE	1	0	30.27	0.0	36	36	-2	SE	2	m	7	-	41	35	*	-	-
	Holyhead ...	30.27	44	Z	0	6cf	30.22	-0.1	43	43	+2	S	1	cm	1	f, 6cf	45	38	*	-	-
	Pembroke (St. Ann's)	30.25	44	ESE	3	0	30.22	+0.4	46	45	+3	S	2	ogmro	2	-	46	42	1.7	-	-
	Scilly (St. Mary's)...	30.18	50	ESE	3	0	30.20	+1.2	49	47	+2	S	4	c	5	0	52	46	1.1	-	-
	Jersey (St. Aubins)...	30.27	44	ENE	2	6m	30.31	+0.8	42	41	-2	SE	1	f	1	of, 6m	45	35	0.8	0.01	-
	Portland Bill ...	30.27	44	E	2	0	30.28	+0.8	43	42	-2	ESE	1	f	1	c	46	42	*	0.01	-
	Dungeness ...	30.29	45	ESE	1	m	30.30	+0.1	41	39	-1	ESE	1	c	1	6c, m	46	39	*	-	-
FRANCE.	Wick ...	30.24	40	S	4	6c	30.04	-2.3	42	41	+3	S	3	6c	2	-	44	38	*	-	-
	Nairn ...	30.27	27	Z	0	6	30.08	-2.0	40	39	+18	SSW	1	6c	1	-	40	20	*	-	-
	Aberdeen ...	30.34	41	S	2	0	30.18	-1.6	42	40	+3	S	3	c	2	0	43	38	0.0	0.01	-
	Leith ...	30.30	38	E	1	0	30.18	-1.2	37	37	+3	Z	0	f	*	-	39	32	*	0.01	-
	North Shields ...	30.20	41	NW	1	of	30.25	-0.6	35	34	+5	W	2	f	2	of	42	34	*	-	-
	Spurn Head ...	30.32	39	SE	1	f	30.32	+0.3	38	38	-1	SSE	3	f	3	-	41	36	*	0.01	-
	Yarmouth ...	30.31	40	SE	2	c	30.33	+0.2	39	38	-1	SSE	3	f	3	c	41	38	*	0.01	-
	Loughborough ...																				
SPAN. PEN.	Oxford ...	30.34	38	E	1	of	30.33	+0.4	37	37	0	S	1	of	*	of, 7	41	36	*	0.01	-
	London (Brixton)	30.34	43	SSE	1	cm	30.31	+0.3	38	37	-2	ESE	1	ogm	*	gfw, 6	45	34	0.0	-	-
	The Scaw (Skagen)	30.52	28	E	1	c	30.50	-0.1	25	25	-3	SE	1	0	0	-	28	25	*	-	-
	Fanö ...	30.49	26	E	2	0	30.45	0.0	26	25	+4	E	1	0	*	-	27	19	*	-	-
	Cuxhaven ...	30.43	26	E	2	6	30.39	-0.2	21	21	-2	E	2	6	*	-	28	21	*	-	-
	The Helder ...	30.35	33	E	1	0	30.33	0.0	28	28	-6	E	2	6	2	-	37	28	*	-	-
	Brussels ...		*	*	*	*	30.34	0.0	30	30	-5	ESE	1	c	*	-	39	30	*	-	-
	Berlin ...	30.42	22	SE	1	6	30.41	-0.7	17	15	+4	SE	2	6	*	-	25	13	*	-	-
FRANCE.	Frankfurt ...	30.38	28	N	2	6c	30.36	-0.9	20	19	0	E	2	6	*	-	30	19	*	-	-
	Munich ...	30.34	9	Z	0	6	30.30	-1.1	3	3	+4	E	3	f	*	-	16	-1	*	-	-
	C. Gris Nez ...	30.28	41	E	3	6c	30.29	+0.4	37	35	-2	E	2	0	2	-	43	36	*	-	-
	Brest ...	30.23	47	E	2	0	30.27	+1.5	43	42	-2	E	2	6	3	-	54	43	*	-	-
	Lorient ...	30.24	46	ESE	1	c	30.31	+1.5	43	42	-2	E	3	c	5	-	50	39	*	-	-
	Rochefort ...	30.19	46	NE	2	c	30.22	+0.5	38	37	-5	ENE	3	6	*	6, c	54	36	*	-	-
	Biarritz ...	30.16	45	Z	0	m	30.23	+0.3	39	39	-7	Z	0	6c	5	-	48	39	*	0.32	-
	Paris ...	30.30	37	NNE	2	6	30.31	+0.1	28	28	-6	NNE	2	6	*	-	44	28	*	-	-
SPAN. PEN.	Belfort ...	30.32	28	ENE	2	m	30.35	-0.4	17	16	-9	ENE	3	f	*	-	36	17	*	-	-
	Lyons ...	30.30	42	N	1	+	30.33	-0.5	29	28	-6	NNW	1	6	*	-	45	29	*	-	-
	Nice ...	30.30	39	E	4	6c	30.23	-1.6	37	36	+3	E	2	c	4	-	46	34	*	-	-
	Perpignan ...	30.16	46	NE	4	+	30.18	-0.5	35	35	-12	NW	2	+	*	-	51	34	*	0.47	-
SPAN. PEN.	Corunna ...																				
	Lisbon ...	30.12	44	NE	4	+	30.13	-1.6	44	40	-4	N	4	6	*	-	50	41	*	0.83	-
	Azores (P. Dalgada)																				
SPAN. PEN.	" (Horta)	30.29	61	SW	3	0	30.15	-2.1	61	59	+1	S	5	0	3	-	63	59	*	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, 21st January, 1903.*

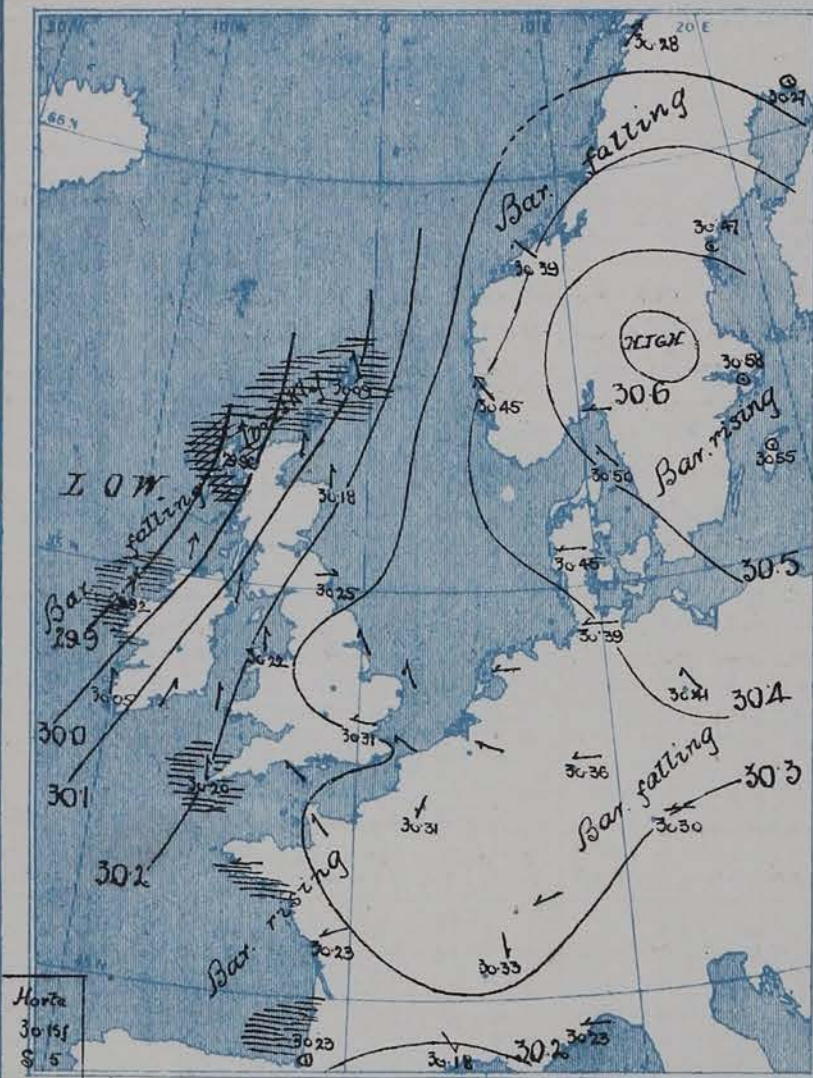
I. BAROMETER, WIND AND SEA. *This Morning.*

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 JANUARY. (1871-1900)



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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Barometric pressure is highest in an anticyclone lying over the southern parts of Scandinavia and the Baltic, and lowest in a shallow depression off our south-west coasts. The readings range from 30.54 ins. at Karlsbad and Færder to 30.08 ins. in the Scilly Isles. The mercury is rising over our area as a whole—most in Ireland—but falling a little in Sweden and the western parts of Germany. Gradients are slight.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind, which is light in force very generally, is mainly between E. and S.E. in direction, but draws into S. in the Shetlands, S.W. at Bodø, and into W. or N.W. in Sweden. Temperature is a little above the mean over the major portion of the United Kingdom, but is low, locally, at Nairn. At that station it is no higher than 22°, but elsewhere it ranges from 34° at Leith and 37° at Oxford, to 39° or 40° on the east coasts of Great Britain, 45° at Portland Bill, 46° at Parsonstown, and to 48° at Roche Point. Over the Continental part of our area it varies (1) from 47° at Perpignan to 34° at Paris and Nice, 13° at Berlin, and to 1° below zero at Munich; and (2) from 37° at Bodø and Christiansund to 16° at Stockholm, 9° at Karlsbad and to 4° at Helsingfors. The weather is fine and bright in most localities under the direct influence of the anticyclone and also at Nice; elsewhere the sky is very cloudy or overcast, with fog at many English stations and at Brest, and with rain at Biarritz and Perpignan. The sea is rather rough at Lillø and on the north-west coast of France, moderate to smooth elsewhere.

During the course of yesterday the thermometer registered maxima of 45° and upwards on our south and west coasts, the highest reading being 52° at Scilly. Slight frost occurred during the night in the north-east of England and severe frost at Nairn. Rain fell in most parts of England and Ireland, and, excepting over North Wales, scarcely any bright sunshine was recorded.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

It appears probable that the anticyclone over Scandinavia will extend more to the westward and that the weather over our Islands will continue quiet, with mist or fog in many places, and with a gradual decrease of temperature.

FORECASTS*

For the 24 hours ending at NOON on 21st January, 1903

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	S ^W or S.E ^W winds, light; fair generally, becoming colder. Mist or fog in places.
1	SCOTLAND EAST	
2	ENGLAND N.E.	S.E ^W or E ^W airs; dull, misty or foggy. Temperature falling later.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as Nos. 0 and 1.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Wind chiefly S.E ^W or S ^W ; fair as a whole, but mist or fog locally. Becoming rather colder.
9	IRELAND NORTH	
10	IRELAND SOUTH	

WARNINGS

At 9.35 a.m. to-day to district 10 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. 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	*	m, r	41	38	0.0	0.18	
Newton Reigny (Penrith)	30.19	38	SE 1	0	30.24	+0.05	35	35	+7	2 0	0	*	ogd	40	27	0.4	0.02	
Bath	30.16	42	E 2	0	30.26	+0.09	40	40	+3	NE 2	0	*	-	43	37	0.0	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....	43	34	ow, c, ow	0.8	0.03	Eastbourne,	*	*	*	0.0	*
Rhyl,	*	*	*	4.2	*	Hastings	*	*	*	0.0	*
Llandudno	*	*	*	5.6	*	Lowestoft, to 6 p.m. ...	40	38	odr	0.0	0.11
Aberystwyth, to 6 p.m. ...	47	40	0	4.0	-	Harrogate, to 6 p.m. ...	34	32	f	0.0	0.02
Plymouth, to 9 p.m....	48	43	owp	0.0	0.01	Manchester, to 9 p.m. ...	43	35	ow	0.0	-
Worthing	*	*	*	0.0	*	Darwen, to 9 p.m. ...	41	34	omu	0.0	-
Brighton	*	*	*	0.0	*	Birmingham, to 9 p.m. ...	39	33	f	0.0	0.01

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.		
19.1.03									
Madeira (Funchal)	63	50	b m	Ins.	Algiers	68	55	0 0	Ins.
Madrid	43	39	o o	-	Tunis	54	48	o o	-
Corsica (I. Sanguinaires) ...	54	43	f f	-	Vienna	25	9	b b	-
Rome	44	31	b o	-	St. Petersburg... ..	25	16	o o	-
Florence	37	26	b b	-	Lugano	1 p.m. not yet recd	1 p.m.		Measured 7 a.m.
Trieste	32	25	b b	-	Davos	-	-		
Naples	43	35	b b	-	Lucerne	-	-		
Palermo	53	39	m o	-	Lausanne	-	-		
Malta	53	50	? 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); 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.

20.1.1903	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	7.53	12.4	4.15
Greenwich	7.56	12.11	4.26
Wick	8.44	12.33	4.3
Valencia	8.39	12.52	5.5

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, 69, 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, 22nd January, 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.	Dirac.	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.
SCANDINAVIA.	Haparanda	30.28	12	Z	0	b	30.28	+01	15	14	-6	SE	2	c	*	-	21	12	*	-	
	Hernösand	30.33	0	Z	0	b	30.23	-24	-8	-10	-11	Z	0	b	*	-	14	-8	*	-	
	Stockholm	30.48	19	Z	0	f	30.27	-21	17	17	+8	W	2	0	*	-	19	9	*	-	
	Wisby	30.56	25	Z	0	f	30.41	-14	27	27	-3	Z	0	0	*	-	39	21	*	-	
	Karlstad	30.52	15	Z	0	f	30.32	-30	19	19	+12	NNE	2	0	*	-	*	*	*	-	
	Færder (X'ania Fjord)	30.48	24	SSE	1	0	30.30	-24	24	23	-1	W	2	0	1	-	25	23	*	-	
	Bodö	30.21	37	SW	1	0	30.02	-26	33	32	-6	E	1	b	1	-	39	32	*	-	
	Christiansund	30.24	38	ESE	2	b	29.99	-40	37	32	+8	E	4	0	4	-	37	26	*	-	
Skudesnaes	30.39	30	S	8	0	30.18	-27	32	30	+1	SSE	8	0	5	c, o	32	30	*	*		
BRITISH ISLANDS.	Sumburgh Head	29.94	43	SSE	4	0	29.64	-45	43	43	+1	S	4	+	5	0	43	42	*	0.24	
	Stornoway	29.83	42	W	4	+	29.59	-37	43	42	-2	SW	4	+	4	0, 7	46	38	0.0	0.37	
	Malin Head	29.92	45	SSW	6	079	29.68	-31	41	40	-2	SSW	5	0	4	0, 079, 7	45	40	*	0.19	
	Blacksod Pt.	29.93	45	SW	4	07m	29.74	-18	43	42	-5	W	5	07pm	4	7m, 07m	48	41	*	0.48	
	Valencia	29.99	48	SW	4	7m	29.82	-23	43	42	-5	NW	2	+	4	7m	50	41	0.0	1.02	
	Roche's Point	30.09	48	SSW	3	09	29.80	-35	44	44	-3	NW	4	+	4	09	48	43	*	0.90	
	Parsonstown	30.03	47	SE	2	0	29.79	-31	40	40	-3	SW	1	07	*	09	48	40	0.0	0.60	
	Donaghadee	30.07	46	SW	2	c	29.76	-39	45	44	0	SW	4	79	3	-	46	42	*	0.26	
Liverpool Obsy.	30.23	39	SE	2	0	29.95	-32	41	39	+5	SSE	3	0	?	f, 07m	42	36	*	-		
Holyhead	30.17	46	SSW	3	07m	29.85	-37	46	46	+3	SSW	7	79	5	29m, 07m	46	42	*	0.08		
Pembroke (St. Ann's)	30.20	46	S	4	0	29.93	-29	47	46	+1	S	6	07m	5	c, 09	48	45	0.2	0.02		
GERMANY, &c.	Scilly (St. Mary's)	30.21	51	SSW	4	c	29.96	-24	49	47	0	S	6	0	5	c	53	47	4.4	-	
	Jersey (St. Aubins)	30.35	43	ESE	2	07m	30.23	-08	41	40	-1	SE	3	c	3	07m, 07m	47	40	2.0	0.01	
	Portland Bill	30.30	45	ESE	1	c, m	30.14	-14	45	43	+2	SSW	2	c	1	c, c, m	46	42	*	-	
	Dungeness	30.34	41	Z	0	07m	30.23	-07	43	42	+2	SSW	4	07m	2	c, 07m	47	40	*	-	
	Wick	29.91	40	S	4	c	29.61	-43	43	42	+1	S	4	+	4	-	43	40	*	0.15	
	Nairn	29.93	44	SW	2	c	29.65	-43	42	40	+2	SW	1	c	1	-	45	38	*	0.01	
	Aberdeen	30.08	42	S	4	0	29.78	-40	42	41	0	S	5	79	3	0	44	40	0.0	0.07	
	Leith	30.07	44	SSW	3	c	29.76	-42	46	43	+9	S	4	07	*	-	46	36	*	0.01	
North Shields	30.19	38	S	2	f	29.92	-33	41	40	+6	SSW	3	f	2	f	41	33	*	-		
FRANCE.	Spurn Head	30.27	38	SSE	3	f	30.07	-25	39	39	+1	S	4	f	3	f	40	37	*	-	
	Yarmouth	30.32	40	SSE	2	c	30.19	-14	40	39	+1	S	3	c, m	3	07m, c	41	38	*	-	
	Loughborough																				
	Oxford	30.31	40	SE	1	0	30.14	-19	41	40	+4	S	2	07m	*	-	42	36	*	-	
	London (Brixton)	30.33	42	SE	1	07f	30.17	-14	42	41	+4	SSW	2	0	*	9f, 0	43	36	0.0	-	
	The Scaw (Skagen)	30.45	28	Z	0	0	30.32	-18	28	28	+3	W	1	0	0	-	28	25	*	-	
	Fanö	30.44	25	SE	2	0	30.34	-11	23	21	-2	SE	2	0	*	-	28	23	*	-	
	Cuxhaven	30.41	22	Z	0	b	30.33	-06	17	15	-4	SE	1	07m	*	-	23	16	*	-	
The Helder	30.35	30	E	2	0	30.25	-08	30	29	+2	SSE	1	0	0	-	30	28	*	-		
SPAN. PEN.	Brussels	*	*	*	*	*	30.32	-02	26	25	-4	SE	1	c	*	-	36	24	*	-	
	Berlin	30.45	18	SE	3	b	30.39	-02	12	11	-5	SE	1	b	*	-	25	10	*	-	
	Frankfurt	30.38	26	E	2	b	30.36	00	21	21	+1	ESE	2	c	*	-	32	20	*	-	
	Munich	30.35	9	SE	3	b	30.33	+03	5	5	+2	SW	1	7m	*	-	18	1	*	-	
	C. Gris Nez	30.32	40	ESE	1	0	30.20	-09	38	36	+1	SSW	3	0	2	-	43	36	*	-	
	Brest	30.32	44	SE	2	b	30.18	-09	47	46	+4	SE	3	0	4	-	47	43	*	-	
	Lorient	30.34	43	E	2	b	30.21	-10	44	44	+1	SE	3	c	4	-	50	36	*	-	
	Rochefort	30.29	43	NNE	2	b	30.26	+04	35	34	-3	SE	2	b	*	-	51	34	*	-	
Biarritz	30.32	45	Z	0	b	30.29	+06	38	38	-1	S	2	b	3	-	48	36	*	-		
SPAN. PEN.	Paris	30.35	33	NNE	2	b	30.33	+02	25	25	-3	NNE	1	f	*	-	38	25	*	-	
	Belfort	30.35	27	ENE	4	7m	30.36	+01	18	17	+1	Z	0	7m	*	-	33	18	*	-	
	Lyons	30.35	34	NNW	1	b	30.38	+05	22	22	-7	NNW	1	f	*	-	37	21	*	-	
	Nica	30.20	40	E	1	b	30.20	-03	39	31	+2	E	1	b	1	-	48	36	*	-	
	Perpignan	30.26	41	NW	3	0	30.25	+07	39	37	+4	Z	0	b	*	-	44	34	*	0.55	
	Corunna																				
	Lisbon																				
	Azores (P. Delgada) (Horta)	30.31	54	NNW	4	07c	30.44	+29	52	47	-9	NE	4	c	3	-	61	50	*	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, 22nd January, 1903.

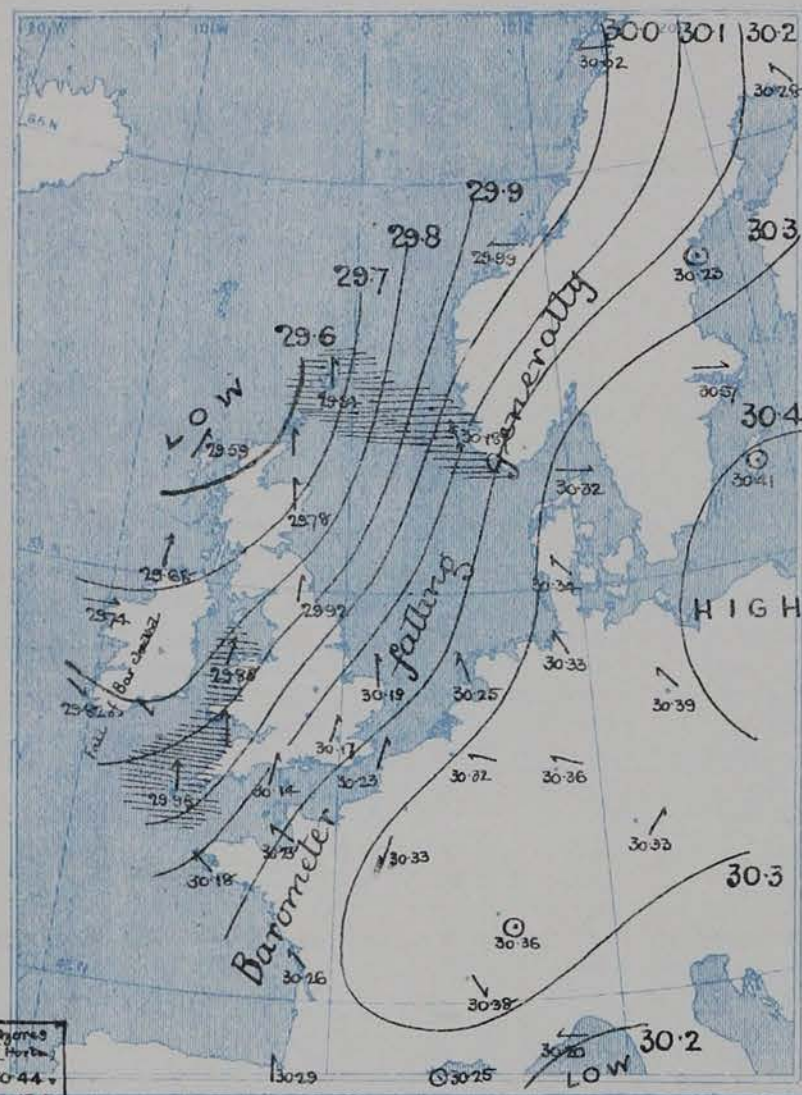
I. BAROMETER, WIND AND SEA. This Morning.

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

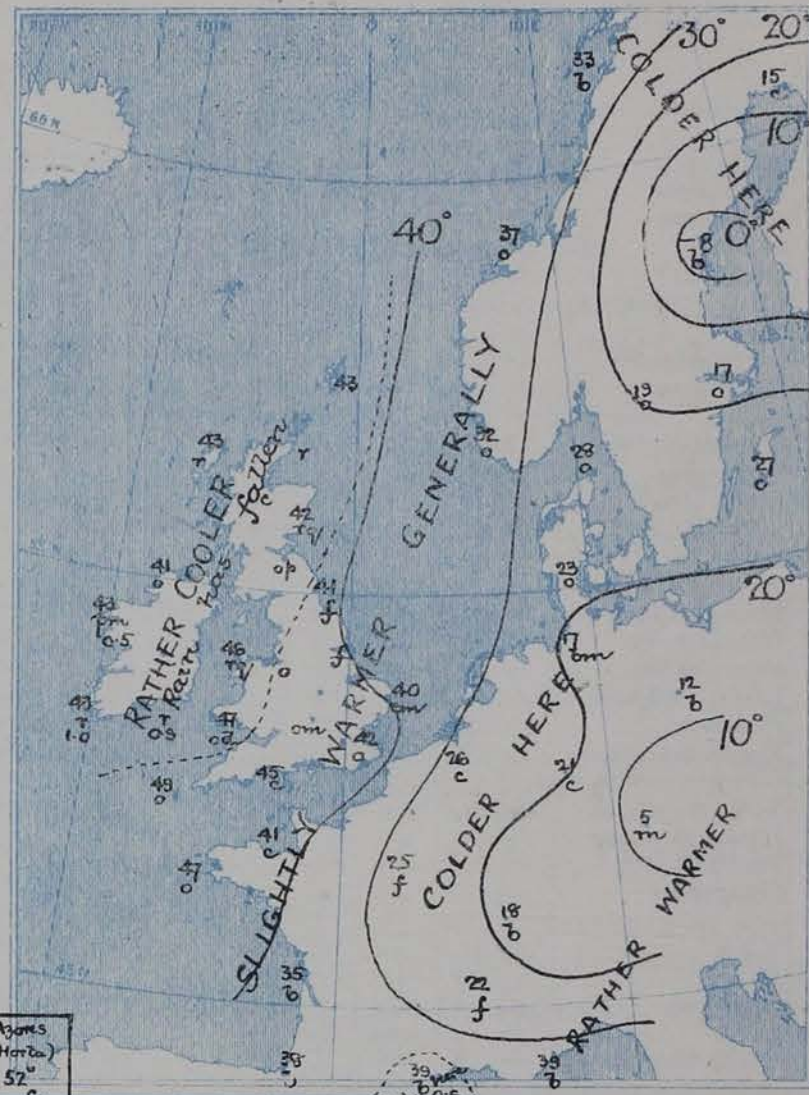


II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

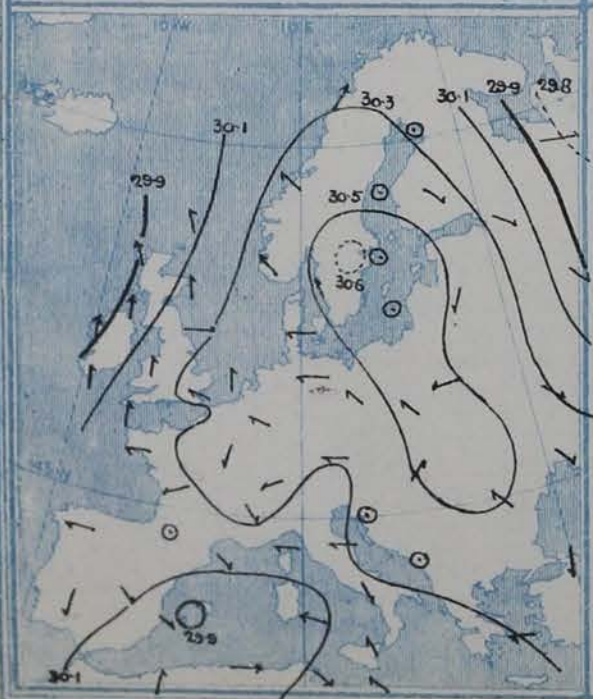
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

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 JANUARY. (1871-1900)



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

This morning's observations show that pressure is highest over the countries lying to the eastward of the North Sea, and lowest to the north-westward of our Islands, the readings ranging from 30.62 in. at Karlsstad and 30.41 in. at Berlin to 29.96 in. at Stornoway and 29.92 in. at Blackrod Point. In the latter region the barometer is falling fast, as a depression is passing in a north-easterly direction towards the Shetlands and Norway.

