

METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1ST JULY TO 31ST DECEMBER, 1901.

DAILY WEATHER REPORT.

July to December 1901.



SUPPLEMENT TO THE DAILY WEATHER REPORT.

VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE SIX MONTHS, JULY TO DECEMBER.

JULY.

AUGUST.

SEPTEMBER.

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.	Years.	Minimum.	Years.	1871- 1900.	1806-1900.	Hours.	Per cent. of possible.
Sumburgh Head ..	29.806	53.4	51.7	57.6	48.3	70	1897	37	1888	17	(Inches.)	—	—
Stornoway	29.822	55.5	53.7	60.3	49.1	70	1884	32	1888	21	2.33	140.8	26
Malin Head	29.873	56.1	54.0	61.0	53.6	—	—	—	—	—	—	—	—
Blackod Point ..	29.914	57.8	55.2	62.4	53.8	—	—	—	—	—	—	—	—
Valencia	29.960	59.2	56.6	64.0	53.8	80	1878	42	1898	20	3.95	154.4	31
Roche's Point	29.957	59.0	56.1	65.8	53.7	84	1876	45	1888	15	3.00	—	—
Parsonstown	29.937	58.1	55.0	66.4	51.7	89	1876	37	1889	17	2.33	139.2	28
Donaghadee	29.904	57.4	55.5	63.5	52.1	81	1876	40	1883	18	2.83	—	—
Liverpool	29.927	59.5	56.6	66.0	54.3	89	1873	44	1877	16	2.77	—	—
Holyhead	29.932	58.3	56.0	63.8	54.1	83	1894	43	1888	16	2.46	—	—
Pembroke	29.956	58.2	56.2	62.7	54.9	80	1878	45	1888	14	2.42	205.3	42
Scilly	29.987	60.5	58.3	64.9	56.5	75	1888	48	1875	16	2.29	—	—
Jersey	30.015	62.5	59.1	68.6	56.5	90	1873	40	1877, 97	13	2.30	244.2	51
Dungeness	29.965	61.9	58.6	67.0	56.1	82	1900	40	1890	12	1.62	—	—
Wick	29.835	56.0	53.7	61.8	48.9	81	1876	30	1886	18	2.54	—	—
Nairn	29.838	56.9	53.7	64.5	50.3	86	1876	37	1886, 97, 98	17	2.68	—	—
Aberdeen	29.852	57.6	53.8	63.7	50.7	86	1876	38	1888	18	2.82	165.9	32
Leith	29.887	58.6	55.0	66.6	51.4	90	1876	41	1887, 88, 92	16	2.76	—	—
Shields	29.887	58.2	55.1	64.3	51.9	85	1876	40	1885	15	2.55	—	—
Spurn Head	29.914	59.6	56.9	65.1	55.0	84*	1881, 1900	44*	1888	13	1.70	—	—
Yarmouth	29.938	60.8	57.6	66.3	54.0	87	1881	42	1872, 90	15	2.69	—	—
Loughborough ..	29.947	60.9	57.2	71.4	52.6	90*	1881	39*	1888	15	2.24	—	—
Oxford	29.963	60.2	56.6	70.1	53.5	90	1876, 1900	41	1888	14	2.49	200.7	41
LONDON	29.971	62.2	57.7	72.7	54.2	95	1881	41	1877	13	2.27	174.7†	36†
Sumburgh Head ..	29.782	53.5	51.9	57.7	48.5	69	1880	38	1885, 85	18	3.25	—	—
Stornoway	29.794	55.1	53.5	60.2	49.1	75	1897, 99	33	1888	21	3.66	131.3	28
Malin Head	29.839	56.4	54.3	61.8	54.1	—	—	—	—	—	—	—	—
Blackod Point ..	29.878	58.1	55.5	62.7	54.1	—	—	—	—	—	—	—	—
Valencia	29.929	59.6	57.1	64.7	54.3	81	1899	42	1890	22	4.96	152.7	34
Roche's Point	29.932	59.1	56.6	65.7	54.2	80	1880	44	1883	16	3.94	—	—
Parsonstown	29.917	57.4	55.2	65.9	51.6	82	1893, 99, 1900	35	1885, 87	18	3.87	139.5	31
Donaghadee	29.881	57.1	55.5	62.8	52.5	78	1899	38	1886	19	3.30	—	—
Liverpool	29.908	58.8	55.3	65.8	54.3	85	1876, 84, 93, 99	44	1885	17	2.96	—	—
Holyhead	29.909	58.6	56.3	64.0	54.8	83	1893	45	1888	16	3.02	—	—
Pembroke	29.932	58.9	56.8	63.3	55.8	78	1874, 99	47	1885, 88	16	2.91	193.8	43
Scilly	29.962	61.2	59.0	65.3	57.1	75	1893, 99	50	1885, 90, 95	17	2.49	—	—
Jersey	29.995	63.2	59.8	69.1	57.4	89	1893	45	1890	14	2.48	244.8	50
Dungeness	29.953	62.1	58.9	67.5	56.6	80	1887, 94	39	1890	13	1.81	—	—
Wick	29.814	55.5	53.5	61.4	48.6	85	1893	30	1886	18	2.61	—	—
Nairn	29.817	56.0	53.2	63.9	49.9	86	1899	33	1885, 91	18	2.68	—	—
Aberdeen	29.835	56.7	53.5	63.1	50.2	81	1880, 82, 99	33	1885	18	3.03	153.3	33
Leith	29.848	57.7	54.6	66.0	51.4	85	1893	37	1874	16	3.72	—	—
Shields	29.871	57.3	54.7	64.0	51.8	83	1893	39	1892	16	2.83	—	—
Spurn Head	29.904	59.1	56.8	64.7	55.0	87*	1893	46*	1887, 90, 1900	15	1.87	—	—
Yarmouth	29.929	60.6	57.6	66.3	54.8	85	1893	42	1876, 85	14	2.26	—	—
Loughborough ..	29.935	59.1	56.2	70.4	52.0	91*	1893	38*	1885, 87, 88	14	2.46	—	—
Oxford	29.954	58.9	56.0	69.4	53.0	90	1876	39	1892	13	2.38	185.7	42
LONDON	29.961	61.0	57.4	71.9	53.7	96	1876	39	1887, 90	13	2.30	185.9†	37†
Sumburgh Head ..	29.783	50.8	49.1	54.9	46.2	69	1888	34	1887, 88	20	3.48	—	—
Stornoway	29.806	51.5	50.2	56.7	45.7	72	1888	32	1871, 75, 85	21	4.17	107.4	28
Malin Head	29.864	53.7	51.4	58.5	51.1	—	—	—	—	—	—	—	—
Blackod Point ..	29.905	55.3	52.9	59.8	51.6	—	—	—	—	—	—	—	—
Valencia	29.963	56.6	54.2	61.9	51.4	79	1898	35	1899	19	4.34	133.1	36
Roche's Point	29.966	55.8	53.7	61.9	51.3	74	1880	39	1893	14	3.62	—	—
Parsonstown	29.947	52.9	51.0	61.9	47.3	79	1880, 98	29	1899	17	2.92	129.2	35
Donaghadee	29.913	53.7	52.4	60.1	49.3	74	1898	36	1882, 94, 99	17	2.80	—	—
Liverpool	29.944	54.8	52.1	61.5	50.9	82	1880	39	1885	16	3.12	—	—
Holyhead	29.939	55.9	53.7	60.8	52.3	78	1880	43	1873, 85, 97	16	3.04	—	—
Pembroke	29.962	56.4	54.2	60.4	53.2	74	1895	40	1885	16	3.24	148.3	40
Scilly	29.993	58.8	56.6	62.4	54.9	73	1899	41	1885, 88	17	3.15	—	—
Jersey	30.008	60.4	57.2	66.0	55.0	86	1895	41	1891	15	3.04	184.9	50
Dungeness	29.951	58.0	55.5	64.0	53.0	78	1898, 99	32	1885	14	2.53	—	—
Wick	29.822	52.1	50.3	58.0	45.7	78	1898	29	1885, 87	19	2.70	—	—
Nairn	29.835	51.6	49.4	59.7	45.9	83	1898	25	1892	17	2.54	—	—
Aberdeen	29.856	52.5	49.9	59.4	46.6	81	1898	30	1887	17	2.87	124.0	33
Leith	29.880	53.5	50.9	62.1	47.5	83	1893	33	1886	15	2.19	—	—
Shields	29.905	53.2	51.1	60.4	48.3	81	1898	34	1885, 89, 93	14	2.20	—	—
Spurn Head	29.941	55.7	53.8	60.9	52.4	79*	1899	36*	1892	14	1.80	—	—
Yarmouth	29.958	56.5	54.3	62.4	51.3	78	1880, 98	33	1885	15	2.57	—	—
Loughborough ..	29.970	53.5	51.7	65.5	47.5	90*	1888	29*	1898	14	2.44	—	—
Oxford	29.985	54.0	52.1	64.8	48.8	90	1888	33	1885	13	2.39	144.2	39
LONDON	29.991	55.8	53.4	66.8	49.7	91	1898	30	1877	13	2.21	116.0†	31†

* Extremes of temperature at these Stations are from observations made during the 20 years—1881-1900.

† The Sunshine values are for Westminster.

VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE

(CONTINUED).

OCTOBER.

NOVEMBER.

DECEMBER.

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.	Years.	Minimum.	Years.	1871- 1900.	1886-1900.	Hours.	Per cent. of possible.
Sumburgh Head ..	29.721	45.9	44.3	40.8	41.6	61	1898	26	1875	24	(Inches.) 4.43	—	—
Stornoway	29.752	45.4	44.4	51.1	40.8	70	1898	26	1880	24	5.31	87.0	28
Malin Head	29.803	48.4	46.3	52.6	45.6	—	—	—	—	—	—	—	—
Blacksod Point ..	29.851	49.5	46.6	54.1	45.9	—	—	—	—	—	—	—	—
Valencia	29.885	51.0	48.9	50.4	46.3	69	1898	28	1892	22	5.61	104.4	32
Roche's Point	29.886	50.1	48.3	55.8	46.0	65	1880, 84, 86	32	1881	16	4.21	—	—
Parsonstown	29.883	45.5	44.0	54.7	40.5	69	1898	22	1880	18	3.06	99.9	31
Donaghadee	29.843	47.8	46.5	53.7	43.5	66	1898	21	1892	18	3.14	—	—
Liverpool	29.872	47.7	45.6	53.8	44.5	72	1898	27	1895	18	3.52	—	—
Holyhead	29.863	50.2	48.1	54.7	46.9	71	1886	32	1892	20	4.33	—	—
Pembroke	29.880	51.2	49.2	54.9	47.9	66	1872, 1886	33	1895	20	4.14	104.9	32
Scilly	29.897	53.8	51.7	56.9	50.1	69	1895	33	1895, 96	21	3.73	—	—
Jersey	29.926	53.7	50.9	58.6	48.9	73	1876, 1898, 1900	33	1887	19	4.47	130.0	40
Dungeness	29.908	50.4	48.6	56.6	46.2	70	1886	23	1890	16	3.23	—	—
Wick	29.755	46.2	44.6	51.8	40.4	73	1898	22	1885	21	3.11	—	—
Nairn	29.773	44.6	42.8	52.2	39.8	72	1898	19	1896	18	2.43	—	—
Aberdeen	29.791	45.7	43.6	52.5	41.2	74	1883	25	1880	20	3.00	98.9	31
Leith	29.814	46.4	44.6	54.6	41.5	70	1898	25	1884	16	2.09	—	—
Shields	29.836	46.9	45.2	53.4	42.2	69	1898	27	1890, 92, 95	17	2.75	—	—
Spurn Head	29.837	48.9	47.4	53.6	45.6	70*	1900	33*	1887, 95	16	2.34	—	—
Yarmouth	29.884	49.2	47.6	54.4	44.6	74	1900	27	1895	18	2.98	—	—
Loughborough ..	29.897	45.4	44.2	55.8	40.8	77*	1886	20*	1890	17	2.76	—	—
Oxford	29.916	46.1	44.8	55.6	42.1	76	1886	22	1873	15	2.76	102.7	32
LONDON	29.918	47.6	46.0	56.8	42.9	80	1886	24	1890	16	2.70	70.6†	22†
Sumburgh Head ..	29.710	42.6	41.0	46.1	38.5	55	1890	21	1875	24	4.12	—	—
Stornoway	29.720	42.5	41.5	46.8	37.4	58	1897	20	1880	23	5.28	40.6	18
Malin Head	29.773	44.3	42.5	48.3	41.2	—	—	—	—	—	—	—	—
Blacksod Point ..	29.819	45.7	43.7	49.7	41.7	—	—	—	—	—	—	—	—
Valencia	29.883	47.6	45.6	52.4	43.0	63	1881	27	1890, 96	22	5.67	65.8	26
Roche's Point	29.838	46.5	45.0	51.4	42.3	61	1875	27	1890	19	4.65	—	—
Parsonstown	29.869	42.0	40.6	49.4	37.2	63	1872	20	1890	19	2.97	—	—
Donaghadee	29.838	43.9	42.7	48.8	39.7	60	1894	27	1878, 83	19	3.12	63.8	25
Liverpool	29.883	43.0	41.2	48.3	40.0	63	1872	22	1880	17	2.71	—	—
Holyhead	29.865	46.2	44.4	50.0	43.0	62	1881	29	1880	20	3.96	—	—
Pembroke	29.890	47.4	45.7	50.6	43.9	58	1884, 95, 97, 99	28	1890	20	3.94	60.9	24
Scilly	29.911	50.3	48.3	53.0	46.6	61	1898	29	1890	21	3.65	—	—
Jersey	29.953	48.2	46.1	52.6	44.4	66	1899	16	1890	19	4.07	73.5	27
Dungeness	29.923	45.0	43.6	50.1	41.1	63	1899	17	1890	17	2.57	—	—
Wick	29.743	42.0	40.6	46.7	36.8	62	1900	15	1884	20	2.89	—	—
Nairn	29.761	40.5	38.9	46.3	35.6	61	1885, 94	18	1880, 98	17	2.13	—	—
Aberdeen	29.792	41.1	39.3	46.6	37.1	62	1872, 89	15	1890, 84	20	3.06	52.7	22
Leith	29.817	42.3	40.5	48.5	37.5	64	1872	18	1885	16	2.07	—	—
Shields	29.844	42.8	41.2	48.0	38.4	62	1881, 94	20	1880	17	2.33	—	—
Spurn Head	29.874	43.8	42.5	47.5	40.7	61*	1894, 95	23*	1884	17	2.19	—	—
Yarmouth	29.898	43.7	42.5	48.0	39.5	60	1895, 98, 99	23	1890	19	2.78	—	—
Loughborough ..	29.910	40.9	39.7	48.6	37.0	64*	1900	19*	1887, 93	17	2.14	—	—
Oxford	29.928	41.6	40.4	48.8	37.9	68	1881	19	1871, 87	15	2.30	56.4	22
LONDON	29.931	42.8	41.3	49.8	38.5	65	1894	19	1879	16	2.29	27.7†	11†
Sumburgh Head ..	29.647	40.1	38.6	43.2	35.9	53	1890	19	1877	26	4.46	—	—
Stornoway	29.671	40.0	39.0	43.7	34.6	55	1898	15	1880	26	5.68	23.9	12
Malin Head	29.748	41.6	40.1	45.4	38.3	—	—	—	—	—	—	—	—
Blacksod Point ..	29.803	43.2	41.3	47.2	39.2	—	—	—	—	—	—	—	—
Valencia	29.880	45.4	43.2	50.1	40.6	57	1884, 88, 99, 1900	24	1886	25	6.34	42.6	18
Roche's Point	29.894	44.0	42.6	48.5	39.9	58	1873	25	1882	20	5.47	—	—
Parsonstown	29.872	38.8	37.6	45.5	34.0	58	1877, 1900	8	1878	20	3.17	44.7	20
Donaghadee	29.823	40.9	40.0	46.1	36.6	56	1885, 88, 94	20	1879	21	2.96	—	—
Liverpool	29.881	39.4	37.7	44.2	36.1	59	1891, 98, 1900	13	1878	18	2.64	—	—
Holyhead	29.864	43.2	41.6	46.8	39.5	56	1872, 88	25	1874	20	3.94	—	—
Pembroke	29.903	44.4	43.0	47.4	40.9	57	1898	19	1890	21	4.17	44.0	19
Scilly	29.936	47.7	45.8	50.3	43.8	58	1899, 1900	30	1890	22	4.19	—	—
Jersey	29.992	44.0	42.2	48.1	40.1	61	1876	19	1871	20	3.88	62.3	25
Dungeness	29.952	40.6	39.5	45.2	36.3	56	1880, 97, 98, 1900	12	1890	17	2.11	—	—
Wick	29.684	38.7	37.5	42.9	33.4	56	1898	10	1880	22	3.18	—	—
Nairn	29.713	37.5	36.0	42.6	32.4	58	1900	10	1882	18	2.16	—	—
Aberdeen	29.747	37.5	35.8	42.4	33.3	58	1873	6	1882	20	3.23	38.2	19
Leith	29.782	39.1	37.6	44.5	34.1	60	1896	6	1882	15	1.95	—	—
Shields	29.825	38.9	37.5	43.6	34.3	59	1873, 98	10	1878, 79	16	2.34	—	—
Spurn Head	29.864	39.4	38.2	43.1	35.8	56*	1898	19*	1891	17	2.07	—	—
Yarmouth	29.911	38.6	37.5	42.7	34.2	56	1873	15	1879	17	2.47	—	—
Loughborough ..	29.914	36.9	35.9	43.5	32.8	59*	1888, 1900	7*	1890	15	2.35	—	—
Oxford	29.950	37.6	36.5	43.7	34.0	58	1888, 97	6	1878	16	2.16	41.6	18
LONDON	29.953	38.5	37.3	44.7	34.4	58	1873, 83, 91, 98	11	1878	15	2.15	13.1†	5†

* Extremes of temperature at these Stations are from observations made during the 20 years—1881-1900.

† The Sunshine values are for Westminster.

DAILY WEATHER REPORT

for 8 a.m. on Sunday 1st December

1901.

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 92 ³ and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather.	At 32 ⁰ Fahr. and M.S.L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)	Weather.			Max.	Min.				
																					Ins.	Ins.
SCANDINAVIA.	Haparanda ...	29.58	9	N	2	b	29.64	+0.2	-6	-10	-2	N	2	0	b	30	-11	*	—			
	Hernösand ...	29.49	14	Z	0	b	29.59	+0.5	17	16	+4	N	4	0	b	18	3	*	—			
	Stockholm ...	29.46	28	Z	0	b	29.38	-0.2	33	32	+1	ENE	5	6	s	?	16	*	0.35			
	Wisby ...	29.40	32	SE	2	s	29.32	-0.28	35	33	+4	N	2	0	s	46	23	*	0.24			
	Karlstad ...	29.42	25	Z	0	o	29.56	-0.1	25	24	-3	N	1	0	o	*	*	*	0.12			
	Færder (X'ania Fjord) ...	29.42	44	WNW	4	bc	29.51	-0.3	31	30	-2	NNE	6	0	3	bc	45	28	*	—		
	Bodö ...	29.52	15	E	4	b	29.61	+0.5	15	14	-5	E	2	0	1	b	20	12	*	—		
	Christiansund ...	29.41	34	NNE	3	s	29.72	+0.20	31	30	-3	WNW	2	s	5	5	37	27	*	0.24		
	Skudesnaes ...	29.64	47	NW	8	o	29.65	+0.8	41	35	-6	NNW	9	6	5	47	?	*	*			
	Sumburgh Head ...	29.64	44	W	5	o	29.91	+1.1	37	36	-11	NW	1	0	4	48	37	*	0.17			
BRITISH ISLANDS.	Stornoway ...	29.93	50	W	6	o	29.99	-1.3	45	45	-4	W	2	4	ot, o	53	43	0.0	0.46			
	Malin Head ...	30.24	50	W	5	cq	30.17	-1.8	49	48	0	W	5	0	2	50	48	*	0.01			
	Blacksod Pt. ...	30.38	49	WSW	5	bc	30.30	-1.9	49	47	+2	WSW	5	4	cp, bc	50	48	*	0.08			
	Valencia ...	30.51	45	WSW	3	og	30.41	-1.8	49	48	+6	SW	3	4	om, og	49	43	0.2	0.03			
	Roche's Point ...	30.51	46	WNW	2	o	30.45	-1.3	43	42	-2	NNW	3	3	o	47	41	*	—			
	Parsonstown ...	30.44	44	W	1	c	30.36	-1.7	44	44	+4	W	1	3	c	48	35	2.9	—			
	Donaghadee ...	30.31	46	WNW	2	o	30.21	-1.9	49	48	+5	W	3	3	o	49	42	*	—			
	Liverpool Obsy. ...	30.37	46	WSW	4	o	30.31	-1.1	46	45	+1	WSW	5	4	o	47	45	*	—			
	Holyhead ...	30.40	48	W	5	o	30.31	-1.6	48	46	+3	W	6	4	c, o	48	43	*	—			
	Pembroke (St. Ann's) ...	30.47	47	W	4	o	30.37	-1.8	49	46	+2	WNW	4	4	o	50	45	0.0	—			
GERMANY, &c.	Scilly (St. Mary's) ...	30.52	48	W	4	c	30.44	-1.3	48	45	0	WNW	4	2	c	51	44	1.7	0.01			
	Jersey (St. Aubins) ...	30.53	48	W	2	og	30.46	-1.2	48	46	+1	WNW	3	3	og, og	50	46	0.4	0.01			
	Portland Bill ...	30.49	47	WNW	4	o	30.39	-1.4	48	46	+1	WNW	4	3	o	48	46	*	—			
	Dungeness ...	30.43	46	WNW	3	o	30.34	-1.1	45	43	+3	WNW	5	3	c, o	46	41	*	—			
	Wick ...	29.74	51	WNW	6	r	29.96	0.0	41	41	-8	W	1	2	r	53	40	*	0.40			
	Nairn ...	29.90	52	W	5	r	30.01	-1.0	46	45	-6	Z	0	1	r	53	44	*	0.04			
	Aberdeen ...	29.92	52	WSW	4	bcq	30.03	-0.6	44	43	-5	W	1	1	cp, bc, q	53	44	0.3	0.01			
	Leith ...	30.07	46	W	5	b	30.05	-1.6	51	49	+3	WSW	4	3	o	52	46	*	—			
	North Shields ...	30.15	49	W	5	o	30.04	-2.0	49	48	-5	W	4	3	o	51	42	*	—			
	Spurn Head ...	30.27	46	WSW	6	b	30.11	-1.9	47	46	+2	W	6	4	bc	48	44	*	—			
FRANCE.	Yarmouth ...	30.30	44	W	4	cm	30.17	-1.5	44	42	0	W	5	4	c, cm	47	40	*	—			
	Loughborough ...	30.37	44	W	4	c	30.24	-1.9	44	42	0	WNW	6	*	bc, og, c	48	42	*	—			
	Oxford ...	30.43	43	W	3	o	30.34	-1.5	42	40	+1	WSW	2	*	o	47	41	*	—			
	London (Brixton) ...	30.43	45	W	3	o	30.32	-1.5	41	39	-2	W	2	*	bc, mo	47	40	0.0	—			
	The Scaw (Skagon) ...	29.51	45	NW	7	o	29.42	-1.4	42	41	+2	N	6	2	o	46	36	*	0.04			
	Fanö ...	29.85	46	WNW	8	o	29.69	-1.7	44	42	-2	WNW	8	*	o	48	45	*	0.16			
	Cuxhaven ...	30.04	47	WNW	5	o	29.80	-1.9	47	46	+2	WNW	6	0	o	48	45	*	0.24			
	The Helder ...	30.26	47	W	4	o	30.10	-1.3	48	46	-1	WNW	6	0	o	49	46	*	—			
	Brussels ...	*	*	*	*	*	30.28	-1.1	42	40	+1	WSW	2	0	*	47	40	*	—			
	Berlin ...	29.95	45	W	5	r	29.73	-1.2	45	43	+3	W	6	*	r	46	43	*	0.24			
SPAN. PEN.	Frankfurt ...	30.38	42	SW	2	o	30.22	-0.7	42	39	+2	SW	2	0	*	43	41	*	0.04			
	Munich ...	30.43	35	SW	6	o	30.30	-0.2	33	32	+1	SW	6	0	*	36	30	*	0.04			
	C. Gris Nez ...	30.44	43	WNW	4	o	30.28	-1.3	47	45	+6	WNW	5	0	5	48	43	*	—			
	Brest ...	30.57	48	7N	1	o	30.50	-1.2	47	43	+1	NNW	2	0	2	48	43	*	—			
	Lorient ...	30.55	48	NNW	1	o	30.52	-0.7	48	46	+2	WNW	3	0	2	55	41	*	—			
	Rocheport ...	30.60	42	Z	0	o	30.56	-0.9	42	41	+9	E	1	0	*	46	33	*	—			
	Biarritz ...	30.56	41	ENE	3	b	30.52	-0.9	33	32	-13	E	3	2	6	46	30	*	—			
	Paris ...	30.52	44	W	2	o	30.43	-0.9	42	39	+4	SW	2	0	*	47	39	*	—			
	Belfort ...	30.52	33	W	2	m	30.43	-0.7	33	31	+2	WSW	4	m	*	36	31	*	—			
	Lyons ...	30.56	33	NW	2	b	30.52	-0.8	32	30	-2	NNW	1	b	*	41	28	*	—			
Nice ...	30.27	47	SW	2	b	30.32	+0.9	42	39	+3	ENE	5	bc	4	54	37	*	—				
Perpignan ...	30.38	44	NW	3	b	30.39	-0.3	32	30	-9	NW	2	b	*	56	31	*	—				
SPAN. PEN.	Corunna ...	30.22	48	NNE	5	b	30.24	+0.1	46	41	+2	NNE	5	b	*	55	43	*	—			
	Azores (P. Delgada) ...	30.32	58	NE	2	o	30.31	+0.1	58	53	+2	N	3	m	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 *Sunday, 1st December, 1901.*

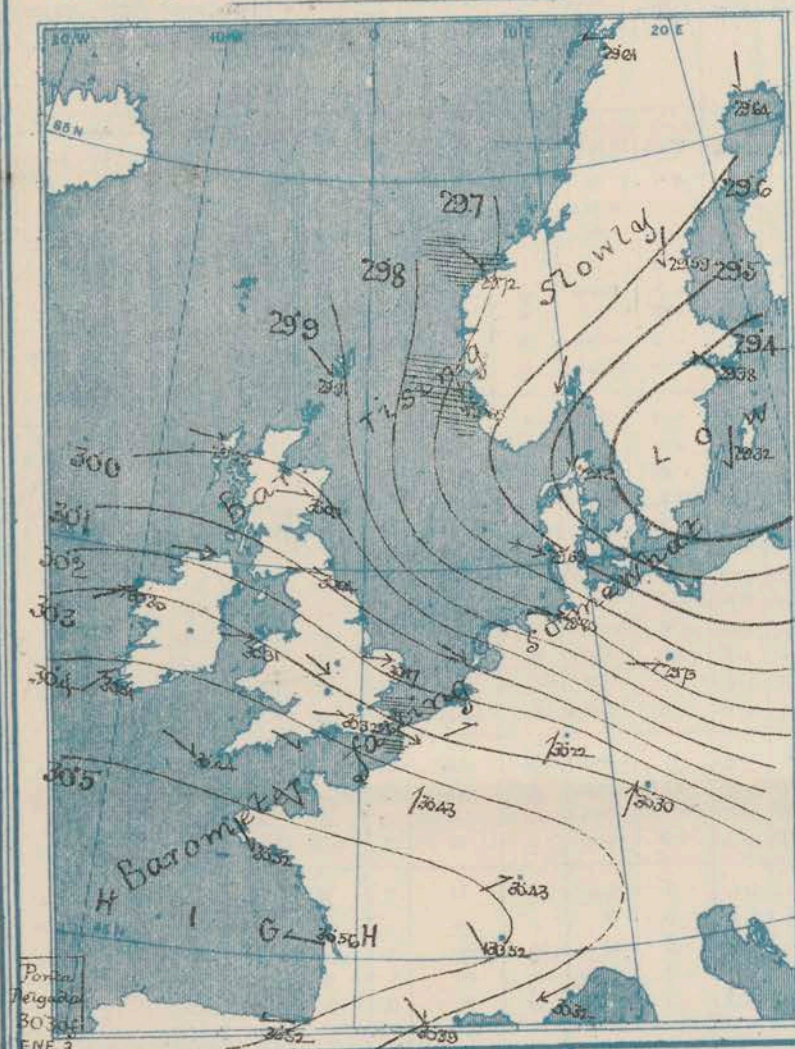
I. BAROMETER, WIND AND SEA. This Morning.

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

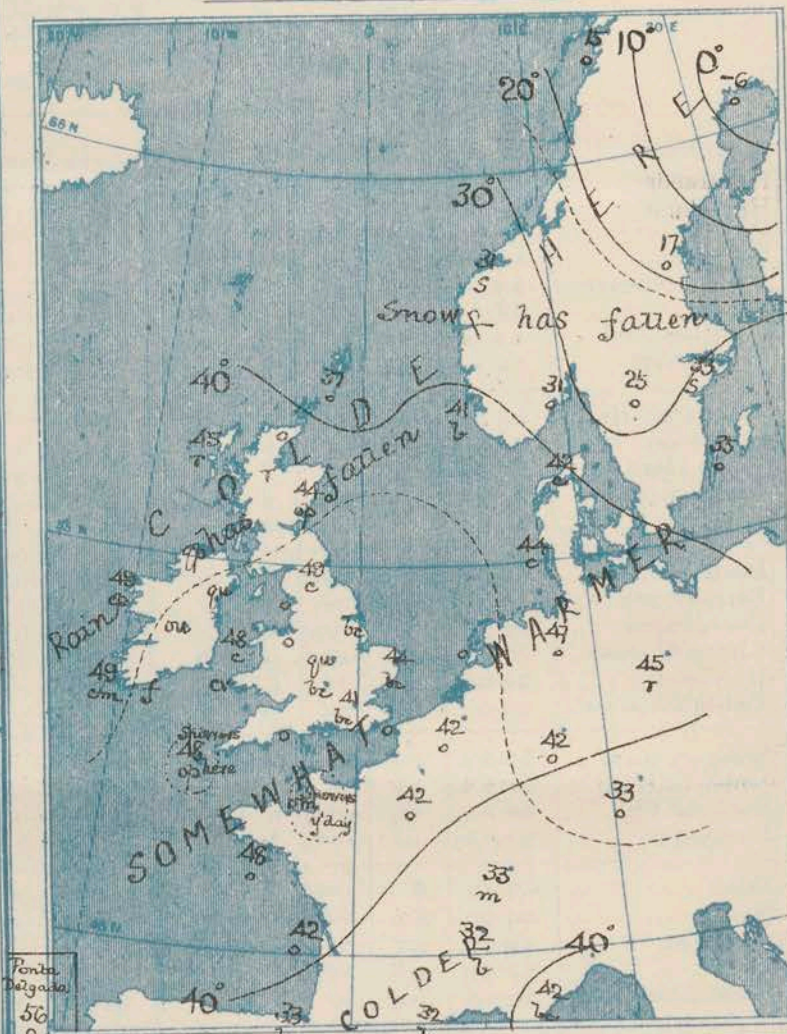


II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

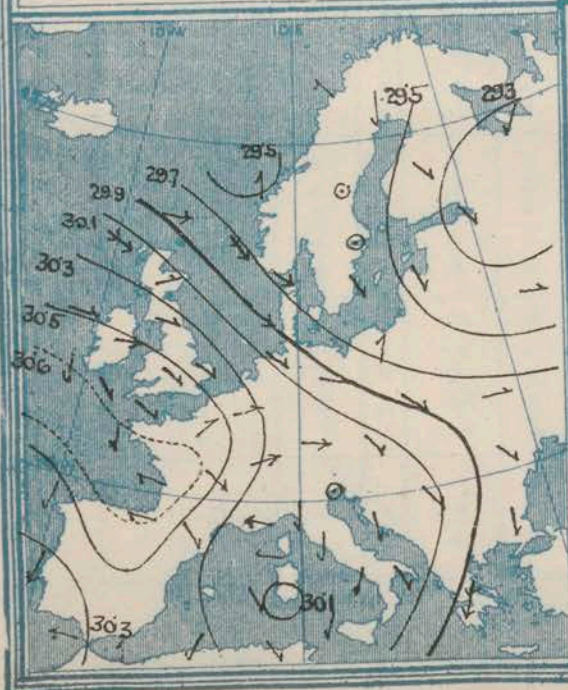
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4)

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.

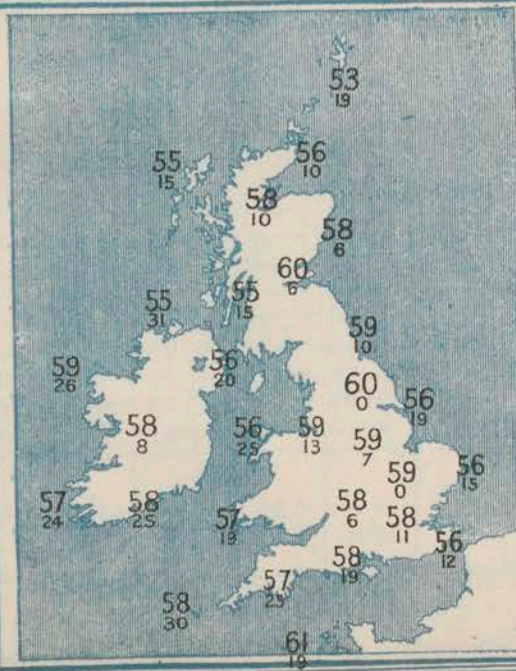


IV. EXTREMES OF TEMPERATURE

in month of DECEMBER (1871-1900)

Specimen { Highest Max. 59
(for Shields) { Lowest Min. 10

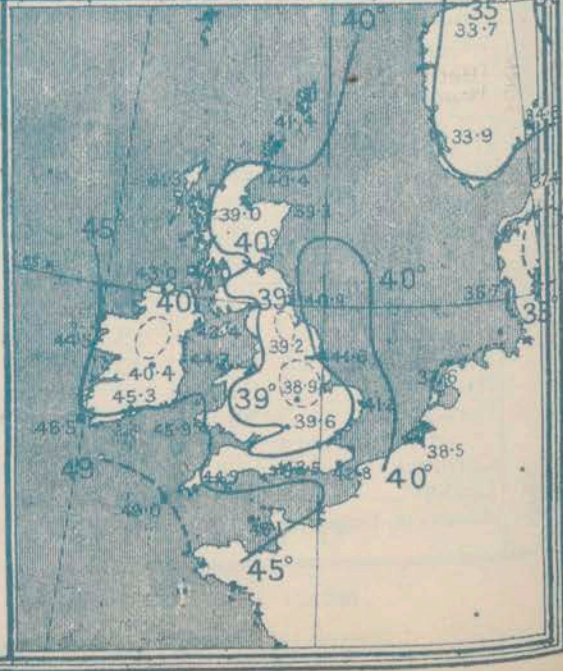
Malin Head & Blacksod. Belmullet Values are for only 15 Yrs.



V. Means of DAILY TEMPERATURE

at 8 a.m. for the Two monthly period

December-November (1871-1900.)



GENERAL SITUATION AT 8 A.M.

PRESSURE

Barometrical pressure is highest, 30.5 ins. and upwards, in the central portion of an anticyclone lying over the Bay of Biscay and the western and central parts of France, the borders of the system extending over the whole of that country and the western and southern parts of the United Kingdom. The lowest readings, 29.4 ins. and less are found in a cyclonic area of irregular form lying over the south of Sweden and the northern parts of the Baltic. The barometer is falling over western Europe generally but is rising in Scotland and at most of the Scandinavian stations.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind is light to fresh from the W. over the United Kingdom, the Netherlands and Denmark, and strong from the same quarter or from S.W. in Germany; in Scandinavia the wind is N.W. with a strong gale at Skiddonals. Over France and the Spanish Peninsula the wind is light from between E and N. Temperature has fallen in Scotland and Norway, but has risen in most other parts of our area. Over western Europe as a whole it is still high for the time of the year, the readings being above 45° in many parts of the United Kingdom; at Leith the thermometer stands at 51°. In the northern countries however the weather remains cold and in the northern parts of Scandinavia hard frost prevails, the reading at Haparanda being as low as -6° Fahr. The weather is fine over eastern and central England and also in the south of France but is dull elsewhere, with rain or passing showers at several of our western and northern stations and with snow at Christianund and Stockholm. The sea is moderate or slight generally, but rather rough on the Norwegian coasts and also at Cape Gris Nez.

During yesterday the thermometer rose to 50° and upwards at several of our western and northern stations, and to 53° in the north of Scotland. The amount of bright sunshine was mostly very small but at Harrogate there was as much as 5.6 hours. Rain fell at many places in the west and extreme north of our Islands and also in Scandinavia, Denmark and Germany but the amount was mostly small.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS*

For the 24 hours ending at NOON on 2nd December 1901

DISTRICTS.

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

FORECASTS.

ISSUED
NONE

DISTRICTS.

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

FORECASTS.

ISSUED
NONE

WARNINGS

At 7.40 pm. yesterday to districts 2, 7, 9. and part of 0 "FOIST NORTH CONE"
The signals are still flying in district and the remainder of 0

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

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

2658 314

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, o	47	41	0.5	-
Newton Reigny (Penrith)	30.23	45	WNW. 4	O	30.15	-18	47	46	+3	W. 4	O	.	c, o, g, d	49	44	2.3	0.01
Bath	30.43	46	W. 3	C	30.37	+14	45	43	-2	W 1	bc	.	C	47	44	0.0	-

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, 6 p.m.	48	40	bc	5.6	-	Worthing				2.2	
Birmingham, 9 p.m.	48	41	C	0.3	-	Llandudno					
Lowestoft, 6 p.m.						Rhyl					
Hastings						Southport, 9 p.m.	48	45	o, g	0.0	-
Eastbourne						Manchester, 9 p.m.					
Brighton						Darwen, 9 p.m.	44	41	o, b	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.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal) NOV. 30	63	52	C, b	Ins.	Algiers NOV. 30	57	50	o, o	Ins.
Madrid	-	-	-	-	Tunis	70	46	o, ?	0.75
Corsica (I. Sanguinaires)	57	41	m, m	-	Vienna	36	28	C, S	0.16
Rome	51	37	b, b	-	St. Petersburg	32	14	o, S	0.04
Florence	48	36	b, c	-	Lugano NOV. 20	48	-	b	Measured 7 a.m. 20
Trieste	45	36	b, o	-	Davos	23	-	S	0.08
Brindisi	58	38	o, c	-	Lucerne	37	-	o	0.04
Naples	51	39	b, b	-	Lausanne	37	-	b	-
Palermo	56	48	o, b	-					

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

GREENWICH TIMES OF THE OBSERVATIONS RECORDED IN 1901.									
	Hours of Morning Observations by Local Standard Time.	Corres- ponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corres- ponding Greenwich Times.	DEC. 1 st 1901.	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	7.42	11.42	3.43	
Germany, Denmark, } Norway, Sweden ... }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Greenwich	7.45	11.49	3.54	
France	7 a.m. (Paris) ...	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick	8.38	12.1	3.25	
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.	Valencia	8.28	12.30	4.32	
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 Monday 2nd December.

1901.

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.)										LAST 24 HOURS.				
		Barom. At 3 rd and M.S.L. Ins.	Temp. Dry Bulb.	Wind. Direc.	Force (0 to 12.)	Weather.	Barometer. At 8 th Fahr. and M.S.L. Ins.	Change since Yester- day. Ins.	Temperature.		Wind. Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Temp.			Sun- shine. Hours	Rainfall. Ins.	
									Dry Bulb.	Wet Bulb.						Max.	Min.				
SCANDINAVIA.	Haparanda	29.76	-14	Z	0	b	29.82	+0.18	-4	-8	-1	NE	2	b		b	-6	-17		-	
	Hernösand	29.88	5	Z	0	b	29.91	+0.12	7	5	-10	Z	0	b		b	19	5		-	
	Stockholm	30.00	19	E	2	0	29.96	+0.58	13	12	-20	SSW	2	bc		0	33	13		0.20	
	Wisby	29.88	29	NE	4	b	30.03	+0.15	24	24	-8	S	4	c		0	37	23		-	
	Karlstad	30.03	18	NNE	2	b	29.85	+0.29	31	28	+6	WNW	6	0		0				-	
	Færder (Xianla Fjord)	30.02	33	ENE	1	b	29.69	+0.18	36	37	+7	S	6	0	4	b	28	30		-	
	Bodö	29.62	27	E	4	bc	29.63	+0.02	15	13	0	ENE	4	0	1	bc	24	12		0.36	
	Christiansund	29.84	35	WSW	2	0	29.22	-0.50	36	35	+5	ESE	5	5	5	0	36	30		0.12	
	Skudenes	30.03	35	Z	0	b	29.54	-0.11	47	46	+6	W	8	0	5	b	47	34		-	
	Sumburgh Head	29.79	43	SE	3	r	29.47	-0.44	44	42	+7	W	4	0	6	r	44	35		0.51	
BRITISH ISLANDS.	Stornoway	29.84	49	WSW	5	r	29.79	-0.20	45	41	0	WNW	7	0	7	od, r	51	42	0.0	0.24	
	Malin Head	30.12	49	WNW	4	wp	30.07	-0.10	49	46	0	WNW	7	0	5	od, r	50	46		0.05	
	Blacksod Pt.	30.23	50	WSW	5	cp	30.25	-0.05	50	47	+1	W	4	bc	4	od, r	51	48		0.10	
	Valencia	30.39	51	SW	3	og	30.36	-0.05	51	49	+2	SW	5	omd	5	og	52	49	1.5	0.03	
	Roche's Point	30.41	48	W	3	of	30.38	-0.07	49	47	+6	NW	3	c	3	od, r	51	42		-	
	Parsonstown	30.33	47	SW	1	0	30.28	-0.05	48	47	+4	SW	1	0	2	m, o	50	43	1.6	0.02	
	Donaghadee	30.21	48	SSW	2	bc	30.15	-0.06	46	45	-3	W	2	bc	6	bc	50	45		-	
	Liverpool Obsy.	30.28	46	WSW	4	0	30.19	-0.12	48	47	+2	WSW	6	0	5	0	51	42		-	
	Holyhead	30.31	48	W	4	c	30.25	-0.06	50	49	+2	WSW	4	odp	3	c	50	46		0.01	
	Pembroke (St. Ann's)	30.38	49	WNW	4	0	30.34	-0.03	52	50	+3	W	6	og, r	5	0	53	48	1.4	-	
GERMANY, &c.	Scilly (St. Mary's)	30.45	50	WNW	5	cp	30.41	-0.03	50	48	+2	W	5	c	3	bc, cp	52	45	5.4	-	
	Jersey (St. Aubins)	30.44	48	W	2	og	30.45	-0.01	48	47	0	WNW	3	cpm	3	od, r	52	47	0.9	0.03	
	Portland Bill	30.39	50	WNW	3	0	30.38	-0.01	49	48	+1	W	4	c	3	0	50	48		-	
	Dungeness	30.35	47	WNW	2	0	30.33	-0.01	47	45	+2	W	3	0	2	0	51	45		-	
	Wick	29.86	48	WSW	1	odp	29.65	-0.31	42	40	+1	WNW	5	b	2	odp	50	40		0.12	
	Nairn	29.93	47	WNW	1	c	29.81	-0.20	45	41	-1	W	4	c	2	c	52	40		0.15	
	Aberdeen	29.99	46	SW	2	og	29.81	-0.22	44	39	0	WSW	3	b	1	og, r	49	43	0.0	0.07	
	Leith	30.06	47	WSW	2	0	29.95	-0.10	47	45	-4	WSW	3	b		0	51	45		0.01	
	North Shields	30.13	48	W	3	0	30.02	-0.02	47	46	?	W	3	c	2	0	51	47		-	
	Spurn Head	30.21	47	W	4	bc	30.08	-0.03	46	44	-2	SW	4	bc	3	bc	49	42		-	
FRANCE.	Yarmouth	30.20	47	WNW	5	og	30.18	+0.01	42	41	-1	WSW	4	bc, m	3	og, r	48	40		-	
	Loughborough	30.31	46	WNW	2	0	30.22	-0.02	47	44	+3	WSW	3	og		gm, r	45	44		-	
	Oxford	30.35	45	W	2	0	30.31	-0.03	45	43	+3	SW	2	b		0	48	41		-	
	London (Brixton)	30.24	47	WNW	2	0	30.31	-0.01	46	43	+5	WSW	2	bc		og, c	49	41	0.0	-	
	The Scaw (Skaggon)	29.78	32	NNE	2	b	29.98	+0.56	39	35	-3	SW	8	0	3	b	43	28		-	
	Fanö	30.14	34	ESE	2	bc	29.93	+0.24	44	44	0	SSW	2	r		bc	45	32		0.04	
	Cuxhaven	30.08	44	NW	4	b	30.08	+0.28	40	39	-7	SW	3	0		b	48	39		0.04	
	The Helder	30.19	47	NW	3	0	30.14	+0.04	47	46	-1	SW	3	c	2	0	48	46		-	
	Brussels						30.32	+0.04	43	43	+1	SW	2	0		0	44	42		0.04	
	Berlin	29.95	41	W	4	c	30.23	+0.50	32	31	-13	W	2	f		c	46	30		0.24	
SPAN. PEN.	Frankfurt	30.24	43	SW	2	0	30.31	+0.09	42	41	0	SW	4	0		0	43	41		0.04	
	Munich	30.27	35	SW	4	r	30.37	+0.07	35	34	+2	W	4	r		r	36	34		0.04	
	C. Gris Nez	30.34	48	NE	2	0	30.31	+0.03	47	45	0	W	4	c	4	0	50	43		-	
	Brest	30.50	46	NNW	1	c	30.50		46	45		NNW	2	c	2	c	52	43		-	
	Lorient	30.49	48	NNW	2	0	30.51	-0.01	46	45	-2	N	3	c	2	0	55	41		-	
	Rocheport	30.47	45	NE	2	0	30.52	-0.04	45	44	+3	E	2	0		0	46	41		-	
	Biarritz	30.52	41	ENE	2	b	30.51	-0.01	37	35	+4	E	2	0	0	b	45	34		-	
	Paris	30.43	45	W	2	0	30.43	0.00	43	41	+1	SW	2	0		0	47	42		-	
	Belfort	30.44	35	W	3	m	30.42	-0.01	34	37	+1	SE	2	m		m	35	32		-	
	Lyons	30.50	36	NNW	1	b	30.43	-0.09	39	37	+7	WNW	1	0		b	40	34		-	
Nica	30.18	46	Z	0	0	30.18	-0.14	40	38	-2	E	4	bc	3	0	54	39		-		
Perpignan	30.34	43	NW	3	b	30.25	-0.14	41	35	+9	W	3	b		b	54	39		-		
SPAN. PEN.	Corunna																				
	Lisbon	30.21	50	NNE	5	b	30.22	-0.02	47	44	+1	NNE	4	0		b	55	45		-	
SPAN. PEN.	Azores (P. Delgada)	30.30	59	NE	3	0	30.28	-0.06	58	53	0	NE	3	0	2	0	64	55		-	

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

* Observations for this column not generally received.

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

WEATHER CHARTS

FOR MONDAY, 2ND DECEMBER, 1901.

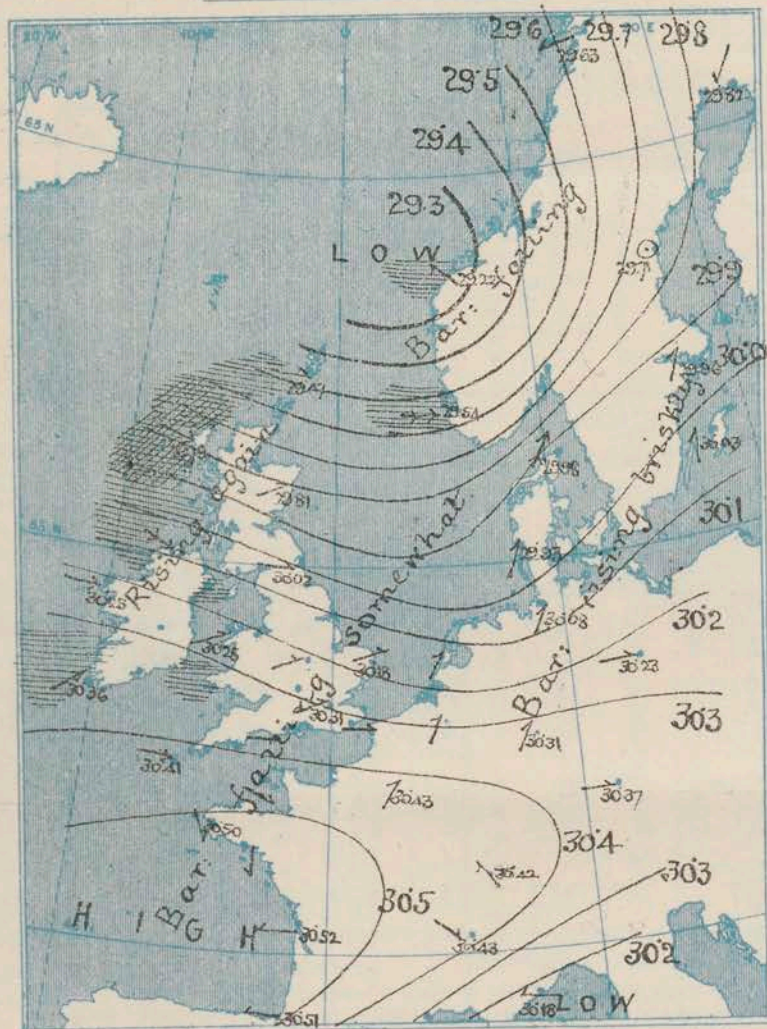
I. BAROMETER, WIND AND SEA. This Morning.

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 ■

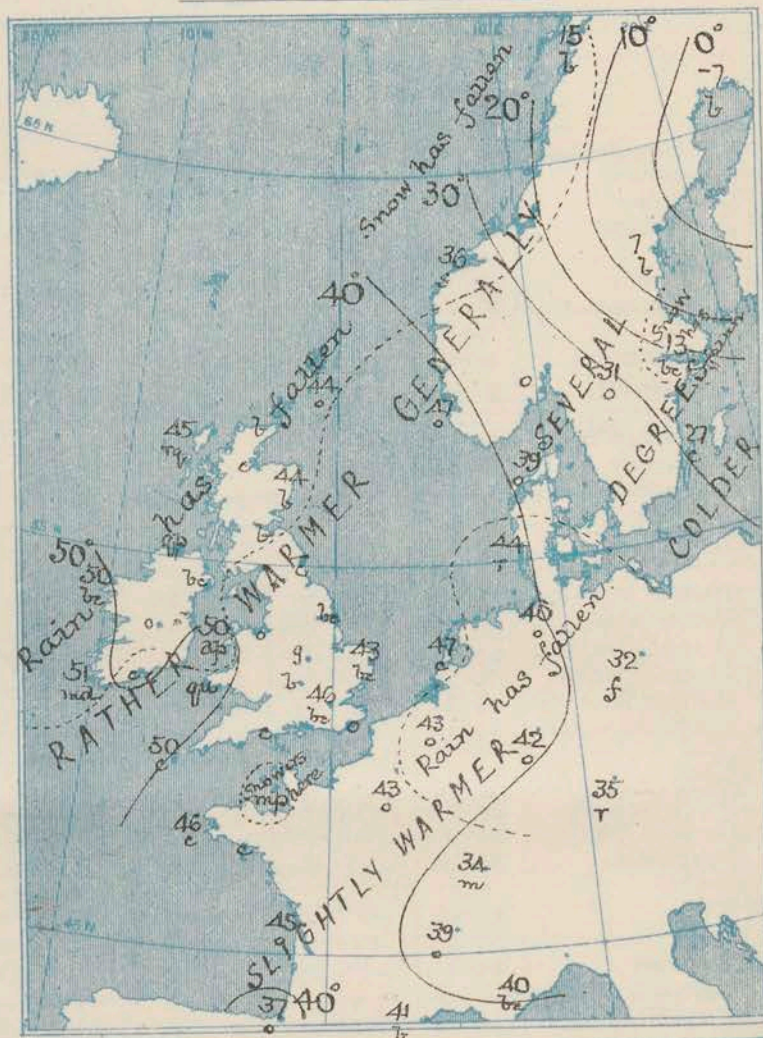


II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

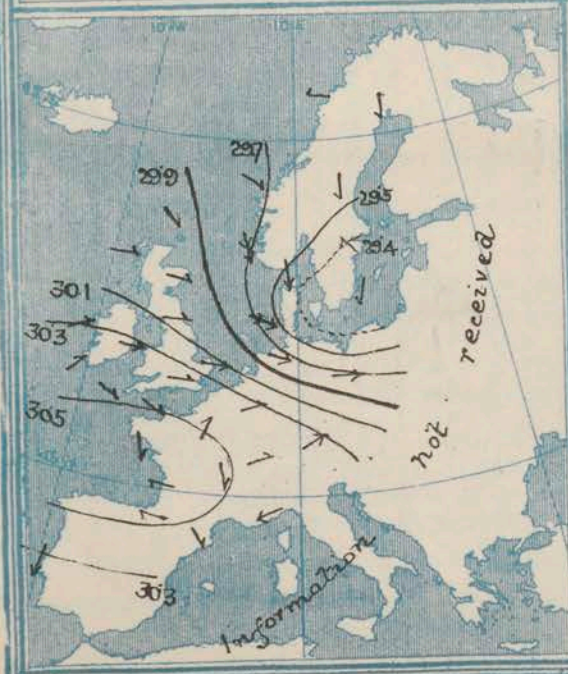
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4)

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.

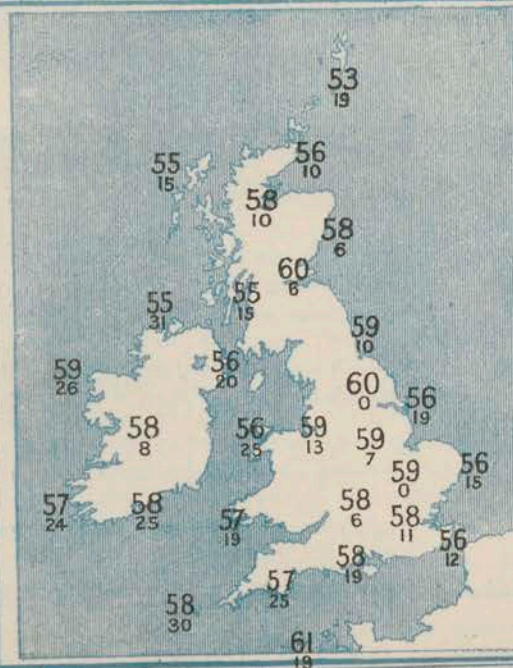


IV. EXTREMES OF TEMPERATURE

in month of DECEMBER (1871-1900)

Specimen { Highest Max. 59
(for Shields) { Lowest Min. 10

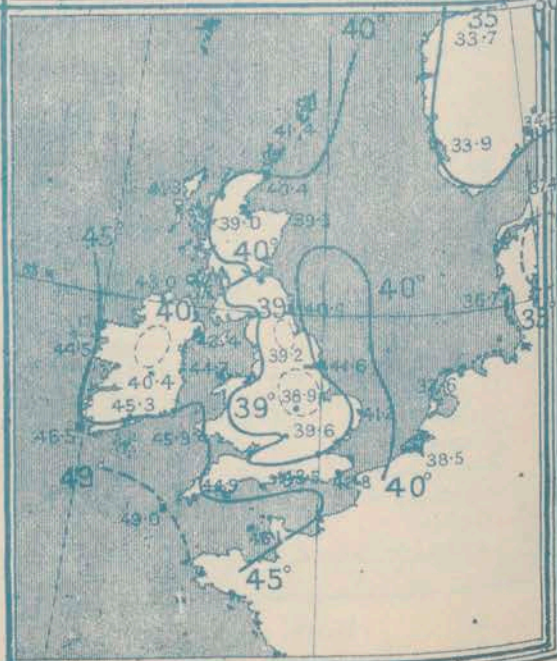
Malin Head & Blacksod. Belmullet Values are for only 15 Yrs.



V. Means of DAILY TEMPERATURE

at 8 am. for the Two monthly period

December-November (1871-1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

An anticyclone is lying over France, Germany and the southern parts of the United Kingdom, the highest readings 30.5 ins. and upwards, being reported over the Bay of Biscay and the west of France. The lowest pressures 29.3 ins. and less are found in a well marked cyclonic system with its centre off the west of Norway, in which region the barometer is falling quickly. A slight fall is also in progress in most parts of the United Kingdom and France, but on our extreme north and north-west coasts the mercury is rising again.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind is West or South-west over the greater part of north-western Europe, moderate to fresh in force generally, but blowing a moderate gale on our extreme north-west coasts, and a fresh gale in the north of Denmark and the coast of Norway. In the west of Norway and also over the southern parts of France the wind is E. Temperature remains high for the time of year over western Europe generally. In all the more western and southern parts of the United Kingdom the morning readings are above 45° and at some of our western stations they are slightly above 50°, the highest reported being 52° at Pembroke. In Sweden the thermometer has fallen and a hard frost now prevails, the readings being below 20° in most places; at Haparanda the thermometer stands 7° below zero Fahrenheit. The weather is fine in the east of Great Britain and also in Sweden, but is cloudy or dull in nearly all other parts of our area, with showers at several of our western stations; snow is falling at Christiansund. The sea is rough or rather so on our western and extreme northern coasts, but slight or smooth elsewhere.

During yesterday the thermometer rose to 50° or slightly above it on all but our eastern and southern coasts, the highest reading reported being 53° at Pembroke. The amount of Bright Sunshine was as a rule small; on some parts of the Sussex coast, however, there was more than 4 hours while at Bally there was more than 5 hours. Rain fell in most parts of Ireland and Scotland and also in Norway, Denmark and Germany, but the quantity was mostly small.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The cyclonic disturbance off the Norwegian coasts is likely to be followed by other low pressure systems advancing from the Atlantic towards the north of Scotland. Strong West and North-west winds are still probable in the north and north-west and showery weather is likely to prevail over the United Kingdom generally.

FORECASTS*

For the 24 hours ending at NOON on 3rd December, 1901

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W ⁴ & NW ⁴ winds, strong, a gale in places; squally, some rain.	6 SCOTLAND WEST	Same as No. 0.
1 SCOTLAND EAST		7 ENGLAND N.W.	W ⁴ winds, fresh; changeable, some showers.
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	Same as No. 0
4 MIDLAND COUNTIES		10 IRELAND SOUTH	Same as Nos. 7 & 8.
5 ENGLAND SOUTH	W ⁴ winds, moderate or fresh; fair at first, some showers later.		

WARNINGS

At 10.30 a.m. to District 2 'Lower Cone'.
The Signals are still flying in Districts 6, 7, 8 and part of 9.

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

* 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	"	"	"	"	"	"	"	"	"	"	0	"	c, 0	48.	41	0.4	—
Newton Reigny (Penrith)	30.19	47	W 2	0	30.10	-.05	47	45	0	WSW 4	c	"	og, dr, qu	50	45	0.0	0.04
Bath	30.37	41	W 1	0	30.34	-.03	46	44	+1	W 1	m	"	0	50	39	0.0	—

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Rainfall.		STATIONS.	TEMPERATURE.		Weather.	Sunshine. Rainfall.	
	Max.	Min.		Hrs.	Ins.		Max.	Min.		Hrs.	Ins.
Harrogate, 6 p.m.	48	44	C	0.0	—	Worthing	*	*	*	2.4	*
Birmingham, 9 p.m.	48	40	O	0.0	—	Llandudno	*	*	*	0.0	*
Lowestoft, 6 p.m.						Rhyl	*	*	*	0.0	*
Hastings	*	*	*	4.2	*	Southport, 9 p.m. ...				0.0	
Eastbourne	*	*	*	4.3	*	Manchester, 9 p.m....	49	44	O	0.0	0.04
Brighton				2.1		Darwen, 9 p.m. ...	46	42	9.m.	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.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal) <i>Dec. 1st</i>				In.	Algiers ... <i>Dec. 1st</i>				In.
Madrid			<i>Information</i>		Tunis... ..			<i>Information</i> <i>not arrived.</i>	
Corsica (I. Sanguinaires) ...					Vienna				
Rome					St. Petersburg... ..				
Florence				<i>not</i>					
Trieste			<i>arrived.</i>		Lugano ... <i>Nov. 30th</i>	54	—	<i>b</i>	<i>Measured</i> <i>7 a.m. 30</i>
Brindisi... ..					Davos	24	—	<i>S</i>	<i>0. 16</i>
Naples					Lucerne	41	—	<i>0</i>	—
Palermo					Lausanne	39	—	<i>b</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; i. 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.	<i>Dec. 2nd</i> 1901.	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	7.43	11.42	3.43
Germany, Denmark, Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Greenwich	7.46	11.49	3.53
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick	8.39	12.1	3.24
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.	Valencia	8.29	12.30	4.32
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.
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Single Copies of the Daily Weather Report (price 1d.) may be obtained after 3 p.m. on the day of issue at the Meteorological Office, and at Messrs. W. H. SMITH & SONS' Bookstalls at the following terminus Railway Stations:—Victoria, Charing Cross, King's Cross, St. Pancras, Euston.

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

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

DAILY WEATHER REPORT

for 8 a.m. on Tuesday 3rd December 1901.

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 52° and M.S.L.	Dry Bulb.	Dirac.	Force (0 to 19.)	Weather.	At 52° 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.			Ins.	°
SCANDINAVIA.	Haparanda	29.76	-6	Z	0	0	29.92	+1.10	-7	-8	0	N	2	bc	*	0	-6	-18	*	-			
	Hernösand	29.34	23	Z	0	5	29.70	-0.01	20	19	+13	N	4	0	*	6	30	3	*	0.59			
	Stockholm	29.34	33	Z	0	4	29.55	-0.41	27	26	+14	NW	2	0	*	6	34	10	*	0.43			
	Wisby	29.43	37	S	4	0	29.50	-0.53	36	34	+9	N	2	0	*	0	39	21	*	0.32			
	Karlstad	29.38	33	SW	2	0	29.62	-0.23	27	25	-4	N	2	bc	*	0	*	*	*	0.20			
	Færder (X'iania Fjord)	29.39	43	WSW	5	5	29.62	-0.07	37	35	-1	NNE	4	bc	4	6	43	36	*	0.20			
	Bodö	29.62	17	ENE	4	5	29.95	+3.2	13	11	-2	ENE	4	bc	1	6	18	10	*	-			
	Christiansund	29.33	39	SE	4	+	29.63	+0.41	31	28	-5	E	3	c	4	+	41	28	*	0.32			
	Skudesnaes	29.40	44	WNW	6	0	29.71	+0.71	41	41	-6	NNW	4	bc	4	0	47	39	*	*			
	Sumburgh Head	29.45	42	WNW	6	c	30.00	+0.53	40	38	-4	N	3	bc	5	bc, c	46	39	*	0.19			
BRITISH ISLANDS.	Stornoway	29.89	44	NW	6	bc	30.15	+0.36	40	39	-5	NW	3	op	3	cqr, bc	47	39	5.4	0.23			
	Malin Head	30.11	50	WNW	7	cqr	30.22	+0.15	48	45	-1	Z	0	0	5	bc, cqr	50	47	*	0.01			
	Blacksod Pt.	30.27	49	W	4	c	30.35	+0.10	49	47	-1	SW	3	0	3	c	51	47	*	0.02			
	Valencia	30.35	51	W	4	om	30.32	-0.04	48	45	-3	SSW	1	0	4	om, pgm	52	47	0.0	0.11			
	Roche's Point	30.33	51	WNW	3	bc	30.33	-0.05	49	47	0	NW	2	c	2	cm, bc	53	47	*	-			
	Parsonstown	30.29	48	W	1	0	30.29	+0.01	47	46	-1	WSW	1	0	*	0	50	45	0.2	0.03			
	Donaghadee	30.18	49	NW	3	c	30.25	+0.10	46	43	0	NW	1	0	1	c	49	45	*	-			
	Liverpool Obsy.	30.20	47	WSW	6	c	30.25	+0.06	47	43	-1	W	3	0	3	c	50	46	*	-			
	Holyhead	30.25	49	W	5	bc	30.27	+0.02	48	46	-2	NW	3	c	2	c, bc	50	46	*	-			
	Pembroke (St. Ann's)	30.30	52	W	4	c	30.39	+0.05	48	48	-4	NW	1	ogm	3	c	53	48	0.5	-			
GERMANY, &c.	Scilly (St. Mary's)	30.37	50	W	5	0	30.33	-0.08	50	49	0	W	4	m	3	0	54	48	0.0	0.03			
	Jersey (St. Aubins)	30.40	51	W	2	og	30.33	-0.12	50	48	+2	W	3	cpm	3	0	53	46	0.9	0.07			
	Portland Bill	30.34	51	WNW	4	0	30.30	-0.08	50	49	+1	NW	2	0	2	0	52	49	*	0.01			
	Dungeness	30.28	49	W	3	bc	30.26	-0.07	44	42	-3	WNW	3	0	2	bc, bc	51	42	*	-			
	Wick	29.67	45	WNW	6	c	30.10	+0.45	42	39	0	WNW	2	og	2	c	47	40	*	0.15			
	Nairn	29.88	45	WNW	4	+	30.17	+0.36	41	40	-4	W	1	c	1	+	45	39	*	0.08			
	Aberdeen	29.84	44	W	6	bc	30.12	+0.31	42	39	-2	WNW	3	c	2	bc	48	42	5.4	-			
	Leith	29.98	43	W	4	bc	30.16	+0.21	41	39	-6	WSW	2	bc	*	bc	49	39	*	-			
	North Shields	30.02	47	W	3	bc	30.14	+0.12	41	40	?	W	2	bm	2	c, bc	50	39	*	-			
	Spurn Head	30.11	47	WSW	4	bc	30.13	+0.05	44	43	-1	WNW	5	bc	3	bc	51	41	*	-			
FRANCE.	Yarmouth	30.14	47	WSW	3	bc	30.14	-0.04	40	39	-3	W	3	bm	3	c, bc	50	38	*	-			
	Loughborough	30.22	48	WNW	5	c	30.23	+0.01	45	42	-2	WNW	2	c	*	ocq, c	53	44	*	-			
	Oxford	30.28	47	W	2	bc	30.28	-0.03	45	42	0	NW	1	0	*	0	51	40	*	-			
	London (Brixton)	30.25	49	SW	2	c	30.27	-0.04	45	42	-1	W	2	og	*	bc, bc	53	41	0.0	-			
	The Scaw (Skagen)	29.48	44	WNW	6	0	29.57	-0.41	43	41	+4	NNE	2	bc	0	0	46	36	*	0.24			
	Fanö	29.73	46	W	8	+	29.73	-0.20	44	41	0	W	7	c	*	+	46	41	*	0.28			
	Cuxhaven	29.96	46	W	4	bc	29.86	-0.22	44	43	+4	NW	4	0	*	+	46	40	*	0.04			
	The Helder	30.13	48	WNW	4	bc	30.09	-0.05	48	44	+1	NW	4	c	3	bc	50	46	*	-			
	Brussels	*	*	*	*	*	30.21	-0.11	43	42	0	WSW	2	0	*	0	47	43	*	-			
	Berlin	29.98	44	SW	4	0	29.87	-0.36	43	42	+11	W	3	c	*	0	45	32	*	0.20			
SPAN. PEN.	Frankfurt	30.23	45	SW	4	0	30.16	-0.15	45	42	+3	WSW	3	0	*	0	45	42	*	-			
	Munich	30.34	38	W	4	0	30.25	-0.12	37	36	+2	W	4	0	*	0	39	35	*	0.04			
	C. Gris Nez	30.32	49	W	5	0	30.25	-0.06	47	46	0	NW	3	0	3	0	52	46	*	-			
	Brest	30.45	49	NW	1	c	30.37	-0.13	47	45	+1	N	1	0	1	c	54	46	*	-			
	Lorient	30.42	53	N	1	c	30.38	-0.13	46	45	0	NNE	3	0	2	c	59	41	*	-			
	Rochefort	30.46	46	E	2	0	30.39	-0.13	45	41	0	?NE	3	0	*	0	48	45	*	-			
	Biarritz	30.43	44	E	2	0	30.36	-0.15	39	36	+2	SE	3	c	2	0	45	37	*	-			
	Paris	30.40	46	WSW	2	0	30.32	-0.11	44	43	+1	SSW	2	0	*	0	50	43	*	-			
	Belfort	30.37	37	SW	3	bc	30.31	-0.11	37	35	+3	W	2	m	*	bc	46	34	*	-			
	Lyons	30.44	42	N	2	0	30.39	-0.04	38	38	-1	NE	1	0	*	0	45	38	*	-			
Nice	30.26	44	E	2	bc	30.25	+0.07	42	39	+2	Z	0	bc	2	bc	50	40	*	-				
SPAN. PEN.	Perpignan	30.30	43	NW	3	bc	30.31	+0.06	31	30	-10	W	2	bc	*	bc	55	30	*	-			
	Corunna																						
SPAN. PEN.	Lisbon																						
	Azores (P. Delgada)																						

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

* Observations for this column not generally received.

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

WEATHER CHARTS

FOR TUESDAY, 3rd DECEMBER, 1901.

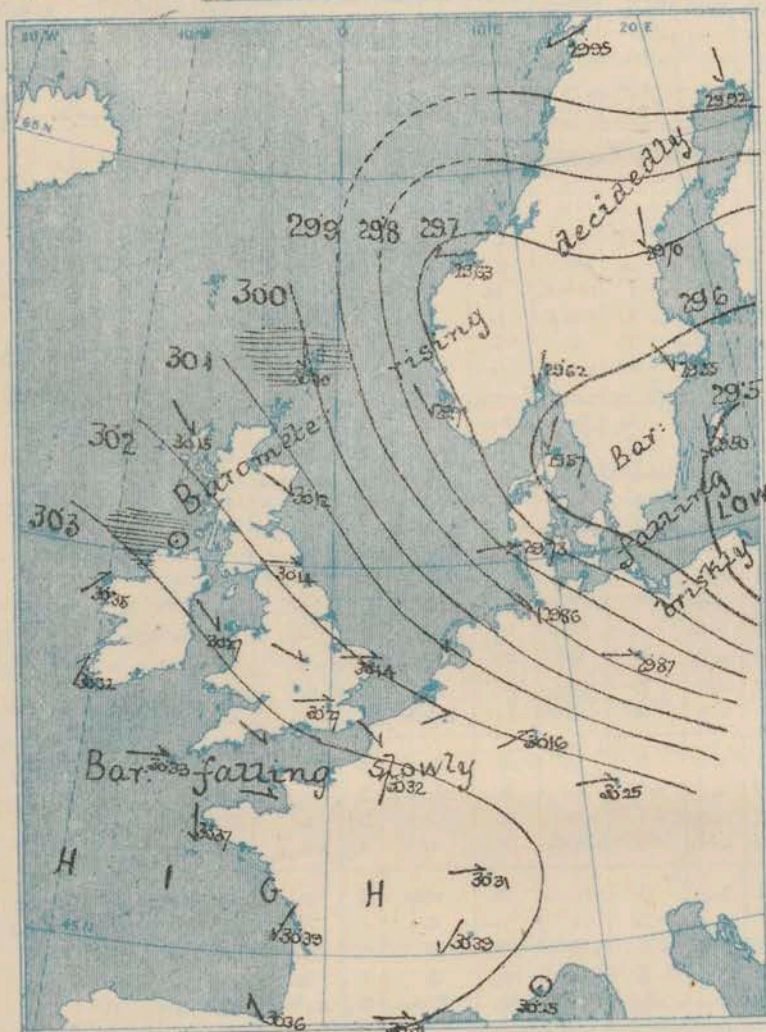
I. BAROMETER, WIND AND SEA. This Morning.