WIND

TEMPERATURE

WEATHER

AND

SEA

Over France the wind is light from E., and from S.E. and S. over the North Sea; at our extreme north-western stations a moderate gale from S. has set in, and at our western stations generally the wind is increasing from the same quarter. Temperature has increased over the western parts of the Kingdom, but decreased in the east and over France. Over the British Isles it ranges from 49° at Scilly and 45° at Stornoway to 35° at Shields; at the western and north-western stations the values are above the average. The weather is clear in Germany, very foggy over our Islands, overcast in the far west, and rainy at Blackrod Point, as well as at Bods. The sea is high on our most northern coasts, rough at Scilly and over the Bay of Biscay, smooth in the Channel, slight on our east coasts.

A little rainfall has been measured in the west and north-west, and a small quantity (mainly wet fog) in many parts of England. The highest temperature recorded was 52° at Scilly. There has been a little bright sunshine on the extreme south, south-west and west coasts, none elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The S^W wind will probably blow hard in the west before Thursday, with rain; in the east and north-east the wind will rise temporarily, with increased temperature, but no settled weather can be expected.

FORECASTS *

For the 24 hours ending at NOON on 22nd January, 1903

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

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

S^W to S.W^W winds, strong to a gale in west, increasing in east; milder, becoming rainy.

Wind shifting to the S^W or S.W^W, mist and fog clearing gradually and weather becoming milder, with some rain.

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


Same as Nos. 0 and 1.


S^W to S.W^W winds, increasing; cloudy or dull, some rain. Milder.

S^W to S.W^W or W^W strong winds or gales; squally, rain at times.

WARNINGS

At 9.30 am. to-day to districts 6, 10 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	*	*	*	*	*	*	*	*	*	*	C	*	0, C	42	39	0.0	—
Newton Reigny (Penrith)	30.28	37	SE 1	0	30.26	+0.02	38	37	+3	S 2	m	*	0.9m	40	33	0.0	—
Bath	30.30	41	NE 1	0	30.30	+0.04	39	39	-1	NE 1	0	*	—	43	37	0.0	—

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE F.		Weather.	Sunshine.	Rainfall.	STATIONS.	TEMPERATURE F.		Weather.	Sunshine.	Rainfall.
	Max.	Min.	(Beaufort.)	Hrs.	Ins.		Max.	Min.	(Beaufort.)	Hrs.	Ins.
Southport, to 9 p.m. ...	42	36	0, of	0.0	—	Eastbourne,	0	0	*	1.0	*
Rhyl,	*	*	*	0.3	*	Hastings	*	*	*	2.1	*
Llandudno	*	*	*	0.6	*	Lowestoft, to 6 p.m. ...	43	?	0, r	0.0	0.27
Aberystwyth, to 6 p.m. ...	48	44	c, m	2.5	—	Harrogate, to 6 p.m. ...	38	32	0, m	0.0	0.07
Plymouth, to 9 p.m. ...	48	46	0, d	0.0	—	Manchester, to 9 p.m. ...	45	38	0, f	0.0	—
Worthing	*	*	*	0.0	*	Darwen, to 9 p.m. ...	42	35	c, 0, m, of	0.0	—
Brighton	*	*	*	0.0	*	Birmingham, to 9 p.m. ...	40	37	f	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.		
20. JAN.									
Madeira (Funchal)	64	46	b, b	Ins.	Algiers	66	54	r, c	Ins.
Madrid	50	34	c, f	0.04	Tunis	Not recd.			
Corsica (I. Sanguinaires) ...	54	41	m, m	—	Vienna	21	5	b, b	—
Rome	45	28	b, c	—	St. Petersburg	19	14	b, 0	—
Florence	40	23	b, c	—		1 p.m.		1 p.m.	Measured
Trieste	37	28	b, 0	—	Lugano	32	—	b	7 a.m.
Naples	44	37	b, c	—	Davos	18	—	b	—
Palermo	56	39	0, 0	—	Lucerne	25	—	0	—
Malta	52	50	?, c	0.35	Lausanne	34	—	0	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.

	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.

21. JAN. 1903	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	7.52	12.4	4.16
Greenwich	7.55	12.11	4.27
Wick	8.42	12.23	4.5
Valencia	8.38	12.52	5.6

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 *Friday, 23RD January, 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	Weather.	Barometer.		Temperature.			Wind.		Force	Weather.	Sea	Temp.		Sun-	Rainfall.																		
																						At 32° and M.S.L.	Dry Bulb.	Dirac.	(0 to 12.)	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dirac.	(0 to 12.)	Weather.	(0 to 9.)	Weather.	Max.	Min.	Sun- shine. — Hours	Ins.
SCANDINAVIA.																																							
Haparanda	...	30.22	17	SE	2	b	30.08	-20	15	14	0	S	6	0	*	-	18	14	*	0.12																			
Hernösand	...	30.12	9	Z	0	f	29.95	-28	22	21	+30	SSW	4	0	*	-	22	-8	*	-																			
Stockholm	...	30.21	21	Z	0	0	30.03	-34	21	21	+4	S	2	0	*	-	21	14	*	-																			
Wisby	...	30.23	27	W	2	0	30.07	-34	27	26	0	Z	0	bc	*	-	32	21	*	-																			
Karlstad	...	30.16	24	SW	2	0	29.93	-34	23	23	+4	SE	2	S	*	-	*	*	*	-																			
Färder (X'ania Fjord)	...	30.09	28	SSW	5	0	29.74	-56	33	33	+9	SSE	6	S	3	-	33	23	*	-																			
Bodö	...	29.75	32	E	4	b	29.39	-63	29	24	-4	E	7	0	2	-	34	28	*	-																			
Christiansund	...	29.59	39	E	4	0	29.46	-53	37	36	0	WSW	4	+	5	-	39	36	*	-																			
Skudesnaes	...	29.80	33	S	11	0	29.64	-54	35	34	+3	Z	0	C	5	0	35	30	*	*																			
BRITISH ISLANDS.																																							
Sumburgh Head	...	29.37	41	WSW	4	+	29.41	-23	39	37	-4	WSW	4	0	6	+	43	37	*	0.40																			
Stornoway	...	29.47	37	W	4	S	29.51	-08	37	35	-6	WNW	4	b	4	TS, S	43	34	0.0	-																			
Malin Head	...	29.67	40	W	6	cq, p	29.80	+12	40	39	-1	SW	4	c	5	cq, p, h	42	36	*	0.20																			
Blacksod Pt.	...	29.77	41	W	5	b, p	29.90	+16	46	43	+3	W	4	bc, p	4	b, p, c	46	36	*	0.18																			
Valencia	...	29.95	44	WSW	5	bc	30.08	+26	45	43	+2	WSW	5	bc	5	op, bc	48	41	2.2	0.19																			
Roche's Point	...	29.94	41	NW	4	b	30.08	+28	43	41	-1	WNW	4	b	2	0, b	45	37	*	0.08																			
Parsonstown	...	29.86	38	SW	1	b	29.99	+20	39	38	-1	SW	1	c	*	0, b	42	34	0.0	0.14																			
Donaghadee	...	29.62	40	WNW	2	bc	29.87	+11	36	35	-9	W	2	b	2	-	46	34	*	0.17																			
Liverpool Obsy.	...	29.78	39	WNW	3	+	29.94	-01	39	37	-2	W	5	b	4	om, p	46	36	*	0.20																			
Holyhead	...	29.80	42	NW	6	c	29.97	+12	42	40	-4	W	6	bc	5	rq, c	46	39	*	0.72																			
Pembroke (St. Ann's)	...	29.92	45	NW	6	bc	30.06	+13	46	43	-1	WNW	6	bc, p	5	bc, bc	48	43	0.0	0.40																			
Scilly (St. Mary's)	...	29.93	47	NW	6	c	30.11	+15	49	47	0	W	5	c, p	5	7, c	52	45	0.0	0.23																			
Jersey (St. Aubins)	...	30.03	44	SSE	5	om	30.19	-04	44	41	+3	WNW	3	b	3	og, om, r	48	40	0.0	0.17																			
Portland Bill	...	29.88	47	SSW	4	+	30.09	-05	45	43	0	W	5	c	4	c, r	47	43	*	0.08																			
Dungeness	...	30.02	45	SSW	6	0	30.08	-15	35	35	-8	WNW	1	b	2	C, 0	46	33	*	0.08																			
Wick	...	29.46	38	S	3	0	29.53	-08	36	34	-7	NW	3	bc	3	-	42	33	*	0.03																			
Nairn	...	29.53	37	SW	2	c	29.62	-03	38	35	-4	W	3	bc	1	-	44	33	*	0.02																			
Aberdeen	...	29.57	40	WSW	3	+	29.65	-13	36	34	-6	WSW	3	b	2	+	43	34	0.0	0.20																			
Leith	...	29.63	39	SW	3	0	29.74	-02	37	35	-9	WSW	3	p, m	*	-	46	32	*	0.15																			
North Shields	...	29.66	44	SSW	3	+	29.79	-13	38	36	-3	WSW	3	b	2	f, om, p, r	44	34	*	0.10																			
Spurn Head	...	29.85	39	SSE	4	+	29.90	-17	37	36	-2	S	4	c	3	-	42	35	*	0.10																			
Yarmouth	...	29.93	42	SSW	4	cm	29.97	-22	35	33	-5	WSW	3	bc, m	3	c, cm	43	33	*	0.08																			
Loughborough	...														*				*																				
Oxford	...	29.85	44	S	3	+	30.05	-09	36	35	-5	WSW	3	b	*	or	45	34	*	0.15																			
London (Brixton)	...	29.94	44	SW	3	0	30.05	-12	36	33	-6	WSW	3	op	*	og, r, b	45	33	0.0	0.10																			
GERMANY, &c.																																							
The Scaw (Skagen)	...	30.10	27	SW	2	m	29.80	-52	33	33	+5	S	4	S	1	-	34	25	*	-																			
Fanö	...	30.02	29	SE	6	0	29.85	-49	30	30	+7	S	5	S	*	-	32	23	*	0.04																			
Cuxhaven	...	30.19	25	S	1	m	29.95	-38	28	28	+11	S	2	om, r	*	-	28	17	*	-																			
The Helder	...	30.03	32	S	2	b	29.90	-35	37	37	+7	NW	2	0	2	-	37	28	*	0.08																			
Brussels	...	*	*	*	*	*	30.04	-28	35	35	+9	W	2	+	*	-	38	25	*	0.08																			
Berlin	...	30.26	21	Z	0	b	30.09	-30	15	14	+3	SE	1	b	*	-	23	12	*	-																			
Frankfurt	...	30.25	24	SE	2	b	30.14	-22	18	18	-3	S	1	f	*	-	30	18	*	-																			
Munich	...	30.24	10	SE	1	b	30.16	-17	5	4	0	SE	2	b	*	-	19	3	*	-																			
FRANCE.																																							
C. Gris Ne	...	30.04	41	S	4	0	30.06	-14	40	38	+2	NW	4	b	4	-	43	38	*	0.12																			
Brest	...	29.98	48	NW	5	+	30.23	+05	47	44	0	NW	3	c	4	-	50	45	*	0.04																			
Lorient	...	30.03	50	S	5	0	30.24	+03	43	43	-1	W	3	b	4	-	52	41	*	0.35																			
Roche fort	...	30.14	46	SSE	3	c	30.18	-08	46	45	+11	WNW	4	c	*	C	50	34	*	0.20																			
Biarritz	...	30.17	48	Z	0	b	30.23	-06	50	50	+12	W	5	+	3	-	54	38	*	-																			
Paris	...	30.19	28	S	1	f	30.11	-22	35	35	+10	SSW	2	+	*	-	35	25	*	0.08																			
Belfort	...	30.23	28	ENE	2	m	30.17	-19	23	22	+5	WSW	4	m	*	-	37	18	*	-																			
Lyons	...	30.30	24	WNW	1	f	30.25	-13	25	25	+3	E	1	f	*	-	29	21	*	-																			
Nice	...	30.15	41	Z	0	b	30.15	-05	34	29	-5	E	1	b	2	-	50	34	*	-																			
Perpignan	...	30.18	43	Z	0	b	30.17	-08	36	34	-3	SW	1	0	*	-	55	34	*	-																			
SPAN. PEN.																																							
Corunna	...																		*	-																			
Lisbon	...	30.26	48	NNW	3	b	30.28	-02	42	41	0	N	2	b	*	-	52	39	*	-																			
Azores (P. Delgada)	...																		*	-																			
" (Horta)	...	30.55	52	E	4	b	30.47	+03	53	47	+1	SE	4	bc	3	-	57	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.

WEATHER CHARTS

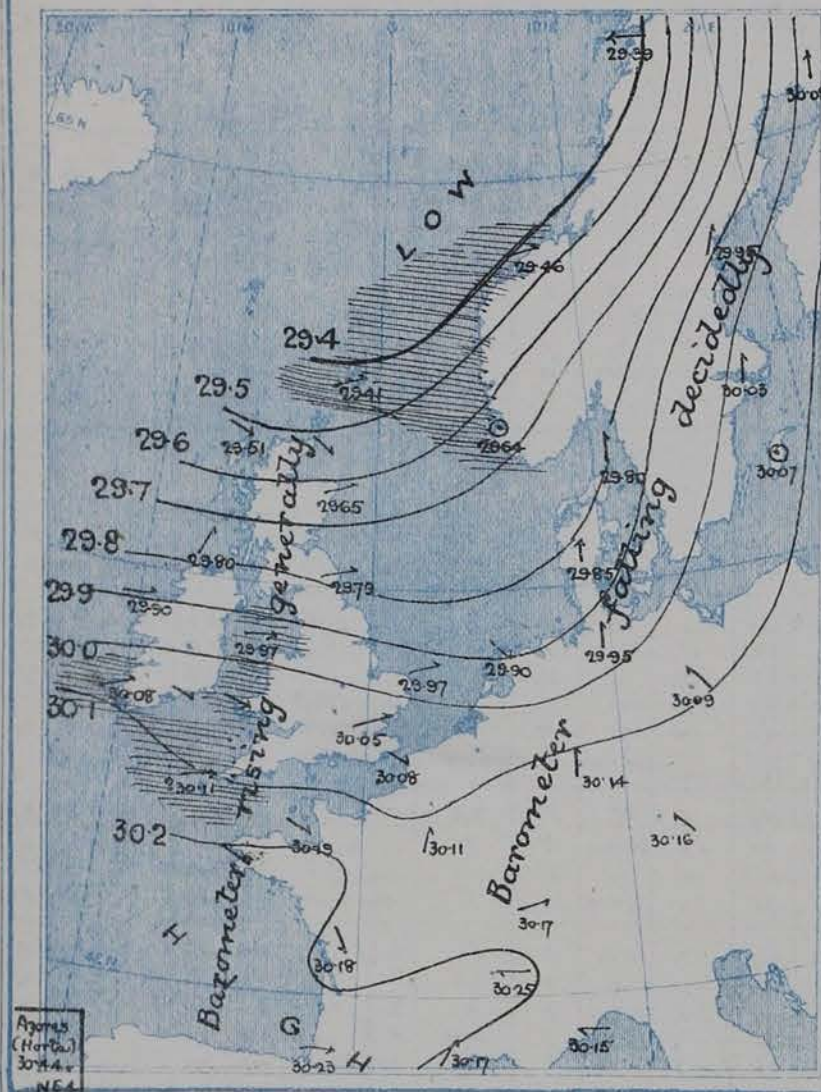
FOR Friday 23rd January, 1903.

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

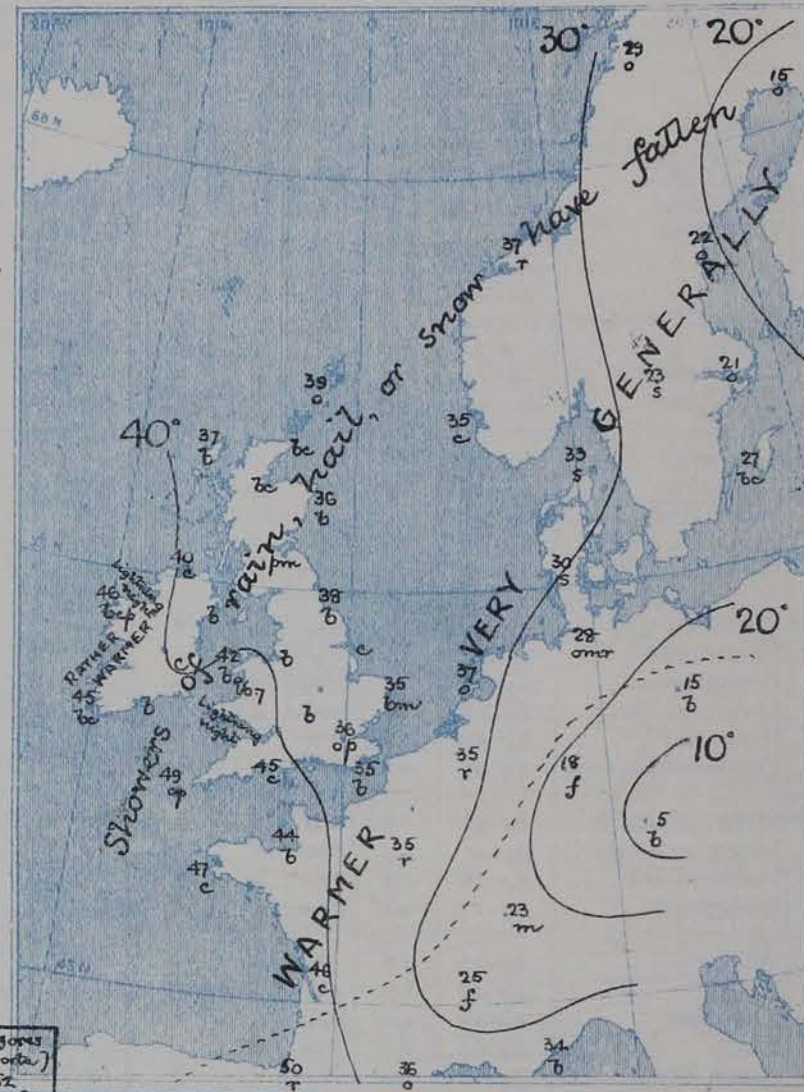


II. TEMPERATURE AND WEATHER, This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

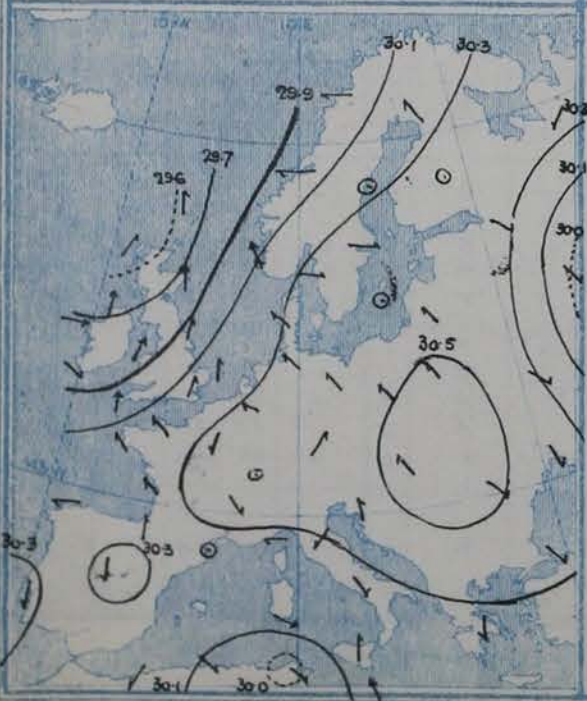
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

(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)

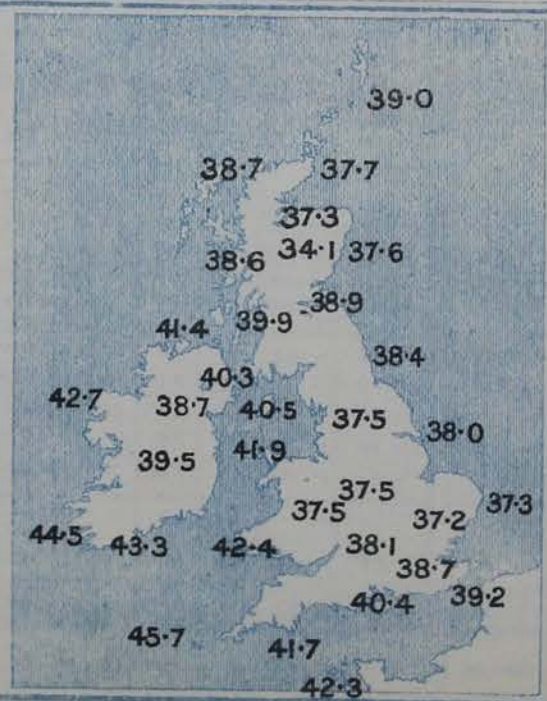


III. BAROMETER AND WIND

Yesterday morning



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



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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Barometrical pressure continues highest in an anticyclone lying over the Baltic and its neighbourhood and lowest off our north-west coasts, the actual readings ranging from 30.41 in. at Wisby and 30.39 in. at Berlin to 29.59 in. at Stromsøy and 29.80 in. in the south of Ireland. Pressure is still decreasing over the whole of North-western Europe - most in the north-west and north of our Islands. At Valencia the rate of decrease has become checked during the night.

WIND

TEMPERATURE

WEATHER

AND

SEA

S^{1/2} winds prevail throughout Great Britain and the north of Ireland and blow freshly or strongly at most western stations, but in the west and south of Ireland the wind has veered to W. or N.W. and moderated. Over the Continental portion of our area the prevailing current is S.E.^{1/2}; it has very little strength as a whole, but blows a fresh gale in the south-west of Norway. Temperature has risen in most localities, but fallen in Ireland and also in the north of Scandinavia. Over our Islands, where it is rather above the normal, it ranges from 49° at Scilly and 43° on our most northern coasts to 40° at Parsonstown and Yarmouth, and to 39° at Spurn Head. The Continental values range from 39° in the south of France and 33° at Bodø to 25° at Paris, 12° at Berlin, 5° at Munich, and to -8° at Herneford. The weather is very rainy over Ireland, Wales, and Scotland, cloudy or dull over England, with fog at Shields and Spurn Head. In many Continental localities the sky is clear, but much cloud prevails over the south of Scandinavia, and fog at Paris and Lyons. The sea is moderate to smooth except off our south-west and extreme northern coasts.

During yesterday the thermometer recorded a maximum reading of 53° at Scilly, but over our eastern districts the highest values were below 45°. Severe frost continued all day over Germany and Denmark. Rain has fallen at all our western and northern stations and at Perpignan - as much as 0.6 in. at Parsonstown, 0.9 in. at Roche's Point, and 1.0 in. at Valencia. Bright sunshine was very deficient except at Scilly; in most places there was none.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The cyclonic disturbance over our western and north-western districts will probably move in a north-easterly direction and cause the rain to extend to the eastern and southern parts of the Kingdom. It is likely to be followed by other low pressure systems, so that the weather will probably remain unsettled and rather mild generally.

FORECASTS *

For the 24 hours ending at NOON on 23rd January, 1903

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	S ^{1/2} and S.W ^{1/2} winds, moderate or fresh; dull, some rain. Rather mild.
1	SCOTLAND EAST	
2	ENGLAND N.E.	S ^{1/2} to S.W ^{1/2} winds, light or moderate; weather becoming unsettled, with some rain, and continuing rather mild.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	S ^{1/2} to S.W ^{1/2} or W ^{1/2} winds; mild and rainy, then cooler and drier.
7	ENGLAND N.W.	
8	ENGLAND S.W.	S ^{1/2} to S.W ^{1/2} or W ^{1/2} winds; some rain, then improving.
9	IRELAND NORTH	W ^{1/2} to S ^{1/2} winds, varying in force; changeable, some rain.
10	IRELAND SOUTH	

WARNINGS

The South Cone is still flying in districts 6, 10, and parts of 0 and 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. Ins. Change.	Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature		Sun- shine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	3c	*	c	40	38	0.0	0.03
Newton Reigny (Penrith) ...	30.16	41	SE 3	0	29.88 -38	40	39	+2	5 4	4	*	ognd	41	36	0.2	—
Bath	30.30	44	E 1	0	30.10 -20	44	43	+5	5 1	0	*	—	45	37	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....	41	36	of, o, dr	0.0	—	Eastbourne,	*	*	*	1.4	*
Rhyl,	*	*	*	0.5	*	Hastings	*	*	*	2.7	*
Llandudno	*	*	*	0.6	*	Lowestoft, to 6 p.m. ...	41	37	0	0.0	—
Aberystwyth, to 6 p.m. ...	48	44	c	1.5	—	Harrogate, to 6 p.m. ...	38	35	o, m	0.0	0.01
Plymouth, to 9 p.m. <i>Not Recd.</i>	*	*	*	0.0	*	Manchester, to 9 p.m. ...	41	35	o, 3c	0.0	—
Worthing	*	*	*	0.0	*	Darwen, to 9 p.m. ...	38	33	of, m	0.0	—
Brighton	*	*	*	0.5	*	Birmingham, to 9 p.m. ...	39	35	f, o	0.0	—

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

STATIONS. 21. 1. 03	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max. °	Min. °				Max. °	Min. °		
Madeira (Funchal)	64	48	b b	Ins.	Algiers	59	48	o c	Ins.
Madrid	50	28	c o	—	Tunis	59	50	o o	—
Corsica (I. Sanguinaires) ...	52	43	f f	0.24	Vienna	23	5	b b	—
Rome	46	35	b o	—	St. Petersburg... ..	27	16	b b	—
Florence	40	27	b c	—	Lugano ... 20. 1. 03	34	—	b	Measured 7 a.m.
Trieste	39	28	b b	—	Davos	21	—	b	—
Naples	46	37	b o	0.04	Lucerne	30	—	bc	—
Palermo	55	37	o o	—	Lausanne	36	—	o	—
Malta	55	51	? 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); 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.	Corres- ponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corres- ponding 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.

22. 1. 1903	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	7.51	12.5	4.18
Greenwich	7.54	12.12	4.29
Wick	8.40	12.24	4.7
Valencia	8.37	12.53	5.8

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.