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

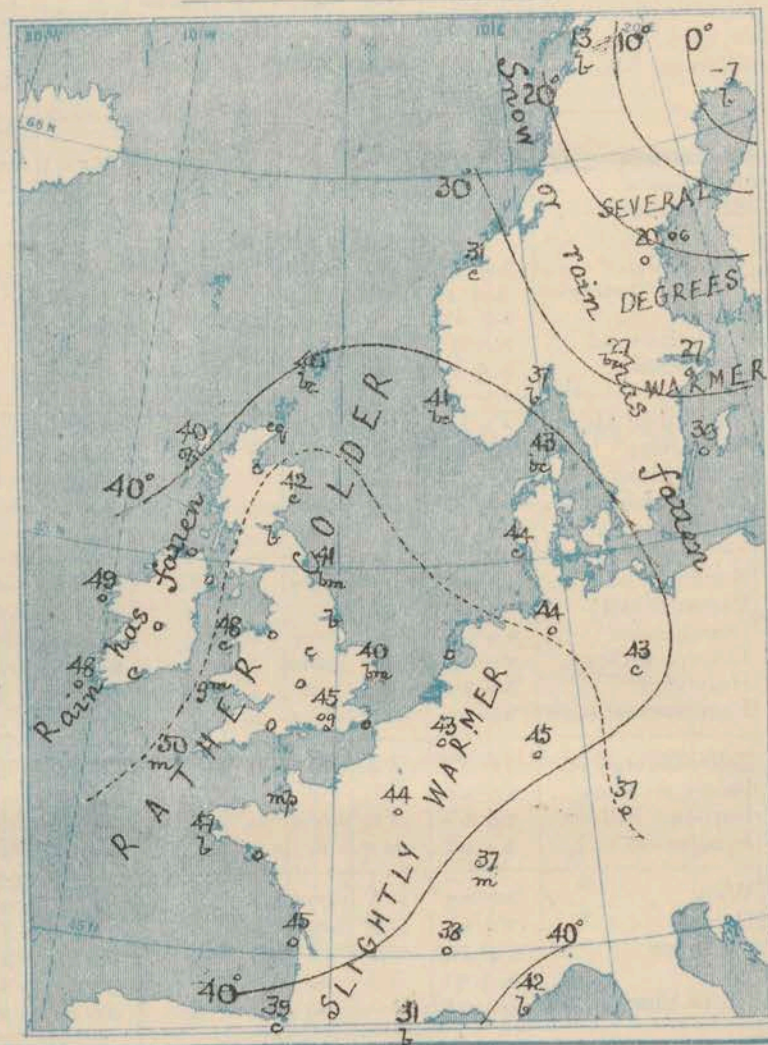


II TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

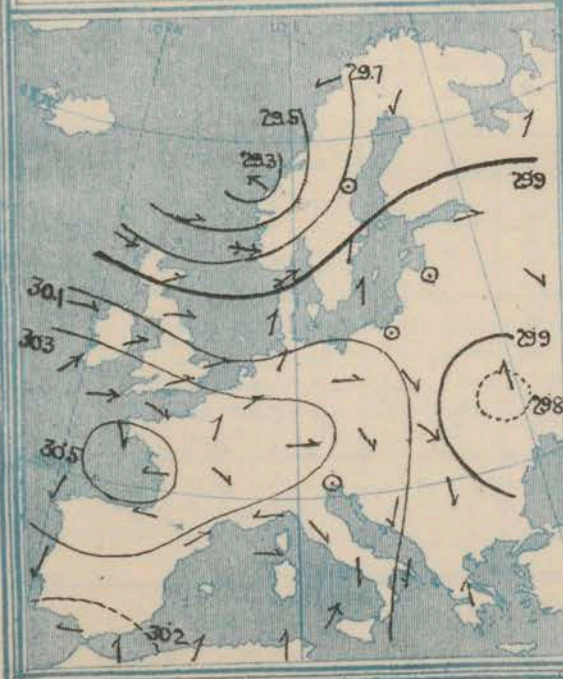
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4)

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.

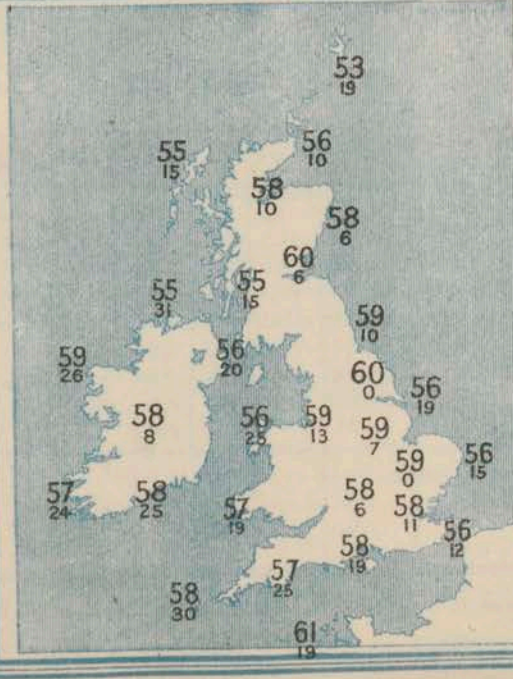


IV. EXTREMES OF TEMPERATURE

in month of DECEMBER (1871-1900)

Specimen { Highest Max. 59
(for Shields) { Lowest Min. 10

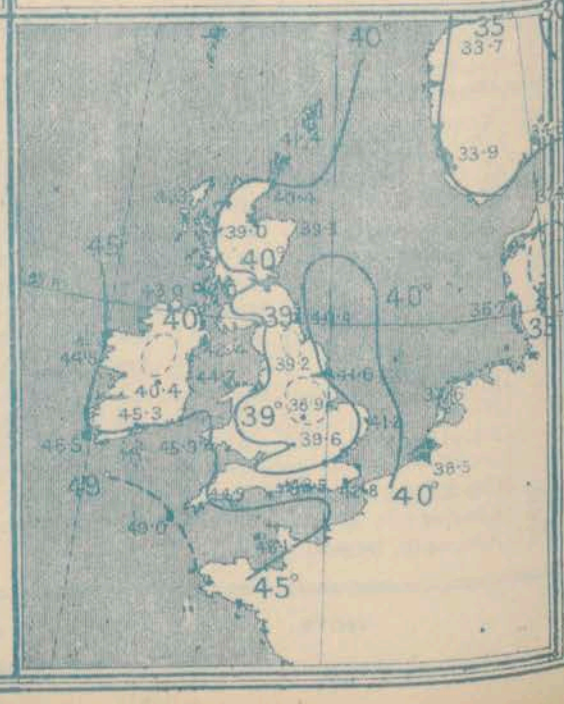
Malin Head & Blacksod. Belmullet Values are for only 15 Yrs.



V. Means of DAILY TEMPERATURE

at 8 am. for the Two monthly period

December-November (1871-1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

Barometrical pressure is highest, 30.3 in. and upwards, in an anticyclone lying over France, the Bay of Biscay and the western parts of the United Kingdom; and lowest, 29.5 in. and less, in a cyclonic system which has travelled south-eastwards across Scandinavia to the northern part of the Baltic. In the rear of the disturbance the barometer is rising decidedly in Scandinavia and also at our northern stations, but in nearly all other parts of our area it is falling - slightly in most regions, but briskly over North Germany.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind is light to moderate from the N.W. or W. over the greater part of the United Kingdom and also over the Netherlands and Germany, but is S.W. in the west of Ireland; in Sweden and the south of Norway it is N. while in the west of Norway it is E. Light breezes from the North-eastward are reported over western and central France. Temperature has fallen slightly in most parts of the United Kingdom and also in Norway, but has risen elsewhere. Over western Europe as a whole the readings are still above the normal, but on the east coasts of Great Britain, where they are very little above 40°, the excess is slight. In the west and south-west of our islands the thermometer is still above 45° and at some of the Channel stations it touches 50°. In most parts of Sweden the frost has become less intense, but at Haparanda there has been no change, the thermometer again standing as low as -7° F. The weather is fine on the east coasts of Great Britain and also in the southern parts of Norway and France, but is cloudy or dull elsewhere; showers are reported at Stornoway and Jersey. The sea is slight or smooth generally, but rather rough at Dumburgh Head and Malin Head.

During yesterday the thermometer rose to 50° or slightly above it in many parts of the United Kingdom, the highest reading reported being 54° at Scilly. The amount of Bright Sunshine was generally small; at some of our southern stations there was none, but at Aberdeen there was as much as 5.7 hours and at Southport 4.7 hours. A little rain fell on our extreme south-western, western and northern coasts and also in Denmark and Germany, and considerable quantities of snow at some of the Swedish stations.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone is spreading northwards again and fog is likely to reappear at some of the English inland stations. There are no signs of the advance of any new disturbance towards our northern coasts.

FORECASTS*

For the 24 hours ending at NOON on 4th December, 1901

DISTRICTS.

FORECASTS.

0	{ SCOTLAND NORTH	NW ² to W ² winds, moderate or fresh; fair at first, some rain later.
1	{ SCOTLAND EAST	NW ² winds, light or moderate; fair generally.
2	{ ENGLAND N.E.	
3	{ ENGLAND EAST	NW ² winds, light; fair generally, but some fog at inland stations. Colder.
4	{ MIDLAND COUNTIES	
5	{ ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	{ SCOTLAND WEST	Same as nos 1+2
7	{ ENGLAND N.W.	
8	{ ENGLAND S.W.	NW ² to N ² winds, light; dull. Some mist or fog.
9	{ IRELAND NORTH	SW ² to variable breezes; dull, misty, slight rain locally.
10	{ IRELAND SOUTH	

WARNINGS

At 3.30 pm yesterday to Districts 1+2 part of O
Rehorst N.Cone, & at 10.15 am. today to same
Districts. Lower Cone.

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	"	"	"	"	"	"	"	"	"	"	c	"	0.8	50	39	0.4	-
Newton Reigny (Penrith)	30.09	46	W 5	c	30.20	+ .10	43	42	- 4	WNW 3	c	"	0.6.9	48	43	1.4	0.01
Bath	30.29	46	W 1	m	30.30	- .04	38	38	- 8	W 1	f	"	m	52	36	0.0	-

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, 6 p.m.	50	45	c	2.4	-	Worthing	"	"	"	1.4	"
Birmingham, 9 p.m.	52	43	c	0.2	-	Llandudno	"	"	"	0.9	"
Lowestoft, 6 p.m.	52	40	b	3.2	-	Rhyl	"	"	"	3.3	"
Hastings	"	"	"	0.5	"	Southport, 9 p.m.	50	47	c, b, c	4.7	-
Eastbourne	"	"	"	0.5	"	Manchester, 9 p.m.	51	45	c	2.0	-
Brighton	"	"	"	1.0	"	Darwen, 9 p.m.	47	42	o	0.7	0.04

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

STATIONS.	TEMPERATURE.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal) DEC. 2 nd	-	-	-	Ins.	Algiers ... DEC. 2 nd	57	52	r, o	0.16
Madrid	-	-	-	-	Tunis...	68	41	bc, c	-
Corsica (I. Sanguinaires)	59	45	m, m	-	Vienna	41	36	r, o	0.12
Rome	57	44	b, c	-	St. Petersburg...	16	-2	b, o	-
Florence	47	37	o, b	-	Lugano ... DEC. 1 st	1 p.m.	-	-	Measured 7 a.m. 1 st
Trieste	50	39	b, c	-	Davos	-	-	Information	-
Brindisi	58	43	b, o	-	Lucerne	-	-	not arrived	-
Naples	54	45	b, o	-	Lausanne	-	-	-	-
Palermo	51	41	b, 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.

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.	DEC. 3 rd 1901.	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	7.45	11.43	3.41
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Greenwich	7.48	11.50	3.52
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick	8.41	12.22	3.23
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.	Valencia	8.31	12.31	4.31
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 Wednesday, 4th December 1901.

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.		BAROMETR.		TEMPERATURE.			WIND.		Sea (0 to 9.)	Weather.	TEMP.		Sun- shine. Hours	Rainfall. Ins.			
		At 23 rd and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather.	At 8 th Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)	Weather.			Max.	Min.					
																					Ins.	Ins.	"
SCANDINAVIA.																							
Haparanda	30.11	-10	N	2	b	30.09	+1.4	-5	-5	+2	Z	0	c	*	b	?	?	*	-				
Hernösand	30.15	7	N	2	b	30.21	+5.1	0	-1	-20	Z	0	b	*	b	25	?	*	-				
Stockholm	29.61	24	SW	8	o	30.22	+6.4	15	13	-12	NW	2	o	*	o	34	?	*	0.04				
Wisby	29.88	34	N	9	s	30.13	+6.3	29	27	-7	N	8	o	*	4	41	25	*	-				
Karlstad	30.26	16	N	2	b	30.38	+4.6	7	7	-20	N	2	b	*	b	*	*	*	-				
Färder (X'lapa Fjord)	30.14	29	NNE	6	b	30.34	+7.2	26	23	-11	SW	1	b	1	b	37	25	*	-				
Bodö	30.05	10	ENE	4	c	29.91	-0.4	37	35	+2.4	W	6	o	3	c	37	9	*	-				
Christiansund	30.21	32	SE	2	b	30.14	+5.1	32	29	+1	ESE	2	o	4	b	52	28	*	-				
Skudesnaes	30.15	36	NNW	2	b	30.29	+5.8	40	38	-1	SSE	6	o	4	b	41	32	*	-				
BRITISH ISLANDS.																							
Sumburgh Head	30.20	24	Z	0	b	30.04	+0.4	46	44	+6	SW	2	c	4	b	46	35	*	0.01				
Stornoway	30.19	24	WSW	1	o	30.06	-0.9	47	44	+7	WSW	4	+	4	o	48	38	0.1	0.02				
Malin Head	30.25	48	SW	1	om	30.18	-0.4	45	44	-3	SSW	5	c	4	7, om	50	44	*	-				
Blacksod Pt.	30.26	49	SW	4	c	30.20	-1.5	50	49	+1	SSW	5	tm	5	c	50	48	*	0.03				
Valencia	30.33	48	SE	2	o	30.31	-0.1	49	46	+1	SSE	3	o	4	o	50	48	0.0	-				
Roche's Point	30.35	48	WNW	2	c	30.38	+0.5	47	45	-2	SW	3	o	3	c	52	44	*	-				
Parsonstown	30.33	45	E	1	o	30.32	+0.3	43	41	-4	SE	1	o	*	o	50	42	2.4	0.05				
Donaghadee	30.28	47	WSW	1	o	30.30	+0.5	45	43	-1	WSW	1	o	1	o	48	44	*	-				
Liverpool Obsy.	30.33	46	WNW	1	o	30.37	+1.2	43	42	-4	SSE	1	o	2	o	48	40	*	-				
Holyhead	30.33	48	W	1	og	30.36	+0.9	47	46	-1	SW	2	o	1	o, go	49	46	*	-				
Pembroke (St. Ann's)	30.34	48	N	1	c	30.37	-0.2	47	46	-1	SW	1	ogmd	2	c	50	45	0.2	0.09				
Scilly (St. Mary's)	30.33	49	NW	4	c	30.36	+0.3	49	46	-1	NNE	1	c	2	c	51	46	0.1	-				
Jersey (St. Aubins)	30.32	48	NNE	3	og	30.40	+0.4	47	43	-3	NE	2	om	2	c, og	54	46	1.4	0.05				
Portland Bill	30.34	46	NE	1	o	30.41	+1.1	44	41	-6	NNE	1	om	1	c, o	50	43	*	-				
Dungeness	30.28	41	W	2	b	30.40	+1.4	34	33	-10	N	2	c	2	o, b	47	31	*	-				
Wick	30.23	34	Z	0	b	30.09	-0.1	44	43	+2	S	1	c	0	b	44	33	*	-				
Nairn	30.26	36	Z	0	b	30.14	-0.3	46	43	+5	W	1	c	1	b	46	33	*	0.01				
Aberdeen	30.28	36	WNW	2	b	30.22	+1.0	42	40	0	SSW	2	ogm	1	b	46	32	2.2	-				
Leith	30.28	43	Z	0	bc	30.25	+0.9	46	44	+5	WSW	3	o	*	bc	47	35	*	-				
North Shields	30.29	44	N	2	c	30.30	+1.6	37	36	-4	SW	1	of	3	c	47	33	*	-				
Spurn Head	30.24	43	NW	4	b	30.38	+2.5	39	38	-5	NW	3	bc	4	b	46	36	*	-				
Yarmouth	30.21	43	NW	3	c	30.36	+2.2	40	39	0	NNW	3	f	4	bc, om	46	38	*	0.02				
Loughborough	30.32	42	WNW	1	o	30.43	+2.0	26	26	-19	SE	1	of	*	bc, of, o	48	25	*	-				
Oxford	30.36	44	WNW	2	o	30.46	+1.8	28	28	-14	Z	0	f	*	o	47	28	*	-				
London (Brixton)	30.32	48	NW	2	ogm	30.44	+1.4	36	35	-9	S	1	ogm	*	og, m	48	35	0.0	-				
GERMANY, &c.																							
The Scaw (Skagen)	30.15	31	NE	3	bc	30.36	+1.4	29	28	-14	E	1	b	0	bc	43	27	*	-				
Fanö	30.19	30	N	2	b	30.38	+6.5	29	28	-15	N	1	o	*	b	46	28	*	-				
Cuxhaven	30.03	42	NNE	3	b	30.36	+5.0	35	33	-9	NE	3	o	*	b	46	34	*	0.08				
The Helder	30.13	46	N	4	+	30.34	+2.5	41	39	-7	E	1	c	1	+	48	41	*	0.04				
Brussels	*	*	*	*	*	30.36	+1.5	41	39	-2	NE	1	o	*	b	46	39	*	0.04				
Berlin	29.91	42	W	4	+	30.23	+3.6	35	33	-8	NW	4	b	*	+	45	34	*	0.16				
Frankfurt	30.14	43	W	2	b	30.26	+1.0	41	40	-4	N	2	c	*	b	46	41	*	-				
Munich	30.18	37	SW	5	o	30.23	-0.2	34	34	-3	SW	4	o	*	o	41	32	*	0.08				
FRANCE.																							
C. Gris Nez	30.28	46	NW	2	o	30.38	+1.3	43	42	-4	ENE	3	bc	3	o	48	36	*	-				
Brest	30.36	48	NNW	2	f	30.38	+0.1	45	44	-2	NE	2	c	2	f	52	45	*	0.12				
Lorient	30.33	50	N	4	o	30.38	-0.0	46	44	0	ENE	3	o	2	o	57	45	*	-				
Rochefort	30.36	?	ENE	2	c	30.37	-0.2	46	?	+1	SE	3	o	*	bc	48	43	*	-				
Biarritz	30.30	43	ENE	2	c	30.30	-0.6	38	37	-1	ESE	2	m	2	c	48	37	*	-				
Paris	30.28	46	NNE	2	o	30.36	+0.4	36	35	-8	NNE	2	bc	*	o	50	34	*	-				
Belfort	30.24	39	WSW	7	bc	30.25	-0.6	35	33	-2	Z	0	bc	*	bc	42	32	*	-				
Lyons	30.16	38	NNW	1	o	30.26	-1.3	38	37	0	N	1	o	*	o	38	37	*	-				
Nice	30.10	49	Z	0	o	29.94	-3.1	40	38	-2	E	3	c	3	o	55	37	*	-				
Perpignan	30.22	38	SE	8	b	30.15	-1.6	38	35	+4	NW	2	b	*	b	51	31	*	-				
SPAN. PEN.																							
Corunna																							
Lisbon	30.11	56	NNE	5	b	30.11	-0.2	48	44	-1	NNE	4	b	*	b	61	46	*	-				
Azores (P. Delgada)																							

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

* Observations for this column not generally received.

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

WEATHER CHARTS

FOR WEDNESDAY, 4TH DECEMBER, 1901.

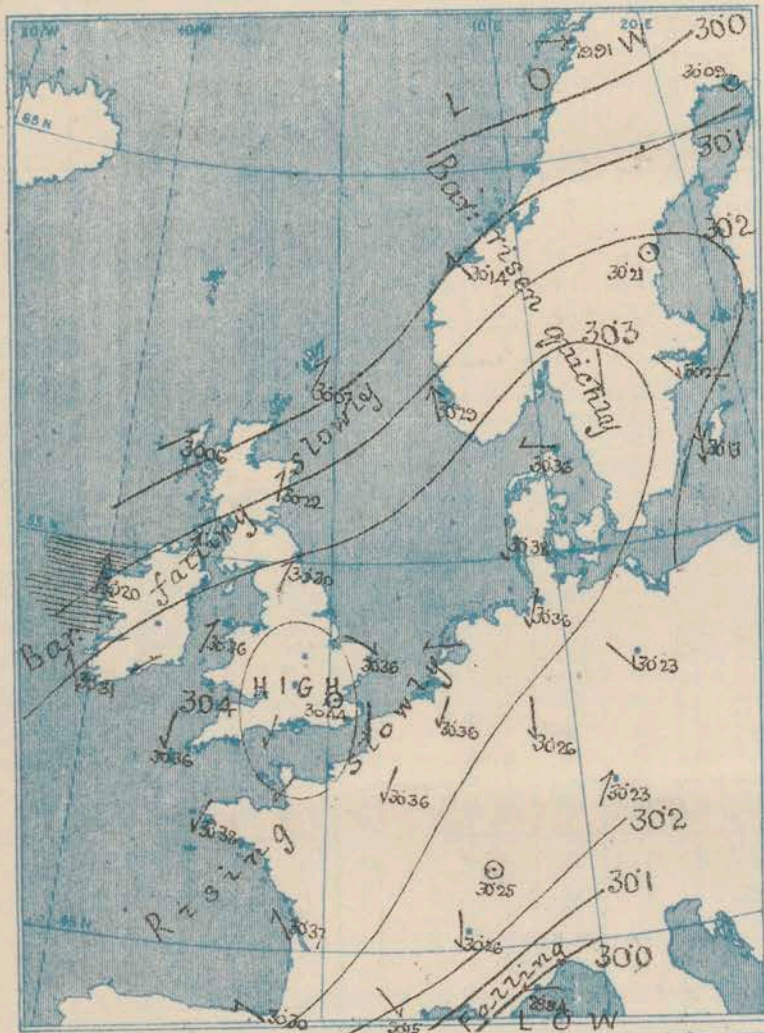
I. BAROMETER, WIND AND SEA. This Morning.

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 ≡

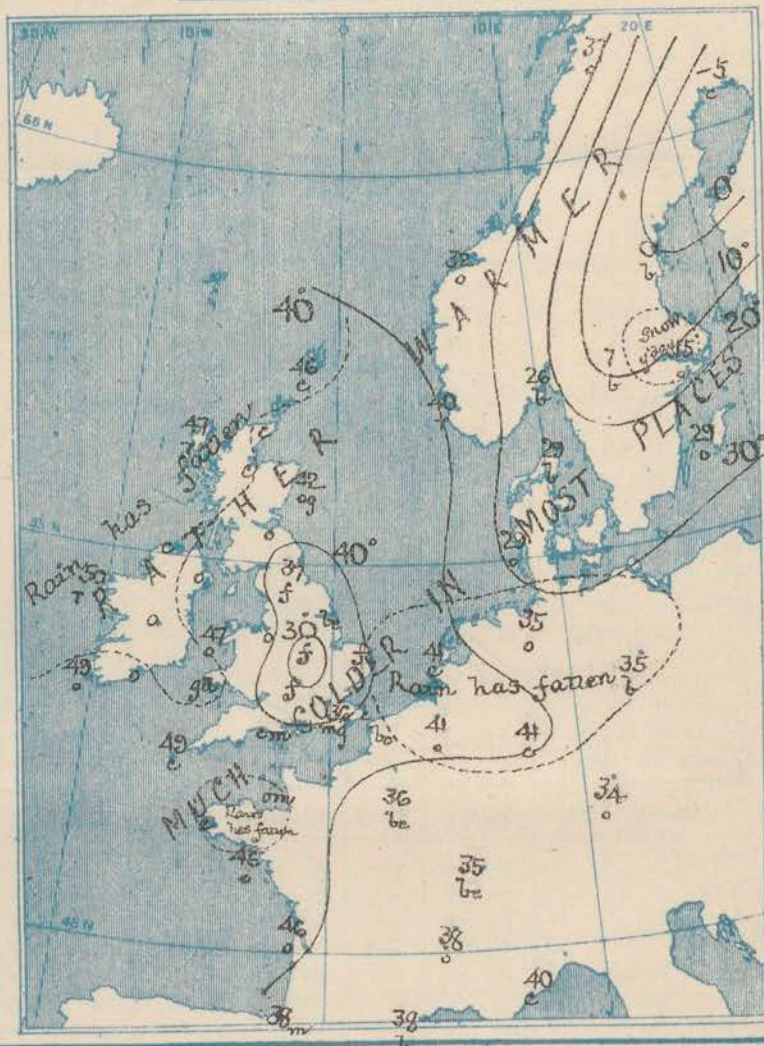


II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

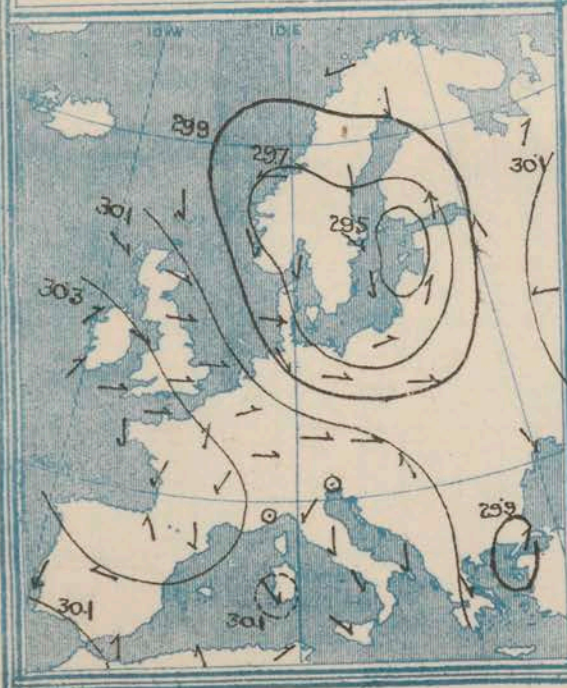
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

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

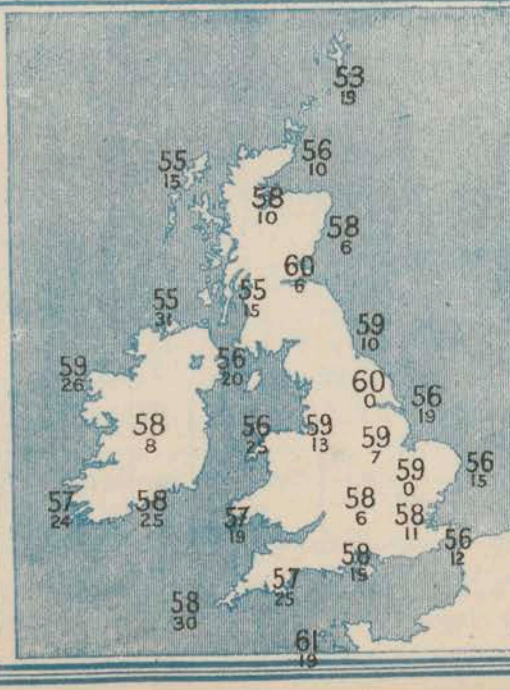
Yesterday morning.



IV. EXTREMES OF TEMPERATURE in month of DECEMBER (1871-1900)

Specimen { Highest Max. 59
(for Shields) { Lowest Min. 10

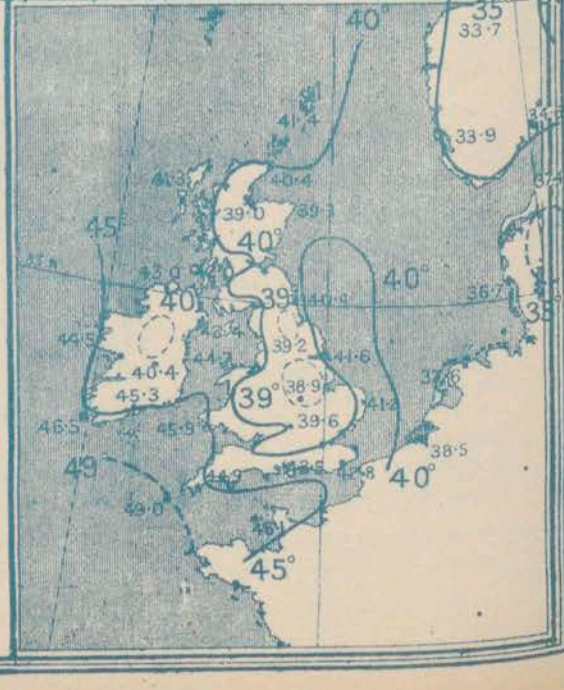
Malin Head & Blacksod Belmullet Values are for only 15 Yrs



V. Means of DAILY TEMPERATURE

at 8 am. for the Two monthly period

December—November (1871-1900.)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The anticyclone noticed yesterday over France and the south-west of our islands has spread north-eastwards and now embraces the greater part of Western Europe, the highest pressures, 30.4 ins. and upwards, being reported over central and southern England and the eastern parts of the Channel. The lowest readings, 30.0 ins. and less, are at present found in the north of Norway, but the barometer is falling in Ireland and Scotland and a new low pressure system is approaching our extreme northern coasts from the westward. In nearly all other parts of our area the mercury is rising.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind is S.W. or S.W. by W. in Ireland and Scotland (fresh in force in the north of Ireland) and S.E. in the west of Norway. In Denmark, North Germany and the east and south of England it is light from the northward or north-westward, while in the west of France it is E. With the extension of the anticyclone a considerable fall of temperature has occurred over England as well as at many of the continental stations, the change since yesterday morning amounting to as many as 20° at Harrogate and Karlstad, 19° at Loughborough and 17° at Oxford. Frost now prevails over central England as well as in the northern parts of the Continent, the lowest readings reported being:—(1) In our islands, 26° at Loughborough and 28° at Oxford; (2) On the Continent, -5° Fahr. at Haparanda, 0° at Harrogate and 7° at Karlstad. At most of the Irish and Scotch stations the S.W. and S.W. by W. current is accompanied by temperatures exceeding 45°, the highest reading reported being 50° at Blackhead Point. The weather is cloudy in most places, with fog over the eastern and central parts of England and with rain at Stornoway and Blackhead Point. The sea is moderate or slight generally, but rather rough at Blackhead Point. During yesterday the thermometer rose to 50° or slightly above it on many parts of our western and southern coasts; in the north-east of Scotland it did not reach 45°. The amount of bright sunshine was mostly small (at many of our stations there was none) but at Harrogate there was as much as 6.2 hours. Slight rain fell in many isolated parts of Western Europe.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Anticyclonic conditions are likely to continue over England for the present, and fog is therefore probable in many places, with frost at night. In Ireland and Scotland the weather will be influenced by cyclonic disturbances skirting our northwestern and northern coasts; increasing S.W. winds and rain are therefore probable in those countries.

FORECASTS *

For the 24 hours ending at NOON on 5th December, 1901

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	SW ^{ly} winds, increasing in force; drizzle, some rain.
1	SCOTLAND EAST	SW ^{ly} winds, freshening, fair at first, some rain later.
2	ENGLAND N.E.	W ^{ly} & SW ^{ly} winds, light; fair generally, milder.
3	ENGLAND EAST	Light and somewhat variable breezes; foggy or misty in most places. Frosty at night.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as No. 0
7	ENGLAND N.W.	Same as No. 1.
8	ENGLAND S.W.	Variable breezes, finally SW ^{ly} ; fair generally, but misty or foggy in places.
9	IRELAND NORTH	S ^{ly} winds, freshening; drizzle, some rain.
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. 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.

* 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 8 P.M.				THIS MORNING 8 A.M.							PAST 24 HOURS.					
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.		
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	6	*	2.6	48	35	0.6	-
Newton Reigny (Penrith)	30.34	35	ZO	6	30.34	+1.14	38	37	-5	SE 2	0	*	cm, 6.0	47	30	4.7	-
Bath	30.41	44	W 1	m	30.42	+1.12	37	36	-1	NE 1	0	*	m	48	34	0.0	-

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Rainfall.		STATIONS.	TEMPERATURE.		Weather.	Sunshine. Rainfall.	
	Max.	Min.		Hrs.	Ins.		Max.	Min.		Hrs.	Ins.
Harrogate, 6 p.m.	49	38	b	6.2	—	Worthing	*	*	*	0.0	—
Birmingham, 9 p.m.	47	43	c	0.0	—	Llandudno	*	*	*	0.1	—
Lowestoft, 6 p.m.	47	39	b	4.2	—	Rhyl	*	*	*	1.0	—
Hastings	*	*	*	0.0	*	Southport, 9 p.m. ...	48	43	o, c, w	0.2	—
Eastbourne	*	*	*	0.0	*	Manchester, 9 p.m. ...	48	38	c	0.0	—
Brighton	*	*	*	0.0	*	Darwen, 9 p.m. ...	46	35	b, v, w	1.9	—

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

STATIONS.	TEMPERATURE.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal) DEC. 3 rd	—	—	—	Ins.	Algiers ... DEC. 3 rd	64	52	c, c	—
Madrid	54	34	b, o	—	Tunis... ..	66	43	-bc, -bc	—
Corsica (I. Sanguinaires) ...	54	45	m, m	—	Vienna	45	39	c, o	—
Rome	56	37	b, b	—	St. Petersburg... ..	18	-2	-b, o	—
Florence	53	32	b, f	—	Lugano ... DEC. 2 nd	46	—	b	Measured at 7 a.m. 2
Trieste	54	37	b, o	—	Davos	34	—	o	—
Brindisi... ..	57	48	b, b	—	Lucerne	41	—	b	—
Naples	57	37	b, b	—	Lausanne... ..	39	—	b	—
Palermo	62	46	o, b	—					

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.					TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.			
	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.	DEC 4 TH 1901.	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	7.46	11.43	3.40
Germany, Denmark, } Norway, Sweden ... }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Greenwich	7.49	11.50	3.52
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick	8.43	12.2	3.22
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.	Valencia	8.32	12.31	4.30
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.

£1 10 0 " Single Copies, 6d.

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

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

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

DAILY WEATHER REPORT

for 8 a.m. on Thursday 5th December 1901.

Issued by the Meteorological Office, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		BAROM.		TEMP.		WIND.	Weather.	BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9.)	Weather.	Time		Sun- shine. Hours	Rainfall. Ins.
		At 8 ³⁰ and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)			At 8 ³⁰ Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)				Max.	Min.		
SCANDINAVIA.	Haparanda	29.89	13	SE	2	c	29.73	-.31	16	16	+21	N	2	f	*	c	16	?	*	-	
	Hernösand	30.05	17	Z	0	b	29.92	-.29	31	30	+31	Z	0	f	*	b	?	-18	*	-	
	Stockholm	30.28	11	Z	0	b	30.12	-.10	27	26	+12	SW	2	o	*	b	27	10	*	-	
	Wisby	30.31	37	N	6	o	30.21	+0.08	34	?	+5	SE	2	o	*	o	37	23	*	-	
	Karlstad	30.24	17	NE	2	o	30.08	-.30	25	24	+18	NNE	2	f	*	o	*	*	-		
	Färder (X'ania Fjord)	30.23	32	WNW	2	ba	30.05	-.29	43	41	+14	WSW	5	o	3	bc	?	26	*	-	
	Bodö	29.67	41	SW	6	o	29.72	-.19	43	42	+6	SW	6	r	3	o	43	36	*	0.44	
	Christiansund	29.95	44	WSW	2	o	29.86	-.28	42	41	+10	Z	0	c	5	o	46	30	*	0.04	
	Skudesnaes	30.21	44	S	6	r	30.00	-.29	45	44	+5	S	4	o	4	o, r	45	37	*	-	
	Sumburgh Head	29.92	47	SW	2	o	29.64	-.43	46	45	0	S	2	c	4	r, o	48	45	*	0.03	
BRITISH ISLANDS.	Stornoway	29.92	49	WSW	4	c	29.50	-.56	49	47	+2	SW	8	r	8	d, c	50	46	0.0	0.15	
	Malin Head	30.09	47	SSW	6	c	29.70	-.48	46	45	+1	SSW	6	thp	4	c	48	44	*	0.02	
	Blacksod Pt.	30.08	50	SSW	7	bgmr	29.75	-.45	46	43	-5	W	4	o	5	op, qm, r	51	44	*	0.42	
	Valencia	30.21	48	SSE	4	omd	29.85	-.46	48	47	-1	SW	3	r	4	o, m, d, p	50	46	0.0	0.59	
	Roche's Point	30.28	48	SW	3	c	29.89	-.49	50	48	+3	SW	7	o	5	c	50	46	*	-	
	Parsonstown	30.22	45	SE	1	o	29.82	-.50	47	45	+4	SE	2	r	*	o	48	42	0.2	0.04	
	Donaghadee	30.20	45	ESE	3	c	29.84	-.46	46	44	+1	SSW	4	cu	3	c	48	41	*	-	
	Liverpool Obsy.	30.31	44	S	1	r	30.03	-.34	44	41	+1	SE	3	o	3	r	47	42	*	0.03	
	Holyhead	30.28	48	SW	3	o	29.94	-.42	49	47	+2	SW	6	cp	4	c, o	49	44	*	0.01	
	Pembroke (St. Ann's)	30.33	46	SW	3	c	30.02	-.35	51	47	+4	SSW	7	o	6	c, q, p	51	45	0.1	0.13	
GERMANY, &c.	Scilly (St. Mary's)	30.33	50	ESE	3	o	30.09	-.27	50	48	+1	S	5	o	3	c, o	52	46	0.0	-	
	Jersey (St. Aubins)	30.39	48	ESE	3	ogm	30.26	-.14	44	39	-3	SSW	3	o	3	c, ogm	50	43	1.6	-	
	Portland Bill	30.38	45	E	2	o	30.21	-.20	47	45	+3	S	3	og	3	o	47	44	*	-	
	Dungeness	30.39	40	NE	1	c	30.27	-.13	44	40	+10	SW	4	c	2	b, c	47	34	*	-	
	Wick	29.94	46	SW	4	c	29.62	-.47	47	44	+3	S	5	c	2	c	48	43	*	-	
	Nairn	30.00	48	W	2	c	29.63	-.51	46	43	0	WSW	4	c	1	c	50	43	*	-	
	Aberdeen	30.08	44	SW	2	bc	29.81	-.41	47	41	+2	S	3	c	3	cm, bc	46	41	3.1	-	
	Leith	30.15	45	SW	1	bc	29.81	-.44	47	43	+1	SW	3	bc	*	bc	49	42	*	-	
	North Shields	30.23	42	SSW	2	cm	29.96	-.34	43	42	+6	S	3	o	2	of, m, c	43	36	*	-	
	Spurn Head	30.32	40	SSW	3	b	30.12	-.26	38	27	-1	SSW	4	c	3	b	46	36	*	-	
FRANCE.	Yarmouth	30.35	43	WSW	1	c	30.22	-.14	40	39	0	SW	3	om	3	c	44	37	*	-	
	Loughborough	30.37	38	ESE	2	b	30.16	-.27	38	36	+12	SSE	4	o	*	f, m, o, b	43	26	*	-	
	Oxford	30.39	37	Z	0	b	30.20	-.26	37	35	+9	S	2	o	*	f, b	43	28	*	-	
	London (Brixton)	30.39	41	Z	0	fg	30.23	-.21	42	40	+6	SSE	2	o	*	fg, b	48	32	0.0	-	
	The Scaw (Skagen)	30.26	32	NW	4	bc	30.18	-.18	36	35	+7	SW	2	bc	1	bc	36	27	*	-	
	Fanö	30.39	32	SSE	2	o	30.27	-.11	38	37	+9	S	3	o	*	o	39	28	*	0.04	
	Cuxhaven	30.44	34	Z	0	b	30.36	-.00	28	26	-7	SSW	2	b	*	b	36	25	*	-	
	The Helder	30.38	41	SSE	1	r	30.26	-.08	32	31	-9	S	1	o	1	r	41	32	*	-	
	Brussels	30.33	41	SE	1	*	30.33	-.03	26	26	-15	WSW	1	f	*	f	42	26	*	-	
	Berlin	30.41	41	NW	3	c	30.41	+1.8	29	28	-6	NW	2	o	*	c	43	27	*	-	
SPAN. PEN.	Frankfurt	30.41	33	NE	2	b	30.37	+1.1	28	27	+13	NE	2	o	*	b	43	28	*	-	
	Munich	30.33	35	Z	0	o	30.31	+0.8	26	26	-8	E	2	b	*	o	37	?	*	0.04	
	C. Gris Nez	30.35	41	ENE	2	bc	30.28	-.10	36	35	-8	S	2	bc	2	bc	48	34	*	-	
	Brest	30.37	46	SSE	1	o	30.23	-.15	46	44	+1	ESE	3	o	2	o	48	41	*	-	
	Lorient	30.36	46	ENE	3	c	30.26	-.12	41	41	-5	SE	3	c	2	c	54	39	*	-	
	Rochefort †	30.37	42	NE	3	b	30.32	-.05	35	34	-11	SE	3	b	*	b	50	34	*	-	
	Biarritz	30.29	41	E	3	o	30.26	-.04	35	34	-3	ESE	3	m	?	o	45	34	*	-	
	Paris	30.39	42	NE	2	o	30.32	-.04	27	27	-9	N	1	bc	*	o	50	25	*	-	
	Belfort	30.29	36	ENE	4	m	30.26	+0.1	28	28	-7	ENE	5	f	*	m	42	28	*	-	
	Lyons	30.26	39	NNE	2	b	30.30	+0.4	30	30	-8	NE	1	o	*	b	42	29	*	-	
SPAN. PEN.	Nice	29.97	48	NE	4	b	30.08	+1.4	45	36	+5	NE	4	bc	4	b	55	40	*	-	
	Perpignan	30.17	40	NW	3	b	30.19	+0.4	36	33	+2	NW	2	b	*	b	48	34	*	-	
SPAN. PEN.	Corunna	30.12	51	N	4	b	30.17	+0.6	43	42	-5	N	1	b	*	b	59	43	*	-	
	Lisbon †	30.12	51	N	4	b	30.17	+0.6	43	42	-5	N	1	b	*	b	59	43	*	-	
Azores (P. Delgada)		30.12	51	N	4	b	30.17	+0.6	43	42	-5	N	1	b	*	b	59	43	*	-	

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

* Observations for this column not generally received.

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

WEATHER CHARTS

FOR Thursday, 5th December, 1901.

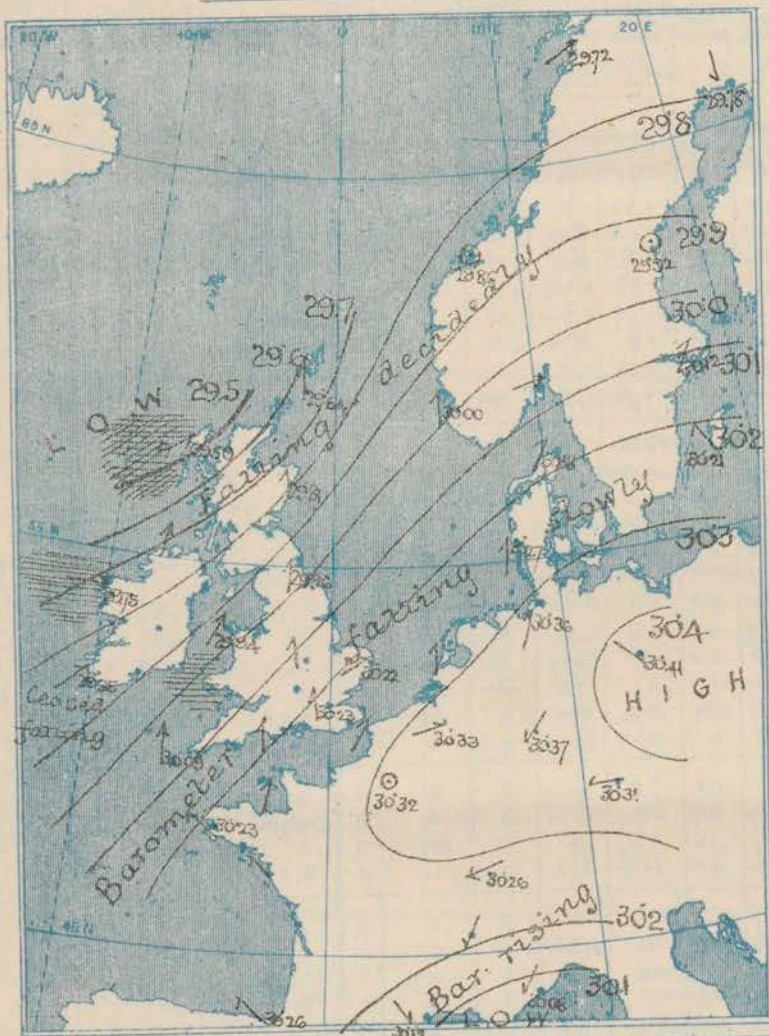
I. BAROMETER, WIND AND SEA. This Morning.

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

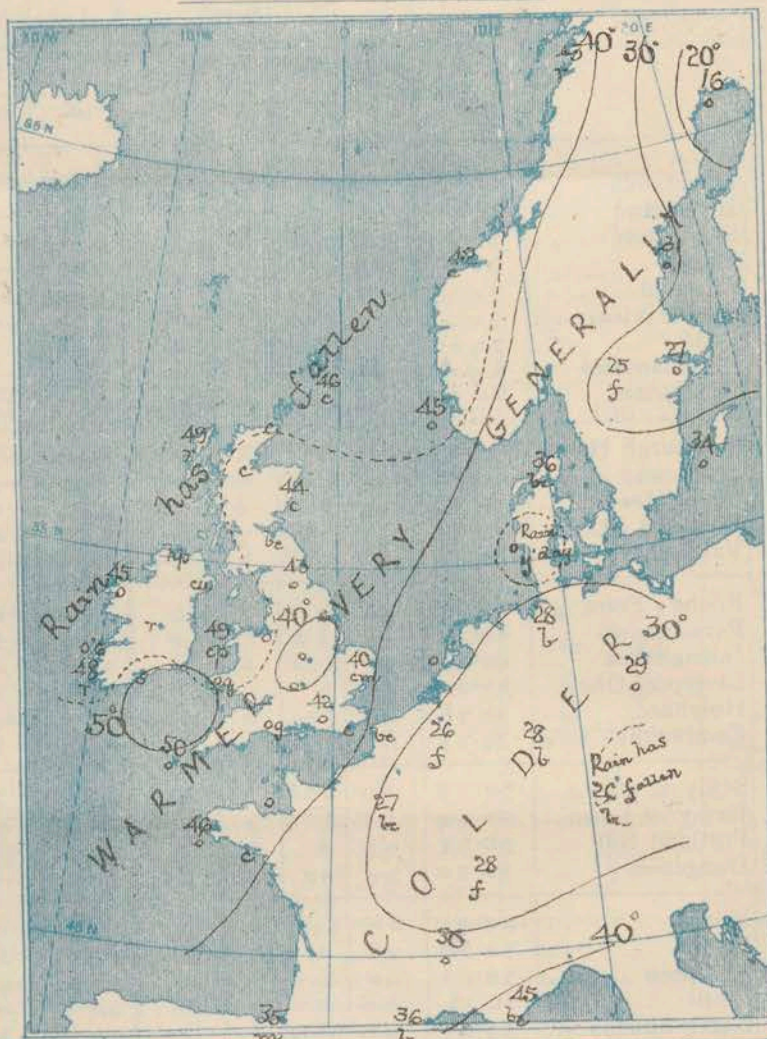


II TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

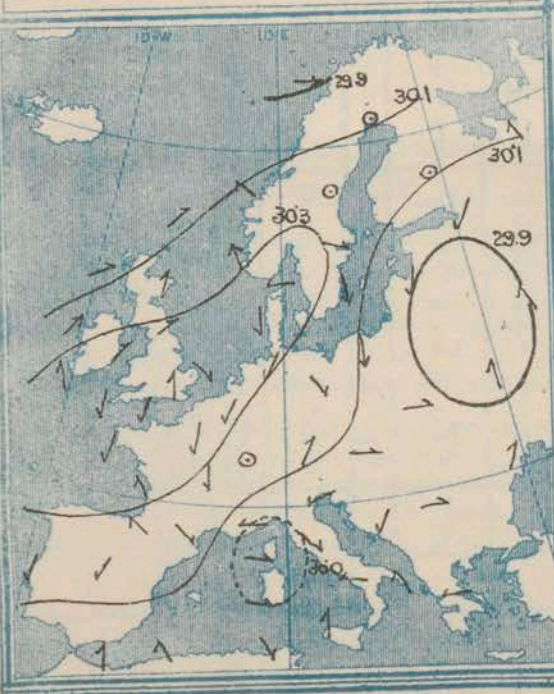
WEATHER.—Shown by Letters of the Beaufort Scale. (See P 4)

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.

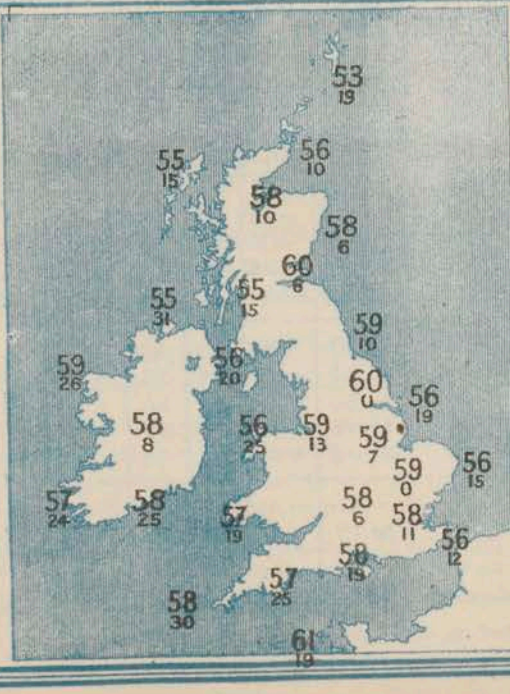


IV. EXTREMES OF TEMPERATURE

in month of DECEMBER (1871-1900)

Specimen { Highest Max. 59
(for Shields) { Lowest Min. 10

Malin Head & Blacksod. Belmullet Values are for only 15 Yrs.



V. Means of DAILY TEMPERATURE

at 8 am. for the Two monthly period

December-November (1871-1900.)



GENERAL SITUATION AT 8 A.M.

PRESSURE

A cyclonic system with minimum reading below 29.5 ins. has appeared off the north-west of Scotland and under its influence the barometer is now falling over north-western Europe generally - briskly on our northern coasts; at Valencia (Ireland) the fall has, however, ceased. The anticyclone of yesterday has moved south-eastwards, the highest pressures, 30.3 ins. to 30.4 ins. being reported this morning over Germany and the north-east of France.

WIND

TEMPERATURE

WEATHER

AND

SEA

Southerly or south-westerly winds have now set in over nearly the whole of north-western Europe and on our own western coasts they blow strongly, while at Stornoway a fresh gale is reported. The setting in of a decided southerly current has resulted in a general rise of temperature in all the regions affected, the change being especially marked in Sweden; at Helsingfors the reading this morning is no fewer than 51° higher than it was yesterday. Over eastern and central England the thermometer is still slightly below the average, but in all other parts of our island it is decidedly high for the time of year, the readings on our south-west coasts being equal to, or a trifle above, 50°. Over France, Germany and the Netherlands the winds are light and anticyclonic, with lower temperatures than those of yesterday, frost being reported in most parts of those countries; at Brussels and Munich the reading is as low as 26°. The weather is cloudy or dull over the United Kingdom and the adjacent parts of the Continent and also in Scandinavia, with rain at several of our western stations and at Bodö. Over the greater part of France and Germany the sky is fine, but fog is reported at Brussels and Belfort, as well as at some of the Swedish stations. The sea is very high at Stornoway and rough on several parts of our west coasts.

During yesterday the thermometer rose to 50° or slightly above it at several of our western and extreme northern stations. The amount of Bright Sunshine was small generally; at many of our western stations and also in London and at Brighton there was none, but at Kitterston on sea there was as much as 4.8 hrs. Rain has fallen in Ireland and the west and north of Scotland, but not heavily.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The cyclonic system noticed above is likely to move away shortly to the northward. With the present distribution of pressure, however, further disturbances will probably appear off our western coasts. The unsettled weather in the west is likely to spread eastwards, with a decided rise of temperature over England.

FORECASTS*

For the 24 hours ending at NOON on 6th December, 1901

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	S th & SW th gales or strong winds; squally. Some rain.
1	SCOTLAND EAST	S th & SW th winds, increasing in force; squally. Some rain.
2	ENGLAND N.E.	
3	ENGLAND EAST	S th & SW th winds, freshening, cloudy. Some showers. Milder.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as No. 0.
7	ENGLAND N.W.	
8	ENGLAND S.W.	S th & SW th winds, strong; squally. Some rain.
9	IRELAND NORTH	
10	IRELAND SOUTH	SW th winds, moderate, to S th strong, perhaps a gale; squally. Some rain.

WARNINGS

At 11 pm. yesterday 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	*	*	*	*	*	*	*	*	*	*	0	*	bc, 0	47	37	2.2	—
Newton-Reigny (Penrith)	30.24	44	SSE 3	0	29.95	— .39	41	41	+ 3	SE 3	+	*	og, md	45	38	0.2	0.03
Bath	30.18	38	W 1	0	?		42	40	+ 5	SE 1	0	*	0	45	25	1.5	—

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, 6 p.m.	44	31	c	0.0	—	Worthing	*	*	*	1.1	*
Birmingham, 9 p.m.	46	37	b	0.0	—	Llandudno	*	*	*	0.0	*
Lowestoft, 6 p.m.	45	37	0	1.0	—	Rhyl	*	*	*	2.0	*
Hastings	*	*	*	1.2	*	Southport, 9 p.m.	45	41	o, d, o, c	0.0	0.06
Eastbourne	*	*	*	1.8	*	Manchester, 9 p.m.	45	35	c	0.0	0.003
Brighton	*	*	*	0.0	*	Darwen, 9 p.m.	43	35	d	0.0	0.04

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

STATIONS.	TEMPERATURE.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal) DEC. 4	—	—	—	Ins.	Algiers DEC. 4	64	54	0, 0	Ins.
Madrid	54	32	0, b	—	Tunis	63	45	bc, m	—
Corsica (I. Sanguinaires)	57	46	m, m	0.04	Vienna	43	37	0, 0	—
Rome	58	44	b, 0	0.32	St. Petersburg	21	7	g, 0	0.04
Florence	44	40	m, f	—	Lugano DEC. 3	43	—	b	Measured 7 a.m. 3
Trieste	52	43	0, f	—	Davos	30	—	b	—
Brindisi	54	39	b, 0	—	Lucerne	37	—	m	—
Naples	55	46	b, 0	—	Lausanne	36	—	m	—
Palermo	66	42	0, 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.

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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.	DEC. 5 th 1901.	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	7.44	11.44	3.40
Germany, Denmark, Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Greenwich	7.50	11.51	3.52
France	7 a.m. (Paris) ...	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick	8.45	12.3	3.21
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.	Valencia	8.33	12.32	4.30
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.

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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 6th December 1901.

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)	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.	Max.	Min.	Sun- shine. Hours	Rainfall. Inch.
						Inch.									Inch.					
SCANDINAVIA.	Haparanda ...	29.87	25	SE	2	f	29.85	+0.07	26	26	+10	SSE	2	0	*	f	26	10	*	—
	Hernösand ...	29.87	22	Z	0	b	29.74	-0.18	29	28	-2	Z	0	0	*	b	32	18	*	—
	Stockholm ...	30.09	34	Z	0	o	30.00	-0.09	35	35	+8	Z	0	0	*	o	36	9	*	—
	Wisby ...	30.19	36	W	6	o	30.10	-0.09	35	35	+1	SW	2	0	*	o	39	7	*	—
	Karlstad ...	30.03	38	WSW	6	o	29.95	-0.08	35	33	+10	WSW	4	0	*	o	*	*	*	—
	Færder (Xtania Fjord) ...	29.97	44	SW	4	o	29.84	-0.13	42	41	-1	SSW	6	0	4	o	45	41	*	—
	Bodö ...	29.71	40	S	2	o	29.47	-0.24	42	39	-3	E	2	+	1	o	43	37	*	0.12
	Christiansund ...	29.65	42	WSW	1	o	29.54	-0.11	41	39	-2	WSW	6	+	6	o	45	41	*	0.12
BRITISH ISLANDS.	Skudesnaes ...	29.89	45	S	8	o	29.75	-0.14	42	41	-1	W	2	+	4	o	46	37	*	*
	Sumburgh Head ...	29.49	45	SW	3	+	29.55	-0.06	43	40	-3	SW	4	0	5	bc	47	40	*	0.16
	Stornoway ...	29.60	41	W	3	b	29.57	+0.07	44	43	-1	WSW	5	bc	5	bc	50	37	0.0	0.19
	Malin Head ...	29.78	46	WNW	7	bc	29.76	+0.02	48	47	+1	WSW	7	bc	6	bc	48	43	*	0.17
	Blacksod Pt. ...	29.93	45	NW	4	b	29.93	+0.00	51	50	+1	SW	6	bc	5	bc	51	44	*	0.19
	Valencia ...	30.08	48	WSW	5	bc	30.17	+0.09	51	49	+2	SSW	4	bc	5	bc	51	46	3.8	0.08
	Roche's Point ...	30.05	43	WNW	4	b	30.21	+0.16	47	45	-2	WSW	3	bc	3	bc	50	40	*	—
	Parsonstown ...	29.98	38	E	1	b	30.10	+0.12	43	42	-1	SE	1	+	*	b	47	34	0.9	0.29
GERMANY, &c.	Donaghadee ...	29.83	42	WSW	2	c	29.99	+0.16	42	41	-1	SSW	3	bc	3	c	47	36	*	0.13
	Liverpool Obsy. ...	29.91	44	WSW	5	+	30.13	+0.22	42	40	-2	SW	3	bc	2	+	47	40	*	0.10
	Holyhead ...	29.93	45	W	6	op	30.12	+0.19	46	44	-2	WSW	4	bc	3	bc	50	43	*	0.11
	Pembroke (St. Ann's) ...	29.97	48	NW	5	c	30.21	+0.24	48	44	-4	W	5	bc	4	bc	43	0.0	0.22	—
	Scilly (St. Mary's) ...	30.03	48	WNW	5	c	30.26	+0.23	48	47	-1	WNW	4	bc	4	bc	51	46	0.0	0.24
	Jersey (St. Aubins) ...	30.11	45	S	4	bc	30.28	+0.17	46	42	-4	NW	3	bc	3	bc	47	43	4.3	0.06
	Portland Bill ...	30.04	48	SSW	5	od	30.25	+0.21	44	43	+1	NW	3	bc	3	bc	48	43	*	0.09
	Dungeness ...	30.12	45	SSW	4	c	30.21	-0.06	46	45	-1	N	2	bc	2	bc	47	36	*	0.05
FRANCE.	Wick ...	29.62	41	SW	3	o	29.62	0.00	41	40	-1	S	3	c	3	o	50	37	*	0.04
	Nairn ...	29.66	40	W	1	b	29.69	+0.03	44	41	-3	SW	2	bc	1	b	50	36	*	0.03
	Aberdeen ...	29.68	42	NW	2	op	29.77	+0.09	40	38	-2	SW	3	bc	2	bc	48	35	0.0	0.07
	Leith ...	29.82	43	SW	1	o	29.86	+0.04	44	42	-2	SW	3	bc	2	bc	51	39	*	0.06
	North Shields ...	29.77	45	S	3	o	29.97	+0.20	42	41	-1	SW	1	bc	2	bc	46	38	*	0.02
	Spurn Head ...	29.91	43	SSW	5	o	30.07	-0.06	37	36	-1	SW	3	bc	1	c	43	36	*	—
	Yarmouth ...	30.05	43	S	4	c	30.12	-0.07	35	34	-1	W	4	bc	4	bc	43	34	*	0.04
	Loughborough ...	29.96	42	S	5	o	30.16	0.00	37	35	-2	WSW	2	bc	2	bc	43	36	*	0.09
SPAN. PEN.	Oxford ...	30.07	43	SSW	3	+	30.24	+0.17	34	34	-1	WSW	1	bc	*	bc	43	32	*	0.07
	London (Brixton) ...	30.06	41	SW	2	bc	30.23	0.00	33	33	-1	W	1	bc	*	bc	46	33	0.0	—
	The Scaw (Skagen) ...	30.02	37	SW	3	c	29.93	-0.09	38	37	-1	SSW	4	o	1	c	39	36	*	—
	Fanö ...	30.09	37	SSE	4	o	29.97	-0.12	41	39	+2	SSE	4	o	*	o	41	36	*	—
	Cuxhaven ...	30.22	31	SSW	2	b	30.10	-0.12	27	25	-2	SSW	3	f	*	b	34	25	*	—
	The Helder† ...	30.13	33	S	1	o	30.12	-0.01	45	43	+2	W	2	b	2	o	45	30	*	—
	Brussels ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	—
	Berlin ...	30.29	28	SE	3	b	30.21	-0.08	24	23	-1	SSE	2	b	*	b	34	23	*	—
SPAN. PEN.	Frankfurt ...	30.26	30	E	2	b	30.25	-0.01	29	28	-1	ESE	1	o	*	b	36	26	*	—
	Munich ...	30.21	24	E	2	b	30.19	-0.02	26	26	0	W	2	f	*	b	30	21	*	—
	C. Gris Nez† ...	30.12	40	WSW	2	c	30.20	-0.08	41	40	+1	NNE	4	o	*	c	48	37	*	0.12
	Brest ...	30.09	51	SW	4	o	30.34	+0.25	43	40	-3	NNW	3	c	3	o	51	41	*	0.20
	Lorient† ...	30.15	47	SW	5	o	30.30	+0.15	45	45	+1	N	3	bc	5	o	50	43	*	0.16
	Rochefort ...	30.25	35	Z	0	f	30.35	+0.10	33	33	0	SW	3	o	*	bc	45	30	*	—
	Biarritz ...	30.30	43	Z	0	bc	30.30	+0.00	45	43	+2	WSW	1	o	3	bc	46	35	*	—
	Paris ...	30.22	27	Z	0	o	30.26	-0.04	25	25	-2	S	2	o	*	o	34	23	*	—
SPAN. PEN.	Belfort† ...	30.21	26	NE	5	f	30.25	-0.05	25	25	-3	SW	5	f	*	f	35	22	*	—
	Lyons† ...	30.26	30	ESE	1	o	30.31	+0.05	26	25	-1	NW	1	f	*	o	39	25	*	—
	Nice ...	30.11	45	E	1	b	30.12	+0.01	38	31	-7	E	3	b	1	b	55	36	*	—
	Perpignan ...	30.15	37	SW	1	b	30.21	+0.06	42	36	+6	W	3	b	*	b	51	30	*	—
SPAN. PEN.	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	—
	Lisbon† ...	30.21	51	N	4	b	30.25	+0.08	49	46	+3	N	4	bc	*	b	57	46	*	—
SPAN. PEN.	Azores (P. Delgada) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	—

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

* Observations for this column: not generally received.

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

WEATHER CHARTS

FOR *FRIDAY, 6th DECEMBER, 1901.*

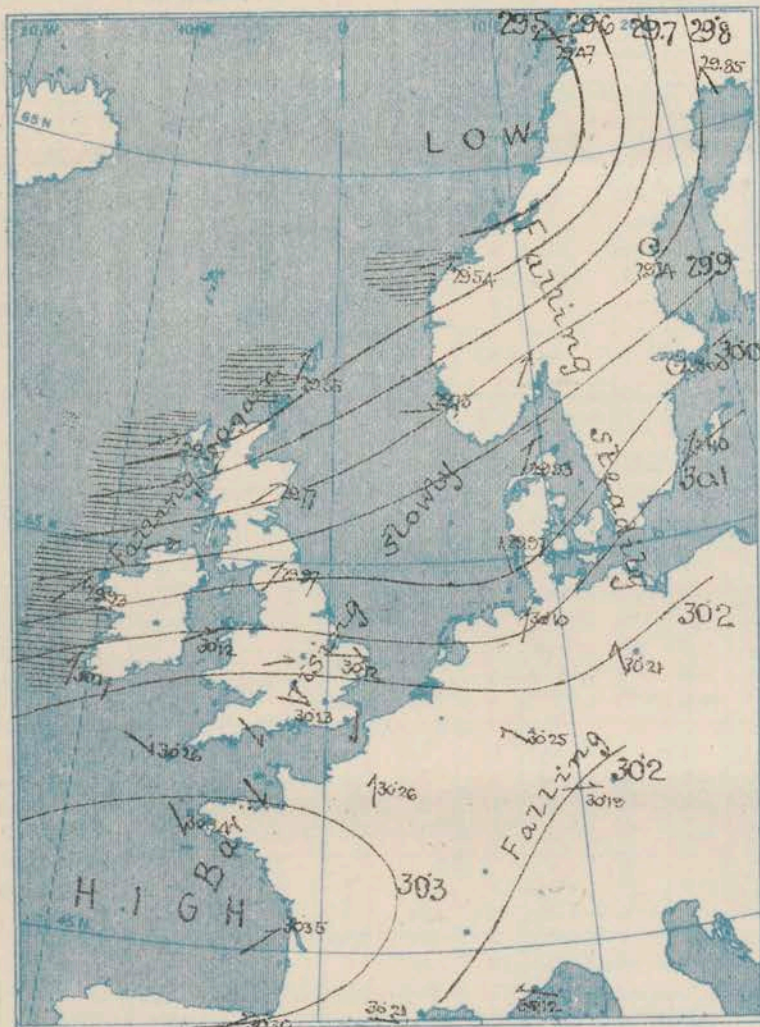
I. BAROMETER, WIND AND SEA. *This Morning.*

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 :

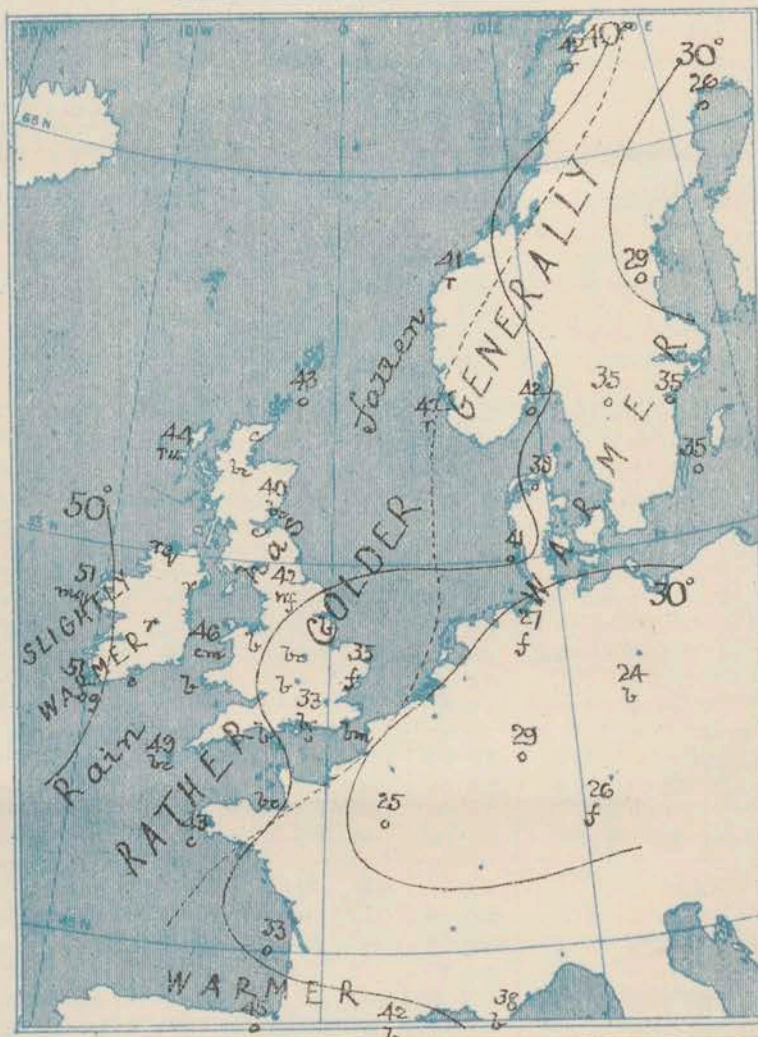


II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

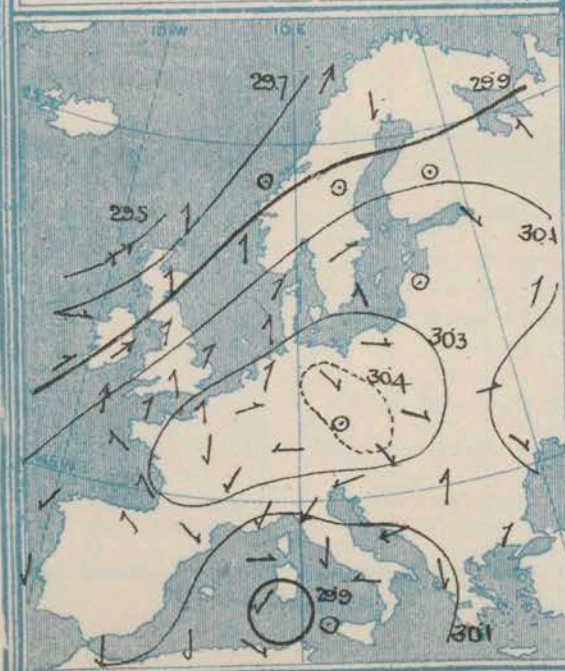
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

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.

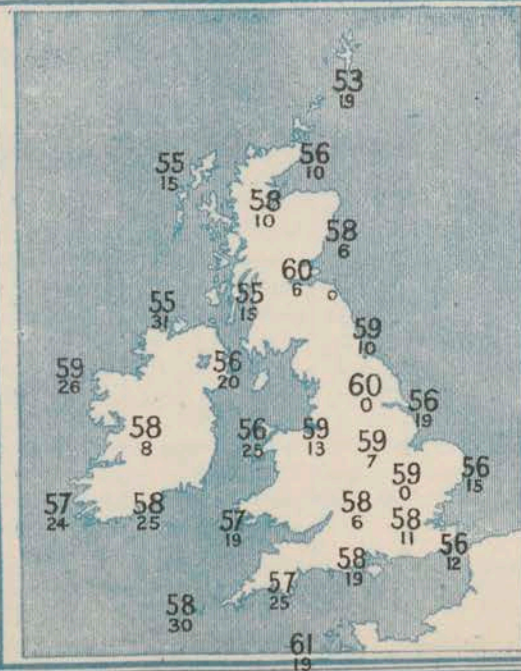


IV. EXTREMES OF TEMPERATURE

in month of DECEMBER (1871-1900)

Specimen { Highest Max. 59
(for Shields) { Lowest Min. 10

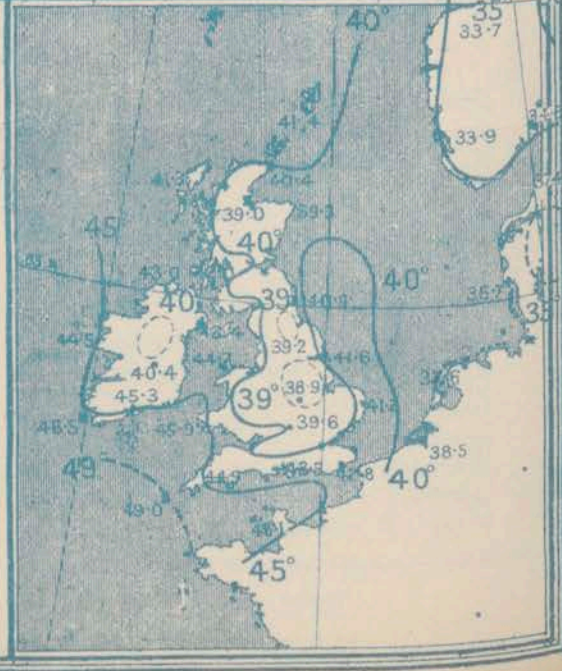
Malin Head & Blacksod. Belmullet Values are for only 15 Yrs.



V. Means of DAILY TEMPERATURE

at 8 am. for the Two monthly period

December-November (1871-1900.)



GENERAL SITUATION AT 8 A.M.

PRESSURE

Barometrical pressure is now highest, 30.3 ins. and upwards, in an anticyclone lying over the Bay of Biscay and the west of France, and lowest 29.5 ins. and less, in a cyclonic system lying off the northern parts of the Norwegian coast, a shallow secondary disturbance being situated over the North Sea. Under the influence of these disturbances the barometer is falling over the whole of Scandinavia, Denmark and Germany. A renewed fall has also set in on our own extreme north-west coast, but in other parts of our area the mercury is rising.

WIND

TEMPERATURE

WEATHER

AND

SEA

S.W. winds are prevalent over nearly the whole of North-western Europe and although light or moderate in force generally, they blow strongly in the north-west of Ireland as well as at some of the Norwegian stations. Over the south of England and the north of France the wind is light from the W. or N.W. Temperature has fallen over north-western Europe as a whole, but has risen in the west of Ireland, where the thermometer this morning is slightly above 50°. Over the greater part of England the thermometer is below the normal, the lowest reading reported being 33° in London and at Bath. Frost still prevails in Germany and central France, the morning temperatures being as low as 24° at Berlin and 25° at Paris. The weather is fine in most parts of Great Britain, but with fog at some of our eastern and central stations. In all other parts of western Europe the sky is cloudy or overcast, with rain in Ireland and the Hebrides as well as on the Norwegian coast. The sea is rough at Lornoway and Christiansund and rather rough on our extreme western and northern coasts generally.

During yesterday the thermometer rose to 50° or slightly above it at several of our western and extreme northern stations, but over eastern and central England it did not reach 45°. At a large majority of our stations there was a complete absence of bright sunshine, the only place with any appreciable amount being Valencia with 3.8 hrs. and Jersey with 4.3 hrs. Rain fell in nearly all parts of our islands, but the amount was nowhere large.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A new cyclonic disturbance is approaching the north of Scotland, apparently from the westward and increasing W. and S.W. winds are probable on our extreme north and north-west coasts. In the south of England the weather seems likely to remain for the present under the influence of the anticyclone which has appeared over the Bay of Biscay.

FORECASTS *

For the 24 hours ending at NOON on 7th December, 1901

DISTRICTS.

FORECASTS.

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

SWth winds, increasing in force; Cloudy, squally, some rain.

SWth winds, freshening; fair at first, some rain later.

Wth & SWth winds, light or moderate; fair generally, but misty or foggy in places.

DISTRICTS.