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

DAILY WEATHER REPORT

for 8 a.m. on *Saturday, 24th January* 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° 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.
SCANDINAVIA.	Haparanda ...	30.06	10	SE	4	S	30.11	+0.3	2	2	-13	SE	4	S	*	—	30	2	*	0.12	
	Hernösand ...	29.84	23	Z	0	S	29.87	-0.8	18	17	-4	Z	0	0	*	—	25	9	*	0.32	
	Stockholm ...	29.92	28	Z	0	0	29.91	-1.2	29	29	+8	Z	0	f	*	—	29	19	*	0.16	
	Wisby ...	29.97	28	Z	0	0	29.97	-1.0	29	29	+2	SE	2	0	*	—	32	21	*	0.04	
	Karlstad ...	29.80	30	SW	2	0	29.90	-0.3	26	26	+3	Z	0	0	*	1.5	*	*	0.35		
	Færder (X'iania Fjord)	29.83	29	WNW	1	b	29.88	+1.4	27	27	-6	NE	2	f	2	—	36	27	*	0.12	
	Bodö ...	29.58	26	E	6	S	29.62	+2.3	31	28	+2	ENE	4	b	1	—	31	25	*	—	
	Christiansund ...	29.61	39	ESE	4	b	29.52	+0.6	38	32	+1	S	5	b	5	—	39	36	*	0.04	
	Skudesnaes ...	29.81	36	Z	0	C	29.69	+0.5	38	36	+3	SSE	6	0	5	bc, c	39	34	*	*	
	Sumburgh Head	29.61	38	WSW	3	bc	29.13	-2.8	45	43	+6	WSW	7	f	7	bc	45	37	*	0.25	
BRITISH ISLANDS.	Stornoway ...	29.56	45	SW	4	0	29.30	-2.1	41	39	+4	W	6	ohg	7	0	47	35	1.2	0.58	
	Malin Head ...	29.76	44	SW	6	bc	29.64	-1.6	43	40	+3	WNW	7	c	6	bc, g	46	39	*	0.21	
	Blacksod Pt. ...	29.77	49	SW	7	cgm	29.76	-1.4	46	41	0	W	6	cgm	5	cgm, g	49	40	*	0.25	
	Valencia ...	30.00	49	SSW	1	og	29.92	-1.6	48	46	+3	WSW	3	om	3	cgm, og	51	42	3.1	0.31	
	Roche's Point ...	30.09	47	WSW	3	bc	29.92	-1.6	49	49	+6	WSW	4	omr	3	bc, c	49	42	*	0.07	
	Parsonstown ...	29.98	45	SSW	1	bc	29.86	-1.3	45	44	+6	W	1	r	*	bc, c	48	38	3.7	0.24	
	Donaghadee ...	29.92	42	SW	2	b	29.68	-1.9	45	43	+9	WSW	1	c	2	—	48	34	*	0.06	
	Liverpool Obsy.	30.07	42	WSW	3	c	29.83	-1.1	46	45	+7	WSW	5	p	4	bc, c	48	39	*	0.04	
	Holyhead ...	30.04	45	SW	3	bc, m	29.80	-1.7	48	48	+6	SW	8	tg	6	bc, bc, m	48	40	*	0.04	
	Pembroke (St. Ann's)	30.13	47	WSW	4	bc	29.97	-0.9	47	46	+1	SW	7	omr	6	bc, g	48	45	4.8	0.07	
GERMANY, &c.	Scilly (St. Mary's)...	30.22	49	W	5	c	30.10	-0.1	49	48	0	WSW	6	0	5	bc, c	52	47	6.7	—	
	Jersey (St. Aubins)...	30.28	47	NW	2	bc, m	30.29	+1.0	45	44	+1	SW	3	bc, m	3	bc, bc, m	52	41	5.5	0.02	
	Portland Bill ...	30.22	46	WSW	2	bc	30.16	+0.7	48	45	+3	WSW	4	c	3	bc	48	43	*	—	
	Dungeness ...	30.18	41	NW	1	b	30.17	+0.9	46	45	+11	WSW	5	c	3	b	46	34	*	—	
	Wick ...	29.63	42	W	4	bc	29.31	-2.2	42	40	+6	NW	5	bc	3	—	44	32	*	—	
	Nairn ...	29.71	36	W	3	c	29.41	-2.1	41	39	+3	WSW	4	r	2	—	45	34	*	0.09	
	Aberdeen ...	29.52	37	SW	3	b	29.49	-1.6	44	41	+8	SW	3	b	2	bc, b	46	35	4.2	—	
	Leith ...	29.87	43	WSW	3	c	29.58	-1.6	46	43	+9	SW	4	bc, p	*	c, g	48	36	*	0.06	
	North Shields ...	29.96	42	SW	2	bc, m	29.69	-1.0	48	45	+10	SW	3	op	2	bc, m	48	35	*	0.01	
	Spurn Head ...	30.04	39	WSW	3	b	29.88	-0.2	41	41	+4	SSW	5	c	3	—	43	37	*	—	
FRANCE.	Yarmouth ...	30.07	39	W	3	b	30.04	+0.7	42	40	+7	SW	4	cm	3	b	43	34	*	—	
	Loughborough ...	30.19	40	W	1	b	30.06	+0.1	45	43	+9	SW	3	0	*	bc, 0	46	35	*	—	
	Oxford ...	30.15	40	W	2	b	30.11	+0.6	46	44	+10	SW	4	0	*	bc, bc, m	46	35	3.2	0.01	
	London (Brixton)	30.15	40	W	2	b	30.11	+0.6	46	44	+10	SW	4	0	*	bc, bc, m	46	35	3.2	0.01	
	The Scaw (Skagen)	29.86	33	WSW	1	m	29.91	+1.1	31	31	-2	WSW	1	m	0	—	34	30	*	0.04	
	Fanö ...	29.99	33	SW	2	b	30.04	+1.9	34	33	+4	SSW	2	f	*	—	37	30	*	0.08	
	Cuxhaven ...	30.03	32	W	1	b	30.13	+1.8	31	30	+3	SW	1	f	*	bc, f	34	28	*	0.12	
	The Helder ...	30.05	38	WSW	2	b	30.07	+1.7	37	37	0	SSW	2	f	2	—	41	34	*	—	
	Brussels ...	*	*	*	*	*	30.27	+2.3	35	35	0	SSW	2	f	*	—	42	31	*	0.04	
	Berlin ...	30.02	31	SW	1	r	30.20	+1.1	33	32	+18	SW	1	f	*	—	34	14	*	0.08	
SPAN. PEN.	Frankfurt ...	30.23	28	SW	2	c	30.33	+1.9	27	27	+9	Z	0	f	*	—	28	18	*	0.04	
	Munich ...	30.16	21	Z	0	f	30.37	+2.1	24	23	+19	SW	3	b	*	—	30	5	*	—	
	C. Gris Nez ...	30.19	42	W	4	b	30.15	+0.9	44	43	+4	SW	5	0	5	—	45	40	*	0.08	
	Brest ...	30.32	49	NW	1	b	30.29	+0.6	49	47	+2	W	3	bc	4	—	50	46	*	0.04	
	Lorient ...	30.32	46	WNW	3	b	30.35	+1.1	48	46	+5	W	4	c	4	—	52	41	*	—	
	Rocheport ...	30.34	46	NW	3	b	30.38	+2.0	41	41	-5	NW	2	bc	*	b	50	37	*	—	
	Biarritz ...	30.39	48	NE	4	b	30.45	+2.2	39	39	-11	Z	0	b	4	—	50	38	*	—	
	Paris ...	30.27	37	WNW	1	b	30.35	+2.4	30	30	-5	S	2	b	*	—	46	30	*	0.12	
	Belfort ...	30.23	31	WSW	5	S	30.38	+2.1	30	28	+7	Z	0	m	*	—	35	23	*	—	
	Lyons ...	30.30	35	NW	1	r	30.44	+1.9	33	32	+8	NW	2	b	*	—	37	25	*	0.04	
Nice ...	30.11	42	Z	0	C	30.17	+0.2	37	34	+3	E	2	b	1	—	50	34	*	—		
Perpignan ...	30.23	46	NW	5	0	30.37	+2.0	42	39	+6	NW	3	b	*	—	53	36	*	—		
SPAN. PEN.	Corunna ...																		*		
	Lisbon ...																		*		
SPAN. PEN.	Azores (P. Delgada)	30.40	54	SE	4	b	30.32	-1.5	56	50	+6	SSW	5	0	4	—	59	50	*	—	
	" (Horta)	30.35	57	S	5	0	30.24	+2.3	59	55	+6	S	5	0	3	—	59	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

DAILY WEATHER CHARTS

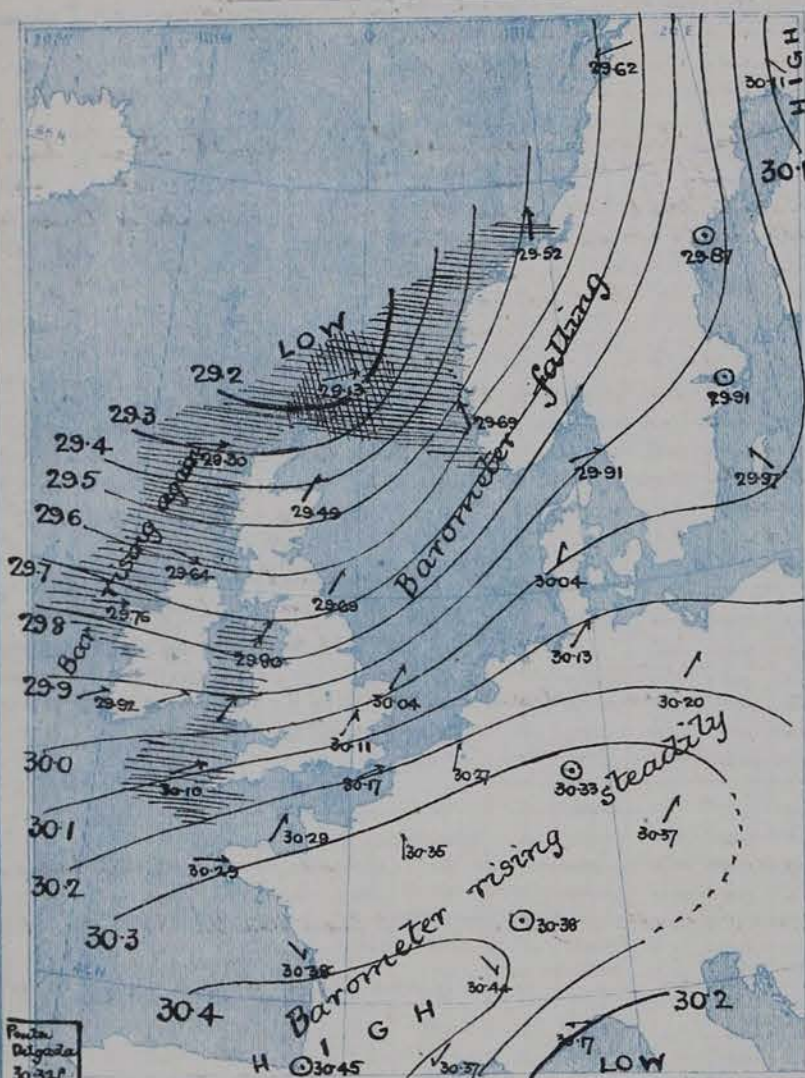
FOR *Saturday 24th January, 1903.*

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.—Runnel, High, Low.

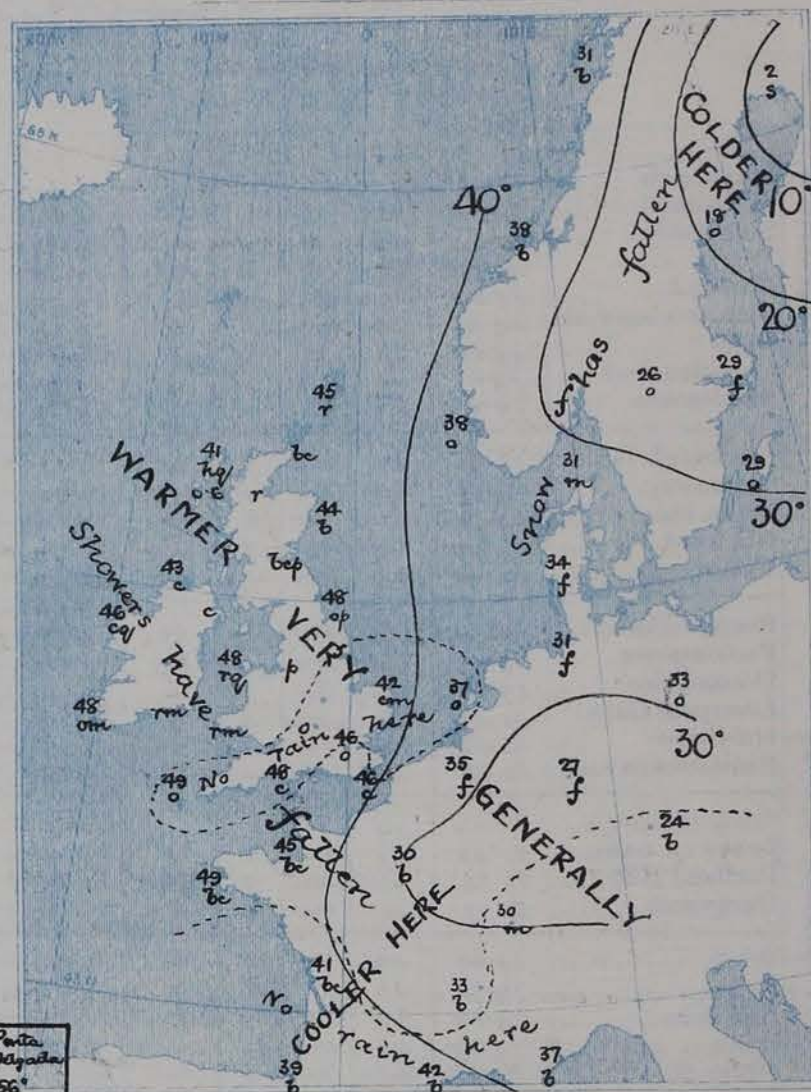


II. TEMPERATURE AND WEATHER. *This Morning.*

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

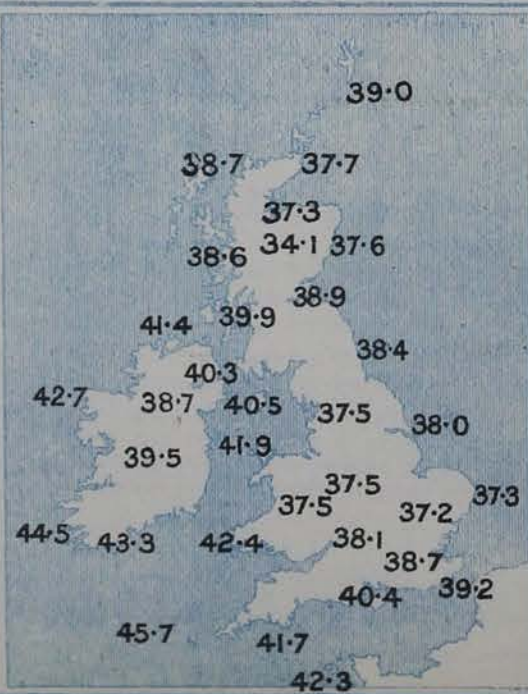


III. BAROMETER AND WIND

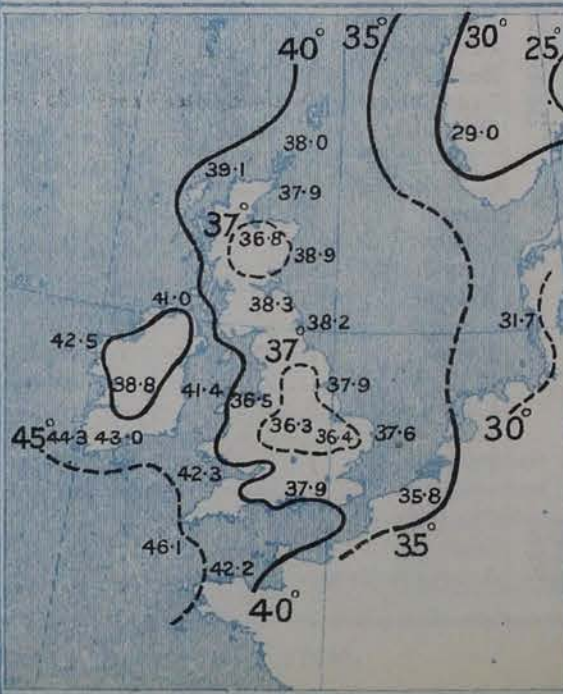
Yesterday morning.



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



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 disturbance, whose centre lay off our north-west coasts yesterday, has travelled north-eastwards, while a 'v' shaped secondary has moved eastwards over our southern districts. Pressure has now become highest over the Bay of Biscay, Spain, and the south of France, and lowest off the north-west coast of Norway. The reading range from 30.25 in. at Lyons and 30.23 in. at Biarritz to 29.41 in. at Lumburgh Head and 29.39 in. at Bodø. The mercury is rising again over our Islands and the west of France, falling elsewhere briskly on the eastern shores of the North Sea.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind has veered to the W^d. over the United Kingdom and to the N.W^d. in the west of France, but draws into S. over Denmark and the greater part of Scandinavia and into E. at Bodø. It has little force generally, but is fresh on our west and south-west coasts and strong in the north of Norway and Sweden. Temperature has fallen a few degrees over the major portion of the Kingdom, but risen in the west of Ireland and at nearly all the Continental stations. Over our Islands it ranges from 49° at Scilly, 46° at Blackhead Point, and 45° at Portland Bill, to 36° or 35° at several of our east coast stations, in London, and over central England. The Continental readings range from 50° at Biarritz to 37° at Christianund, 34° at Nice, 15° at Haparanda and Berlin, and to 5° at Munich. The weather is fine and bright in most parts of the United Kingdom and over the Riviera, but showers are reported at Scilly and Blackhead Point and in London. In other parts of our area the sky is very cloudy or overcast, with rain at Biarritz, Paris and Brussels, and snow in Denmark and the south of Scandinavia. The sea is rather rough in the far north and on our west and south-west coasts, moderate to smooth elsewhere.

The highest temperatures recorded at our stations yesterday were 52° at Scilly and 48° at Valencia, Pembroke, and Jersey, while the lowest in the night was 32° at Lill. Rain was experienced throughout our Islands, the Netherlands and the north and west of France - at Holyhead as much as 0.72 in. was measured. Bright sunshine was almost entirely absent.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The rise of the barometer is likely to continue for a time over our Islands, with generally fair weather, but the conditions cannot be considered at all settled and it is probable that other cyclonic disturbances will affect our western districts by tomorrow.

FORECASTS*

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	W ^{ts} winds, light or moderate; fair to-day, less settled to-morrow.	6 { SCOTLAND WEST	Same as Nos. 0 and 1.
1 { SCOTLAND EAST		7 { ENGLAND N.W.	
2 { ENGLAND N.E.	W ^{ts} winds, light or moderate; fair as a whole. Cold at night.	8 { ENGLAND S.W.	W ^{ts} winds, moderate or fresh, backing and increasing later; mostly fair to-day, probably becoming rainy to-morrow.
3 { ENGLAND EAST		9 { IRELAND NORTH	
4 { MIDLAND COUNTIES	W ^{ts} winds, light or moderate; fair to-day, less settled to-morrow.	10 { IRELAND SOUTH	
5 { ENGLAND 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	*	c, r	42	33	0.0	0.08
Newton Reigny (Penrith)	29.74	36	W 4	r	29.86	-.02	36	35	-4	W 3	c	*	ots, c	43	33	0.0	0.46
Bath	29.83	47	SW 5	r	30.07	-.03	40	39	-4	W 1	o	*	—	48	31	0.0	0.15

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. ...	45	37	0.07, c	0.0	0.38	Eastbourne,	*	*	*	0.0	*
Rhyl,	*	*	*	0.0	*	Hastings	*	*	*	0.0	*
Llandudno	*	*	*	0.0	*	Lowestoft, to 6 p.m. ...	42	38	o	0.0	-
Aberystwyth, to 6 p.m. ...	48	42	o	0.0	0.20	Harrogate, to 6 p.m. ...	43	34	ot	0.0	0.07
Plymouth, to 9 p.m. Not recd.	*	*	*	0.0	*	Manchester, to 9 p.m. ...	46	38	ou, r, ou	0.0	0.21
Worthing	*	*	*	0.0	*	Darwen, to 9 p.m. ...	42	34	ot, omu	0.0	0.43
Brighton	*	*	*	0.0	*	Birmingham, to 9 p.m. ...	44	37	o, r	0.0	0.16

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

STATIONS. 22. 1. 03	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal)	66	61	6 o	Ins.	Algiers	55	48	2 2	Ins.
Madrid	50	28	6 6	-	Tunis	59	50	o o	-
Corsica (I. Sanguinaires) ...	54	45	f o	-	Vienna	18	7	6 8	-
Rome	43	40	o o	0.24	St. Petersburg	23	7	6 o	-
Florence	45	35	6 6	-	Lugano ... 21. 1. 03	32	-	6	Measured 7 a.m.
Trieste	41	28	6 6	-	Davos	21	-	6	-
Naples	43	38	o o	0.04	Lucerne	27	-	o	-
Palermo	57	39	o c	-	Lausanne	36	-	6	-
Malta	56	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.

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.

23. 1. 1903	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	7. 50	12. 5	4. 20
Greenwich	7. 53	12. 12	4. 31
Wick	8. 39	12. 24	4. 9
Valencia	8. 36	12. 53	5. 10

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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

SUNDAY 25th JANUARY

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.	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.	Direc.			Force (0 to 12.)	Weather.			Max.	Min.
						Ins.								°	°			°	Ins.		
SCANDINAVIA.	Haparanda ...	30.15	7	SSE	4	S	30.05	-0.6	6	6	+4	S	4	S	*	-	10	0	*	0.12	
	Hernösand ...	29.82	25	Z	0	0	29.77	-1.0	29	28	+11	Z	0	0	*	-	?	14	*	0.24	
	Stockholm ...	29.94	32	Z	0	0	29.88	-0.3	33	32	+4	Z	0	0	*	-	33	27	*	-	
	Wisby ...	30.02	32	Z	0	0	29.93	-0.4	34	33	+5	Z	0	0	*	-	34	23	*	0.12	
	Karlstad ...	29.80	33	SE	4	0	29.86	-0.4	30	30	+4	SW	2	0	*	+S, 0	*	*	*	0.08	
	Færder (X'ania Fjord) ...	29.69	37	SW	4	m	29.85	-0.3	35	33	+8	WSW	2	6	3	-	37	27	*	0.04	
	Bodö ...	29.42	31	E	6	bc	29.35	-0.27	33	33	+2	E	5	c	2	-	33	30	*	-	
	Christiansund ...	29.40	41	SW	6	+	29.47	-0.5	40	36	+2	WSW	5	0	5	-	43	34	*	0.24	
	Skudesnaes ...	29.73	40	W	4	bc	29.73	+0.4	40	39	+2	S	4	0	5	+bc	41	37	*	*	
	Sumburgh Head ...	29.42	42	WSW	5	rsp	29.15	+0.2	44	44	-1	S	5	+	7	+sp	45	36	*	0.39	
BRITISH ISLANDS.	Stornoway ...	29.53	41	WSW	4	c	29.05	-0.25	47	46	+6	SSE	7	+	8	+hg, c	48	36	1.8	0.43	
	Malin Head ...	29.76	42	SW	6	cp	29.23	-0.41	49	47	+6	SW	8	cq	7	c, cp	49	41	*	0.03	
	Blackod Pt. ...	29.73	46	SSW	5	rm	29.31	-0.45	52	48	+6	SW	11	cqpm	7	bc, rm	53	38	*	0.39	
	Valencia ...	29.87	50	S	5	omg	29.66	-0.26	53	50	+5	SW	7	omg	6	omdmg	53	47	0.0	0.18	
	Roche's Point ...	29.96	50	WSW	3	0	29.76	-0.16	51	50	+2	SW	5	0	6	om, ut	51	48	*	0.20	
	Parsonstown ...	29.86	46	S	1	0	29.60	-0.26	51	48	+6	SW	5	cq	*	+	52	43	1.8	0.04	
	Donaghadee ...	29.87	43	SW	1	bc	29.49	-0.19	49	48	+4	SW	4	ogq	3	-	49	41	*	0.02	
	Liverpool Obsy. ...	29.98	43	SE	1	0	29.79	-0.04	49	46	+3	SW	4	bc	3	op, 0	49	43	*	0.06	
	Holyhead ...	29.93	47	SW	3	0	29.73	-0.07	48	48	0	SW	8	rq	6	p, cm, 0	48	45	*	0.15	
	Pembroke (St. Ann's) ...	30.01	48	SSW	6	m	29.87	-0.10	48	47	+1	SSW	7	ogpmu	6	-	49	46	0.0	0.19	
GERMANY, &c.	Scilly (St. Mary's) ...	30.12	51	SW	5	om	30.00	-0.10	50	50	+1	SW	7	+	6	+	52	48	0.0	0.02	
	Jersey (St. Aubins) ...	30.29	48	SW	4	om	30.27	-0.02	46	45	+1	SSW	5	om	4	ogp, om	51	45	0.4	0.01	
	Portland Bill ...	30.15	48	WSW	5	0	30.12	-0.04	48	46	0	SW	5	c	4	c, 0	48	46	*	-	
	Dungeness ...	30.12	47	WSW	7	+	30.14	-0.03	47	46	+1	WSW	6	odp	4	o, t, dp	47	45	*	0.03	
	Wick ...	29.53	43	W	4	bc	29.19	-0.12	45	43	+3	SW	3	bc	3	-	45	37	*	-	
	Nairn ...	29.60	40	W	3	b	29.16	-0.25	49	47	+8	WSW	4	bc	2	-	49	38	*	0.01	
	Aberdeen ...	29.73	41	SW	3	b	29.36	-0.13	45	44	+1	SSW	4	og	2	b	46	38	4.3	-	
	Leith ...	29.79	43	SW	3	bc	29.40	-0.18	50	47	+4	SW	5	bc	*	-	50	41	*	0.01	
	North Shields ...	29.89	45	WSW	1	om	29.64	-0.05	50	47	+2	SSW	5	0	2	bc, om	50	42	*	-	
	Spurn Head ...	29.97	43	SW	4	c	29.84	-0.04	46	45	+5	SSW	5	c	3	-	47	40	*	0.02	
FRANCE.	Yarmouth ...	30.00	46	WSW	4	c	30.03	-0.01	47	45	+5	SW	4	c	4	-	47	40	*	0.02	
	Loughborough ...	30.10	48	SW	3	+	30.04	-0.02	48	45	+3	SSW	3	ou	*	+	49	45	*	0.01	
	Oxford ...	30.11	49	SW	3	0	30.12	+0.01	49	46	+3	SW	6	0	*	+	49	45	0.0	0.07	
	London (Brixton) ...	30.11	49	SW	3	0	30.12	+0.01	49	46	+3	SW	6	0	*	+	49	45	0.0	0.07	
	The Scaw (Skagen) ...	29.77	37	WSW	3	m	29.91	-0.00	36	35	+5	WSW	1	m	0	-	37	30	*	0.12	
	Fanö ...	29.95	35	SSW	4	b	30.02	-0.02	30	30	-4	SSW	2	f	*	-	37	30	*	0.08	
	Cuxhaven ...	30.06	37	SW	5	0	30.11	-0.02	37	37	+6	SW	2	rf	*	-	37	31	*	0.16	
	The Helder ...	30.01	41	SW	5	+	30.05	-0.02	41	41	+4	SW	5	m	3	-	41	36	*	0.08	
	Brussels ...	*	*	*	*	*	30.29	+0.02	40	39	+5	SW	4	0	*	-	41	35	*	0.08	
	Berlin ...	30.22	33	SW	2	0	30.20	-0.00	35	35	+2	SW	1	+	*	-	36	32	*	0.04	
SPAN. PEN.	Frankfurt ...	30.36	36	SW	2	0	30.35	+0.02	36	35	+9	SW	2	0	*	-	36	27	*	0.04	
	Munich ...	30.43	24	W	3	b	30.46	+0.09	24	23	0	SW	4	c	*	-	32	19	*	-	
	C. Gris Nez ...	30.12	45	SW	5	f	30.18	+0.03	46	43	+2	SW	5	0	5	-	48	43	*	-	
	Brest ...	30.26	50	SW	4	0	30.25	+0.04	50	48	+1	SW	4	c	5	-	50	48	*	-	
	Lorient ...	30.35	48	SW	3	0	30.28	-0.07	48	48	0	SW	4	c	4	-	52	46	*	-	
	Rochefort ...	30.39	48	SSW	3	c	30.39	+0.01	42	42	+1	SSE	3	c	*	bc	54	37	*	-	
	Biarritz ...	30.46	45	Z	0	bc	30.42	-0.03	36	34	-3	SE	3	b	4	-	50	34	*	-	
	Paris ...	30.38	36	NW	3	f	30.38	+0.03	37	37	+7	SSW	3	0	*	-	39	30	*	-	
	Belfort ...	30.43	32	WSW	4	m	30.49	+0.11	28	26	-2	WSW	4	0	*	-	40	27	*	-	
	Lyons ...	30.50	33	NW	1	bc	30.54	+0.10	30	30	-3	N	1	f	*	-	41	30	*	-	
SPAN. PEN.	Nice ...	30.25	42	Z	0	b	30.38	+0.21	40	33	+3	E	2	b	2	-	52	37	*	-	
	Perpignan ...	30.32	46	NW	4	b	30.41	+0.04	35	33	-7	SW	2	b	*	-	51	34	*	-	
	Corunna ...	30.36	52	NNE	1	b	30.37	+0.02	45	41	+4	E	1	bc	6	-	54	37	*	-	
SPAN. PEN.	Lisbon ...	30.32	50	NNE	4	b	30.42	+0.12	43	40	-1	NNE	4	b	*	-	54	43	*	-	
	Azores (P. Delgada) ...	30.26	59	S	5	0	30.25	-0.07	60	55	+4	SW	5	0	4	-	61	55	*	-	
	" (Horta) ...	30.15	61	S	5	0	30.10	-0.14	61	60	+2	SSW	5	0	3	-	61	59	*	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

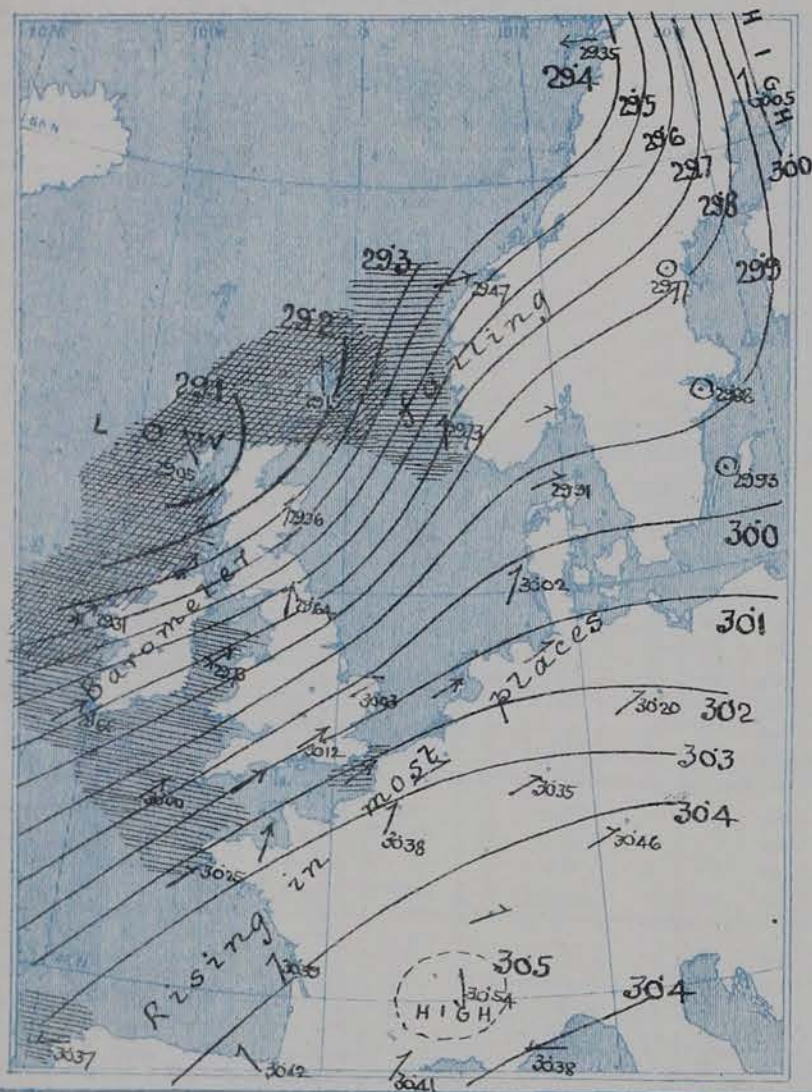
FOR SUNDAY, 25th JANUARY, 1903.

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

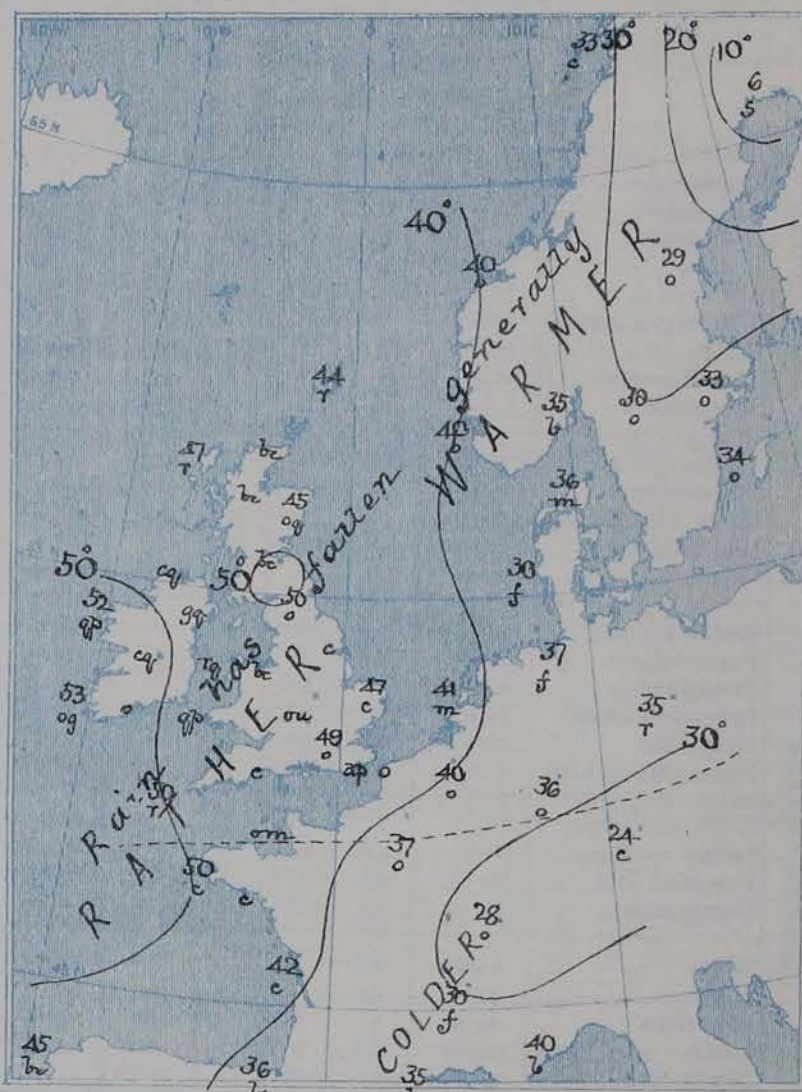


II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

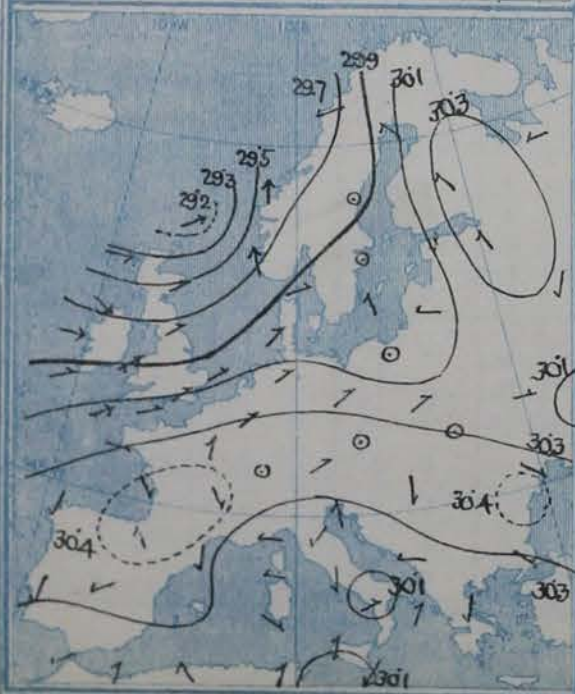
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

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



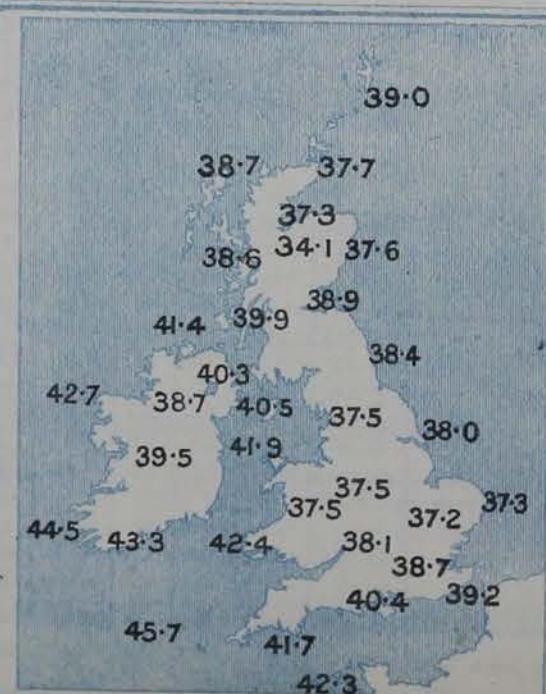
III. BAROMETER AND WIND

Yesterday morning.



IV. Averages of DAILY MAXIMUM and MINIMUM TEMPERATURES

combined, for the month of JANUARY. (1871-1900)



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

Since yesterday morning a new and large cyclonic disturbance has advanced from the Atlantic, and its centre now lies to the northward of the Shetlands. The barometer continues highest over the Peninsula and south-western and central France, the actual readings ranging from 30.45 ins. at Biarritz to 29.13 ins. at Lumburgh Head, and to 30.11 ins. at Haparanda. The mercury has begun to rise again on our west and north-west coasts, but is still falling in the east and over Norway. Gradients are moderate to rather steep over our Islands and the North Sea.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind has already veered to the W² in the extreme west and north-west, but is S.W.² over England and the southern half of Scotland, while it draws into S. on the eastern shores of the North Sea and into the E² at Bodø. It is only moderate in force in most parts of our Islands, but blows strongly at some western and northern stations; at Lumburgh Head and Malin Head there is a moderate gale and at Holyhead a fresh gale. On the Continent the wind is mostly very light, but strong in the south-west of Norway. Temperature has risen except in Sweden and at some French stations - rapidly in Germany. It at present ranges from 49° at Scilly and Roche's Point and 48° at Shields to 41° at Wick and Spurn Head. Over the Continent the readings vary from 49° at Brest to 37° at Nice, 30° at Paris, 24° at Munich, and from 38° in the west of Norway to 29° at Stockholm and to 2° at Haparanda. The weather has become very rainy in the west and north of our Islands, but in the other regions of our area it is fairer - especially over France. In the extreme north of Norway, however, snow is falling. The sea is very rough in the north and north-west, rough or rather so at most western and south-western ports.

Temperature again exceeded 50° at some of our extreme western and southern stations during yesterday, but on the east coast of England it did not rise above 43°. The lowest minimum reported this morning over our Islands is 32° at Wick. Rain has fallen in the west and north - as much as 0.58 in. at Stornoway - and rain or snow over Scandinavia, Denmark and Germany. A considerable amount of bright sunshine has been recorded generally and some of our southern and south-western stations had more than 6 hours.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The disturbance in the north will probably travel away eastwards or north-eastwards, but with the present distribution of barometric pressure it is likely to be followed closely by other systems from the Atlantic, so that the weather over our Islands may be expected to remain in an unsettled condition generally, with occasional rain and rather high temperature.

FORECASTS *

For the 24 hours ending at NOON on 25th January, 1903

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	W ² winds, strong to a gale, moderating and backing later; changeable, rain at times.
1	SCOTLAND EAST	
2	ENGLAND N.E.	S.W. ² to W ² winds, varying in force; mild, some rain, then improving.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	


DISTRICTS.


FORECASTS.

6	SCOTLAND WEST	Same as Nos. 0 and 1
7	ENGLAND N.W.	
8	ENGLAND S.W.	W ² winds, strong, backing later; mild, occasional rain, some fair intervals.
9	IRELAND NORTH	
10	IRELAND SOUTH	

WARNINGS

At 3.35 p.m. yesterday to districts 0, 6, 9 and 10, and at 7.15 p.m. to districts 1, 2, 7 and part of 8, '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	*	*	*	*	*	*	*	*	*	*	c	*	bc, b	44	34	6.2	—
Newton Reigny (Penrith)	30.00	37	2 0	b	29.73	-.13	45	44	+9	SW 4	79	*	c, 0.19	46	36	3.5	0.34
Bath	30.17	44	W 1	0	30.09	+0.2	42	41	+2	SW 5	0	*	—	48	37	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....	44	36	c, b, c	5.8	0.01	Eastbourne,	*	*	*	5.7	*
Rhyl,	*	*	*	6.3	*	Hastings	*	*	*	5.7	*
Llandudno	*	*	*	5.3	*	Lowestoft, to 6 p.m. ...	43	33	o, t, b	3.7	0.08
Aberystwyth, to 6 p.m. ...	46	43	bc	4.0	0.02	Harrogate, to 6 p.m. ...	44	34	c, p, c, b	5.2	0.07
Plymouth, to 9 p.m. ...	51	37	bcw	2.9	—	Manchester, to 9 p.m. ...	44	33	t, bc	1.5	0.02
Worthing	*	*	*	6.3	*	Darwen, to 9 p.m. ...	40	33	ts, o, om	0.8	0.10
Brighton	*	*	*	6.2	*	Birmingham, to 9 p.m. ...	46	33	b	4.2	—

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

STATIONS. 23. 1. 03	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max. °	Min. °				Max. °	Min. °		
Madeira (Funchal)	57	50	b c	Ins.	Algiers	57	48	o o	Ins.
Madrid	50	28	b c	—	Tunis	59	50	o o	0.04
Corsica (I. Sanguinaires) ...	34	46	f m	0.47	Vienna	12	7	o o	0.04
Rome	45	45	r o	1.49	St. Petersburg	23	7	5 5	—
Florence	45	38	o o	—	1 p.m.		1 p.m.		Measured 7 a.m.
Trieste	43	28	b b	—	Lugano ... 22. 1. 03 ...	36	—	b	—
Naples	49	43	o o	0.32	Davos	21	—	b	—
Palermo	62	37	b c	—	Lucerne	25	—	o	—
Malta	58	54	? o	—	Lausanne	32	—	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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	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.

24. 1. 1903	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	7.49	12.5	4.21
Greenwich	7.52	12.12	4.32
Wick	8.38	12.24	4.11
Valencia	8.35	12.53	5.11

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

DAILY WEATHER REPORT

for 8 a.m. on MONDAY 26TH JANUARY

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 ...	29.93	7	S	4	S	29.67	-38	11	10	+5	SSE	4	S	*	-	11	1	*	0.20	
	Hernösand ...	29.63	32	S	6	S	29.52	-25	32	32	+3	S	2	0	*	-	32	25	*	0.79	
	Stockholm ...	29.88	33	SW	2	0	29.67	-21	36	?	+3	S	2	0	*	-	36	30	*	0.12	
	Wisby ...	29.98	32	Z	0	C	29.77	-16	36	36	+2	S	2	0	*	-	36	27	*	0.08	
	Karlstad ...	29.75	34	SW	6	+	29.53	-33	36	36	+6	WSW	2	f	*	-	*	*	*	0.12	
	Färder (X'ania Fjord)	29.60	37	S	5	+	29.52	-33	38	37	+3	SW	6	b	4	-	38	34	*	0.20	
	Bodö ...	29.31	32	ESE	4	bc	29.24	-11	31	30	-2	E	4	S	2	-	34	28	*	-	
	Christiansund ...	29.16	45	SSE	3	0	29.34	-13	40	38	0	Z	0	0	5	-	45	39	*	-	
	Skudesnaes ...	29.38	42	S	6	0	29.71	-02	42	40	+2	SW	4	0	4	0	43	39	*	*	
BRITISH ISLANDS.	Sumburgh Head	28.90	47	SSW	5	C	29.36	+21	43	43	-1	S	4	+	7	C	49	39	*	0.14	
	Stornoway ...	29.16	45	NW	9	C	29.25	+20	50	49	+3	SW	7	+	7	+,C	50	40	0.0	0.33	
	Malin Head ...	29.62	46	W	7	Cq	29.53	+30	50	47	+1	SW	7	ogq	7	0,Cq	51	45	*	0.01	
	Blacksod Pt. ...	29.71	49	SSW	5	cm	29.61	+30	49	47	-3	SW	7	rgm	6	bc,cm	53	46	*	0.09	
	Valencia ...	29.88	50	S	4	cm	29.78	+12	53	52	0	S	6	tm	6	cm	53	50	1.5	0.19	
	Roche's Point ...	29.94	50	WSW	3	0	29.89	+13	51	50	0	SW	4	om	5	C,0,bg	53	49	*	0.14	
	Parsonstown ...	29.84	48	SSW	2	bc	29.78	+18	54	52	+3	SSW	3	om	*	bcq	55	45	3.5	0.01	
	Donaghadee ...	29.61	49	W	9	b	29.68	+19	53	51	+4	SW	3	cg	2	-	53	46	*	0.01	
	Liverpool Obsy.	29.89	49	WSW	3	b	29.94	+15	52	50	+3	SW	4	0	4	b	54	47	*	-	
GERMANY, &c.	Holyhead ...	29.84	49	SW	7	Cqmp	29.88	+15	50	50	+2	SW	8	dq	7	C,Cqmp	50	47	*	0.26	
	Pembroke (St. Ann's)	30.02	49	SW	6	bc	30.01	+14	49	48	+1	SSW	7	md	6	bc,mf,q	51	47	0.0	0.05	
	Scilly (St. Mary's)...	30.08	51	WSW	5	of	30.10	+10	50	50	0	SSW	6	0	6	+,of	52	50	0.0	0.08	
	Jersey (St. Aubins)...	30.28	48	WSW	6	ogp	30.36	+09	49	47	+3	SSW	4	om	3	q,+,ogp	52	46	0.0	0.03	
	Portland Bill ...	30.12	49	SW	6	op	30.26	+16	49	48	+1	SW	4	0	3	og,op	49	47	*	0.02	
	Dungeness ...	30.14	47	WSW	6	d	30.28	+14	48	47	+1	WSW	6	+	4	C,od	48	46	*	0.04	
	Wick ...	29.03	45	NW	6	0	29.35	+16	47	45	+2	S	3	bc	3	-	47	38	*	-	
	Nairn ...	29.17	49	SW	6	C	29.40	+24	52	50	+3	WSW	4	bc	3	-	52	41	*	0.01	
	Aberdeen ...	29.20	49	WSW	5	bq	29.51	+15	49	47	+4	SW	3	C	3	-	52	40	1.3	-	
FRANCE.	Leith ...	29.36	47	SW	6	C	29.63	+23	54	51	+4	SSW	4	0	*	-	55	44	*	0.01	
	North Shields ...	29.60	52	SW	6	C	29.75	+11	52	50	+2	SSW	3	0	2	-	54	45	*	-	
	Spurn Head ...	29.77	48	SW	6	b	29.94	+10	50	49	+4	SSW	5	Cq	4	-	51	43	*	-	
	Yarmouth ...	29.94	50	SW	5	cf	30.10	+07	50	49	+3	WSW	4	cm	3	C,Cf	50	45	*	-	
	Loughborough ...																				
	Oxford ...	30.09	49	WSW	2	b	30.17	+13	50	49	+2	SSW	4	od	*	odp,b	51	47	*	-	
	London (Brixton)	30.08	49	W	5	b	30.21	+09	51	49	+2	SW	6	0	*	og,bc,b	51	47	0.0	0.01	
	The Scaw (Skagen)	29.69	38	SSW	3	m	29.66	+25	40	39	+4	W	5	m	1	-	41	34	*	0.08	
	Fanö ...	29.84	39	SW	6	0	29.98	-04	36	36	+6	SW	4	bc	*	-	39	30	*	0.08	
SPAN. PEN.	Cuxhaven ...	30.07	40	SW	6	0	30.14	+03	39	38	+2	WSW	4	0	*	f,m,0	41	36	*	0.04	
	The Helder ...	29.98	33	SW	7	0	30.13	+08	42	42	+1	SW	5	f	4	-	43	36	*	-	
	Brussels ...	*	*	*	*	*	30.36	+07	42	42	+2	SW	4	0	*	-	46	39	*	-	
	Berlin ...	30.23	37	SW	3	0	30.23	+03	42	41	+7	WSW	2	0	*	-	42	35	*	0.08	
	Frankfurt ...	30.38	40	SW	2	0	30.43	+08	39	38	+3	SW	2	+	*	-	41	36	*	0.04	
	Munich ...	30.46	30	SW	3	C	30.54	+08	34	32	+10	W	5	0	*	-	37	23	*	-	
	C. Gris Nez ...	30.18	48	SW	6	f	30.28	+10	45	45	-1	SW	5	f	5	-	48	45	*	0.04	
	Brest ...	30.28	50	SW	4	f	30.31	+06	50	48	0	SW	4	0	5	-	50	41	*	-	
	Lorient ...	30.30	48	WSW	4	C	30.40	+12	50	48	+2	WSW	4	0	5	-	55	48	*	-	
SPAN. PEN.	Rochefort ...	30.39	43	S	3	0	30.47	+08	39	39	-3	S	3	0	*	0	46	37	*	-	
	Biarritz ...	30.47	50	ESE	2	bc	30.52	+10	43	40	+7	E	3	b	5	-	50	36	*	-	
	Paris ...	30.39	43	SSW	3	0	30.46	+08	41	39	+4	SSW	3	0	*	-	46	37	*	-	
	Belfort ...	30.47	33	WSW	3	m	30.56	+07	31	29	+3	WSW	3	C	*	-	41	28	*	-	
	Lyons ...	30.57	31	N	1	f	30.67	+13	25	25	-5	NE	1	b	*	-	32	25	*	-	
	Nice ...	30.41	42	Z	0	b	30.53	+15	39	28	-1	E	3	b	2	-	52	37	*	-	
	Perpignan ...	30.47	40	Z	0	b	30.54	+13	30	30	-5	SW	1	b	*	-	53	30	*	-	
	Corunna ...																				
	Lisbon ...	30.43	50	NNE	4	b	30.50	+08	42	40	-1	NNE	4	b	*	-	54	41	*	-	
SPAN. PEN.	Azores (P. Delgada)	30.18	60	SSW	5	0	30.13	-12	61	57	+1	SSW	5	0	4	-	63	59	*	-	
	" (Horta)	30.04	60	SW	5	+	30.07	-03	55	52	-6	NNE	2	0	2	-	61	54	*	1.18	

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

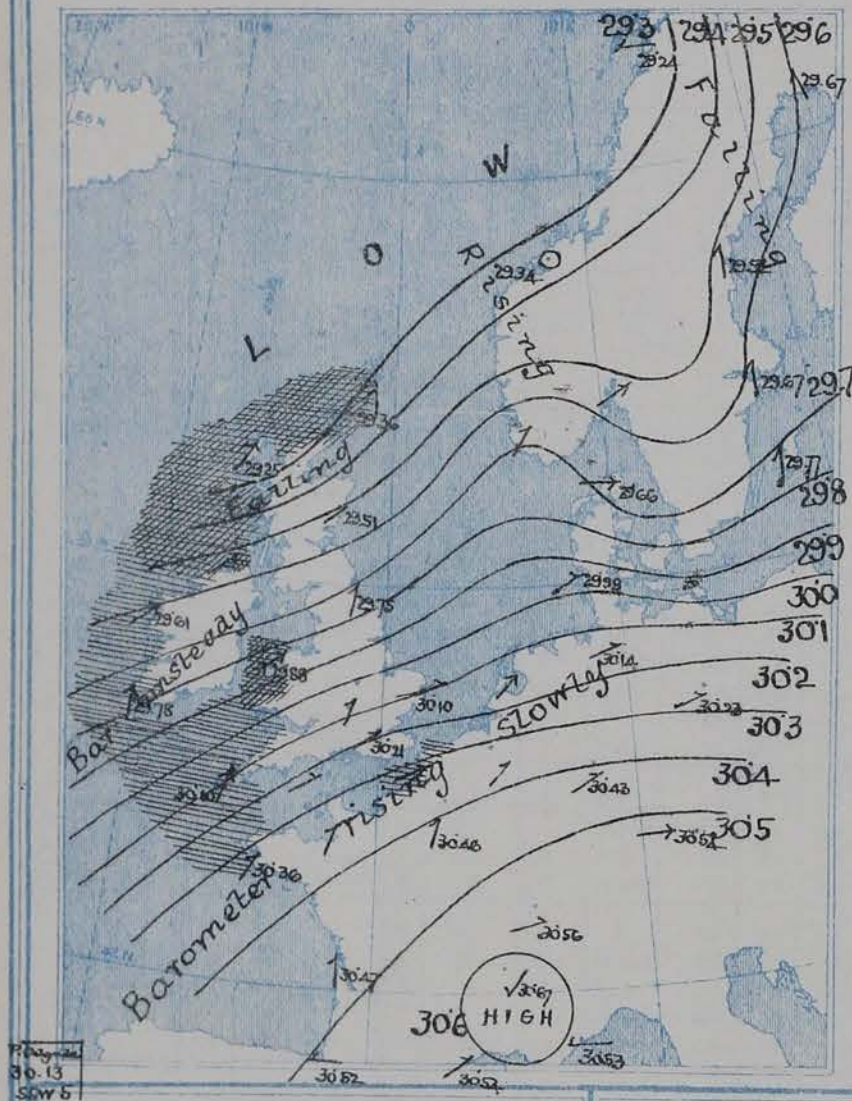
FOR *Monday, 26th January, 1903.*

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

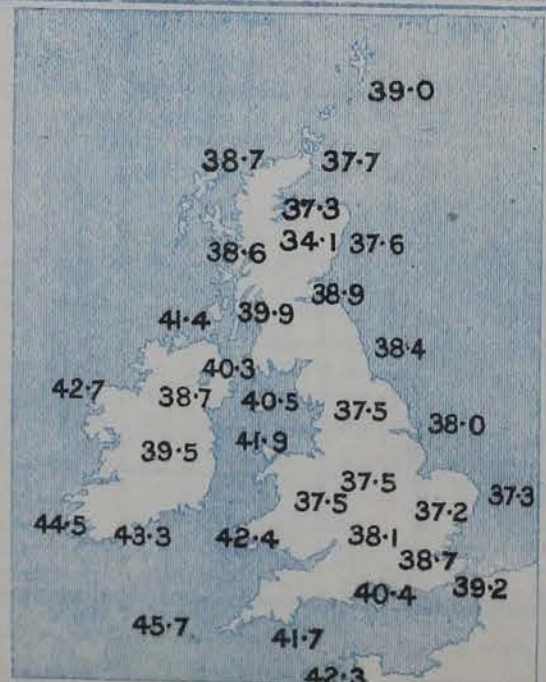


III. BAROMETER AND WIND

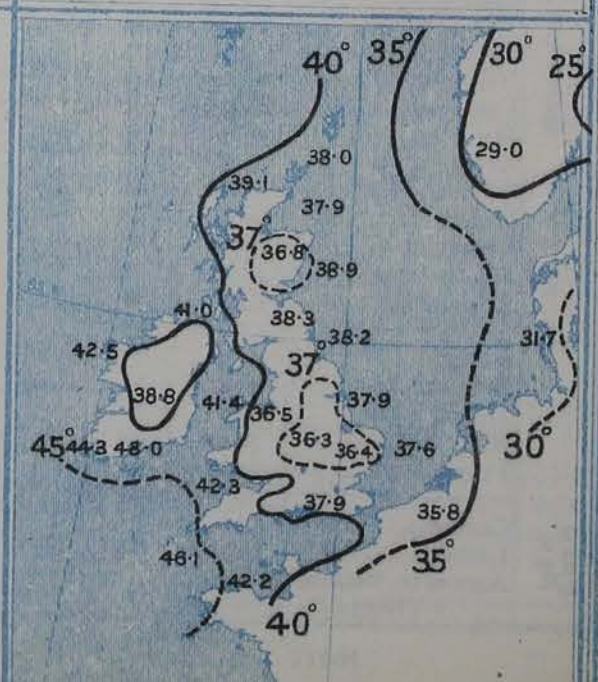
Yesterday morning.



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



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 cyclonic system noticed yesterday off the north of Scotland has travelled away to the northward. A new and deeper disturbance has, however, advanced from the S.W. to the north-west of Scotland, and the barometer is again falling over nearly the whole Kingdom, the lowest readings, 29.1 ins. and less, being reported in the Hebrides. The highest pressures, 30.5 ins. and upwards, are found over Central France, in which region the mercury is rising slowly. Barometrical gradients are steep over the greater part of our Islands and the North Sea and also over the west and north of Scandinavia, but slight elsewhere.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind is SW over northwestern Europe generally and strong in force on many parts of our western coasts. In Sweden, however, it is calm, while in the south of France it is variable or light from the E. ^{W.} Temperature has risen in most places and is now considerably above the average in these Islands, the readings being as a whole very little below 50° and at some of our western stations slightly above that point. Frost prevails in Sweden and also in South Germany and central France, the lowest readings reported being 6° at Haparanda, 21° at Munich, 28° at Belfort and 29° at Hernösand. The weather is fine in the east of Scotland and also in the south of France, but is cloudy or dull in nearly all the parts of Europe, with rain or passing showers at several of our own western and southern stations as well as at Berlin; fog prevails at Fano and Cuxhaven. The sea is high on our extreme north and northwest coasts, rough in the southwest and rather rough off the north of France but moderate or slight elsewhere.