FORECASTS.

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

Same as No. 0.

Same as Nos. 1 & 2.

Wth and SWth winds, freshening; fair at first, some rain later.

Same as No. 0.

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 8 P.M.				THIS MORNING 8 A.M.							PAST 24 HOURS.			
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer. Ins. Change.	Temperature. Dry. Wet. Change.			Wind.	Weather.	Ses.	Weather.	Temperature. Max. Min.	Sun- shine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	6	*	0	43 33	0.0	—
Newton Reigny (Penrith)	29.85	40	SSE 5	6	30.00 +.05	43	41	+2	WSW 4	c	*	od, u, t, b	43 31	0.0	0.18
Bath	30.04	41	W 1	0	30.20 ?	33	33	-9	W 1	f	*	0	47 31	0.0	—

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, 6 p.m.	47	40	c	0.0	—	Worthing	*	*	*	0.4	*
Birmingham, 9 p.m.	43	35	*	0.0	0.09	Llandudno	*	*	*	0.0	*
Lowestoft, 6 p.m.	43	36	0	0.0	—	Rhyl	*	*	*	0.3	*
Hastings	*	*	*	0.0	*	Southport, 9 p.m.	47	42	o, t, c	0.0	0.12
Eastbourne	*	*	*	?	*	Manchester, 9 p.m.	47	40	c	0.8	0.05
Brighton	*	*	*	0.0	*	Darwen, 9 p.m.	43	37	d	0.0	0.16

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

STATIONS.	TEMPERATURE.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal) DEC. 5 th	66	52	c, o	Ins.	Algiers DEC. 5 th	61	54	r, o	0.16
Madrid	—	—	—	—	Tunis	—	—	—	—
Corsica (I. Sanguinaires)	57	46	m, m	—	Vienna	43	32	o, o	—
Rome	53	44	o, o	0.16	St. Petersburg	23	0	s, s	?
Florence	49	45	o, b	0.08	Lugano DEC. 4 th	45	—	b	Measured at 7 a.m. 4 th
Trieste	52	39	b, b	—	Davos	25	—	s	0.04
Brindisi	54	37	m, b	—	Lucerne	39	—	o	0.08
Naples	54	49	o, o	0.99	Lausanne	39	—	bc	—
Palermo	63	36	o, 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.

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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.	DEC. 6 th 1901.	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	7.49	11.44	3.39
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Greenwich	7.51	11.51	3.51
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick	8.47	12.3	3.20
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.	Valencia	8.35	12.32	4.29
Portugal	8 a.m. (Lisbon)	8.36 a.m.						

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

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

DAILY WEATHER REPORT

for 8 a.m. on Saturday 7th December 1901.

Issued by the Meteorological Office, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		BAROM.		TEMP.		WIND.	Weather.	BAROMETER.		TEMPERATURE.				WIND.		Weather.	Sea (0 to 9.)	TIME.			
		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.	Sun- shine. Hours	Rainfall. Ins.	
																					Ins.	Ins.	°	°
SCANDINAVIA.	Haparanda ...	29.68	30	S	2	S	29.56	-29	32	32	+6	S	4	b	*	32	23	*	0.32		
	Hernösand ...	29.61	35	Z	0	0	29.36	-38	33	33	+4	?	6	s	*	37	14	*	0.04		
	Stockholm ...	29.86	30	Z	0	0	29.61	-39	35	34	0	SSE	2	0	*	36	27	*	-		
	Wisby ...	29.80	36	SW	4	b	29.80	-30	37	36	+2	SSW	4	0	*	43	28	*	-		
	Karlstad ...	29.78	35	WSW	4	0	29.38	-54	39	39	+4	SW	4	+	*	*	*	0.04			
	Færder (X'ania Fjord)	29.72	40	SSW	4	0	29.34	-50	45	45	+3	WSW	6	0	4	45	39	*	-		
	Bodö ...	29.37	40	E	2	0	29.06	-41	38	33	-4	E	4	0	1	42	32	*	-		
	Christiansund ...	29.32	41	WSW	2	0	29.08	-46	43	41	+2	W	6	0	6	43	39	*	-		
	Skudesnaes ...	29.59	45	SW	8	r	29.38	-34	47	45	+5	WSW	4	bc	5	47	39	*	*		
	Sumburgh Head	29.13	48	S	5	r	29.20	-35	41	38	-2	SW	5	0	6	48	39	*	0.36		
BRITISH ISLANDS.	Stornoway ...	29.31	49	WNW	6	cq	29.45	-12	40	38	-4	W	4	bty	5	dragg	53	38	0.0	0.53	
	Malin Head	29.59	52	W	9	rd	29.67	-09	47	43	-1	W	9	oq	7	rd, qd, r	54	45	*	0.06	
	Blacksod Pt.	29.80	53	SW	7	rm	29.85	-08	49	47	-2	W	5	cmp	5	rm	54	48	*	0.08	
	Valencia...	30.06	54	SW	5	ogm	30.01	-16	53	51	+2	SW	6	omg	6	ogm	54	51	0.0	0.21	
	Roche's Point ...	30.11	52	W	5	m	30.02	-19	53	51	+6	W	3	bc	3	m	53	47	*	0.01	
	Farsonstown ...	29.95	52	SW	1	r	29.91	-19	50	47	+7	SW	3	org	3	qru	53	42	0.0	0.03	
	Donaghadee ...	29.77	52	SW	4	rd	29.72	-27	48	47	+6	SW	3	cg	3	drt	53	41	*	0.05	
	Liverpool Obsy.	29.97	51	SW	5	o	29.85	-28	52	49	+10	SW	3	o	3	p.o	55	42	*	0.03	
	Holyhead ...	29.97	51	SW	7	ogm	29.87	-25	52	51	+6	SW	4	omr	3	dp, qm	52	44	*	0.03	
	Pembroke (St. Ann's)	30.12	51	WSW	6	c	30.02	-19	53	53	+5	WSW	7	ogm	6	c	53	47	0.1	0.03	
GERMANY, &c.	Scilly (St. Mary's)...	30.26	52	WSW	5	o	30.14	-12	53	52	+4	WSW	6	m	5	o	53	47	3.4	0.07	
	Jersey (St. Aubins)...	30.35	47	NNW	2	com	30.29	+01	52	50	+6	WSW	5	ag	4	bc, m	52	45	5.4	-	
	Portland Bill ...	30.26	50	W	4	bc	30.12	-13	52	52	+8	WSW	6	op	4	bc	52	44	*	0.01	
	Dungeness ...	30.25	46	W	3	b	30.09	-12	50	50	+14	WNW	5	od	4	b	51	35	*	-	
	Wick ...	29.29	53	SW	4	o	29.36	-26	39	37	-2	W	4	bp	3	al	54	37	*	0.07	
	Nairn ...	29.33	53	WSW	5	o	29.48	-21	42	39	-2	W	1	bc	1	o	53	40	*	0.19	
	Aberdeen ...	29.44	50	SSW	6	bcq	29.52	-26	42	39	+2	SW	2	bc	2	aug, bc	53	40	0.0	0.07	
	Leith ...	29.55	50	WSW	5	b	29.60	-26	47	45	+3	WSW	3	r	*	b	55	35	*	0.06	
	North Shields ...	29.76	51	SW	3	o	29.62	-35	51	48	+9	SW	4	b	2	ou.o	56	41	*	-	
	Spurn Head ...	29.98	44	SW	6	o	29.80	-37	51	50	+14	WSW	4	o	2	o	53	36	*	-	
FRANCE.	Yarmouth ...	30.10	41	SW	4	bc	29.91	-21	51	50	+16	WSW	5	o	4	b, bc	51	34	*	0.04	
	Loughborough ...	30.08	46	SSW	4	o	29.89	-27	52	49	+15	WSW	5	oq	*	bc, oq, o	53	37	*	-	
	Oxford ...	30.16	46	SW	3	o	29.99	-25	52	51	+18	SW	3	o	*	o	52	34	*	0.01	
	London (Brixton)	30.21	45	SW	3	o	30.02	-21	53	51	+20	WSW	3	o	*	b, o	53	33	0.0	0.01	
	The Scaw (Skagen)	29.58	38	WNW	3	b	29.47	-46	47	45	+9	W	3	r	1	b	47	36	*	0.16	
	Fanö ...	29.93	44	SW	5	r	29.70	-27	46	46	+5	SW	5	o	*	r	46	39	*	0.24	
	Cuxhaven ...	30.12	34	SW	4	f	29.89	-21	39	39	+12	WSW	6	r	*	f	39	27	*	0.24	
	The Helder ...	30.12	46	SW	4	b	29.92	-20	50	48	+5	SW	5	r	4	b	50	45	*	0.04	
	Brussels ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Berlin ...	30.19	33	W	2	o	30.12	-09	32	31	+8	WSW	4	o	*	o	41	24	*	-	
SPAN. PEN.	Frankfurt ...	30.38	30	SW	4	o	30.35	+10	31	30	+2	SSW	4	o	*	o	32	29	*	-	
	Munich ...	30.29	27	SW	3	o	30.36	+14	26	24	0	W	3	o	*	o	30	25	*	-	
	C. Gris Nez ...	30.30	44	W	4	c	30.12	-08	50	48	+9	SW	5	o	5	c	50	41	*	-	
	Brest ...	30.40	50	S	2	c	30.32	-02	53	52	+10	SW	4	o	4	c	53	43	*	-	
	Lorient ...	30.42	48	N	2	bc	30.38	+08	52	48	+4	WSW	4	o	4	bc	52	45	*	-	
	Rochefort ...	30.45	38	E	1	f	30.54	+19	35	35	+2	SW	1	f	*	f	38	33	*	0.04	
	Biarritz ...	30.38	47	NE	3	o	30.49	+19	37	36	-8	ESE	3	b	5	o	50	36	*	0.04	
	Paris ...	30.39	32	SSW	2	o	30.39	+13	32	32	+4	SSW	2	o	*	o	33	25	*	-	
	Belfort ...	30.37	26	SW	3	f	30.46	+21	24	24	-1	WSW	2	f	*	f	27	23	*	-	
	Lyons ...	30.42	30	N	1	o	30.51	+20	28	26	+2	NNW	1	o	*	o	30	26	*	-	
Nice ...	30.12	44	Z	0	b	30.16	+04	42	32	+4	E	1	b	2	b	52	37	*	-		
Perpignan ...	30.23	44	NW	3	b	30.30	+09	38	34	-4	NW	4	b	*	b	52	37	*	-		
SPAN. PEN.	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
	Lisbon ...	30.30	48	N	4	b	30.33	+08	44	42	-5	NE	4	b	*	b	54	43	*	-	
SPAN. PEN.	Azores (P. Delgada)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		

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

* Observations for this column not generally received.

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

WEATHER CHARTS

FOR SATURDAY 7th DECEMBER. 1901.

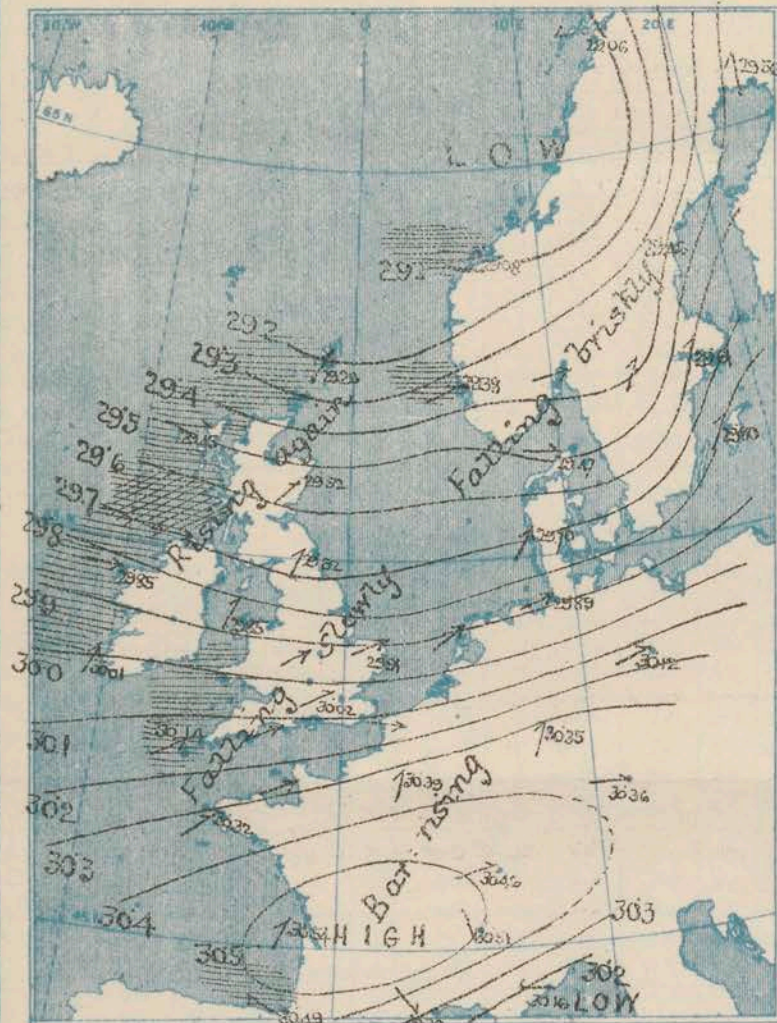
I. BAROMETER, WIND AND SEA. This Morning.

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 :

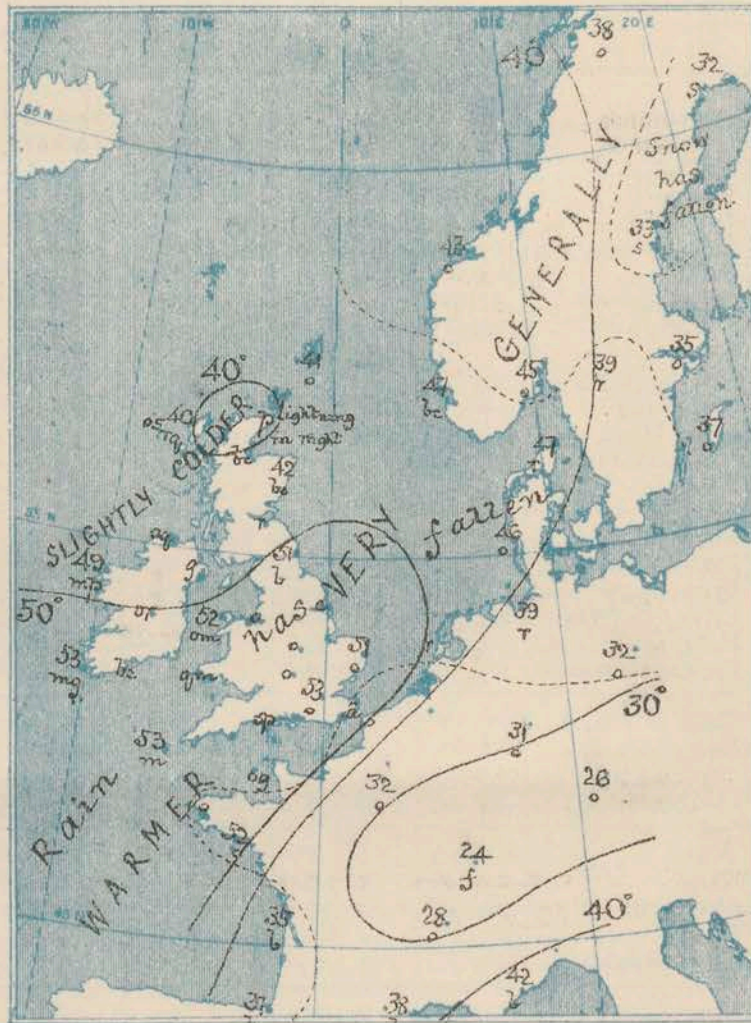


II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

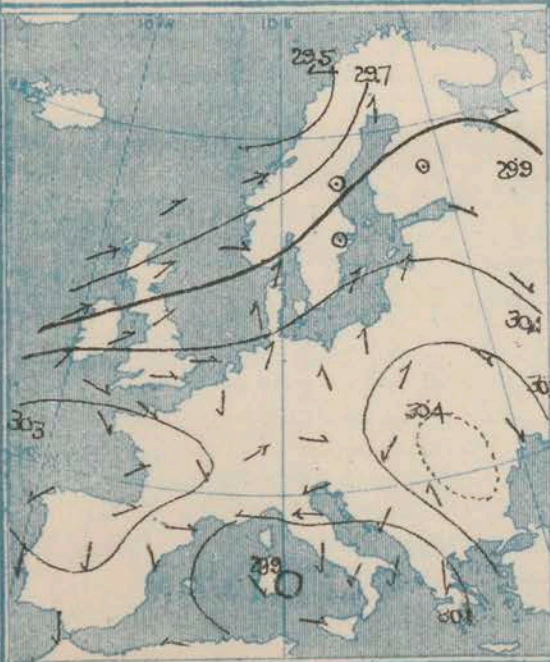
WEATHER.—Shown by Letters of the Beaufort Scale. (See P 4)

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.

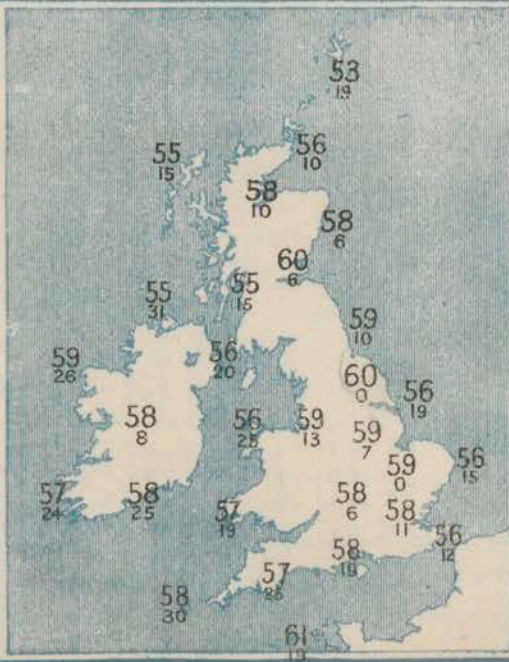


IV. EXTREMES OF TEMPERATURE

in month of DECEMBER (1871-1900)

Specimen { Highest Max. 59
(for Shields) { Lowest Min. 10

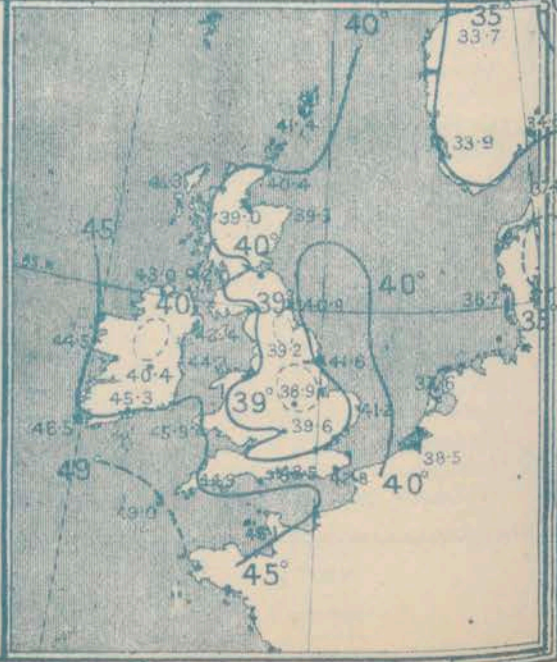
Malin Head & Blacksod. Belmullet Values are for only 15 Yrs.



V. Means of DAILY TEMPERATURE

at 8 am. for the Two monthly period

December-November (1871-1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

Barometrical pressure is now highest, 30.5 in. and upwards in a large anticyclone, the central portion of which lies over Western and Central France. The lowest readings, 29.1 in. and less, are found in a large cyclonic area having its centre off the northern parts of the Norwegian coast. This disturbance is moving eastwards and in its rear the barometer is rising again in Scotland; a slight rise is also reported in the southern parts of France and Germany, but in other parts of our area the mercury is falling.

WIND

TEMPERATURE

WEATHER

AND

SEA

Westerly or South-westerly winds prevail over western Europe generally and blow strongly on many parts of our western and southern coasts, with a strong gale at Malin Head. In Sweden the wind is moderate to strong from the southward. Temperature has risen considerably over England (as much as 20° in London) and to a less extent in most other parts of our area. Over Ireland, England, and the adjacent parts of the Continent, the thermometer is considerably above the average, the readings ranging in most places between 50° and 53°. In the north of Scotland, however, the thermometer has fallen to about its normal level for the time of year, the readings varying between 39° and 42°. Frost still prevails in Germany and central France, the lowest readings reported being 24° at Belfort. The weather is dull over western Europe, as a whole, with rain in several isolated places and with snow in the northern parts of Sweden - at some of the Scotch stations, however, the weather is temporarily fine. The sea is high at Malin Head and rough on most parts of our western and eastern northern coasts.

During yesterday the thermometer rose to 55° or slightly above it at several of our western and northern stations, the highest reading reported being 57° at Blackod Point. The amount of bright sunshine was large in the south, more than 5 hours being registered at many of the English Channel stations and as much as 6.8 hr. at Hastings; in the north there was little or none. Rain fell in most parts of Western Europe and lightning was seen at Wick.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The general appearance is now very disturbed. It is probable that fresh cyclonic systems will shortly advance from the Atlantic and occasion increasing S.W. winds and rain over the whole of the United Kingdom.

FORECASTS *

For the 24 hours ending at NOON on 8th December, 1901

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	W ^{ly} winds, moderate, to S.W. Strong; fair and cold at first, some rain later and milder.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	S.W. winds, freshening; mild, cloudy, some showers.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	W ^{ly} to S.W. winds, strong; mild, changeable, some showers.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as nos. 0 & 1.
7	ENGLAND N.W.	
8	ENGLAND S.W.	S.W. winds, increasing in force, mild, squally, some rain.
9	IRELAND NORTH	
10	IRELAND SOUTH	

WARNINGS

At 0.30 pm yesterday to districts, 0 to 2, 6, 7 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.									PART 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	*	bm	49	35	4.8	—	
Newton Reigny (Penrith)	29.81	50	SW8	0	29.72	—28	49	47	+6	WSW7	+	*	ang, 0	52	42	0.0	0.24	
Bath	30.18	47	W2	0	30.03	—21	52	52	+19	SW2	+	*	0	53	33	2.1	0.07	

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, 6 p.m.	49	46	c, o	0.3	0.03	Worthing	*	*	*	5.9	*
Birmingham, 9 p.m.	48	35	o	1.4	—	Llandudno	*	*	*	0.1	*
Lowestoft, 6 p.m.	44	33	b	5.2	0.06	Rhyl	*	*	*	1.1	*
Hastings	*	*	*	6.8	*	Southport, 9 p.m.	52	44	o	0.0	—
Eastbourne	*	*	*	6.5	*	Manchester, 9 p.m.	53	37	o, u, r	0.8	—
Brighton	*	*	*	5.0	*	Darwen, 9 p.m.	49	37	u	0.3	0.03

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

STATIONS.	TEMPERATURE.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal) DEC. 6 th	64	52	c, r	Ins. ?	Algiers ... DEC. 6 th	61	50	c, r	0.16
Madrid	48	30	b, o	—	Tunis	63	43	b, c	—
Corsica (I. Sanguinaires)	57	46	m, m	—	Vienna	36	23	c, c	—
Rome	62	41	o, c	—	St. Petersburg	?	27	s, s	—
Florence	49	39	b, b	—	Lugano	43	—	b	Measured 7 a.m. 5 th
Trieste	43	36	b, b	—	Davos	27	—	b	—
Brindisi	56	52	r, o	0.87	Lucerne	36	—	o	—
Naples	52	47	o, o	0.16	Lausanne	37	—	b	—
Palermo	61	44	o, 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.

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.	DEC. 7 th 1901.			
						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	7.51	11.45	3.39
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Greenwich	7.53	11.52	3.51
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick	8.49	12.4	3.19
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.	Valencia	8.37	12.33	4.29
Portugal	8 a.m. (Lisbon)	8.36 a.m.						

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

DAILY WEATHER REPORT

for 8 a.m. on Sunday 8th December 1901.

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 3 rd and M.S.L.	Dry Bulb.	Dirac.	Force (0 to 12.)		At 3 rd 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 ...	29.33	28	S	4	3	29.16	-4.0	26	25	-6	SE	2	S	*	S	34	25	*	0.16	
	Härnösand ...	29.50	34	Z	0	6	29.18	-1.8	32	32	-1	Z	0	6	*	6	37	21	*	0.55	
	Stockholm ...	29.27	37	Z	0	7	29.33	-2.8	32	31	-3	W	2	6	*	7	39	24	*	0.08	
	Wisby ...	29.36	41	SW	6	7	29.41	-3.9	39	36	+2	NW	5	6	*	7	43	32	*	0.35	
	Karlstad ...	29.28	39	Z	0	6	29.40	+0.2	32	30	-7	SW	2	6	*	6	*	*	*	-	
	Færder (N'ania Fjord) ...	29.35	43	WSW	4	6	29.36	+0.2	40	37	-5	SW	4	6	3	6	45	37	*	-	
	Bodö ...	28.98	40	ESE	2	0	28.95	-1.1	35	33	-3	E	2	6	1	0	40	32	*	-	
	Christiansund ...	29.13	40	W	5	7	28.98	-1.0	38	35	-5	S	5	6	7	43	36	*	0.24		
	Skudesnaes ...	29.49	39	NW	8	0	29.15	-2.3	44	41	-3	S	10	7	6	0	47	39	*	-	
	Sumburgh Head ...	29.33	42	W	6	6	28.89	-3.1	37	37	-4	W	4	7	6	typ. bc	44	35	*	0.80	
BRITISH ISLANDS.	Stornoway ...	29.44	41	WSW	4	7	29.08	-3.7	38	36	-2	WNW	3	7	3	typ. b, br	44	36	2.3	0.18	
	Malin Head ...	29.65	45	SW	6	cg	29.42	-2.5	42	41	-5	NW	7	0	6	cg, tg	50	41	*	0.43	
	Blackod Pt. ...	29.69	52	SSW	6	ogm	29.50	-3.5	46	42	-3	W	6	bc, q, p	5	bc, q, m, p	52	45	*	0.51	
	Valencia ...	29.85	54	SSW	4	0	29.70	-3.1	51	47	-2	W	5	og	6	rm, o	55	49	0.0	0.37	
	Roche's Point ...	29.92	52	WSW	4	7	29.64	-3.5	50	49	-3	WNW	4	0	4	c, r	54	49	*	0.20	
	Parsonstown ...	29.83	49	S	1	0	29.57	-3.4	45	43	-5	WSW	1	c	*	gt	55	45	0.2	0.42	
	Donaghadee ...	29.80	45	WSW	3	0	29.36	-3.6	45	43	-3	W	5	bc	4	o, q, p	48	43	*	0.36	
	Liverpool Obsy. ...	29.89	47	WSW	4	bc	29.43	-4.2	48	47	-4	WSW	6	7	5	p, bc	54	47	*	0.52	
	Holyhead ...	29.91	51	W	2	ogm	29.49	-3.8	49	48	-3	W	7	og, p	6	om, ogm	52	48	*	0.53	
	Pembroke (St. Ann's) ...	29.92	52	SW	4	7	29.61	-4.1	51	50	-2	WSW	9	og, q, p	7	7	54	49	0.0	0.54	
GERMANY, &c.	Scilly (St. Mary's) ...	30.13	53	WSW	5	m	29.78	-3.6	53	52	0	SW	8	m	5	m	55	50	0.0	0.05	
	Jersey (St. Aubins) ...	30.24	54	WSW	7	om	30.00	-2.9	54	51	+2	SW	6	omu	5	og, om	54	51	0.0	0.06	
	Portland Bill ...	30.10	52	W	5	od	29.76	-3.6	53	52	+1	WSW	7	rmq	6	c, od	53	52	*	0.04	
	Dungeness ...	30.06	51	WSW	5	opd	29.71	-3.8	52	51	+2	WSW	8	0	7	opd, r	52	50	*	0.13	
	Wick ...	29.44	37	W	2	c	29.02	-3.4	37	36	-2	WSW	2	c	1	cl	45	35	*	0.04	
	Nairn ...	29.52	40	W	2	bc	29.13	-3.5	39	37	-3	W	4	0	2	bc	43	36	*	0.09	
	Aberdeen ...	29.61	37	SW	2	6	29.14	-3.8	38	36	-4	SW	3	6	1	bc, b, q	45	37	4.9	-	
	Leith ...	29.69	40	WSW	2	6	29.22	-3.8	43	41	-4	WSW	3	7	*	6	47	40	*	0.17	
	North Shields ...	29.76	46	WSW	2	c	29.27	-3.5	45	44	-6	WSW	2	6	2	r, c	51	42	*	0.29	
	Spurn Head ...	29.84	48	W	4	c	29.34	-4.6	50	49	-1	WNW	7	7	4	c	54	45	*	0.25	
FRANCE.	Yarmouth ...	29.91	51	W	4	0	29.48	-4.3	54	53	+3	WSW	7	og, q, d	4	c, o	54	46	*	0.23	
	Loughborough ...	29.92	49	SSW	4	6	29.47	-4.2	54	52	+2	SW	6	og, p	*	cl, op, q, b	55	49	*	0.22	
	Oxford ...	30.00	51	WSW	3	c	29.60	-3.9	53	52	+1	SW	6	7	*	c	55	50	*	0.20	
	London (Brixton) ...	30.08	53	WSW	4	bc	29.63	-3.9	54	52	+1	WSW	7	og, q	*	bd, bc, r	55	52	0.0	0.06	
	The Scaw (Skagen) ...	29.46	43	WNW	5	bc	29.43	-0.4	39	39	-8	SSW	2	bc	0	bc	47	37	*	0.08	
	Fanö ...	29.70	43	W	3	6	29.43	-2.7	42	40	-4	SE	4	7	*	6	46	41	*	0.20	
	Cuxhaven ...	29.80	46	WSW	5	6	29.51	-3.8	45	44	+6	S	4	m	*	6	46	39	*	0.51	
	The Helder ...	29.87	50	W	5	0	29.48	-4.4	51	51	+1	SW	8	0	6	0	52	46	*	0.32	
	Brussels ...	29.89	38	WSW	3	7	29.80	-3.2	38	37	+6	SW	4	7	*	7	43	32	*	0.32	
	Berlin ...	30.13	35	SW	4	7	30.04	-3.1	40	39	+9	SW	4	7	*	7	40	31	*	0.08	
SPAN. PEN.	Munich ...	30.30	30	W	4	c	30.18	-1.8	41	39	+15	SW	4	0	*	c	41	26	*	0.04	
	C. Gris Nez ...	30.04	50	WSW	6	0	29.76	-3.6	50	49	0	SW	7	7	7	0	?	43	*	0.32	
	Brest ...	30.31	54	WSW	4	0	30.08	-2.4	50	50	-3	W	5	0	5	0	54	50	*	0.12	
	Lorient ...	30.34	53	W	6	f	30.15	-2.3	53	53	+1	WSW	6	0	5	f	55	46	*	-	
	Rochefort ...	30.50	46	S	2	0	30.33	-2.1	50	46	+15	NW	4	0	*	0	?	?	*	-	
	Biarritz ...	30.53	42	Z	0	6	30.45	-0.4	35	33	-2	ESE	2	6	5	6	48	32	*	-	
	Paris ...	30.30	43	SW	3	0	30.14	-2.5	48	46	+16	SW	4	0	*	0	?	?	*	0.04	
	Belfort ...	30.45	28	WSW	3	f	30.27	-1.9	36	36	+12	W	4	7	*	f	?	23	*	0.08	
	Lyons ...	30.54	32	ESE	1	0	30.43	-0.8	31	31	+3	E	1	f	*	0	33	28	*	-	
	Nice ...	30.19	46	E	1	6	30.23	+0.7	44	35	+2	Z	0	6	2	6	57	41	*	-	
SPAN. PEN.	Perpignan ...	30.36	42	E	2	6	30.30	0.0	43	34	+5	NW	1	6	*	6	49	38	*	-	
	Corunna ...	30.37	49	NNE	5	6	30.43	+1.0	46	40	+2	NNE	5	6	*	6	55	44	*	-	
Azores (P. Delgada) ...	30.60	60	N	2	0	30.58	-0.2	57	53	+2	N	2	0	1	0	64	55	*	-		

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

* Observations for this column not generally received.

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

WEATHER CHARTS

FOR Sunday, 8th December, 1901.

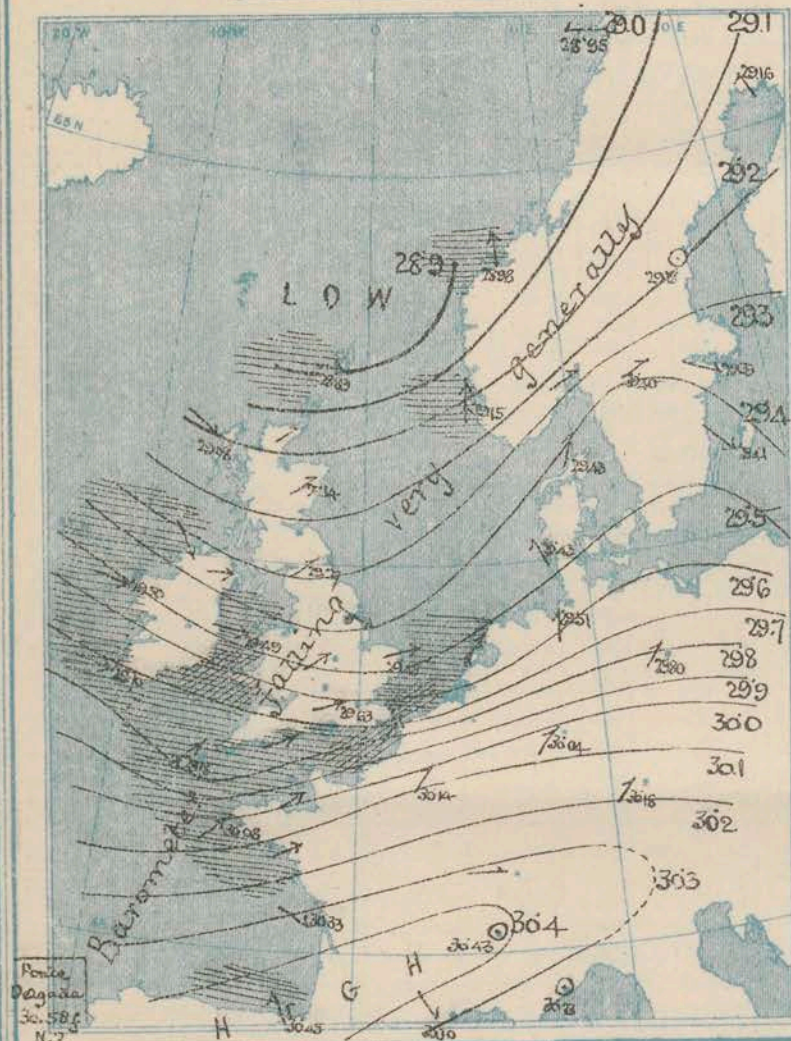
I. BAROMETER, WIND AND SEA. This Morning.

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 :

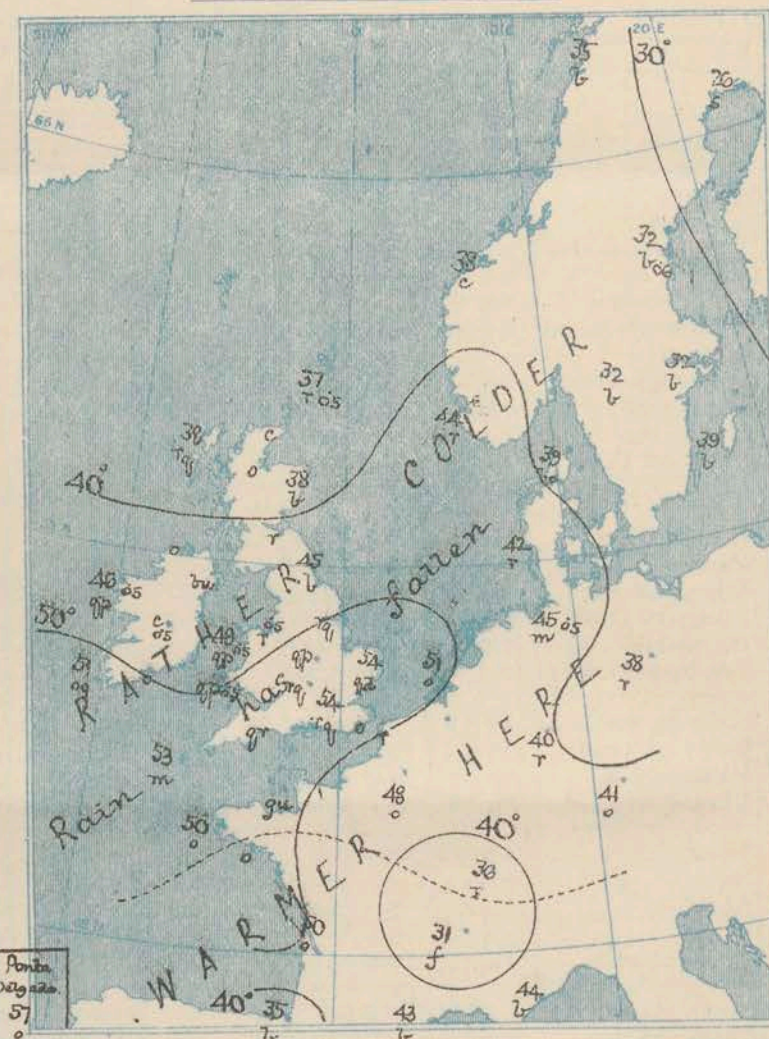


II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

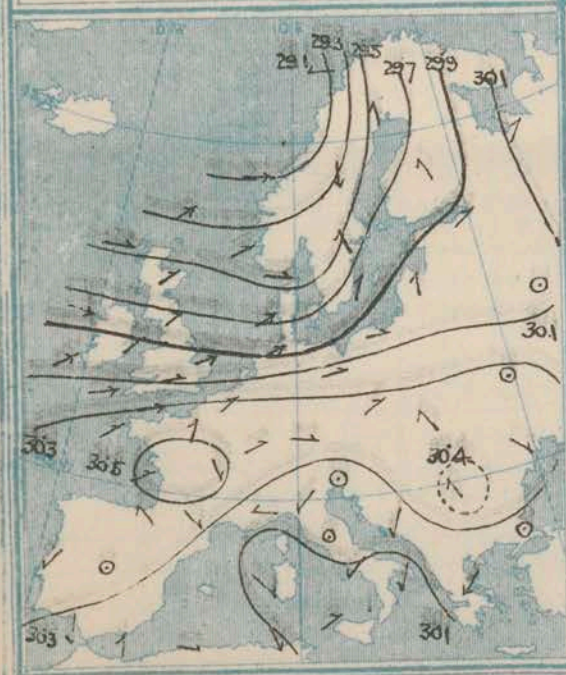
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4)

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

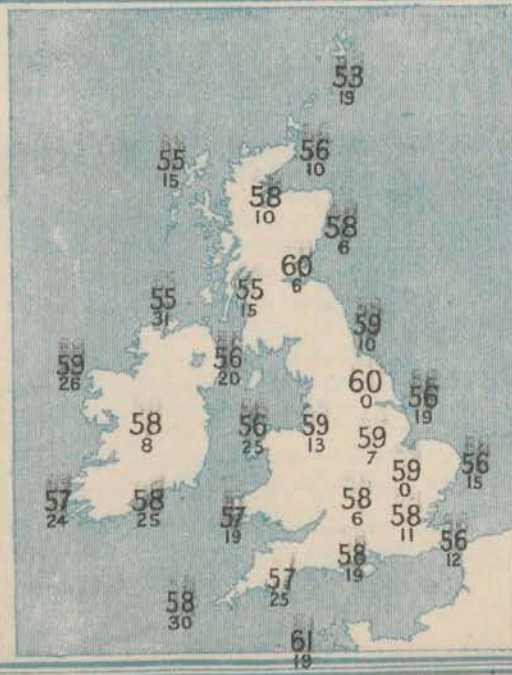
Yesterday morning.



IV. EXTREMES OF TEMPERATURE

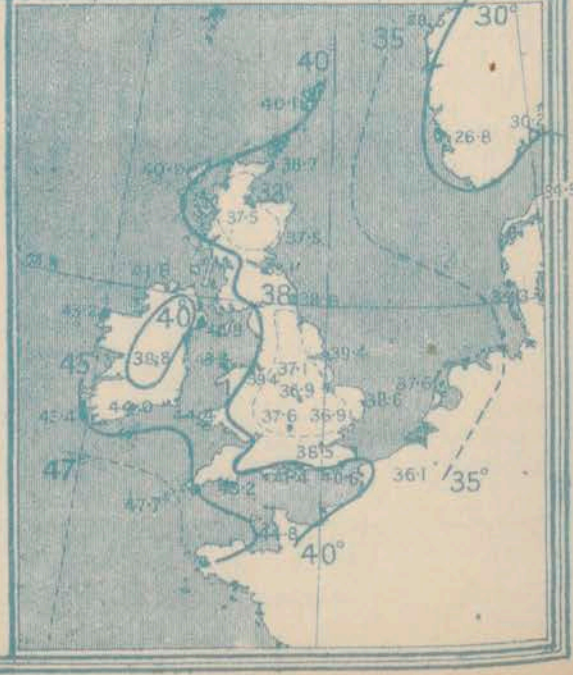
in month of DECEMBER (1871-1900)

Specimen { Highest Max. 59
(for Shields) { Lowest Min. 10
Malin Head & Blacksod. Belmullet Values are for only 15 Yrs.



V. Means of DAILY TEMPERATURE

at 8 a.m. for the monthly period
December (1871-1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

A large cyclonic system now covers nearly the whole of northwestern Europe, its centre with readings below 28.9 ins. being situated a little to the northward of the Shetlands. The highest pressures are 30.4 ins. and upwards, which are found over the Spanish Peninsula and the southwest of France, but the barometer is falling in nearly all parts of our area; on our extreme western coasts, however, the mercury is inclined to rise again.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind is W⁴ or SW⁴ over western Europe generally and is strong to a gale in force over England and the neighbouring parts of the continent. On the eastern shores of the North Sea it draws into south with a gale at Skudenes, but in the northern parts of Sweden it is calm or slight from the southeast. Temperature has fallen in the west and north of our islands and also in Scandinavia and Denmark but has risen elsewhere. Over the southern parts of the United Kingdom, the Netherlands and the north of France the readings are still very high for the time of the year, the highest reported being 54° in London and at Bath and Jersey. In the north of Scotland, however, the thermometer is below 40° and is a trifle below the average for the time of the year. Slight frost prevails in Sweden and also in some parts of central France. The weather is cloudy or dull generally with rain in many parts of Great Britain and Germany, as well as at Fano and Skudenes; at Haparanda snow is falling. On our northeastern coasts, however, and also in Sweden and in the south of France the weather is fine. The sea is high at Pembroke and Dungeness and rough or rather so on our western, southern, and extreme northern coasts generally.

During yesterday the thermometer rose to between 50° and 55° in most parts of England and Ireland and to 56° in London; the minima in the night were as high as 52° in London and at Portland Bill and 51° at Jersey. Over the greater part of the Kingdom there was an entire absence of bright sunshine but at Aberdeen there was as much as 4 hours. Rain fell over northwestern Europe generally, and lightning was seen at night in the north of Scotland.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS *

For the 24 hours ending at NOON on 9th December 1901

DISTRICTS.

FORECASTS.

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

NONE ISSUED.

DISTRICTS.

FORECASTS.

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

NONE ISSUED

WARNINGS

At 7.15 pm yesterday to districts 3, 5, 8, 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 8 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										0		0	52 46	0.0	0.20
Newton Reigny (Penrith)															
Bath	30.04	56	W. 6	0	29.63 - 40	54	52	+2	W. 5	r		0	56 51	0.0	0.61

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, 6 p.m.	52	44	c	1.7	0.13	Worthing				0.0	
Birmingham, 9 p.m.	54	47	o, c	0.0	-	Llandudno					
Lowestoft, 6 p.m.						Rhyl					
Hastings						Southport, 9 p.m.	52	47	o, p, r	0.0	0.21
Eastbourne						Manchester, 9 p.m.	53	36	o, r	0.0	0.35
Brighton						Darwen, 9 p.m.	51	43	o, r	0.0	0.55

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

STATIONS.	TEMPERATURE.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal) DEC. 7	63	50	c, o	—	Algiers ... DEC. 7	63	50	c, b	—
Madrid	48	28	b, b	—	Tunis	54	45	c, r	0.16
Corsica (I. Sanguinaires)	59	43	m, m	—	Vienna	36	25	b, b	—
Rome	54	34	b, b	—	St. Petersburg	34	18	s, o	?
Florence	49	28	c, b	—	Lugano ... DEC. 6	39	—	b	Measured 7 A.M. 6
Trieste	46	36	b, b	—	Davos	32	—	b	—
Brindisi	55	44	o, o	0.08	Lucerne	30	—	b	—
Naples	52	44	o, b	0.16	Lausanne	30	—	m	—
Palermo	62	43	c, 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.

DEC. 8 th 1901.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	7.52	11.45	3.38
Greenwich	7.54	11.52	3.50
Wick	8.50	12.4	3.18
Valencia	8.38	12.33	4.28

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

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

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

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

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

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

DAILY WEATHER REPORT

for 8 a.m. on Monday 9th December 1901.

Issued by the Meteorological Office, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather.	Barometer.		Temperature.			Wind.		Sea (0 to 9.)	Weather.	Temp.		Sun- shine. Hours	Rainfall. Ins.		
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fabr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)			Max.	Min.				
																				Ins.	Ins.
SCANDINAVIA.	Haparanda ...	29.21	27	E	2	S	29.28	+1.2	17	17	-9	E	2	0	*	S	28	27	*	0.08	
	Hernösand ...	29.11	15	Z	0	b	29.26	+0.8	25	24	+7	Z	0	f	*	b	34	14	*	-	
	Stockholm ...	29.14	29	Z	0	0	29.36	+0.3	34	33	+2	E	2	s	*	0	39	27	*	-	
	Wisby ...	29.04	37	SW	4	+	29.31	+1.0	36	35	-3	N	4	+	*	+	45	30	*	0.08	
	Karlstad ...	29.02	33	SW	2	S	28.90	-5.0	33	33	+1	SE	4	S	*	S	*	*	*	0.20	
	Færder (X'ania Fjord)	28.98	39	S	5	+	28.91	-4.5	35	33	-5	W	2	b	3	+	41	34	*	0.39	
	Bodö ...	28.92	35	E	4	0	29.00	+0.5	33	31	-2	E	4	b	1	0	36	28	*	-	
	Christiansund ...	28.76	39	SSW	2	b	28.84	-1.4	35	32	-3	E	3	b	4	b	39	34	*	-	
	Skudesnaes ...	29.00	41	W	4	b	28.87	-2.8	37	36	-7	S	4	0	5	b	45	36	*	*	
	Sumburgh Head ...	29.85	38	W	4	c	28.64	-2.2	36	32	-1	W	1	c	6	c	40	32	*	0.30	
BRITISH ISLANDS.	Stornoway ...	28.96	35	WNW	5	b	28.94	-1.4	34	32	-4	NW	8	shq	8	hr, cqb	39	30	0.5	0.24	
	Malin Head ...	29.17	40	WNW	9	chq	29.20	-2.2	44	33	+2	WNW	9	shs.	7	chq, q	44	33	*	0.48	
	Blackod Pt. ...	29.43	44	WNW	8	cqpm	29.48	-0.2	37	36	-9	WNW	8	cqhp	6	c, qpm	46	26	*	0.15	
	Valencia ...	29.68	48	SW	8	0 u	29.71	+0.1	46	43	-5	WSW	8	ofo	7	cqpm	51	43	1.2	0.14	
	Roche's Point ...	29.67	47	W	4	b	29.71	+0.4	44	42	-6	W	4	0	4	b, c	50	42	*	0.02	
	Parsonstown ...	29.53	41	SW	4	+	29.52	-0.5	40	37	-5	W	4	cq	*	toq	46	36	2.3	0.34	
	Donaghadee ...	29.35	36	WNW	4	cru	29.19	-1.7	34	33	-11	WNW	4	sq	3	c, u, q	45	32	*	0.54	
	Liverpool Obsy. ...	29.43	44	WSW	7	+	29.38	-0.5	42	38	-6	WSW	8	c	6	+	49	38	*	0.10	
	Holyhead ...	29.47	44	WSW	8	c, hpq	29.45	-0.4	40	38	-9	W	8	cq	7	c, hpq, c	49	38	*	0.05	
	Pembroke (St. Ann's)	29.61	49	W	7	c	29.61	0.0	47	43	-4	W	8	cq	7	c	52	42	0.0	0.05	
GERMANY, &c.	Scilly (St. Mary's) ...	29.80	51	W	5	0	29.80	+0.2	51	49	-2	WNW	8	cq	5	0	54	49	0.0	0.10	
	Jersey (St. Aubins) ...	29.83	54	SW	8	+om	29.88	-1.5	52	48	-2	W	7	omqr	6	+, omr	55	49	0.0	0.31	
	Portland Bill ...	29.72	51	WNW	7	cq	29.68	-0.8	47	46	-6	WNW	8	oqp	6	o, q	53	45	*	0.28	
	Dungeness ...	29.64	50	W	6	0	29.65	-0.6	46	43	-6	W	6	0	5	+, 0	52	43	*	0.27	
	Wick ...	28.94	34	WSW	3	c	28.86	-1.6	30	30	-7	WSW	2	0	1	c, ls	38	28	*	0.10	
	Nairn ...	28.99	35	W	3	s	28.96	-1.7	32	31	-7	W	2	ots.	2	ots.	39	29	*	0.29	
	Aberdeen ...	29.08	36	SW	4	b, q	28.97	-1.7	32	30	-6	WSW	3	cs	2	b, q	43	31	4.9	0.02	
	Leith ...	29.19	38	WSW	3	0	29.09	-1.3	34	32	-9	SW	4	s	*	ot, q	44	31	*	0.24	
	North Shields ...	29.29	42	SW	4	b	29.16	-1.1	36	35	-9	W	4	cp	2	b, q	46	35	*	0.03	
	Spurn Head ...	29.42	43	W	5	b	29.32	-0.2	38	37	-12	WSW	6	c	5	b, q, r	50	36	*	0.25	
FRANCE.	Yarmouth ...	29.50	47	W	4	b	29.44	-0.4	39	38	-15	W	5	b	4	c, b	54	38	*	0.07	
	Loughborough ...	29.53	44	SW	5	b	29.47	0.0	39	36	-15	WSW	5	cq	*	b, q, b	54	37	*	0.24	
	Oxford ...	29.62	44	W	3	b	29.59	-0.1	42	38	-11	SW	3	0	*	+, b	54	40	*	0.02	
	London (Brixton) ...	29.63	54	WSW	7	otq	29.58	-0.5	43	40	-11	W	3	0	*	otq	55	39	0.0	0.13	
	The Scaw (Skagen) ...	29.02	36	SE	3	+	28.96	-1.4	36	33	-3	SW	3	0	1	+	43	34	*	0.28	
	Fanö ...	29.21	43	W	6	b	29.08	-3.5	42	38	0	W	9	c	*	b, h	48	39	*	0.35	
	Cuxhaven ...	29.34	46	W	5	b	29.25	-2.6	40	39	-5	W	5	0	*	b	48	37	*	0.41	
	The Helder ...	29.49	48	W	5	b	29.41	-0.7	44	40	-7	W	7	c	7	b	52	44	*	0.12	
	Brussels ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Berlin ...	29.39	47	SW	4	+	29.36	-1.4	42	40	+4	W	5	c	*	+	47	38	*	0.35	
SPAN. PEN.	Frankfurt ...	29.72	45	SW	6	+	29.63	-1.1	43	41	+3	W	4	0	*	+	46	40	*	0.47	
	Munich ...	29.92	41	W	7	c	29.78	-1.4	43	42	+2	W	7	+	*	c	46	39	*	0.39	
	C. Gris Nez ...	29.93	51	WSW	6	f	29.97	-1.1	53	50	+3	W	5	c	7	f	54	50	*	0.12	
	Brest ...	30.00	51	W	7	+	30.00	-1.5	52	51	-1	WNW	6	0	5	+	55	50	*	0.12	
	Lorient ...	30.28	50	SW	6	b	30.24	-0.9	54	52	+4	SW	7	f	*	b	?	?	*	0.04	
	Rochefort ...	30.39	49	WSW	3	b	30.37	-0.8	52	48	+17	SW	5	0	5	b	52	35	*	-	
	Biarritz ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Paris ...	29.91	50	SW	5	0	29.86	-2.8	48	45	0	WSW	3	0	*	0	51	46	*	0.32	
	Belfort ...	30.09	40	SW	8	0	29.85	-1.2	45	44	-9	SW	8	+	*	0	?	36	*	0.47	
	Lyons† ...	30.33	36	E	1	f	30.17	-2.6	42	39	+11	S	2	0	*	f	48	33	*	-	
SPAN. PEN.	Nice ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Perpignan ...	30.27	41	Z	0	b	30.28	-0.2	50	44	+7	NW	3	b	*	b	59	38	*	-	
SPAN. PEN.	Corunna ...	30.43	52	N	3	b	30.46	+0.3	48	43	+2	N	3	b	*	b	57	45	*	-	
	Lisbon† ...	30.54	57	NE	3	c	30.49	-0.9	59	52	+2	ENE	3	0	1	c	63	57	*	-	
SPAN. PEN.	Azores (P. Delgada)†	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	

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

* Observations for this column not generally received.

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

WEATHER CHARTS

FOR *Monday, 9th December, 1901.*

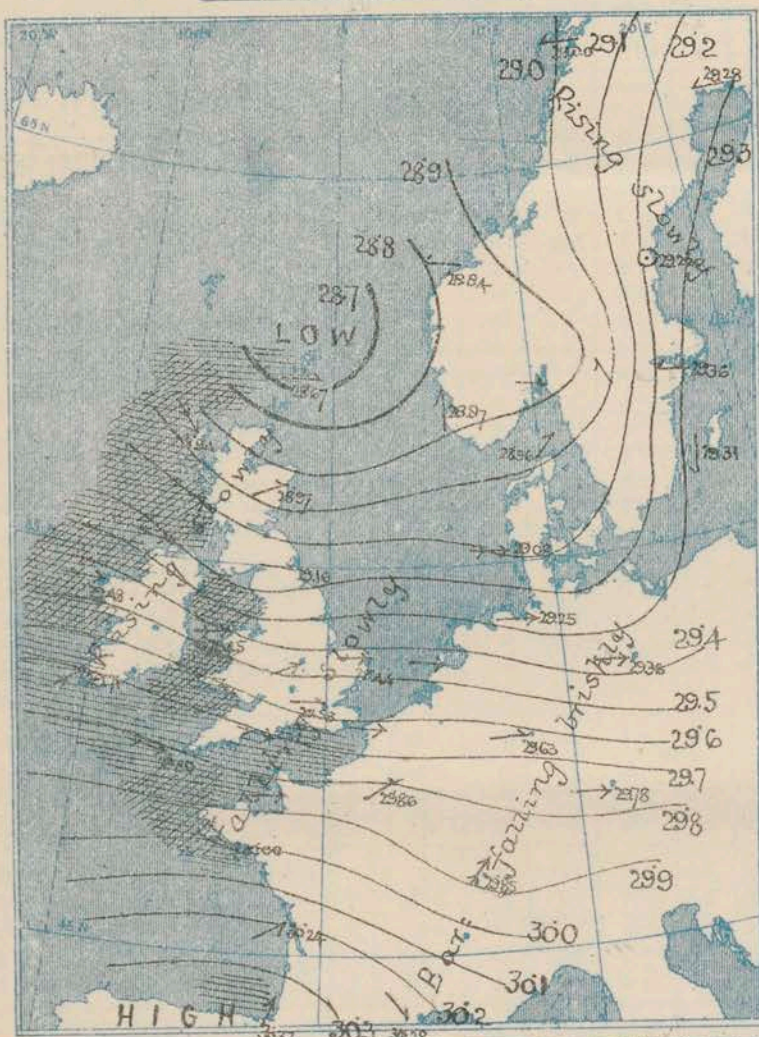
I. BAROMETER, WIND AND SEA. This Morning.

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 ■

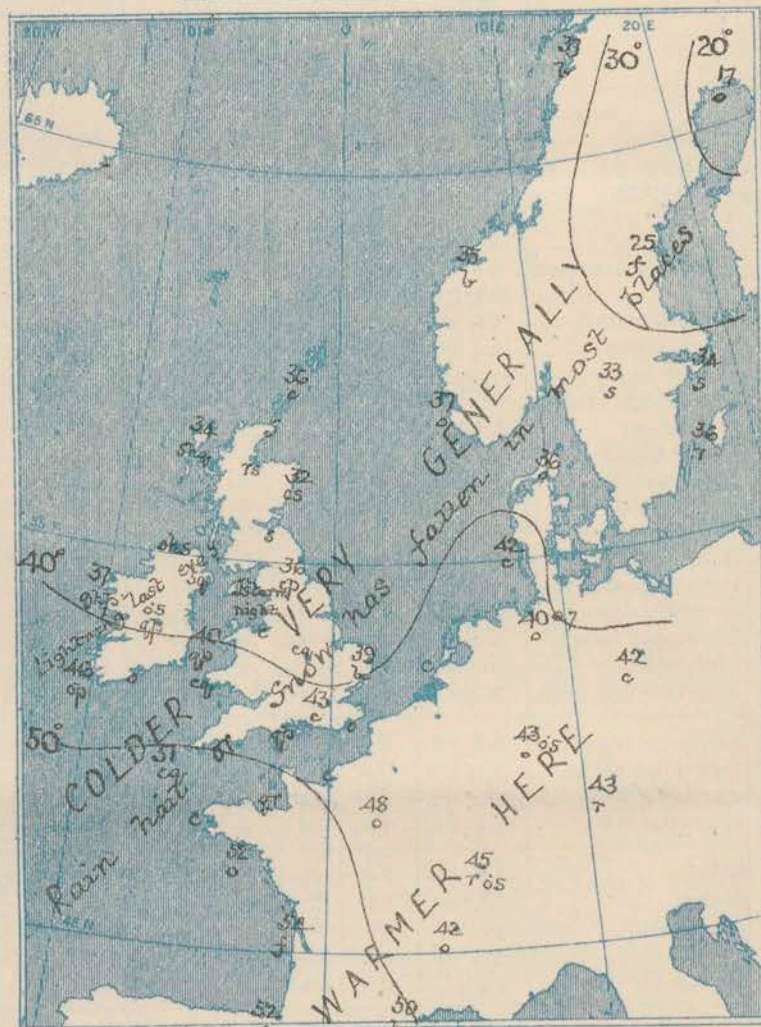


II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

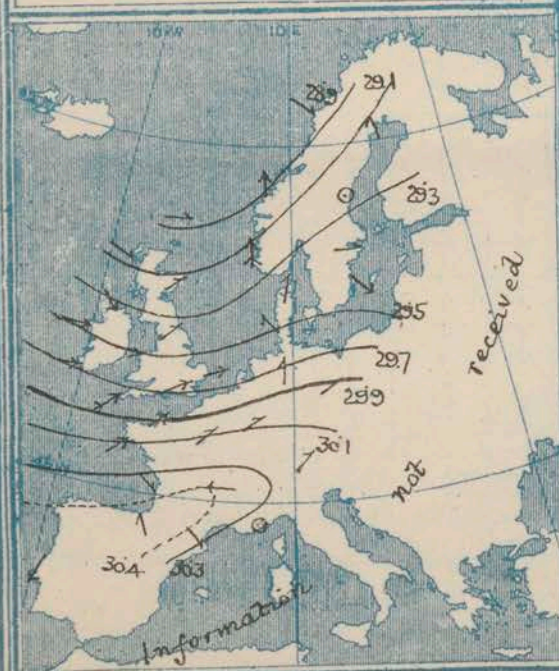
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

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—0.5



III. BAROMETER AND WIND

Yesterday morning.

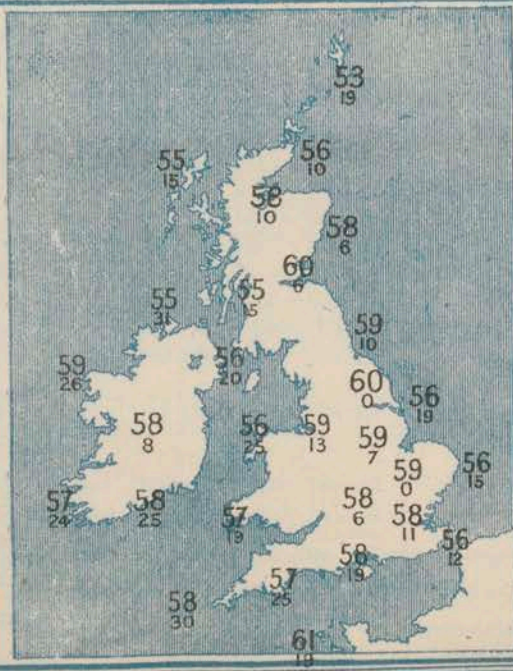


IV. EXTREMES OF TEMPERATURE

in month of DECEMBER (1871-1900)

Specimen { Highest Max. 59
(for Shields) { Lowest Min. 10

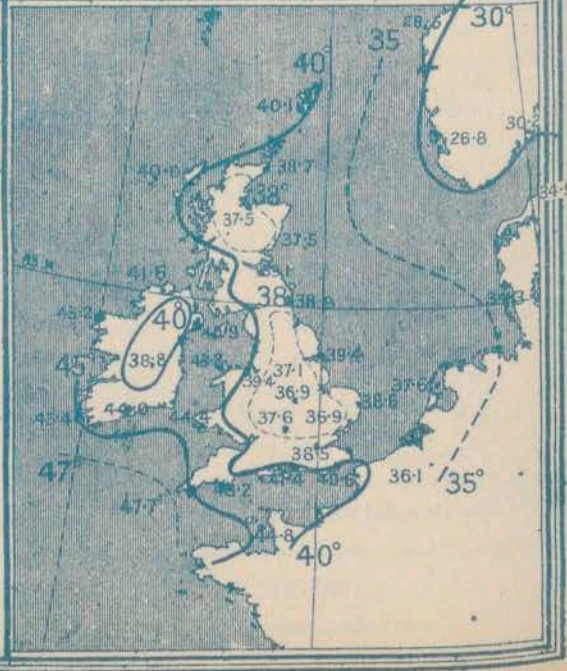
Matin Head & Blacksod. Belmullet Values are for only 15 Yrs



V. Means of DAILY TEMPERATURE

at 8 a.m. for the monthly period

December (1871-1900.)



GENERAL SITUATION AT 8 A.M.

PRESSURE

WIND

TEMPERATURE

WEATHER

AND

SEA

The centre of a large and deep cyclonic system is shifting our extreme northern coasts, the lowest barometer readings, 28.7 ins. and less being at present reported in the Shetlands. These are also indications of the presence of small secondary disturbances off the west and south-west of Scotland and the barometer is now falling at all but our extreme western stations, where a slight rise is in progress. The highest readings 30.3 and upwards, are found in the south-west of France and the barometric gradient is steep over western Europe generally.

Westerly winds are now general over nearly the whole of western Europe and blow with the force of a gale on all our own western and southern coasts as well as at some of the Continental stations; on our extreme north-west coasts, however, the wind has veered to the N.W. &c. Over the greater part of Scandinavia the wind is light to moderate from the E. Temperature has fallen at all but the French and German stations and is now below the average over all the more northern and central parts of the United Kingdom, where the readings are mostly below 40° . Frost prevails in the north of Scotland. In the south of our islands the readings are still above the normal, the highest reported being 52° at Jersey and 51° at Scilly; readings above 50° are also reported in the west of France. The weather is fair over eastern and central England, but is dull elsewhere, with showers on our western and southern coasts and with snow over nearly the whole of Scotland. Snow and rain are also reported in the south of Sweden. The sea is high in the west and rough on all but our east coasts.

During yesterday the thermometer rose to 50° and upwards at most of the English and Irish stations and to 55° in London and at Jersey; in the north of Scotland it did not reach 40° . Over the south parts of the United Kingdom there was a complete absence of bright sunshine, but at some of our northern stations there was a fairly large amount - as much as 4.9 hrs. at Aberdeen. Rain or hail fell over western Europe generally - heavily in places. Thunder and lightning occurred at several of our north-western stations and lightning only at Donaghadee and Valencia.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The small secondary disturbances which are apparently lying off the west of Scotland are likely to move eastwards or perhaps a little to the southward of east. Squally, showery weather is probable over the entire Kingdom, with snow or sleet in many places.

FORECASTS*

For the 24 hours ending at NOON on 10TH December, 1901

DISTRICTS.		FORECASTS.	DISTRICTS.		FORECASTS.
0	{ SCOTLAND NORTH	{ NW ^{ly} winds, strong to a gale; Squally. with snow showers.	6	{ SCOTLAND WEST	{ W ^{ly} to NW ^{ly} gales, and strong winds, Squally, with hail or snow showers.
1	{ SCOTLAND EAST		7	{ ENGLAND NW.	
2	{ ENGLAND N.E.	8	{ ENGLAND S.W.		
3	{ ENGLAND EAST	9	{ IRELAND NORTH		
4	{ MIDLAND COUNTIES	10	{ IRELAND SOUTH		
5	{ ENGLAND SOUTH				
			WARNINGS		At 7pm. yesterday to districts 0 to 2, 6, 7 & 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 (\Uparrow), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

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

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.				THIS MORNING 8 A.M.							PAST 24 HOURS.					
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.		
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	6	*	0	48	41	0.0	0.09
Newton Reigny (Penrith)	29.32	41	W 6	+	29.22		34	33		W 8	0	*	ep, ot, ht	44	34	1.5	0.37
Bath	29.41	48	W 4	0	29.61	- 0.2	45	42	- 9	W 3	0	*	0	55	42	0.0	0.20

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, 6 p.m.	48	38	c	3.9	0.62	Worthing	*	*	*	0.0	*
Birmingham, 9 p.m.	53	41	c	0.5	0.33	Llandudno	*	*	*	1.2	*
Lowestoft, 6 p.m.				0.0		Rhyl	*	*	*	0.5	*
Hastings	*	*	*	0.0	*	Southport, 9 p.m.				1.5	
Eastbourne	*	*	*	0.0	*	Manchester, 9 p.m.	?	40	6, r, w	0.5	0.86
Brighton	*	*	*	0.0	*	Darwen, 9 p.m.	53	39	o, u, l	0.0	1.12

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

STATIONS.	TEMPERATURE.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal) DEC. 8 th				Ins.	Algiers ... DEC. 8 th				Ins.
Madrid					Tunis			Information	
Corsica (I. Sanguinaires)					Vienna			not arrived.	
Rome			Information		St. Petersburg				
Florence					Lugano ... DEC. 7 th	41	—	b	Measured 7 a.m. 1 st
Trieste			not		Davos	32	—	b	—
Brindisi					Lucerne	30	—	m	—
Naples			arrived.		Lausanne	30	—	m	—
Palermo									

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.

DEC. 9 th 1901.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	7.53	11.45	3.38
Greenwich	7.55	11.52	3.50
Wick	8.52	12.4	3.17
Valencia	8.39	12.33	4.28

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

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

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

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

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

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

DAILY WEATHER REPORT

for 8 a.m. on Tuesday 10th December 1901.

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.				
		At 32° and M.S.L.	Dry Bulb	Dirac.	Force (0 to 13.)		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.	Sun- shine. Hours	Rainfall. Ins.
SCANDINAVIA.	Haparanda ...	29.32	21	NE	4	5	29.36	+0.8	12	11	-5	NE	2	0	*	5	27	9	*	0.07	
	Hernösand ...	29.10	27	N	4	0	29.15	+1.5	18	17	-7	N	4	0	*	0	32	12	*	0.04	
	Stockholm ...	29.02	29	Z	0	0	29.01	+0.5	28	27	-6	N	2	0	*	0	34	27	*	0.04	
	Wisby ...	28.92	34	NW	4	6	28.95	+0.4	23	32	-3	NW	4	0	*	6	39	28	*	0.04	
	Karlstad ...	29.00	31	ENE	2	0	29.12	+2.2	29	28	-4	NNE	2	5	*	0	*	*	0.20		
	Færder (X'ania Fjord)	28.95	34	NE	4	0	29.13	+2.2	34	33	-1	N	4	0	3	0	36	32	*	-	
	Bodö ...	29.17	?	E	4	6	29.24	+2.7	26	23	-7	E	4	6	1	6	34	25	*	-	
	Christiansund ...	28.95	33	ESE	2	6	29.14	+3.0	32	29	-3	ESE	2	0	5	6	35	30	*	-	
	Skudesnaes ...	28.97	33	Z	0	0	29.15	+2.8	34	33	-3	SSE	4	5	4	0	37	30	*	-	
	Sumburgh Head ...	28.91	32	NW	3	c	29.01	+3.4	31	30	-5	N	1	0	4	5c	36	30	*	0.31	
BRITISH ISLANDS.	Stornoway ...	29.12	35	NW	5	29	29.33	+3.9	34	32	0	NNW	4	6	5	osq, s	36	31	0.0	0.22	
	Malin Head ...	29.32	39	NW	10	+	29.53	+3.3	41	38	-3	NW	9	8	8	osq, s	44	37	*	0.22	
	Blacksod Pt. ...	29.59	40	WNW	6	cqpm	29.83	+3.5	40	37	+3	WNW	6	6	5	bcqpm	42	34	*	0.18	
	Valencia ...	29.78	44	WSW	6	oqpl	30.00	+2.9	45	39	-1	W	5	6	6	cqpl	47	42	0.3	0.14	
	Roche's Point ...	29.78	43	WNW	3	bc p	29.98	+2.7	40	38	-4	WNW	4	6	4	p, bc	46	38	*	0.12	
	Parsonstown ...	29.65	40	SW	3	bc	29.87	+3.5	35	33	-5	SW	1	os p	*	pq, bc	41	32	3.2	0.09	
	Donaghadee ...	29.45	35	WNW	5	cq q	29.62	+4.3	36	?	+2	WNW	5	os	4	gog, bc	36	32	*	0.27	
	Liverpool Obsy. ...	29.51	36	WSW	8	bc	29.65	+2.7	40	37	-2	W	9	c	7	p, bc	43	34	*	0.13	
	Holyhead ...	29.56	40	W	8	bcq p	29.73	+2.8	41	38	+1	WNW	8	cq	6	bcq p	41	37	*	0.02	
	Pembroke (St. Ann's)	29.71	46	WNW	7	bc	29.88	+2.7	45	41	-2	NW	6	c	6	q, bc	48	35	0.0	0.04	
GERMANY, &c.	Scilly (St. Mary's) ...	29.87	49	WNW	8	o q	30.01	+2.1	47	44	-4	NW	5	c	5	e, q, o	52	43	0.0	0.14	
	Jersey (St. Aubins) ...	29.90	49	WNW	6	o q	29.97	+1.2	45	40	-7	WNW	5	bc	4	cq, o q	52	44	0.1	0.32	
	Portland Bill ...	29.73	47	WNW	6	bc q	29.85	+1.7	42	40	-5	NW	7	bc	6	cp, bc q	48	41	*	0.07	
	Dungeness ...	29.66	41	W	7	c q	29.75	+1.0	35	33	-11	NNW	4	6	3	o, bc, q	47	33	*	0.10	
	Wick ...	29.06	30	N	1	s	29.21	+3.5	28	28	-2	W	2	c p o	1	top	33	27	*	0.14	
	Nairn ...	29.11	32	W	2	c	29.31	+3.5	32	32	0	W	2	o	2	a c	33	28	*	0.30	
	Aberdeen ...	29.12	33	WNW	6	bc q s p	29.28	+3.1	32	31	0	W	4	bc q	2	bc q, bc s p	34	31	2.6	0.07	
	Leith ...	29.23	33	WSW	3	bc	29.38	+2.9	35	33	+1	WSW	2	bc	*	bc	36	32	*	0.08	
	North Shields ...	29.27	34	WSW	3	-b	29.42	+2.6	34	33	-2	W	3	bc	2	s p, c, q	36	32	*	0.02	
	Spurn Head ...	29.30	34	W	7	c	29.51	+1.9	37	36	-1	W	7	c q	5	t, c, l	40	33	*	0.24	
FRANCE.	Yarmouth ...	29.46	37	WNW	6	bc	29.55	+1.1	35	34	-4	WNW	5	bc m	5	s q, bc	43	33	*	0.06	
	Loughborough ...	29.54	35	WSW	4	b	29.67	+2.0	36	34	-3	WNW	5	bc q	*	bc, q p, b	45	33	*	0.22	
	Oxford ...	29.67	37	W	3	b	29.78	+1.9	34	32	-8	WSW	3	b	*	q, b, t, s	46	33	*	0.12	
	London (Brixton) ...	29.65	40	WNW	5	b	29.74	+1.6	34	33	-9	WNW	2	b	*	bc, b	44	33	1.3	0.21	
	The Scaw (Skagen) ...	28.92	34	N	2	bc	29.10	+1.4	35	33	-1	NE	2	c	0	bc	37	32	*	0.12	
	Fanö ...	30.09	35	W	6	s	29.17	+0.9	34	33	-8	N	1	c	*	s	43	34	*	0.12	
	Cuxhaven ...	29.19	39	WSW	6	o	29.25	+0.6	39	37	-1	WNW	5	6	*	o, th, tr	43	34	*	0.32	
	The Helder ...	29.35	41	W	7	b	29.43	+0.2	42	39	-1	WNW	6	c	7	b	45	37	*	-	
	Brussels ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	
	Berlin ...	29.28	38	W	5	+	29.28	-0.8	36	35	-6	W	5	+	*	+	43	34	*	0.24	
SPAN. PEN.	Frankfurt ...	29.60	43	W	4	o	29.61	-0.2	36	33	-7	SW	2	c	*	o	45	36	*	-	
	Munich ...	29.69	44	W	7	o	29.68	-1.0	34	33	-9	W	5	o	*	o	46	32	*	0.12	
	C. Gris Nez† ...	29.67	47	W	7	o	29.72	+0.5	41	40	-6	NW	6	o	6	o	48	37	*	0.24	
	Brest ...	29.99	51	NW	4	c	30.06	+0.9	49	46	-4	NNW	6	c	5	c	54	46	*	-	
	Lorient† ...	30.01	48	NW	6	o	30.04	+0.4	48	48	-4	NW	6	c	5	o	55	46	*	0.12	
	Rochefort ...	30.19	51	WSW	7	c	30.14	-1.0	50	48	-4	WSW	6	c	*	c	54	48	*	0.28	
	Biarritz ...	30.34	54	WSW	6	+	30.27	-1.0	54	54	+2	W	8	+	8	+	57	52	*	0.16	
	Paris† ...	29.85	47	WSW	5	o	29.71	-1.5	43	40	-5	W	5	c	*	o	51	39	*	0.08	
	Belfort ...	29.81	44	WSW	7	c	29.69	-1.6	39	38	-6	WSW	6	o	*	c	47	39	*	0.24	
	Lyons† ...	30.14	48	E	1	o	29.93	-2.4	42	?	0	N	1	+	*	o	53	41	*	0.20	
SPAN. PEN.	Nice ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	
	Perpignan† ...	30.17	58	NW	4	b	30.02	-2.6	59	50	+9	NW	4	c	*	b	65	50	*	-	
SPAN. PEN.	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	
	Lisbon ...	30.41	52	N	3	b	30.38	-0.8	53	50	+5	N	5	b	*	b	57	48	*	-	
SPAN. PEN.	Azores (P. Delgada)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	

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

1901
FOR Tuesday, 10th December, 1901.

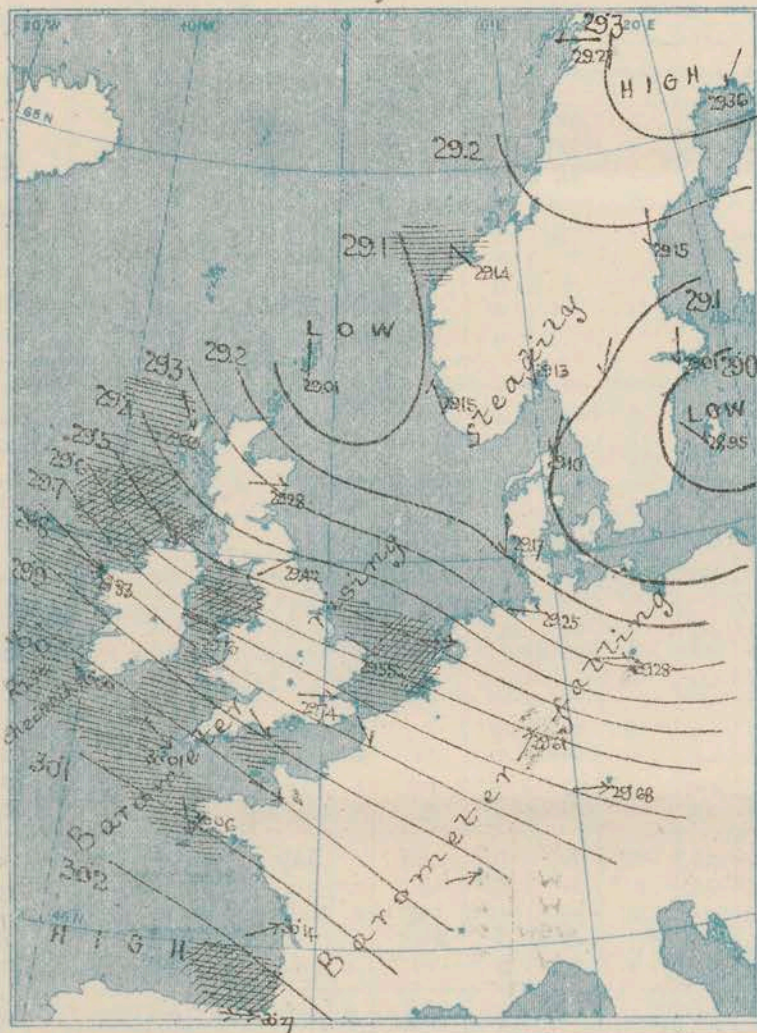
I. BAROMETER, WIND AND SEA. This Morning.