During yesterday the thermometer rose to 50° or slightly above it on several parts of our western coasts. The amount of bright sunshine was everywhere small; at many of our stations there was none. Rain fell over northwest Europe generally, the amount being generally small but rather large in the Shetlands and Hebrides.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS *

For the 24 hours ending at NOON on 26th JANY. 1903

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

0 $\overline{\pi}$ SCOTLAND
NORTH

1 $\overline{\pi}$ SCOTLAND
EAST

2 $\overline{\pi}$ ENGLAND
N.E.

3 $\overline{\pi}$ ENGLAND
EAST

4 $\overline{\pi}$ MIDLAND
COUNTIES

5 $\overline{\pi}$ ENGLAND
SOUTH

None issued.

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

None issued.

WARNINGS

At 3.30 pm yep^t to Dist. 8 and at 7.0 pm. to Dist. 3 and 5 "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.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet.	Change.					Max. °	Min. °		
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	0	*	7.0	44	40	0.0	0.05
Newton Reigny (Penrith)																	
Bath	30.03	50	SW 4	0	30.04	-.05	49	46	+7	SW 5	0	*	-	50	74.2	0.0	0.14

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	39	0, c, 0	3.0	0.15	Eastbourne. Not recd ...	*	*	*		*
Rhyl,	*	*	*	1.0	*	Hastings	*	*	*	0.0	*
Llandudno	*	*	*	1.9	*	Lowestoft, to 6 p.m. Not recd					
Aberystwyth, to 6 p.m. ...	45	42	0	0.0	0.26	Harrogate, to 6 p.m. ...	47	37	0, c, 6	1.9	0.09
Plymouth, to 9 p.m. Not recd						Manchester, to 9 p.m. ...	48	38	7, ou	0.0	0.20
Worthing	*	*	*	0.0	*	Darwen, to 9 p.m. ...	45	36	0, c, ou	0.5	0.48
Brighton. Not recd ...	*	*	*	*	*	Birmingham, to 9 p.m. ...	48	38	0	0.0	0.03

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.		
24. 1. 03.									
Madeira (Funchal) Not recd				Ins.	Algiers	61	52	0 c	Ins. 0.04
Madrid	51	30	0 b	-	Tunis	57	50	0 0	-
Corsica (I. Sanguinaires) ...	55	39	f c	-	Vienna	10	0 F	0 0	-
Rome	47	39	0 c	0.39	St. Petersburg				
Florence	45	30	b b	-	23. 1. 03				
Trieste	41	30	0 c	-	Lugano	34	-	6	Measured 7 a.m.
Naples	51	43	0 0	1.30	Davos	21	-	6	-
Palermo	64	41	b m	-	Lucerne	28	-	0	-
Malta	56	50	? 0	1.85	Lausanne	34	-	6	-

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.		

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25. 1. 1903	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	7.48	12.5	4.22
Greenwich	7.51	12.12	4.33
Wick	8.36	12.24	4.13
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DAILY WEATHER REPORT

for 8 a.m. on

Tuesday 27th January

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.	Ins.	Dry Bulb.	°		Direc.	Force (0 to 12.)	Weather.	At 32° Fahr. and M. S. L.	Ins.	Change since Yester- day.	Dry Bulb.	Wet Bulb.			°	Change since Yester- day.			Direc.	Force (0 to 12.)	Weather.	Max.	Min.
SCANDINAVIA.	Haparanda ...	29.67	12	SSE	4	S	29.40	-27	18	18	+7	SE	4	S	*	-	18	-2	*	0.20					
	Hernösand ...	29.55	32	Z	0	S	29.38	-14	32	31	0	Z	0	bc	*	-	34	30	*	-					
	Stockholm ...	29.76	36	S	2	0	29.66	-01	41	40	+5	SW	4	0	*	-	41	32	*	-					
	Wisby ...	29.86	37	S	2	0	29.84	+07	41	39	+5	S	2	0	*	-	41	32	*	-					
	Karlstad...	29.74	35	Z	0	0	29.66	+13	38	38	+2	WSW	4	0	*	-	38	32	*	-					
	Færder (X'iania Fjord) ...	29.71	37	SW	5	f	29.59	+07	38	38	0	SW	7	f	4	-	39	37	*	-					
	Bodö ...	29.24	41	SW	4	+	29.10	-14	40	38	+9	WSW	5	bc	3	-	41	31	*	-					
	Christiansund ...	29.35	46	SW	7	0	29.24	-10	42	38	+2	SW	3	c	5	0.2	46	39	*	0.04					
	Skudesnaes ...	29.66	44	SSW	6	+	29.56	-15	44	42	+2	SSW	8	0	6	0.4	45	41	*	-					
	Sumburgh Head ...	29.30	46	WSW	5	c	29.18	-18	42	40	-1	WSW	7	0	7	0.6	48	39	*	0.05					
Stornoway ...	29.34	46	SW	6	0	29.31	+06	41	39	-9	SW	7	0	7	0.2	52	35	0.0	0.27						
Malin Head ...	29.58	46	SW	7	og	29.65	+12	40	39	-10	W	9	cltq	7	0.09	50	39	*	0.15						
Blackod Pt. ...	29.67	48	SW	7	ogpm	29.76	+15	46	42	-3	WSW	7	ogpm	6	ogpm	50	43	*	0.15						
Valencia...	29.86	49	SSW	4	omp	29.95	+17	46	43	-7	SW	4	op	5	omp	54	45	0.0	0.33						
BRITISH ISLANDS.	Roche's Point ...	29.91	50	SW	4	omt	29.97	+08	47	46	-4	WSW	4	0	5	0.0mr	51	46	*	0.39					
	Parsonstown ...	29.82	48	SW	5	ot	29.88	+10	43	41	-11	SW	1	0	*	ot	54	42	0.0	0.30					
	Donaghadee ...	29.76	50	SW	2	+	29.79	+11	45	43	-8	W	3	c	2	-	53	44	*	0.23					
	Liverpool Obsy. ...	29.93	52	SW	5	0	29.94	00	45	44	-7	SW	3	0	3	0	54	45	*	0.02					
	Holyhead ...	29.88	49	SW	8	dgm	29.92	+04	46	45	-4	SW	7	om	5	dgm	50	45	*	0.49					
	Pembroke (St. Ann's) ...	30.02	49	SW	7	0	30.02	+01	45	44	-4	WSW	5	ogq	6	o.f.d	50	44	0.0	0.25					
	Scilly (St. Mary's)...	30.10	52	SSW	6	0	30.05	-05	51	50	-1	SSW	6	omp	7	om,0	54	50	0.0	-					
	Jersey (St. Aubins)...	30.38	49	SW	3	cg	30.32	-04	47	46	-2	SSE	4	bm	3	o.cg,w	52	47	0.3	0.01					
	Portland Bill ...	30.28	49	SW	4	c	30.15	-11	49	48	0	SW	5	c	4	o.c	49	47	*	0.01					
	Dungeness ...	30.29	49	WSW	6	0	30.21	-07	47	46	-1	SW	7	c	5	c,0	49	46	*	-					
GERMANY, &c.	Wick ...	29.44	41	W	4	c	29.38	+03	40	38	-7	WNW	4	bc	2	-	48	38	*	0.01					
	Nairn ...	29.47	46	SW	4	0	29.46	+06	39	39	-13	WSW	4	+	3	-	52	37	*	0.15					
	Aberdeen ...	29.59	46	SW	4	c	29.58	+07	43	39	-6	SW	4	0	3	o,c	53	42	0.1	-					
	Leith ...	29.67	51	SW	3	+	29.68	+05	46	42	-8	SW	3	0	*	-	55	45	*	0.45					
	North Shields ...	29.78	54	SW	4	c	29.79	+04	46	44	-6	SSW	2	0	2	p.c.p	56	46	*	0.04					
	Spurn Head ...	29.97	51	SSW	6	c	29.94	00	44	44	-6	W	3	otm	2	-	53	44	*	0.05					
	Yarmouth ...	30.10	52	WSW	6	cg	30.06	-04	49	47	-1	WSW	5	c	4	c.cg	54	48	*	-					
	Loughborough ...	30.16	51	SW	4	c	30.09	-08	52	49	+2	SSW	5	og	*	-	52	50	*	-					
	Oxford ...	30.16	51	SW	4	c	30.09	-08	52	49	+2	SSW	5	og	*	-	52	50	*	-					
	London (Brixton) ...	30.23	50	WSW	6	og	30.14	-07	51	48	0	WSW	6	0	*	og,og	52	49	0.0	-					
FRANCE.	The Scaw (Skagen) ...	29.85	41	SW	3	+	29.78	+12	42	42	+2	WSW	4	+	1	-	45	39	*	0.04					
	Fanö ...	30.04	38	SW	6	0	29.98	00	38	37	+2	SW	6	0	*	-	39	36	*	-					
	Cuxhaven ...	30.19	42	SW	6	f	30.15	+01	42	41	+3	SW	6	0	*	f	43	39	*	0.04					
	The Helder ...	30.16	43	SW	8	b	30.11	-02	42	41	0	SW	7	bc	5	-	43	41	*	-					
	Brussels...	*	*	*	*	*	30.34	-02	41	40	-1	SSW	3	c	*	-	45	41	*	-					
	Berlin ...	30.28	45	WSW	2	0	30.30	+07	44	42	+2	W	4	0	*	-	46	41	*	-					
	Frankfurt ...	30.49	44	SW	2	0	30.45	+02	34	33	-5	SW	2	b	*	-	45	34	*	-					
	Munich ...	30.58	31	W	4	b	30.53	-01	36	34	+2	W	3	b	*	-	41	30	*	-					
SPAN. PEN.	C. Gris Nez ...	30.32	46	SW	5	b	30.23	-05	45	44	0	SW	6	bc	6	-	48	43	*	-					
	Brest ...	30.34	51	SW	4	c	30.28	-03	50	50	0	SW	4	c	6	-	51	50	*	-					
	Lorient ...	30.43	49	SSW	3	bc	30.36	-04	49	49	-1	SW	4	0	5	-	54	46	*	-					
	Rochefort ...	30.47	46	SW	2	b	30.42	-05	38	37	-1	SE	3	c	*	bc,b	52	34	*	-					
	Biarritz ...	30.49	53	E	2	b	30.49	-03	49	45	+6	S	1	b	5	-	59	43	*	-					
	Paris ...	30.49	45	SSW	3	0	30.45	-01	34	34	-7	SSW	2	b	*	-	48	33	*	-					
	Belfort ...	30.55	37	WSW	2	b	30.53	-03	32	31	+1	WSW	3	b	*	-	45	30	*	-					
	Lyons ...	30.64	37	NE	1	b	30.61	-06	33	31	+8	S	1	b	*	-	42	25	*	-					
Nice ...	30.55	45	Z	0	b	30.60	+07	39	35	0	Z	0	b	1	-	54	39	*	-						
Perpignan ...	30.58	41	Z	0	b	30.54	00	32	32	+2	S	1	b	*	-	54	30	*	-						
SPAN. PEN.	Corunna ...	30.47	51	NNE	4	b	30.50	00	43	41	+1	NNE	4	b	*	-	55	43	*	-					
	Lisbon ...	30.47	51	NNE	4	b	30.50	00	43	41	+1	NNE	4	b	*	-	55	43	*	-					
SPAN. PEN.	Azores (P. Delgada) ...	30.31	51	NW	1	b	30.39	+32	52	46	-3	NE	3	b	2	-	61	48	*	-					
	" (Horta) ...	30.31	51	NW	1	b	30.39	+32	52	46	-3	NE	3	b	2	-	61	48	*	-					

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

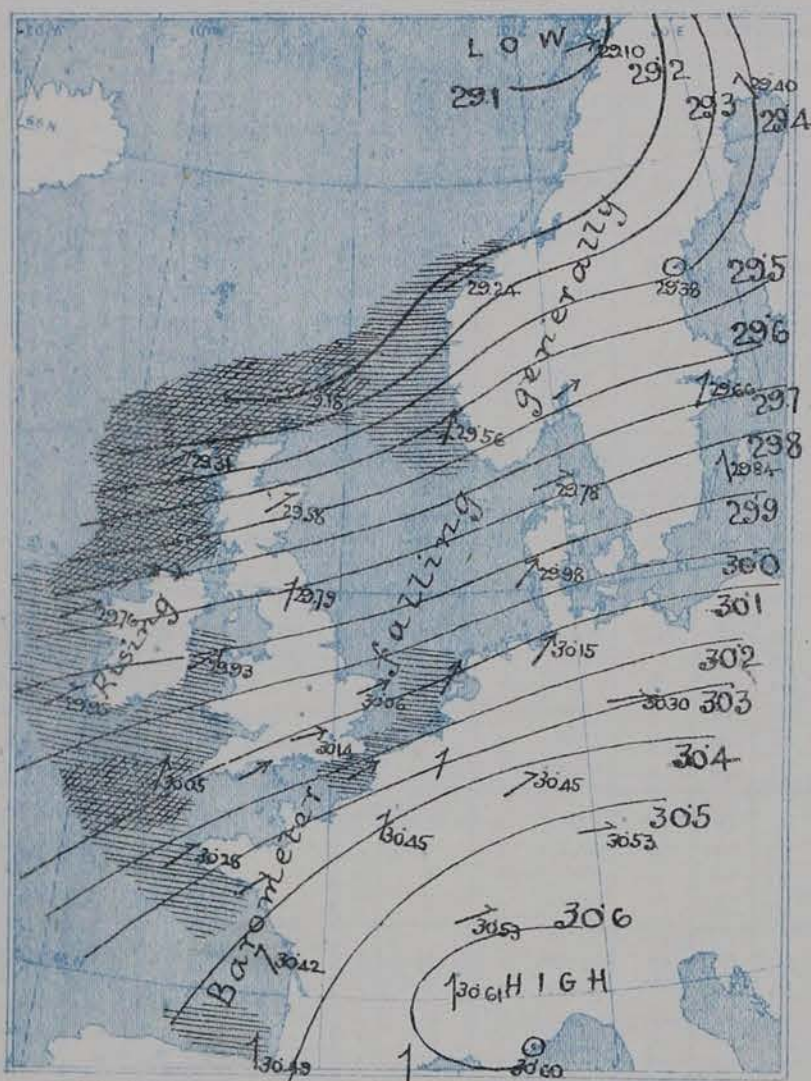
FOR *Tuesday, 27th January, 1903.*

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

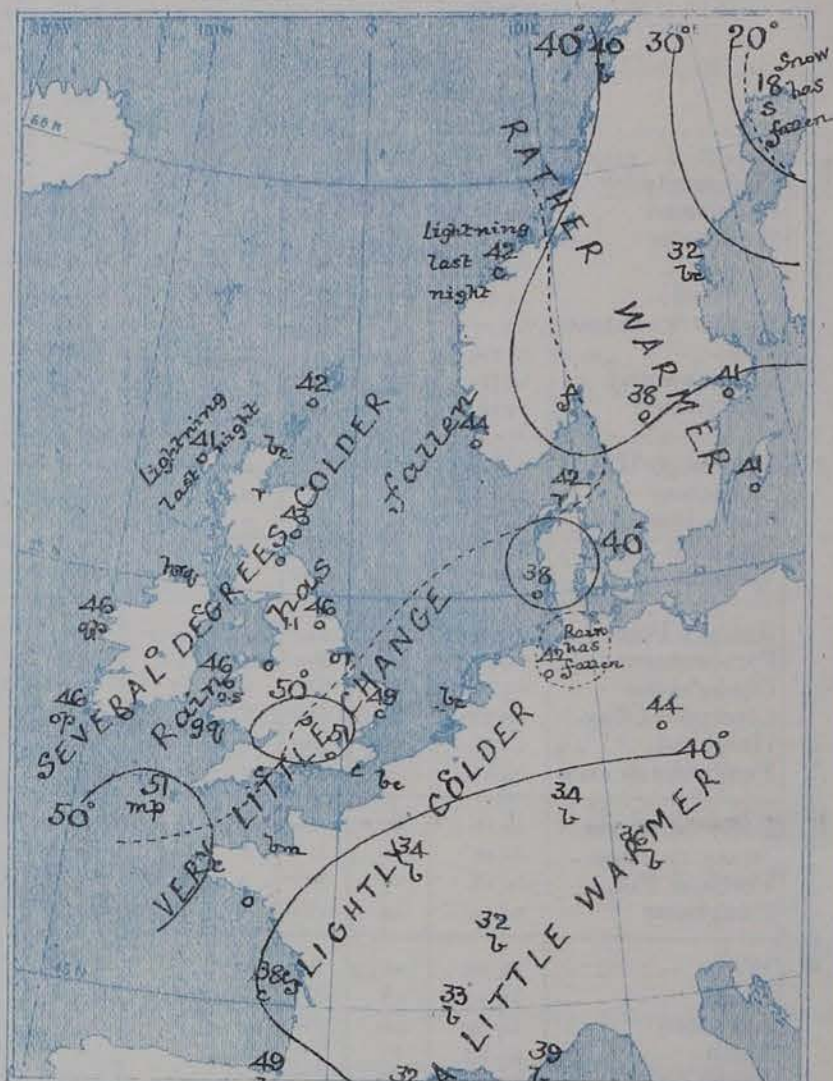


II. TEMPERATURE AND WEATHER. *This Morning.*

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



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 cyclonic disturbance which lay off our northern coasts yesterday has apparently travelled away to the northward. A new cyclonic area with minimum pressures below 29.2 in. has, however, advanced to the north-west of Scotland, and the barometer is again falling on many parts of our northern coasts, the gradient over these Islands and the North Sea being still steep. A large anticyclone with maximum readings above 30.6 in. lies over the southern parts of France and Germany, and the barometer is rising slowly over the whole of those countries, as well as in the south of England.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind remains S^W or S.W^W over North-western Europe generally, and is strong in force on most parts of our own western and southern coasts, with a gale at Holyhead. In the south of France the wind is light from the E^W. Temperature has again risen in most places, and in these Islands the readings are now very high for the time of year, the difference from the normal exceeding 10° in most places, and amounting to 15° in some parts of Ireland and Scotland. The morning readings are above 50° in nearly all parts of the Kingdom, the highest reported being 54° at Leith and Parsonstown. Over Germany the thermometer stands below 40°, while at some stations in the east and south of France it is below the freezing point, the reading at Lyons being only 25°. The weather is fine in the north of Scotland and also in the south of France, but is cloudy or dull over Western Europe as a whole; rain is falling at several of the English and Irish stations, and also in the Shetlands and Hebrides, and snow at Bodø and Haparanda. The sea is high on our north-western and extreme northern coasts, rough in the south-west, and rather rough off the north and west of France.

During yesterday the thermometer exceeded 50° in most parts of the United Kingdom, and reached 55° at Leith and Parsonstown. The amount of bright sunshine was everywhere small; in many parts of Great Britain there was none. Rain fell over North-western Europe generally, but the amount was in most places very small.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The new disturbance off the north-west of Scotland will probably travel away to the northward or north-eastward. At Valencia (Ireland) the barometer remains very unsteady, and as the wind there is still S^W it is probable that fresh cyclonic areas are advancing from the Atlantic. Mild S^W or S.W^W winds of considerable strength are likely to continue over the United Kingdom generally.

FORECASTS *

For the 24 hours ending at NOON on 27th January, 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, increasing in force; mild, squally, some rain.

S^W and S.W^W winds, strong in places; mild, cloudy, some rain.

S.W^W winds, moderate to strong; mild, cloudy, some rain.

DISTRICTS.

FORECASTS.

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

S^W and S.W^W winds; strong to a gale; mild, squally, some rain.

WARNINGS

At 7.30 p.m. yesterday to districts 0 to 2, 6, 7, 9 and 10, 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 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	*	4.6	47	41	0.0
Newton Reigny (Penrith) ...	29.72	48	SW 7	bc	29.80		48	48		SW 3	7	*	0.4	52	46	0.09
Bath	30.04	52	SW 4	0	30.15	+11	52	50	+3	SW 5	0	*	53	48	0.0	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	44	0.9, c, b	3.1	0.01	Eastbourne, to ...	0	0	*	0.0	*
Rhyl,	*	*	*	3.3	*	Hastings	*	*	*	0.0	*
Llandudno	*	*	*	3.8	*	Lowestoft, to 6 p.m. Not recd					
Aberystwyth, to 6 p.m. ...	48	44	0.1	0.2	0.08	Harrogate, to 6 p.m. ...	51	38	0.1	1.1	0.01
Plymouth, to 9 p.m. Not recd						Manchester, to 9 p.m. ...	53	44	0.9, bc	0.3	0.01
Worthing	*	*	*	0.0	*	Darwen, to 9 p.m. ...	50	39	0.9, br	0.0	0.06
Brighton	*	*	*	0.0	*	Birmingham, to 9 p.m. ...	52	45	b	0.2	-

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.		
25.1.03									
Madeira (Funchal)				Ins.	Algiers				Ins.
Madrid					Tunis				
Corsica (I. Sanguinaires) ...					Vienna				
Rome					St. Petersburg				
Florence									
Trieste					24.1.03	1 p.m.		1 p.m.	Measured 7 a.m.
Naples					Lugano	37	—	6	—
Palermo					Davos	25	—	6	0.08
Malta					Lucerne	32	—	0	0.12
					Lausanne	37	—	6	—

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.

26.1.1903	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	7.47	12.6	4.24
Greenwich	7.50	12.13	4.35
Wick	8.34	12.25	4.15
Valencia	8.33	12.54	5.14

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 Wednesday 28th January 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.	Dirac.	Force (0 to 12.)	Weather.	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Dirac.	Force (0 to 12.)	Weather.			Max.	Min.			
																					Ins.
SCANDINAVIA.	Haparanda ...	29.04	25	Z	0	f	28.82	-58	16	16	-2	SSW	2	6	*	-	29	9	*	-	
	Hernösand ...	29.19	31	Z	0	b	29.14	-24	19	18	-13	?	2	6	*	-	36	19	*	-	
	Stockholm ...	29.48	40	SW	4	bc	29.43	-23	38	36	-3	WSW	6	6	*	-	43	34	*	-	
	Wisby ...	29.67	40	S	4	o	29.57	-27	37	36	-4	S	4	0	*	-	41	32	*	-	
	Karlstad ...	29.51	38	SW	4	c	29.40	-26	37	37	-1	SW	4	6	*	-	41	32	*	-	
	Färder (X'iania Fjord)	29.54	37	WSW	6	m	29.42	-17	37	36	-1	WSW	7	6	4	-	38	36	*	-	
	Bodö ...	28.87	35	S	4	bc	28.72	-38	38	37	-2	SW	6	0	3	-	41	35	*	-	
	Christiansund ...	29.08	38	SW	3	r	29.02	-22	35	34	-7	WNW	9	5	6	-	42	34	*	0.47	
Skudesnaes ...	29.53	42	WSW	8	o	29.41	-15	41	39	-3	WSW	8	0	5	m, o	44	41	*	*		
BRITISH ISLANDS.	Sumburgh Head	29.20	40	WSW	7	op	29.16	-02	41	39	-1	W	6	0	7	0.22, op	43	34	*	0.70	
	Stornoway ...	29.32	43	W	6	o	29.32	+01	39	37	-2	W	3	3	3	opstq, o	44	36	0.5	0.22	
	Malin Head ...	29.70	43	W	7	bchq	29.61	-04	43	41	+3	W	9	7	7	bcbchq	45	39	*	0.20	
	Blacksod Pt. ...	29.82	44	WSW	7	cq, h, p, m	29.81	+05	45	42	-1	W	6	5	5	cq, h, p, m	48	40	*	0.16	
	Valencia ...	30.01	47	WSW	4	b, h, p	30.06	+11	46	43	0	WSW	5	6	6	o, b, h, p	49	42	0.2	0.08	
	Roche's Point ...	30.02	45	WNW	3	b	30.07	+10	43	41	-4	W	3	2	2	o, b	48	40	*	0.02	
	Parsonstown ...	29.95	41	SW	1	bc	29.94	+06	41	39	-2	SW	3	3	3	p, bc	45	37	0.6	0.08	
	Donaghadee ...	29.83	43	W	3	cq	29.76	-03	40	38	-5	W	4	3	3	-	46	37	*	-	
GERMANY, &c.	Liverpool Obsy.	29.97	45	WSW	2	o	29.93	-01	42	39	-3	WSW	4	4	4	p, o	49	39	*	-	
	Holyhead ...	29.95	45	WSW	3	om	29.93	+01	43	41	-3	WSW	6	4	4	o, om	47	41	*	-	
	Pembroke (St. Ann's)	30.02	47	SW	4	o	30.06	+04	46	43	+1	WSW	6	5	5	o, p, q	47	44	0.0	0.04	
	Scilly (St. Mary's)...	30.07	46	NW	3	r	30.18	+13	48	46	-3	W	5	6	6	r	51	46	0.0	0.76	
	Jersey (St. Aubins)...	30.23	51	SW	5	cq	30.28	-04	44	43	-3	W	4	3	3	bc, cq	56	43	6.3	0.09	
	Portland Bill ...	30.08	50	SW	5	o	30.19	+04	45	42	-4	W	6	4	4	c, o	51	43	*	0.20	
	Dungeness ...	30.14	48	SW	6	c	30.16	-05	43	42	-4	W	4	2	2	c	49	42	*	0.04	
	Wick ...	29.40	39	SW	4	o	29.30	-08	36	35	-4	NW	4	2	2	cts, p	43	34	*	0.03	
FRANCE.	Nairn ...	29.52	38	WSW	3	op	29.40	-06	37	36	-2	W	2	2	2	op	43	35	*	0.29	
	Aberdeen ...	29.62	38	SW	4	b	29.49	-09	39	36	-4	SW	4	3	3	bc, ts, r, b	45	37	3.1	0.26	
	Leith ...	29.72	44	SW	3	bc	29.60	-08	41	39	-5	WSW	4	3	3	p	47	39	*	0.02	
	North Shields ...	29.84	47	SW	3	c	29.62	-17	43	39	-3	SSW	4	2	2	c	49	40	*	-	
	Spurn Head ...	29.93	46	SW	4	o	29.88	-06	40	39	-4	WSW	6	4	4	-	48	38	*	0.03	
	Yarmouth ...	30.02	50	SW	3	r	30.01	-05	41	39	-8	WSW	3	3	3	c, r	52	39	*	0.21	
	Loughborough ...	30.04	45	SW	1	r	30.12	+03	39	38	-13	SW	2	2	2	q, r	54	39	*	0.23	
	Oxford ...	30.07	50	SW	4	ot	30.13	-01	40	39	-11	W	2	2	2	c, o, d, r	58	39	0.2	0.48	
SPAN. PEN.	London (Brixton)	30.07	50	SW	4	ot	30.13	-01	40	39	-11	W	2	2	2	c, o, d, r	58	39	0.2	0.48	
	The Scaw (Skagen)	29.61	41	WSW	5	m	29.59	-19	39	38	-3	WSW	4	1	1	-	43	37	*	0.08	
	Fanö ...	29.92	37	SW	6	o	29.80	-18	36	36	-2	SW	4	0	0	-	39	36	*	-	
	Cuxhaven ...	30.08	43	SW	6	o	29.91	-24	39	38	-3	W	3	3	3	ff	43	39	*	0.28	
	The Helder ...	30.04	43	SW	7	o	29.95	-16	40	40	-2	SW	2	2	2	r	45	39	*	0.16	
	Brussels ...	30.04	43	SW	7	o	29.95	-16	40	40	-2	SW	2	2	2	r	45	39	*	0.16	
	Berlin ...	30.29	39	W	2	b	30.03	-27	36	34	-8	SW	3	3	3	b	46	34	*	-	
	Frankfurt ...	30.34	36	W	2	b	30.22	-23	34	32	0	SW	2	2	2	b	45	32	*	-	
SPAN. PEN.	Munich ...	30.45	35	E	2	b	30.33	-20	35	33	-1	SW	3	3	3	b	50	32	*	-	
	C. Gris Nez ...	30.14	45	SW	6	b	30.11	-12	43	42	-2	W	5	5	5	-	48	41	*	0.04	
	Brest ...	30.18	51	SW	4	o	30.30	+02	48	46	-2	NW	3	5	5	-	52	45	*	0.08	
	Lorient ...	30.25	50	SW	3	c	30.34	-02	45	44	-4	NW	3	5	5	bc	54	43	*	-	
	Rochefort ...	30.38	47	Z	0	f	30.32	-10	42	42	+4	S	3	3	3	f	52	38	*	0.04	
	Biarritz ...	30.43	60	SSE	1	b	30.43	-06	51	50	+2	Z	0	5	5	-	64	48	*	-	
	Paris ...	30.34	42	SW	3	b	30.25	-20	38	36	+4	SW	4	0	0	-	50	34	*	-	
	Belfort ...	30.43	44	WSW	3	b	30.36	-17	36	32	+4	WSW	4	0	0	-	52	32	*	-	
SPAN. PEN.	Lyons ...	30.50	42	SE	1	b	30.46	-15	33	30	0	NNW	1	0	0	-	50	32	*	-	
	Nice ...	30.56	44	E	1	b	30.47	-13	38	37	-1	E	1	0	0	-	54	37	*	-	
	Perpignan ...	30.52	44	NE	1	b	30.46	-08	42	40	+10	W	1	0	0	-	53	32	*	-	
	Corunna ...																	*	-		
SPAN. PEN.	Lisbon ...																	*	-		
	Azores (P. Delgada)																	*	-		
SPAN. PEN.	" (Horta)	30.52	53	Z	0	b	30.49	+10	56	52	+4	SE	5	3	3	-	57	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.

WEATHER CHARTS

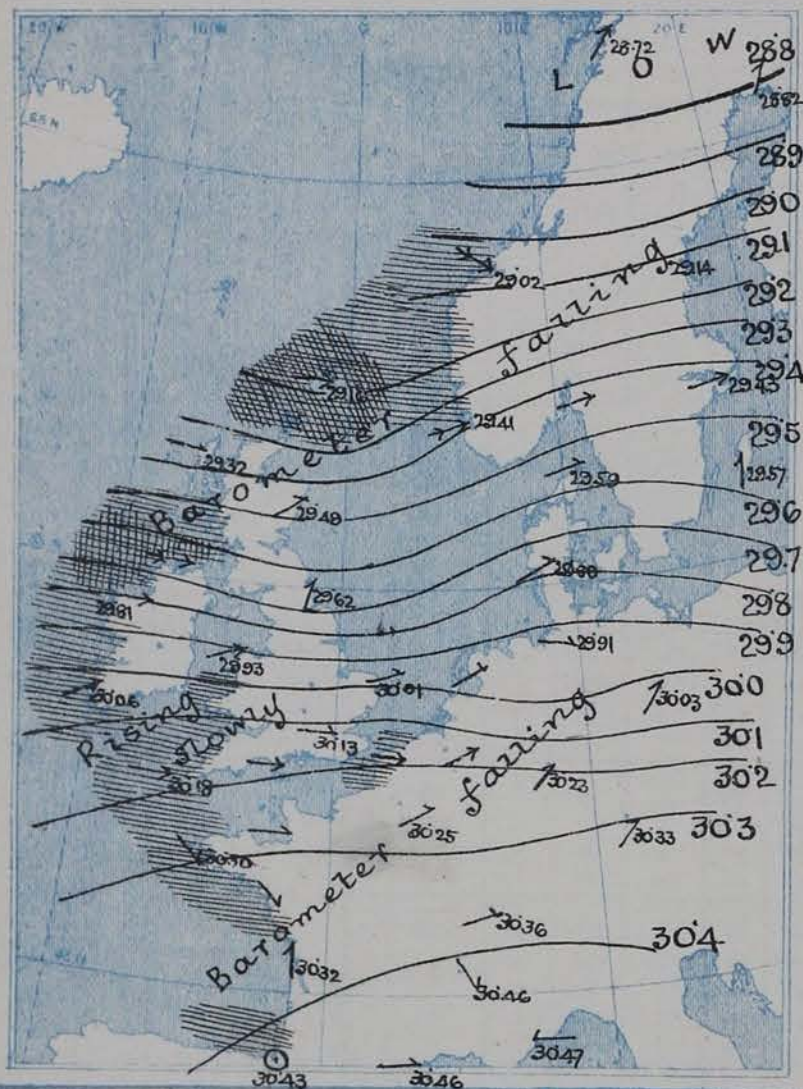
FOR WEDNESDAY, 28th JANUARY, 1903.

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°.

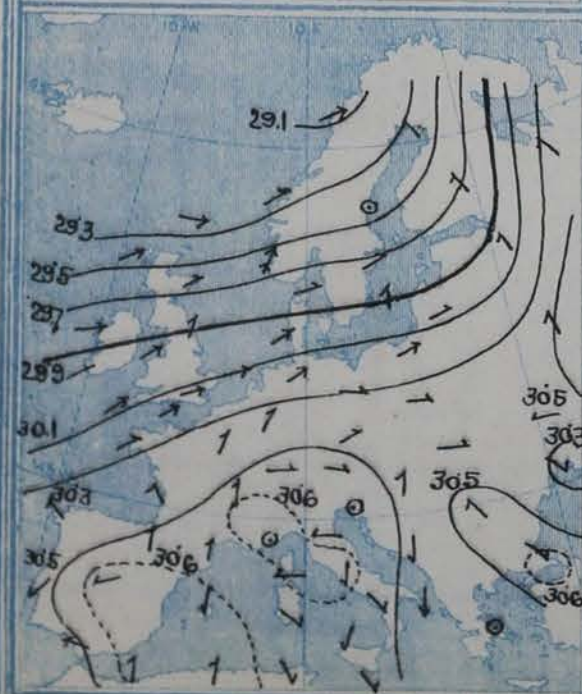
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

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: 0.4



III. BAROMETER AND WIND

Yesterday morning



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



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 remains unchanged. The barometer is still highest, 30.6 in. and upwards, in the central portion of an anticyclone lying over the south-east of France, the borders of the system extending northwards over the whole of that country and Germany. The lowest readings 29.1 in. and less, are found in a cyclonic disturbance off the north-west of Norway, the system being one of a series moving in a north-easterly direction from the Atlantic. The barometer is at present rising in the west of our Islands, but is falling elsewhere. Gradients are steep over the northern part of the North Sea, and rather steep over North-western Europe generally.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind remains S.W.^{ly} over nearly the whole of Northwestern Europe and blows strongly in many places with a moderate to strong gale in the north of Ireland and also in the south of Norway. Over the southern parts of France light S.W. breezes are reported. Temperature has fallen several degrees in the west and north of these Islands, but remains high for the time of year, especially in the south of England, where the morning readings are in many places slightly above 50°; in central Scotland the thermometer is apparently below 40°. At most of the Continental stations the thermometer has risen, but slight frost still prevails in some parts of the French anticyclonic area, and a sharp frost in the north of Sweden, the reading at Haparanda being as low as 18°. The weather is cloudy over the United Kingdom and the northern parts of the Continent, with rain in several isolated places, hail at Malin Head, and snow at Haparanda. Over the greater part of the Netherlands, France and South Germany the weather is fine. The sea is high on our extreme north and north-west coasts and also at the mouth of the Channel, and rough or rather so on all but our east coasts.

During yesterday the thermometer rose to between 50° and 55° in nearly all parts of the United Kingdom and to 56° at Shields. The amount of bright sunshine was everywhere small; at the majority of our stations there was none. Rain fell in all our more western and northern districts, the amount at Newton Berrony (Perth) being as large as 1.06 inch. Lightning was seen at night at Stornoway, and also at Christiansund.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The distribution of pressure is still favourable for the passage of cyclonic disturbances along our extreme western and northern coasts; and strong winds from S.W. or W. are likely to continue over the Kingdom generally. The cooler weather now reported in the west and north will probably extend over England, but for the present the readings of the thermometer are likely to remain above the average for the time of year.

FORECASTS *

For the 24 hours ending at NOON on 28th January, 1903

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

0 $\overline{\text{N}}$ SCOTLAND NORTH

S.W.^{ly} and W.^{ly} winds, strong to a gale; cloudy, some cold rain or sleet.

1 $\overline{\text{N}}$ SCOTLAND EAST

S.W.^{ly} winds, strong in places; cloudy, some showers. Cooler.

2 $\overline{\text{N}}$ ENGLAND N.E.

3 $\overline{\text{N}}$ ENGLAND EAST

4 $\overline{\text{N}}$ MIDLAND COUNTIES

5 $\overline{\text{N}}$ ENGLAND SOUTH

S.W.^{ly} winds, strong and squally; changeable, some showers. Becoming cooler.

6 $\overline{\text{N}}$ SCOTLAND WEST

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

8 $\overline{\text{N}}$ ENGLAND S.W.

9 $\overline{\text{N}}$ IRELAND NORTH

10 $\overline{\text{N}}$ IRELAND SOUTH

S.W.^{ly} and W.^{ly} winds, strong, a gale in places; squally, showery.

WARNINGS

At 3.35 p.m. yesterday to district 8, and at 7 p.m. to districts 3 and 5, Keep up South Cone. The signals are still flying on all coasts.

Note.—The South Cone, point downwards ($\overline{\text{N}}$), 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 ($\overline{\text{N}}$), 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	*	*	*	*	*	*	*	*	*	*	c	*	o, c	48	44	0.0	-
Newton Reigny (Penrith)	29.82	49	SW 5	†	29.83	+0.3	44	42	-4	SW 5	og	*	of	50	44	0.0	1.06
Bath	30.19	52	SW 4	o	30.08	-0.7	52	49	o	SW 6	o	*	-	54	51	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. ...	53	46	c, o, op	0.0	-	Eastbourne, ...	50	40	*	0.1	*
Rhyl, ...	*	*	*	?	*	Hastings ...	*	*	*	0.0	*
Llandudno ...	*	*	*	2.0	*	Lowestoft, to 6 p.m. ...	55	43	c, b, c, o	1.3	-
Aberystwyth, to 6 p.m. ...	50	48	o	0.0	0.02	Harrogate, to 6 p.m. ...	52	45	b, o, c	0.0	0.02
Plymouth, to 9 p.m. ...	51	50	og, oug	0.0	0.12	Manchester, to 9 p.m. ...	52	44	†, oug	0.0	0.02
Worthing ...	*	*	*	0.0	*	Darwen, to 9 p.m. ...	50	43	c, ot, ou	0.0	0.12
Brighton ...	*	*	*	0.0	*	Birmingham, to 9 p.m. ...	50	44	od, o	0.0	-

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

STATIONS. 26.1.03	TEMPERATURE F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE F.		WEATHER.	RAIN.
	Max. °	Min. °				Max. °	Min. °		
Madeira (Funchal) <i>Not Recd</i>				Ins.	Algiers ...	59	48	o o	Ins.
Madrid ...	50	27	b b	-	Tunis ...	63	45	o o	-
Corsica (I. Sanguinaires) ...	54	45	f m	-	Vienna ...	27	25	s s	0.04
Rome ...	49	35	b b	-	St. Petersburg ...	5	-4	b b	-
Florence ...	46	30	b b	-	Lugano ... 25.1.03	<i>1 p.m. information not yet recd</i>			
Trieste ...	46	36	b o	-	Davos ...				Measured 7 a.m.
Naples ...	45	42	b b	-	Lucerne ...				
Palermo ...	65	40	o b	0.08	Lausanne ...				
Malta ...	58	55	? o	0.08					

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.

27.1.1903	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ...	h. m. 7.46	h. m. 12.6	h. m. 4.26
Greenwich ...	7.49	12.13	4.37
Wick ...	8.32	12.45	4.17
Valencia ...	8.32	12.54	5.16

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 29th JANUARY

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 82° and M.S.L.	Dry Bulb.	Dirac.	Force (0 to 12.)	Weather.		At 82° Fahr. 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.)		Max.	Min.	Sun- shine. Hours	Rainfall. Inch.
	Inch.	°					Inch.	Inch.	°	°										
SCANDINAVIA.	Haparanda ...	28.79	19	2	0	b	28.83	+0.1	9	9	-7	Z	0	c	*	-	25	9	*	-
	Hernösand ...	29.02	31	2	0	b	29.02	-1.2	24	23	+5	Z	0	o	*	-	36	19	*	-
	Stockholm ...	29.27	39	2	0	o	29.19	-2.4	37	34	-1	NW	4	o	*	-	39	36	*	-
	Wisby ...	29.47	37	S	4	o	29.29	-2.8	38	36	+1	S	4	o	*	-	41	32	*	-
	Karlstad ...	29.30	37	SW	4	c	29.29	-1.1	35	32	-2	W	2	c	*	-	*	*	*	-
	Färder (X'ania Fjord) ...	29.28	37	SW	6	b	29.37	-0.5	36	34	-1	W	5	b	7	-	37	36	*	-
	Bodö ...	28.76	39	SW	6	r	28.80	+0.8	34	32	-4	S	2	bc	1	-	39	34	*	-
	Christiansund ...	28.98	37	W	6	o	29.15	+1.3	37	34	+2	WNW	9	s	7	-	39	35	*	0.71
BRITISH ISLANDS.	Skudesnaes ...	29.23	37	W	8	r	29.57	+1.6	39	36	-2	NW	7	o	5	c, f	41	36	*	*
	Sumburgh Head ...	29.17	38	W	4	o	29.44	+2.8	43	43	+2	W	5	o	7	r, o	43	35	*	0.21
	Stornoway ...	29.52	39	NW	7	c	29.66	+3.4	45	42	+6	WNW	6	o	6	bc, c	45	36	2.2	0.27
	Malin Head ...	29.84	44	WNW	8	bc, q	29.96	+3.5	45	43	+2	SW	8	aq	7	bc, bc, q	46	42	*	0.15
	Blacksod Pt. ...	30.04	47	WNW	6	cq, pm	30.11	+3.0	46	45	+1	SW	7	cq, pm	6	cq, pm	48	40	*	0.17
	Valencia ...	30.24	48	WNW	4	c	30.36	+3.0	45	44	-1	SW	4	op	5	bc, q, c	49	45	4.1	0.02
	Roche's Point ...	30.22	46	W	4	bc	30.38	+3.1	47	44	+4	WSW	3	o	2	b, bc	49	42	*	0.01
	Parsonstown ...	30.11	45	W	2	b	30.26	+3.2	45	42	+4	SW	3	o	*	b, p	47	40	4.6	0.01
GERMANY, &c.	Donaghadee ...	29.86	45	W	5	cq, p	30.09	+3.3	45	41	+5	W	4	eq	3	-	47	39	*	0.03
	Liverpool Obsy. ...	29.99	44	W	7	bc	30.27	+3.4	43	40	+1	W	4	b	3	bc	47	42	*	-
	Holyhead ...	30.03	46	WSW	6	c	30.29	+3.6	45	43	+2	WSW	4	c	3	c	47	41	*	-
	Pembroke (St. Ann's) ...	30.18	48	WSW	6	bc	30.37	+3.1	48	44	+2	W	5	cq, q	5	-	48	44	5.4	-
	Scilly (St. Mary's) ...	30.31	48	W	6	c	30.44	+2.6	49	47	+1	W	3	cp	5	c	51	46	6.8	0.02
	Jersey (St. Aubins) ...	30.40	48	WSW	4	bm	30.54	+2.6	43	42	-1	WSW	2	bc, m	2	b, bm, p	52	42	7.1	0.04
	Portland Bill ...	30.26	47	W	5	c	30.44	+2.5	46	44	+1	WNW	4	bc	3	bc, c	48	44	*	0.01
	Dungeness ...	30.21	46	W	5	b	30.41	+2.5	42	41	-1	WNW	4	bc, w	3	b	49	41	*	-
FRANCE.	Wick ...	29.39	35	NW	6	o	29.61	+3.1	42	40	+6	NW	5	cu	3	cl, r, sp, o	44	33	*	0.30
	Nairn ...	29.55	36	W	3	c	29.72	+3.2	44	41	+7	W	3	c	2	-	45	35	*	0.23
	Aberdeen ...	29.56	39	WSW	4	bc	29.82	+3.3	40	37	+1	SSE	2	bc	3	b, q, bc	44	37	4.6	0.03
	Leith ...	29.66	43	WSW	4	r	29.92	+3.2	45	42	+4	SW	4	c	*	-	46	39	*	0.03
	North Shields ...	29.72	45	WSW	4	c	30.04	+4.2	45	42	+2	SW	3	c	2	c, p	48	40	*	0.01
	Spurn Head ...	29.90	44	WSW	6	c	30.20	+3.2	41	41	+1	SSW	4	bc	2	-	47	38	*	-
	Yarmouth ...	30.00	45	W	4	bc	30.27	+2.6	40	39	-1	W	3	bm	3	b, bc	47	39	*	-
	Loughborough ...	30.19	44	W	4	bq	30.41	+2.9	41	40	+2	SW	2	b	*	bq	48	39	*	-
GERMANY, &c.	Oxford ...	30.18	46	W	4	b	30.39	+2.6	40	39	0	SW	1	bm	*	bc, p, b	49	39	3.9	-
	The Scaw (Skagen) ...	29.41	38	W	4	r	29.48	-1.1	38	38	-1	WNW	6	m	2	-	41	34	*	0.28
	Fanö ...	29.67	39	WSW	8	r	29.89	+0.9	37	35	+1	W	6	b	*	-	39	34	*	0.32
	Cuxhaven ...	29.95	38	WSW	4	b	30.04	+1.3	38	38	-1	W	5	bc	*	-	41	37	*	0.08
	The Helder ...	29.97	42	SW	7	b	30.21	+2.6	40	39	0	W	4	b	b	-	43	39	*	-
	Brussels ...	*	*	*	*	*	30.43	+3.2	37	37	-5	SW	2	c	*	-	46	37	*	-
	Berlin ...	30.07	39	W	3	b	30.03	0.0	41	40	+5	W	5	c	*	-	46	36	*	0.04
	Frankfurt ...	30.34	38	SW	2	b	30.38	+1.6	41	39	+7	SW	2	o	*	-	46	34	*	-
FRANCE.	Munich ...	30.36	41	SW	5	b	30.50	+1.7	34	34	+1	W	5	b	*	-	48	34	*	-
	C. Gris Nez ...	30.22	46	WSW	6	b	30.39	+2.8	44	42	+1	W	5	b	5	-	46	43	*	-
	Brest ...	30.44	48	W	3	bc	29.55	+2.5	48	46	0	NW	2	b	3	-	52	46	*	-
	Lorient ...	30.47	48	W	3	bc	30.56	+2.2	47	46	+2	NW	3	b	3	-	52	45	*	-
	Rochefort ...	30.47	46	NNW	3	c	30.57	+2.5	38	38	-4	SE	3	b	*	o, c	50	36	*	0.04
	Biarritz ...	30.53	53	W	2	bc	30.65	+2.2	37	37	-14	SE	2	m	5	-	57	37	*	-
	Paris ...	30.41	42	SW	3	b	30.54	+2.9	32	32	-6	SSW	3	b	*	-	47	32	*	-
	Belfort ...	30.39	41	WSW	4	b	30.38	+2.2	33	33	-3	WSW	3	f	*	-	49	32	*	-
SPAN. PEN.	Lyons ...	30.47	46	E	1	b	30.65	+1.9	35	33	+2	NW	1	b	*	-	51	33	*	-
	Nice ...	30.38	46	SW	4	b	30.41	-0.6	39	37	+1	ENE	2	b	2	-	54	37	*	-
	Perpignan ...	30.45	44	Z	0	b	30.54	+0.8	45	40	+3	W	2	b	*	-	57	39	*	-
	Corunna ...	30.44	49	N	2	b	30.45	-0.1	45	42	-1	NNE	4	b	*	-	54	43	*	-
SPAN. PEN.	Lisbon ...	30.53	57	SE	5	b	30.46	-0.8	56	51	+5	SE	5	bc	4	-	59	51	*	-
	Azores (P. Delgada) ... (Horta)	30.47	58	SSE	5	b	30.39	-1.0	59	57	+3	SSE	6	c	3	-	59	56	*	-

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, 29th January, 1903.

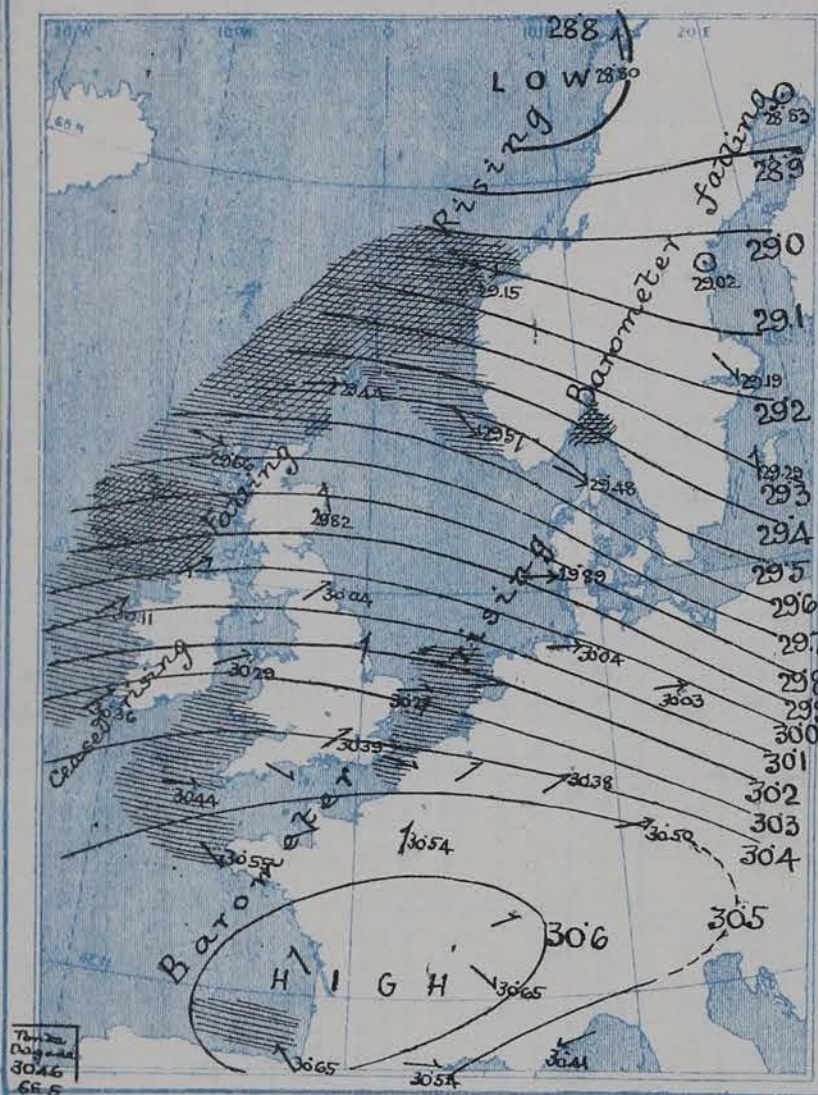
I. BAROMETER, WIND AND SEA. This Morning.

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

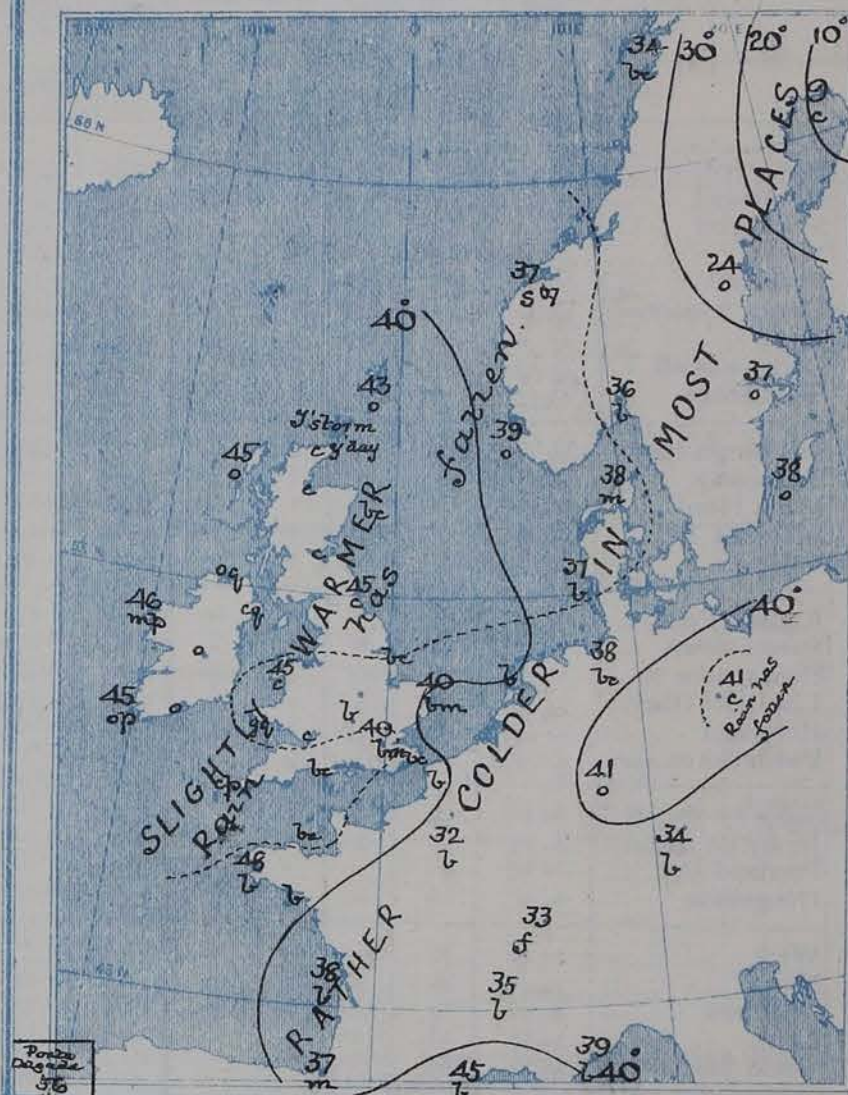


II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

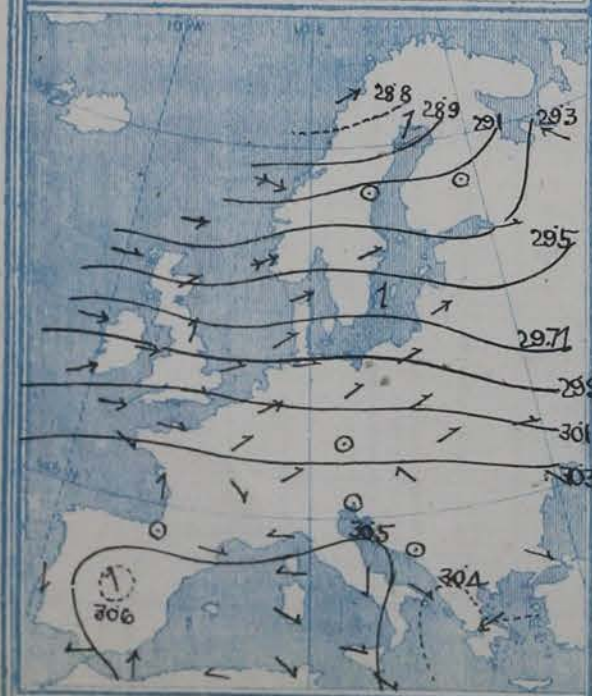
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

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

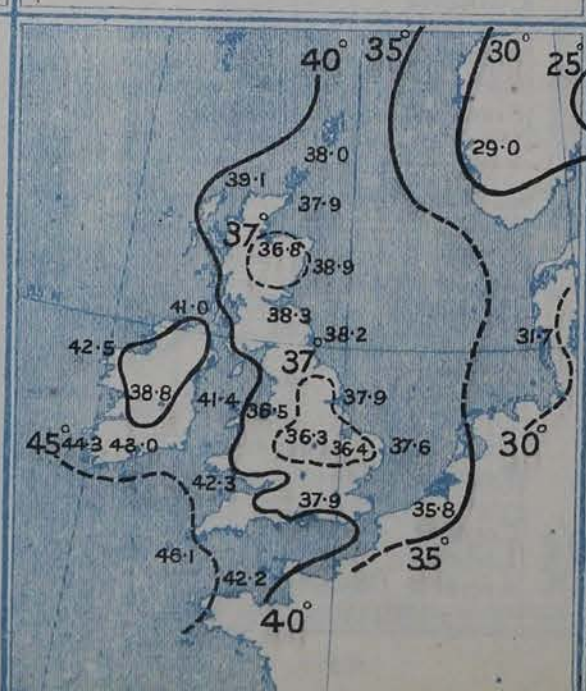
Yesterday morning.