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

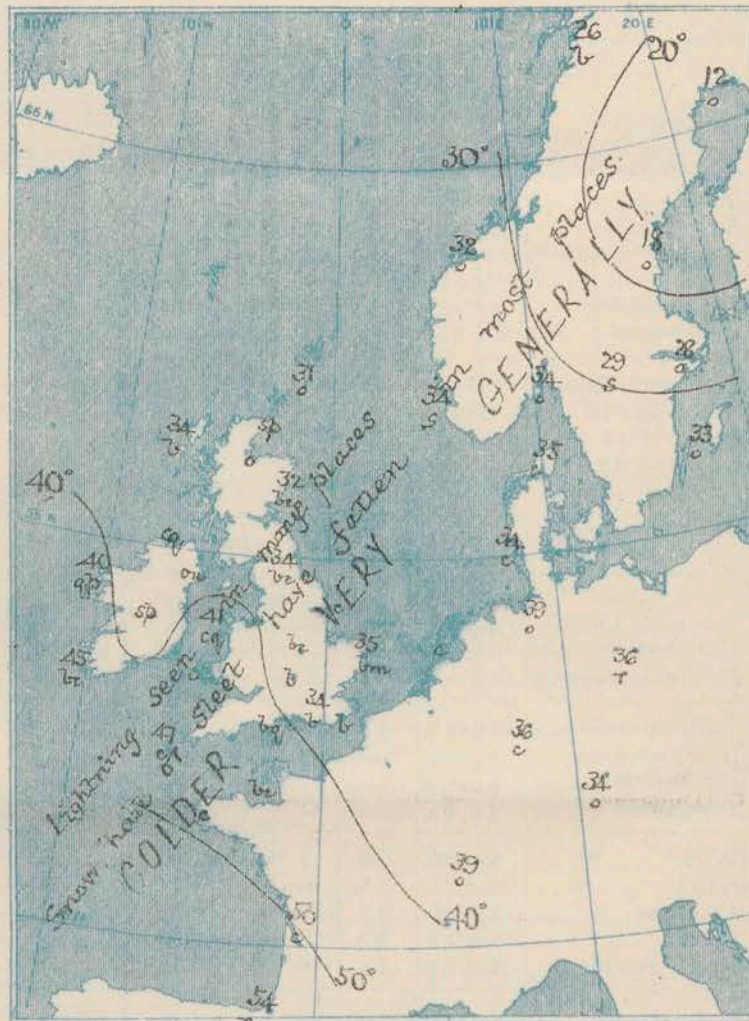


II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

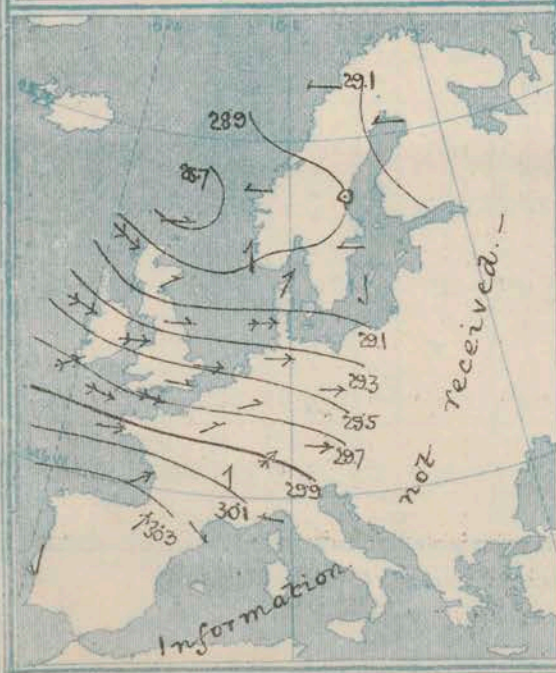
WEATHER.—Shown by Letters of the Beaufort Scale. (See P 4)

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.

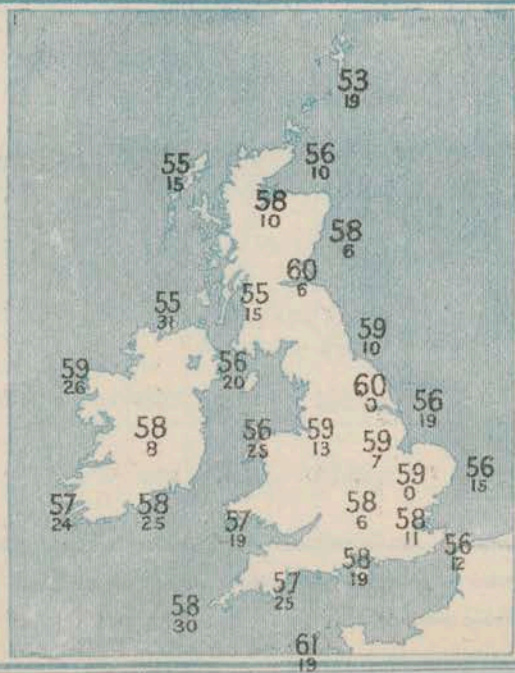


IV. EXTREMES OF TEMPERATURE

in month of DECEMBER (1871-1900)

Specimen { Highest Max. 59
(for Shields) { Lowest Min. 10

Malin Head & Blacksod. Belmullet Values are for only 15 Yrs.



V. Means of DAILY TEMPERATURE

at 8 am. for the monthly period

December (1871-1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

Barometrical pressure is highest, 30.2 in. and upwards, in the south-west of France, and lowest, 29.0 in. and less, in two cyclonic areas - one lying between the Shetlands and the Norwegian coasts and the other over the northern parts of the Baltic; the former system is apparently dispersing, but the latter is inclined to grow deeper. The barometer is at present rising at all but the French and German stations at Valencia (Ireland), however, the rise is reported to be much checked.

WIND

TEMPERATURE

WEATHER

AND

SEA

Westerly or North-westerly winds are reported over Western Europe generally and blow strongly on many parts of our own and the French coasts with a gale in the Irish Sea and the north of Ireland. In the west of Norway the wind is light to moderate from between South and East, while in Sweden and Denmark it is Northerly or North-easterly. Temperature has fallen generally and is now below the average in nearly all parts of our area, excepting the Scilly and Channel Islands and the west of France. At many of our own northern, eastern and central stations the morning readings are below 35°, while in the north and east of Scotland the thermometer stands at or below the freezing point. Frost is reported also in Scandinavia, the lowest readings being 12° at Alesand and 18° at Hermand. In the south of our islands the weather is at present fine, but in all other parts of our area the sky is cloudy or overcast with snow showers at many of our northern stations; snow is also reported in the south of Scandinavia, and rain at Berlin and Biarritz. The sea is very high at Malin Head and also at Biarritz and rough or rather so in most other places. During yesterday the thermometer rose to 45° and upwards at most of our southern and south-western stations and to 52° at Scilly and Jersey; in the north-east of Scotland it did not reach 35°. The amount of bright sunshine was mostly small; at several of our western and northern stations there was none. Snow, hail or sleet fell over nearly the whole of north-western Europe; thunder and lightning occurred in the north of England and lightning only in many other parts of the United Kingdom.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The check in the baric rise at Valencia seems to indicate the advance of further cyclonic systems from the westward, and backing winds are therefore probable on our western coasts. The size and depth of the approaching disturbances cannot at present be estimated.

FORECASTS *

For the 24 hours ending at NOON on 11th December, 1901

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	NW ^{ly} winds, backing later; Some snow showers at first, then fair. Frost at night.	6 { SCOTLAND WEST	Same as Nos: 0+1.
1 { SCOTLAND EAST		7 { ENGLAND N.W.	
2 { ENGLAND N.E.	W ^{ly} and NW ^{ly} winds moderating; fair generally. Frost at night.	8 { ENGLAND S.W.	W ^{ly} to SW ^{ly} winds, strong; fair at first, Some rain later. Milder.
3 { ENGLAND EAST		9 { IRELAND NORTH	
4 { MIDLAND COUNTIES	NW ^{ly} to W ^{ly} winds, moderate; fair generally. Frost at night.	10 { IRELAND SOUTH	
5 { ENGLAND SOUTH			
		WARNINGS	At 10.15 am. today to districts 0, 1, and 6 "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. Ins. Change.	Temperature. Dry. Wet. Change.			Wind.	Weather.	Sea.	Weather.	Temperature. Max. Min.		Sun- shine. Hrs.	Rainfall Ins.
Clacton-on-Sea										b		c, l	46	34	9.0	—
Newton Reigny (Penrith)	29.39	34	WSW6	s	29.53 +.31	33	32	-1	WY	59		og, r, ho	35	31	0.4	0.58
Bath	29.72	41	W4	o	29.84 +.23	37	35	-8	NW2	6		o	47	35	0.0	0.30

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, 6 p.m.	42	33	c	0.7	0.47	Worthing				0.0	
Birmingham, 9 p.m.	43	35	b	1.2	0.06	Llandudno				0.0	
Lowestoft, 6 p.m.	44	33	c	2.5	0.34	Rhyl					
Hastings				0.0		Southport, 9 p.m.	44	35	g, c, h, q	0.5	0.10
Eastbourne				0.0		Manchester, 9 p.m.	43	34	b, h, c	0.3	0.43
Brighton				0.0		Darwen, 9 p.m.	42	31	c	0.3	0.21

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

STATIONS.	TEMPERATURE.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal) DEC. 9	—	—	—	Ins.	Algiers ... DEC. 9	64	50	c, b	—
Madrid	48	23	b, c	—	Tunis	63	41	c, c	—
Corsica (I. Sanguinaires)	57	41	f, m	—	Vienna	52	46	o, o	—
Rome	51	36	b, o	—	St. Petersburg	48	21	s, o	0.08
Florence	48	35	o, o	—	Lugano ... DEC. 8	1 p.m.	—	—	Measured 7 a.m. 8 m.
Trieste	50	37	b, o	—	Davos	—	—	Information not arrived.	
Brindisi	51	41	b, b	—	Lucerne	—	—		
Naples	53	43	b, o	—	Lausanne	—	—		
Palermo	60	46	o, 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.

DEC. 10 th , 1901.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	7.54	11.46	3.37
Greenwich	7.56	11.53	3.50
Wick	8.53	12.5	3.17
Valencia	8.40	12.34	4.28

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 11th December 1901.

Issued by the Meteorological Office, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather.	Barometer.		Temperature.			Wind.		Sea (0 to 9.)	Weather.	Temp.			Sun- shine. Hours	Rainfall. Ins.	
At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	At 32° Fabr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)	At 32° and M.S.L.	Max.	Min.								
Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.							
SCANDINAVIA.	Haparanda ...	29.41	11	NNE	4	S	29.49	+13	12	12	0	NNE	4	S	*	S	21	7	*	0.08	
	Hernösand ...	29.26	16	N	4	0	29.32	+17	14	14	-4	N	6	0	*	0	28	14	*	0.04	
	Stockholm ...	29.21	19	NNW	4	S	29.18	+17	18	17	-10	NW	4	S	*	S	32	18	*	0.04	
	Wisby ...	29.15	28	N	6	0	29.19	+24	27	26	-6	N	6	0	*	0	?	25	*	0.16	
	Karlstad ...	29.26	24	N	2	0	29.32	+20	14	13	-15	N	2	0	*	0	*	*	*	-	
	Färder (X'ania Fjord) ...	29.26	32	NNE	2	0	29.34	+21	26	24	-8	NNE	4	0	2	0	34	25	*	-	
	Bodö ...	29.39	21	E	5	0	29.47	+20	23	20	-3	E	4	0	1	0	27	19	*	-	
	Christiansund ...	29.31	29	ENE	1	0	29.37	+23	30	27	-2	SE	3	0	4	0	32	27	*	0.16	
	Skudesnaes ...	29.27	33	Z	0	0	29.34	+19	28	27	-6	NE	2	0	3	0.0	36	27	*	*	
	Sumburgh Head ...	29.20	36	NW	1	S	29.43	+42	34	33	+3	N	2	0	4	C, S	36	26	*	0.11	
BRITISH ISLANDS.	Stornoway ...	29.39	38	NNW	4	C	29.57	+24	39	37	+5	NNW	4	0	5	bp, oq, c	39	32	0.1	0.31	
	Malin Head ...	29.36	42	NW	7	chq	29.66	+13	43	41	+2	N	7	0	6	C, hq, c	44	35	*	0.15	
	Blackisd Pt. ...	29.78	42	NW	5	bc, hq, c	29.86	+03	39	37	-1	NW	4	0	4	bc, hq, c	43	38	*	0.21	
	Valencia ...	29.88	44	WNW	4	cp	29.93	-07	44	39	-1	NW	4	0	5	og, cp	46	41	0.0	0.11	
	Roche's Point ...	29.84	42	WNW	3	0	29.90	-08	39	37	-1	WNW	3	0	3	C, S	45	37	*	0.05	
	Parsonstown ...	29.78	35	W	1	0	29.83	-04	33	31	-2	WNW	1	0	*	0	39	32	0.0	0.21	
	Donaghadee ...	29.58	37	WNW	4	rgu	29.66	+04	38	36	+2	WNW	5	0	5	rgu	39	34	*	0.27	
	Liverpool Obsy. ...	29.59	41	W	7	0	29.62	-03	41	39	+1	W	6	0	5	0, p	43	38	*	0.07	
	Holyhead ...	29.68	41	W	7	cqu	29.68	-05	42	40	+1	NW	7	0	6	C, cqu	46	37	*	-	
	Pembroke (St. Ann's) ...	29.76	43	WNW	5	C	29.79	-09	42	38	-3	NW	6	0	5	bp, c	48	39	0.2	0.07	
GERMANY, &c.	Scilly (St. Mary's) ...	29.87	47	WNW	5	+	29.87	-14	46	43	-1	NNW	5	0	4	0, r	50	42	0.7	0.22	
	Jersey (St. Aubins) ...	29.93	46	WNW	4	og	29.83	-14	41	40	-4	NW	5	0	4	bc, og, hq, p	50	41	4.4	0.18	
	Portland Bill ...	29.80	45	W	6	C	29.73	-12	43	41	+1	WNW	6	0	5	C	46	41	*	-	
	Dungeness ...	29.74	41	NNW	6	0	29.63	-12	34	32	-1	NW	4	0	3	bc, b	43	32	*	-	
	Wick ...	29.29	30	NW	1	0	29.49	+28	30	29	+2	NW	1	0	0	sp, bc	47	24	*	0.16	
	Nairn ...	29.35	34	W	1	0	29.48	+17	36	35	+4	W	1	0	1	0	36	30	*	0.33	
	Aberdeen ...	29.32	32	WNW	3	0	29.48	+20	34	33	+2	W	2	0	2	0	36	31	4.3	0.16	
	Leith ...	29.37	34	WSW	3	0	29.51	+13	36	34	+1	SSW	1	0	2	0	37	32	*	0.02	
	North Shields ...	29.44	35	WSW	3	0	29.49	+07	32	31	-2	W	3	0	2	bc, b	38	31	*	-	
	Spurn Head ...	29.51	37	W	7	0	29.49	-02	37	36	0	W	5	0	4	C, Z	39	36	*	0.02	
FRANCE.	Yarmouth ...	29.56	38	W	6	bc, q	29.48	-07	34	33	-1	WNW	5	0	5	bc, q	40	32	*	-	
	Loughborough ...	29.64	37	W	5	0	29.60	-07	36	35	0	WNW	3	0	*	0	41	34	*	0.01	
	Oxford ...	29.70	36	W	3	0	29.66	-12	35	33	+1	W	3	0	*	0	41	32	*	-	
	London (Brixton) ...	29.72	39	W	3	0	29.64	-10	36	34	+2	WNW	2	0	*	0	42	34	0.0	0.02	
	The Scaw (Skagom) ...	29.24	35	ENE	2	S	29.31	+21	32	32	-3	E	2	0	0	0	36	?	*	0.28	
	Fanö ...	29.25	34	E	2	0	29.29	+12	27	26	-7	NE	2	0	*	0	37	27	*	0.08	
	Cuxhaven ...	29.34	37	W	3	0	29.26	+01	34	34	-5	SW	2	0	*	0	41	32	*	0.22	
	The Helder ...	29.44	43	WNW	8	0	29.33	-10	41	39	-2	WNW	6	0	6	0	45	36	*	0.12	
	Brussels ...	29.40	36	W	4	0	29.36	+08	35	34	-1	WNW	3	0	*	0	37	34	*	0.04	
	Berlin ...	29.70	38	SW	4	0	29.54	-07	35	35	-1	SW	2	0	*	0	39	35	*	-	
SPAN. PEN.	Munich ...	29.83	32	SW	7	C	29.60	-08	27	25	-7	SW	3	0	*	0	36	27	*	0.28	
	C. Gris Nez† ...	29.75	42	NW	6	C	29.65	-07	39	39	-2	NW	5	0	6	C	52	?	*	-	
	Brest ...	29.93	47	W	5	+	29.92	-14	48	46	-1	NNW	5	0	5	+	50	43	*	0.63	
	Lorient ...	29.98	47	WNW	4	+	29.93	-11	45	44	-3	NW	5	0	5	+	55	41	*	0.67	
	Rochefort ...	30.20	47	NW	3	0	30.06	-09	47	45	-3	WSW	4	0	*	0	52	46	*	0.20	
	Biarritz ...	30.25	52	W	4	+	30.07	-20	56	52	+2	W	8	0	7	+	56	48	*	0.12	
	Paris ...	29.95	38	SW	2	0	29.71	-00	38	37	-5	WNW	2	0	*	0	47	37	*	0.04	
	Belfort ...	29.95	33	SW	2	C	29.64	-05	32	32	-7	WSW	2	0	*	0	39	30	*	0.04	
	Lyons ...	29.74	36	NNW	1	0	29.70	-23	42	38	0	NW	6	0	*	0	47	32	*	0.08	
	Nice ...	29.69	50	W	5	0	29.73	-09	41	35	-14	W	6	0	5	0	61	39	*	-	
SPAN. PEN.	Perpignan ...	30.12	51	NW	2	0	29.93	-09	45	42	-14	S	3	0	*	0	63	42	*	-	
	Corunna ...	30.28	54	N	4	0	30.24	-14	51	46	-2	NNE	4	0	*	0	61	50	*	-	
Azores (P. Delgada) ...	30.42	63	SE	4	0	30.37	-06	62	55	+1	ESE	4	0	5	0	66	61	*	-		

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

* Observations for this column not generally received.

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

WEATHER CHARTS

FOR WEDNESDAY, 11TH DECEMBER, 1901.

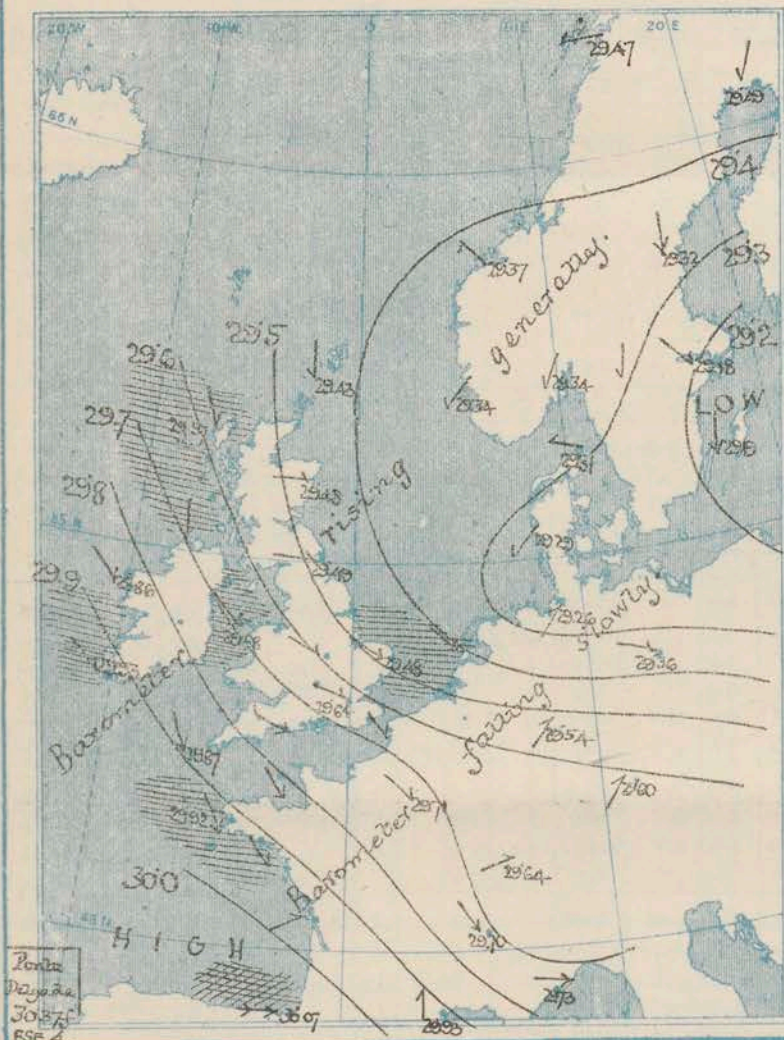
I. BAROMETER, WIND AND SEA. This Morning.

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

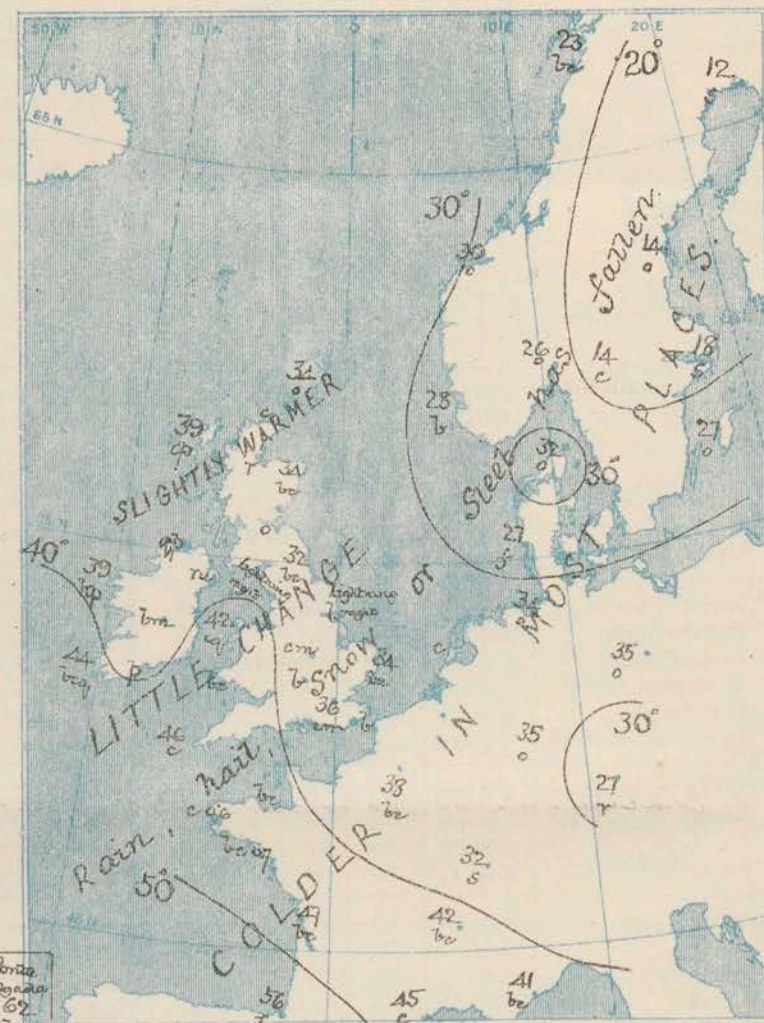


II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

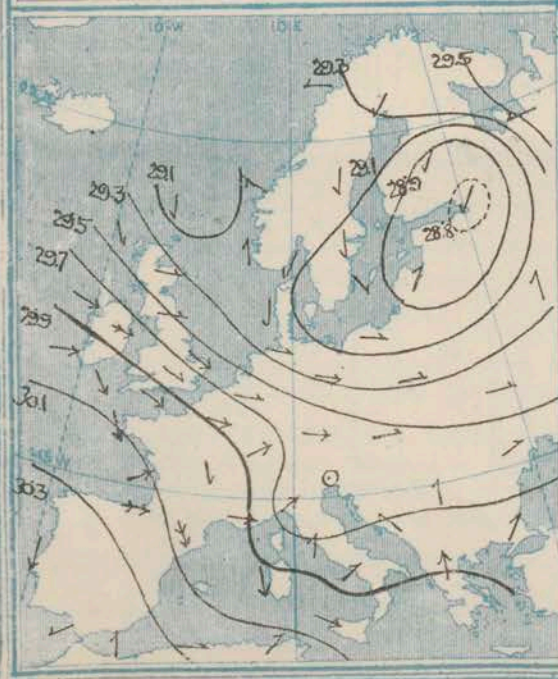
WEATHER.—Shown by Letters of the Beaufort Scale. (See P 4.)

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

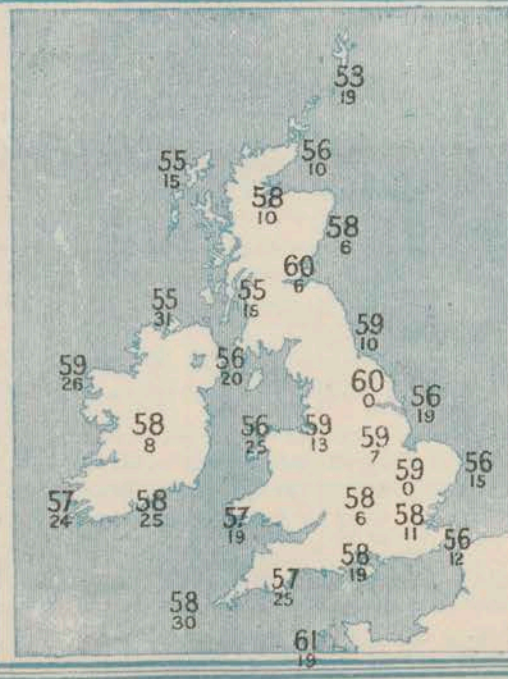
Yesterday morning.



IV. EXTREMES OF TEMPERATURE in month of DECEMBER (1871-1900)

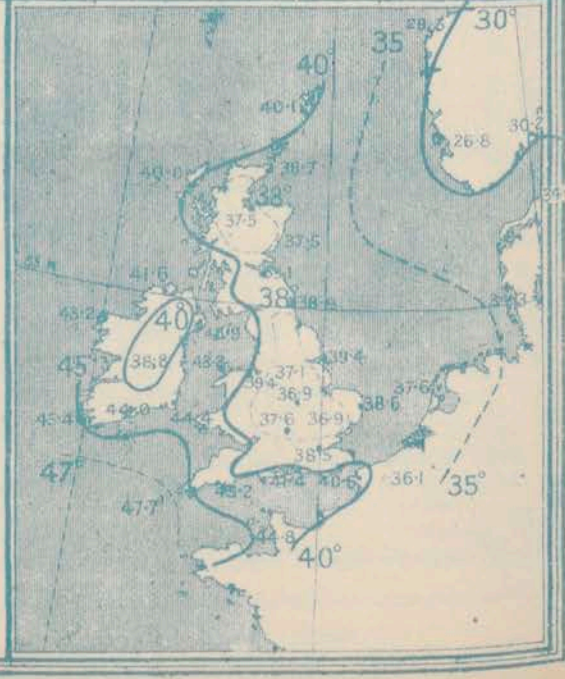
Specimen { Highest Max. 59
(for Shields) { Lowest Min. 10

Malin Head & Blacksod. Belmullet Values are for only 15 Yrs.



V. Means of DAILY TEMPERATURE

at 8 am for the monthly period
December (1871-1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

Barometrical pressure remains highest, 30.0 ins. and upwards, in the south west of France and lowest 29.2 ins. and less, in a somewhat shallow area lying over the northern part of the Baltic, a subsidiary hollow being reported over Denmark. The barometer is falling a little in France, Germany and the Netherlands, but is at present rising in most other parts of our area.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind is N.W. in the west and south of our islands and the north of France and strong in force at several of the more exposed stations. On the east coasts of Great Britain it is light to fresh from the westward, while in Germany and the east of France it is S.W. Moderate to strong N.W. winds are reported in Sweden and light E. or N.E. breezes in Norway and Denmark. Temperature has changed very little in these islands, but has fallen at most of the Continental stations and is now low for the time of year over western Europe generally. The lowest readings at present reported over the United Kingdom are 30° at Wick, 32° at Shields and 33° at Parsonstown. Slight frost also prevails in South Germany and the east of France and severe frost in many parts of Scandinavia, the readings being as low as 12° at Apataranda and 14° at Herneborg and Aslåtstø. The weather is fine over England and the greater part of France, but is showery in Ireland and the north of Scotland, with hail at Blackhead Point. In Scandinavia Denmark and Germany the sky is cloudy and rain is falling at Munich and snow at Stockholm and also at Belfast. The sea is rough on our west and south-west coasts and also on the coasts of France and Holland.

During yesterday the thermometer remained below 40° over the northern parts of our islands generally, in the north of Scotland it rose very little above 35°. The duration of bright sunshine was small in the west, but rather large elsewhere; at Brighton it amounted to 5.0 hrs. and at Eastbourne to 5.2 hrs. Snow, hail or sleet fell in most parts of N.W. Europe and considerable amounts of rain in the west of France; lightning was seen at Osnabrück and Trier (Germany).

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no signs of any material change in the weather. Small shallow cyclonic areas of a secondary character are apparently moving southwards or southeastwards over our northern districts and are likely to occasion snow showers in most parts of the Kingdom.

FORECASTS *

For the 24 hours ending at NOON on 12th December, 1901

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	N.W. winds, moderate; changeable, some snow showers.
1	SCOTLAND EAST	W. to N.W. winds, light; changeable, some snow showers.
2	ENGLAND N.E.	
3	ENGLAND EAST	W. and N.W. winds, moderate or fresh; changeable, some snow showers.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	



DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as No. 0.
7	ENGLAND N.W.	
8	ENGLAND S.W.	N.W. winds, strong in places; changeable, some hail or sleet showers.
9	IRELAND NORTH	
10	IRELAND SOUTH	

WARNINGS

At 3.30 pm. to districts 3, 5 and 7 & 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	*	*	*	*	*	*	*	*	*	*	6	*	6	41	33	4.9	—
Newton Reigny (Penrith)	29.48	34	W 4	bc	29.57	+0.4	34	32	+1	WNW 3	6	*	oap, ab	36	32	1.2	0.06
Bath	29.78	42	W 3	c	29.71	-.13	38	36	+1	W 3	bc	*	c	45	35	3.1	—

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, 6 p.m.	39	32	csq	1.5	0.27	Worthing	*	*	*	4.9	*
Birmingham, 9 p.m.	39	33	6	0.0	0.04	Llandudno	*	*	*	1.4	*
Lowestoft, 6 p.m.	40	33	6	4.5	—	Rhyl	*	*	*	1.5	*
Hastings	*	*	*	4.4	*	Southport, 9 p.m.	43	38	q, h, o, c	1.7	0.04
Eastbourne	*	*	*	5.2	*	Manchester, 9 p.m.	42	34	bc, w	1.0	0.15
Brighton	*	*	*	5.0	*	Darwen, 9 p.m.	38	31	c, v	1.2	0.17

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

STATIONS.	TEMPERATURE.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal) DEC. 10	66	54	c, c	Ins. 0.12	Algiers ... DEC. 10	64	48	c, c	Ins. —
Madrid	—	—	—	—	Tunis	59	32	c, c	—
Corsica (I. Sanguinaires)	59	37	m, m	—	Vienna	52	37	r, r	0.32
Rome	54	51	o, o	—	St. Petersburg	30	23	s, s	0.12
Florence	57	48	o, o	—	Lugano ... DEC. 9	43	—	b	Measured 7 a.m. 9
Trieste	50	43	c, o	—	Davos	36	—	r	0.04
Brindisi	63	45	b, c	—	Lucerne	46	—	r	0.28
Naples	55	49	c, o	—	Lausanne	45	—	o	0.20
Palermo	65	54	s, 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.

DEC. 11 th 1901.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	4.56	11.46	3.37
Greenwich	4.57	11.53	3.49
Wick	8.54	12.5	3.16
Valencia	8.41	12.34	4.27

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

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

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

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

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest* forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom Sixpence in addition to the cost of the inquiry and reply Telegrams. Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 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 12th December 1901.

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 ...	29.63	8	NNE	2	o	29.62	+43	10	10	-2	NE	2	o	*	o	12	5	*	-	
	Hernösand ...	29.46	17	N	6	o	29.59	+27	15	14	+1	N	2	o	*	o	19	12	*	0.04	
	Stockholm ...	29.36	18	NW	4	s	29.51	+33	23	22	+5	NW	2	o	*	s	?	16	*	0.12	
	Wisby ...	29.32	26	N	8	s	29.49	+30	28	27	+1	N	6	s	*	s	34	21	*	-	
	Karlstad ...	29.51	11	N	4	b	29.68	+36	10	10	-4	NW	2	b	*	b	*	*	*	-	
	Färder (X'ania Fjord) ...	29.50	26	NNE	2	b	29.68	+34	23	22	-3	ENE	2	b	1	b	27	21	*	-	
	Bodö ...	29.60	20	E	4	b	29.70	+23	19	16	-4	E	4	b	1	b	23	18	*	-	
	Christiansund ...	29.47	27	ESE	3	b	29.61	+24	24	23	-6	ESE	3	b	4	b	30	23	*	-	
	Skudesnaes ...	29.50	30	Z	o	b	29.73	+39	33	32	+5	SE	4	s	2	c	34	27	*	*	
	Sumburgh Head ...	29.52	35	N	2	c	29.55	+12	35	34	+1	NW	3	+	3	c	37	32	*	0.18	
BRITISH ISLANDS.	Stornoway ...	29.71	36	NNE	4	s, r	29.69	+12	33	32	-6	NNW	3	bhp	3	hp, b, r	48	29	0.4	0.13	
	Malin Head ...	29.72	43	N	5	b	29.59	-07	39	36	-4	NE	6	b	4	q, c, b	43	34	*	0.05	
	Blackod Pt. ...	29.77	41	SE	2	b	29.60	-26	39	37	o	NNE	7	cqhp	5	b, c	43	38	*	0.11	
	Valencia ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Roche's Point ...	29.79	42	W	2	o	29.26	-64	35	35	-4	NE	6	rag	5	c, o	43	33	*	1.65	
	Parsonstown ...	29.78	34	E	1	b	29.44	-39	35	34	+2	?W	3	o	*	b	38	32	4.5	0.03	
	Donaghadee ...	29.73	43	NW	3	bq	29.57	-09	40	37	+2	SSE	4	o	4	bq	43	36	*	0.03	
	Liverpool Obsy. ...	29.72	40	W	3	b	29.47	-15	36	35	-5	E	3	o	?	p, b	47	34	*	0.02	
	Holyhead ...	29.74	42	W	4	b	29.42	-26	40	39	-2	ENE	3	ogm	2	c, b	44	38	*	-	
	Pembroke (St. Ann's) ...	29.78	43	NW	6	c	29.06	-73	36	36	-6	ENE	7	gq, r	5	c	44	33	4.2	0.65	
GERMANY, &c.	Scilly (St. Mary's) ...	29.87	46	WNW	3	o	29.01	-86	43	47	+2	SW	6	o	4	o	49	43	4.0	0.72	
	Jersey (St. Aubins) ...	29.90	45	WNW	3	cq	29.39	-46	49	47	+8	SE	8	o	6	b, c, q, p	49	38	4.3	0.10	
	Portland Bill ...	29.83	44	NW	4	b	29.22	-51	48	48	+5	SSE	7	ogm	6	b	48	42	*	0.49	
	Dungeness ...	29.77	37	WNW	3	b	29.59	-04	42	41	+8	S	6	+	4	b	44	33	*	0.05	
	Wick ...	29.59	34	NW	1	b	29.61	+12	25	25	-5	WNW	1	b	o	b	37	25	*	0.06	
	Nairn ...	29.64	34	NW	2	o	29.66	+18	26	26	-10	W	1	b	1	o	37	23	*	0.15	
	Aberdeen ...	29.63	34	WNW	3	b	29.64	+16	30	29	-4	WNW	3	b	1	b	36	30	4.1	0.02	
	Leith ...	29.63	35	SW	1	b	29.61	+10	27	27	-9	Z	o	f	*	b	39	25	*	-	
	North Shields ...	29.64	37	W	1	m	29.59	+10	33	32	+1	NNW	2	c	2	s, c, m	37	28	*	-	
	Spurn Head ...	29.67	39	WNW	3	b	29.59	+10	38	38	+1	SSE	3	m	1	bf	40	33	*	-	
FRANCE.	Yarmouth ...	29.66	35	WNW	3	b	29.60	+12	40	38	+6	S	4	c	3	b	40	31	*	-	
	Loughborough ...	29.73	39	WNW	2	r	29.54	-06	33	32	-3	E	2	ogm	*	op, b, r	44	32	*	0.05	
	Oxford ...	29.78	34	W	2	b	29.43	-23	35	34	o	E	4	ogm	*	b	43	33	*	0.09	
	London (Brixton) ...	29.77	38	W	3	b	29.47	-77	37	37	+1	SSE	3	omr	*	b, c, r	42	32	0.0	0.02	
	The Scaw (Skagen) ...	29.49	27	NNE	3	c	29.66	+35	30	29	-2	SE	1	b	o	c	32	25	*	0.08	
	Fanö ...	29.58	24	N	1	b	29.67	+38	30	29	+3	N	2	s	*	b	36	23	*	0.08	
	Cuxhaven ...	29.50	35	W	1	b	29.74	+48	34	34	o	SW	2	b	*	b	37	30	*	-	
	The Helder ...	29.61	39	N	1	b	29.71	+38	33	32	-8	SSW	1	b	1	b	43	32	*	0.12	
	Brussels ...	*	*	*	*	*	29.78	+23	32	32	-1	S	4	b	*	b	40	31	*	-	
	Berlin ...	29.43	35	W	2	r	29.75	+39	33	32	-2	W	3	c	*	r	37	23	*	0.04	
SPAN. PEN.	Frankfurt ...	29.73	38	SW	4	c	29.91	+34	37	35	+2	SW	2	o	*	c	41	35	*	-	
	Munich ...	29.76	32	SW	6	s	29.95	+35	31	30	+4	SW	6	b	*	s	34	27	*	0.12	
	C. Gris Nez ...	29.78	42	WNW	4	b	29.62	-03	39	38	o	S	4	r	4	b	48	36	*	-	
	Brest ...	29.94	46	WNW	3	c	29.38	-54	50	50	+2	WSW	6	+	6	c	50	46	*	0.12	
	Lorient ...	29.95	47	NW	2	r	29.41	-52	50	50	+5	SW	7	+	7	r	50	45	*	0.12	
	Rochefort ...	30.08	47	N	2	b	29.78	-27	46	44	-1	S	5	b	*	b	50	45	*	0.04	
	Biarritz ...	30.09	52	W	3	o	29.85	-22	50	47	-6	S	3	b	4	o	56	46	*	0.12	
	Paris ...	29.89	39	WSW	2	b	29.80	+09	34	33	-4	S	3	o	*	b	46	31	*	-	
	Belfort ...	29.86	33	WSW	5	o	29.95	+31	31	28	-1	WSW	1	b	*	o	35	28	*	0.12	
	Lyons ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nice ...	29.71	46	SW	2	b	29.96	+23	42	35	+1	NE	3	b	3	b	55	37	*	-		
Perpignan ...	30.05	48	SW	2	o	29.99	+06	43	42	-2	Z	o	o	*	o	62	39	*	-		
SPAN. PEN.	Corunna ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Lisbon ...	30.10	50	NNW	4	b	30.04	-20	51	48	o	NNW	1	o	*	b	59	46	*	-	
SPAN. PEN.	Azores (P. Delgada) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	

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

Observations for this column not generally received.

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

WEATHER CHARTS

FOR Thursday, 12th December, 1901.

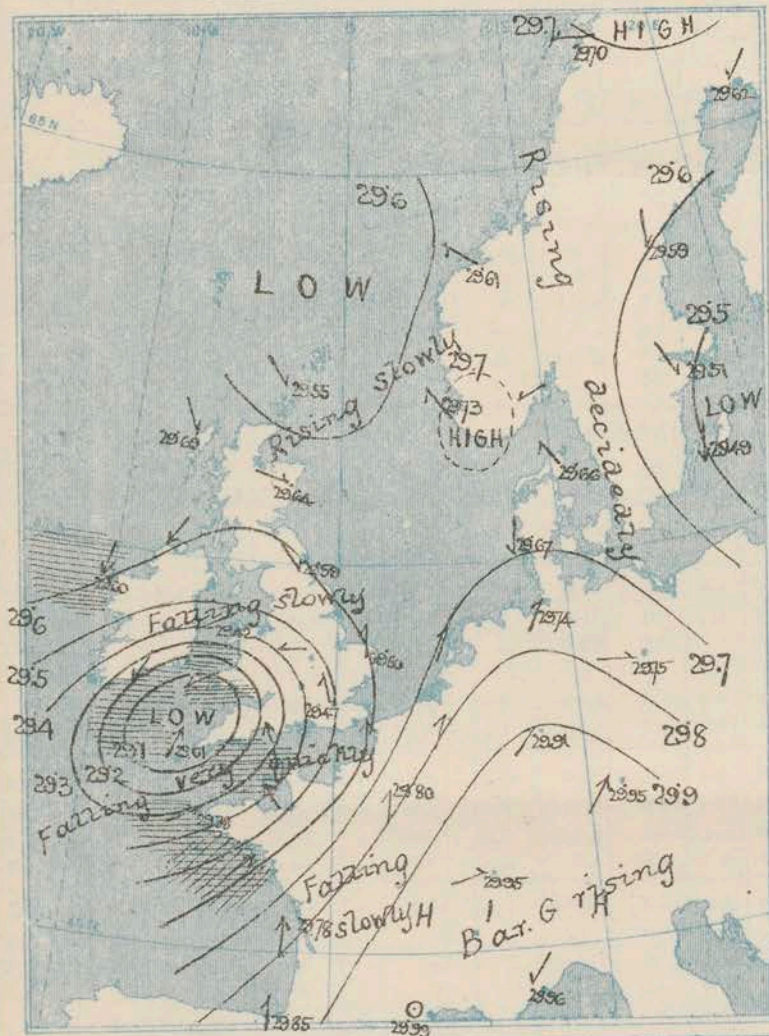
I. BAROMETER, WIND AND SEA. This Morning.

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

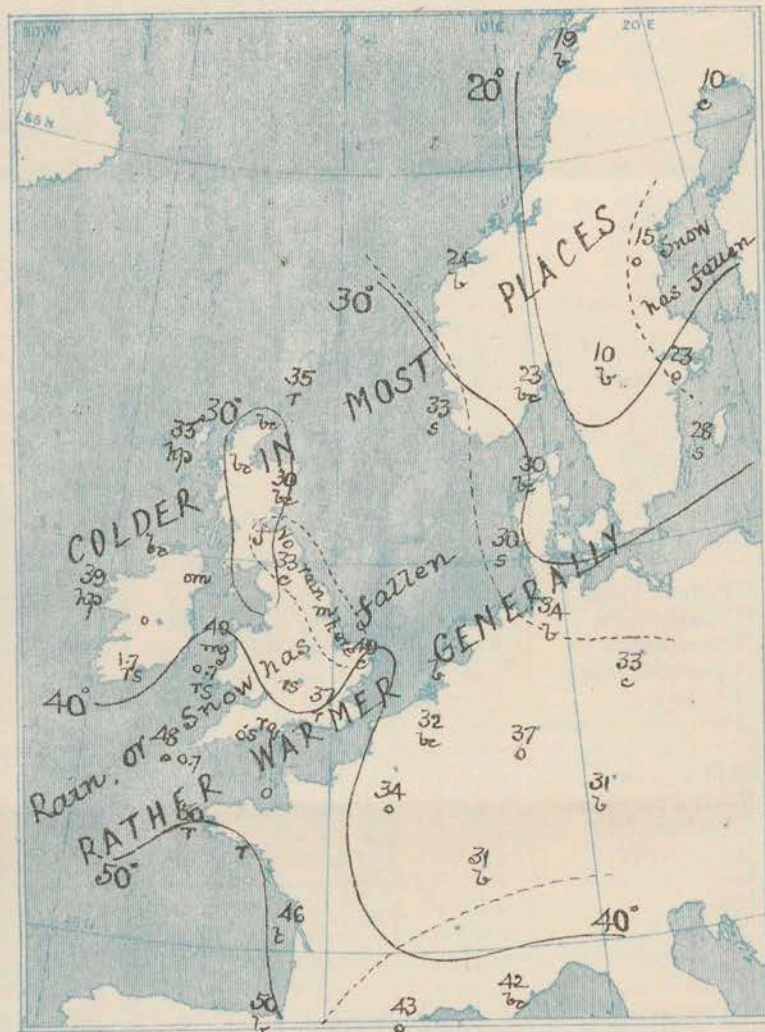


II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

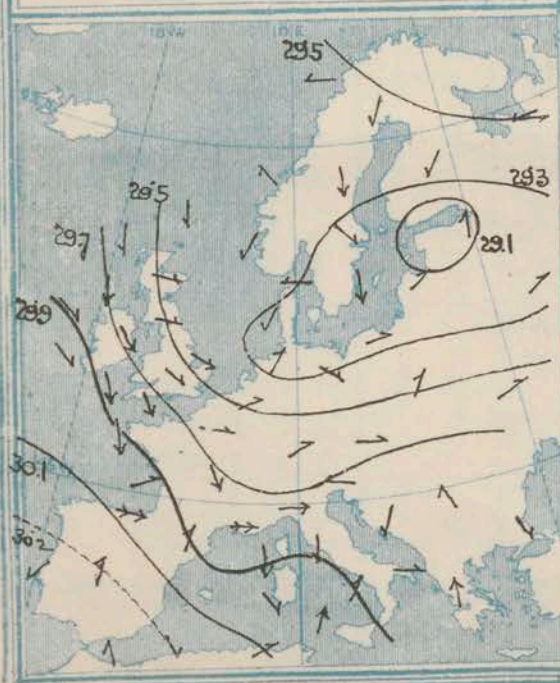
WEATHER.—Shown by Letters of the Beaufort Scale. (See P 4)

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



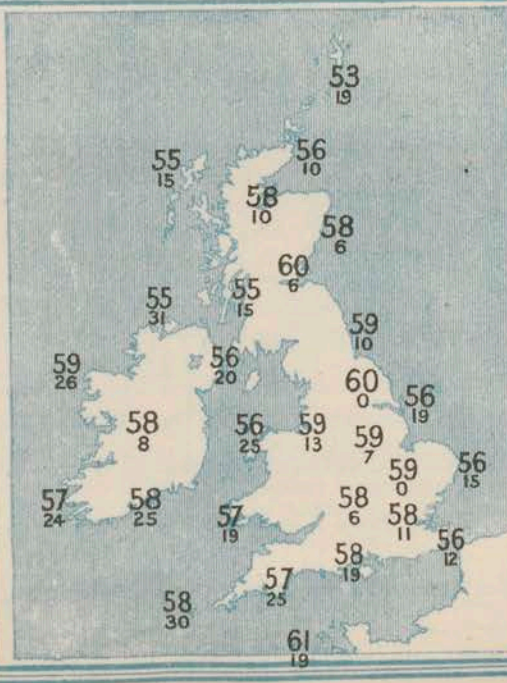
III. BAROMETER AND WIND

Yesterday morning.



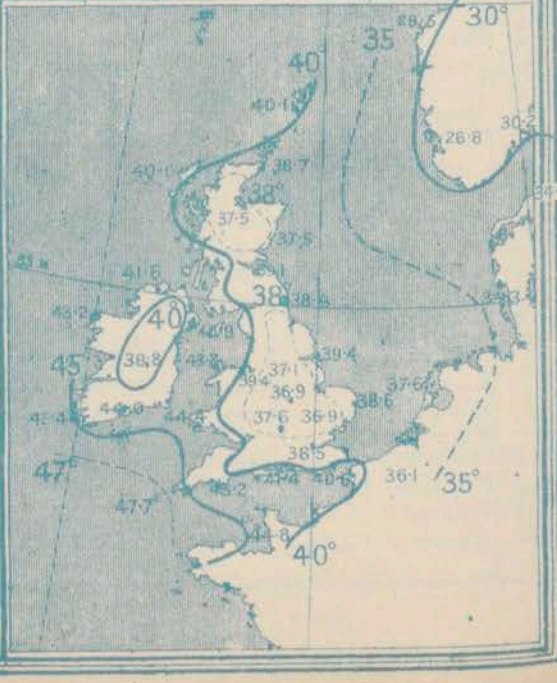
IV. EXTREMES OF TEMPERATURE in month of DECEMBER (1871-1900)

Specimen (for Shields) { Highest Max. 59
Lowest Min. 10
Malin Head & Blacksod Belmullet Values are for only 15 Yrs



V. Means of DAILY TEMPERATURE

at 8 am. for the monthly period
December (1871-1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The centre of a deep cyclonic system has appeared off the mouth of the Bristol Channel, in which neighbourhood the barometer has fallen below 29.1 in. The mercury is falling rapidly at most of our own southern stations and to a less extent in France and a steep gradient is reported over the Southern and south-western parts of the United Kingdom generally. Shallow low pressure systems are still found respectively off the Norwegian coast and over the northern part of the Baltic, but in Scandinavia, Denmark and Germany the mercury is rising. The highest pressures, 29.9 in. and upwards, are reported over the southern parts of France and Germany.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind is Southerly over France, the Netherlands and the south and east of England and blows strongly at the Channel stations with a gale at Jersey; over Wales and the neighbouring parts of England it is Easterly, while in Ireland it is strong from North or North-east. Light North-westerly breezes prevail in the north of Scotland and South-easterly or Easterly breezes in Norway; in Sweden the wind is Northerly. With the increasing Southerly wind the thermometer has risen at the Channel stations, the readings there being mostly above 45°. In most other parts of the United Kingdom the thermometer has fallen and at many of our northern stations it is below the freezing point, the lowest ^{reading} reported being 22° at Newton Rigg (Peebles) and 25° at Wick. Frost also prevails in Scandinavia and Denmark; at Haparanda and Kaslita the thermometer stands as low as 10° Felt. Rain is falling in the south of England and the north of France and sleet in the south of Ireland; thunder is reported at Rochefort. In most other parts of our area the weather is at present fair, but rain is falling at Dunburgh Head and snow at Skudenes and Tanö. The sea is rough in the Channel and the Bay of Biscay and rather rough on all our south-west coasts.

During yesterday the thermometer remained below 45° in all but the south-western parts of the United Kingdom and below 40° at many of our northern stations. The amount of bright sunshine was mostly large - between 5 and 6 hours at some of the English stations and as much as 6.2 hours at Worthing; in London, however, there was no measurable quantity. Heavy rain has fallen in the south-west (as much as 1.7 in. at Roches Point and 0.7 at Pembroke and Killy) and smaller quantities of rain, or of snow, at all but our east coast stations.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The cyclonic system in the south-west is likely to move in an easterly or east-north-easterly direction and gales are probable on most parts of the English and Irish coasts, with snow in the northern districts.

FORECASTS *

For the 24 hours ending at NOON on 13th December, 1901

DISTRICTS.		FORECASTS.	DISTRICTS.		FORECASTS.
0	{ SCOTLAND NORTH	Variable breezes, finally E ^{ly} , fair at first, some snow later.	6	{ SCOTLAND WEST	Same as Nos. 0 & 1.
1	{ SCOTLAND EAST		7	{ ENGLAND N.W.	E ^{ly} winds, increasing in force; unsettled, some snow or sleet.
2	{ ENGLAND N.E.	E ^{ly} winds, freshening; unsettled, some snow.	8	{ ENGLAND S.W.	Wind shifting to the N ^W , and increasing to a gale; squally, with cold rain or sleet.
3	{ ENGLAND EAST	S ^W winds, strong to a gale; squally, rainy.	9	{ IRELAND NORTH	N ^W winds, strong to a gale; squally, with cold rain or sleet.
4	{ MIDLAND COUNTIES		10	{ IRELAND SOUTH	
5	{ ENGLAND SOUTH		WARNINGS		At 9.50 am. to districts 3 & 5 "Hoist S. Cone," and to districts 7 & 10 "Hoist North Cone."

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

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

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

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.				THIS MORNING 8 A.M.						PAST 24 HOURS.					
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer. Ins. Change.	Temperature. Dry. Wet. Change.			Wind.	Weather.	Sea.	Weather.	Temperature. Max. Min.		Sun- shine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	0	*	b	42	32	5.1	—
Newton Reigny (Penrith)	29.66	34	WNW	c	29.59 +0.02	22	20	-12	ZO	m	*	c, b, omc	39	20	3.9	—
Bath	29.80	38	W	bc	29.18 -53	38	37	0	E1	r	*	bc	44	31	4.6	0.40

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, 6 p.m.	38	32	b	6.1	0.02	Worthing	*	*	*	6.2	*
Birmingham, 9 p.m.	42	33	c	1.9	0.08	Llandudno	*	*	*	1.1	*
Lowestoft, 6 p.m.	39	32	b	4.9	—	Rhyl	*	*	*	4.0	*
Hastings	*	*	*	5.7	*	Southport, 9 p.m.	44	37	g, c, p, c	3.0	0.18
Eastbourne	*	*	*	6.0	*	Manchester, 9 p.m.	43	33	bc	0.0	0.17
Brighton	*	*	*	5.8	*	Darwen, 9 p.m.	40	32	c, v	3.0	0.30

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

STATIONS.	TEMPERATURE.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal) DEC 11 th	—	—	—	Ins.	Algiers ... DEC 11 th	64	50	b, c	Ins.
Madrid	52	29	b, b	—	Tunis	59	39	o, c	—
Corsica (I. Sanguinaires)	54	37	m, c	—	Vienna	41	34	o, b	—
Rome	60	41	b, b	—	St. Petersburg	41	21	o, s	0.08
Florence	57	34	b, c	—	Lugano ... DEC 10 th	52	—	b	Measured 7 a.m. 10 th
Trieste	50	39	c, o	—	Davos	27	—	s	0.08
Brindisi	55	48	c, b	—	Lucerne	41	—	c	0.55
Naples	57	50	o, b	—	Lausanne	37	—	o	0.51
Palermo	64	57	c, 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.

DEC. 12 th , 1901.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	4.57	11.47	3.36
Greenwich	4.58	11.54	3.49
Wick	8.53	12.6	3.16
Valencia	8.42	12.35	4.27

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 8 p.m.

DAILY WEATHER REPORT

for 8 a.m. on Friday 13th December

1901.

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.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.			Force (0 to 12.)	Weather.			Max.	Min.
SCANDINAVIA.	Haparanda ...	29.80	1	N	4	b	29.97	+2.5	12	5	+2	N	2	0	*	b	12	0	*	—		
	Hernösand ...	29.75	13	Z	0	0	29.93	+2.4	18	16	+3	N	2	0	*	0	18	10	*	—		
	Stockholm ...	29.78	10	Z	0	b	29.92	+4.1	8	7	-15	W	2	b	*	b	25	8	*	—		
	Wisby ...	29.79	26	N	6	0	29.91	+4.2	24	23	-4	N	6	0	*	0	36	24	*	—		
	Karlstad ...	29.83	19	N	2	b	29.95	+2.7	23	0	-7	N	2	b	*	b	*	*	*	—		
	Färder (X'ania Fjord)	29.81	24	NE	1	0	29.89	+2.1	23	23	0	NE	4	0	2	0	24	21	*	—		
	Bodö ...	29.83	21	E	2	b	29.98	+2.8	21	18	+2	E	4	b	1	b	21	16	*	—		
	Christiansund ...	29.80	24	ESE	2	b	29.83	+2.2	27	26	+3	ESE	4	5	4	b	27	23	*	0.08		
	Skudesnaes ...	29.72	35	SE	4	b	29.80	+0.7	31	29	-2	E	4	b	2	b	37	31	*	*		
	Sumburgh Head																					
Stornoway ...																						
Malin Head ...	29.59	40	NE	6	qbc	29.67	+0.8	41	39	+2	NE	7	bcq	5	qbc	41	38	*	—			
Blacksod Pt.† ...	29.62	41	NNE	7	cqhp	29.69	+0.9	42	38	+3	N	6	cqhp	6	cqhp	43	37	*	0.20			
Valencia ...																						
BRITISH ISLANDS.	Roche's Point ...	29.35	40	N	7	bc	29.45	+1.9	38	35	+3	N	6	bc	4	0, bc	41	35	*	0.18		
	Parsonstown ...	29.46	35	N	4	b	29.54	+1.0	35	33	0	NW	4	b	*	b	37	34	0.0	—		
	Donaghadee ...																					
	Liverpool Obsy.																					
	Holyhead ...																					
	Pembroke (St. Ann's)	29.02	35	NNE	7	0	29.16	+1.0	41	37	+5	NNE	7	oqpu	5	0	44	34	0.0	0.19		
	Scilly (St. Mary's)...	28.89	45	N	10	†	29.11	+1.0	43	43	-5	N	10	mr	6	oq, †	50	42	0.5	1.26		
	Jersey (St. Aubins)...	28.96	50	SSE	6	otg	28.86	-5.1	47	45	-2	NW	5	oqmp	4	ot, otg	51	45	0.3	0.47		
	Portland Bill ...	28.90	49	SE	2	op	28.88	-3.4	38	38	-10	N	5	c	4	0	51	38	*	0.21		
	Dungeness ...	29.90	45	S	9	†	28.86	-7.3	45	45	+3	S	5	†	5	†	45	40	*	1.08		
Wick ...																						
Nairn ...																						
Aberdeen ...																						
Leith ...																						
North Shields ...																						
Spurn Head† ...	29.19	38	E	9	†	29.07	-5.2	40	38	+2	E	7	†	6	†	43	37	*	1.80			
Yarmouth ...	29.19	40	SE	8	†gq	28.99	-6.1	44	43	+4	SE	5	og	5	†gq	44	36	*	2.53			
Loughborough ...	29.07	35	ENE	3	†	29.03	-5.1	36	36	+3	NE	5	oqcl	*	gs, dq	36	33	*	1.19			
Oxford ...	28.95	44	S	1	0	28.93	-5.0	39	39	+4	NNE	3	†	*	0	46	34	*	1.18			
London (Brixton)	28.98	46	SE	6	otq	28.88	-5.9	43	42	+6	NE	1	om	*	†q, om	46	37	0.0	0.76			
GERMANY, &c.	The Scaw (Skagen)																					
	Fanö ...																					
	Cuxhaven ...	29.75	34	SSW	3	0	29.48	-2.6	33	31	-1	SE	5	0	*	0	36	28	*	—		
	The Helder ...	29.53	37	SE	3	0	29.19	-5.2	38	37	+5	SE	3	0	3	0	38	32	*	0.20		
	Brussels† ...	*	*	*	*	*	29.11	-6.7	43	40	+11	SSE	5	0	*	0	45	32	*	*		
	Berlin ...	29.86	32	SE	2	b	29.67	-0.8	31	31	-2	SE	3	0	*	b	36	28	*	—		
	Frankfurt ...	29.65	36	S	4	0	29.50	-4.1	37	36	0	SE	2	†	*	0	41	36	*	0.16		
	Munich ...	29.73	28	SE	4	c	29.50	-4.5	31	30	0	SE	4	c	*	0	36	23	*	—		
FRANCE.	C. Gris Nez† ...	29.13	41	S	7	†	28.92	+7.0	42	42	+3	S	4	†	4	†	50	39	*	1.10		
	Brest ...	28.89	50	SW	6	†	29.04	-3.4	50	50	0	WNW	6	†	7	†	52	45	*	0.71		
	Lorient ...	28.91	48	SW	7	5	29.04	-3.7	45	45	-5	WNW	7	†	*	5	54	41	*	0.63		
	Rocheport ...	29.37	51	SW	8	†	29.43	-3.5	47	44	+1	WSW	9	c	*	†	54	45	*	0.35		
	Biarritz ...	29.51	55	SW	7	†	29.64	-2.1	45	43	-5	W	7	†	7	†	59	43	*	0.39		
	Paris ...	29.32	42	SSE	4	0	29.11	-6.9	44	40	+10	S	6	0	*	0	48	34	*	0.04		
	Belfort† ...	29.64	32	ENE	6	0	29.39	-5.6	33	33	+2	SE	2	†	*	0	35	31	*	0.32		
	Lyons† ...	29.63	43	S	5	0	29.50	-5.2	43	38	+15	SSW	2	0	*	0	47	28	*	0.12		
Nice† ...	29.91	41	NE	4	c	29.69	-2.4	41	?	-1	NE	5	†	4	c	52	39	*	?			
Perpignan† ...	29.59	56	S	6	c	29.61	-3.8	47	41	+4	NW	2	0	*	c	60	43	*	—			
SPAN. PEN.	Corunna ...																					
	Lisbon ...																					
	Azores (P. Delgada)																					

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 REPORT

FOR Friday, 13th December, 1901.

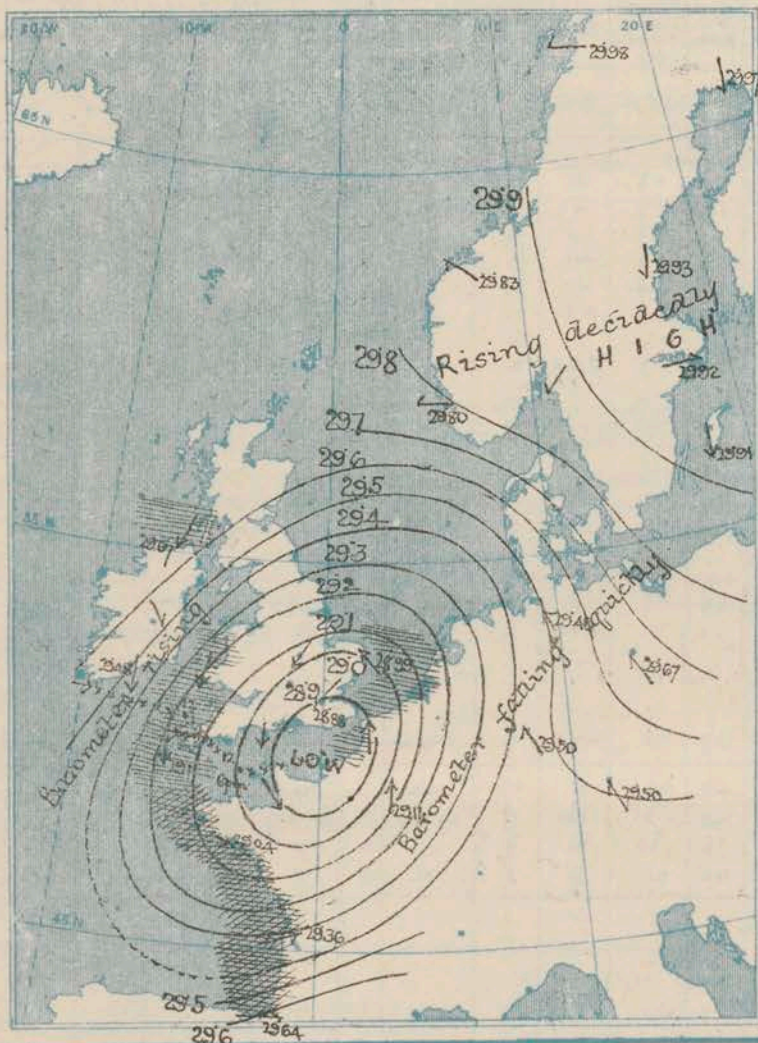
I. BAROMETER, WIND AND SEA. This Morning.

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

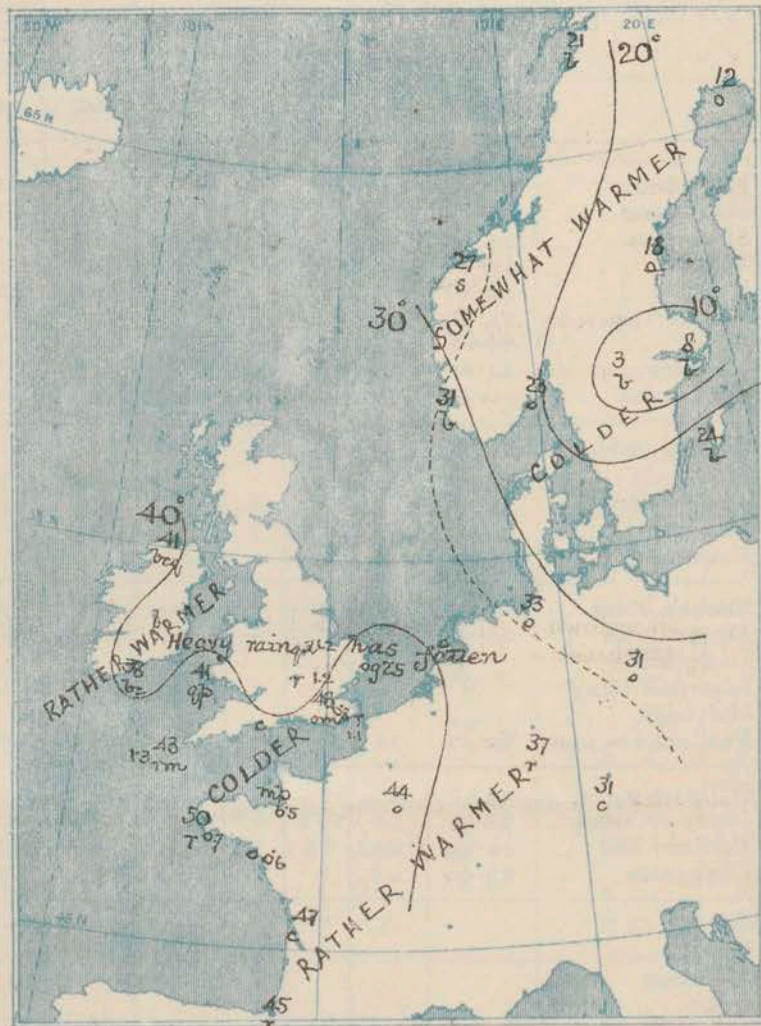


II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

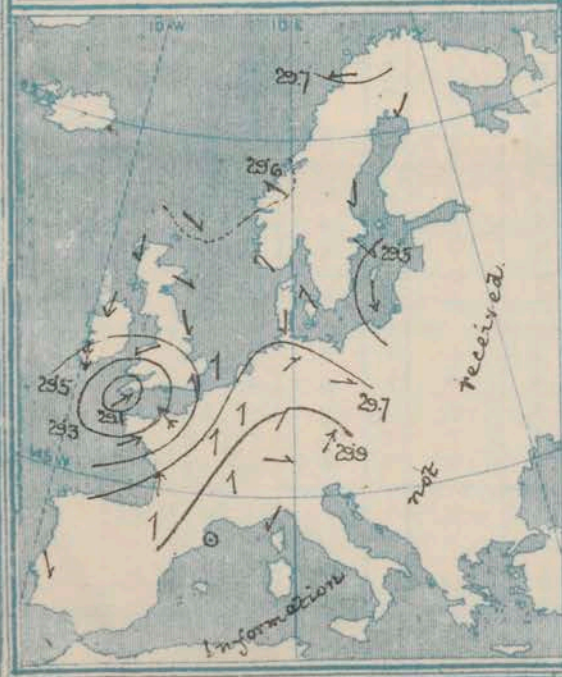
WEATHER.—Shown by Letters of the Beaufort Scale. (See P 4)

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



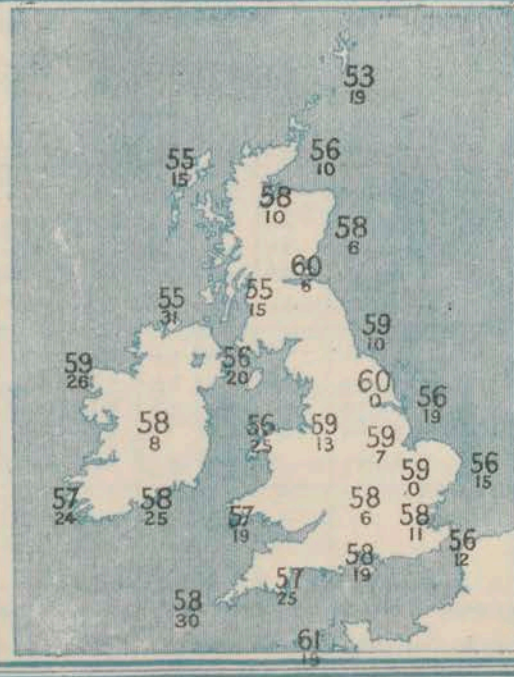
III. BAROMETER AND WIND

Yesterday morning.