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



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

Barometrical pressure remains highest, 30.4 in. and upwards, over the south of France, and is now lowest, 28.8 in. and less, in the north of Scandinavia, the gradients being rather steep over the northern parts of our area generally. The cyclonic systems in the north are now beginning to spread further south, and the barometer is falling at all the Continental stations, as well as on some parts of our own north and north-west coasts. In the south of our Islands the mercury is at present rising slowly.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind is W^{1/2} or S.W^{1/2} over Western Europe generally, and still blows strongly in many places, with a gale in the north of Ireland, and also in the west of Norway. A general fall of temperature has occurred at all but the French stations, and in Scotland the readings now differ but little from the average, the lowest reported being 36° at Wick and 37° at Nairn. Over England and Ireland the readings are still a trifle above the normal; on our south-west coasts the thermometer is a little above 45°. At most of the Continental stations the readings are below 40°, and in the northern parts of Sweden sharp frost is again reported, the thermometer standing as low as 16° at Haparanda and 19° at Hersonörsund. The weather is at present fine over the greater part of our area, but is showery at several of our own western and northern stations, with hail at Malin Head and sleet at Wick. Rain is falling over North Germany and the Netherlands, and snow at Christiansund. The sea is high at Dumburgh Head and Malin Head, rough at many of our western stations, and rather rough on the French coasts. During yesterday the thermometer rose above 50° at most of the English stations and to 56° at Jersey. The duration of bright sunshine was generally small, but at Jersey there was as much as 6.3 hrs. Rain has fallen over North-western Europe generally - heavily in the south of England and also in the Shetlands. Thunder and lightning occurred yesterday at Dumburgh Head, and lightning was seen at night at Blackhead Point.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The cyclonic conditions, recently confined to the more northern parts of our area, are now extending southwards. The barometrical changes in progress in these Islands are at present small and rather ill defined, but it is probable that secondary cyclonic areas will shortly appear off our northern coasts and move across the North Sea. The improvement in the weather now reported is therefore likely to be only temporary.

FORECASTS *

For the 24 hours ending at NOON on 29th January, 1903

DISTRICTS.

FORECASTS.

0	{ SCOTLAND NORTH	W ^{1/2} winds, moderate, to N.W. strong; changeable, some sleet showers.
1	{ SCOTLAND EAST	
2	{ ENGLAND N.E.	S.W ^{1/2} to W ^{1/2} winds, fresh; changeable, some cold showers.
3	{ ENGLAND EAST	
4	{ MIDLAND COUNTIES	W ^{1/2} winds, fresh; fine to-day, some showers probable to-morrow.
5	{ ENGLAND SOUTH	



DISTRICTS.

FORECASTS.

6	{ SCOTLAND WEST	W ^{1/2} or N.W ^{1/2} winds, strong in places; squally, some cold showers.
7	{ ENGLAND N.W.	
8	{ ENGLAND S.W.	
9	{ IRELAND NORTH	
10	{ IRELAND SOUTH	

WARNINGS

The South Cone is still flying in districts 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 (), 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. Dry. Wet. Change.			Wind.	Weather.	Sea.	Weather.	Temperature Max. Min.	Sun- shine Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	b	*	b, r	49 39	3.8	0.16
Newton Reigny (Penrith)	29.87	42	SW 3	o	29.76	-0.7	41	40	-3	WSW 5	o	ogq	45 39	0.0	0.02
Bath	30.06	46	SW 1	r	30.13	+0.5	41	39	-11	SW 2	o	*	53 37	0.0	0.54

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	43	o, c	0.6	0.13	Eastbourne, ...	*	*	*	2.4	*
Rhyl,	*	*	*	0.8	*	Hastings	*	*	*	3.4	*
Llandudno	*	*	*	0.1	*	Lowestoft, to 6 p.m. ...	*	*	*	*	*
Aberystwyth, to 6 p.m. ...	46	44	o	0.0	0.22	Harrogate, to 6 p.m. ...	51	43	o, m, o	0.1	0.10
Plymouth, to 9 p.m. ...	51	44	o	0.0	0.47	Manchester, to 9 p.m. ...	52	43	r, o, bc	0.1	0.21
Worthing	*	*	*	1.3	*	Darwen, to 9 p.m. ...	48	40	r, o, cu	0.0	0.62
Brighton	*	*	*	1.5	*	Birmingham, to 9 p.m. ...	50	42	o, r	0.1	0.21

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.		
27. 1. 03									
Madeira (Funchal) ...	66	48	b b	Ins.	Algiers	61	46	b b	Ins.
Madrid	59	36	b b	—	Tunis	55	45	o o	—
Corsica (I. Sanguinaires) ...	57	43	f f	—	Vienna	43	41	o o	—
Rome	53	36	b b	—	St. Petersburg ...	12	-2	5 o	—
Florence	48	27	b b	—	Lugano ... 26. 1. 03	39	—	1 p.m. b	Measured 7 a.m.
Trieste	43	36	b b	—	Davos	37	—	b	—
Naples	53	44	b b	—	Lucerne	39	—	b	—
Palermo	62	41	o b	—	Lausanne	39	—	b	—
Malta	57	52	? 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); 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.

28. 1. 1903	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	h. m. 7. 44	h. m. 12. 6	h. m. 4. 28
Greenwich	7. 47	12. 13	4. 39
Wick	8. 30	12. 25	4. 19
Valencia	8. 30	12. 54	5. 18

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

FRIDAY 30TH JANUARY

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.	Dirac.	Force (0 to 12.)		Weather.	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.
SCANDINAVIA.	Haparanda ...	28.93	7	Z	0	b	28.86	+0.3	17	16	+8	Z	0	b	*	-	17	7	*	-	
	Hernösand ...	29.13	30	Z	0	b	28.80	-0.22	29	28	+5	SW	4	bc	*	-	32	23	*	-	
	Stockholm ...	29.36	37	SW	4	o	29.10	-0.09	43	39	+6	W	6	o	*	-	43	34	*	-	
	Wisby ...	29.51	37	W	4	b	29.28	-0.01	40	39	+2	W	6	o	*	-	40	32	*	-	
	Karlstad ...	29.32	39	SW	6	o	29.17	-0.12	42	41	+7	WSW	6	c	*	-	*	*	*	-	
	Færder (X'ianla Fjord) ...	29.33	39	SSW	6	c	29.25	-0.12	39	37	+3	W	6	b	5	-	39	36	*	-	
	Bodö ...	28.90	33	SSW	4	o	28.35	-0.45	33	32	-1	SSW	4	S	2	-	34	30	*	-	
	Christiansund ...	28.95	39	W	7	r	28.89	-0.26	35	32	-2	NW	9	S	8	+2	39	34	*	0.51	
	Skudesnaes ...	29.33	42	SW	10	r	29.47	-0.10	42	40	+3	W	7	o	5	0.7	43	39	*	*	
	Sumburgh Head ...	29.05	46	WSW	6	o	29.40	-0.04	42	40	-1	W	5	o	7	+0	47	38	*	0.38	
BRITISH ISLANDS.	Stornoway ...	29.38	50	WSW	7	r	29.59	-0.07	42	40	-3	WNW	3	o	3	+	51	40	0.0	0.50	
	Malin Head ...	29.78	47	SW	9	ogpm	29.78	-0.18	48	48	+3	SW	8	ompq	7	0.0qpm	48	45	*	0.02	
	Blacksod Pt. ...	30.00	49	WSW	8	ogpm	29.89	-0.22	49	48	+3	SW	7	capm	6	ogpm	49	44	*	0.03	
	Valencia ...	30.26	48	SW	4	omp	30.15	-0.21	48	46	+3	S	4	o	5	ogp,omp	50	45	0.4	0.09	
	Roche's Point ...	30.28	48	WSW	5	c	30.21	-0.17	48	47	+1	WNW	3	o	4	o,c	49	47	*	0.01	
	Parsonstown ...	30.18	47	SW	2	ogu	30.07	-0.19	48	46	+3	WSW	5	ogu	*	ogu	49	44	0.5	-	
	Donaghadee ...	30.01	49	W	4	c	29.96	-0.13	49	48	+4	W	3	c	2	-	49	43	*	-	
	Liverpool Obsy. ...	30.14	47	WSW	7	o	30.05	-0.22	46	44	+3	W	8	b	6	o	48	42	*	-	
	Holyhead ...	30.17	47	WSW	7	ogm	30.11	-0.18	47	46	+2	SW	7	om	6	og,ogm	48	43	*	-	
	Pembroke (St. Ann's) ...	30.31	47	SW	6	o	30.24	-0.13	47	46	-1	SW	6	cg	6	o,p	48	45	0.6	0.02	
GERMANY, &c.	Scilly (St. Mary's) ...	30.42	50	W	5	cp	30.33	-0.11	49	47	0	WSW	5	cp	5	c,cp	52	46	3.0	0.01	
	Jersey (St. Aubins) ...	30.54	48	WSW	3	bm	30.49	-0.05	46	45	+3	SW	4	o	3	bc,bm,g	51	43	6.4	0.01	
	Portland Bill ...	30.43	47	W	5	c	30.37	-0.07	45	45	-1	W	6	cap	4	c	48	44	*	0.01	
	Dungeness ...	30.38	46	W	5	b	30.34	-0.07	45	44	+3	W	6	bc	3	b	49	41	*	-	
	Wick ...	29.32	40	NW	8	o	29.57	-0.04	42	40	0	NW	3	bc	2	-	44	33	*	0.09	
	Nairn ...	29.47	49	WSW	4	o	29.62	-0.10	43	42	-1	W	2	cp	1	op	51	41	*	0.47	
	Aberdeen ...	29.52	51	WSW	6	b	29.68	-0.14	45	44	+5	E	2	o	2	c,b	52	39	0.3	0.03	
	Leith ...	29.71	49	WSW	6	bc	29.75	-0.17	50	48	+5	WSW	6	r	*	-	50	45	*	0.02	
	North Shields ...	29.89	48	SW	4	o	29.89	-0.15	51	49	+6	SW	4	o	2	c,o	51	44	*	-	
	Spurn Head ...	30.10	45	WSW	5	c	30.04	-0.16	46	45	+5	SW	5	c	4	-	47	41	*	-	
FRANCE.	Yarmouth ...	30.20	46	WSW	5	bc	30.10	-0.17	45	42	+5	W	4	c	3	bc	47	39	*	-	
	Loughborough ...	30.34	46	SW	5	o	30.29	-0.12	45	43	+4	SW	3	og	*	o,q	48	41	*	-	
	Oxford ...	30.35	47	W	5	c	30.30	-0.09	46	42	+6	WSW	6	c	*	b,o,c	50	40	2.3	-	
	The Scaw (Skagen) ...	29.47	40	W	5	r	29.43	-0.05	42	42	+4	W	7	m	2	-	43	37	*	0.04	
	Fanö ...	29.84	39	WSW	8	o	29.82	-0.07	39	39	+2	WSW	6	o	*	-	39	36	*	0.04	
	Cuxhaven ...	30.13	40	WSW	6	o	30.03	-0.01	41	40	+3	WSW	7	o	*	-	41	38	*	-	
	The Helder ...	30.19	42	SW	6	c	30.13	-0.08	42	41	+2	SW	6	c	4	-	43	40	*	-	
	Brussels ...	*	*	*	*	*	30.40	-0.03	43	41	+6	SW	6	o	*	-	48	37	*	-	
	Berlin ...	30.20	41	W	5	o	30.12	+0.09	44	41	+3	W	5	o	*	-	45	41	*	-	
	Frankfurt ...	30.50	41	SW	2	o	30.45	+0.07	41	39	0	SW	4	o	*	-	45	39	*	-	
SPAN. PEN.	Munich ...	30.58	33	SW	5	b	30.55	+0.05	29	28	-5	SW	5	b	*	-	41	28	*	-	
	C. Gris Nez ...	30.38	46	WSW	6	b	30.30	-0.09	46	43	+2	WSW	6	c	6	-	48	43	*	-	
	Brest ...	30.63	48	WNW	2	c	30.47	-0.08	49	48	+1	WSW	3	o	4	-	52	48	*	-	
	Lorient ...	30.58	47	Z	0	b	30.54	-0.03	35	35	-3	SSE	1	f	*	b	54	34	*	0.04	
	Rocheport ...	30.63	46	E	3	b	30.55	-0.10	37	37	0	SE	3	b	4	-	50	36	*	-	
	Paris ...	30.59	38	NNW	3	o	30.57	+0.03	38	37	+6	SW	3	o	*	-	46	32	*	-	
	Belfort ...	30.61	37	WSW	2	m	30.63	+0.05	30	30	-3	WSW	4	f	*	-	47	27	*	-	
	Lyons ...	30.65	38	NW	2	b	30.69	+0.04	32	32	-3	WNW	1	o	*	-	46	30	*	-	
	Nice ...	30.48	49	ENE	2	bc	30.56	+0.15	43	41	+4	E	1	c	2	-	52	39	*	-	
	Perpignan ...	30.56	48	NW	3	b	30.59	+0.05	32	31	-13	SW	2	b	*	-	58	31	*	-	

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

ERRATUM: In yesterday's report the barometer reading at Brest at 8 a.m. should read 30.55 ins.

WEATHER CHARTS

FOR *FRIDAY, 30th JANUARY, 1903.*

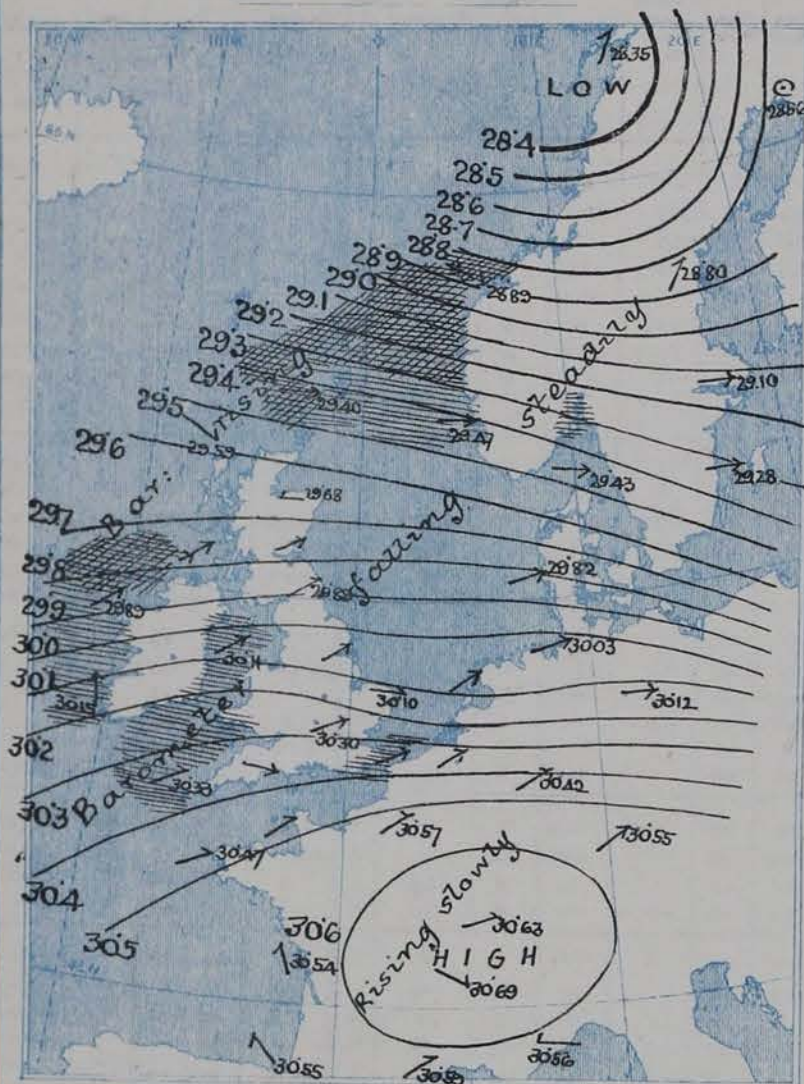
I. BAROMETER, WIND AND SEA. *This Morning.*

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

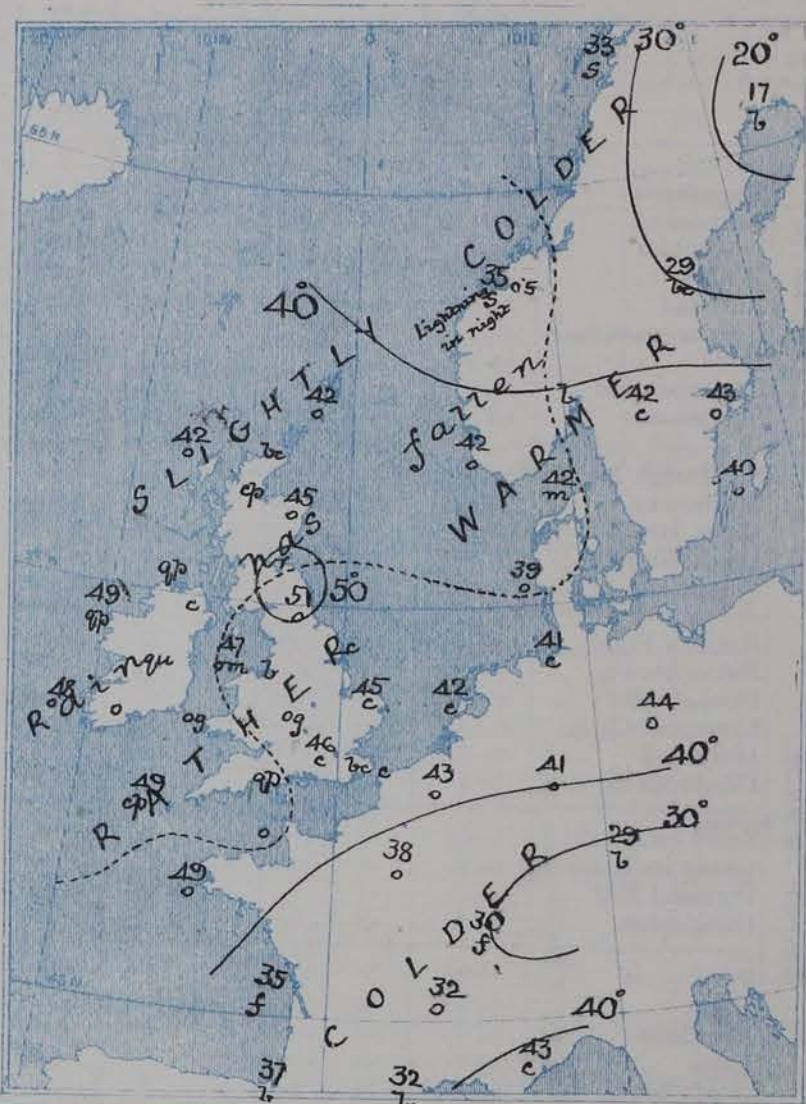


II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

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

RAINFALL.—without rain. The fall in past 24 hours when exceeding half an inch is shown thus — 0.6

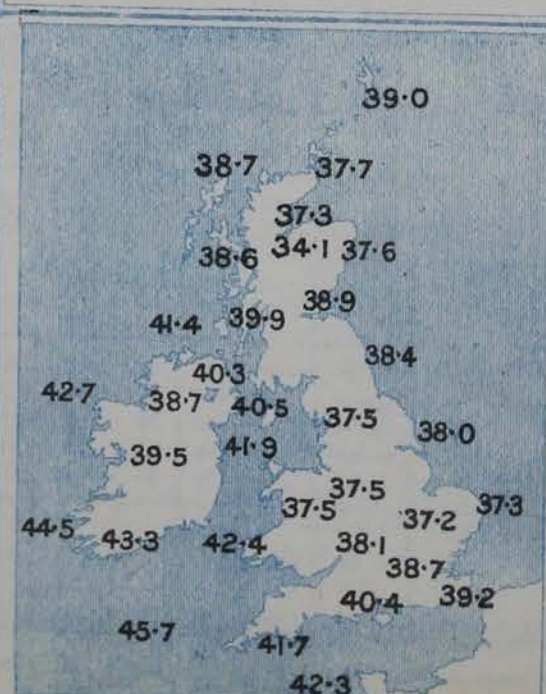


III. BAROMETER AND WIND

Yesterday morning.



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



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 barometer is still highest, 30.6 ins. and upwards, over the southern parts of France, but the anticyclone recently noticed in that region has extended its borders over all the more southern parts of the United Kingdom, and the mercury is at present rising over a considerable portion of Western Europe. On our own extreme north and north-west coasts, however, a fresh fall has set in during the night. The lowest pressures, 28.8 ins. and less, are found in a cyclonic system lying off the coasts of Finmark, and the barometric gradients remain steep over all the more northern parts of our area.

WIND

TEMPERATURE

WEATHER

AND

SEA

W^{ly} or S.W^{ly} winds continue to prevail over North-western Europe generally, and are strong to a gale in force in the north of Ireland, as well as on the eastern shores of the North Sea. Over the northern parts of France, however, the wind is light and variable, while in the Gulf of Bothnia it is calm. Temperature has risen slightly in these islands, but has fallen at most of the Continental stations. The readings over the United Kingdom are again above the average, the thermometer standing at 46° or still higher in many places, in London, however, and at Aberdeen and Yarmouth the reading is only 40°. Over South Germany and central France the readings are below 35°, while in the northern parts of Sweden they are considerably below the freezing point. The weather is fine over Great Britain and the western parts of the Continent, but is dull in Ireland and the west and north of Scotland, as well as at most of the Scandinavian stations; showers are reported in the west of Ireland, and snow at Christiansund. The sea is high at Lumburgh Head and Malin Head, and also on the Norwegian coasts, and rough, or rather so, on most parts of our own western coasts. During yesterday the thermometer rose above 45° at all but our extreme northern stations, the highest readings reported being 52° at Jersey and 51° at Scilly. The amount of bright sunshine was large, especially on our south coasts, where more than 7 hours were recorded in several places. Slight rain fell in many parts of North-western Europe, and thunder and lightning occurred at Wick.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A cyclonic disturbance is approaching our extreme north-west coasts and is likely to cause a considerable increase of wind from S.W. and W. over the northern parts of the Kingdom generally, with squally, unsettled weather. Showers will probably extend to our southern districts in the course of the ensuing 24 hours.

FORECASTS *

For the 24 hours ending at NOON on 30th January, 1903

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

0 ∇ SCOTLAND
NORTH

W^{ly} to S.W^{ly} winds, increasing to a gale;
dull, squally, some rain.

1 ∇ SCOTLAND
EAST

S.W^{ly} winds, freshening considerably;
fair at first, some rain later.

2 { ENGLAND
N.E.

3 { ENGLAND
EAST

4 { MIDLAND
COUNTIES

5 { ENGLAND
SOUTH

W^{ly} and S.W^{ly} winds, freshening; fair
at first, some showers later.

6 ∇ SCOTLAND
WEST

S.W^{ly} and W^{ly} gales and strong winds;
squally, some rain.

7 { ENGLAND
N.W.

S.W^{ly} and W^{ly} winds, increasing in force;
fair at first, some rain later.

8 { ENGLAND
S.W.

W^{ly} winds, freshening; changeable, some showers.

9 ∇ IRELAND
NORTH

Same as No. 6.

10 { IRELAND
SOUTH

S.W^{ly} and W^{ly} winds, strong; squally, showery.

WARNINGS

At 1.45 p.m. yesterday to districts 0, 6
and part of 1, and at 9.45 a.m. to-day
to part of district 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. Ins. Change.	Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
						Dry.	Wet.	Change.					Max.	Min.		
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	W 3	*	b	46	37	7.0	-
Newton Reigny (Penrith) ...	29.83	43	W 6	o	30.11 +.35	43	41	+2	WSW 4	o	*	c, oq†	44	40	0.5	0.02
Bath	30.20	46	SW 5	o	30.41 +.28	44	43	+3	W 3	c	*	-	49	42	6.0	0.03

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	c, b	1.8	-	Eastbourne, to ...	*	*	*	7.2	*
Rhyl, ...	*	*	*	4.3	*	Hastings ...	*	*	*	7.2	*
Llandudno ...	*	*	*	3.7	*	Lowestoft, to 6 p.m. ...	48	38	o, r, b	5.7	0.20
Aberystwyth, to 6 p.m. ...	46	44	c	4.3	-	Harrogate, to 6 p.m. ...	45	38	o, c, o	0.9	-
Plymouth, to 9 p.m. Not recd.	*	*	*	7.0	*	Manchester, to 9 p.m. ...	47	36	b, c, b, q	2.3	-
Worthing ...	*	*	*	6.3	*	Darwen, to 9 p.m. ...	42	36	o, q, c, q	0.0	-
Brighton ...	*	*	*	6.3	*	Birmingham, to 9 p.m. ...	47	36	b, c	4.6	0.03

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

STATIONS. 28 th JANUARY	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max. °	Min. °				Max. °	Min. °		
Madeira (Funchal) Not recd.				Ins.	Algiers ...	63	48	b, b	Ins.
Madrid ...	55	27	b, b	-	Tunis ...	57	41	c, o	-
Corsica (I. Sanguinaires) ...	55	46	m, m	-	Vienna ...	59	28	c, f	-
Rome ... Not recd.				-	St. Petersburg ...	43	10	s, o	0.24 Measured 7 a.m.
Florence ...	49	34	b, o	-	27 th JANUARY.	1 p.m.		1 p.m.	
Trieste ...	45	36	b, f	-	Lugano ...	41	-	b	-
Naples ...	55	46	b, b	-	Davos ...	37	-	b	-
Palermo ...	62	42	b, b	-	Lucerne ...	41	-	b	-
Malta ...	58	52	b, b	-	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.

	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.