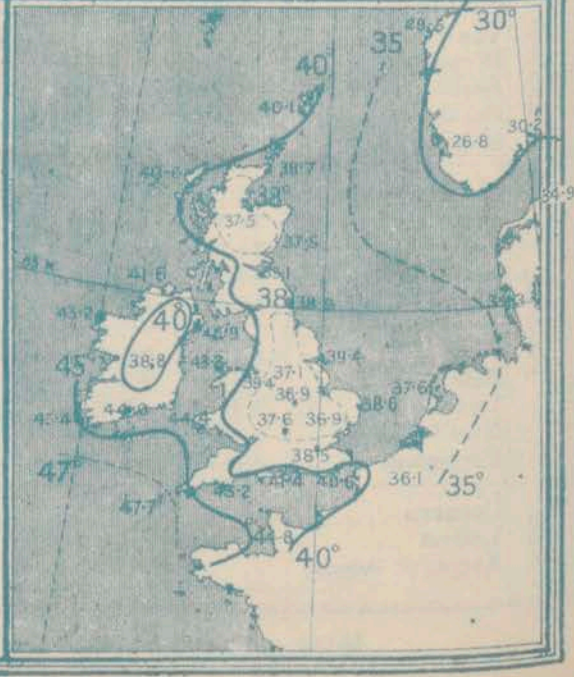
IV. EXTREMES OF TEMPERATURE in month of DECEMBER (1871-1900)

Specimen { Highest Max. 59
(for Shields) { Lowest Min. 10
Malin Head & Blacksod Belmullet Values are for only 15 Yrs



V. Means of DAILY TEMPERATURE

at 8 a.m. for the monthly period
December (1871-1900)



GENERAL SITUATION AT 8 A.M.

ADDITIONAL OBSERVATIONS MADE AT STATIONS IN THE UNITED KINGDOM

PRESSURE

The cyclonic disturbance of yesterday has moved in an irregular easterly track, its centre being now found over the eastern part of the English Channel; at Dungeness and Jersey the barometer stands at 28.86 in. reading below 28.9 in. being reported over the entire eastern half of the Channel, the neighbouring parts of France and the south-east of England. The barometer is now steady at our south-eastern stations and is apparently rising in other parts of our islands, as well as in the west of France, but is falling in Germany and the Netherlands. The highest readings 29.9 in. and less, are at present reported over Sweden and the north of Norway.

WIND

TEMPERATURE

WEATHER

AND

SEA

The reports from our northern stations are nearly all wanting. In the south of our islands and in all neighbouring parts of the Continent the wind circulates round the barometric minimum - being strong from the northward on our south-west coasts, strong to a gale from the north-westward or westward in the west of France, southerly over Central France and moderate to fresh from the south-eastward over Germany, the Netherlands and the east and south-east coasts of England. In Norway it is E. and in Sweden N.E. Temperature has risen at our western and central stations and also over the northern parts of Scandinavia, but has fallen in most other parts of our area. In France and the south of England the readings are still above the average, the highest reported being 59° at Brest and 47° at Jersey and Rochefort. Elsewhere the thermometer is apparently below the normal, slight frost being reported in Germany and severe frost in Sweden; at Karlstad the morning reading is as low as 3° F. The weather is fine in Ireland, as well as at some of the Scandinavian stations, but is cloudy in most other places from which reports are yet to hand; rain is still falling in many parts of central and southern England and also in the north-west of France. The sea is high in the Bay of Biscay and rough or rather so on most parts of our own coasts. During yesterday the thermometer rose to 50° or slightly above it in the western parts of the Channel; over the central parts of England and Ireland it did not reach 40°. At a large majority of our stations there was an entire absence of bright sunshine and in other places the amount was very small. Heavy rain fell over Central and Southern England, the largest amounts reported being 2.5 in. at Yarmouth, 1.3 in. at Scilly and 1.2 in. at Loughborough and Oxford.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The cyclonic system is likely to move away to the eastward and in its rear the wind will probably blow strongly from the northward over our southern districts, with squally showery weather and a decided reduction in temperature.

FORECASTS *

For the 24 hours ending at NOON on 14th December, 1901

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	In the absence of all our northern and most of our western reports, it is impossible to prepare detailed forecasts. Strong Northerly winds are probable over our Southern districts, with showers of cold rain, hail, or sleet.	6 { SCOTLAND WEST	
1 { SCOTLAND EAST		7 { ENGLAND N.W.	
2 { ENGLAND N.E.		8 { ENGLAND S.W.	
3 { ENGLAND EAST		9 { IRELAND NORTH	
4 { MIDLAND COUNTIES		10 { IRELAND SOUTH	
5 { ENGLAND SOUTH		WARNINGS	
		The Signals are still flying in districts 3, 5, and 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. 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	*	*	*	*	*	*	*	*	*	0	*	γ	44	35	0.0	0.48
Newton Reigny (Penrith)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Bath	28.93	47	NE 5	0	28.93	-2.5	37	36	-1	NE 4	0	0	51	35	1.1	0.54

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, 6 p.m.	36	25	0	0.0	0.07	Worthing	*	*	*	0.0	*
Birmingham, 9 p.m.	36	30	γ	0.0	0.65	Llandudno	*	*	*	0.0	*
Lowestoft, 6 p.m.	43	31	0, γ	0.0	0.74	Rhyl	*	*	*	0.0	*
Hastings	*	*	*	0.0	*	Southport, 9 p.m.	39	32	0, p, s, q	0.0	0.13
Eastbourne	*	*	*	0.0	*	Manchester, 9 p.m.	*	*	*	*	*
Brighton	*	*	*	0.0	*	Darwen, 9 p.m.	35	30	rsq	0.0	0.11

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

STATIONS.	TEMPERATURE.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal) DEC. 12	64	50	c, b	Ins.	Algiers ... DEC. 12	64	45	0, 0	Ins.
Madrid	50	29	b, c	—	Tunis	59	39	0, 0	—
Corsica (I. Sanguinaires)	59	46	f, m	—	Vienna	39	32	f, f	?
Rome	57	44	b, 0	—	St. Petersburg	28	10	f, f	0.04
Florence	54	32	b, b	—	Lugano	46	—	0	Measured 7 a.m. 11
Trieste	48	36	b, b	—	Davos	23	—	0	0.32
Brindisi	60	47	b, r	0.12	Lucerne	37	—	0	0.08
Naples	57	45	0, c	0.04	Lausanne	37	—	f	0.16
Palermo	66	55	0, 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.

DEC. 13 TH 1901.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	7.58	11.47	3.36
Greenwich	7.59	11.54	3.49
Wick	8.56	12.6	3.16
Valencia	8.43	12.35	4.27

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

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

DAILY WEATHER REPORT

for 8 a.m. on Saturday 14th December.

1901.

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.	BAROMETR.		TEMPERATURE.				WIND.		Sea (0 to 9.)	Weather.	TEMP.			Sun- shine. Hours.	Rainfall. Ins.
		At 58° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 22° Fahr. and M.S.L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)	Max.			Min.				
		Ins.					Ins.	Ins.	°	°											
SCANDINAVIA.	Haparanda ...	30.09	20	N	2	0	30.13	+1.6	14	13	+2	N	2	0	*	0	20	12	*	—	
	Hernösand ...	30.09	17	Z	0	S	30.21	+2.8	14	13	-4	Z	0	0	*	5	18	14	*	—	
	Stockholm ...	30.02	18	Z	0	0	30.06	+1.4	23	21	+15	N	2	0	*	0	23	5	*	—	
	Wisby ...	29.98	20	N	2	0	29.82	-0.9	28	27	+4	ENE	2	0	*	0	28	16	*	—	
	Karlstad ...	29.06	30	NNE	2	0	30.07	+1.2	20	19	+17	NNE	4	5	*	0	*	*	*	—	
BRITISH ISLANDS.	Færder (Xenia Fjord) ...	29.99	16	NE	4	0	30.01	+1.2	23	21	0	NNE	4	0	2	0	23	16	*	—	
	Bodö ...	30.13	21	E	4	0	30.15	+1.7	18	15	-3	E	4	0	1	0	21	16	*	—	
	Christiansund ...	29.91	26	ESE	3	0	30.11	+2.8	24	21	-3	S	4	0	4	0	28	21	*	—	
	Skudesnaes ...	29.89	33	SE	2	0	29.94	+1.4	27	27	-4	E	6	0	3	0	34	27	*	*	
	Sumburgh Head ...																				
GERMANY, &c.	Malin Head ...	29.73	41	NNE	3	bcy	29.93	+2.6	41	38	0	NNE	7	bcy	6	bcy	42	37	*	—	
	Blackod Pt. ...	29.78	44	NNE	7	bcy	29.97	+2.8	43	39	+1	NNE	7	bcy	6	bcy	44	39	*	0.15	
	Valencia ...	29.70	43	N	6	cq	29.90	+2.8	40	35	-1	NNE	7	bcy	6	bcy	44	40	4.3	—	
	Roche's Point ...	29.55	40	N	6	0	29.50	+3.5	37	34	-1	N	6	0	4	0	41	36	*	—	
	Parsonstown ...	29.62	36	NW	4	0	29.56	+3.2	34	31	-1	NW	3	0	0	0	40	34	6.0	—	
	Donaghadee ...	29.60	42	NE	7	ogqr	29.83	+3.2	41	38	0	NE	6	cqg	5	ogqr	43	37	*	—	
	Liverpool Obsy. ...																				
	Holyhead ...																				
	Pembroke (St. Ann's) ...	29.28	41	NNE	7	0	29.55	+3.9	39	37	-2	NNE	7	bcy	5	0	43	36	0.0	0.01	
	FRANCE.	Scilly (St. Mary's) ...	29.26	43	N	9	ohq	29.43	+3.2	44	42	+1	N	7	cq	7	ohq	45	40	0.2	0.92
Jersey (St. Aubins) ...		29.06	44	NW	3	ogmp	29.29	+4.3	45	42	-2	N	6	cp	5	ogmp	47	43	0.0	0.31	
Portland Bill ...		29.03	40	N	6	cg	29.32	+4.4	41	40	+3	N	6	cq	4	cq	41	38	*	0.02	
Dungeness ...		28.95	44	S	5	+	29.15	+2.9	42	41	-3	NE	5	cp	3	+	46	42	*	0.17	
Wick ...																					
Nairn ...		29.81	39	ENE	5	0	29.92	+2.2	36	35	-2	NE	3	0	3	0	39	33	*	0.22	
Aberdeen† ...		29.74	40	NE	9	0	29.86	+2.2	35	33	-2	N	4	crsq	5	0	40	33	?	0.13	
Leith ...																					
North Shields† ...		29.44	41	NE	6	ogrh	29.66	+3.0	40	36	0	NE	6	0	6	ogrh	41	36	*	0.24	
SPAN. PEN.		Spurn Head ...	29.14	42	NE	7	0	29.40	+3.3	38	37	-2	NE	8	cqr	6	0.7q	43	36	*	0.23
	Yarmouth ...	29.05	43	ESE	5	+	29.24	+2.5	42	41	-2	NNE	6	cq	5	+	44	40	*	0.22	
	Loughborough ...	29.15	40	NNE	4	+	29.44	+4.1	37	35	+1	NNE	5	bcy	*	qqr	40	36	*	0.49	
	Oxford ...	29.10	41	NE	3	+	29.37	+4.4	39	38	0	N	4	ogr	*	+	42	38	*	0.10	
	London (Brixton) ...	28.99	43	N	3	0	29.28	+4.0	41	39	-2	NE	5	0	*	cp	44	41	0.0	0.13	
	The Scaw (Skagen) ...	29.87	27	SSE	4	bc	29.86	+0.4	25	28	-3	E	6	0	2	bc	32	23	*	—	
	Fanö ...	29.53	33	ENE	9	S	29.64	-0.6	32	31	0	NE	8	0	*	S	36	32	*	0.12	
	Cuxhaven ...	29.84	33	SE	6	S	29.42	-0.6	30	29	-3	ESE	4	0	*	S	34	28	*	0.04	
	The Helder ...	29.27	41	SE	3	+	29.26	+0.7	37	36	-1	E	2	+	3	+	43	36	*	0.24	
	Brussels ...	*	*	*	*	*	29.16	+0.5	35	35	-8	SSE	3	+	*	0	44	35	*	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 SATURDAY, 14TH DECEMBER, 1901.

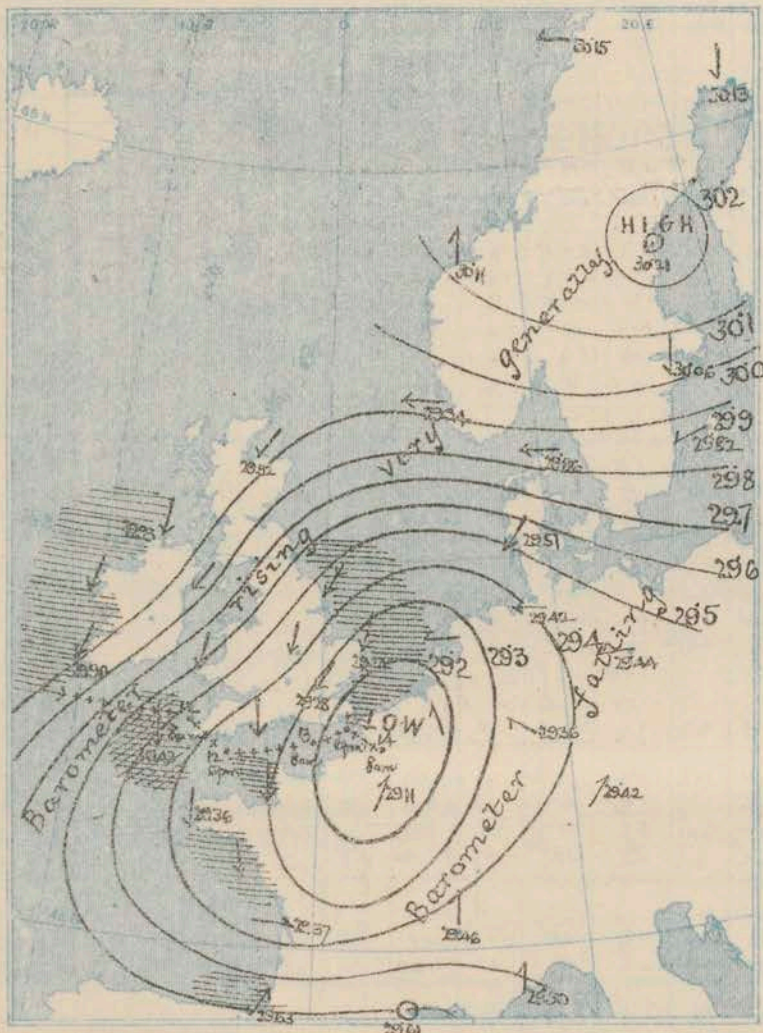
I. BAROMETER, WIND AND SEA. This Morning.

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 :

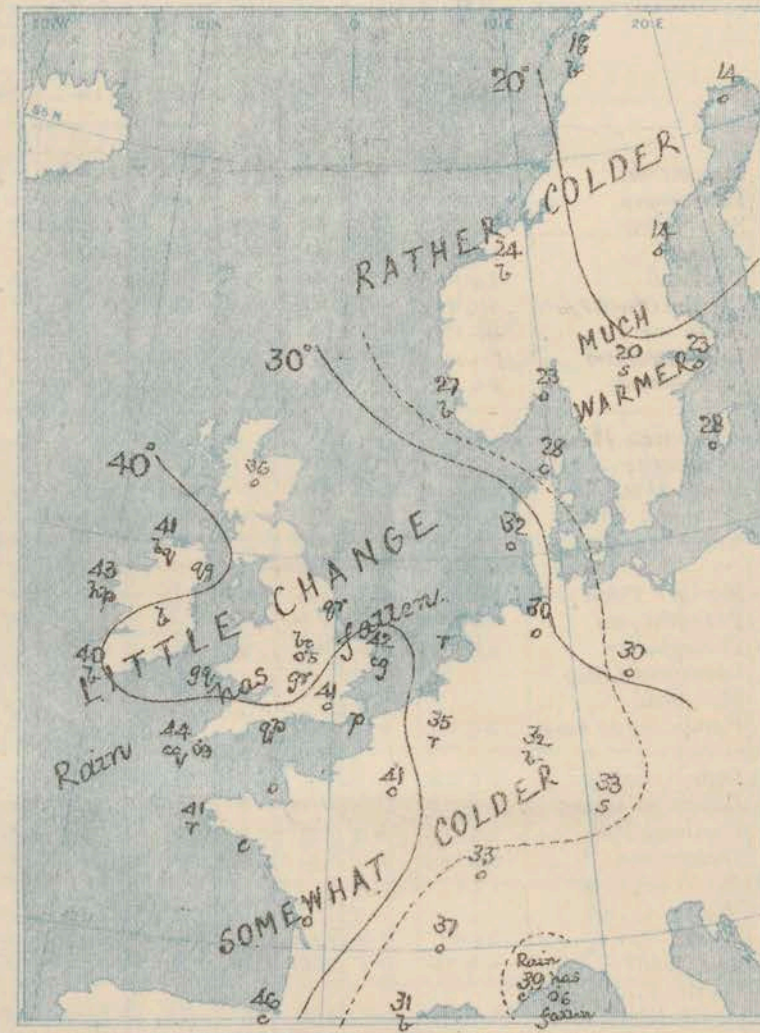


II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

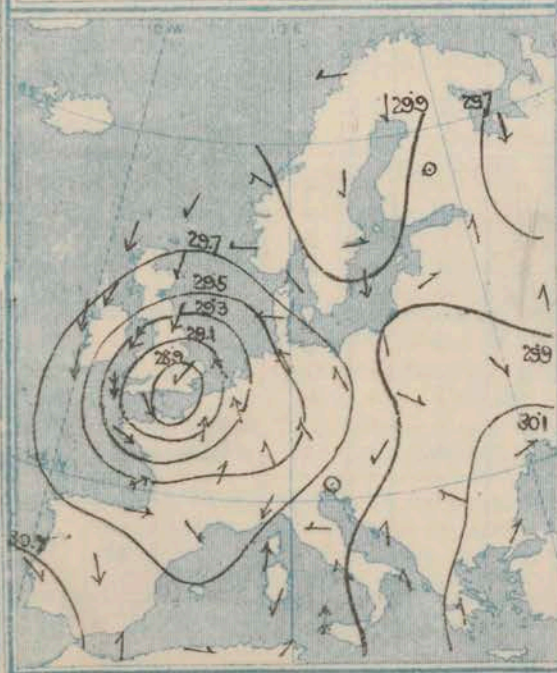
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

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



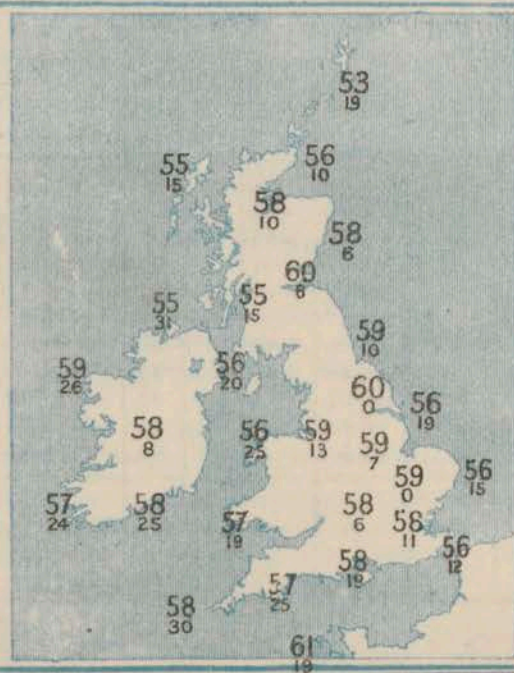
III. BAROMETER AND WIND

Yesterday morning.



IV. EXTREMES OF TEMPERATURE in month of DECEMBER (1871-1900)

Specimen { Highest Max. 59
(for Shields) { Lowest Min. 10
Malin Head & Blacksod. Belmullet Values are for only 15 Yrs.



V. Means of DAILY TEMPERATURE

at 8 am for the monthly period
December (1871-1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The cyclonic disturbance of the past few days has continued to move very slowly eastwards, its centre being situated this morning over the north-east of France. The system is however, gradually dispersing, the minimum readings of the barometer being now a trifle above 29.1 in. or more than two tenths of an inch higher than yesterday. The barometer is rising at all but the German and southern French stations and a large anticyclone, in which pressure exceeds 30.1 in. has appeared over Scandinavia, the highest reading reported being 30.21 in. at Heröesand.

WIND

TEMPERATURE

WEATHER

AND

SEA

A complete circulation of wind is in progress round the barometric minimum, its direction being E^{ly} in Denmark, North Germany and the south of Scandinavia, with a gale at Fandö, N.E^{ly} or N^{ly} over our islands and the north of France, with a slight gale on many parts of our eastern and western coasts, and S.W^{ly} or S^{ly} over South Germany and the central and southern parts of France. Temperature has changed very little in England and Ireland, but has fallen at most of the continental stations; in the south of Sweden, however, a considerable rise has occurred. Over western Europe as a whole the readings now differ but little from the average. On the south and south-east coasts of England the thermometer is a trifle above 40°, but at most of the inland stations it is below that level, while in the central parts of Ireland and Scotland it is very little above the freezing point. Frost prevails in Scandinavia, Denmark and Germany, the lowest temperatures reported being 14° at Haparanda and Heröesand and 18° at Bodö. The weather is fine in Ireland and also in the west of Norway, but is cloudy elsewhere, with rain or passing showers over England, the Netherlands and the north of France and with snow at Karlstad and Munich. The sea is rough on nearly all coasts.

The maximum temperatures recorded over our islands yesterday were below 45° in most places; at Loughborough and Parsonstown the thermometer did not exceed 40°. At most of the English stations there was a complete absence of bright sunshine; in Ireland however, the amount was rather large - as much as 6 hours at Parsonstown. Rain fell generally, the largest amount yet reported being 0.9 inch at Scilly; lightning was seen last night at Blackhead Point and Jersey.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The cyclonic disturbance will probably continue to disperse gradually, and improving weather is therefore likely over England. The anticyclone over Scandinavia appears to be increasing in intensity and extending slowly westwards and southwards; a general fall of temperature is likely to occur over these islands.

FORECASTS *

For the 24 hours ending at NOON on 15th December, 1901

DISTRICTS.

FORECASTS.

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

No forecast possible owing to want of information.

NE^{ly} & N^{ly} winds, strong at first, with squalls and showers, moderating later, and weather improving. Becoming colder.

DISTRICTS.

FORECASTS.

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

Same as Nos 0 & 1.

N^{ly} & NE^{ly} winds, moderating gradually; fair generally; colder.

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

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

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.				THIS MORNING 8 A.M.							PAST 24 HOURS.					
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.		
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	C	*	0	43	39	0.0	0.45
Newton Reigny (Penrith)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Bath	29.11	36	NNE 6	0	29.39	+4.6	39	37	+2	NE 3	C	*	0	4.1	37	0.0	0.08

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, 6 p.m.	38	32	d.	0.0	0.54	Worthing	*	*	*	0.1	*
Birmingham, 9 p.m.	37	32	+	0.0	0.29	Llandudno	*	*	*	?	*
Lowestoft, 6 p.m.	44.	39	0.7	0.0	0.84	Rhyl	*	*	*	0.0	*
Hastings	*	*	*	0.0	*	Southport, 9 p.m.	40	38	9.0	0.0	*
Eastbourne	*	*	*	0.0	*	Manchester, 9 p.m.	39	35	6.4	0.0	0.62
Brighton	*	*	*	0.0	*	Darwen, 9 p.m.	37	32	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.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal) DEC. 13	—	—	—	Ins.	Algiers ... DEC. 13	61	52	0, 0	—
Madrid	50	33	c, bc	—	Tunis	63	45	0, bc	—
Corsica (I. Sanguinaires)	59	46	m, m	—	Vienna	39	28	b, c	—
Rome	55	42	b, 0	—	St. Petersburg	—	—	s, s	0.04
Florence	46	34	b, r	0.08	Lugano ... DEC. 12	45	—	b	—
Trieste	46	34	b, 0	—	Davos	24	—	b	0.32
Brindisi	56	47	b, c	0.08	Lucerne	36	—	b	0.16
Naples	?	36	c, c	—	Lausanne	36	—	b	0.16
Palermo	67	49	s, 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.

DEC. 14 TH 1901.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	7.59	11.48	3.36
Greenwich	8.0	11.55	3.49
Wick	8.57	12.7	3.16
Valencia	8.44	12.36	4.27

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for 8 a.m. on Sunday 15th December 1901.

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STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		BAROM.		TEMP.		WIND.	Weather.	BAROMETER.		TEMPERATURE.			WIND.		Sea (0 to 9.)	Weather.	TEMP.				
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)			At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)			Max.	Min.	Sun- shine. Hours	Rainfall. Ins.	
																					Ins.
SCANDINAVIA.	Haparanda ...	30.44	11	S	6	†	30.44	+01	9	7	-5	N	2	C	*	†	19	9	*	-	
	Hernösand ...	30.15	17	Z	0	0	29.99	-22	17	16	+3	N	2	0	*	0	19	12	*	-	
	Stockholm ...	30.00	19	ENE	6	0	29.65	-41	21	20	-2	NE	8	0	*	0	34	14	*	-	
	Wisby ...	29.72	28	NE	8	5	29.34	-48	26	25	-2	ENE	9	5	*	5	36	24	*	0.28	
	Karlstad ...	29.98	19	NE	4	0	29.77	-30	18	17	-2	NE	4	0	*	0	*	*	*	-	
	Færder (X'ania Fjord)	29.98	24	NE	6	0	29.82	-19	22	?	-1	NNE	6	0	3	0	?	?	*	-	
	Bodø ...	30.03	24	E	4	0	29.92	-23	27	25	+9	E	4	0	3	0	?	18	*	-	
	Christiansund ...	30.04	21	SE	1	6	29.88	-23	21	19	-3	ESE	2	8	4	6	25	21	*	-	
	Skudesnaes ...	29.99	26	E	4	6	29.86	-08	26	25	-1	ESE	4	C	2	6	32	25	*	*	
	Sumburgh Head ...	29.99	33	NNE	3	C	29.71	-25	33	33	+1	WSW	2	0	4	S, C	36	29	*	0.05	
BRITISH ISLANDS.	Stornoway ...	30.08	36	NNE	4	6	29.77	-24	35	34	-2	WSW	3	+	4	ch, b	38	33	0.8	0.25	
	Malin Head ...	30.06	41	NNE	7	bcq	29.90	-03	41	40	0	WNW	3	og†	4	bcq	42	38	*	0.03	
	Blacksod Pt. ...	30.11	43	NE	5	bcq	30.03	+06	42	38	-1	NW	4	cp	4	bc, bcq	43	37	*	0.03	
	Valencia ...	30.05	42	NNE	6	bcq	30.10	+20	35	34	-5	NE	1	cp	4	b, bcq	43	34	6.0	0.01	
	Roche's Point ...	29.96	37	N	5	6	30.09	+29	37	35	0	NNW	3	6	3	6	40	32	*	-	
	Parsonstown ...	30.02	33	NW	1	6	30.07	+18	29	29	-5	NE	1	0	*	6	39	25	6.2	-	
	Donaghadee ...	29.96	42	NNE	6	C	29.94	+11	35	34	-6	NNW	1	SW	3	C	42	33	*	0.03	
	Liverpool Obsy. ...	29.81	35	N	4	6	29.93	+29	32	32	-3	N	1	6	1	6	39	30	*	-	
	Holyhead ...	29.88	40	NE	7	qc	29.93	+26	40	36	-1	NE	2	C	2	cp	41	36	*	-	
	Pembroke (St. Ann's) ...	29.78	39	NNE	5	C	29.97	+42	36	34	-3	NNE	3	bcw	3	crs	43	34	2.0	0.02	
GERMANY, &c.	Scilly (St. Mary's) ...	29.72	41	NE	6	cp	29.96	+53	41	38	-3	NNE	5	cp	5	cp	46	37	0.2	0.03	
	Jersey (St. Aubins) ...	29.53	43	NW	5	og	29.89	+60	40	37	-5	NW	5	ogp	4	ogp	44	39	1.6	0.33	
	Portland Bill ...	29.59	39	N	4	0	29.91	+59	33	32	-8	N	5	6	3	0	42	32	*	0.01	
	Dungeness ...	29.36	40	NNE	6	†	29.76	+61	35	33	-7	N	4	C	3	†	43	33	*	0.18	
	Wick ...	29.97	38	ENE	2	bc	29.75	-18	33	33	-5	WNW	1	S	3	bc	40	28	*	0.03	
	Nairn ...	30.00	36	NNW	2	bc	29.80	-12	34	33	-2	WNW	2	0	3	bc	39	31	*	0.22	
	Aberdeen ...	29.96	33	NNW	2	bc	29.81	+05	32	30	-3	SW	2	og	3	bc	38	30	0.9	0.05	
	Leith ...	29.93	34	NNE	3	6	29.83	+01	33	32	-3	W	2	6	*	bc, b	39	31	*	0.05	
	North Shields ...	29.81	39	NNE	5	6	29.84	+18	33	33	-7	NW	2	cp	4	C, b	40	29	*	-	
	Spurn Head ...	29.61	39	NNE	8	C	29.80	+40	37	34	-1	NNE	5	C	5	C	41	32	*	0.02	
FRANCE.	Yarmouth ...	29.42	41	NNE	7	ogp	29.74	+50	35	34	-7	N	6	ogp	5	0	43	33	*	0.36	
	Loughborough ...	29.67	36	NNE	6	0	29.90	+46	28	28	-9	WNW	1	C	*	cp, p	38	28	*	0.02	
	Oxford ...	29.67	37	N	4	0	29.91	+54	30	28	-9	NNW	2	6	*	ogp, 0	39	30	*	0.01	
	London (Brixton) ...	29.49	40	NNE	5	cp	29.88	+60	33	32	-8	NW	2	0	*	ogp, b	42	32	0.0	0.02	
	The Scaw (Skagen) ...	29.83	27	ENE	6	S	29.73	-13	25	25	-3	NE	6	0	2	S	28	23	*	0.08	
	Fanø ...	29.61	27	N	6	C	29.65	+11	24	23	-8	N	4	0	*	C	34	24	*	-	
	Cuxhaven ...	29.45	33	NE	2	0	29.56	+14	29	29	-1	N	5	0	*	0	34	27	*	-	
	The Helder ...	29.40	37	ENE	8	0	29.65	+39	35	34	-2	NE	3	bc	3	0	39	34	*	0.20	
	Brussels ...	*	*	*	*	*	29.65	+49	33	32	-2	NNE	3	0	*	†	37	31	*	0.24	
	Berlin ...	29.36	36	S	2	†	29.42	+06	37	37	+5	W	1	†	*	†	37	32	*	0.28	
SPAN. PEN.	Munich ...	29.44	33	SW	4	6	29.49	+07	33	31	0	SW	5	C	*	6	36	30	*	0.04	
	C. Gris Nez ...	29.33	40	NE	7	†	29.74	+58	36	36	-3	NNE	7	0	7	†	45	34	*	0.95	
	Brest ...	29.60	45	N	3	0	29.91	+55	41	36	0	N	3	C	3	0	48	39	*	0.16	
	Lorient ...	29.59	44	NNE	5	bc	29.88	+56	38	38	-3	N	5	C	4	bc	50	37	*	-	
	Rochefort ...	29.61	46	NW	4	6	29.86	+42	43	41	-2	N	4	0	*	6	48	41	*	-	
	Biarritz ...	29.66	50	W	6	†	29.84	+21	43	43	-3	WSW	4	†	4	†	50	43	*	0.67	
	Paris ...	29.34	39	NNW	2	0	29.67	+56	36	34	-5	N	4	0	*	0	43	36	*	0.16	
	Belfort ...	29.38	36	SW	7	†	29.52	+18	33	33	0	S	6	†	*	†	39	33	*	0.04	
	Lyons ...	29.53	40	SSW	5	0	29.71	+25	36	35	-1	S	1	0	*	0	41	35	*	0.04	
	Nice ...	29.59	40	W	5	6	29.65	+15	40	34	+1	SW	3	6	4	6	46	37	*	-	
SPAN. PEN.	Perpignan ...	29.66	41	Z	0	6	29.78	+17	39	34	+8	SW	2	6	*	6	53	31	*	-	
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
SPAN. PEN.	Lisbon ...	29.93	47	WNW	1	6	29.92	+02	36	36	-11	NNE	1	f	*	6	54	36	*	-	
	Azores (P. Delgada) ...	30.10	57	NE	4	bc	30.27	+47	55	49	-7	ENE	3	0	3	bc	66	54	*	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 Sunday 15th December, 1901.

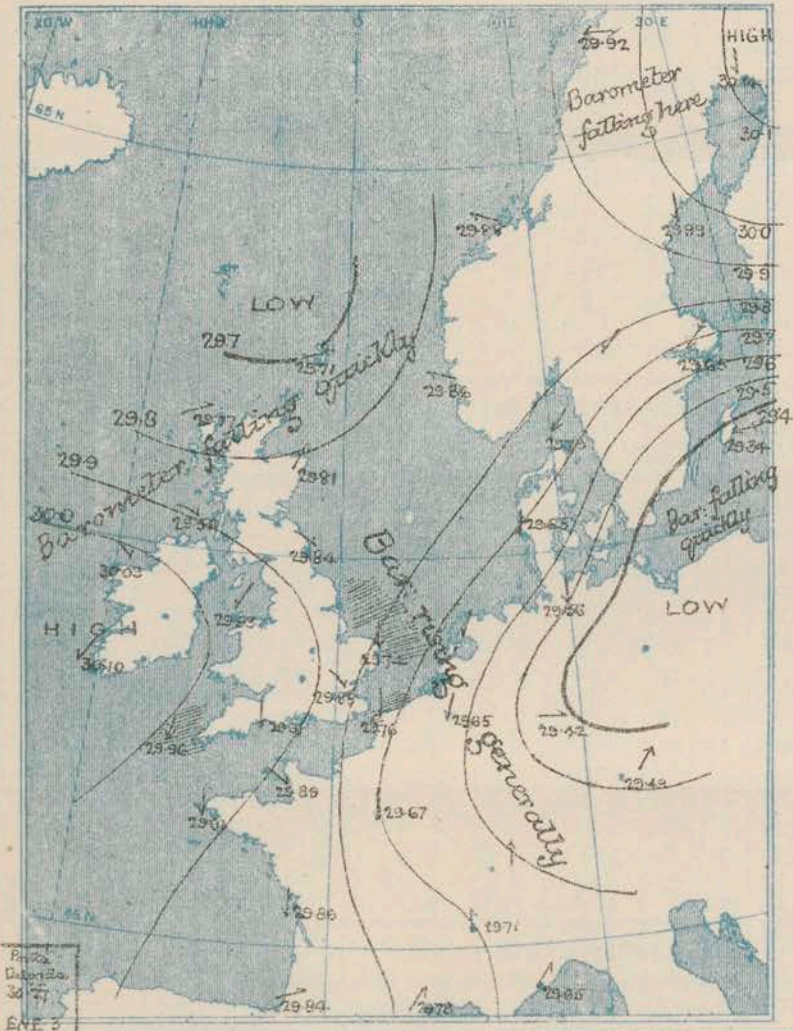
I. BAROMETER, WIND AND SEA. *This Morning.*

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

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

Force above 10 $\rightarrow \rightarrow$: Force 5 to 7 \rightarrow :
Force 8 to 10 $\rightarrow \rightarrow$: Force 1 to 4 \rightarrow : } Calm ☉

SEA.—*Rough* : *High*

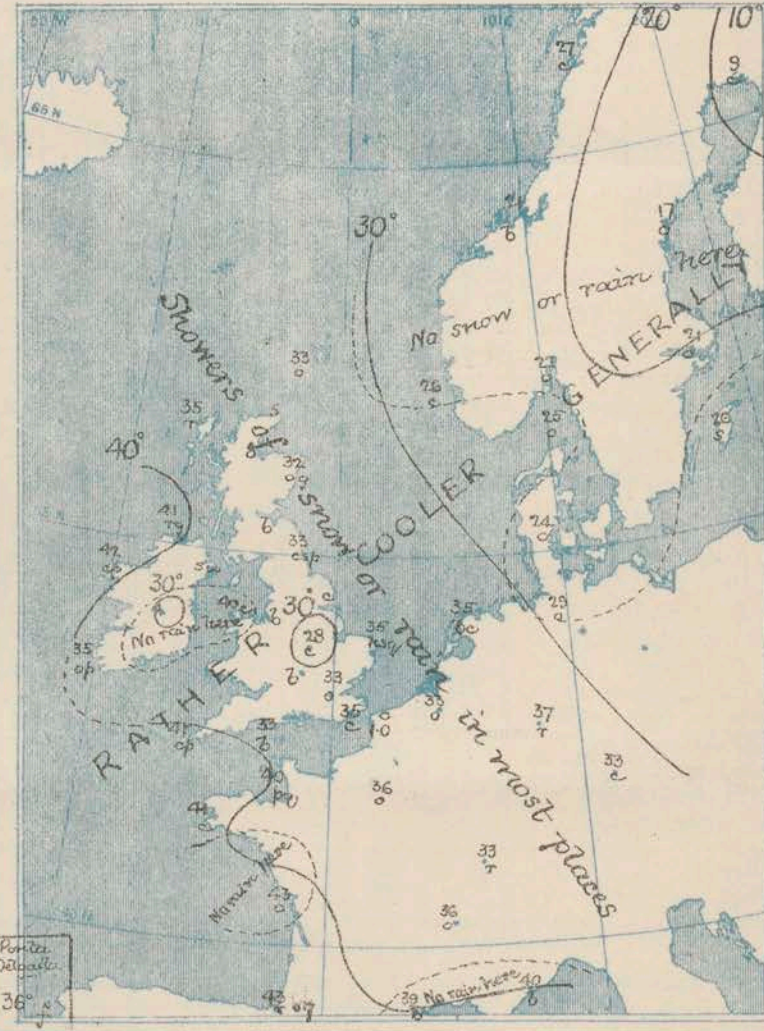


II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

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

RAINFALL.—*A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6*



III. BAROMETER AND WIND

Yesterday morning.

IV. EXTREMES OF TEMPERATURE

in month of DECEMBER (1874-1900)

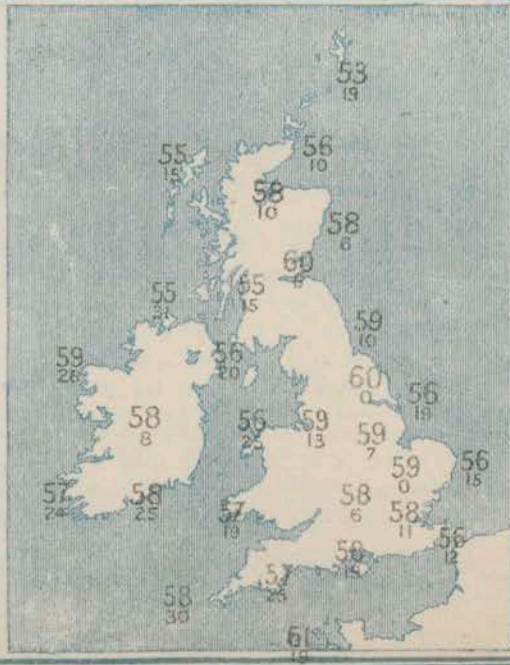
Specimen	{	Highest Max.	59
(for Shields)		Lowest Min.	10

Malin Head & Blacksod Belmullet Values are for only 15 Yrs.

V. Means of DAILY TEMPERATURE

at 8 am. for the monthly period

December (1871-1900.)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The barometer is highest (1) 30.1 ins. and upwards in Lapland, and (2) 30.0 ins. and upwards in Ireland. It is lowest 29.3 ins. over the Baltic, but is below 29.7 ins. in a disturbance lying to the northward of Scotland. Gradients are steep in the south of Sweden, moderate to slight elsewhere. The barometer is falling rather quickly on our northern coasts and also in the southwest of Sweden but is rising in most other regions.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind has backed to the W^d in Scotland and to the NW^d in the northern districts of Ireland and England, but over the other parts of the United Kingdom and also in the north and west of France it continues N^W. It is very light in force at most of our stations but blows freshly or strongly on parts of our southern and eastern coast. Over Sweden it is mainly N^W and blows with the force of a gale both at Stockholm and Helsingfors. Temperature has fallen very quickly. Over Scandinavia and Denmark it is many degrees below the freezing point the lowest reading being 9° at Färslanda. Over our Islands the readings vary from 42° at Blackhead Point and 41° at Scilly to 32° at Aberdeen and to 29° or 28° over the central parts of Ireland and England. These values are several degrees below the mean. The weather is fine and bright at a few stations, but cloudy or dull generally, with rain at Biarritz, Belfort, and Stornoway, passing showers in the west of Ireland and snow at Donaghadee, Wick, Yarmouth and also at Helsingfors. The sea is rather rough at Scilly, Spurn Head, and Yarmouth.

During the past 24 hours rain or snow has fallen in most parts of our Islands, France, and Germany, the amounts being large at Cape Gris Nez and Biarritz. The maximum temperatures were below 40° in many parts of Great Britain, and below 32° over Norway and Sweden. A considerable amount of bright sunshine was recorded yesterday at some northwestern and western stations, but very little elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS *

For the 24 hours ending at NOON on 16th December 1901

DISTRICTS.

FORECASTS.

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

NONE ISSUED

DISTRICTS.

FORECASTS.

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

NONE ISSUED

WARNINGS

At 9.40 am yesterday to districts 0, 6, and part of 9, "HIGHEST 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 8 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	41	32	0.3	0.23
Newton Reigny (Penrith)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Bath	29.62	36	N. 6	bc	29.91	+ .52	32	30	-7	N. 3	b	*	bc	40	31	1.6	-

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, 6 p.m.	38	33	o, c	0.4	0.13	Worthing	*	*	*	0.8	*
Birmingham, 9 p.m.	37	34	o, c	0.0	0.2	Llandudno	*	*	*	1.5	*
Lowestoft, 6 p.m.	*	*	*	*	*	Rhyl	*	*	*	*	*
Hastings	*	*	*	*	*	Southport, 9 p.m.	40	32	o, p, b, v	3.5	-
Eastbourne	*	*	*	*	*	Manchester, 9 p.m.	40	29	o, s, o, b	0.0	-
Brighton	*	*	*	*	*	Darwen, 9 p.m.	36	30	o, s, b, v	0.0	-

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

STATIONS.	TEMPERATURE.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal) DEC. 14	63	50	c, o	Ins.	Algiers ... DEC. 14	66	52	c, bc	0.20
Madrid	48	28	f, o	—	Tunis	63	41	o, c	0.16
Corsica (I. Sanguinaires)	59	46	m, m	0.16	Vienna	41	36	o, o	—
Rome	59	51	r, o	0.71	St. Petersburg	19	3	s, s	—
Florence	53	43	r, o	1.58	Lugano ... DEC. 13	34	—	s	Measured 7 a.m. 13
Trieste	57	45	r, o	0.67	Davos	34	—	o	—
Brindisi	60	51	o, r	0.24	Lucerne	36	—	c	—
Naples	59	57	o, o	0.71	Lausanne	34	—	r	?
Palermo	57	51	o, c	0.20					

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.

DEC. 15, 1901.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	8.0	11.48	3.36
Greenwich	8.1	11.55	3.49
Wick	8.58	12.7	3.16
Valencia	8.45	12.36	4.27

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

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

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

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom Sixpence in addition to the cost of the inquiry and reply Telegrams. Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 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, 16th December, 1901.*

Issued by the Meteorological Office, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)						THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		BAROM.		TEMP.		WIND.		BAROMETER.		TEMPERATURE.				WIND.		Sea (0 to 9.)	Weather.	TEMP.		Sun- shine. Hours	Rainfall. Ins.	
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather.	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)	Weather.	Max.			Min.				
																			Ins.			Ins.	°	°	Hours	Ins.
SCANDINAVIA.	Haparanda †	30.10	7	N	2	b	30.02	-12	-2	-1	-11	ENE	2	0	*	b	12	-8	*	-		
	Hernösand †	29.78	17	N	4	o	29.65	-34	16	15	-1	N	6	0	*	o	19	16	*	0.04		
	Stockholm †	29.40	21	NE	6	s	29.47	-18	21	20	0	NE	4	0	*	s	21	18	*	0.04		
	Wisby †	29.23	28	NE	9	s	29.42	+08	26	23	0	N	8	0	*	s	22	21	*	0.38		
	Karlstad †	29.71	18	NNE	8	o	29.71	-06	15	14	-3	NNE	4	3	*	o	*	*	*	-		
	Färder (X'iania Fjord)	29.75	23	N	6	o	29.75	-07	22	20	0	N	5	0	2	o	25	19	*	-		
	Bodö †	29.93	22	E	2	b	29.91	-01	19	17	-2	E	4	3	1	b	27	16	*	-		
	Christiansund	29.79	21	ESE	2	bc	29.75	-13	19	18	-2	SE	3	3	4	bc	21	19	*	-		
BRITISH ISLANDS.	Skudesnaes	29.75	26	E	4	b	29.72	-14	24	23	-2	SE	4	3	3	b	27	23	*	-		
	Sumburgh Head	29.43	35	S	2	r	29.51	-20	35	34	+2	Z	0	0	3	S, r	36	33	*	0.27		
	Stornoway	29.40	36	SW	2	od	29.60	-17	38	37	+3	N	4	3	4	r, od	39	33	0.0	0.37		
	Malin Head †	29.48	42	W	4	r	29.58	-32	40	40	-1	E	5	0	*	o, r, g	43	38	*	0.48		
	Blacksod Pt.	29.63	46	W	5	o	29.54	-49	44	42	+2	?	?	gpm	5	om, p	46	41	*	0.23		
	Valencia...	29.78	45	W	5	o	29.43	-67	45	42	+10	N	6	0	5	o, p, g	48	35	0.0	0.31		
	Roche's Point	29.71	40	W	3	b	29.40	-69	39	37	+2	N	4	3p	3	o, b	41	36	*	0.12		
	Parsonstown	29.67	37	SW	2	r	29.41	-68	36	35	+7	SW	1	om	*	o, r	40	29	0.0	0.11		
GERMANY, &c.	Donaghadee	29.60	36	WSW	2	c	29.51	-43	41	40	+6	S	5	0	5	e, p	43	34	*	0.38		
	Liverpool Obsy.	29.67	33	S	2	o	29.48	-45	34	34	+2	ESE	3	0	*	o, e, p	36	31	*	0.16		
	Holyhead	29.69	39	W	4	d, g, m	29.39	-54	38	37	-2	SE	2	om	1	r, d, g, m	40	35	*	0.60		
	Pembroke (St. Ann's)	29.76	39	WSW	4	r	29.34	-66	39	38	+3	E	4	r, g	3	r	46	34	0.3	0.64		
	Scilly (St. Mary's)...	29.87	44	NW	4	o, p	29.24	-72	42	40	+1	NNW	5	o, p	4	c, o, p	45	38	1.7	0.29		
	Jersey (St. Aubins)...	29.87	39	NW	3	o, g	29.52	-37	41	38	+1	SE	5	3c	4	schp, g	42	35	2.8	0.07		
	Portland Bill	29.85	38	NW	3	3c	29.41	-50	43	42	+10	S	6	cp	5	3c	43	33	*	0.07		
	Dungeness	29.81	30	N	2	3c	29.60	-16	38	35	+3	SSW	4	o, r, sp	3	3, 3c	38	28	*	0.03		
FRANCE.	Wick	29.45	35	WNW	2	o	29.56	-19	29	29	-4	WNW	1	3c	1	o, s, o	37	28	*	0.04		
	Nairn	29.45	35	Z	0	3	29.59	-21	31	31	-3	Z	0	c	1	3	36	24	*	-		
	Aberdeen	29.53	33	SSW	1	3c	29.58	-23	25	24	-7	W	2	3c, m	2	3c	34	24	0.6	-		
	Leith	29.59	34	W	3	o	29.54	-29	31	?	-2	Z	0	f	*	o	36	29	*	0.01		
	North Shields	29.60	33	S	3	S	29.54	-36	33	33	0	Z	0	o, f	3	S	34	30	*	0.09		
	Spurn Head	29.69	34	WSW	4	o	29.55	-26	33	33	-4	SE	4	o	4	o, s	37	31	*	-		
	Yarmouth	29.74	33	WNW	3	cm	29.59	-15	33	32	-2	SSW	1	cm	4	e, cm	37	30	*	0.08		
	Loughborough	29.76	33	SSW	3	o	29.53	-37	32	32	+4	SE	2	o, g, s	*	3c, o, sp	36	28	*	0.02		
SPAN. PEN.	Oxford	29.75	33	W	2	o	29.53	-38	35	34	+5	SSE	3	o, sp	*	3, o	37	30	*	0.02		
	London (Brixton)	29.81	32	WNW	1	3m	29.57	-31	34	32	+1	Z	0	o, g, m	*	3c, 3m	37	31	1.4	-		
	The Scaw (Skagen)	29.69	23	NE	4	S	29.73	0	23	23	-2	NE	3	e	1	S	27	21	*	-		
	Fanö	29.72	19	N	2	3	29.78	+12	18	17	-6	Z	0	c	*	3	25	?	*	-		
	Cuxhaven	29.67	28	NNE	3	o	29.78	+22	25	24	-4	E	1	o	*	o	30	21	*	-		
	The Helder	29.72	32	SSW	1	o	29.69	+04	33	31	-2	S	1	S	0	o	37	28	*	0.28		
	Brussels...	*	*	*	*	*	29.75	+10	28	27	-5	SSE	2	o	*	3	35	26	*	-		
	Berlin	29.57	29	WNW	4	o	29.79	*	27	22	*	WNW	2	o	*	o	32	25	*	0.08		
SPAN. PEN.	Frankfurt	29.79	31	N	2	o	29.83	+41	26	25	-11	E	2	3	*	o	37	26	*	0.04		
	Munich	29.69	32	W	5	S	29.79	+30	27	27	-6	Z	0	o	*	S	33	25	*	0.08		
	C. Gris Nez	29.80	34	NNE	4	c	29.67	-07	33	32	-3	S	3	o	3	c	43	32	*	0.16		
	Brest	29.91	38	N	1	o	29.40	-51	45	43	+4	SW	5	o	5	o	45	37	*	0.04		
	Lorient	29.89	41	NNW	5	c	29.49	-39	44	44	+6	SW	6	r	*	c	48	38	*	0.04		
	Rochefort	29.93	40	NE	3	3	29.75	-17	39	37	-4	S	4	o	*	3	45	36	*	-		
	Biarritz	29.88	45	WSW	5	r	29.75	-09	38	38	-5	WSW	3	r	2	r	46	37	*	1.18		
	Paris	29.84	34	NW	2	c	29.72	+05	31	31	-5	SSE	2	o	*	c	40	27	*	-		
SPAN. PEN.	Belfort	29.75	31	WSW	4	S	29.76	+24	27	26	-6	ENE	3	c	*	S	37	26	*	0.04		
	Lyons	29.85	37	NNW	1	o	29.80	+09	31	31	-5	S	1	o	*	o	42	31	*	0.04		
	Nice	29.70	42	W	4	3	29.74	+09	35	30	-5	E	4	3c	?	3	?	?	*	-		
	Perpignan	29.86	44	N	1	o	29.76	-02	36	36	-3	Z	0	o	*	o	51	32	*	-		
SPAN. PEN.	Corunna	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Lisbon	29.88	43	N	4	3	29.75	-17	41	37	+5	N	4	3	*	3	48	36	*	-		
	Azores (P. Delgada)	30.34	55	ENE	4	3c	30.28	+01	53	49	-2	N	3	c	2	3c	61	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 Monday 16th December, 1901.

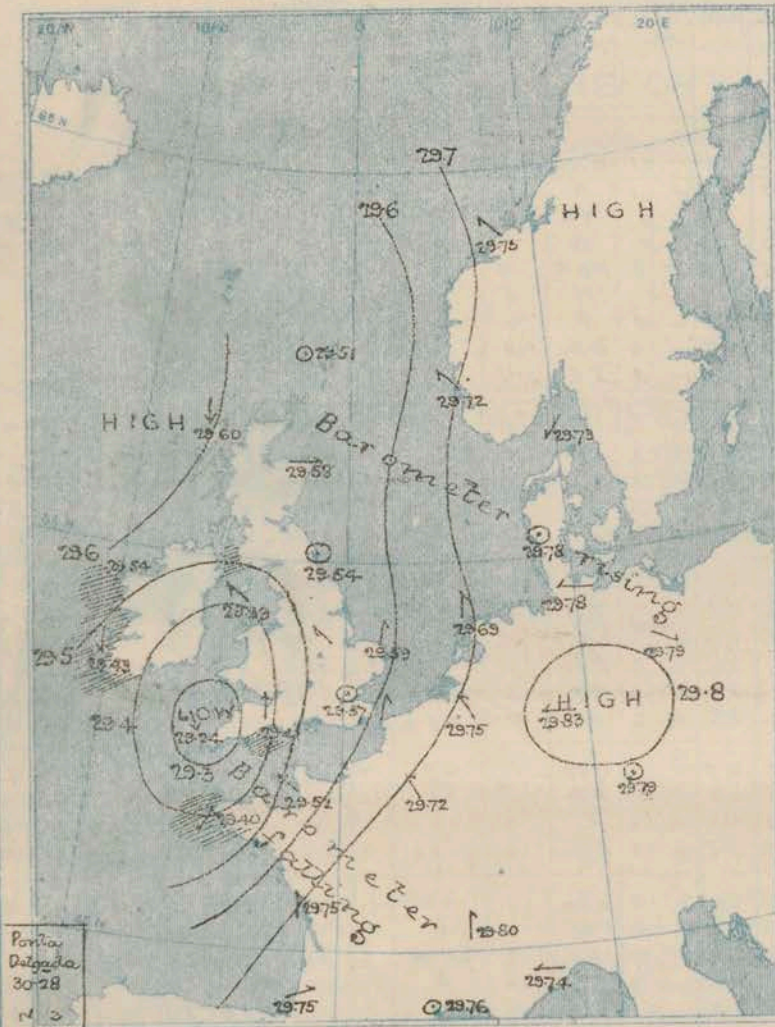
I. BAROMETER, WIND AND SEA. This Morning.

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

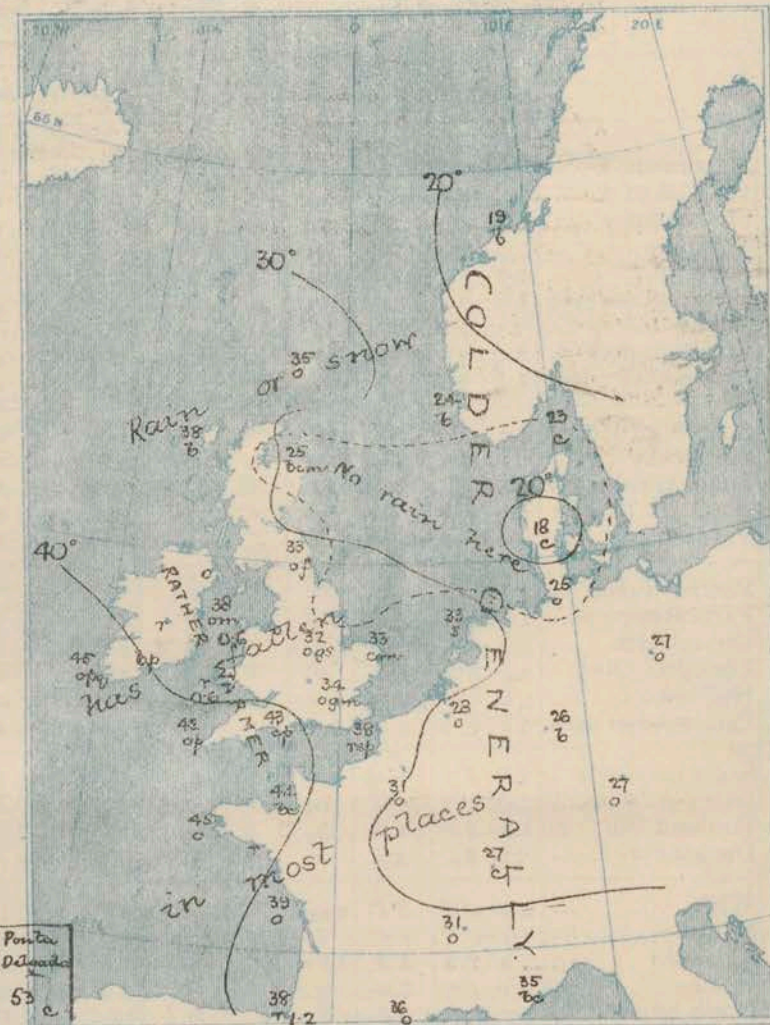


II. TEMPERATURE AND WEATHER. This Morning.

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

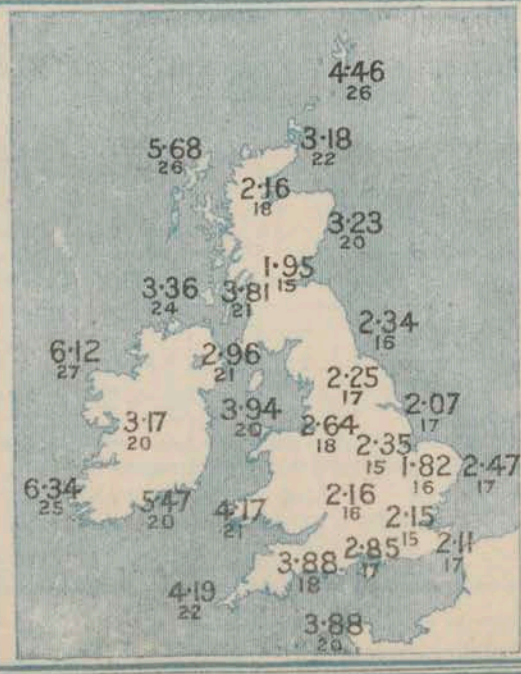
Yesterday morning.



IV. Average RAINFALL and NUMBER OF RAIN DAYS in month of DECEMBER (1871-1900)

Specimen { RAINFALL 2.34
(for Shields) { RAIN DAYS 16

Malin Head & Blacksod & Belmullet Values are for only 15 Yrs.



V. Means of DAILY TEMPERATURE

at 8 am for the monthly period

December (1871-1900.)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The barometer is lowest, 29.3 ins. and less, in a well defined but not deep cyclonic disturbance which has appeared over our extreme southwestern coasts and the Bristol Channel, while the highest readings, 29.8 ins. and upwards, are found over Germany. Gradients are moderate in the west, slight elsewhere. The barometer is still falling in the south-west, but rising on our northern and eastern coasts and also in Germany.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind circulates round the disturbance noted above, being moderate from the E^d in Wales, fresh from the N^d in the south of Ireland and at Scilly, but fresh from S. at Portland Bill, and light from the SE^d over eastern and central England. Over Iran the wind is mainly SW^{ly} and moderate to fresh in force while in Scotland and Germany it is light and variable. Temperature has risen decidedly in the southwest of Ireland and on the southern coast of England and a few degrees over central England also. Over France and Germany and on our eastern coasts it has fallen. The readings are below the normal in almost all districts, but differ very little from that value in the southwest. Over our Islands they range from 45° at Valencia and 44° at Jersey to 33° on the east coast of England and to 25° at Aberdeen. Over Norway, Denmark, Germany and central France temperature is below the freezing point. The weather is rainy in the south of Ireland and the southwest of England as well as at Lorient and Biarritz; over central and southeastern England snow is falling and in most other places the sky is overcast. The sea is rather rough at some western stations and at Portland Bill, moderate to smooth elsewhere.

Since yesterday morning rain or snow has fallen in almost all parts of our Islands and also in France and Germany. At Biarritz as much as 1.18 ins. of rain has been recorded. Temperature rose to 45° or 46° at some of our southwestern stations, but did not exceed 36° or 37° in the east and southeast. A good deal of bright sunshine was recorded on our southern and southeastern coasts, very little elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The disturbance in the southwest appears likely to move SE^d over France. N^{ly} and E^{ly} winds are probable over our Islands generally, with low temperature and sleet or snow in places.

FORECASTS *

For the 24 hours ending at NOON on 17th December

1901

DISTRICTS.

FORECASTS.

0	{ SCOTLAND NORTH	No forecast possible owing to absence of information.
1	{ SCOTLAND EAST	
2	{ ENGLAND N.E.	Wind shifting to the E ^{wa} ; cold, dull, sleet or snow showers in places.
3	{ ENGLAND EAST	
4	{ MIDLAND COUNTIES	
5	{ ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	{ SCOTLAND WEST	Same as Nos. 0 and 1.
7	{ ENGLAND N.W.	SE ^{ly} to E ^{ly} and NE ^{ly} winds; cold, dull, some snow.
8	{ ENGLAND S.W.	Wind shifting to SE and E. or NE, fresh or strong in places; cold, rainy, snow in some localities.
9	{ IRELAND NORTH	N ^{ly} and NE ^{ly} winds; cold, rain or sleet showers in places.
10	{ IRELAND SOUTH	N ^{ly} winds, moderate or fresh, cold, changeable, some rain or sleet.
WARNINGS		At 7.10 pm. yesterday to part of district 10. Hoist SOUTH CONE. At 11.15 am to day to districts 0 & 1 and parts of 9 & 10. 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	*	*	*	*	*	*	*	*	*	*	3c	*	3	37	29	5.0	—
Newton Reigny (Penrith)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Bath	29.82	35	NE 1	c	29.44	-.47	37	36	+ 5	E 2	c	*	c	38	32	4.8	0.02

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, 6 p.m.	36	28	c	1.8	0.01	Worthing	*	*	*	5.6	*
Birmingham, 9 p.m.	35	27	s	0.4	—	Llandudno	*	*	*	0.0	*
Lowestoft, 6 p.m.	*	*	*	*	*	Rhyl	*	*	*	*	*
Hastings	*	*	*	5.1	*	Southport, 9 p.m.	*	*	*	0.9	*
Eastbourne	*	*	*	4.3	*	Manchester, 9 p.m.	*	*	*	*	*
Brighton	*	*	*	5.4	*	Darwen, 7 p.m.	36	25	sg	0.6	0.12

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

STATIONS.	TEMPERATURE.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal) DEC. 15				Ins.	Algiers ... DEC. 15				Ins.
Madrid					Tunis...			Information	
Corsica (I. Sanguinaires)					Vienna			not arrived.	
Rome			Information		St. Petersburg...				
Florence					Lugano ... DEC. 14	1 p.m.			Measured 7 a.m. 14
Trieste			not		Davos	37	—	0	0.95
Brindisi...					Lucerne	25	—	5	0.20
Naples			arrived.		Lausanne	36	—	bc	0.04
Palermo						34	—	0	0.67

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.

	DEC. 16 1901.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	8.1	11.49	3.36	
Greenwich	8.2	11.56	3.49	
Wick	9.0	12.8	3.15	
Valencia	8.46	12.37	4.27	

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

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

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

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

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom Sixpence in addition to the cost of the inquiry and reply Telegrams. Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 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, 17th December, 1901.

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.		Sun- shine.		Rainfall.			
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 19.)	Weather.	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Max.	Min.	Hour.	Ins.			
																					Ins.	Ins.	°
SCANDINAVIA.	Haparanda	29.86	12	NE	4	S	29.84	-18	12	12	+14	ENE	2	c	5	12	-13	0.04					
	Hernösand	29.68	13	N	2	0	29.68	+03	5	3	-11	Z	0	3	0	19	5	-					
	Stockholm	29.73	12	W	2	8	29.82	+35	4	4	-17	WSW	2	3	3	21	4	-					
	Wisby	29.74	28	NNW	6	0	29.87	+45	23	21	-3	WNW	6	0	0	36	19	-					
	Karlstad	29.82	11	N	2	0	29.75	+04	4	4	-11	NE	1	0	0	1	19	-					
	Färder (X'landia Fjord)	29.80	18	SW	2	3	29.64	-11	24	22	+2	NW	1	c	3	24	16	-					
	Bodö	29.30	21	NE	5	8	29.56	-35	18	17	-1	NE	6	3	0	21	14	-					
	Christiansund	29.58	23	E	3	3	29.15	-60	35	32	+16	S	6	0	5	35	18	-					
	Skudesnaes	29.80	28	SSW	6	3c	29.43	-29	41	40	+17	SSW	9	0	6	32.09	41	23	-				
	BRITISH ISLANDS.	Sumburgh Head	29.56	38	WNW	2	0	29.00	-51	33	33	-2	NW	5	r	6	3c.0	38	32	0.16			
Stornoway		29.69	33	Z	0	3c	29.30	-30	41	40	+3	NW	5	rg	5	3c.0	43	30	0.10				
Malin Head †		29.73	40	E	2	3c	29.51	-07	44	44	+4	W	6	0	3c	44	35	0.05					
Blacksod Pt. †		29.74	43	NNE	2	3	29.74	+20	45	42	+1	W	5	c	4	3c.3	45	35	0.02				
Valencia...		29.67	43	NNE	5	c	29.82	-39	32	31	-13	NE	1	3	4	3c.7	46	32	0.02				
Roche's Point		29.60	43	NE	4	c	29.80	+40	38	37	-1	N	3	3m	3	c	44	37	-				
Parsonstown		29.72	38	NW	1	0	29.78	+37	26	26	-10	E	1	c	3c.0p	40	26	0.01					
Donaghadee		29.69	40	NE	2	3c	29.65	+14	35	34	-6	W	2	aga	2	3c	42	31	-				
Liverpool Obsy.		29.71	35	E	1	0	29.72	+24	36	35	+2	S	2	...	1	c	37	31	0.01				
Holyhead		29.86	37	E	2	3	29.73	+34	41	39	+3	W	2	em	1	c3	41	36	-				
GERMANY, &c.	Pembroke (St. Ann's)	29.58	41	ESE	3	0	29.77	+46	44	42	+5	SSE	4	0sp	4	0	46	37	0.01				
	Scilly (St. Mary's)...	29.35	47	E	7	0	29.76	+52	47	43	+5	SE	3	c	4	3c.0p	47	42	0.22				
	Jersey (St. Aubin's)...	29.61	40	SE	6	3c	29.84	+32	34	33	-7	ENE	2	3mw	2	3c.0	42	33	0.01				
	Portland Bill	29.62	42	ESE	5	c	29.85	+44	40	39	-3	ESE	1	c	3	c	44	39	0.06				
	Dungeness	29.73	39	S	4	c	29.85	+25	36	34	-2	S	1	3	1	c	41	35	-				
	Wick	29.61	35	WNW	1	3c	29.12	-44	37	37	+8	W	6	ru	1	3c	38	25	0.16				
	Nairn	29.68	35	W	1	0	29.25	-34	39	37	+8	W	4	3c	2	0	39	29	-				
	Aberdeen	29.71	26	W	1	3	29.34	-24	34	33	+9	SW	2	c	2	3m	38	23	0.01				
	Leith	29.71	33	SW	1	m	29.47	-07	38	36	+7	WSW	4	0	1	m	38	26	-				
	North Shields	29.70	35	SW	2	0	29.59	+05	33	32	0	SW	1	om	2	3c.0	35	25	0.01				
FRANCE.	Spurn Head	29.73	37	SSW	3	c	29.70	+15	34	33	+1	SW	3	c	2	c	37	33	0.01				
	Yarmouth	29.72	36	SSW	1	3c	29.80	+21	33	32	0	SW	2	3cm	3	3c	37	30	-				
	Loughborough	29.72	33	ESE	1	0	29.78	+25	35	34	+3	SW	3	3c	...	3c.0	35	32	0.09				
	Oxford	29.77	35	SE	1	3	29.84	+31	29	29	-6	S	1	3	...	3c.0	39	29	-				
	London (Brixton)	29.74	34	SE	1	3	29.85	+28	25	25	-9	Z	0	f	...	3m.3	42	25	0.2				
	The Scaw (Skagen)	29.86	26	NW	1	c	29.73	0	29	29	+6	SW	3	c	1	c	29	23	0.04				
	Fanö	29.89	25	SE	4	c	29.79	+01	34	32	+16	S	3	c	...	c	36	18	-				
	Cuxhaven	29.89	26	SSW	2	0	29.89	+11	19	18	-6	SSW	2	3	...	3	28	16	-				
	The Helder	29.82	24	S	1	3	29.83	+14	23	22	-10	S	1	c	1	3	34	18	-				
	Brussels	-			
SPAN. PEN.	Berlin	29.98	25	WNW	2	3	30.00	+21	19	18	-8	SE	2	3	...	3	28	18	-				
	Frankfurt	29.92	28	NE	2	c	29.91	+08	23	22	-3	NNE	2	3	...	c	30	28	-				
	Munich	29.82	21	NE	3	3	29.79	0	23	23	-4	NE	3	0	...	3	30	16	-				
	C. Gris Nez	29.80	32	S	5	3c	29.86	+19	31	30	-2	S	1	3c	1	3c	41	28	-				
	Brest	29.36	46	SE	6	r	29.78	+38	38	36	-7	E	2	3	...	r	46	37	0.79				
	Lorient †	29.48	45	SE	7	r	29.76	+27	36	35	-8	E	4	3	...	r	50	38	0.08				
	Rochefort	29.69	37	SE	4	3	29.76	+01	33	32	-6	NE	5	3c	...	3	39	32	-				
	Biarritz	29.57	42	E	3	3c	29.52	-23	37	36	-1	E	2	0	...	3c	32	36	0.04				
	Paris †	29.76	31	ESE	2	3	29.84	+12	24	24	-7	NNE	1	3	...	3	39	23	-				
	Belfort	29.78	28	ENE	4	0	29.82	+06	26	26	-1	ENE	4	f	...	c	32	25	-				
SPAN. PEN.	Lyons	29.88	30	N	1	0	29.78	-02	30	30	-1	N	1	f	...	0	33	30	-				
	Nice †	29.73	42	E	2	0	29.60	-14	49	41	+13	NE	3	0	3	0	45	35	0.12				
SPAN. PEN.	Perpignan †	29.65	43	NE	2	0	29.48	-28	42	42	+6	W	2	0	...	0.22	45	36	1.65				
	Corunna	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	-
SPAN. PEN.	Lisbon †	29.42	47	S	3	?	29.24	-51	42	39	+1	ENE	5	3	...	?	50	41	0.39				
	Azores (P. Delgada)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	-

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

* Observations for this column not generally received.

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

WEATHER CHARTS

FOR Tuesday 17th December, 1901.

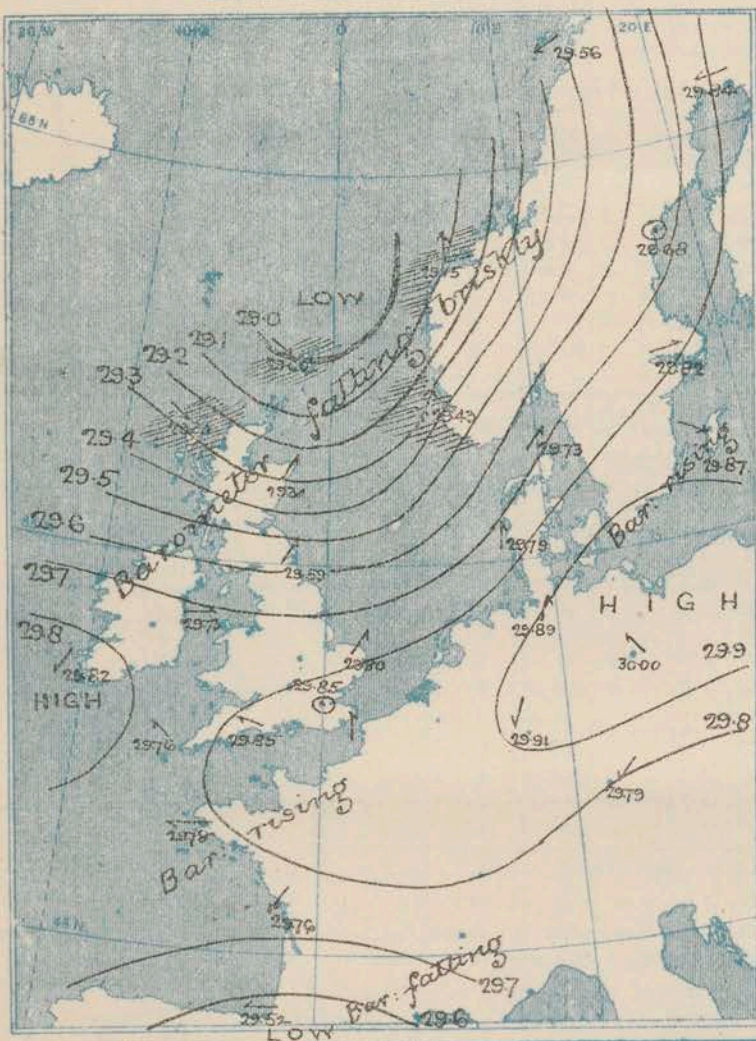
I. BAROMETER, WIND AND SEA. This Morning.

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°.

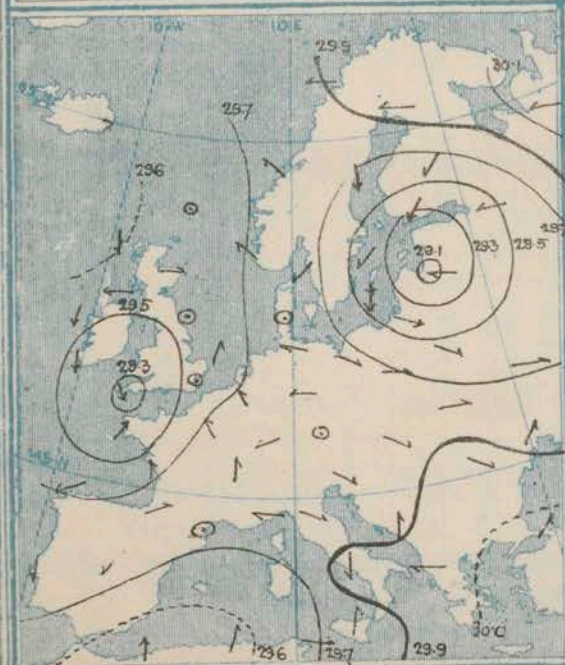
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

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

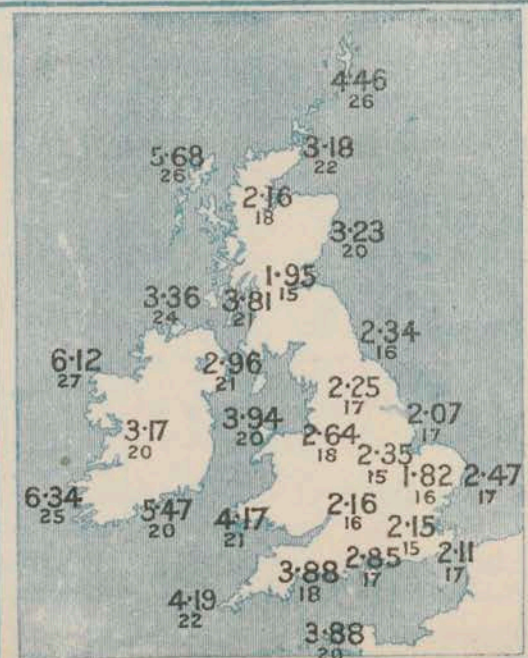
Yesterday morning.



IV. Average RAINFALL and NUMBER OF RAIN DAYS in month of DECEMBER (1871-1900)

Specimen { RAINFALL 2.34
(for Shields) { RAIN DAYS 16

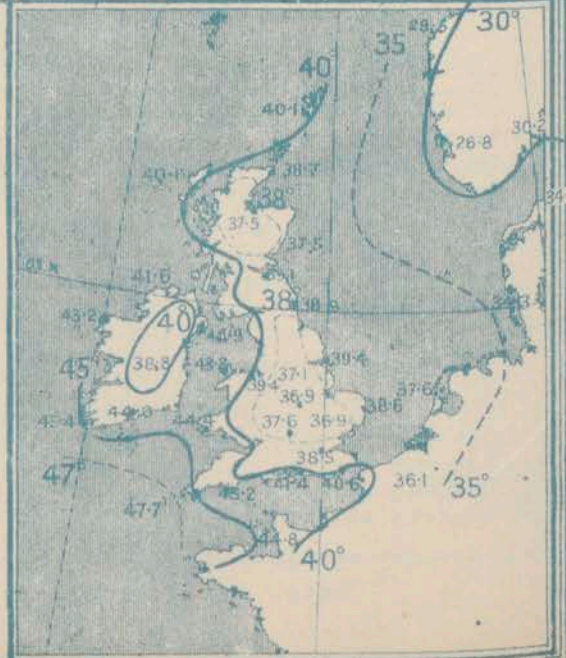
Malin Head & Blacksod & Belmullet Values are for only 15 Yrs



V. Means of DAILY TEMPERATURE

at 8 am. for the monthly period

December (1871-1900.)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The barometer is now highest, 29.9 ins. and upwards, over Germany and the southern parts of the Baltic, and lowest, 29.0 ins. and less, in a cyclonic disturbance of considerable depth which has appeared off the North of Scotland during the past night. Gradients are becoming rather steep over the north of our Islands and in Norway, but are very slight elsewhere. The barometer is still falling quickly in Scotland and Norway and the change seems to be spreading southwards and eastwards.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind has backed to the NW^d in the Hebrides, and to between W. and SW. in all except the southern districts of England and Ireland. Over Norway it is strong to a gale from the S^d and light from that quarter in Denmark and North Germany. Over France and the extreme south of our Islands light E. & breezes are reported. Temperature has risen several degrees in Scotland and in the west of Norway; fallen in most other regions and is still below the mean over the United Kingdom as a whole. The readings range from 41° at Seilly and 41° at Stornoway to 26° at Paternstown, 29° at Oxford, and to 25° in London. In most continental regions the temperature is much below 32°; at Berlin and Brussels the reading is 19°, and at Karstad and Stockholm 4°. The weather is fine at many of our southwestern and southern stations, with, however, fog or mist in places. In the more northern districts it is dull and rain has already set in in the north of Scotland. Clear sky prevails at many continental stations, but much cloud is reported from the west of Norway and the south west of France. The sea is rough in the extreme north, moderate or blight elsewhere.

Rain or snow showers have fallen in different parts of our Islands during the past 24 hours and heavy rain at Brest. The maximum temperatures were below 40° in many parts of England and Scotland, but were as high as 46° or 47° on our extreme southwestern coasts. Very little bright sunshine was recorded generally, but there were about three hours at some southern stations and at Aberdeen.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The disturbance in the north seems likely to move eastwards and to occasion strong winds and gales in Scotland from the W^d or NW^d with snow or sleet squalls. In the extreme south and southwest the weather will probably remain fair.

FORECASTS*

For the 24 hours ending at NOON on 18th December 1901

DISTRICTS.

FORECASTS.

0	{ SCOTLAND NORTH	W ^{ly} to NW ^{ly} winds, strong, a gale in places; squally, snow or sleet at times.
1	{ SCOTLAND EAST	
2	{ ENGLAND N.E.	W ^{ly} winds, freshening; cloudy or dull, some snow or sleet showers.
3	{ ENGLAND EAST	SW ^{ly} to W ^{ly} winds, light or moderate; fair, then cloudy or dull with snow showers in places.
4	{ MIDLAND COUNTIES	
5	{ ENGLAND SOUTH	Light Variable to W ^{ly} winds; fair at first with local fogs, then less settled. Cold.

DISTRICTS.

FORECASTS.

6	{ SCOTLAND WEST	Same as Nos 0 and 1.
7	{ ENGLAND N.W.	W ^{ly} to NW ^{ly} winds, freshening; some snow or sleet showers.
8	{ ENGLAND S.W.	S ^{ly} to Variable and finally W ^{ly} winds; fair generally.
9	{ IRELAND NORTH	W ^{ly} to NW ^{ly} winds, strong; squally, rain or sleet showers.
10	{ IRELAND SOUTH	N ^{ly} to NW ^{ly} or W ^{ly} winds, light or moderate; fair in most places.
WARNINGS		At 1015 am today to districts 0, 1, 6, and 9, "HOIST NORTH CONE"

Note.—The South Cone, point downwards (∇), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference. 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. In.	Temp. °	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shins. Hrs.	Rainfall In.
					In.	Change.	Dry.	Wet.	Change.					Max.	Min.		
Clacton-on Sea	"	"	"	"	"	"	"	"	"	"	8	"	C	40	33	1.6	—
Newton Reigny (Penrith)	29.72	32	SE 1	0	29.64		36	35		SW 3	08	"	c, 2, 0 m	37	23	3.0	—
Bath	29.71	31	E 1	8	29.80 + .36		25	24	- 12	E 1	8	"	7	42	25	0.0	—

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. In.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. In.
	Max.	Min.					Max.	Min.			
Harrogate, 6 p.m.	32	30	0 m	0.0	0.02	Worthing	*	*	*	1.5	*
Birmingham, 9 p.m.	35	29	C	0.0	0.04	Llandudno	*	*	*	0.0	*
Lowestoft, 6 p.m.	39	29	C	2.2	-	Rhyl	*	*	*	0.5	*
Hastings	*	*	*	3.2	*	Southport, 9 p.m.	35	31	0.8	0.0	0.02
Eastbourne	*	*	*	3.1	*	Manchester, 9 p.m.	37	31	0	1.0	0.03
Brighton	*	*	*	1.6	*	Darwen, 9 p.m.	34	28	0.72	0.0	0.31

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

STATIONS.	TEMPERATURE.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal) DEC. 16	63	45	r, 0	?	Algiers ... DEC. 16	59	52	0, C	—
Madrid	50	21	C, b	—	Tunis	59	43	0, 0	—
Corsica (I. Sanguinaires)	59	45	m, m	—	Vienna	41	30	0, b	—
Rome	51	33	0, r	0.43	St. Petersburg	30	16	0, 0	—
Florence	47	40	r, 0	0.35	Lugano ... DEC. 15	1 p.m.	—	—	Measured 7 a.m. 15
Trieste	48	41	0, 0	0.16	Davos	—	—	Information	—
Brindisi	60	43	0, 0	0.08	Lucerne	—	—	not arrived	—
Naples	54	44	0, 0	0.59	Lausanne	—	—	—	—
Palermo	67	46	C, 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.

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.		DEC. 17 1901.		
						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	8.2	11.49	3.36
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Greenwich	8.3	11.56	3.49
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick	9.1	12.8	3.15
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.	Valencia	8.47	12.57	4.27
Portugal	8 a.m. (Lisbon)	8.33 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.

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 18th December, 1901.

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. Inch.	
		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 ...																				
	Hernösand ...																				
	Stockholm ...																				
	Wisby ...																				
	Karlstad ...																				
	Færder (X'ania Fjord)																				
	Bodö ...																				
	Christiansund ...																				
	Skudesnaes ...																				
	Sumburgh Head	28.91	30	W	4	S	29.16	+16	30	30	-3	NE	3	S	5	c,sp	33	25		0.10	
Stornoway ...																					
Malin Head ...	29.42	40	NW	8	C	29.30	-21	41	40	-3	NNW	10	C	7	qrm,c	44	38		0.20		
Blacksod Pt. ...	29.64	44	NW	6	o,pm	29.63	-11	44	39	-1	NNW	7	c,pm	7	qrm,c	47	38		0.06		
Valencia...	29.70	47	NNW	3	O	29.68	-14	43	40	+11	NNW	6	O	5	o,r	47	31	0.3	0.03		
Roche's Point ...	29.65	43	W	3	B	29.55	-25	41	38	+3	NW	5	Bp	4	C,B	44	36		0.01		
Parsonstown ...	29.60	41	SW	1	O	29.54	-24	37	35	+11	SW	2	B		O,T	41	26	0.0	0.04		
Donaghadee ...	29.41	41	W	3	o,ggp	29.26	-39	42	38	+7	NE	3	c,gg,m	3	ggp	42	33		0.11		
Liverpool Obsy.	29.43	41	SW	5	T	29.23	-49	39	34	+3	W	7	Bm	6	CP	42	34		0.12		
Holyhead ...	29.48	44	W	6	o,up	29.30	-43	42	39	+1	NW	7	Cg	5	o,up	44	37		0.06		
Pembroke (St. Ann's)	29.60	46	NW	4	C	29.45	-32	42	38	-2	NW	5	Bc,sp	5	O,C	47	35	0.5	0.78		
Scilly (St. Mary's)...	29.69	48	WSW	4	C	29.51	-25	43	40	-4	NNW	5	CP	3	B,C	53	40	6.8	0.04		
Jersey (St. Aubins)...	29.75	37	NNE	2	cm	29.46	-38	43	41	+9	WNW	3	OTM	3	B,C,cm	43	31	7.0	0.20		
Portland Bill ...	29.69	43	WSW	3	C	29.42	-43	39	38	-1	NW	4	B	3	B,C	45	37		0.05		
Dungeness ...	29.67	40	SW	4	B	29.36	-49	37	37	+1	NW	1	OTSP	3	B	44	35		0.12		
Wick ...	29.06	29	NW	5	S	29.12	0	35	32	-2	NNW	6	Bcu	4	S,B	39	28		0.31		
Nairn ...	29.23	31	?NNW	3	S	29.14	-11	34	34	-5	N	5	OS	5	S	39	28		0.30		
Aberdeen ...	29.23	28	WNW	4	B	29.06	-38	34	32	0	N	6	ogs	5	agrs,B	39	27		0.37		
Leith ...	29.31	34	NW	2	T	29.00	-47	34	32	-4	NW	4	O		agrs,B	43	30		0.16		
North Shields ...	29.24	41	SW	3	T	29.06	-63	33	32	0	W	4	C	2	O,agrs	42	30		0.05		
Spurn Head ...	29.38	37	SW	6	B	29.09	-61	35	34	+1	SW	6	Besp,sp	4	B	40	23		0.08		
Yarmouth ...	29.53	35	SW	3	B,C	29.27	-53	33	32	0	WSW	3	B,C	3	B,C,cm	36	31		0.03		
Loughborough ...	29.52	39	SSW	5	O	29.25	-53	34	32	-1	SW	5	Cg		c,ggp,B	40	32		0.02		
Oxford ...	29.53	40	S	3	O	29.36	-48	32	31	+3	WSW	3	B		B,C,agrs	41	29		0.03		
London (Brixton)	29.62	38	SW	1	O,M	29.37	-48	33	32	+8	WSW	2	B		B,C,agrs	41	24	1.3	0.09		
The Scaw (Skagen)	29.45	?	SW	8	O	29.37	-36	34	33	+5	S	9	S	3	O	34	28				
Fanö ...	29.46	32	S	8	O	29.30	-49	31	31	-3	S	8	S		O	26	30				
Cuxhaven ...	29.70	22	S	3	B	29.40	-49	26	25	+7	S	4	O		B	27	19				
The Helder ...	29.69	38	SW	4	C	29.27	-56	40	37	+17	WSW	2	O	2	C	41	23			0.16	
Brussels...						29.45	-45	27	25	+8	SSW	4	O		B	33	18				
Berlin ...	29.79	22	SE	2	B	29.56	-44	28	28	+9	SE	2	O		B	28	19				
Frankfurt ...	29.73	23	N	2	B	29.59	-32	18	18	-5	SSW	2	O		B	30	18				
Munich ...	29.66	28	SE	4	O	29.49	-30	27	27	+4	SW	4	F		O	30	23				
C. Gris Nez ...	29.76	34	SW	1	B,C	29.41	-45	41	40	+10	WNW	3	T	4	B,C	48	34			0.20	
Brest ...	29.73	37	NE	1	B	29.49	-29	44	43	+6	NNW	4	T	4	B	48	37			0.08	
Lorient ...	29.72	38	ENE	4	B	29.52	-24	45	41	+9	WSW	3	O	2	B	45	34				
Rochefort ...	29.61	38	NE	5	O	29.64	-12	30	30	-3	NE	2	B,C		O	43	30				
Biarritz ...	29.54	41	S	3	T	29.56	+04	48	46	+11	SSW	4	O	3	T	49	37			0.35	
Paris ...	29.73	29	NNE	1	B	29.55	-29	23	23	-1	S	2	O		B	36	22				
Belfort ...	29.69	24	ENE	6	F	29.58	-24	25	25	-1	WSW	2	F		F	29	23				
Lyons ...	29.71	31	N	1	O	29.62	-16	31	31	+1	S	1	F		O	33	30				
Nice ...	29.50	52	E	3	C	29.67	+07	41	40	-8	E	4	C	4	C,T	57	39			0.75	
Perpignan ...	29.46	42	SW	1	B	29.59	+11	37	37	-5	W	2	B,C		B,T	46	36			1.81	
Corunna ...																					
Lisbon ...	29.28	45	NNE	6	O	29.40	+16	42	41	0	NNE	6	O		O,T	46	41			0.32	
Azores (P. Delgada)	29.95	57	NE	4	C	30.06	+25	57	52	0	NE	4	O	1	C	61	55				
In the night the shade minimum was 32°, grass 27°																					

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

* Observations for this column not generally received.

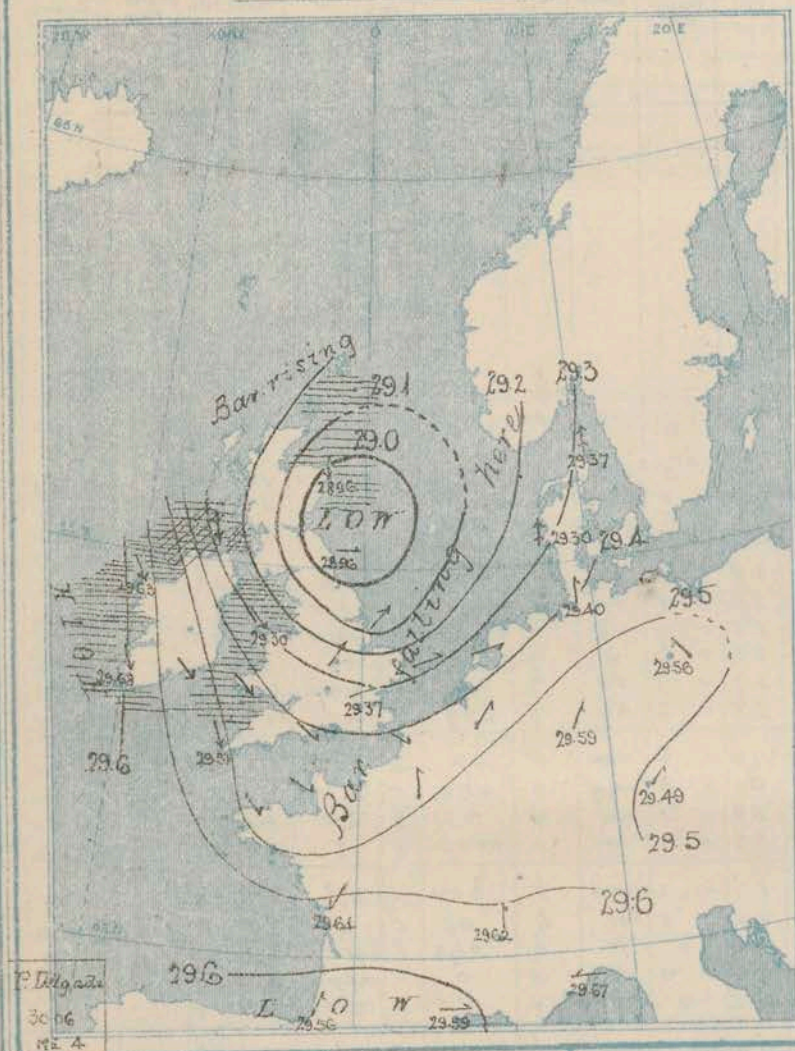
† Observations received too late for insertion in Charts on next page.

WEATHER CHARTS

FOR Wednesday, 18th December, 1901.

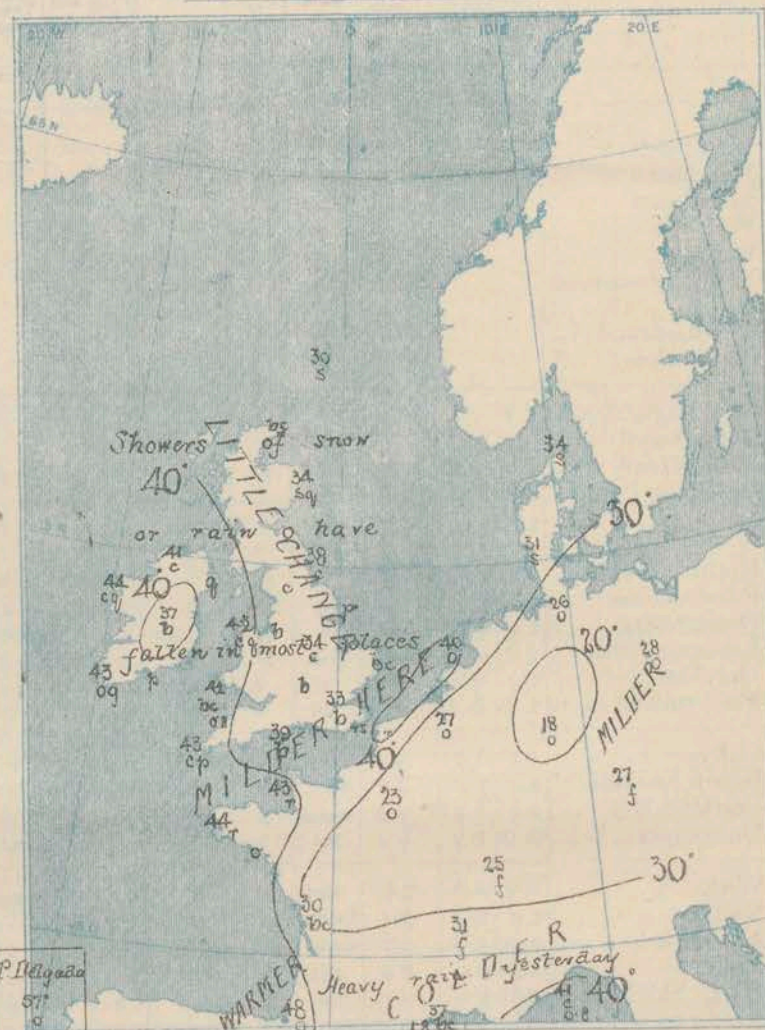
I. BAROMETER, WIND AND SEA. This Morning.

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



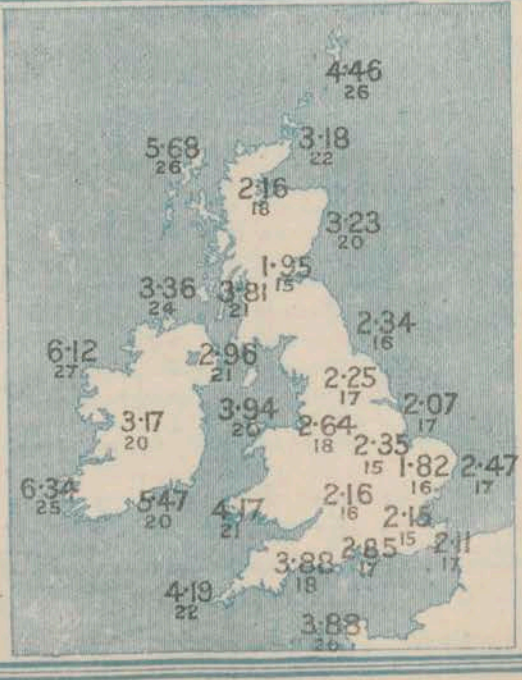
III. BAROMETER AND WIND

Yesterday morning.



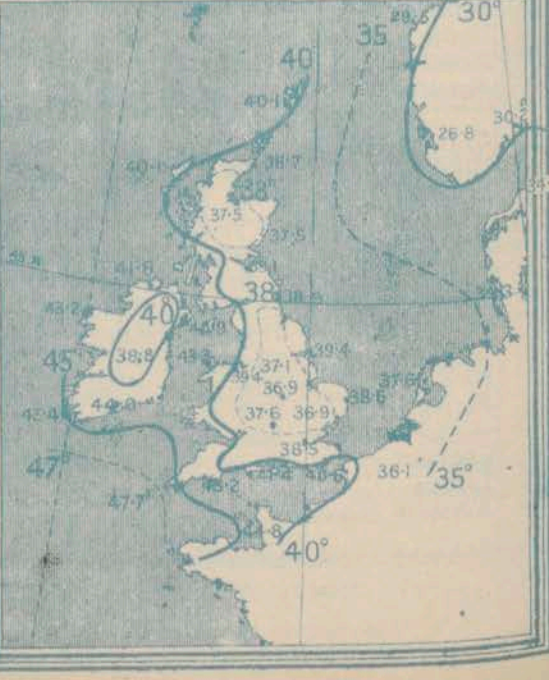
IV. Average RAINFALL and NUMBER OF RAIN DAYS in month of DECEMBER (1871-1900)

Specimen { RAINFALL 2.34
 (for Shields) { RAIN DAYS 16
 Malin Head & Blacksod: Belmullet Values are for only 15 Yrs.



V. Means of DAILY TEMPERATURE

at 8 a.m. for the monthly period
 December (1871-1900.)



GENERAL SITUATION AT 8 A.M.

PRESSURE

Barometric pressure is at present highest (29.6 ins. and more) off the west of Ireland and the southern part of France, but lowest off the east of Scotland and northeast of England; from Scandinavia there is at present no information available, but at Aberdeen and Shields the barometer is below 29 ins., and in Ireland and the north of England gradients are steep.

WIND

TEMPERATURE

WEATHER

AND

SEA

N^w and NW^w gales and strong winds are reported from our northwestern stations, strong N^w winds in Scotland, NW^w breezes in the English Channel and W^w to SW^w winds in the east of England, and southerly gales in Denmark. Temperature ranges from 48° at Biarritz and 43° at Scilly and Valencia to 34° at Aberdeen and 33° in the north and east of England; the British values are a little below the average. At Frankfurt the temperature is as low as 18°; at Cuxhaven 26°, at Belfort 25°, but at nearly all the continental stations it is higher than it was yesterday. Snow is reported in Denmark, squalls and cold showers at several of our western and northern stations, but in the south and east of England the sky has become clear. The sea is rough in the west and northwest, moderate in the east, and slight in the south.

Since yesterday there have been showers of snow and cold rain in all our districts from which reports have at present arrived. Temperature has changed fitfully. At Scilly it touched 53° but at no other of our own stations did it exceed 47°, while at Yarmouth it did not exceed 36°. Bright sunshine appears to have been very deficient except at Jersey and on our southern coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The baric minimum over the North Sea appears to be moving southeasterwards and a shallow secondary near Jersey has a parallel movement. Cold N^w winds and cold showers are probable in most places.

FORECASTS *

For the 24 hours ending at NOON on 19th December 1901

DISTRICTS.

FORECASTS.

0 7 { SCOTLAND
NORTH

1 7 { SCOTLAND
EAST

2 { ENGLAND
N.E.

3 { ENGLAND
EAST

4 { MIDLAND
COUNTIES

5 { ENGLAND
SOUTH

No reports received. Forecasting not possible.

W^w to NW^w winds, fresh or strong; cold showers, bright intervals.

DISTRICTS.

FORECASTS.

6 7 { SCOTLAND
WEST

7 7 { ENGLAND
N.W.

8 7 { ENGLAND
S.W.

9 7 { IRELAND
NORTH

10 7 { IRELAND
SOUTH

Same as Nos. 0 and 1.

NW^w winds, very strong; cold showers

NW^w and N^w gales in west, fresh in east; snow and rain occasionally

WARNINGS

At 7.30 pm yesterday to districts 7, 10, and part of 8. HOIST NORTH CONE. The signals are also flying in 0, 1, 6, 8, 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. 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	40	36	4.6	0.06
Newton Reigny (Penrith)	29.36	35	SW 6	7	29.11	-.53	33	32	- 3	W 5	c	*	ogt, bc	40	29	0.0	0.25
Bath	29.61	37	NW 4	c	29.37	-.43	35	33	+ 10	W 1	bc	*	c	42	25	0.9	-

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, 6 p.m.	35	31	o	0.0	0.02	Worthing	*	*	*	4.5	*
Birmingham, 9 p.m.	38	30	c	0.5	-	Llandudno	*	*	*	0.2	*
Lowestoft, 6 p.m.	37	30	c	2.0	-	Rhyl	*	*	*	0.0	*
Hastings	*	*	*	7.1	*	Southport, 9 p.m.	43	32	cop	0.2	0.09
Eastbourne	*	*	*	6.3	*	Manchester, 9 p.m.	42	33	ot	0.6	0.12
Brighton	*	*	*	3.8	*	Darwen, 9 p.m.	39	28	om	0.0	0.17

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

STATIONS.	TEMPERATURE.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal) DEC. 17	59	46	c, r	0.16	Algiers ... DEC. 17	64	48	o, c	Ins.
Madrid	41	30	o, p	?	Tunis	61	52	o, o	-
Corsica (I. Sanguinaires)	57	39	m, m	-	Vienna	39	32	o, r	0.04
Rome	59	35	o, m	0.08	St. Petersburg	45	16	f, s	0.12
Florence	48	34	o, o	0.08	Lugano ... DEC. 16	34	-	b	Measured 7 a.m. 16
Trieste	50	41	o, o	0.48	Davos	25	-	o	0.04
Brindisi	63	46	c, o	-	Lucerne	36	-	o	-
Naples	60	47	r, o	?	Lausanne	36	-	o	0.08
Palermo	67	57	o, 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.

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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.

DEC. 18, 1901.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	8.3	11.50	3.37
Greenwich	8.4	11.57	3.50
Wick	9.2	12.9	3.16
Valencia	8.48	12.38	4.28

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

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 19th December, 1901.

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.		Sun- shine.	Rainfall.
	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.	Hours.	Ins.
	Ins.					Ins.	Ins.	°	°										
SCANDINAVIA.	Haparanda ...																		
	Hermosand ...																		
	Stockholm ...																		
	Wisby ...																		
	Karlstad ...																		
	Färder (X'ania Fjord)																		
	Bodö ...																		
BRITISH ISLANDS.	Christiansund ...																		
	Skudesnaes ...																		
	Sumburgh Head ...	29.22	34	ENE	3	0	29.35	+1.14	34	33	+ 4	NE	4	0	5	35	30		0.03
	Stornoway ...	29.35	30	NE	8	0	29.43	+1.16	37	36	0	NNE	5	7.0	5	42	34	0.0	0.16
	Malin Head ...	29.32	41	NNW	9	0	29.43	+1.13	41	40	0	N	8	0.9	7	43	38		0.07
	Blacksod Pt. ...	29.59	39	NNW	6	0	29.64	+1.01	39	37	- 5	N	5	2.0	5	44	34		0.34
	Valencia ...	29.63	42	NW	5	0	29.66	-0.02	41	38	- 2	NNW	6	0.9	5	45	37	1.5	0.22
	Roche's Point ...	29.53	39	NW	5	0	29.57	+1.02	37	35	- 4	N	5	0	4	43	35		
	Parsonstown ...	29.51	35	NW	2	0	29.56	+1.02	32	31	- 5	NW	1	0		39	30	0.8	0.03
	Donaghadee ...	29.30	42	NNE	4	0	29.39	+1.13	42	40	0	NNW	5	0.9	4	43	39		0.05
	Liverpool Obsy. ...	29.24	40	WNW	3	0	29.36	+1.13	35	34	- 4	NNW	2	0	7	41	35		0.14
	Holyhead ...	29.28	42	NW	8	0	29.36	+1.06	42	40	0	NW	7	0.9	5	43	37		0.08
	Pembroke (St. Ann's)	29.40	42	NW	6	3	29.46	+1.01	40	37	- 2	NNW	4	0	3	45	39	1.3	
	Scilly (St. Mary's) ...	29.44	43	NNW	6	0	29.46	-0.05	43	40	0	N	6	0.9	4	49	40	0.6	0.11
	Jersey (St. Aubins) ...	29.47	42	WNW	3	0	29.44	-0.02	38	37	- 5	WNW	3	0.9	3	48	33	1.2	0.14
	Portland Bill ...	29.37	43	NW	5	0	29.43	+1.01	39	39	0	NW	4	0	3	44	39		
	Dungeness ...	29.33	45	W	3	0	29.42	+1.06	29	29	- 8	N	1	0	2	48	28		
GERMANY, &c.	Wick ...	29.21	35	N	1	0	29.33	+1.21	37	35	+ 2	NW	6	0	4	38	30		0.06
	Nairn ...	29.24	34	WNW	3	0	29.37	+1.23	29	27	- 6	W	1	0	2	34	25		
	Aberdeen ...	29.15	33	N	4	0	29.26	+1.30	34	33	0	NW	4	0.9	4	35	30		0.26
	Leith ...	29.15	33	NW	2	0	29.31	+1.31	32	32	- 2	WNW	2	0		36	28		
	North Shields ...	29.00	32	NW	3	0	29.26	+1.30	30	30	- 3	W	2	0	2	33	29		0.87
	Spurn Head ...	29.40	36	WSW	6	0	29.25	+1.16	33	31	- 2	WSW	4	0	3	40	30		
	Yarmouth ...	29.20	35	WSW	3	0	29.35	+1.08	31	30	- 2	W	3	0	3	37	29		
	Loughborough ...	29.25	33	WNW	3	0	29.38	+1.13	29	28	- 5	SE	1	0		39	27		
	Oxford ...	29.33	34	SW	3	0	29.43	+1.07	26	29	- 3	SW	1	0		41	28		
	London (Brixton) ...	29.33	36	W	2	0	29.42	+1.05	28	27	- 5	W	1	0		41	28	2.6	
FRANCE.	The Scaw (Skagen) ...	29.42	36	S	6	0	29.51	+1.14	35	34	+ 1	S	3	0	1	37	32		1.93
	Fanø ...	29.35	30	SSE	6	0	29.46	+1.16	30	30	- 1	SE	6	0		31	28		0.12
	Cuxhaven ...	29.37	32	S	4	0	29.50	+1.10	26	24	0	S	3	0		32	23		
	The Helder ...	29.24	35	SSW	2	0	29.37	+1.10	31	31	- 9	SSW	2	0	2	41	30		
	Brussels ...						29.48	+1.03	30	30	+ 3	SSE	2	0		33	27		
	Berlin ...	29.52	28	SW	1	0	29.64	+1.08	26	25	- 2	SE	2	0		32	23		
	Frankfurt ...	29.57	30	S	2	0	29.53	-0.06	33	33	+ 15	E	2	0		37	18		
	Munich ...	29.60	31	2	0	0	29.53	+1.04	22	22	- 5	SE	3	0		37	19		0.04
SPAN. PEN.	C. Gris Nez ...	29.41	40	W	4	0	29.46	+1.05	36	35	- 5	SW	1	0	1	46	34		0.12
	Brest ...	29.49	43	N	5	0	29.40	-0.09	38	37	- 6	N	3	0	2	46	37		0.67
	Lorient ...	29.50	42	N	3	0	29.43	-0.09	38	37	- 7	N	2	0	2	48	34		0.16
	Rochefort ...	29.60	39	S	2	0	29.48	-1.16	33	32	+ 3	E	1	0		41	30		
	Biarritz ...	29.54	50	WSW	4	0	29.49	-0.07	39	38	- 9	NW	6	0		52	39		0.39
	Paris ...	29.50	30	SSW	2	0	29.45	-1.10	31	30	+ 8	NE	1	0		31	23		
	Belfort ...	29.52	33	WSW	1	0	29.41	-1.17	35	34	+ 10	NNE	4	0		35	25		
	Lyons ...	29.58	43	N	3	0	29.40	-2.22	39	38	+ 8	NNE	1	0		48	31		0.16
SPAN. PEN.	Nice ...	29.68	42	E	4	0	29.51	-1.16	42	41	+ 1	E	5	0		45	41		0.67
	Perpignan ...	29.56	46	NE	2	0	29.34	-2.25	44	42	+ 7	NW	2	0		50	37		0.24
SPAN. PEN.	Corunna ...																		
	Lisbon ...																		
SPAN. PEN.	Azores (P. Delgada)																		

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

* Observations for this column not generally received.

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

WEATHER CHARTS

FOR Thursday, 19th December, 1901.

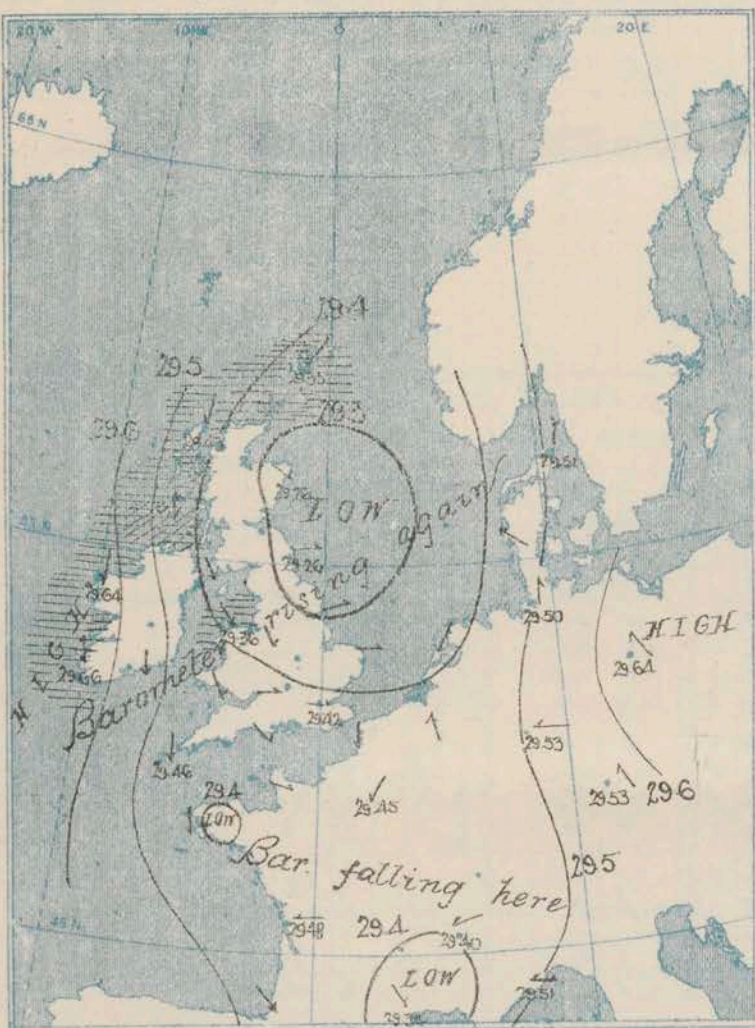
I. BAROMETER, WIND AND SEA. This Morning.

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 :

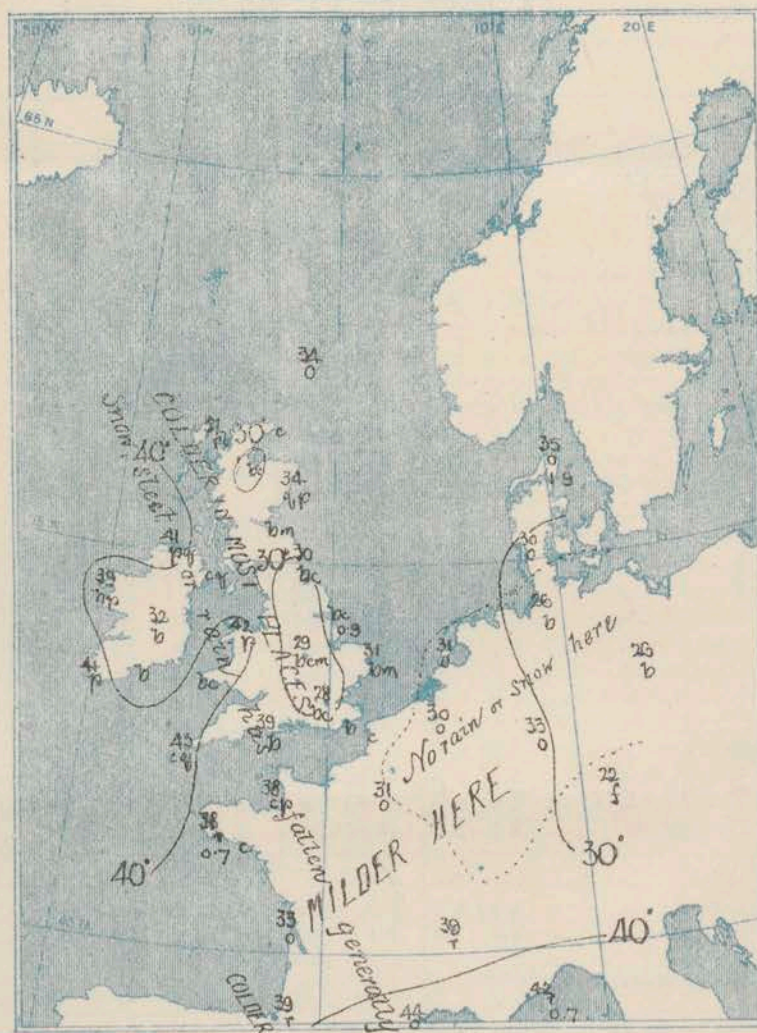


II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

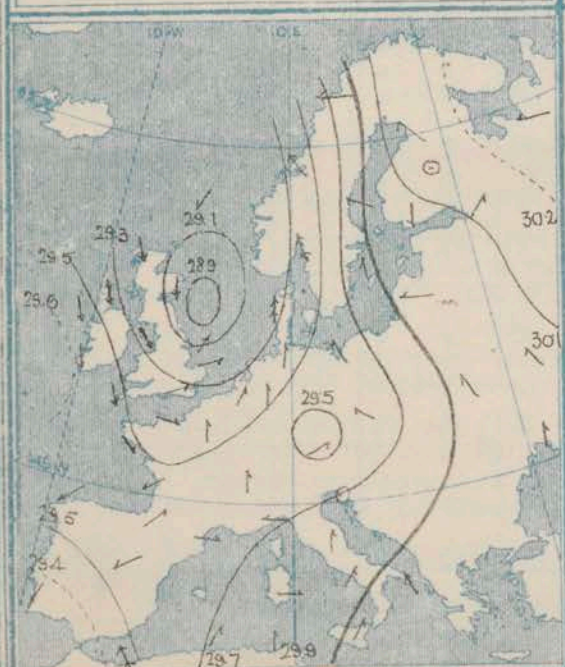
WEATHER.—Shown by Letters of the Beaufort Scale. (See P 4.)

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.

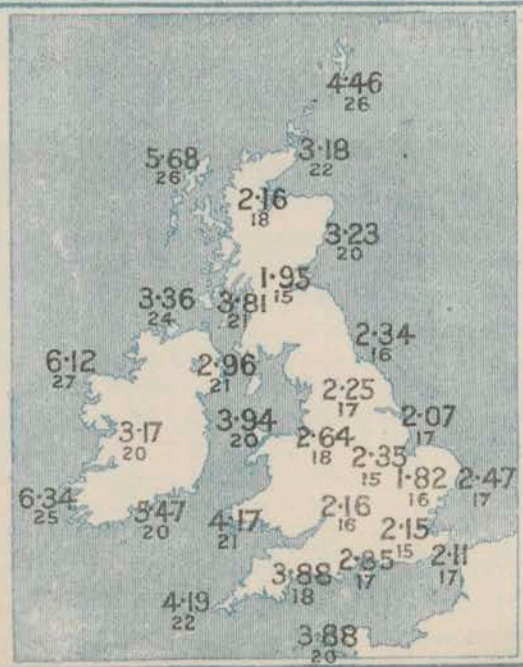


IV. Average RAINFALL and NUMBER OF RAIN DAYS

in month of DECEMBER (1871-1900)

Specimen { RAINFALL 2.34
(for Shields) { RAIN DAYS 16

Malin Head & Blacksod & Belmullet. Values are for only 15 Yrs.



V. Means of DAILY TEMPERATURE

at 8 am for the monthly period

December (1871-1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

There are now two areas of high pressure — one over the Atlantic off the west of Ireland, the other over central Europe; in both of these the highest readings reported exceed 29.6 ins. The low pressure area over the North Sea has scarcely moved but has partially filled up, the lowest readings being about 29.25 ins. on our north-eastern coast. In the south of France the barometer is falling and a new minimum appears to be forming in that region.

WIND

TEMPERATURE

WEATHER

AND

SEA

N^w winds are reported at our western stations and still blow hard at Malin Head and Holyhead; in Scotland and the English Channel the wind is NW^y, in the east of England W^y, and in Denmark S^y to SE^y. Temperature ranges from 43° at Scilly to 22° at Munich, 26° at Berlin, 28° in London and at Naion, 30° at Shields. In our Islands the values are several degrees below the average. Rain and hail showers are still reported at several of our western and northwestern stations, but over the Kingdom generally the weather is fine and bright — slightly foggy in London locally. The sea continues rough in the west and northwest, but is moderate to slight in the east and is decreasing.

During the past day the temperature has been falling in nearly all parts of the Kingdom; the minima this morning were 27° at Loughborough, 28° in London, 30° at Parsonstown. Further falls of snow, hail, and cold rain are reported from Ireland, Scotland, and the Continent (1.9 ins at the Scaw), and while the amount of bright sunshine exceeded 5 hours at many of our Channel stations, it was less in the north; at Stornoway none.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

As the low pressure area over the North Sea fills up fine and colder weather is likely to occur over our Islands, with decreasing winds, and, at our inland stations, fog.

FORECASTS *

For the 24 hours ending at NOON on 20th December 1901

DISTRICTS.

FORECASTS.

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

NE^y and N^y winds, moderating; very cold, some snow showers.

W^y to NW^y winds, moderate to light; fog inland, fair elsewhere. Very cold.

DISTRICTS.



FORECASTS.

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

N^y winds, decreasing; very cold, fair as a whole, but slight snow in far west.

WARNINGS

The North Cone is still flying in districts 7, 10, and part of 8.

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

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

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 8 P.M.				THIS MORNING 8 A.M.								PART 24 HOURS				
	Bar. Ina.	Temp. °	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
					Ina.	Change.	Dry.	Wet.	Change.					Max.	Min.		
Clacton-on Sea	"	"	"	"	"	"	"	"	"	"	b	"	om	39	29	3.0	-
Newton Reigny (Penrith)	29.16	33	w 4	bc	29.34	+ .23	28	26	- 5	wnw 2	b	"	oc. b	35	26	1.7	-
Bath	29.28	38	w 1	b	29.41	+ .04	29	29	- 6	w 1.	f	"	b	44	28	5.6	-

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Rainfall.		STATIONS.	TEMPERATURE.		Weather.	Sunshine. Rainfall.	
	Max.	Min.		Hrs.	Ins.		Max.	Min.		Hrs.	Ins.
Harrogate, 6 p.m.	40	30	C	3.8	0.08	Worthing	"	"	"	5.8	"
Birmingham, 9 p.m.	38	31	S	1.1	0.07	Llandudno	"	"	"	0.1	"
Lowestoft, 6 p.m.	37	32	Bw	3.6	0.06	Rhyl	"	"	"	4.1	"
Hastings	"	"	"	4.4	"	Southport, 9 p.m. ...	41	34	Bw	4.6	0.07
Eastbourne	"	"	"	4.4	"	Manchester, 9 p.m. ...	40	31	B	3.3	0.03
Brighton	"	"	"	5.5	"	Darwen, 9 p.m. ...	36	29	Bv	4.8	0.07

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

STATIONS.	TEMPERATURE.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal) <i>DEC. 18th</i>	—	—	—	—	Algiers ... <i>DEC. 18th</i>	63	48	c, c	—
Madrid	37	28	o, o	o. 08	Tunis... ..	68	43	bc, o	—
Corsica (I. Sanguinaires) ...	61	41	m, m	o. 20	Vienna	39	36	o, o	—
Rome	62	53	o, o	o. 35	St. Petersburg... ..	39	21	o, c	o. 08
Florence	56	48	r, o	?		1 p.m.			Measured 7 a.m. 17
Trieste	59	48	o, o	o. 16	Lugano ... <i>DEC. 17th</i>	37	—	o	o. 24
Brindisi... ..	63	53	o, o	—	Davos	30	—	b	o. 04
Naples	62	56	o, o	o. 04	Lucerne	30	—	o	—
Palermo	71	48	c, o	—	Lausanne	34	—	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.					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.	DEC. 19 TH 1901.	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. 3	11. 50	3. 37
Germany, Denmark, } Norway, Sweden ... }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Greenwich	8. 4	11. 57	3. 50
France	7 a.m. (Paris) ...	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick	9. 2	12. 9	3. 16
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.	Valencia	8. 48	12. 38	4. 28
Portugal	8 a.m. (Lisbon) ...	8.36 a.m.						

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" Weekly	"	"	41 00 0	"	Single Copies, 6d
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		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.				
		Ins.					Ins.	Ins.	°	°											
SCANDINAVIA.	Haparanda ...																				
	Hernösand ...																				
	Stockholm ...																				
	Wisby ...																				
	Karlstad ...																				
	Færder (X'ania Fjord)†	29.84	30	NE	4	0	29.94	+33	29	28	0	NE	5	0	2	0	30	28	*	0.12	
	Bodö † ...	29.94	23	E	4	0	29.95	-0.6	23	22	-1	ESE	2	0	3	23	19	*	-		
	Christiansund†	29.73	35	ESE	2	0	29.88	+2.8	31	30	-5	E	3	0	3	37	30	*	-		
	Skudesnaes † ...	29.60	37	SE	8	0	29.83	+4.7	35	30	-1	ENE	2	0	3	37	30	*	-		
	Sumburgh Head	29.55	37	ENE	4	0	29.75	+4.0	37	36	+3	ENE	1	0	4	38	34	*	0.10		
BRITISH ISLANDS.	Stornoway ...	29.66	36	NE	4	0	29.79	+3.6	37	36	0	NE	3	0	4	40	33	2.3	0.18		
	Malin Head ...	29.62	43	N	8	0	29.77	+3.4	42	41	+1	NNW	5	0	4	43	38	*	0.05		
	Blacksod Pt. ...	29.74	43	N	5	0	29.85	+2.1	41	39	+2	NNW	3	0	3	43	37	*	0.12		
	Valencia ...	29.70	43	N	4	0	29.85	+1.9	43	39	+2	N	3	0	4	43	38	1.3	0.20		
	Roche's Point ...	29.59	37	N	4	0	29.80	+2.3	37	34	0	N	3	0	3	42	35	*	-		
	Parsonstown ...	29.63	35	NW	1	0	29.80	+2.4	29	29	-3	NW	1	0	3	37	28	4.6	-		
	Donaghadee ...	29.53	41	NNW	6	0	29.74	+2.5	40	38	-2	NW	4	0	4	43	35	*	0.40		
	Liverpool Obsy.	29.50	36	Z	0	0	29.67	+3.1	35	33	0	NNW	1	0	1	37	32	*	-		
	Holyhead ...	29.45	34	NE	4	0	29.70	+3.4	41	39	-1	NE	4	0	3	42	33	*	0.39		
	Pembroke (St. Ann's)	29.47	40	NNW	4	0	29.68	+2.2	35	34	-5	NNE	2	0	2	43	33	2.5	0.04		
GERMANY, &c.	Scilly (St. Mary's)...	29.52	43	N	6	0	29.64	+1.8	42	40	-1	N	5	0	4	52	39	3.6	0.10		
	Jersey (St. Aubins)...	29.47	40	N	2	0	29.62	+1.8	40	38	+2	NNW	2	0	2	43	34	0.9	0.03		
	Portland Bill ...	29.46	40	NW	3	0	29.63	+2.0	30	30	-9	NNE	1	0	2	44	30	*	-		
	Dungeness ...	29.44	32	N	1	0	29.59	+1.7	30	29	+1	N	3	0	1	43	26	*	-		
	Wick ...	29.58	35	N	3	0	29.71	+3.8	40	39	+3	NNE	3	0	4	40	33	*	0.18		
	Nairn ...	29.56	37	N	3	0	29.72	+3.5	37	35	+9	NNW	4	0	1	38	26	*	-		
	Aberdeen ...	29.45	34	NW	3	0	29.60	+3.4	40	38	+6	ENE	4	0	4	40	33	0.0	0.30		
	Leith ...	29.46	36	WNW	2	0	29.65	+3.4	37	35	+5	WNW	2	0	*	38	30	*	-		
	North Shields ...	29.41	34	W	2	0	29.61	+3.5	36	35	+6	Z	0	0	2	39	29	*	0.30		
	Spurn Head ...	29.44	35	W	3	0	29.57	+3.2	33	33	0	WNW	1	0	1	37	31	*	-		
FRANCE.	Yarmouth ...	29.41	33	SSW	1	0	29.53	+1.8	31	30	0	NW	3	0	3	34	28	*	-		
	Loughborough ...	29.48	24	Z	0	0	29.63	+2.5	27	27	-2	NNE	1	0	*	35	12	*	0.09		
	Oxford ...	29.51	31	N	2	0	29.66	+2.3	21	21	-8	NW	1	0	*	41	20	*	-		
	London (Brixton)	29.45	29	Z	0	0	29.62	+2.0	26	25	-2	WNW	1	0	*	40	25	0.4	-		
	The Scaw (Skagen)	29.77	35	SE	2	0	29.80	+2.9	31	30	-4	E	3	0	1	30	*	-	-		
	Fanö ...	29.60	30	?	4	0	29.60	+1.4	34	33	+4	NE	5	0	*	34	27	*	-		
	Cuxhaven ...	29.58	30	E	3	0	29.48	-0.2	35	34	+9	ENE	2	0	*	36	26	*	-		
	The Helder ...	29.46	31	SSE	1	0	29.45	+0.8	35	35	+4	NE	2	0	2	37	30	*	0.20		
	Brussels†.	29.50	32	*	*	0	29.50	+0.2	32	32	+2	NNW	1	0	*	36	30	*	0.16		
	Berlin ...	29.51	35	ESE	2	0	29.42	-2.2	35	35	+9	ESE	2	0	*	36	26	*	-		
SPAN. PEN.	Frankfurt ...	29.34	36	NE	2	0	29.40	-1.3	32	31	-1	NE	1	0	*	37	32	*	-		
	Munich ...	29.28	36	SE	0	0	29.36	-1.7	30	29	+8	SW	5	0	*	37	22	*	-		
	C. Gris Nez † ...	29.47	37	SW	1	0	29.60	+1.4	36	35	0	N	5	0	4	41	34	*	-		
	Brest ...	29.51	39	NE	2	0	29.62	+2.2	36	35	-2	NE	2	0	2	45	34	*	0.12		
	Lorient ...	29.47	41	NNE	2	0	29.61	+1.8	37	36	-1	NNE	3	0	2	43	36	*	-		
	Rochefort ...	29.50	33	NE	2	0	29.60	+1.2	34	34	+1	E	3	0	*	37	30	*	-		
	Biarritz ...	29.47	44	W	6	0	29.54	+0.5	38	37	-1	ENE	2	0	2	48	37	*	0.71		
	Paris ...	29.43	33	N	2	0	29.53	+0.8	32	32	+1	NW	2	0	*	34	31	*	0.08		
	Belfort ...	29.30	32	Z	0	0	29.43	+0.2	31	31	-4	WSW	3	0	*	38	31	*	-		
	Lyons ...	29.41	35	N	6	0	29.51	+1.1	33	33	-6	NNW	1	0	*	39	32	*	0.55		
SPAN. PEN.	Nice ...																				
	Perpignan ...	29.36	44	SW	2	0	29.46	+1.2	39	37	-5	NW	2	0	*	48	35	*	-		
SPAN. PEN.	Corunna ...																				
	Lisbon ...																				
SPAN. PEN.	Azores (P. Delgada)†	30.37	58	NNW	3	0	30.35	+0.7	55	50	-3	NNW	3	0	1	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, 20th December, 1901.

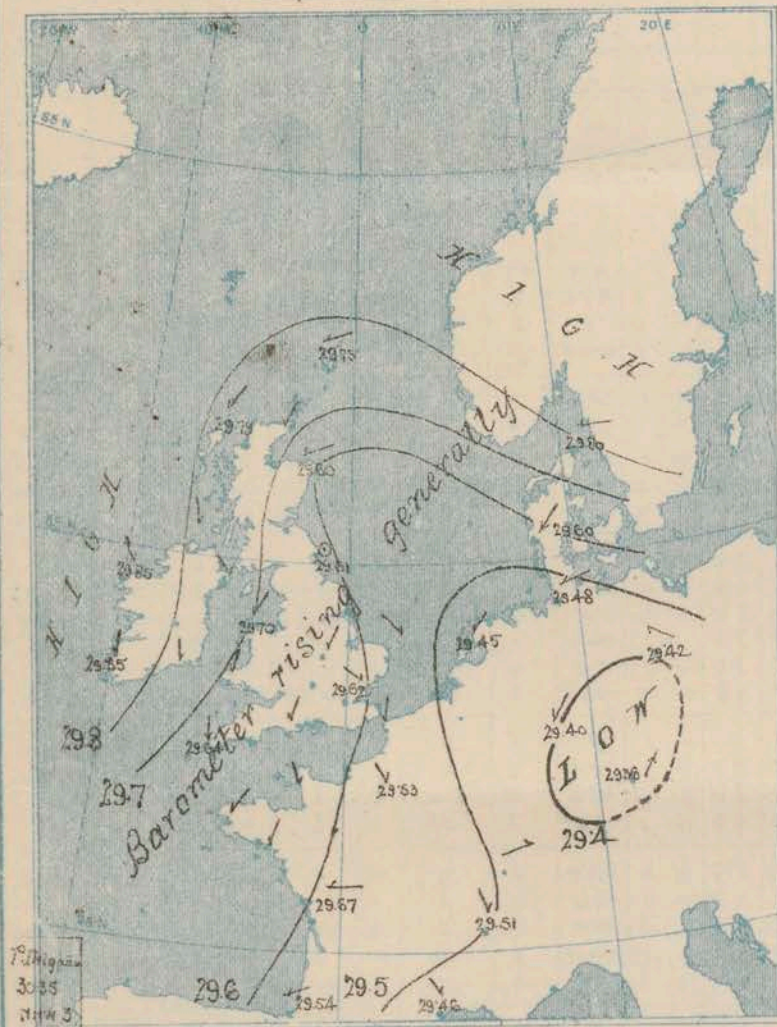
I. BAROMETER, WIND AND SEA. This Morning.

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

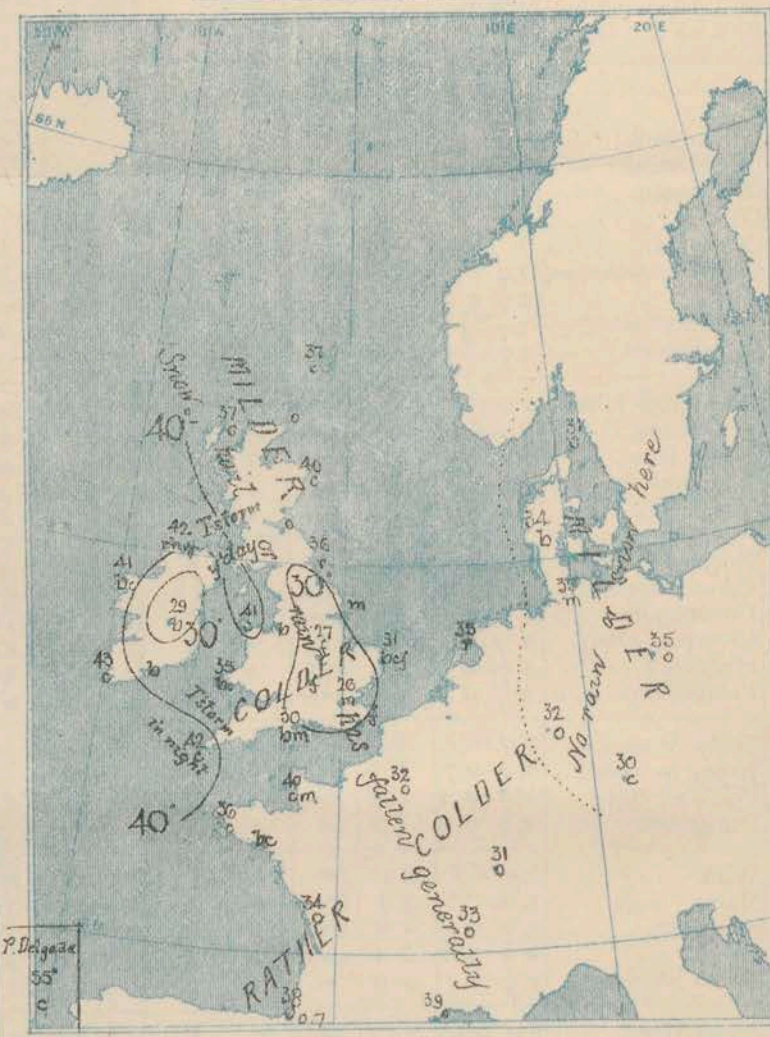


II. TEMPERATURE AND WEATHER. This Morning.

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—0.8



III. BAROMETER AND WIND

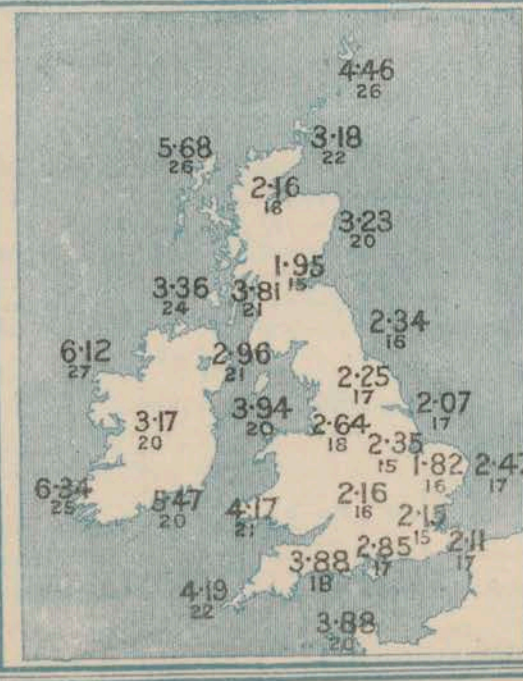
Yesterday morning.



IV. Average RAINFALL and NUMBER OF RAIN DAYS in month of DECEMBER (1871-1900)

Specimen { RAINFALL 2.34
(for Shields) RAIN DAYS 16

Malin Head & Blacksod-Belmullet Values are for only 15 Yrs.



V. Means of DAILY TEMPERATURE

at 8 a.m. for the monthly period
December (1871-1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The barometer has now become more uniform over our Islands than of late. It is high (29.8 ins. and more), in the west of Ireland and apparently over Scandinavia, but lowest (29.4 ins. and less) in a shallow disturbance over southern Germany where the mercury is still falling.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind is light to moderate from N.W. in Scotland, N. in Ireland and very light from N.W. and N., or calm, over England. On the eastern shores of the North Sea it is stronger and more easterly in direction, but at Munich it is S.W. Temperature ranges from 43° at Valencia and 40° at Jersey to between 21° and 27° over England, and is decidedly below the average in both countries. In Scotland it varies from 37° to 46° and agrees closely with the average. It has risen in the north, and fallen in the central and southern districts. The weather over our Islands is dry - clear in Ireland, foggy over the inland parts of England, cloudy in Scotland. Sea is smooth or nearly so except in the far west.

During yesterday the thermometer rose to between 40° and 44° in several parts of the Kingdom, but fell to between 20° and 25° in several parts of England. Early this morning, a little more rain or snow fell generally in Scotland, sporadically in France and England. Bright sunshine was again greatest (6 to 7 hours) on the south coast of England.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer is still rising in our Islands and pressure becoming more uniform than of late. Variable N.W. airs and calms are probable in the United Kingdom, with increasing fogs inland. Over the North Sea N.E. breezes are probable.

FORECASTS *

For the 24 hours ending at NOON on 21st December 1901

DISTRICTS.

FORECASTS.

0	{ SCOTLAND NORTH	{ N.E. winds, light or calm; fair, foggy in places, cold.
1	{ SCOTLAND EAST	
2	{ ENGLAND N.E.	{ N.W. or N.W. winds and calms; dry, but foggy inland.
3	{ ENGLAND EAST	
4	{ MIDLAND COUNTIES	
5	{ ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	{ SCOTLAND WEST	{ N.W. winds, moderate; fine
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	*	*	*	*	*	*	*	*	*	*	m	*	3	38	25	5.5	-
Newton Reigny (Perrith)	29.48	33	WNW 2	0	29.68	+ .34	27	26	- 1	2.0	0	*	3c, os	36	25	4.0	-
Bath	29.51	33	W 1	c	29.64	+ .23	24	24	- 5	W 1	f	*	c	42	28	2.3	-

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, 6 p.m.	36	28	3c	3.7	-	Worthing	*	*	*	6.0	*
Birmingham, 9 p.m.	35	29	3	0.3	-	Llandudno	*	*	*	2.7	*
Lowestoft, 6 p.m.	38	29	3w	5.1	-	Rhyl	*	*	*	4.3	*
Hastings	*	*	*	6.9	*	Southport, 9 p.m.	37	25	os	0.6	0.06
Eastbourne	*	*	*	6.6	*	Manchester, 9 p.m.	33	21	f, c, 3	0.0	0.02
Brighton	*	*	*	4.8	*	Darwen, 9 p.m.	34	24	3	2.6	0.05

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

STATIONS.	TEMPERATURE.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal) DEC. 19 th	-	-	-	Ins.	Algiers ... DEC. 19 th	45	50	c, r	0.16
Madrid	-	-	-	-	Tunis...	50	48	c, o	-
Corsica (I. Sanguinaires)	57	41	m, f	0.04	Vienna	50	32	o, b	-
Rome	59	51	c, o	-	St. Petersburg...	25	12	b, c	-
Florence	55	43	b, o	-					
Trieste	54	46	o, o	-	Lugano ... DEC. 18 th	37	-	r	Measured 7 a.m. 18 th 0.91
Brindisi...	65	58	o, o	-	Davos	37	-	o	0.20
Naples	61	48	c, o	-	Lucerne	36	-	o	-
Palermo	46	53	b, c	-	Lausanne	37	-	c	0.04

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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.	DEC. 20 th 1901.	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	8.4	11.51	3.38
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Greenwich	8.5	11.58	3.51
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick	9.3	12.10	3.17
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.	Valencia	8.49	12.39	4.29
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 *Saturday 21st December, 1901.*

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.			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.	Dirac.	Force (0 to 12.)	Weather.	Max.			Min.	Sun- shine Hours			
																				Ins.		Ins.
SCANDINAVIA.	Haparanda†	30.09	17	E	2	0	30.13	-0.02	-10	-10	-2.1	N	2	f	0	18	-10		0.04			
	Hernösand†	29.72	17	Z	0	0	30.04	-0.02	18	17	+9	Z	0	0	0	23	9		-			
	Stockholm†	29.95	31	E	2	0	29.86	-0.13	33	33	+4	NE	2	r	0	33	25		0.08			
	Wisby†	29.78	36	NE	4	0	29.75	-0.11	36	35	+2	E	4	m	0	41	19		0.04			
	Karlstad†	29.91	29	NE	4	5	29.85	-0.16	29	28	+3	NE	4	m	5				0.39			
	Fæder (X'ania Fjörda)	29.91	31	NE	6	0	29.84	-0.10	30	29	+1	N	6	0	3	31	28		-			
	Boda	29.98	23	E	4	C	29.95	0	30	27	+7	E	4	0	1	30	18		-			
	Christiansund	29.94	29	E	3	3	29.86	-0.02	25	23	-6	E	2	3	4	32	25		-			
	Skudesnaes	29.65	34	NNE	2	C	29.75	-0.08	35	33	0	Z	0	3	2	36	32		-			
	Sumburgh Head	29.81	38	SE	2	3	29.63	-0.12	40	37	+3	ESE	3	0	5	30, 3	42	35		0.02		
BRITISH ISLANDS.	Stornoway	29.75	33	Z	0	3C	29.54	-0.25	38	36	+1	S	2	3C	2	3, 3C	41	29	3.1	-		
	Malin Head	29.71	41	NNW	4	3C	29.47	-0.30	33	32	-9	S	2	3C	2	2, 3C	43	31		-		
	Blacksod Pt.	29.76	36	WNW	1	3	29.41	-0.44	38	36	-3	SE	4	C	3	C, 3	43	34		0.01		
	Valencia...	29.79	36	Z	0	Cm	29.41	-0.44	42	39	-1	SE	6	72	5	Cv, cm	45	36	4.3	0.02		
	Roche's Point	29.75	37	NNW	3	3	29.50	-0.30	42	39	+5	SSE	3	C	3	3	42	30		-		
	Parsonstown	29.75	32	NW	1	3	29.50	-0.30	29	29	0	SE	1	3C	1	3C	37	23	3.8	-		
	Donaghadee	29.70	41	NNW	3	3	29.54	-0.20	30	29	-10	NW	1	3	1	3	43	28		-		
	Liverpool Obsy.	29.68	36	N	1	3	29.59	-0.08	28	27	-7	SSE	1	3	2	3C	38	28		-		
	Holyhead	29.69	41	NNE	2	3	29.55	-0.15	34	33	-7	SE	1	C	1	C, 3	41	32		-		
	Pembroke (St. Ann's)	29.68	39	NE	2	3C	29.56	-0.12	38	36	+3	ESE	5	3C	3	3C	45	33	5.1	-		
GERMANY, &c.	Scilly (St. Mary's)...	29.68	44	N	4	Cxp	29.57	-0.07	41	38	-1	SSE	1	3C	1	C, Cxp	46	37	5.1	0.01		
	Jersey (St. Aubius)...	29.67	37	NW	2	0	29.64	+0.02	35	34	-5	WSW	2	om	1	3C	41	32	5.0	-		
	Portland Bill	29.68	33	N	1	3m	29.65	+0.02	31	31	+1	NNE	1	3m	1	om, 3m	35	30		-		
	Dungeness	29.60	31	N	2	f	29.64	+0.05	29	29	-1	NNW	2	f	1	f	33	26		-		
	Wick	29.75	39	E	2	3C	29.57	-0.14	40	39	0	SSE	4	r	5	3C	44	33		0.20		
	Nairn	29.76	32	Z	0	3	29.58	-0.14	34	33	-3	E	1	r	1	3	38	29		0.05		
	Aberdeen	29.77	39	E	5	C	29.57	-0.03	40	39	0	SE	4	ogor	5	30, 3	41	27	0.6	0.17		
	Leith	29.70	34	SE	1	0	29.51	-0.14	36	36	-1	Z	0	f		C, r	39	31		0.27		
	North Shields	29.65	37	NW	3	r	29.52	-0.09	35	35	-1	W	1	om	2	P, C, r	40	33		0.30		
	Spurn Head	29.57	37	NNW	4	r	29.55	-0.02	35	35	+2	W	3	f	3	rf	38	32		0.16		
FRANCE.	Yarmouth	29.53	36	NW	3	df	29.56	+0.03	34	33	+3	WNW	C	f	3	r, df	36	30		0.08		
	Loughborough	29.66	29	WNW	1	C	29.62	-0.01	25	25	-2	E	1	3f		f, C, P, m	33	25		-		
	Oxford	29.67	33	NW	1	0	29.64	-0.02	25	25	+4	SW	2	f		C, f	33	21		-		
	London (Brixton)	29.65	34	NW	1	of	29.64	+0.02	33	32	+7	NW	1	og		of, og	35	26	0.0	-		
	The Scaw (Skagen)	29.78	33	ENE	5	S	29.73	-0.07	34	34	+3	ENE	3	r	1	S	34	30		0.12		
	Fanø	29.66	34	NE	2	0	29.65	+0.05	34	34	0	NE	2	0		0	36	34		-		
	Cuxhaven	29.57	33	Z	0	f	29.61	+0.13	34	33	-1	Z	0	f		f	36	32		-		
	The Helder	29.54	33	SSE	1	0	29.59	+0.14	31	31	-4	ESE	1	m	0	0	36	30		0.04		
	Brussels...	*	*	*	*	*	29.59	+0.09	34	34	+2	SSW	1	f		f	35	26		0.08		
	Berlin	29.57	33	Z	0	f	29.63	+0.21	30	30	-5	S	1	f		f	37	28		-		
SPAN. PEN.	Frankfurt	29.60	33	E	1	0	29.59	+0.19	32	31	0	N	2	0		0	34	32		-		
	Munich	29.57	29	E	4	0	29.55	+0.19	29	29	-1	SW	2	f		0	34	28		-		
	C. Gris Nez	29.62	37	NNW	3	C	29.63	+0.03	36	36	0	N	1	C	1	C	41	34		-		
	Brest	29.70	34	NE	1	C	29.65	+0.03	39	36	+3	ENE	1	3	1	3	43	34		0.04		
	Lorient	29.67	40	NNE	3	3	29.66	+0.05	37	37	0	E	2	m	2	3	48	34		-		
	Rochefort	29.65	33	N	2	3	29.73	+0.13	31	31	-3	Z	0	m		3	36	30		-		
	Biarritz	29.65	37	ESE	2	0	29.74	+0.20	37	35	-1	SSW	3	3	3	0	39	34		0.04		
	Paris	29.50	31	Z	0	f	29.65	+0.12	32	32	0	WNW	2	0		0	41	32		-		
	Belfort	29.50	31	Z	0	f	29.60	+0.17	31	31	0	SSW	2	f		f	33	31		-		
	Lyons	29.54	32	N	1	S	29.68	+0.17	31	31	-2	N	1	S		S	39	31		0.32		
SPAN. PEN.	Nice	29.43	48	E	6	C	29.63	40	39	SE	4	0	5	C	48	39			1.18	-		
	Perpignan	29.51	39	W	3	C	29.68	+0.22	36	33	-3	NW	2	3		C	43	32		-		
SPAN. PEN.	Corunna	29.80	44	N	4	3	29.87	+0.16	45	41	+3	NNW	3	0		3	48	43		0.04	-	
	Lisbon	29.80	44	N	4	3	29.87	+0.16	45	41	+3	NNW	3	0		3	48	43		0.04	-	
SPAN. PEN.	Azores (P. Delgada)	29.80	44	N	4	3	29.87	+0.16	45	41	+3	NNW	3	0		3	48	43		0.04	-	
		29.80	44	N	4	3	29.87	+0.16	45	41	+3	NNW	3	0		3	48	43		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 Saturday, 21st December, 1901.