29 th JAN., 1903	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ...	7.42	12.6	4.30
Greenwich ...	7.46	12.13	4.41
Wick ...	8.28	12.25	4.22
Valencia ...	8.28	12.54	5.20

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 SATURDAY 31ST JANUARY

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.)	Weather.	Max.	Min.								
Ins.	°			Ins.	Ins.	°	°														
SCANDINAVIA.	Haparanda ...	28.63	21	Z	0	0	29.18	+32	19	18	+2	Z	0	0	*	-	25	5	*	0.12	
	Hernösand ...	28.97	35	W	9	0	29.38	+58	29	27	0	W	4	0	*	-	36	7	*	-	
	Stockholm ...	29.33	39	W	6	0	29.54	+44	36	32	-7	W	4	0	*	-	43	32	*	-	
	Wisby ...	29.47	38	WSW	6	0	29.65	+37	37	36	-3	NW	2	+	*	-	41	32	*	-	
	Karlstad ...	29.48	38	WSW	4	0	29.55	+38	35	34	-7	SW	2	0	*	-	39	36	*	-	
	Færder (X'ania Fjord)	29.50	37	WSW	4	0	29.47	+22	36	?	-3	SW	5	0	3	-	37	32	*	-	
	Bodö ...	28.81	37	NW	4	0	29.16	+81	33	32	0	S	2	S	1	-	37	32	*	-	
	Christiansund ...	29.34	38	WNW	9	0	29.21	+32	35	?	0	ESE	4	S	7	-	37	34	*	0.08	
BRITISH ISLANDS.	Skudesnaes ...	29.63	39	Z	0	+	29.53	+06	44	42	+2	WSW	4	0	5	+	47	37	*	*	
	Sumburgh Head	29.43	40	W	3	0	29.25	-15	46	45	+4	SW	4	0	6	+,0	46	39	*	0.41	
	Stornoway ...	29.42	51	WSW	6	+	29.24	-35	47	45	+5	SW	8	0	8	d, +	51	40	0.0	0.42	
	Malin Head ...	29.72	48	SW	8	oqpm	29.45	-33	45	43	-3	SW	7	cq	6	o, oqpm	48	45	*	0.02	
	Blacksod Pt. ...	29.80	49	SW	8	oqpm	29.36	-53	46	45	-3	SSW	8	cqpm	6	oqpm	50	44	*	0.04	
	Valencia....	30.03	47	S	4	omgp	29.53	-62	47	44	-1	S	6	op	6	omgp	50	45	0.0	0.07	
	Roche's Point ...	30.10	48	WSW	2	0	29.65	-56	48	46	0	SSW	7	orq	5	0	49	45	*	0.06	
	Parsonstown ...	29.99	48	SSW	3	0	29.58	-49	45	43	-3	SE	4	cpq	*	0	50	44	0.0	-	
GERMANY, &c.	Donaghadee ...	29.93	50	WSW	3	0	29.64	-32	46	42	-3	SW	4	ogq	3	-	50	44	*	-	
	Liverpool Obsy.	30.06	46	WSW	2	0	29.81	-24	43	41	-3	SSW	3	bc	3	c	49	43	*	-	
	Holyhead ...	30.04	47	SW	8	oqpm	29.74	-37	46	45	-1	S	8	cqm	6	oqpm	48	43	*	-	
	Pembroke (St. Ann's)	30.19	47	SW	6	c	29.81	-43	47	46	0	SSW	7	cqg	6	c, qg	48	44	2.8	0.03	
	Scilly (St. Mary's)...	30.25	48	SW	5	op	29.83	-50	48	46	-1	S	7	op	6	o, op	50	45	1.1	0.03	
	Jersey (St. Aubins)...	30.41	47	SW	4	og	30.10	-39	43	41	-3	SSE	5	og	4	c, og	49	40	0.0	-	
	Portland Bill ...	30.31	46	W	4	c	30.02	-35	44	43	-1	SSW	5	c	3	c	48	42	*	0.02	
	Dungeness ...	30.30	47	W	5	c	30.11	-23	42	41	-3	SW	5	c	3	c	49	42	*	0.01	
FRANCE.	Wick ...	29.43	43	S	2	+	29.31	-26	44	42	+2	S	3	bc	2	-	45	38	*	0.30	
	Nairn ...	29.52	48	W	4	+	29.36	-26	45	42	+2	W	4	bc	2	-	49	42	*	0.22	
	Aberdeen ...	29.61	51	SW	2	0	29.48	-20	45	42	0	SSW	3	bc	2	bc, b	54	44	0.0	-	
	Leith ...	29.71	50	WSW	5	bc	29.58	-17	45	42	-5	SW	4	c	*	-	52	44	*	-	
	North Shields ...	29.88	50	SW	3	0	29.71	-18	46	43	-5	SW	3	bc	2	0	51	44	*	-	
	Spurn Head ...	30.03	47	WSW	5	c	29.89	-15	44	43	-2	WSW	4	c	3	-	49	43	*	-	
	Yarmouth ...	30.13	46	W	5	bc	30.03	-07	45	41	0	WSW	3	c	3	bc	48	41	*	-	
	Loughborough ...	30.22	47	SW	4	0	30.01	-28	41	39	-4	S	3	bc	*	o, bc	48	40	*	-	
SPAN. PEN.	London (Brixton)	30.25	48	WSW	5	c	30.05	-25	41	38	-5	S	4	b	*	bc, o, c	50	40	1.0	-	
	The Scaw (Skagen)	29.63	39	WNW	6	m	29.62	+19	42	42	0	W	7	m	2	-	43	37	*	-	
	Fanö ...	29.91	39	SW	8	0	29.91	+09	38	37	-1	SW	6	c	*	-	41	37	*	0.08	
	Cuxhaven ...	30.08	42	WSW	7	0	30.07	+04	41	40	0	WSW	6	0	*	-	43	41	*	-	
	The Helder ...	30.13	42	SW	4	0	30.06	-07	43	41	+1	SW	3	0	3	-	45	41	*	-	
	Brussels ...	*	*	*	*	*	30.23	-17	39	36	-4	SW	4	0	*	-	45	39	*	-	
	Berlin ...	30.16	44	WSW	4	0	30.15	+03	43	41	-1	W	2	0	*	-	45	43	*	-	
	Frankfurt ...	30.41	42	SW	2	0	30.34	-11	37	35	-4	SW	2	0	*	-	45	36	*	-	
SPAN. PEN.	Munich ...	30.50	33	SW	5	0	30.39	-16	23	22	-6	SSE	2	0	*	-	39	23	*	-	
	C. Gris Nez ...	30.25	46	WSW	6	bc	30.10	-20	40	39	-6	SW	5	bc	5	-	48	39	*	-	
	Brest ...	30.32	48	S	3	0	30.03	-44	49	48	0	S	4	b	4	-	52	45	*	-	
	Lorient ...	30.41	46	S	3	bc	30.09	-46	46	46	0	SSE	3	bc	3	-	52	39	*	-	
	Rochefort ...	30.41	45	SE	3	0	30.21	-33	37	37	+2	SSE	4	b	*	bc, b	50	30	*	-	
	Biarritz ...	30.45	53	ESE	1	0	30.30	-25	49	46	+12	S	4	b	2	-	57	37	*	-	
	Paris ...	30.49	42	SW	2	0	30.31	-26	30	30	-8	S	3	m	*	-	44	30	*	-	
	Belfort ...	30.53	30	WSW	4	f	30.41	-22	23	23	-7	Z	0	f	*	-	37	23	*	-	
SPAN. PEN.	Lyons ...	30.60	32	SSE	1	c	30.46	-23	30	27	-2	SW	1	f	*	-	34	29	*	-	
	Nice ...	30.51	47	Z	0	c	30.47	-09	40	38	-3	E	1	c	2	-	54	39	*	-	
	Perpignan ...	30.32	45	Z	0	0	30.38	-21	38	36	+6	W	2	0	*	-	50	32	*	-	
SPAN. PEN.	Corunna ...	30.29	52	E	3	0	30.23	-16	49	49	+7	N	2	0	*	-	55	42	*	0.24	
	Lisbon ...	30.11	59	W	4	0	30.21	00	56	53	-3	NNE	5	+	4	-	63	55	*	0.12	
	Azores (P. Delgada)	30.14	57	NNW	1	0	30.25	+15	55	49	-5	NE	3	0	2	-	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, 31st January, 1903.*

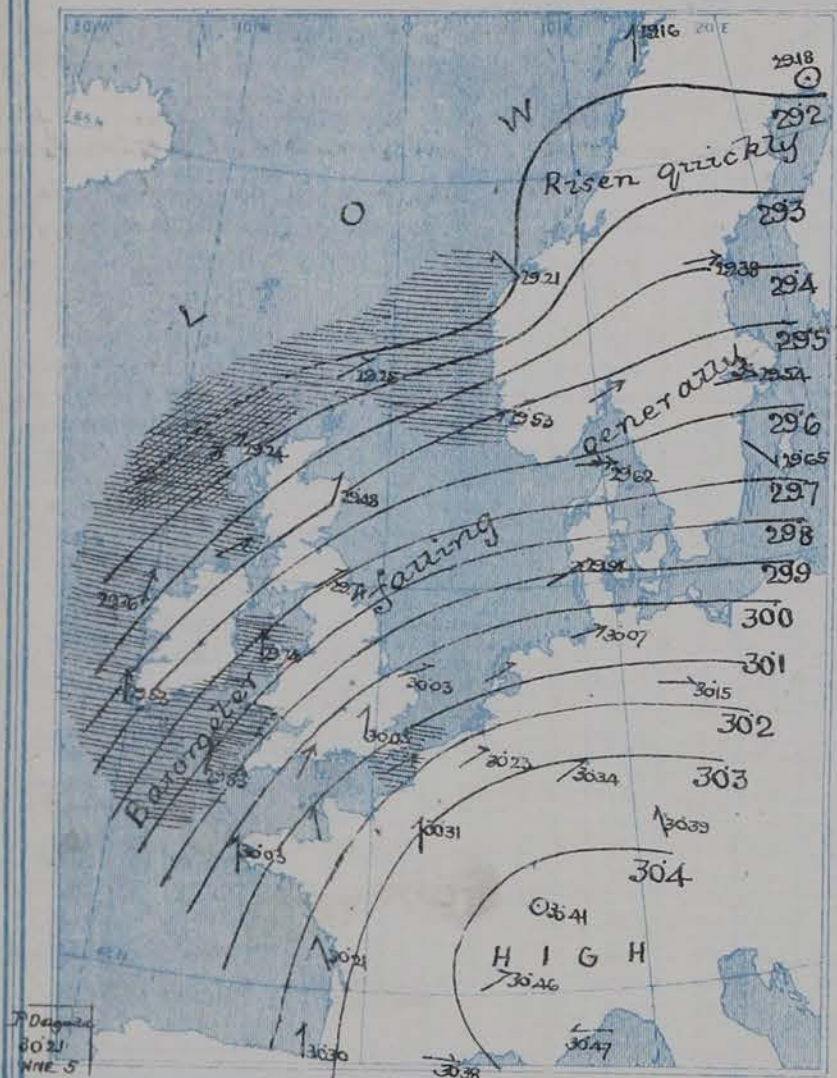
I. BAROMETER, WIND AND SEA. *This Morning.*

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 

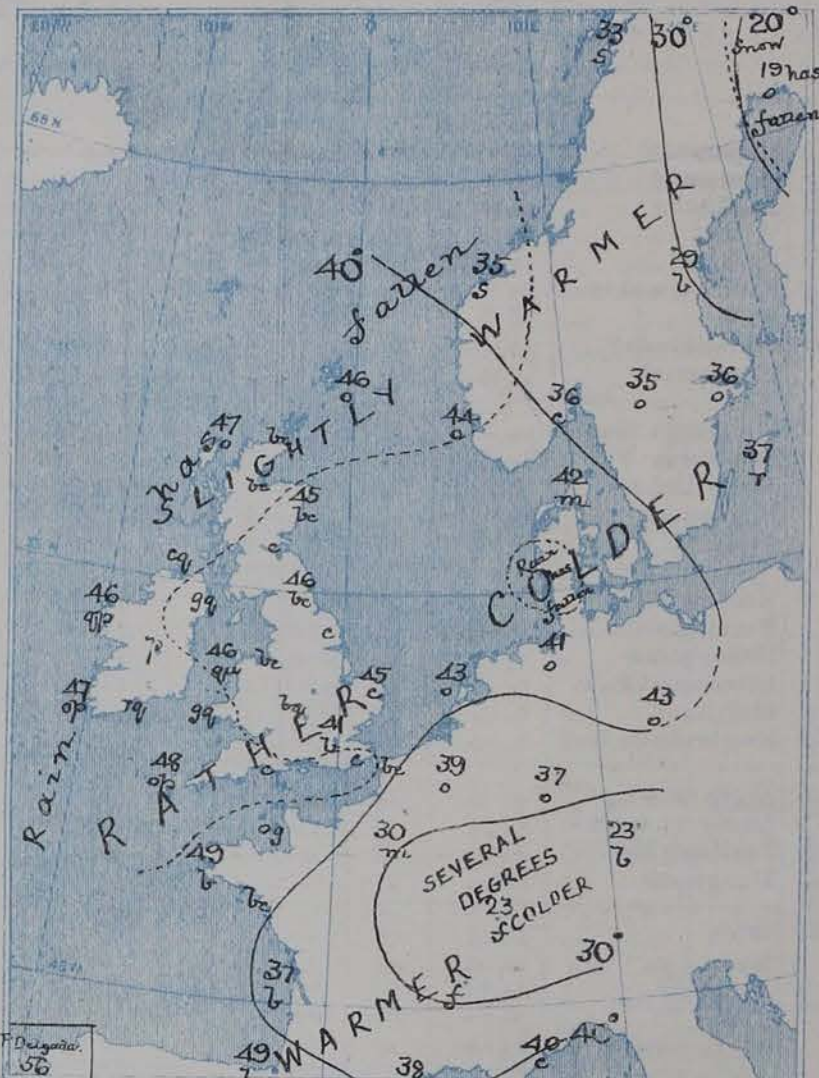


II. TEMPERATURE AND WEATHER. *This Morning.*

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



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 general distribution of pressure remains unchanged. Cyclonic systems are still passing in rapid succession across the northern parts of our area, and while the barometer is rising slightly in Scotland in the rear of the disturbance which skirted our northern coasts yesterday, it is again falling steadily in the west of Ireland, and to a less extent over France and England generally. The highest readings, 30.6 ins. and upwards, are reported over central France, and the lowest, 28.4 ins. and less, in a cyclonic area off the coast of Finnmark, and gradients, though at present slight over Scotland, are steep over North-western Europe generally.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind remains W^{ly} or S.W^{ly} over all but the extreme southern parts of our area, and blows strongly in many places, with a gale over the Irish Sea and the north of Ireland, as well as in the west of Norway. In the south of France light variable breezes are reported.

Temperature has risen over our Islands and the northern parts of the Continent generally. The readings over the United Kingdom are now above 45° at all but our most northern stations, the highest reported being 51° at Shields and 50° at Leith, where the thermometer is 12° or 13° above its average height for the time of year. Over South Germany and central France the thermometer has fallen below the freezing point, the readings being as low as 29° at Munich and 30° at Belfort.

The weather is cloudy and unsettled over Western Europe generally, with showers in many parts of the United Kingdom, and snow in the west of Norway. In the south of France and over the Gulf of Bothnia the weather is fine. The sea is high at Dumburgh Head and Malin Head, and rough on our western and extreme northern coasts generally, as well as at Cape Gris-Nez.

During yesterday the thermometer rose to 50° or slightly above it in several parts of the United Kingdom. Rain fell at most of our western and northern stations and also on the eastern shores of the North Sea, and lightning was seen at Christiansund at night. The amount of bright sunshine was small in the north, but large in the south, some of the Channel stations reporting more than 6 hours.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A new cyclonic system is approaching from the Atlantic, and will probably skirt our extreme north-western and northern coasts. The wind is likely to increase to a gale over the northern parts of the Kingdom generally, and to freshen considerably in the south, with a continuance of mild showery weather in most districts.

FORECASTS*

For the 24 hours ending at NOON on 31st January, 1903

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

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

S.W^{ly} and W^{ly} winds, increasing in force; squally, with occasional rain.

S.W^{ly} winds, increasing in force; cloudy, showery.

S.W^{ly} winds, freshening considerably; fair generally, but showers in a few places.

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

S.W^{ly} to W^{ly} gales and strong winds; squally, some rain.

S.W^{ly} to W^{ly} winds, strong; squally, showery.

Same as Nos. 6 and 7.

WARNINGS

At 0.40 pm. yesterday to districts 1, 2 and 7, and at 3.15 pm. to districts 10 and part of 8, Hoist South Cone. The signals are also flying in districts 0, 6 and 9.

Note.—The South Cone, point downwards ($\overline{\text{N}}$), 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 ($\overline{\text{N}}$), 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	*	*	*	*	*	*	*	*	*	*	c	*	b.c	47	39	5.0	-
Newton Reigny (Penrith)	29.96	45	SW 8	0	29.92	-19	45	45	+2	SW 6	+	*	o.g.t	47	42	0.0	0.03
Bath	30.37	47	SW 6	0	30.30	-11	45	43	+1	SW 4	0	*	-	49	44	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....	47	42	b.c, 0	0.3	-	Eastbourne,	47	42	*	6.3	*
Rhyl,	*	*	*	2.3	*	Hastings	*	*	*	6.3	*
Llandudno	*	*	*	2.2	*	Lowestoft, to 6 p.m. ...	49	39	b, 0	5.0	-
Aberystwyth, to 6 p.m. ...	47	44	c, 0	0.0	0.02	Harrogate, to 6 p.m. ...	45	42	cp, c	0.0	0.07
Plymouth, to 9 p.m....	50	42	o, c, b	1.8	-	Manchester, to 9 p.m. ...	48	40	c, b, 0	0.0	-
Worthing	*	*	*	5.9	*	Darwen, to 9 p.m. ...	45	38	o, g	0.1	-
Brighton	*	*	*	5.0	*	Birmingham, to 9 p.m. ...	46	39	c, o, c	0.4	-

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.		
29. 1. 03									
Madeira (Funchal)	63	36	c 0	Ins. 0.04	Algiers	61	50	b b	Ins.
Madrid	43	28	b b	-	Tunis	63	41	c b, c	-
Corsica (I. Sanguinaires) ...	55	46	f f	-	Vienna	52	27	m b, c	-
Rome	54	33	b b, c	-	St. Petersburg... ..	36	21	o r	-
Florence	54	44	o 0	-	Lugano ... 28. 1. 03	1 p.m. 41	-	1 p.m. b	Measured 7 a.m.
Trieste	46	37	b 0	-	Davos	39	-	b	-
Naples	57	46	b 0	-	Lucerne	45	-	b	-
Palermo	62	45	b 0	-	Lausanne	45	-	b	-
Malta... ..	58	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.

30. 1. 1903	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	7.41	12.6	4.32
Greenwich	7.44	12.13	4.43
Wick	8.26	12.25	4.25
Valencia	8.27	12.54	5.22

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

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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.

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.			
		At 32° and M.S.L.	Dry Bulb.	Dirac.	Force (0 to 12).		At 32° Fahr. and M.S.L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Dirac.			Force (0 to 12).	Max.			Mfn.		
Ins.	°					Ins.	Ins.	°	°	°							Hours.	Ins.			
1 st	Jersey.	29.53	44	NNW	4	c	29.67	+32	44	41	+2	SW	4	c	3	c, g, r	48	38	5.3	0.12	
"	Brussels.	-	-	-	-	-	29.65	-	33	-	-	SW	3	bc	-	-	37	33	-	0.04	
"	Lisbon.	30.12	51	WSW	3	r	30.13	-	54	53	-	SW	4	o	-	-	54	50	-	0.08	
2 nd	Jersey.	29.74	45	SSW	3	ot	29.62	-15	50	49	+6	SSW	6	r	5	bc, o, r, g	50	43	1.5	0.52	
"	Corunna.	30.01	55	WSW	3	o	29.97	-	57	54	-	SW	5	o	5	-	59	50	-	-	
"	Lisbon.	30.27	54	W	2	o	30.28	+15	53	49	-1	Z	0	b	-	-	59	52	-	-	
"	P. Delgada.	30.12	63	SSW	6	o	29.99	-25	62	61	+1	WSW	5	m	5	-	63	61	-	0.28	
3 rd	Jersey.	29.57	53	SW	4	o	29.71	+19	49	47	-1	SSW	6	b	5	om, r, g, t	54	49	0.4	0.42	
"	Corunna.	30.01	60	SSW	5	o	30.04	+07	55	52	-2	SW	3	r	6	-	63	50	-	0.12	
"	P. Delgada.	30.04	60	NE	2	m	30.00	+01	60	58	-2	SSW	5	o	4	-	64	57	-	0.20	
4 th	Jersey.	29.84	49	WSW	6	bc	30.00	+29	49	48	0	SW	5	o	4	bc, m, r, g, t	53	46	2.5	0.09	
"	Newton Reigny.	29.32	41	WSW	6	b	29.45	+33	43	41	+5	WSW	5	o	-	c, b, o, r, g	45	37	0.7	0.03	
5 th	Jersey.	29.78	49	SE	4	r	29.88	-12	53	50	+4	SSW	5	c	4	om, r, g, t	54	48	0.0	0.57	
"	Corunna.	30.10	61	SSW	5	bc	30.00	-14	52	48	-8	S	5	bc	6	-	63	46	-	-	
"	P. Delgada.	29.67	54	W	5	b	29.75	+14	57	51	+1	W	5	b	5	-	64	52	-	0.08	
6 th	Jersey.	29.88	51	SSW	4	b	29.64	-24	50	48	-3	S	6	c	5	og, cm, g	56	49	3.3	-	
"	Lisbon.	30.08	53	ESE	1	o	30.04	-15	49	49	+5	ENE	1	o	-	-	57	44	-	-	
"	P. Delgada.	29.89	55	NNE	2	b	29.84	+09	52	50	-5	N	2	bc	3	-	61	50	-	-	
7 th	Jersey.	29.55	52	SSW	5	o	29.50	-14	48	45	-2	WSW	6	b	5	cg, m, r, g, t	53	47	0.0	0.15	
"	Corunna.	29.92	58	S	5	o	29.67	-	54	51	-	S	5	bc	3	-	59	48	-	0.12	
"	P. Delgada.	29.57	61	W	5	m	29.47	+37	57	53	+5	WNW	5	b	4	-	61	52	-	0.20	
8 th	Jersey.	29.70	49	SW	5	bc	29.72	+22	49	48	+1	SSE	4	o	3	bc, cg	52	47	2.7	0.10	
"	The Helder.	29.38	44	SW	7	b	29.68	+37	42	-	-3	W	3	c	0	-	46	39	-	-	
"	Brussels.	-	-	-	-	-	29.83	+30	44	-	-2	SW	1	r	-	-	50	43	-	0.04	
"	Corunna.	29.65	59	S	1	bc	29.57	-10	55	51	+1	SSE	3	bc	0	-	61	48	-	-	
"	Lisbon.	29.72	54	ESE	4	o	29.56	-28	53	50	+1	ESE	5	c	-	-	59	50	-	-	
"	P. Delgada.	29.44	54	WNW	4	b	29.47	00	55	50	-2	NW	3	c	3	-	61	52	-	0.04	
9 th	Corunna.	29.45	64	SSE	5	bc	29.41	-16	54	52	-1	SSW	3	bc	3	-	64	48	-	-	
"	Lisbon.	29.53	55	S	4	o	29.46	-10	53	52	0	ESE	3	c	-	-	59	52	-	0.35	
"	P. Delgada.	29.55	56	NW	7	m	29.61	+14	54	48	-1	WNW	8	m	7	-	61	?	-	0.12	
10 th	Corunna.	29.45	62	S	3	bc	29.65	+24	53	50	-1	S	1	f	3	-	63	46	-	-	
"	P. Delgada.	29.89	56	NNE	6	b	30.04	+43	54	48	0	N	4	bc	3	-	59	54	-	0.12	
11 th	Newton Reigny.	29.51	32	N	3	S	29.76	+63	23	22	-16	NW	2	b	-	ots	40	23	0.0	0.15	
12 th	Corunna.	?	51	NW	3	bc	?	-	42	39	-7	N	1	o	3	-	52	37	-	0.04	
13 th	Corunna.	30.06	48	NE	1	bc	30.05	-	39	37	-3	NE	1	f	3	-	50	32	-	-	
"	P. Delgada.	29.91	50	N	4	b	29.95	+13	49	44	-7	NNW	4	b	3	-	59	48	-	0.04	
14 th	Corunna.	30.00	50	E	3	b	30.08	+03	37	35	-2	E	1	f	3	-	50	30	-	-	
"	Lisbon.	29.95	48	SE	5	o	30.02	+03	42	38	+1	NE	5	o	-	-	52	41	-	-	
15 th	P. Delgada.	29.91	61	SW	5	o	29.69	-35	62	60	+6	SW	8	m	6	-	63	56	-	0.04	
16 th	Brussels.	-	-	-	-	-	30.50	-04	19	-	+3	ENE	1	b	-	-	24	15	-	-	
"	Corunna.	30.02	52	E	3	b	29.82	-	57	52	-	SSE	5	o	5	-	59	50	-	-	
17 th	Corunna.	29.82	55	S	5	o	29.94	+12	50	46	-7	S	1	o	5	-	57	43	-	-	
"	Lisbon.	29.95	49	NE	3	o	29.99	-08	53	51	+11	W	2	bc	-	-	50	42	-	0.20	
"	P. Delgada.	30.03	50	NW	4	b	30.06	+22	49	44	-5	NNE	3	b	3	-	59	48	-	-	
18 th	Brussels.	-	-	-	-	-	30.32	+01	27	-	+6	SE	3	o	-	-	35	21	-	-	
"	Newton Reigny.	30.16	31	ESE	3	o	30.14	+03	34	33	+6	SSE	1	o	-	ogs	34	26	0.0	0.01	
19 th	Lisbon.	30.23	43	NNW	2	f	30.24	+07	43	43	+1	NNE	1	f	-	-	46	42	-	0.04	
20 th	Corunna.	30.09	51	W	3	o	30.21	-	41	39	-	E	1	bc	5	-	54	26	-	0.20	
"	P. Delgada.	30.40	58	WSW	5	b	30.39	-02	59	57	+4	W	4	o	3	-	61	53	-	-	
21 st	Corunna.	30.21	51	E	1	b	30.19	-02	?	38	-	E	1	b	5	-	52	34	-	-	
"	P. Delgada.	30.36	60	W	4	o	30.23	-16	60	58	+1	WSW	5	o	4	-	63	59	-	-	
22 nd	Corunna.	30.25	54	E	1	b	30.22	+03	47	46	-	E	1	b	-	-	58	41	-	-	
"	Lisbon.	30.25	50	NNE	4	b	30.30	+17	42	40	-2	NNE	3	b	-	-	55	41	-	-	
"	P. Delgada.	30.22	57	N	5	bc	30.36	+13	53	50	-7	NNE	6	m	4	-	63	52	-	0.12	
23 rd	Corunna.	30.17	57	E	1	b	30.33	+11	49	46	+2	NNE	1	o	5	-	57	43	-	0.35	
"	P. Delgada.	30.51	52	NE	3	b	30.47	+11	50	45	-3	NNE	4	c	3	-	57	48	-	-	
24 th	Corunna.	30.35	52	N	3	bc	30.35	+02	41	39	-8	NNE	1	f	6	-	54	34	-	-	
"	Lisbon.	30.26	45	NNE	3	f	30.30	+02	44	42	+2	NNE	4	b	-	-	48	42	-	0.12	
25 th	Newton Reigny.	29.89	37	Z	0	b	29.62	-11	45	44	0	S	6	rg	-	c, b, o, r	47	35	2.5	0.12	
26 th	Corunna.	30.36	62	E	1	b	30.44	+07	41	37	-4	E	1	b	5	-	57	34	-	-	
27 th	Corunna.	30.44	61	ESE	1	b	30.45	+01	46	43	+5	ESE	1	b	5	-	63	41	-	-	
"	P. Delgada.	30.26	55	N	4	b	30.37	+24	52	49	-9	NNE	5	bc	3	-	61	52	-	-	
28 th	Corunna.	30.36	6	S	1	b	30.49	+04	50	48	+4	S	1	o	5	-	61	45	-	0.08	
"	Lisbon.	30.43	63	NNE	3	o	30.46	-04	46	43	+3	N	3	c	-	-	55	43	-	-	

REPORTS FOR JANUARY, 1903.

1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY (CONTINUED).

DATE.	STATIONS.	YESTERDAY EVENING					THIS MORNING.										PAST 24 HOURS.									
		BAROM.	TEMP.	WIND.			BAROMETER.		TEMPERATURE.			WIND.			Sea (0 to 9).		TEMP.									
				At 32° and M.S.L.	Dry Bulb.		Direc.	Force (0 to 12).	Weather.	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.	Rainfall.
28 th	P. Delgada.	30.52	52	NE	4	b	30.54	+17	51	47	-1	NNE	4	b c	3	-	59	50	-	-						
29 th	Corunna.	30.48	54	N	3	b c	30.57	+08	44	41	-6	N	1	f	6	-	55	37	-	-						
30 th	Lorient.	30.60	48	W	2	b	30.51	-05	46	-	-1	WSW	3	o	3	-	57	37	-	-						
"	Corunna.	30.52	54	N	3	b	30.37	-20	40	37	-4	NNE	1	b	5	-	55	34	-	-						
"	P. Delgada.	30.36	57	SE	5	b	30.21	-25	59	56	+3	S	5	+	5	-	59	55	-	-						
31 st	Corunna.	30.32	57	E	3	b	30.14	-23	48	45	+8	SSE	3	o	5	-	59	40	-	-						

2. CORRECTIONS.

[illegible]