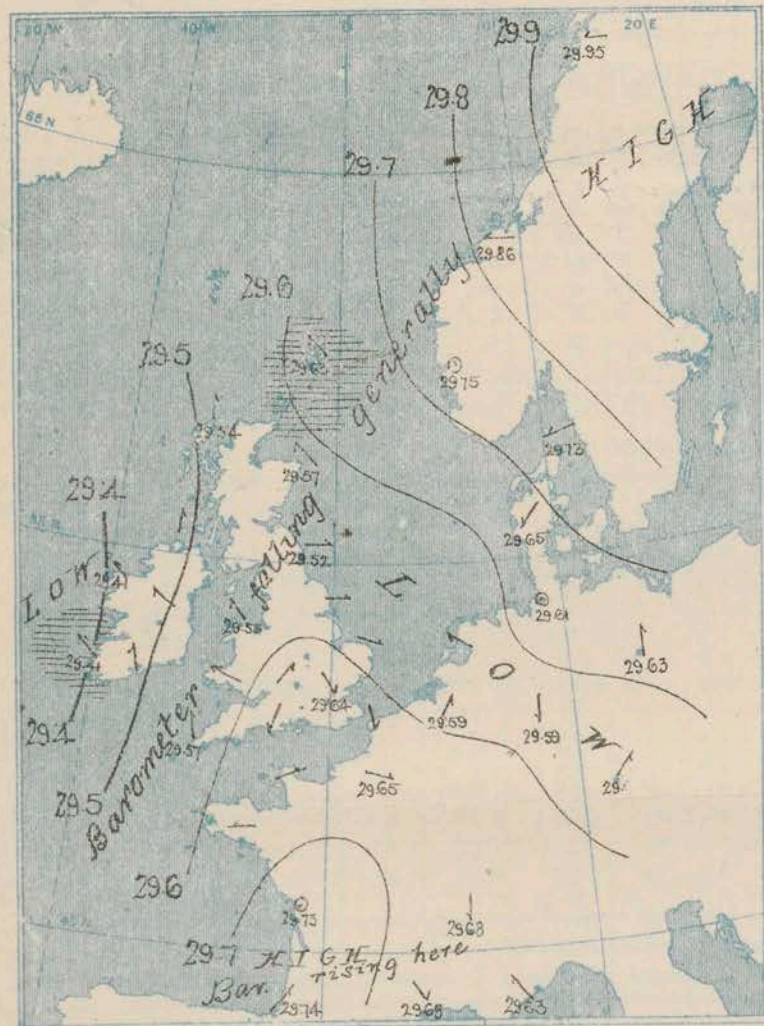
I. BAROMETER, WIND AND SEA. This Morning.

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

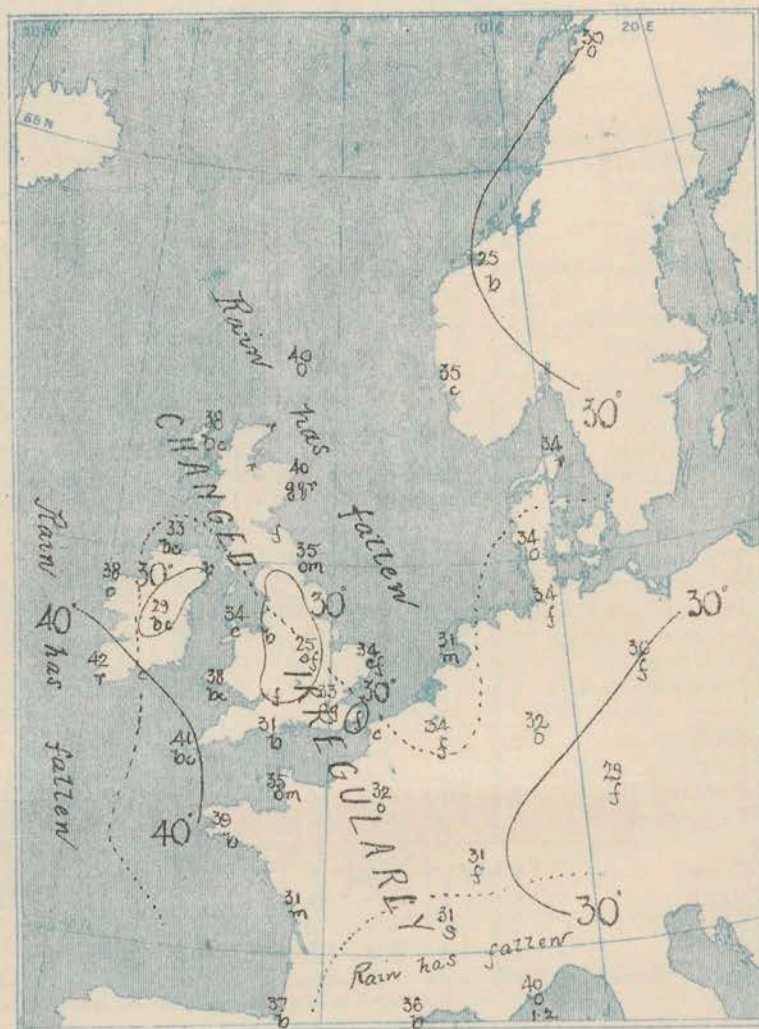


II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

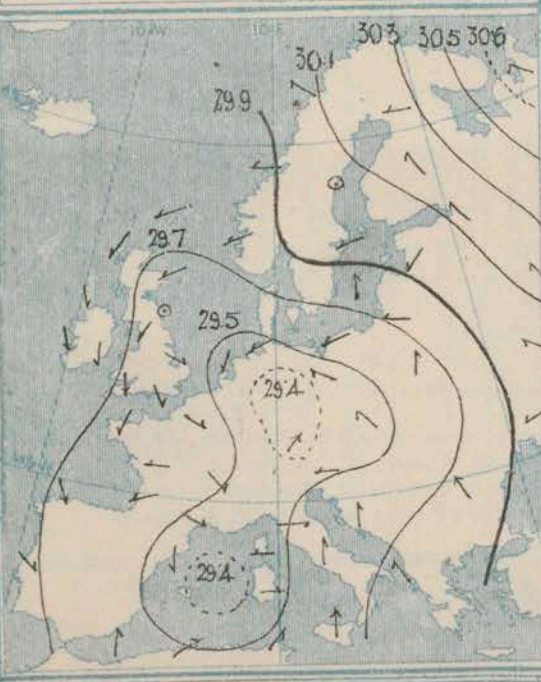
WEATHER.—Shown by Letters of the Beaufort Scale. (See P 4)

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

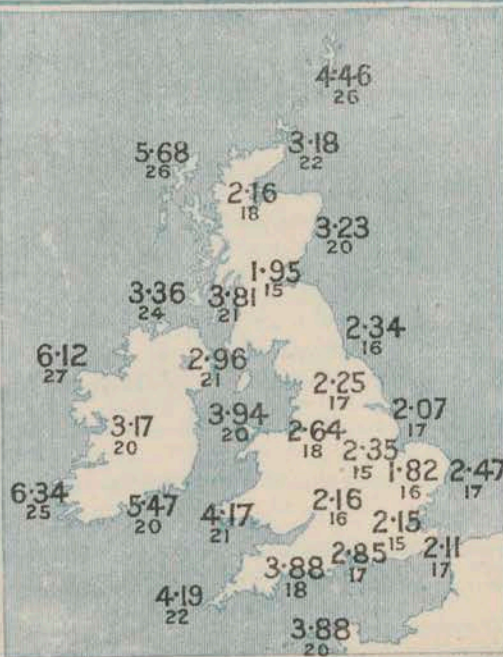
Yesterday morning.



IV. Average RAINFALL and NUMBER OF RAIN DAYS in month of DECEMBER (1871-1900)

Specimen { RAINFALL 2.34
(for Shields) { RAIN DAYS 16

Main Head & Blacksod-Belmullet Values are for only 15 Yrs



V. Means of DAILY TEMPERATURE

at 8 am. for the monthly period

December (1871-1900.)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The distribution of pressure over Northwestern Europe is changing very considerably. In the course of the night the barometer has begun to fall fast in Ireland, and readings now vary from 29.7 ins. over the greater part of France and over Scandinavia, to 29.6 ins. and less over southern Germany, and to 29.4 ins. on the west coast of Ireland.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind has shifted to SE both in Ireland and at Scilly, and already blows strongly at Valencia. Over the east of England the North Sea and the Continent it is very variable in direction and light in force. Temperature ranges from 42° in the south of Ireland and 40° at Wick and Lumburgh Head, to 30° at Berlin, 25° at Doughtyborough and Oxford, 22° at Bath, 29° at Parsonstown. The values over the British Islands are as a whole lower than the average - especially inland - but the distribution of temperature is rather irregular. Rain has set in at Valencia and the northeast of Scotland. In many parts of England the weather is fine, but fog prevails at several stations and darkness in London. The sea is rough and rising at Valencia.

During the past 24 hours temperature has changed very fitfully. The minima recorded early this morning were not nearly so low as those on Friday. Rain, hail, or sleet has been measured at our northeastern stations. Bright sunshine has been greatest (5 hours) at our extreme southwestern stations.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A new area of low pressure, apparently of considerable size, is approaching our western coasts from the Atlantic, and S^{ly} gales are probable in those regions with rain. The Irish Coasts have been warned.

FORECASTS *

For the 24 hours ending at NOON on 22nd December 1901

DISTRICTS.

FORECASTS.

0	{ SCOTLAND NORTH	S ^{ly} winds, increasing in force, with rain
1	{ SCOTLAND EAST	Variable airs, followed by freshening S ^{ly} winds; fair at first, then milder and rainy.
2	{ ENGLAND N.E.	
3	{ ENGLAND EAST	W ^{ly} and variable airs with fair weather; afterwards S ^w & S ^{ly} milder and then rainy
4	{ MIDLAND COUNTIES	
5	{ ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	{ SCOTLAND WEST	Same as No 0.
7	{ ENGLAND N.W.	SE ^{ly} to S ^{ly} winds, strong, squally, rainy; appearance unsettled. Milder.
8	{ ENGLAND S.W.	
9	{ IRELAND NORTH	S ^w and SW ^{ly} gales, and rain.
10	{ IRELAND SOUTH	

WARNINGS

At 10 am. today to districts 9 & 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.							PART 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	*	o	38	29	0.0	-
Newton Reigny (Penrith)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Bath	29.58	30	W. 1	bc	29.38 -19	28	28	+6	NE. 2	c	*	bc	34	20	1.8	-

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine.	Rainfall.	STATIONS.	TEMPERATURE.		Weather.	Sunshine.	Rainfall.
	Max.	Min.					Max.	Min.			
Harrogate, 6 p.m.	35	30	b	5.2	0.08	Worthing	*	*	*	2.0	*
Birmingham, 9 p.m.	36	26	cb	5.0	-	Llandudno	*	*	*	5.7	*
Lowestoft, 6 p.m.	*	*	*	*	*	Rhyl	*	*	*	*	*
Hastings	*	*	*	*	*	Southport, 9 p.m.	32	24	br	0.0	-
Eastbourne	*	*	*	*	*	Manchester, 9 p.m.	36	21	bf	0.0	-
Brighton	*	*	*	*	*	Darwen, 9 p.m.	*	*	*	*	*

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

STATIONS.	TEMPERATURE.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal) DEC. 21 st	63	48	c, c	Ins.	Algiers ... DEC. 21 st	55	45	c, r	0.20
Madrid	43	19	c, b	-	Tunis	66	39	c, c	-
Corsica (I. Sanguinaires)	55	39	c, m	0.16	Vienna	46	34	c, c	-
Rome	60	47	o, o	0.47	St. Petersburg	37	19	s, o	0.04
Florence	55	39	b, b	0.16	Lugano ... DEC. 20 th	41	-	r	1.58
Trieste	59	50	c, c	-	Davos	37	-	b	-
Brindisi	64	55	o, c	-	Lucerne	36	-	m	-
Naples	59	47	o, b	-	Lausanne	37	-	c	0.04
Palermo	66	43	b, b	-					

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.	DEC. 22 nd 1901.	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	8.5	11.52	3.39
Germany, Denmark, } Norway, Sweden ... }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Greenwich	8.6	11.59	3.52
France	7 a.m. (Paris) ...	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick	9.4	12.11	3.18
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.	Valencia	8.50	12.40	4.30
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 *Monday, 23rd December, 1901.*

Issued by the Meteorological Office, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING (See note on last page.)										PAST 24 HOURS.				
		BAROM.		TEMP.		WIND.	BAROMETER.		TEMPERATURE.				WIND.		Weather.	Sea (0 to 9.)	TEMP.				
		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.	Sun- shine. Hours	Rainfall Ins.		
																				Ins.	Ins.
SCANDINAVIA.	Haparanda ...	30.26	2	N	2	c	30.51	+12	11	11	+28	N	2	c	c	11	-22	*	-		
	Hernösand ...	30.20	16	Z	0	o	30.24	+16	19	16	+2	Z	0	o	o	19	16	*	-		
	Stockholm ...	30.02	29	NE	2	S	30.11	+22	22	22	-9	NE	2	3	s	32	22	*	0.04		
	Wisby ...	29.89	35	NE	2	o	29.96	+18	33	32	-2	E	4	o	o	41	30	*	-		
	Karlstad ...	30.02	30	E	4	s	30.07	+09	27	?	-1	ENE	4	o	s	*	*	*	-		
	Färder (X'ania Fjord) ...	29.94	33	NNE	4	o	30.00	+18	31	31	0	ENE	4	o	2	o	33	28	*	-	
	Bodö ...	30.35	27	ENE	6	3	29.97	+05	29	27	0	ENE	4	c	1	3	29	25	*	-	
	Christiansund ...	29.76	42	SE	2	3c	29.84	+11	37	33	+9	SE	2	3c	3	3c	42	28	*	-	
	Skudesnaes ...	29.78	39	SE	4	o	29.75	+13	40	37	+1	SSE	2	o	3	o	40	34	*	-	
	Sumburgh Head ...	29.48	39	SE	4	r	29.49	-01	42	39	+1	SE	4	o	6	r	42	39	*	0.09	
BRITISH ISLANDS.	Stornoway ...	29.48	29	Z	0	3	29.37	-06	36	34	+8	S	4	o	4	3c	39	24	2.3	-	
	Malin Head ...	29.52	34	SE	2	3c	29.24	-14	36	35	+2	SE	4	o	3	3c, m	37	32	*	-	
	Blacksod Pt. ...	29.50	40	SW	3	r	29.28	+02	40	37	0	S	5	r	4	c, m	42	38	*	0.16	
	Valencia ...	29.48	43	Z	0	r	29.43	-37	41	39	-4	SSE	4	r, 3	4	r	45	41	0.0	0.31	
	Roche's Point ...	29.45	46	SSE	5	o	29.49	+31	42	40	-3	SW	3	o	4	r, o, p	48	39	*	0.28	
	Parsonstown ...	29.50	34	E	1	o	29.43	+17	36	35	-2	SE	1	o	*	c	40	33	1.6	0.10	
	Donaghadee ...	29.49	39	ESE	3	3c	29.43	+08	36	36	-3	SW	1	r	1	3c, f	41	29	*	0.02	
	Liverpool Obsy. ...	29.55	27	ESE	1	o	29.59	+16	25	24	+2	SE	2	3	?	c, m	29	23	*	-	
	Holyhead ...	29.51	34	S	1	3c	29.53	+17	40	38	+9	SSE	3	o, m	2	c, 3c	40	30	*	-	
	Pembroke (St. Ann's) ...	29.48	36	E	4	o	29.56	+28	46	42	+9	S	6	c, w	5	c	46	33	1.7	-	
GERMANY, &c.	Scilly (St. Mary's) ...	29.32	45	ESE	7	o	29.62	+50	45	43	0	WSW	3	o, p	5	o	47	40	0.0	0.06	
	Jersey (St. Aubins) ...	29.49	34	E	3	3	29.82	+46	36	34	+2	SE	3	3c	3	c, 3m	41	31	0.9	-	
	Portland Bill ...	29.50	38	ESE	3	3c	29.72	+37	40	38	+3	SSW	3	3c	3	c, 3c	40	34	*	-	
	Dungeness ...	29.48	38	NE	3	o	29.76	+33	30	30	-7	N	1	f	1	o	39	29	*	-	
	Wick ...	29.48	38	Z	0	4	29.42	-01	40	39	-2	SSE	2	c	4	c	47	33	*	0.11	
	Nairn ...	29.52	33	W	1	o	29.41	-03	33	33	+4	Z	0	r, s	1	c	33	26	*	0.14	
	Aberdeen ...	29.48	36	NW	2	o	29.43	-02	35	35	-1	S	1	o, m, r	3	o, r, s	40	35	0.0	0.21	
	Leith ...	29.46	30	WSW	1	o	29.45	+03	29	29	-2	Z	0	o, f	*	c	34	28	*	0.03	
	North Shields ...	29.51	33	WSW	1	3	29.53	+14	32	31	+3	WSW	1	m	2	3m	34	27	*	-	
	Spurn Head ...	29.54	33	W	2	f	29.63	+21	28	28	-3	SSW	3	f	3	f	35	27	*	-	
FRANCE.	Yarmouth ...	29.49	34	N	1	s	29.69	+24	25	25	-5	W	3	f	4	r, s, f	35	25	*	0.42	
	Loughborough ...	29.56	26	N	1	o	29.68	+22	25	25	+5	SE	2	o, m	*	f, s, p, o, n	28	20	*	0.01	
	Oxford ...	29.59	31	Z	0	o	29.75	+31	22	22	-4	S	1	f	*	c, n	32	22	*	-	
	London (Br'xton) ...	29.53	35	Z	0	f	29.75	+32	27	27	-4	Z	0	f	*	3f	37	27	0.0	-	
	The Scaw (Skagen) ...	29.85	36	ESE	3	r	29.89	+18	34	34	-3	ESE	3	o	1	r	37	30	*	0.04	
	Fanö ...	29.68	35	E	6	o	29.73	+08	35	35	+2	E	4	r	*	o	36	32	*	0.04	
	Cuxhaven ...	29.60	33	E	5	o	29.70	+07	34	33	0	E	2	o	*	o	34	32	*	-	
	The Helder ...	29.50	32	ESE	1	m	29.66	+17	32	32	+1	S	1	o	o	m	37	30	*	-	
	Brussels ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Berlin ...	29.59	33	SE	2	o	29.64	-06	34	34	+1	E	3	f	*	o	34	32	*	-	
SPAN. PEN.	Frankfurt ...	29.43	24	N	4	o	29.65	+16	36	35	+2	N	2	o	*	o	36	34	*	-	
	Munich ...	29.28	30	SW	4	f	29.55	+13	30	30	+4	W	6	s	*	f	30	25	*	0.04	
	C. Gris Nez ...	29.58	34	SSE	2	m	29.77	+29	34	34	+1	NNE	1	o	1	m	41	32	*	-	
	Brest ...	29.41	37	ESE	4	o	29.76	+58	36	36	-1	ESE	3	o	4	o	41	34	*	-	
	Lorient ...	29.48	31	ESE	4	m	29.82	+58	33	32	-2	SE	2	m	4	*	41	28	*	-	
	Rochefort ...	29.51	33	NNE	3	o	29.83	+51	33	33	+5	Z	0	o	*	o	34	28	*	-	
	Biarritz ...	29.27	41	SE	2	o	29.82	+63	39	36	-1	SSW	2	3	5	o	46	36	*	-	
	Paris ...	29.48	33	N	2	o	29.78	+34	31	30	+1	WSW	1	o	*	o	36	30	*	-	
	Belfort ...	29.33	31	ENE	1	m	29.68	+34	30	28	-1	WSW	2	m	*	m	33	28	*	-	
	Lyons ...	29.43	33	Z	0	o	29.79	+41	32	30	+2	NW	1	o	*	o	34	30	*	-	
SPAN. PEN.	Nice† ...	29.25	43	E	3	o	29.54	+37	40	39	-6	E	4	3c	4	o	48	39	*	0.16	
	Perpignan† ...	29.30	34	Z	0	c	29.62	+33	42	34	+15	NW	5	3	*	c	45	27	*	-	
SPAN. PEN.	Corunna ...	29.81	49	NW	5	o	30.08	+58	49	45	0	NW	4	3	*	o	54	45	*	0.08	
	Lisbon ...	30.34	59	SW	2	o	30.33	+08	59	53	-1	W	4	m	7	o	64	57	*	-	
	Azores (P. Delgada) ...																				

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 23rd December, 1901.

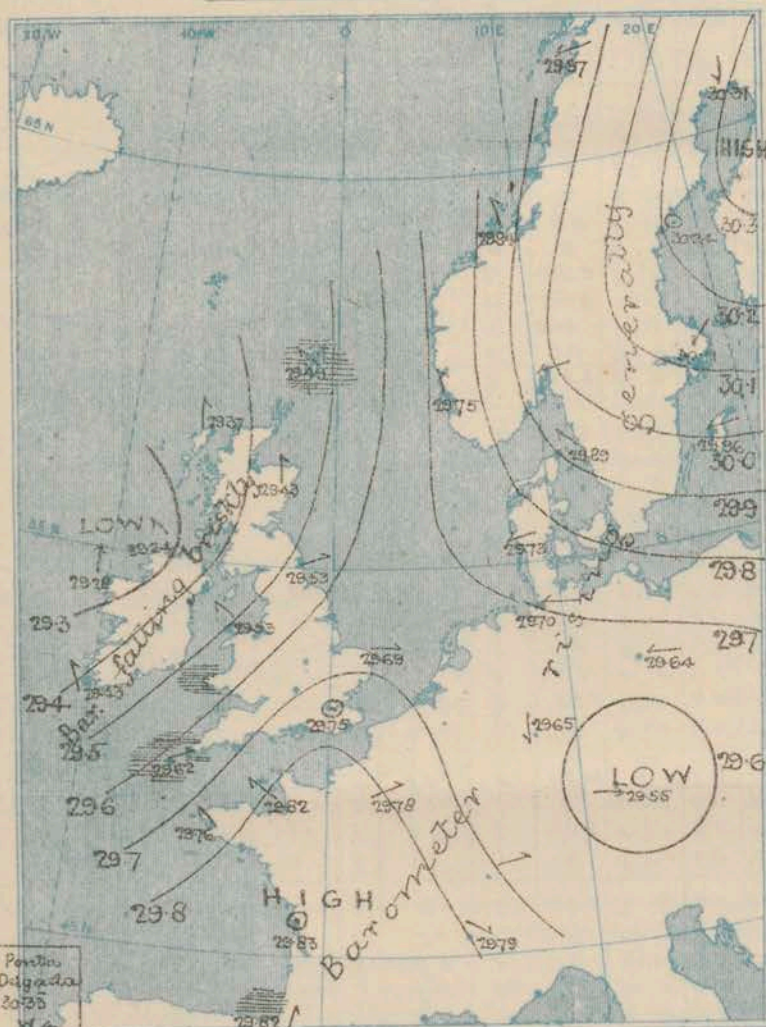
I. BAROMETER, WIND AND SEA. This Morning.

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 :

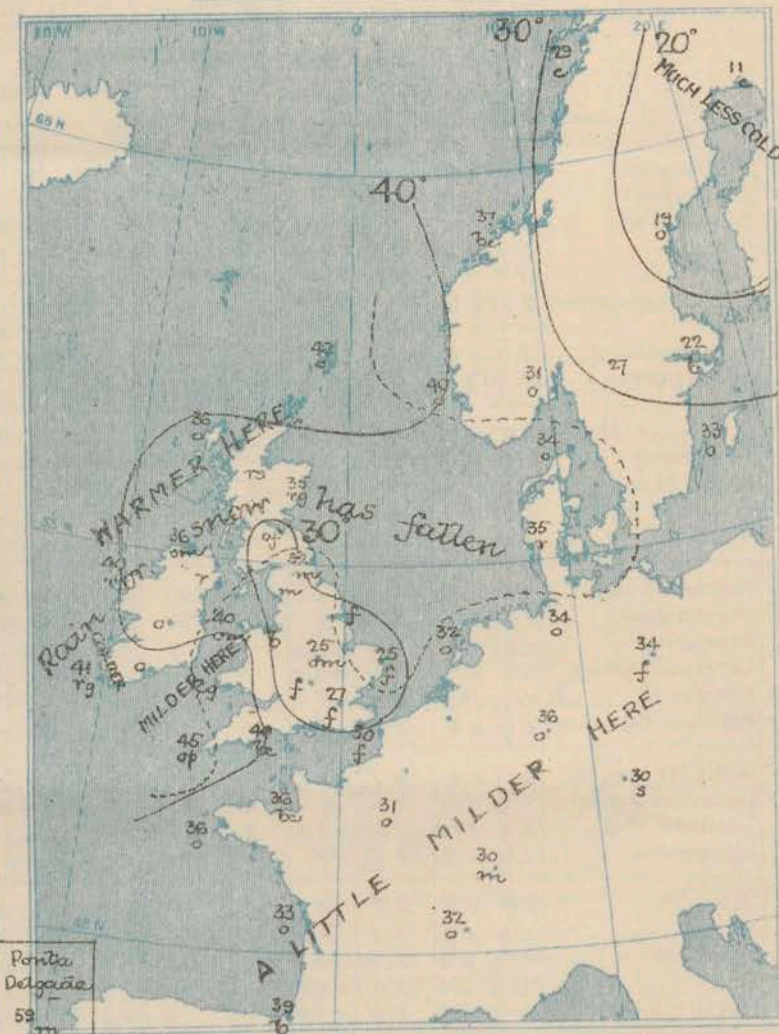


II. TEMPERATURE AND WEATHER. This Morning.

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.

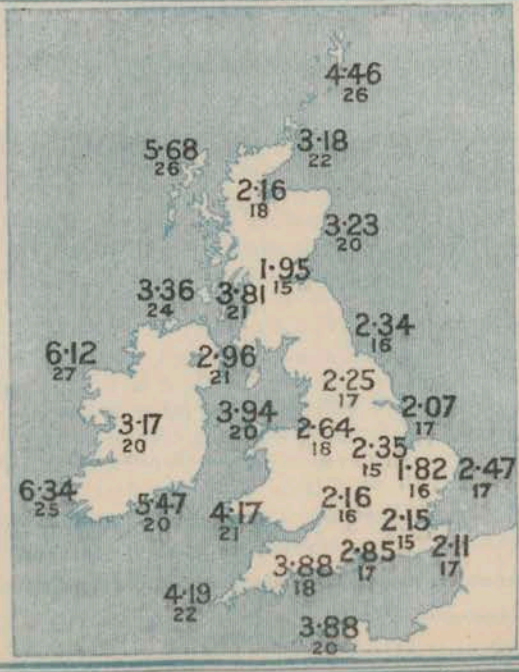


IV. Average RAINFALL and NUMBER OF RAIN DAYS

in month of DECEMBER (1871-1900)

Specimen { RAINFALL 2.34
(for Shields) { RAIN DAYS 16

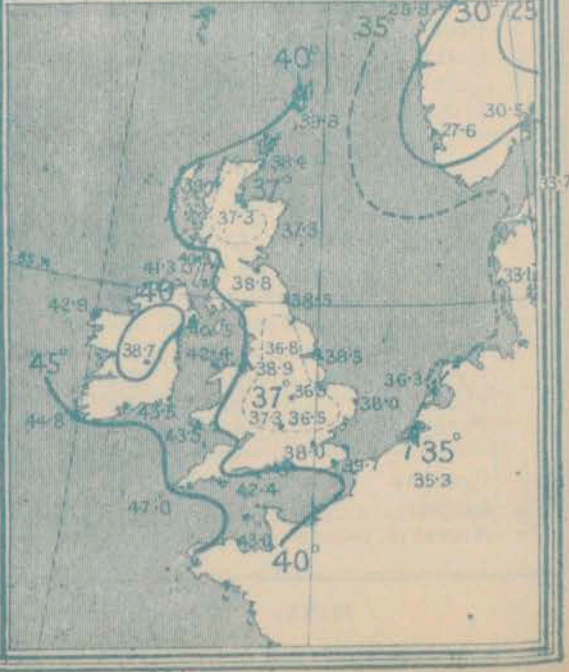
Malin Head & Blacksod-Belmullet Values are for only 15 yrs



V. Means of DAILY TEMPERATURE

at 8 am. for the Two monthly period

December - January (1871-1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The barometer continues highest, 30.3 ins. and upwards, over Finland and above 30.0 ins. over nearly the whole of Scandinavia. It is also relatively high, 29.8 ins. and upwards, over the Bay of Biscay and the west of France. The lowest readings are found in a disturbance which has advanced to the west of Scotland during the night and the barometer in that region is already below 29.5 ins. Over the southern parts of Germany pressure is also low, the barometer at Munich standing at 29.5 ins. The barometer is still rising in the east and south, falling decidedly in the west and northwest.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind is still light and variable on our extreme southeastern coasts, but in all other parts of the kingdom it has shifted towards south and is already increasing in force in Ireland. Over Scandinavia and Denmark the wind is light to moderate from the east while over Germany there is a feeble cyclonic circulation. Temperature remains much below the normal over central and eastern England, the readings ranging from 21° at Bath and 22° at Oxford to 25° at Yarmouth and 32° at Shields. In the west and extreme north the temperature differs very little from the mean. At most of the French and German stations it is a little above or slightly below the freezing point, while in Sweden the readings range from 33° at Wisby to 11° at Upparanda. The weather has become dull and rainy in Ireland and Scotland, but is fair and dry in most other parts of our area. Much fog, however, prevails over England and snow is falling in southern Germany. The sea is rather rough in the southwest as well as off the Shetlands, moderate to smooth elsewhere.

Rain has fallen at many of our western stations and snow or rain on several parts of our northern and eastern coasts. The maximum temperatures recorded yesterday were below 32° over central England. Very little bright sunshine was registered in any part of our Islands, the greatest amount being 2.3 hours at Stromway.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The disturbance advancing towards our northwestern coasts seems likely to move eastwards or northeastwards, and to spread a good deal to the southward. Milder weather with S^{ly} and SW^{ly} winds and rain are, therefore, to be expected. In the extreme west gales are probable.

FORECASTS *

For the 24 hours ending at NOON on 24th December 1901

DISTRICTS.

FORECASTS.

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

0 S^{ly} winds increasing greatly in force; milder, rain or sleet at times.

3 Wind shifting to SW. or S., and freshening; fair and cold, then milder with rain in places.

DISTRICTS.

FORECASTS.


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


6 S^{ly} to SW^{ly} winds, increasing; milder, rainy.

9 S^{ly} to SW^{ly} or W^{ly} winds, strong, a gale in places; squally, rain at times. Mild.

WARNINGS

At 7.30 pm yesterday to districts 5, 7, 8, 9. *
"LOWER CONE"
At 10 am today to districts 9 & 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. 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	*	*	*	*	*	*	*	*	*	*	f	*	m	38	29	0.0	—
Newton Reigny (Penrith)	29.56	16	20	f	29.54		25	24		ESE 2	m	*	of, cm	27	12	0.0	—
Bath	29.59	30	NE 1	3	29.69	+ .31	21	21	- 2	NE 1.	f	*	3	32	21	0.0	—

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, 6 p.m.	31	21	3, m	0.0	-	Worthing	*	*	*	0.1	*
Birmingham, 9 p.m.	30	21	f	0.0	-	Llandudno	*	*	*	0.0	*
Lowestoft, 6 p.m.	*	*	*	0.0	*	Rhyl	*	*	*	*	*
Hastings	*	*	*	0.6	*	Southport, 9 p.m.	*	*	*	0.0	*
Eastbourne	*	*	*	0.6	*	Manchester, 9 p.m.	28	19	0, m	0.0	-
Brighton	*	*	*	0.6	*	Darwen, 9 p.m.	*	*	*	*	*

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

STATIONS.	TEMPERATURE.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal) DEC. 22				Ins.	Algiers ... DEC. 22				Ins.
Madrid					Tunis			Information	
Corsica (I. Sanguinaires)					Vienna			not arrived	
Rome			Information		St. Petersburg				
Florence			not		Lugano ... DEC. 21	43	—	r	Measured, 7 a.m. 22
Trieste			arrived.		Davos	32	—	bc	1.02
Brindisi					Lucerne	39	—	0	—
Naples					Lausanne	36	—	0	—
Palermo									

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.

DEC. 23, 1901.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	8.5	11.52	3.39
Greenwich	8.6	11.59	3.52
Wick	9.4	12.11	3.18
Valencia	8.50	12.40	4.30

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

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

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

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

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

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

DAILY WEATHER REPORT

for 8 a.m. on Tuesday 24th December

1901.

Issued by the Meteorological Office, 68, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.					
		BAROM.		TEMP.		WIND.	Weather.	BAROMETER.		TEMPERATURE.				WIND.		Weather.	Sea (0 to 9.)	Weather.	TEMP.		Sun- shine. Hours	Rainfall. Ins.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)			At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)	Max.				Min.			
																				Ins.		
SCANDINAVIA.	Haparanda ...																					
	Hernösand ...																					
	Stockholm ...																					
	Wisby ...																					
	Karlstad...																					
	Færder (X'ania Fjord)	30.00	28	ENE	4	o	29.80	-2.0	28	27	-3	NE	6	o	3	o	32	26				
	Bodö ...	29.96	26	ENE	4	b	29.87	-1.0	25	22	-4	ENE	4	b	1	b	30	23				
BRITISH ISLANDS.	Christiansund ...	29.68	40	SSE	5	c	29.59	-2.5	40	33	+3	ESE	4	bc	4	c	41	36				
	Skudesnaes ...	29.69	37	SSE	8	o	29.43	-3.2	35	32	-5	E	10	o	5	og	39	34				
	Sumburgh Head	29.25	40	SE	5	o	29.02	-4.7	40	38	-2	ESE	7	o	8	T, o	43	39	1.3	0.22		
	Stornoway ...	29.00	39	SE	5	o	28.74	-6.3	37	35	+1	SE	4	o	4	o	40	34				
	Malin Head ...	28.70	37	SW	6	rs	28.73	-5.1	41	39	+5	WNW	5	ogp	4	rs	41	32				
	Blacksod Pt. ...	28.67	46	W	9	rgm	28.92	-3.6	41	38	+1	WNW	5	bc	4	cqβm	47	36				
	Valencia...	29.16	45	WSW	8	cqβ	29.03	-4.0	44	39	+3	W	5	c	5	cqβ	49	35	0.4	0.37		
GERMANY, &c.	Roche's Point ...	29.14	43	W	5	bc	29.03	-4.6	40	37	-2	NW	3	c	4	bc, rg	48	38				
	Parsonstown ...	28.98	41	SW	5	r	28.95	-4.8	36	35	o	W	1	b		ots	43	33	0.6	0.31		
	Donaghadee ...	28.92	39	W	4	b	28.72	-7.1	40	39	+4	WNW	5	bcpg	3	rs, b	41	35				
	Liverpool Obsy. ...	29.10	34	SE	5	o	28.87	-7.2	40	38	+15	SW	6	bc	5	ots, r	42	25				
	Holyhead ...	29.00	44	WSW	7	cq	28.89	-6.4	44	41	+4	WSW	7	cqβ	6	r, cq	44	38				
	Pembroke (St. Ann's)	29.11	47	W	7	c	29.02	-5.4	45	41	-1	W	6	cq	6	c	48	40	0.0	0.39		
	Scilly (St. Mary's)...	29.26	45	WNW	8	r	29.11	-5.1	46	45	+1	WNW	5	o	5	r	48	43	0.0	0.32		
FRANCE.	Jersey (St. Aubins)...	29.63	38	S	5	omgr	29.24	-5.8	49	47	+13	SW	4	omr	4	omgr	49	35	1.6	0.48		
	Portland Bill ...	29.40	44	S	7	r	29.14	-5.8	46	44	+6	W	6	c	5	o, r	47	40				
	Dungeness ...	29.63	41	SW	6	o	29.15	-6.1	44	43	+14	WSW	4	c	5	o, gr	45	30				
	Wick ...	29.24	38	S	4	o	28.77	-6.5	39	39	-1	S	6	r	5	or	43	35				
	Nairn ...	29.04	37	ESE	2	c	28.73	-6.8	36	35	+3	Z	o	o	1	c	37	30				
	Aberdeen ...	29.18	39	SSE	8	orog	28.73	-7.0	42	39	+7	SE	6	ogp	6	og, gr	42	33	0.0	0.27		
	Leith ...	29.08	34	SE	2	o	28.60	-8.5	36	35	+7	Z	o	otsβ		ots	38	28				
SPAN. PEN.	North Shields ...	29.41	32	S	3	m	28.68	-8.5	38	38	+6	SW	3	c	2	m, s	38	30				
	Spurn Head ...	29.34	34	SSE	6	m	28.90	-7.3	37	36	+9	S	5	bc	4	m, rts	39	29				
	Yarmouth ...	29.58	36	S	3	c	29.07	-6.2	38	37	+13	SSW	5	bc	5	f, c, g	38	25				
	Loughborough ...	29.37	35	SSW	7	s	28.99	-6.9	38	36	+13	SSW	3	c		5, g, β	38	23				
	Oxford ...	29.29	34	SE	5	s	29.07	-6.8	39	37	+17	SW	3	o		c, g, rts	41	22				
	London (Brixton)	29.54	38	S	4	o	29.13	-6.2	39	37	+12	SW	1	b		om, omc	39	27	0.0	0.17		
	The Scaw (Skagen)	29.86	35	ESE	4	o	29.69	-2.0	32	32	-2	SE	5	o	2	o	37	32				
GERMANY, &c.	Fanö ...	29.70	36	ESE	4	o	29.42	-3.1	33	32	-2	ESE	6	s		o	37	32				
	Cuxhaven ...	29.72	34	Z	o	f	29.44	-2.6	33	32	-1	S	4	o		f	36	32				
	The Helder ...	29.68	31	S	1	m	29.19	-4.7	33	33	+1	S	4	o	2	m	37	30				
	Brussels...	*	*	*	*	*																
	Berlin ...	29.70	36	E	2	r	29.63	-0.1	33	33	-1	SSW	2	o		r	36	32				
	Frankfurt ...	29.80	34	SW	2	o	29.61	-0.4	33	32	-3	SSW	3	o		o	37	34				
	Munich ...	29.77	31	W	1	o	29.71	+1.6	29	28	-1	SE	4	c		o	34	28				
FRANCE.	C. Gris Nez ...	29.69	36	SW	4	m	29.25	-5.2	41	41	+7	W	5	r	5	m	46	34				
	Brest ...	29.59	45	SW	6	r	29.24	-5.2	50	50	+14	WNW	5	r	5	r	50	36				
	Lorient ...	29.68	46	SW	5	r	29.33	-4.9	53	53	+20	WSW	7	r	7	r	53	33				
	Rochefort ...	29.88	35	S	4	m	29.64	-1.9	53	50	+20	W	6	r		m	53	33				
	Biarritz ...	29.91	50	WSW	7	r	29.84	+0.2	52	47	+13	WSW	4	c	4	rg	52	39				
	Paris ...	29.82	32	S	2	b	29.40	-3.8	39	38	+8	SSW	4	o		b	39	31				
	Belfort ...	29.86	29	WSW	3	m	29.65	-0.3	27	26	-3	SW	2	o		m	31	27				
SPAN. PEN.	Lyons ...	29.95	32	N	1	o	29.79	-0.0	31	30	-1	WNW	1	o		o	33	28				
	Nice ...	29.71	46	SW	2	c	29.78	+2.3	42	39	+2	ENE	2	bc	2	c	50	37				
	Perpignan ...	29.84	45	NW	2	b	29.88	+2.6	41	37	-1	SW	1	o		b	51	39				
	Corunna ...																					
	Lisbon ...	30.23	50	W	2	o	30.18	+1.0	52	51	+3	SW	4	r		o	55	49				
	Azores (P. Delgada)																					

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

* Observations for this column not generally received.

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

WEATHER CHARTS

FOR Tuesday 24th December, 1901.

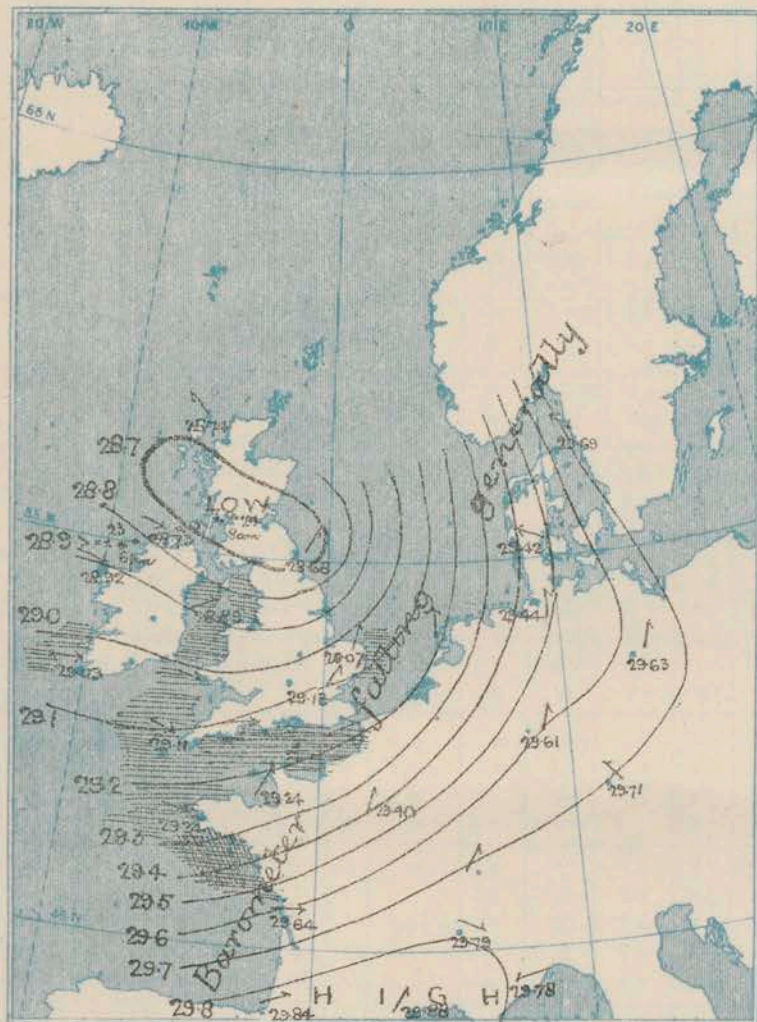
I. BAROMETER, WIND AND SEA. This Morning.

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 :

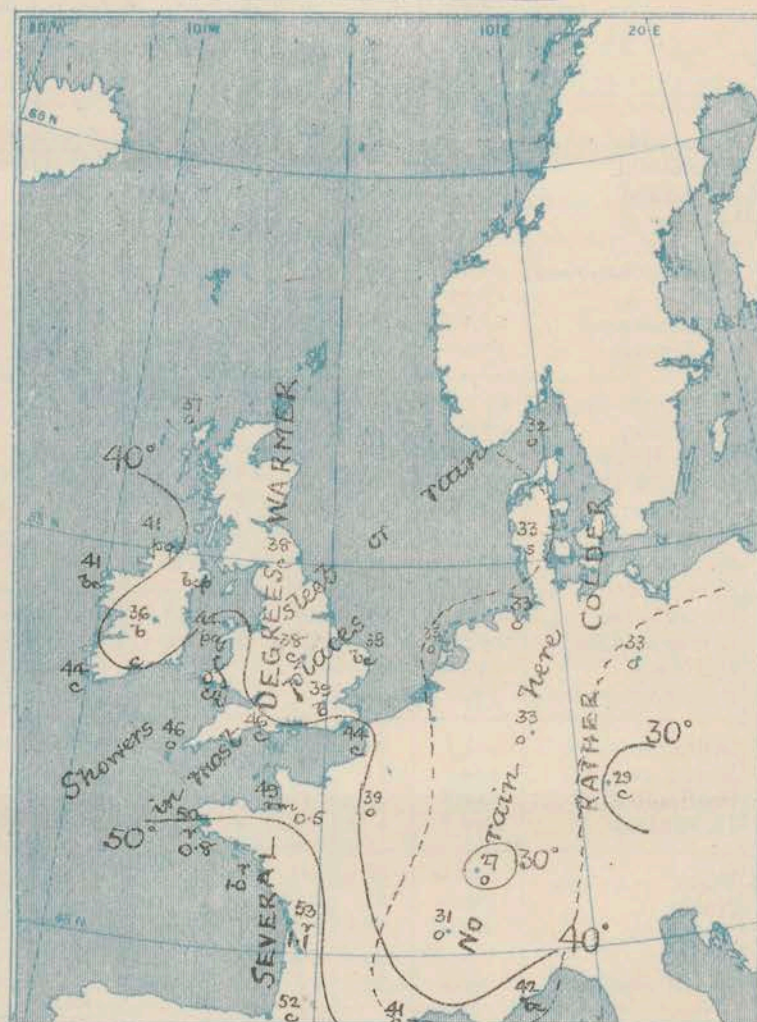


II. TEMPERATURE AND WEATHER. This Morning.

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—0.8



III. BAROMETER AND WIND

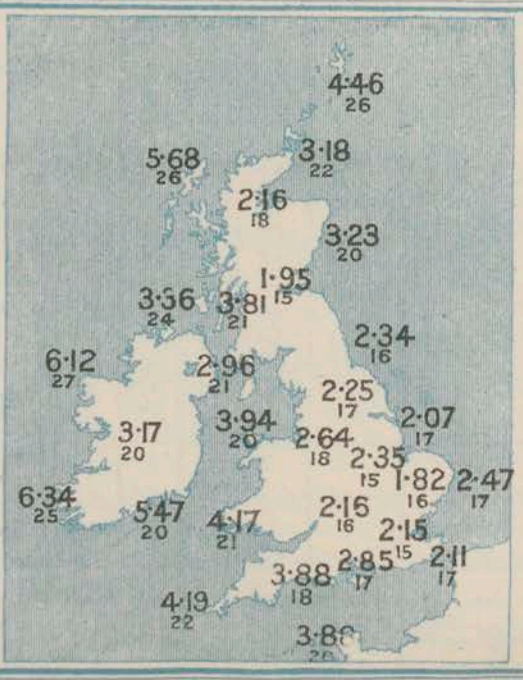
Yesterday morning.



IV. Average RAINFALL and NUMBER OF RAIN DAYS in month of DECEMBER (1871-1900)

Specimen { RAINFALL 2.34
(for Shields) { RAIN DAYS 16

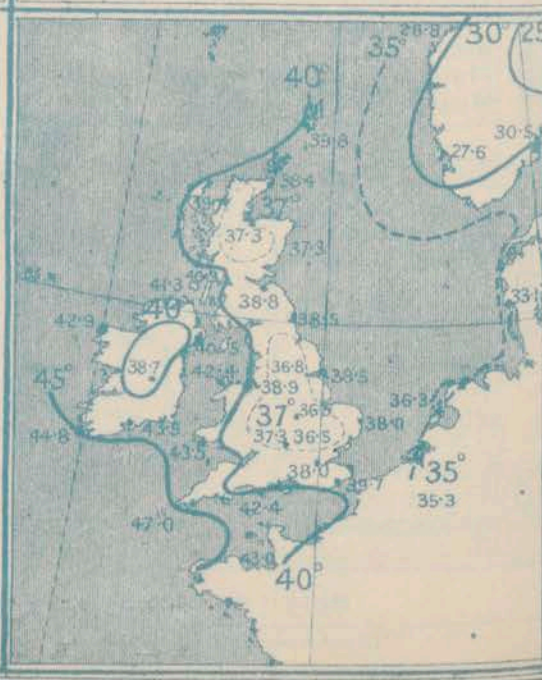
Main Head & Blacksod - Belmullet Values are for only 15 Yrs.



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 barometer is lowest, 28.6 ins, in a cyclonic disturbance which has advanced from the Westward and whose centre now lies over the South of Scotland. The reports from Scandinavia have not arrived and the highest readings are found over Spain and the extreme South West of France where the barometer stands at 29.8 ins. and upwards. Gradients are still rather steep in most places. The barometer is still falling generally; in the South West of Ireland a fresh fall has set in during the night.

WIND

The wind has veered to the W² or NW² in Ireland and to the W² in the West of England; in the Eastern parts of the Kingdom it is SW⁴ or S⁴; while in the North of Scotland a SE² breeze prevails. In force it is mostly moderate or fresh, but still blows strongly on many parts of our Western coasts, and with the force of a moderate gale at Holyhead. To the eastward of the North Sea strong SE⁴ winds prevail. Temperature has risen rapidly over England and France and less decidedly in Scotland. The readings now range from 46° on our Southern coasts to 38° over Central England and to 36° in Scotland and Central Ireland. In the West of France the thermometer stands at 52° or 53° while in the East of that country and over Germany it is about 32°. The weather has cleared in most parts of England and Ireland, but continues dull in Scotland; at Leith showers of sleet are prevalent. At most of the continental stations the weather is overcast, with rain at Brest and Rochefort and snow in Denmark. The sea is rather rough on most parts of our coasts.

TEMPERATURE

WEATHER

AND

SEA

Since yesterday morning rain or sleet has fallen in all parts of our Islands and their immediate neighbourhood; the amounts have been considerable in many places especially in the West of France. The highest of the maximum temperatures reported over the United Kingdom were 48° or 49° in the South of Ireland, but those at our Eastern stations were below 40°. A solar halo was observed at Oxford at midday yesterday. Bright sunshine was very deficient; in most places there was none.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The disturbance in the North seems likely to move slowly Eastwards, but will probably be followed shortly by other systems from the Atlantic. Rather mild and changable weather is therefore anticipated for the ensuing 24 hours.

NOTICE. The Reports for Wednesday, Thursday and Friday will all be published on Friday.

FORECASTS *

For the 24 hours ending at NOON on 25th December 1901

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	No forecast possible owing to absence of information.
1	SCOTLAND EAST	
2	ENGLAND N.E.	SW ² to W ² or NW ² winds of varying force; changeable, some showers, with bright intervals. Temperature changing fitfully.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	



DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as Nos 0 and 1
7	ENGLAND N.W.	Same as Nos 2 to 5
8	ENGLAND S.W.	W ² winds, fresh or strong; changeable, some showers.
9	IRELAND NORTH	Wind varying between N. and SW; some showers, bright intervals.
10	IRELAND SOUTH	

WARNINGS

At 4.30 pm. yesterday to districts 0, 1, 6, 7, and part of 8, and at 7.30 pm. to districts 2, 3, 5, and remainder of 8, "HOIST SOUTH CONE." The signals are still flying on all coasts.

Note—The South Cone, point downwards (), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.) to the South Cone. 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. 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.) to the North Cone. 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.

* 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.	Dry.	Wet.	Change.	Wind.	Weather.	Sea.	Weather.	Temperature. Max. Min.	Sun- shining Hrs.	Rainfall Ins.
Clacton-on Sea	*	*	*	*	*	*	*	*	*	b	*	b,c,c	40 28	1.2	0.04
Newton Reigny (Penrith)	29.12	34	SE.5	S	28.71	-83	38	37 +13	SW.3	0	*	09.5	39 25	0.0	1.12
Bath	29.43	36	W.5	T	29.05	-64	39	38 +18	SW.4	0	*	07	45 21	0.0	0.62

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, 6 p.m.				0.0		Worthing	*	*	*	0.2	*
Birmingham, 9 p.m.						Llandudno	*	*	*	?	*
Lowestoft, 6 p.m.				0.0		Rhyl	*	*	*	?	*
Hastings	*	*	*	2.0	*	Southport, 9 p.m.				0.0	*
Eastbourne	*	*	*	0.0	*	Manchester, 9 p.m.					
Brighton				1.0		Darwen, 9 p.m.					

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

STATIONS.	TEMPERATURE.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal) RD DEC. 23	—	—	—	Ins.	Algiers ... RD DEC. 23	54	45	r , 0	Ins. 0.12
Madrid	—	—	—	—	Tunis... ..	61	45	0 , 0	—
Corsica (I. Sanguinaires) ...	50	36	f , f	—	Vienna	45	34	f , 0	0.32
Rome	56	47	0 , r	0.71	St. Petersburg... ..	28	14	0 , 0	—
Florence	48	42	0 , 0	0.08	<div>Lugano ... RD DEC. 22</div> <div>Davos</div> <div>Lucerne</div> <div>Lausanne</div>	1 p.m.	—	Information not arrived.	Measured 7 a.m. 22
Trieste	54	45	r , r	0.39					
Brindisi... ..	62	48	0 , 0	0.12					
Naples	56	47	0 , 0	—					
Palermo	63	52	c , m	—					

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.	DEC. 24 th 1901.	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	11.53	3.40
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Greenwich	8.7	12.00	3.53
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick	9.5	12.12	3.19
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.	Valencia	8.51	12.41	4.31
Portugal	8 a.m. (Lisbon)	8.36 a.m.						

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

DAILY WEATHER REPORT

for 8 a.m. on Wednesday 25th December

1901.

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.					
		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.	Sun- shine. Hours	Rainfall Ins.			
																					Ins.	Ins.	°
SCANDINAVIA.	Haparanda ...	29.08	22	Z	0	0	29.87	-3.4	21	19	+4	Z	0	0	0	28	14	*	—				
	Hernösand ...	30.09	19	E	2	0	30.02	-1.1	17	16	-4	SSW	4	0	0	19	7	*	0.04				
	Stockholm ...	29.80	23	E	8	0	29.64	-3.9	24	23	0	SESE	8	0	0	27	21	*	—				
	Wisby ...	29.65	26	ESE	4	0	29.50	-3.8	26	25	0	ESE	4	0	0	37	26	*	0.04				
	Karlstad ...	29.62	23	NE	8	0	29.47	-4.7	24	23	+1	ESE	8	0	0	*	*	*	0.04				
	Færder (X'ania Fjord)	29.57	28	ENE	6	0	29.28	-5.2	29	29	+1	ENE	6	0	3	29	27	*	0.04				
	Bodö ...	29.77	27	ENE	4	0	29.65	-2.2	26	22	+1	ENE	4	0	2	27	21	*	—				
	Christiansund ...	29.43	35	ESE	4	0	29.32	-2.7	35	31	-5	ESE	7	0	5	37	32	*	—				
	Skudesnaes ...																	*	*				
	Sumburgh Head	28.92	37	ESE	9	r	28.91	-1.1	37	37	-3	ESE	5	+	8	40	37	*	0.12				
BRITISH ISLANDS.	Sternoway ...	28.71	40	ENE	3	ou	28.80	+0.6	38	37	+1	ENE	4	0	5	ou	42	34	0.0	0.10			
	Malin Head ...	28.65	41	WNW	2	c	28.73	0.00	44	41	+3	NW	7	ou	5	ou	44	39	*	0.19			
	Blacksod Pt. ...	28.78	43	WNW	4	chpm	29.01	+0.9	44	40	+3	NNW	6	ou	5	ou	45	40	*	0.20			
	Valencia ...	28.91	42	W	5	ou	29.14	+1.1	43	42	-1	WNW	8	ou	6	ou	46	41	0.4	0.28			
	Roche's Point ...	28.87	39	WNW	4	b	29.08	+0.5	43	41	+3	NW	7	ou	4	ou	43	37	*	0.10			
	Parsonstown ...	28.81	33	SW	1	0	28.92	-0.3	39	38	+3	SW	3	ou	*	ou	40	33	3.9	0.06			
	Donaghadee ...	28.62	36	WSW	2	b	28.68	-0.4	39	38	-1	WSW	2	ou	2	ou	41	33	*	0.02			
	Liverpool Obsy. ...	28.76	37	SSW	2	0	28.73	-1.4	37	36	-3	SW	2	ou	2	ou	42	35	*	0.02			
	Holyhead ...	28.76	41	WSW	3	c	28.74	-1.5	42	41	-2	W	6	ou	4	ou	44	40	*	0.02			
	Pembroke (St. Ann's)	28.81	41	NW	3	0	28.85	-1.7	43	41	-2	NW	6	ou	6	ou	46	40	0.0	0.05			
GERMANY, &c.	Scilly (St. Mary's) ...	28.81	43	NNW	7	0	29.00	-1.1	43	41	-3	NW	7	c	5	ou	47	39	0.0	0.55			
	Jersey (St. Aubins) ...	28.81	51	SSW	5	rm	29.01	-2.3	45	42	-4	WNW	6	ou	5	ou	52	41	0.0	0.68			
	Portland Bill ...	28.73	38	NNE	3	+	28.85	-2.9	44	43	-2	W	6	ou	5	ou	46	37	*	0.57			
	Dungeness ...	28.78	46	SE	2	+	28.56	-5.9	39	38	-5	W	4	ou	3	ou	46	35	*	0.60			
	Wick ...	28.62	39	SE	9	0	28.74	-0.3	41	40	+2	ESE	5	0	6	ou	47	35	*	0.31			
	Nairn ...	28.55	37	E	1	0	28.73	0.00	34	34	-2	Z	0	+	2	ou	39	30	*	0.17			
	Aberdeen ...	28.60	37	SSE	3	ou	28.70	-0.3	36	35	-6	N	2	ou	5	ou	42	35	0.0	0.20			
	Leith ...	28.62	35	SW	2	b	28.64	+0.4	36	35	0	SE	1	0	*	ou	39	33	*	0.02			
	North Shields ...	28.70	39	SSW	1	+	28.62	-0.6	35	34	-3	Z	0	ou	2	ou	42	33	*	0.01			
	Spurn Head ...	28.80	37	SSE	4	0	28.67	-2.3	36	35	-1	W	4	0	2	ou	41	35	*	—			
FRANCE.	Yarmouth ...	28.87	39	S	4	ou	28.74	-3.3	35	34	-3	WSW	3	ou	4	ou	40	33	*	0.44			
	Loughborough ...	28.82	36	SE	1	0	28.75	-2.4	35	33	-3	SSW	3	ou	*	ou	42	33	*	0.01			
	Oxford ...	28.75	34	N	2	0	28.80	-2.7	34	34	-5	SW	3	ou	*	ou	41	32	*	0.39			
	London (Brixton) ...	28.78	39	S	2	ou	28.82	-3.1	32	32	-7	SW	1	ou	*	ou	44	32	0.0	0.57			
	The Scaw (Skagen) ...	29.31	33	SE	6	S	29.09	-6.0	35	35	+3	SE	5	+	2	S	35	30	*	0.36			
	Fanö ...	29.11	33	ESE	6	0	28.74	-6.8	37	37	+4	ESE	6	0	*	0	37	32	*	0.20			
	Cuxhaven ...																	*	*				
	The Helder ...	28.99	36	S	1	+	28.69	-5.0	43	41	+10	WSW	5	0	5	+	48	33	*	0.47			
	Brussels ...	*	*	*	*	*	28.93	-3.8	38	36	+3	SW	4	0	*	+	49	34	*	0.35			
	Berlin ...	29.37	35	S	2	0	29.14	-4.9	39	37	+6	S	2	+	*	0	39	33	*	—			
SPAN. PEN.	Frankfurt ...	29.26	41	S	2	+	29.04	-5.7	47	45	+14	SW	4	0	*	+	47	33	*	0.45			
	Munich ...	29.46	32	SE	2	0	29.27	-4.4	36	32	+7	SE	3	0	*	0	37	28	*	—			
	C. Gris Nez ...	28.85	45	WSW	7	+	28.88	-3.7	41	39	0	W	6	0	6	+	48	37	*	0.49			
	Brest ...	28.85	51	W	6	+	29.09	-1.5	48	44	-2	NW	6	0	6	+	52	46	*	0.87			
	Lorient ...	28.93	52	W	7	0	29.13	-2.0	47	47	-6	WNW	6	0	7	0	54	43	*	0.71			
	Rochefort ...	29.28	49	W	7	+	29.31	-3.3	46	45	-7	WNW	4	0	*	+	54	45	*	0.71			
	Biarritz ...	29.55	57	SSW	4	0	29.39	-4.5	50	50	-2	WNW	6	+	5	0	57	48	*	0.24			
	Paris ...	29.08	52	SSW	5	0	29.05	-3.5	41	39	+2	SW	2	0	*	0	53	39	*	0.24			
	Belfort ...	29.44	41	SSW	7	+	29.10	-5.5	50	44	+20	SW	8	0	*	+	50	27	*	0.47			
	Lyons ...	29.59	38	S	4	+	29.30	-4.9	48	45	+17	S	5	0	*	+	?	?	*	2.74			
Nice ...	29.68	43	E	1	0	29.67	-1.1	45	45	+3	E	1	+	3	0	52	41	*	0.35				
Perpignan ...	29.59	45	N	1	0	29.39	-4.9	37	37	-4	Z	0	0	*	0	53	36	*	—				
SPAN. PEN.	Corunna ...																	*	*				
	Lisbon ...	29.86	57	SW	7	0	29.91	-2.7	50	47	-2	WNW	5	0	*	0	57	50	*	0.71			
Azores (P. Delgada)	30.36	58	NNE	4	0	30.45	+2.3	56	51	-6	N	3	0	2	0	66	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 Wednesday 25th December, 1901.

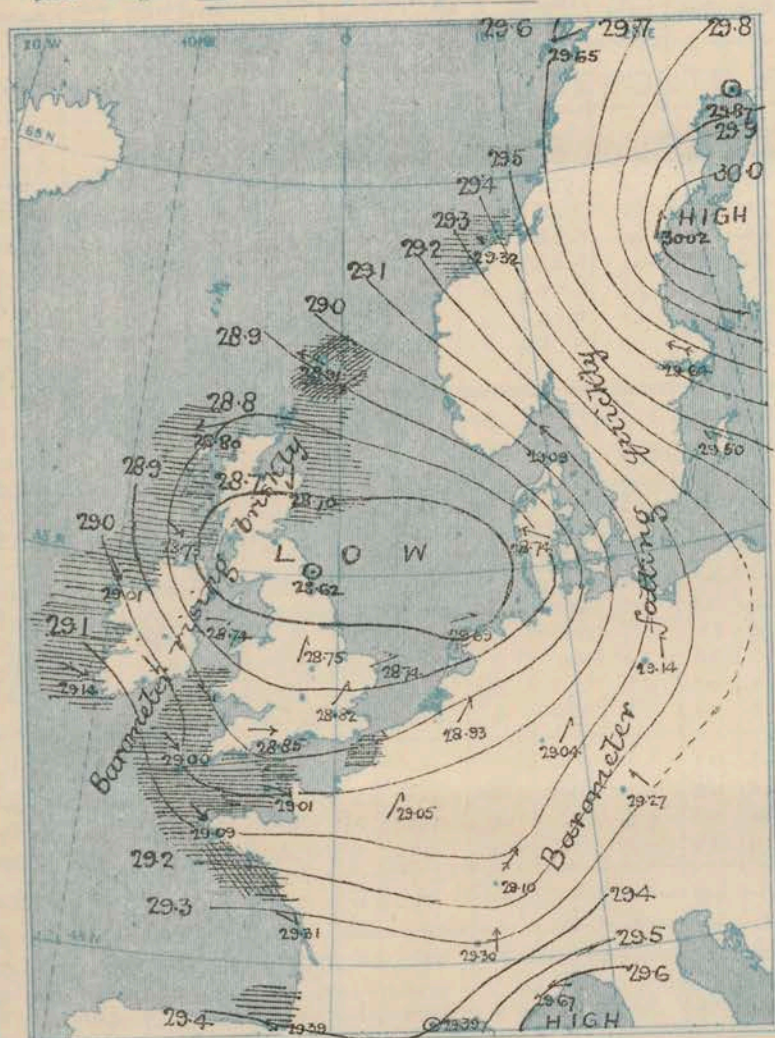
I. BAROMETER, WIND AND SEA. This Morning.

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 :

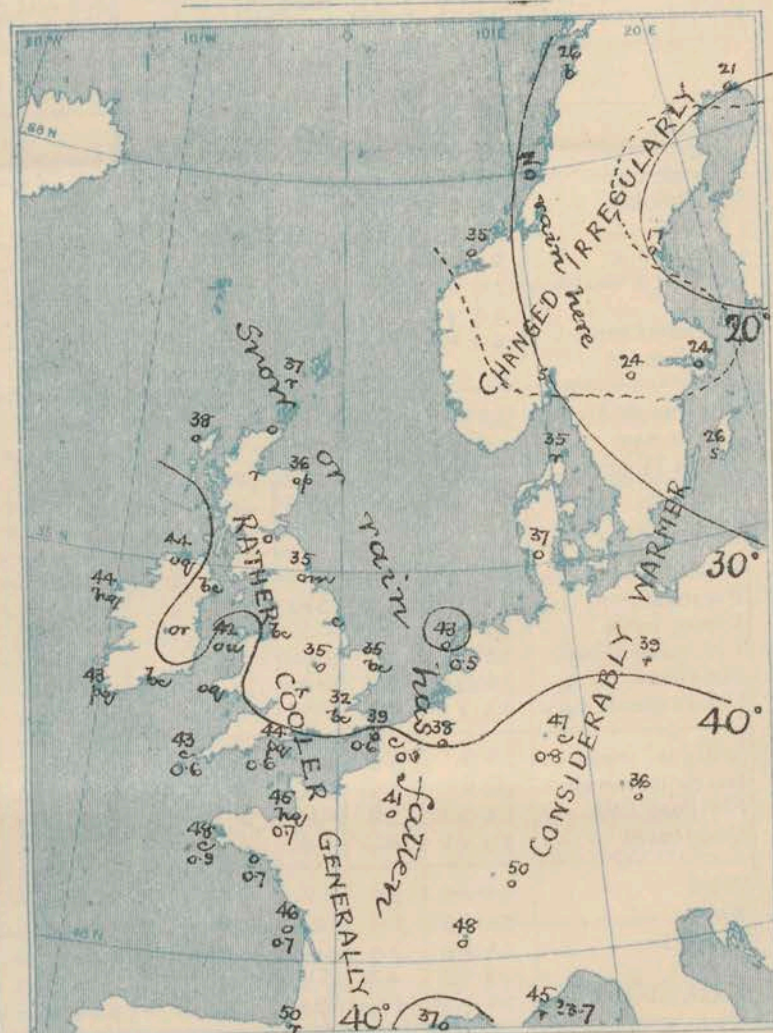


II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

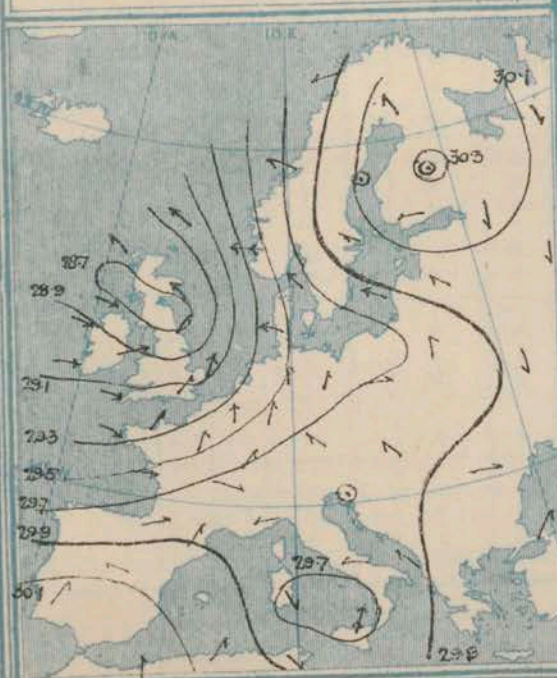
WEATHER.—Shown by Letters of the Beaufort Scale. (See P 4)

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—0.8



III. BAROMETER AND WIND

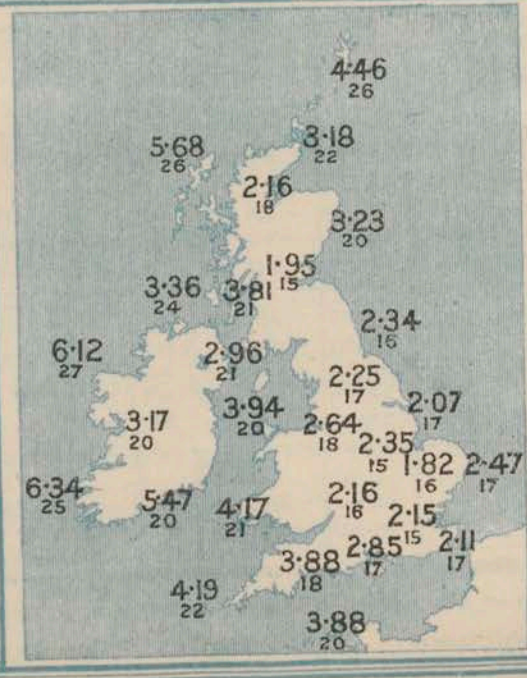
Yesterday morning.



IV. Average RAINFALL and NUMBER OF RAIN DAYS in month of DECEMBER (1871-1900)

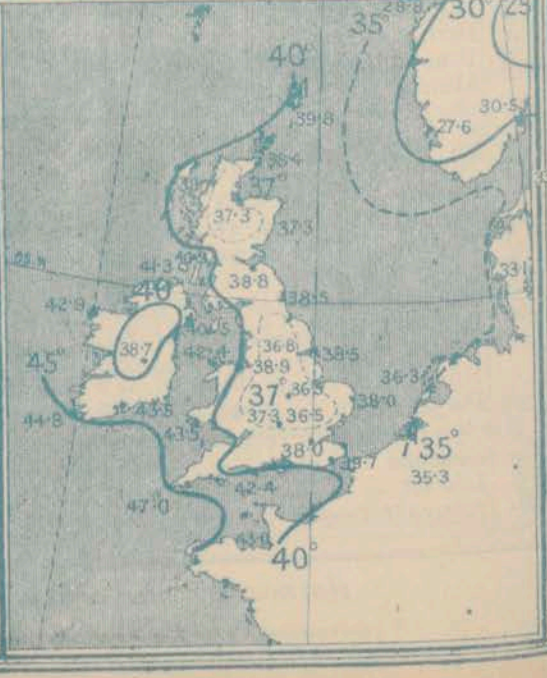
Specimen { RAINFALL 2.34
(for Shields) { RAIN DAYS 16

Malin Head & Blacksod & Belmullet Values are for only 15 Yrs.



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 barometer is lowest, 28.7 ins. and less, in an elongated cyclonic disturbance covering all the more southern parts of the North Sea, the southern half of Scotland and the north of England. The highest readings, 30.0 ins. and upwards, are reported to be over the central parts of the Gulf of Bothnia, but the barometer is nearly as high in the neighbourhood of Lisbon. Gradients are rather steep generally. The barometer is rising again briskly at our NW and W stations, falling to the eastward of the North Sea.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind circulates round the region of low pressure and is strong to a gale in force over Scandinavia and our western coasts and fresh or strong elsewhere. In direction it is E^{ly} in the north of Scotland, NW^{ly} on our western coasts, and W^{ly} in the south of France, while in Scandinavia and Denmark it is E^{ly} or SE^{ly}. The weather is very cloudy or dull generally, with rain or passing showers in many places and with snow at Helsingør and Sæder. Temperature is changing fitfully and is at present below the mean at our eastern and inland stations. The lowest readings over our islands are 34° at Oxford and 32° in London, and the highest 44° in the north of Ireland and 45° at Jersey. The sea is very high off the Shetlands, rough or rather so on most parts of our coasts.

Rain has fallen in almost all parts of our area—heavily at our southern stations, in France, and at Frankfurt. The maximum temperatures were below 40° in some eastern localities, but at Scilly the thermometer rose to 47° and at Jersey to 52°. Very little bright sunshine was experienced over our islands yesterday, in most places there was none, but Parsonstown had 3.9 hours, Rhyb 3.2, and Lowestoft 2.6 hours.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS*

For the 24 hours ending at NOON on 26th December 1901

DISTRICTS.

FORECASTS.

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

ISSUED
NONE

DISTRICTS.

FORECASTS.

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

ISSUED
NONE

WARNINGS

At 9.35 a.m. today to districts 9 & 10.
"HOIST NORTH CONE"

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

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

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 8 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	28.87	39	SW 1	✓	28.80	- 23	37	36	- 2	SW 2	B	•	O.T.O	41	33	2.0	0.40
Newton Reigny (Penrith)																	
Bath	28.87	39	SW 1	✓	28.80	- 23	37	36	- 2	SW 2	B	•	r	43	31	0.0	0.43

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Rainfall.		STATIONS.	TEMPERATURE.		Weather.	Sunshine. Rainfall.	
	Max.	Min.		Hrs.	Ins.		Max.	Min.		Hrs.	Ins.
Harrogate, 6 p.m.	39	31	r, o, c	1.2	0.59	Worthing	*	*	*	0.0	*
Birmingham, 9 p.m.	41	33	c, o	1.3	0.10	Llandudno	*	*	*	0.7	*
Lowestoft, 6 p.m.	41	35	o, s, r, b, o	2.6	0.10	Rhyl	*	*	*	3.2	*
Hastings	*	*	*	0.0	*	Southport, 9 p.m. ...	43	34	r, o, c	0.7	0.20
Eastbourne	*	*	*	0.0	*	Manchester, 9 p.m. ...	41	35	r, o	0.3	0.09
Brighton	*	*	*	0.0	*	Darwen, 9 p.m. ...	*	*	*	*	*

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

STATIONS.	TEMPERATURE.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal) DEC. 24	66	48	B. C	Ins.	Algiers ... DEC. 24	54	46	7, 0	0.83
Madrid	48	32	B. C	-	Tunis	61	45	0, 0	-
Corsica (I. Sanguinaires) ...	55	39	π, π	-	Vienna	46	36	0, 0	-
Rome	54	48	B, 0	0.55	St. Petersburg	?	?	0, C	-
Florence	49	43	r, 0	0.65		1 p.m.			Measured 7 a.m. 23
Trieste	52	46	r, r	0.39	Lugano ... DEC. 23	32	—	0	0.20
Brindisi	59	48	0, r	0.04	Davos	32	—	0	0.08
Naples	57	48	C, 0	0.08	Lucerne	32	—	0	—
Palermo	68	50	r, C	0.16	Lausanne	32	—	0	—

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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.

GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.					DEC. 25 TH 1901.			
	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.		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	11.53	3.41
Germany, Denmark, } Norway, Sweden ... }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Greenwich	8.7	12.0	3.53
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick	9.5	12.12	3.19
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.	Valencia	8.51	12.41	4.32
Portugal	8 a.m. (Lisbon)	8.36 a.m.						

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

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 26th December, 1901.

Issued by the Meteorological Office, 63, Victoria Street, London. W. N. SHAW, Secretary.

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		Barom.	Temp.	Wind.	Force (0 to 12.)	Weather.	Barometer.		Temperature.			Wind.		Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Temp.		Sun- shine. Hours	Rainfall. Ins.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
							At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Max.					Min.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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NOTE: The Sunshine for London given in this Table is reported on the Tower of the Wesleyan Training College, Westminster.

* Observations for this column not generally received.

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

WEATHER CHARTS

FOR Thursday 26th December, 1901.

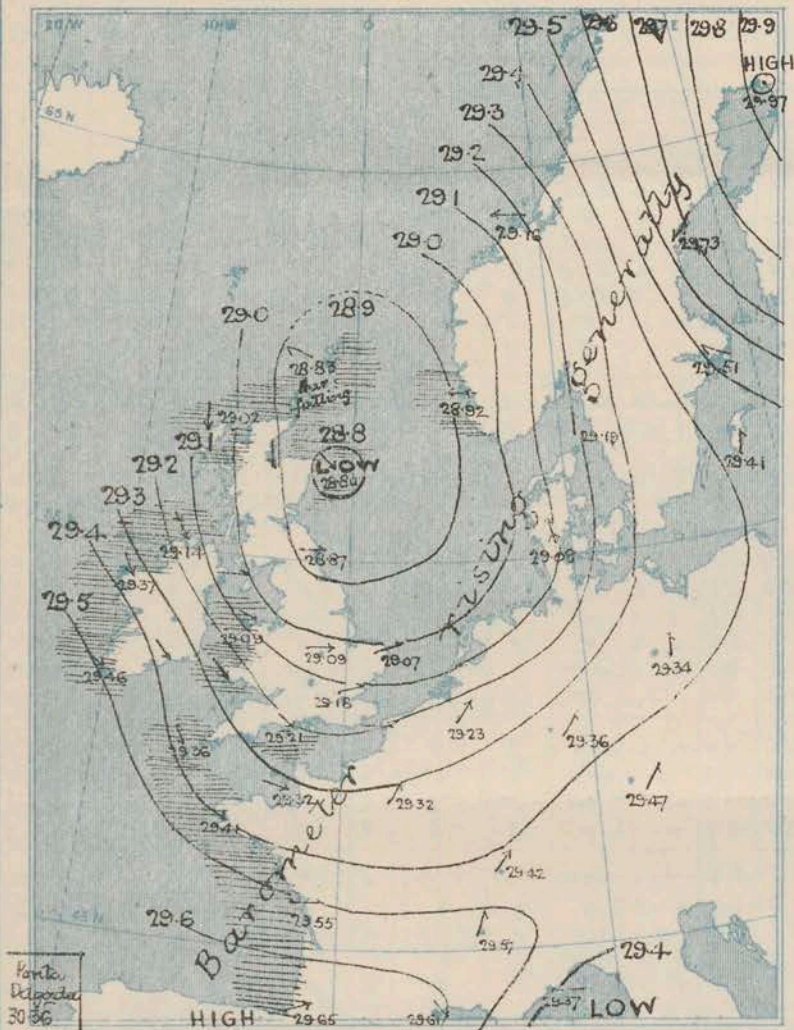
I. BAROMETER, WIND AND SEA. This Morning.

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—0.8

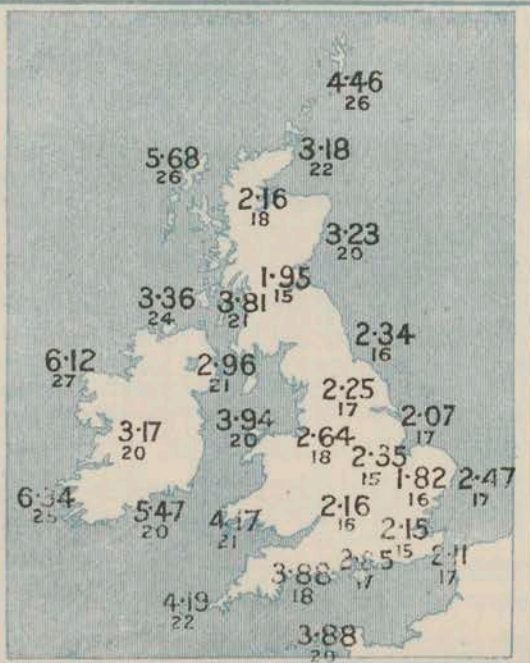


III. BAROMETER AND WIND

Yesterday morning.

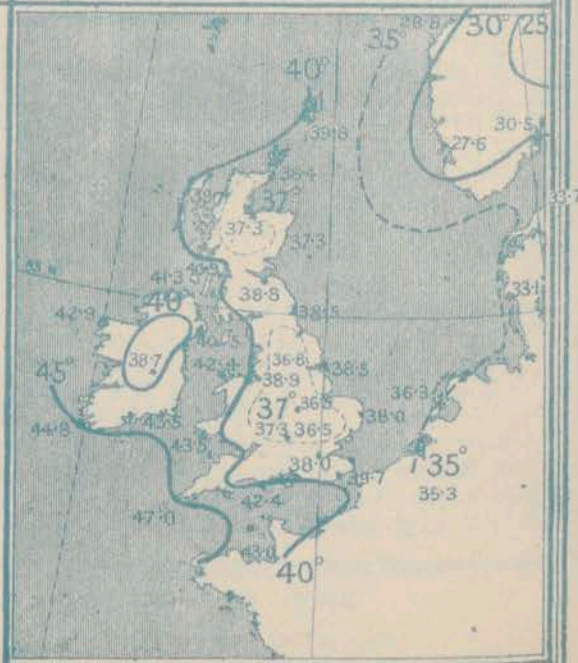


IV. Average RAINFALL and NUMBER OF RAIN DAYS in month of DECEMBER (1871-1900)
Specimen RAINFALL 2.34 (for Shields) (RAIN DAYS 16)
Malin Head & Blacksod - Belmullet Values are for only 15 Yrs



V. Means of DAILY TEMPERATURE

at 8 am. for the Two monthly period December - January (1871-1900.)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The barometer is still lowest 28.8 ins. in a cyclonic disturbance lying off the east of Scotland, while it is highest, 29.9 ins. and upwards in two areas one lying over Lapland, and the other over the more southern parts of the Spanish Peninsula. There is also a baric minimum of 29.4 ins. over the Gulf of Genoa. Gradients are rather steep in the west, moderate in most other regions. The barometer is rising in almost all parts of our area, and the disturbance noted above appears to be gradually dispersing.

WIND

Fresh or strong NW winds prevail on all our western coasts and moderate W. breezes over the greater part of England, while over Denmark and Norway the wind is strong to a gale from between southeast and east. Temperature is rather below the mean at some English stations, but over the Kingdom as a whole it differs very little from that value. The readings range from 45° at Scilly and Jersey to 36 or 35 over the central parts of Ireland and England and to 33° in London. Over France, Germany, and Denmark the readings are a little above or slightly below 40°. The weather is fair in most places, but rain is falling at Wick, Stornoway, and Parsonstown, and showers on our western coasts generally. Rain also prevails at Biarritz. The sea is rough or rather so on most parts of our coast.

TEMPERATURE

WEATHER

AND

SEA

Since 8 am yesterday rain or sleet has been experienced in nearly all parts of western Europe, the amounts being large at some of our extreme northern and western stations and also at Biarritz. The thermometer rose to 50° at Jersey and to a degree or two higher at some French stations, but in most parts of the United Kingdom the temperature did not much exceed 40° and in some localities it failed to reach that point. A thunderstorm has been experienced at Biarritz. Very little bright sunshine has been recorded in the north and west but, three or four hours have been registered in the south and southeast.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT







The low pressure system will probably continue to fill up slowly, but with the present distribution of pressure other disturbances may be expected to appear in the north and northwest, so that the weather is likely to remain in an unsettled condition generally.

FORECASTS*

For the 24 hours ending at NOON on 27th December 1901

DISTRICTS.

FORECASTS.

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

N^W to NW^W winds of varying force; cold, rain or snow showers.

Moderate or fresh winds, mainly W^W; fair and rather cold generally, but showers in places.

DISTRICTS.


FORECASTS.


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

Same as Nos 0 & 1.

WARNINGS

At 7.40 pm yesterday to districts 6, 7, 8, and parts of 0, "HOIST NORTH CONE". The signals are still flying in 9 & 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.							PART 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	*	*	*	*	*	*	*	*	*	*	3c	*	0	39	24	0.5	0.03
Newton Reigny (Penrith)	28.76	35	W 4	0	29.00		35	34		W 3	c	*	ops	36	33	0.4	0.10
Bath	29.02	42	NW 4	0	29.19	+ 39	40	38	+ 3	NW 1	3c	*	0	44	25	2.0	0.02

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, 6 p.m.	37	33	c 0	0.0	0.03	Worthing	*	*	*	3.7	*
Birmingham, 9 p.m.	39	31	c	1.4	0.12	Llandudno	*	*	*	0.3	*
Lowestoft, 6 p.m.	*	*	*	4.3	*	Rhyl	*	*	*	*	*
Hastings	*	*	*	3.0	*	Southport, 9 p.m.	*	*	*	0.0	*
Eastbourne	*	*	*	3.8	*	Manchester, 9 p.m.	*	*	*	*	*
Brighton	*	*	*	*	*	Darwen, 9 p.m.	*	*	*	*	*

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

STATIONS.	TEMPERATURE.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal)				Ins.	Algiers				Ins.
Madrid					Tunis				
Corsica (I. Sanguinaires)					Vienna				
Rome					St. Petersburg				
Florence			Information not received		Lugano	1 p.m. 32	—	0	Measured 7 a.m. 24" 0.04
Trieste					Davos	32	—	6	—
Brindisi					Lucerne	34	—	0	—
Naples					Lausanne	36	—	0	—
Palermo									

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.	DEC. 26 TH 1901.	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	11.54	3.43
Germany, Denmark, } Norway, Sweden ... }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (m.e.t.)	7 p.m.	Greenwich	8.7	12.1	3.54
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick	9.5	12.13	3.20
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.	Valencia	8.51	12.42	4.33
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 27th December* 1901.
l by the Meteorological Office, 68, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)											PAST 24 HOURS.				
		BAROM.		TEMP.		WIND.	Weather.	BAROMETER.		TEMPERATURE.				WIND.		Sea (0 to 9.)	Weather.	TEMP.			Sun- shine. Hours	Rainfall. Ins.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)			At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)	Max.			Min.				
																			Ins.	Ins.			°	°	Hours
SCANDINAVIA.	Haparanda ...	0.01	-3	Z	0	b	30.02	+0.5	2	1	-9	Z	0	0	*	b	12	-4	*	-	-	
	Hernösand ...	9.71	13	Z	0	S	29.65	-0.8	13	12	-6	NE	2	5	*	S	21	12	*	0.24	-	
	Stockholm ...	9.51	32	E	2	S	29.84	+0.3	31	31	+3	NE	2	0	*	S	32	23	*	0.59	-	
	Wisby ...	9.44	34	ESE	4	T	29.50	+0.9	36	35	+2	WNW	4	0	*	T	41	30	*	0.39	-	
	Karlstad ...	9.51	28	E	4	0	29.49	+1.3	28	27	-1	ENE	2	0	*	0	*	*	*	-	-	
	Färder (X'ania Fjord) ...	9.35	35	ENE	5	0	29.39	+1.4	36	35	+1	ESE	5	0	3	0	36	34	*	0.16	-	
	Bodö ...	9.56	18	ENE	4	b	29.58	-0.4	21	18	-1	ENE	4	b	2	b	25	18	*	-	-	
	Christiansund ...	9.31	38	E	4	bc	29.23	+0.7	38	32	+2	E	3	b	4	bc	38	36	*	-	-	
	Skudesnaes ...	9.01	40	SE	6	0	29.09	+1.7	40	39	+1	SE	8	T	5	0	41	27	*	-	-	
	Sumburgh Head ...	8.95	40	E	4	0	29.08	+2.5	37	36	-3	N	1	0	4	0.7, p. o	41	37	*	0.25	-	
BRITISH ISLANDS.	Stornoway ...	7.15	38	NNW	6	T	29.26	+2.4	37	35	-1	WNW	4	0	4	T	40	34	0.0	0.29	-	
	Malin Head ...	7.25	42	NNW	8	0.9p	29.42	+2.8	40	37	0	W	3	bc	3	0.9p	42	37	*	0.20	-	
	Blackod Pt. ...	7.47	39	NW	4	cp	29.50	+1.3	38	32	-7	W	2	b	2	bc, cp	42	32	*	0.09	-	
	Valencia... ..	7.55	40	N	3	thp	29.58	+1.2	32	31	-10	NNE	1	b	4	0.7, p. o	44	32	1.5	0.16	-	
	Roche's Point ...	7.51	38	NW	3	b	29.61	+2.1	35	33	-5	NW	2	b	3	bc, b	42	33	*	-	-	
	Parsonstown ...	7.44	35	WNW	3	b	29.54	+2.2	28	28	-8	NW	2	b	*	0.7, p. o	40	28	2.2	0.02	-	
	Donaghadee ...	9.28	37	NNW	4	grsp	29.42	+3.4	34	33	-3	N	1	b	1	grsp	41	33	*	0.14	-	
	Liverpool Obsy. ...	9.24	40	W	6	0	29.46	+3.9	38	37	-1	W	3	C	3	cp	43	37	*	0.03	-	
	Holyhead ...	29.29	42	WNW	7	0.9p	29.47	+3.8	40	38	-3	NW	4	C	3	0.9, p. o	43	38	*	-	-	
	Penbroke (St. Ann's) ...	29.37	42	NW	5	C	29.57	+3.2	41	37	-2	NW	3	C	3	C	44	38	0.0	-	-	
GERMANY, &c.	Scilly (St. Mary's)... ..	29.45	45	NW	6	C	29.56	+2.0	45	42	0	NW	5	cp	3	C	47	41	3.6	0.01	-	
	Jersey (St. Aubins)... ..	29.47	44	WNW	4	0.9	29.62	+3.0	41	38	-4	NW	3	bc, p	3	bc, p, th	47	36	0.7	0.31	-	
	Portland Bill ...	29.36	43	WNW	4	C	29.55	+3.4	40	39	-3	NW	4	b	3	C	44	39	*	-	-	
	Dungeness ...	29.31	41	W	3	b	29.52	+3.3	31	30	-7	NNW	2	b	2	C, b	44	29	*	-	-	
	Wick ...	28.98	39	NNW	2	0	29.13	+2.8	38	37	-1	WNW	3	0.7	2	C	40	37	*	0.25	-	
	Nairn ...	29.06	38	WNW	3	0	29.22	+3.2	37	36	-1	W	2	C	2	C	39	34	*	-	-	
	Aberdeen ...	28.96	36	WNW	5	bc, p	29.18	+3.8	37	34	+1	WNW	4	0.9	3	grsp, bc	38	36	*	0.09	-	
	Leith ...	29.05	37	SW	2	b	29.29	+4.1	36	35	-1	WSW	3	bm	*	bc	41	34	*	-	-	
	North Shields ...	29.06	37	W	4	b	29.29	+4.2	35	34	-1	W	3	b	2	C, b	39	33	*	-	-	
	Spurn Head ...	29.13	38	WSW	4	b	29.35	+3.8	37	36	0	WSW	5	b	4	bc	40	35	*	-	-	
FRANCE.	Yarmouth ...	29.17	37	WSW	3	C	29.43	+3.6	34	33	-1	WSW	2	bm	3	bc, C	40	32	*	-	-	
	Loughborough ...	29.23	38	WNW	3	0	29.46	+3.7	33	32	-3	W	3	b	*	0.7, p. o	42	33	*	0.01	-	
	Oxford ...	29.37	36	WSW	2	0	29.54	+3.7	32	31	-3	SW	1	b	*	C	40	31	*	-	-	
	London (Brixton) ...	29.31	37	W	2	b	29.54	+3.6	31	30	-2	SW	1	bc	*	bc, b	42	30	1.8	-	-	
	The Scaw (Skagen) ...	29.30	38	SSE	2	0	29.37	+1.8	37	36	-1	SSW	3	0	1	0	39	36	*	0.04	-	
	Fanö ...	29.26	37	SSE	6	0	29.35	+2.7	36	36	-1	SSE	5	0	*	0	37	36	*	-	-	
	Cuxhaven ...	29.31	36	S	2	0	29.44	?	36	36	?	SSW	3	0	*	0	37	34	*	-	-	
	The Helder ...	9.22	42	SW	4	C	29.40	+3.2	41	39	0	WSW	3	0	3	C	43	39	*	0.04	-	
	Brussels... ..	*	*	*	*	*	29.56	+3.3	37	36	-1	S	1	0	*	0	41	36	*	0.04	-	
	Berlin ...	9.46	37	S	1	C	29.57	+2.3	33	32	-4	S	1	C	*	C	41	30	*	-	-	
SPAN. PEN.	Frankfurt ...	29.50	39	SW	2	T	29.60	+2.4	39	37	-2	SW	2	0	*	T	43	37	*	0.04	-	
	Munich ...	29.56	35	SW	2	0	29.66	+1.9	32	31	-2	SW	1	C	*	0	39	32	*	-	-	
	C. Gris Nez ...	29.32	43	W	4	C	29.55	+3.8	39	37	-2	NW	1	C	1	C	46	36	*	-	-	
	Brest ...	29.53	45	NNW	5	C	29.69	+2.8	44	41	-1	NNW	3	C	5	C	46	43	*	0.24	-	
	Lorient ...	29.54	44	NW	5	C	29.66	+2.2	43	42	-3	NW	3	bc	3	C	48	37	*	0.16	-	
	Rochefort ...	29.60	44	WNW	4	T	29.71	+1.6	43	42	-1	W	5	T	*	T	48	41	*	0.28	-	
	Biarritz ...	29.77	47	W	7	T	29.82	+1.7	49	45	+4	W	6	T	5	T, T	49	45	*	1.18	-	
	Paris ...	29.47	41	SW	3	0	29.59	+2.7	36	36	-3	SSW	2	0	*	0	43	34	*	0.20	-	
	Belfort ...	29.52	36	WSW	4	0	29.63	+2.1	35	34	-2	WSW	2	0	*	0	44	35	*	0.08	-	
	Lyons ...	29.64	40	SSW	1	0	29.73	+1.6	35	34	-2	SSE	1	T	*	0	44	35	*	0.04	-	
SPAN. PEN.	Nice ...	29.47	42	NE	3	b	29.58	+2.1	40	32	0	NW	3	b	3	b	50	37	*	-	-	
	Perpignan ...	29.69	45	NW	4	b	29.76	+1.5	39	36	-6	NW	1	0	*	b	52	33	*	-	-	
SPAN. PEN.	Corunna ...	30.16	49	WNW	4	b	30.15	+0.8	51	49	+2	SW	2	0	*	b	54	48	*	-	-	
	Lisbon ...	30.22	61	SW	5	0	30.12	-2.4	62	61	+5	SW	4	0	4	0	64	54	*	0.04	-	

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

* Observations for this column not generally received.

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

WEATHER CHARTS

FOR Friday 27th December, 1901.

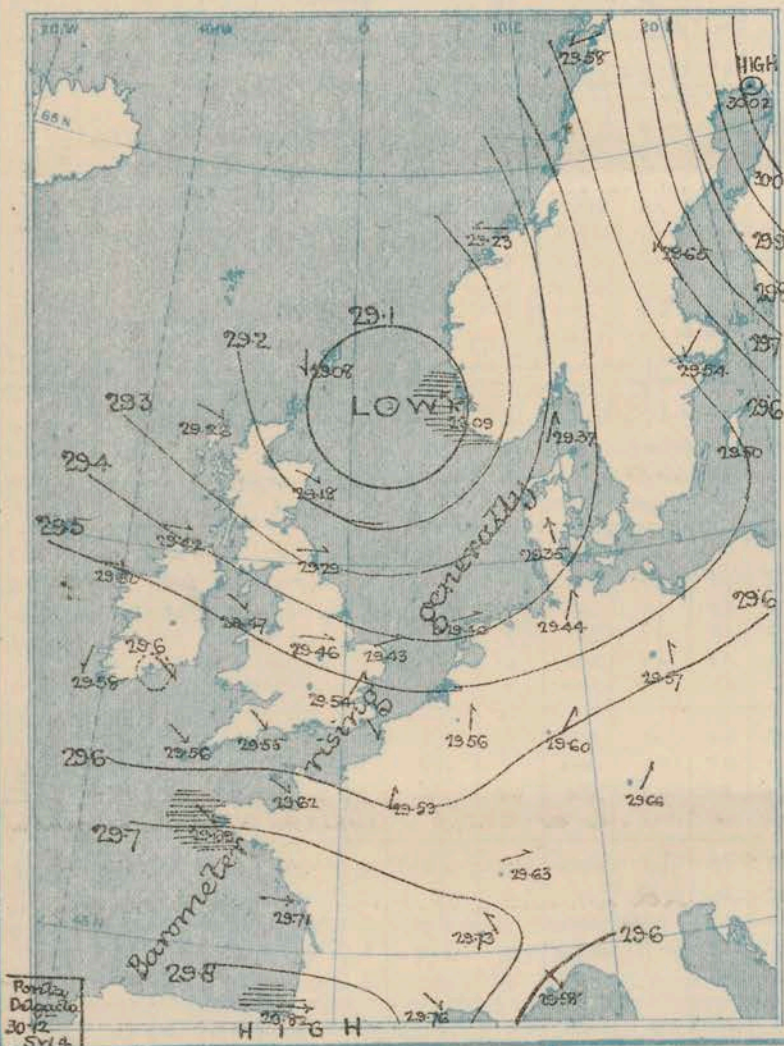
I. BAROMETER, WIND AND SEA. This Morning.

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 :

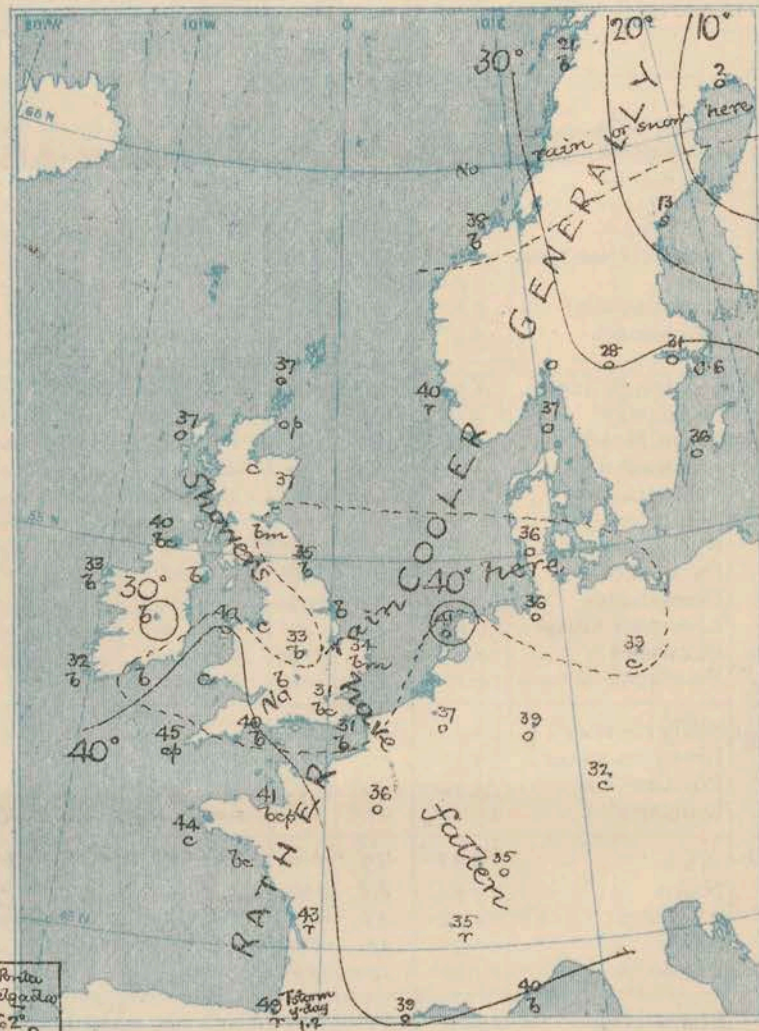


II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

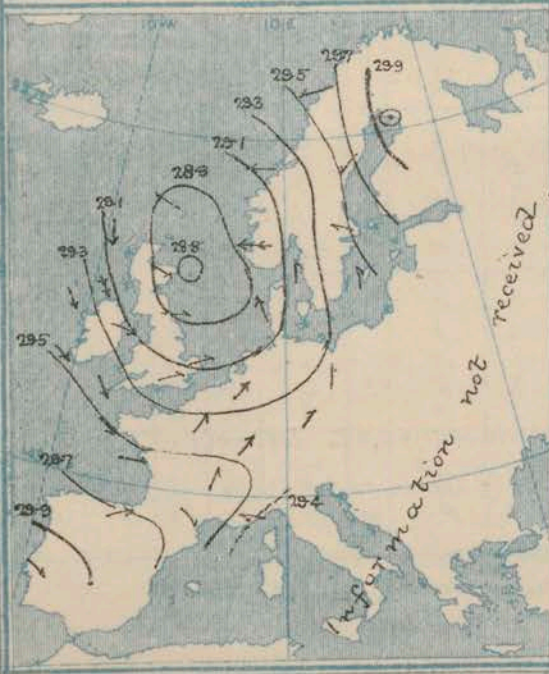
WEATHER.—Shown by Letters of the Beaufort Scale. (See P 4.)

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

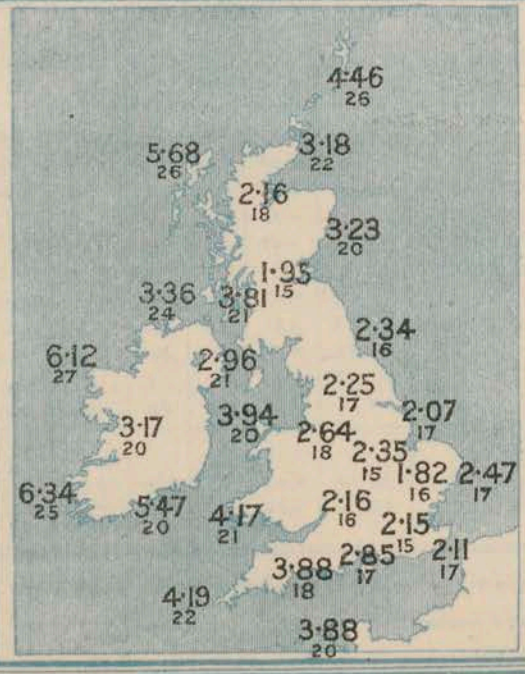
Yesterday morning.



IV. Average RAINFALL and NUMBER OF RAIN DAYS in month of DECEMBER (1871-1900)

Specimen { RAINFALL 2.34
(for Shields) { RAIN DAYS 16

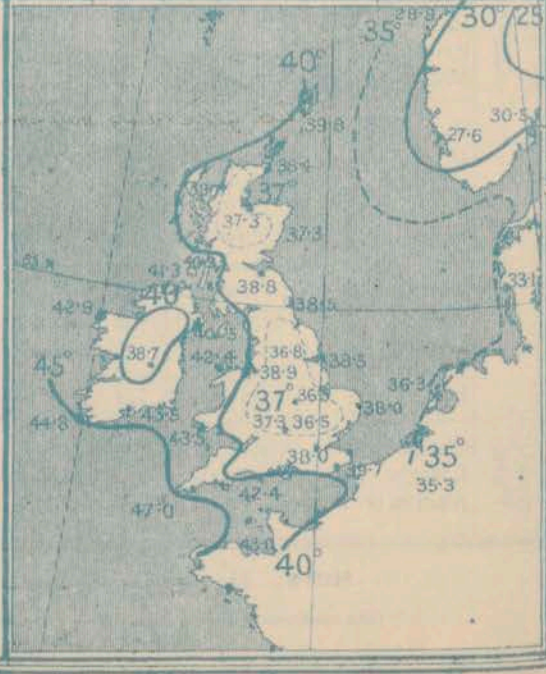
Malin Head & Blacksod: Belmullet Values are for only 15 Yrs



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 barometer continues lowest, 29.1 ins. and less, in a gradually dispersing cyclonic disturbance which now lies between the Shetlands and the Norwegian coast. The highest pressure 30.0 ins. and upwards, is found over the East of Lapland and North of Russia. Gradients are still rather steep over Norway and Sweden, but have become slight elsewhere. The barometer is rising very generally, but the movement is at present very slight in the West.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind circulates round the disturbance noticed above, being W⁴ in most parts of St. Britain and Ireland, S⁴ to SE⁴ or E⁴ on the eastern shores of the North Sea and in Norway, and N⁴ in the Shetlands. It is light or moderate in force generally, but blows freshly in Denmark, and with the force of a gale at Skudesnaes. Temperature has fallen in most places and is now below the normal in nearly all parts of our Islands. The readings range from 45° at Scilly to 31° in London, 30° at Bath and to 28° at Pardonstown. At the continental stations they range from 49° at Biarritz to 32° or 33° over the greater part of Germany, to 31° at Stockholm, and to 2° at Japaraanda. The weather is fine over the United Kingdom generally, but showers are reported at a few stations. On the continent the sky is cloudy or dull, with snow at Hernösand and rain at Skudesnaes, and at some Southern and Western French stations. The sea is moderate on some parts of our Western and Northern coasts, slight or smooth elsewhere.

Since yesterday morning rain has fallen at many of our Northern and Western stations, and also at Jersey and over France. At Biarritz, where a thunder storm occurred, there was as much as 1.2 ins. Rain or snow has fallen in Sweden. The thermometer did not rise much above 40° yesterday except on our Southern and Western coasts. Bright sunshine was very deficient generally, but 4.3 hrs were recorded at Rhyh and 4.0 hrs. at Bath.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The northern disturbance is likely to continue to disperse and there are at present no clear indications of the approach of any other low pressure system. Generally fair weather is therefore probable for a time, with however a tendency for mist or fog inland.

FORECASTS*

For the 24 hours ending at NOON on 28th December 1901

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	W ⁴ winds, light or moderate; fair and cold generally, but showers locally
1	SCOTLAND EAST	
2	ENGLAND N.E.	Light W ² or SW ² breezes; fair generally, but local fogs or mists. Cold.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	W ² winds, moderate; fair generally
7	ENGLAND N.W.	
8	ENGLAND S.W.	W ² or NW ² winds, backing later; fair generally. Rather cold.
9	IRELAND NORTH	
10	IRELAND SOUTH	

WARNINGS

At 10 a.m. to day to districts 6, 7, 8, and part of 0, "LOWER CONE"

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

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

ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.				THIS MORNING 8 A.M.					PAST 24 HOURS.				
	Bar.	Temp.	Wind.	Weather.	Barometer.	Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.	Sun-
	Ins.	°			Ins. Change.	Dry.	Wet.	Change.					Max. Min.	shine.
Clacton-on-Sea										b		b, bc	40 30	3.2
Newton Reigny (Penrith)	29.12	36	W. 4	0	29.37 +.37	35	33	0	W. 3	b		b, 0	39 34	4.0
Bath	29.40	36	NW. 1	bc	29.54 +.35	30	30	-10	W. 1	f		bc	44 29	0.4

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine.	Rainfall.	STATIONS.	TEMPERATURE.		Weather.	Sunshine.	Rainfall.
	Max.	Min.		Hrs.	Ins.		Max.	Min.		Hrs.	Ins.
Harrogate, 6 p.m.	40	34	bc	3.8	-	Worthing				1.0	
Birmingham, 9 p.m.	40	34	0	4.3	0.01	Llandudno				0.4	
Lowestoft, 6 p.m.						Rhyl				4.3	
Hastings				2.9		Southport, 9 p.m.	42	36	0	2.7	0.06
Eastbourne				2.8		Manchester, 9 p.m.	41	32	bc	0.5	0.09
Brighton				1.3		Darwen, 9 p.m.	38	32	0, u, tr	1.0	0.13

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

STATIONS.	TEMPERATURE.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal) DEC. 26				Ins.	Algiers ... DEC. 26			Information	Ins.
Madrid					Tunis			not	
Corsica (I. Sanguinaires)			Information		Vienna			arrived.	
Rome					St. Petersburg				
Florence			not		Lugano ... DEC. 25	1 p.m.		Information	Measured 7 a.m. 25
Trieste					Davos			not	
Brindisi			arrived.		Lucerne			arrived.	
Naples					Lausanne				
Palermo									

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.	DEC. 27 1901.			
							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	11.54	3.43	
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.		8 p.m. (M.E.T.)	7 p.m.	Greenwich	8.8	12.1	3.55	
France	7 a.m. (Paris)	6.51 a.m.		6 p.m. (Paris)	5.51 p.m.	Wick	9.5	12.13	3.21	
Spain	9 a.m. (San Fernando)	9.25 a.m.		6 p.m. (San Fernando)	6.25 p.m.	Valencia	8.51	12.42	4.34	
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 *Saturday, 29th December, 1901.*

Issued by the Meteorological Office, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)						THIS MORNING. (See note on last page.)										PAST 24 HOURS.			
		BAROM.		TEMP.		WIND.		BAROMETER.		TEMPERATURE.				WIND.		Sea (0 to 9.)	Weather.	TEMP.		Sun- shine. Hours	Rainfall Ins.
		At 82° and M.S.L.	Ins.	Dry Bulb.	Dew Pt.	Force (0 to 14.)	Weather.	At 82° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)	Weather.			Max.	Min.		
SCANDINAVIA.	Haparanda	29.99	10	5	2	0	29.99	-0.03	11	10	+9	SE	4	0	0	11	-13	*	-		
	Hernösand	29.77	16	2	0	0	29.76	+1.11	14	13	+1	Z	0	0	0	16	10	*	0.12		
	Stockholm	29.67	26	N	2	0	29.76	+2.22	25	24	-6	Z	0	0	0	32	23	*	0.24		
	Wisby	29.63	34	WNW	4	0	29.74	+2.4	33	32	-3	S	4	0	0	39	?	*	-		
	Karlstad	29.61	28	ESE	2	0	29.65	+1.16	30	30	+2	S	4	0	0, S	*	*	*	0.04		
	Færder (Xiania Fjord)	29.48	37	SSE	4	0	29.52	+1.13	40	39	+4	SSW	2	0	3	0	40	34	*	0.12	
	Bodö	29.58	21	E	4	3	29.57	-0.01	18	15	-3	ENE	6	8	2	3	23	16	*	-	
	Christiansund	29.30	38	E	2	8c	29.32	+0.09	41	37	+3	SW	2	0	4	8c	41	36	*	-	
	Skudesnaes	29.26	42	S	6	0	29.44	+2.86	40	39	0	SW	6	0	5	0	42	37	*	-	
	Sumburgh Head	29.18	38	N	2	0	29.28	+2.20	35	34	-2	Z	0	0	4	8c, c	39	32	*	0.01	
BRITISH ISLANDS.	Stornoway	29.32	37	WNW	3	8c	29.23	-0.03	39	37	+2	SSE	5	0	5	8c, b	39	28	1.2	0.06	
	Malin Head	29.43	36	SSW	2	8c	28.99	-0.43	40	40	0	SSE	5	0	4	8c, 8c, c	40	32	*	0.19	
	Blacksod Pt.	29.41	40	SSE	4	0	28.74	-0.56	48	47	+15	SW	6	0	5	8c, cm	49	33	*	0.26	
	Valencia	29.41	44	ESE	4	78m	29.06	-0.52	49	48	+17	SSE	2	0	4	0, 78m	50	32	1.0	0.29	
	Roche's Point	29.50	45	SW	4	0	29.12	-0.49	49	49	+14	SSW	4	78m	5	8c, 0	49	35	*	0.58	
	Parsonstown	29.50	34	SW	1	0	29.06	-0.48	45	44	+17	SSE	1	0	0	8c	45	27	3.6	0.16	
	Donaghadee	29.51	34	W	2	8c	29.17	-0.25	42	41	+8	S	5	78	4	8c	42	29	*	0.25	
	Liverpool Obsy.	29.58	36	SW	2	8c	29.33	-0.13	35	35	-3	ESE	5	78	4	8c	41	31	*	0.15	
	Holyhead	29.53	39	SW	1	8c	29.21	-0.26	42	41	+2	S	7	78	5	8c, 8c	42	36	*	0.16	
	Pembroke (St. Ann's)	29.56	45	SSW	4	0	29.21	-0.36	49	48	+8	S	6	0	6	8c	49	37	5.4	0.29	
GERMANY, &c.	Scilly (St. Mary's)	29.56	45	SSW	4	0	29.25	-0.31	49	48	+4	SSW	6	78	5	8c, 0, 9	49	43	5.5	0.24	
	Jersey (St. Aubins)	29.73	40	W	3	8c	29.57	-0.05	45	44	+4	SE	6	78m	5	8c, 8c, 8c	48	38	3.4	0.12	
	Portland Bill	29.66	41	WSW	1	8c	29.44	-0.11	45	45	+5	S	6	78m	5	8c, 8c	45	40	*	0.07	
	Dungeness	29.66	35	WNW	2	8c	29.64	+0.12	43	42	+12	SSW	6	cp	4	8c	47	29	*	0.02	
	Wick	29.25	34	W	1	0	29.20	+0.17	36	35	-2	S	1	8c	1	8c	40	32	*	0.11	
	Nairn	29.34	36	W	1	8c	29.30	+0.08	33	31	-4	Z	0	8c	1	8c	39	27	*	-	
	Aberdeen	29.35	35	W	3	8c	29.38	+0.20	31	30	-6	SSW	1	8c, m	1	8c	39	28	4.2	-	
	Leith	29.41	34	SW	1	8c	29.31	+0.02	34	34	-2	SSE	1	0	0	8c	39	28	*	-	
	North Shields	29.46	35	W	3	8m	29.41	+0.12	32	31	-3	S	3	cm	2	8m	39	30	*	-	
	Spurn Head	29.53	37	WSW	4	8c	29.50	+0.15	36	35	-1	SSE	5	0	4	8c	39	31	*	-	
FRANCE.	Yarmouth	29.56	36	WSW	3	8c	29.61	+0.18	37	36	+3	S	4	8c	4	8c	38	30	*	0.02	
	Loughborough	29.60	34	WSW	2	8c	29.50	+0.04	36	35	+3	SE	3	0	0	8c, 8c	41	30	*	-	
	Oxford	29.68	33	SSW	1	8c	29.51	-0.03	38	37	+6	SE	1	0	0	8c, p	40	31	*	0.06	
	London (Brixton)	29.66	33	W	1	8c	29.58	+0.08	40	38	+9	S	3	78	0	8c	40	29	0.5	-	
	The Scaw (Skagen)	29.50	37	SSW	3	0	29.59	+0.22	36	35	-1	NW	2	0	1	0	37	36	*	-	
	Fanö	29.60	38	SSW	4	0	29.71	+0.36	37	36	+1	SSW	3	78	0	0	39	36	*	0.12	
	Cuxhaven	29.60	38	SW	4	0	29.80	+0.38	34	34	-2	SW	2	0	0	0	39	32	*	-	
	The Helder	29.61	41	WSW	2	8c	29.73	+0.33	34	34	-7	SSW	2	78m	2	8c	43	34	*	-	
	Brussels	29.83	37	S	1	0	29.83	+0.27	33	33	-4	S	2	0	0	0	38	32	*	-	
	Berlin	29.73	38	S	1	0	29.89	+0.32	32	31	-1	S	2	8c	0	0	38	32	*	-	
SPAN. PEN.	Frankfurt	29.78	37	SW	2	78	29.90	+0.30	37	36	-2	SW	4	0	0	78	43	36	*	0.04	
	Munich	29.76	30	Z	0	0	29.93	+0.27	33	32	+1	SW	4	8c	0	0	39	28	*	-	
	C. Gris Nez	29.68	41	NW	2	0	29.71	+0.16	37	36	-2	S	4	8c	4	0	45	34	*	-	
	Brest	29.70	45	S	2	8c	29.45	-0.24	50	49	+6	SW	4	0	4	8c	50	44	*	0.24	
	Lorient	29.73	44	NW	2	0	29.54	-0.12	51	51	+8	SW	5	78	4	0	50	41	*	0.32	
	Rocheport	29.88	44	SE	3	0	29.82	+0.11	44	44	+1	SSE	4	78	0	0	46	41	*	0.12	
	Biarritz	29.89	49	WSW	4	0	29.84	+0.02	53	49	+4	SSE	1	0	2	0	53	45	*	0.55	
	Paris	29.75	39	WSW	2	0	29.84	+0.25	32	32	-4	S	2	0	0	0	40	31	*	0.08	
	Belfort	29.74	34	WSW	2	0	29.93	+0.30	32	31	-3	WSW	2	0	0	0	37	31	*	0.08	
	Lyons	29.88	36	S	1	0	29.71	-0.17	29	29	-6	W	1	8c	0	0	42	28	*	0.04	
SPAN. PEN.	Nice	29.66	42	E	2	8c	29.87	+0.29	36	29	-4	NE	3	8c	3	8c	50	34	*	-	
	Perpignan	29.87	45	NW	4	0	29.95	+0.19	36	36	-3	W	1	0	0	0	50	34	*	-	
SPAN. PEN.	Corunna	30.07	55	SW	5	78	30.08	-0.07	57	56	+6	SW	5	0	0	78	9	9	*	-	
	Lisbon	30.03	63	WSW	4	0	30.07	-0.05	60	54	-2	WNW	4	0	5	0	64	60	*	1.34	
Azores (P. Delgada)																					

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

* Observations for this column not generally received.

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

WEATHER CHARTS

FOR Saturday 28th December, 1901.

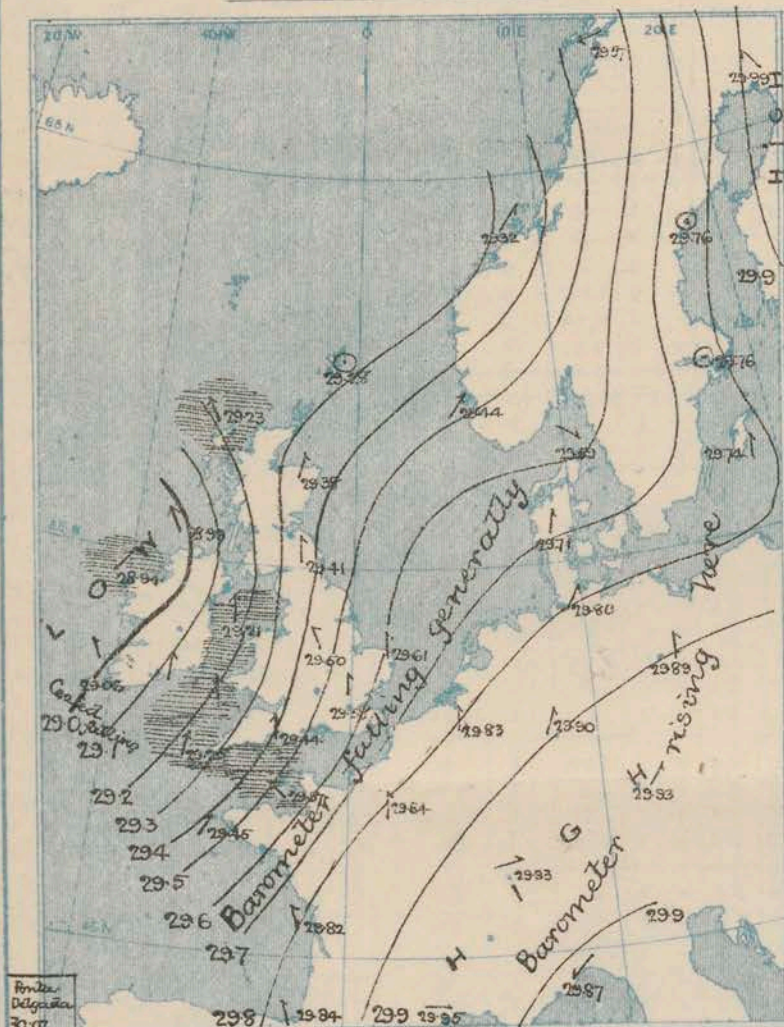
I. BAROMETER, WIND AND SEA. This Morning.

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 :

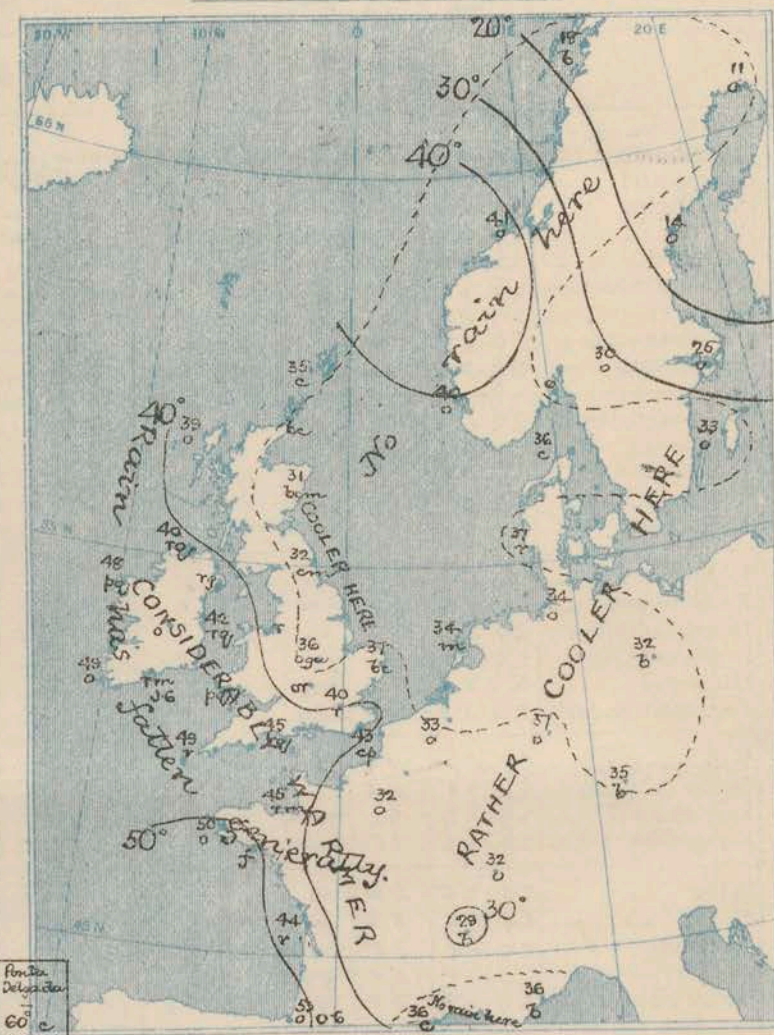


II. TEMPERATURE AND WEATHER. This Morning

TEMPERATURE.—Isotherms are drawn for each 10°.

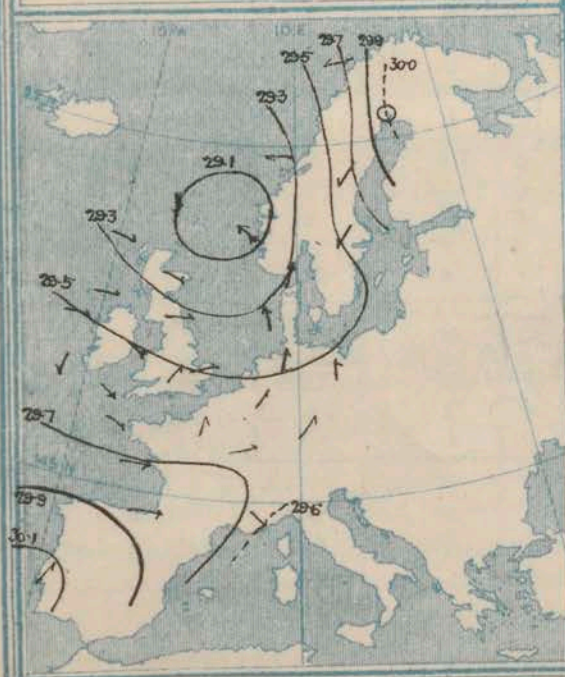
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

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.

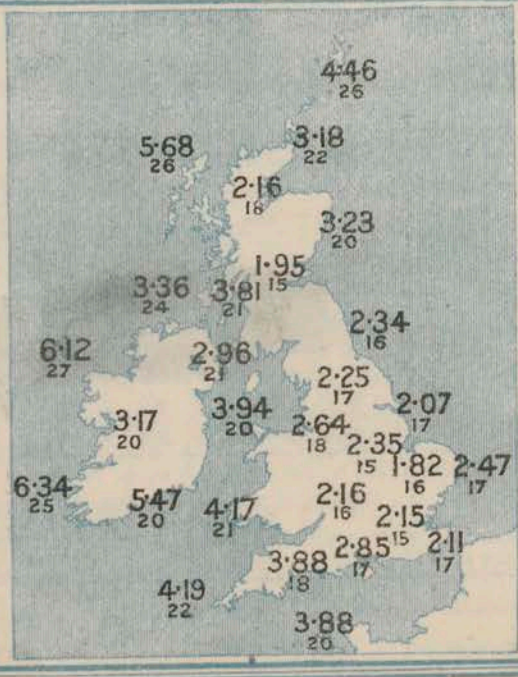


IV. Average RAINFALL and NUMBER OF RAIN DAYS

in month of DECEMBER (1871-1900)

Specimen { RAINFALL 2.34
(for Shields) { RAIN DAYS 16

Melin Head & Blacksod-Belmallet Values are for only 15 Yrs



V. Means of DAILY TEMPERATURE

at 8 am. for the Two monthly period

December - January (1871-1900.)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The barometer is lowest, 29.0 ins. and lies, in the centre of a cyclonic disturbance which has advanced to the northwest of Ireland during the night and which has at the same time spread eastwards over the Kingdom generally. The highest pressure is found over Finland, Germany, and the south and east of France where the barometer stands at about 29.9 ins. Gradients are rather steep over our Islands and their immediate neighbourhood. The barometer is falling in most places but the fall has now ceased at Valencia (Ireland).

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind has shifted to the southward over the United Kingdom, and to the southeastward over France; at all our more western stations it blows strongly, but in the north and east it is only moderate or light in force. Temperature has risen rapidly in Ireland and very decidedly over the southern half of England, while it has fallen a few degrees in the north and northeast. On our southern and western coasts it is much above the normal, but in most other localities it is either about equal to or rather below that value. The readings range from 49° in the south of Ireland, and southwest of England to 36° over central and eastern England and to 31° at Aberdeen. At Brest the thermometer reads 50° and at Biarritz 53°. The weather has become rainy over Ireland and the greater part of England, but at many of the Scotch stations the sky is at present partially clear. Rain is also falling at Fano and Rochefort. The sea is rough or rather so except off our eastern and northeastern coasts.

Since yesterday rain has fallen at all our more western and extreme northern stations as well as over France, but in the eastern parts of Great Britain the weather has been dry. Maximum temperatures between 48° and 50° have been registered on our southwestern coasts, but in the east and north the readings did not exceed 39° or 40°. A considerable amount of bright sunshine has been recorded in most districts; on the Sussex coast there were nearly seven hours.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The low pressure system in the northwest seems to be rather complex; it is likely to move northeastwards and occasion mild and rainy weather generally and strong winds on many parts of our coasts.

FORECASTS*

For the 24 hours ending at NOON on 29th December 1901

DISTRICTS.

FORECASTS.

0	{ SCOTLAND NORTH	S ^{ly} to SW ^{ly} or W ^{ly} winds, fresh or strong; squally, rain or sleet showers.
1	{ SCOTLAND EAST	
2	{ ENGLAND N.E.	
3	{ ENGLAND EAST	S ^{ly} to SW ^{ly} winds, increasing in force; milder, rain at times.
4	{ MIDLAND COUNTIES	
5	{ ENGLAND SOUTH	S ^{ly} to SW ^{ly} winds, fresh or strong; milder, rain at times.

DISTRICTS.

FORECASTS.

6	{ SCOTLAND WEST	Same as Nos. 0 & 1.
7	{ ENGLAND N.W.	S ^{ly} to SW ^{ly} strong winds or gales; milder, squally, rainy.
8	{ ENGLAND S.W.	
9	{ IRELAND NORTH	S ^{ly} to W ^{ly} winds, strong in places squally, rainy.
10	{ IRELAND SOUTH	
WARNINGS		At 7.15 pm yesterday to districts 5, 7, 8, 9, and 10, "FLOIST 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 8 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	*	z	39	30	4.1	0.02
Newton Reigny (Penrith)	29.51	29	Z 0	z	29.35	- .02	34	33	- 1	SE 3	0	*	z c, 0	38	27	4.8	-
Bath	29.67	38	SW 1	z	29.40	- .14	42	41	+ 12	E 2	7	*	z	48	27	4.2	0.09

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, 6 p.m.	40	32	z	5.3	-	Worthing	*	*	*	5.0	-
Birmingham, 9 p.m.	39	32	z	5.6	-	Llandudno	*	*	*	4.0	-
Lowestoft, 6 p.m.	*	*	*	6.8	*	Rhyl	*	*	*	3.3	-
Hastings	*	*	*	6.5	*	Southport, 9 p.m.	43	33	c, p, z	4.2	0.05
Eastbourne	*	*	*	4.8	*	Manchester, 9 p.m.	40	32	z c	0.3	0.01
Brighton	*	*	*	*	*	Darwen, 9 p.m.	38	32	c v	0.3	0.16

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

STATIONS.	TEMPERATURE.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal) DEC. 27 th	63	46	c, 0	Ins.	Algiers ... DEC. 27 th	52	43	o, c	0.59
Madrid	46	34	c, 0	-	Tunis	61	39	c, 0	-
Corsica (I. Sanguinaires)	54	41	f, f	-	Vienna	39	36	r, 0	0.32
Rome	57	33	o, 0	0.12	St. Petersburg	-4	-13	b, bc	-
Florence	57	42	o, c	0.20	Lugano ... DEC. 26 th	1 p.m.	-	-	Measured 7 a.m. 26
Trieste	54	43	o, r	-	Davos	-	-	Information	-
Brindisi	60	48	c, c	-	Lucerne	-	-	not arrived.	-
Naples	57	45	c, 0	0.95	Lausanne	-	-	-	-
Palermo	66	44	b, 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.

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.	DEC. 28 TH 1901.	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	11.55	3.44
Germany, Denmark, } Norway, Sweden ... }	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Greenwich	8.8	12.2	3.56
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick	9.5	12.14	3.22
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.	Valencia	8.51	12.43	4.35
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 Sunday 29th December

1901.

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.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.			Direc.	Force (0 to 12.)			Weather.	Max.	Min.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather.	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Max.	Min.	Sun- shine. Hours	Rainfall. Ins.
		Ins.					Ins.	Ins.	°	°										
SCANDINAVIA.	Haparanda ...	29.92	8	E	2	S	29.94	-0.05	-4	-4	-15	N	2	b	*	S	12	-13	*	0.12
	Hernösand ...	29.76	16	Z	0	S	29.75	-0.01	16	15	+2	NE	4	o	*	S	18	10	*	0.04
	Stockholm ...	29.76	33	S	2	S	29.80	+0.04	33	32	+8	Z	0	o	*	S	34	21	*	0.04
	Wisby ...	29.83	36	SW	2	bc	29.81	+0.07	34	32	+1	S	4	o	*	bc	45	?	*	0.04
	Karlstad ...	29.69	35	S	2	o	29.76	+0.11	33	32	+3	S	2	o	*	o	*	*	*	0.04
	Färder (X'ania Fjord) ...	29.63	37	SW	2	bc	29.63	+0.11	36	35	-4	SSE	4	o	3	bc	40	36	*	0.08
	Bodö ...	29.58	22	ENE	4	b	29.61	+0.04	19	16	+1	ENE	4	b	2	b	22	16	*	—
	Christiansund ...	29.44	38	WSW	6	+	29.50	+0.18	38	34	-3	ESE	2	b	4	+	43	36	*	0.04
	Skudesnaes ...	29.54	39	S	6	o	29.36	-0.08	39	36	-1	ESE	8	o	5	o	41	37	*	*
BRITISH ISLANDS.	Sumburgh Head ...	29.26	39	SE	3	o	29.03	-0.25	41	41	+6	SE	4	+	6	o	42	35	*	0.18
	Stornoway ...	29.01	39	SE	4	d	28.98	-0.25	36	36	-3	NW	2	o	2	o, d	42	35	0.0	0.07
	Malin Head ...	28.95	44	SSW	3	cg	29.04	+0.05	40	40	0	SW	1	bc	2	o, cg	45	39	*	0.09
	Blacksod Pt. ...	28.97	45	SW	4	omp	29.07	+0.13	39	38	-9	WSW	4	c	4	omp	48	37	*	0.05
	Valencia ...	29.05	43	SSW	2	bc	29.12	+0.06	41	40	-8	SSE	1	op	4	op, bc	49	40	1.1	0.21
	Roche's Point ...	29.07	44	W	2	bm	29.15	+0.03	43	42	-6	N	1	bm	3	f, bm	50	41	*	—
	Parsonstown ...	29.02	42	SE	1	b	29.12	+0.06	33	33	-12	SE	1	c	*	p, b	49	33	1.4	0.03
	Donaghadee ...	29.00	45	S	1	of	29.08	+0.09	38	38	-4	W	3	op	3	of	47	35	*	0.13
	Liverpool Obsy. ...	29.06	39	ESE	4	r	29.17	-0.16	41	40	+6	SW	3	o	3	omp, r	44	35	*	0.13
GERMANY, &c.	Holyhead ...	28.99	47	S	4	dmg	29.13	-0.08	43	42	+1	SW	2	bc	1	r, dmg	47	41	*	0.42
	Pembroke (St. Ann's) ...	29.04	49	WSW	4	c	29.16	-0.05	48	45	-1	SW	4	cu	5	ump, r	50	46	0.0	0.15
	Scilly (St. Mary's) ...	29.08	50	W	5	o	29.20	-0.05	50	49	+1	SW	7	ogr	5	o	52	46	0.0	0.11
	Jersey (St. Aubins) ...	29.28	49	SSE	6	o	29.42	-0.15	48	45	+3	SW	5	bp	4	ophom	49	44	0.0	0.34
	Portland Bill ...	29.14	48	SSE	7	r, m	29.28	-0.16	48	47	+3	WSW	4	b	4	r, m	48	45	*	0.45
	Dungeness ...	29.36	44	S	8	+	29.32	-0.32	47	46	+4	W	5	o	4	r, q	47	41	*	0.30
	Wick ...	29.07	38	SSE	6	o	28.93	-0.37	40	40	+4	Z	0	+	1	o	44	35	*	0.29
	Nairn ...	29.03	37	Z	0	c	28.97	-0.33	36	36	+3	W	1	o	1	c	38	27	*	0.17
	Aberdeen ...	29.11	40	SSE	3	og	28.96	-0.42	37	36	+6	W	2	og	3	og, og	41	30	0.0	0.26
FRANCE.	Leith ...	29.06	37	E	1	+	29.00	-0.31	38	38	+4	WSW	2	o	*	r, o, +	39	33	*	0.62
	North Shields ...	29.14	39	SSE	3	+	29.00	-0.41	38	38	+6	SSW	1	o	2	+	39	32	*	0.25
	Spurn Head ...	29.17	38	SSE	7	o	29.07	-0.43	41	40	+5	WSW	4	c	4	o, r	42	34	*	0.72
	Yarmouth ...	29.36	40	SSE	7	o, r, q	29.16	-0.45	44	43	+7	WSW	5	cg	4	o, o, r, q	44	36	*	0.08
	Loughborough ...	29.19	42	S	3	+	29.18	-0.32	40	38	+4	W	3	b	*	ogd, r	43	36	*	0.63
	Oxford ...	29.12	45	SSE	3	+	29.26	-0.25	43	42	+5	SW	3	o	*	o, r	47	37	*	0.38
	London (Brixton) ...	29.27	44	SE	5	+	29.31	-0.27	42	41	+2	W	2	b	*	o, r	44	41	*	0.30
	The Scaw (Skagen) ...	29.70	36	SW	4	c	29.59	-0.00	37	36	+1	S	4	o	1	c	37	28	*	—
	Fanö ...	29.62	32	SE	5	c	29.41	-0.30	33	32	-4	SE	6	+	*	c	37	32	*	0.08
SPAN. PEN.	Cuxhaven ...	29.80	33	S	3	o	29.44	-0.36	35	34	+1	ENE	5	o	*	o	36	32	*	—
	The Helder ...	29.51	36	SSE	3	c	29.13	-0.60	44	43	+10	S	6	+	4	c	44	32	*	0.20
	Brussels ...	*	*	*	*	*	29.35	-0.48	46	44	+13	SSW	5	+	*	+	47	33	*	0.04
	Berlin ...	29.94	33	S	2	b	29.75	-0.14	30	29	-2	SSE	3	b	*	b	36	28	*	—
	Frankfurt ...	29.84	34	Z	0	b	29.63	-0.27	34	33	-3	ESE	1	S	*	b	41	32	*	0.08
	Munich ...	29.96	26	SE	2	b	29.73	-0.20	24	24	-9	SE	2	c	*	b	36	19	*	—
	C. Gris Nez ...	29.37	41	S	6	+	29.30	-0.41	47	46	+10	WSW	6	o	6	+	47	37	*	0.43
	Brest ...	29.21	50	SW	5	+	29.36	-0.09	49	48	-1	WSW	6	+	6	+	50	46	*	0.51
	Lorient ...	29.30	52	SSW	7	o	29.49	-0.25	50	50	-1	WSW	5	+	5	o	54	45	*	0.79
Rochefort ...	29.55	48	S	3	+	29.69	-0.13	50	48	+6	WSW	4	bc	*	+	56	44	*	0.40	
SPAN. PEN.	Biarritz ...	29.66	61	S	7	c	29.92	+0.08	52	46	-1	SW	4	b	5	c	61	48	*	0.35
	Paris ...	29.59	41	SSE	3	o	29.49	-0.35	45	45	+13	SW	3	c	*	o	46	32	*	0.16
	Belfort ...	29.86	32	E	3	b	29.63	-0.30	37	37	+8	WSW	1	+	*	b	40	30	*	0.24
	Lyons ...	29.89	39	S	3	+	29.76	-0.04	38	38	+9	E	1	f	*	+	39	29	*	0.39
SPAN. PEN.	Nice ...	30.00	40	E	1	b	29.83	-0.04	37	35	+1	E	2	+	3	b	50	36	*	0.43
	Perpignan ...	29.91	44	Z	0	bc	29.87	-0.08	51	42	+15	W	3	b	*	bc	53	35	*	0.04
	Corunna ...	30.11	57	WSW	4	b	30.23	+0.15	54	53	-3	WSW	3	c	*	b	59	54	*	0.28
SPAN. PEN.	Lisbon ...	30.17	60	WSW	4	b	30.08	+0.01	63	59	+3	SW	6	c	5	b	64	59	*	—
	Azores (P. Delgada) ...	30.17	60	WSW	4	b	30.08	+0.01	63	59	+3	SW	6	c	5	b	64	59	*	—

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, 29th December, 1901.*

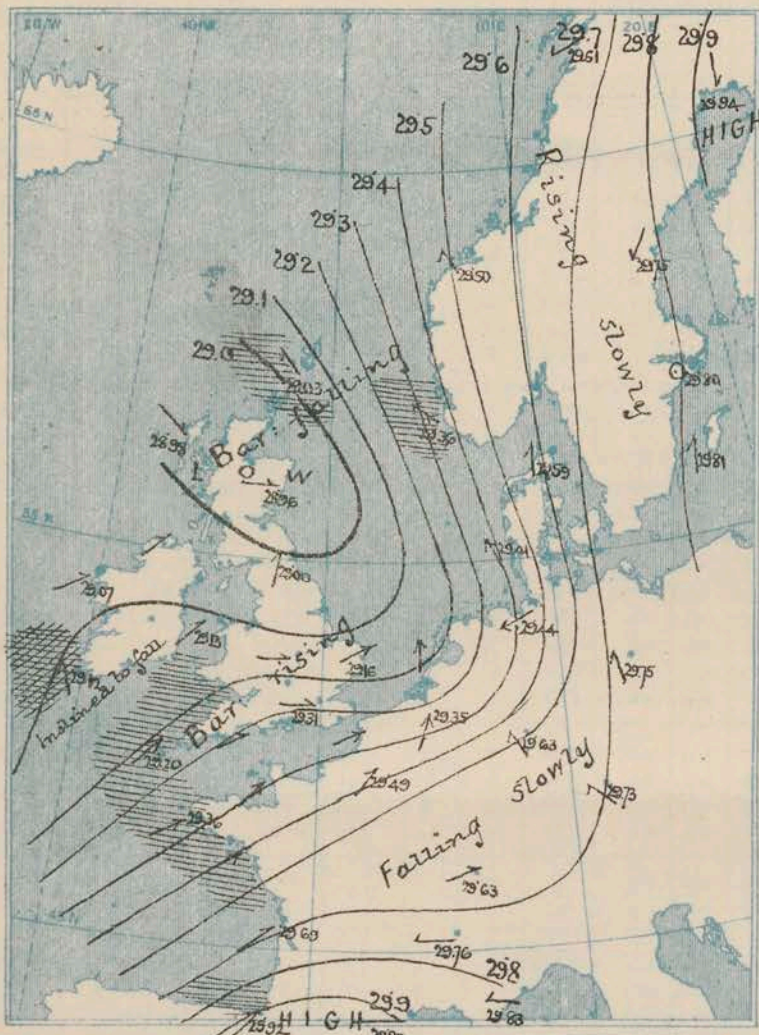
I. BAROMETER, WIND AND SEA. *This Morning.*

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 :

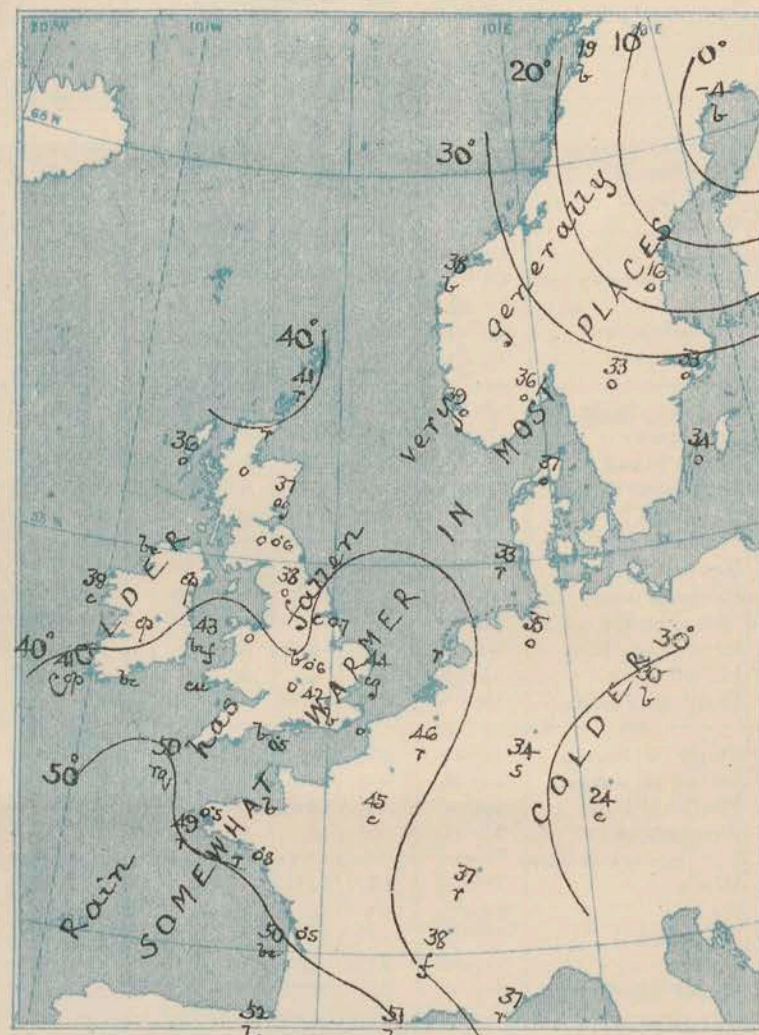


II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

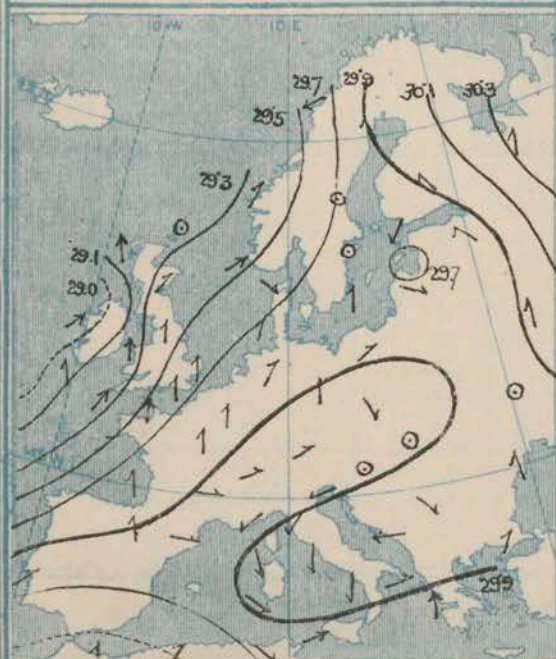
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

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

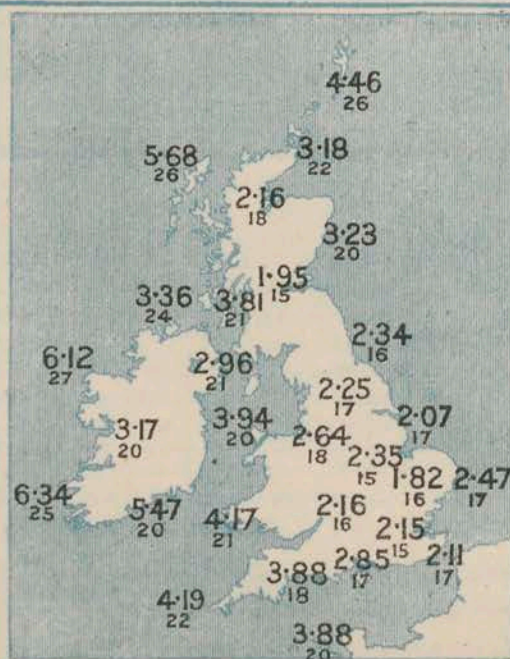
Yesterday morning.



IV. Average RAINFALL and NUMBER OF RAIN DAYS in month of DECEMBER (1871-1900)

Specimen { RAINFALL 2.34
(for Shields) { RAIN DAYS 16

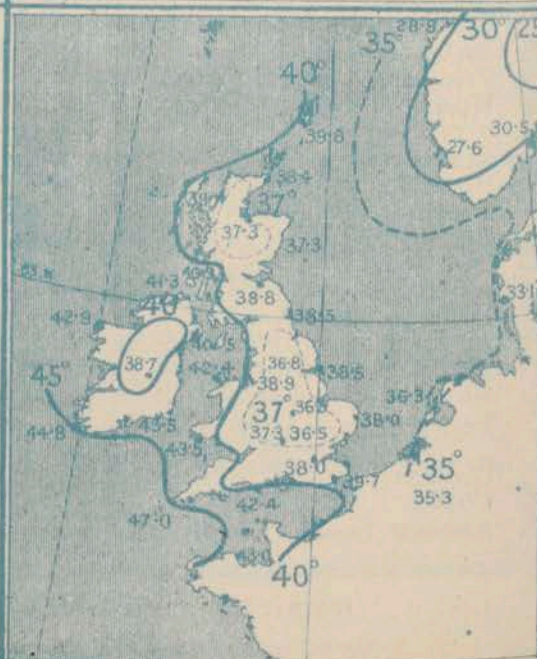
Main Head & Blacksod - Belmullet Values are for only 15 Yrs



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 barometer is highest, 30.2 ins. and upwards, over the southern parts of the Spanish Peninsula, but somewhat high, 29.9 ins. and upwards, in the north of Sweden. The lowest readings, 29.0 ins. and less, are found in a cyclonic system with its centre off the coasts of Aberdeenshire, small secondary disturbances being reported over the southern parts of the North Sea. The mercury is at present rising in most parts of the United Kingdom and in the west of France, but falling elsewhere.

WIND

TEMPERATURE

WEATHER

AND

SEA

SW or W winds prevail over nearly the whole of our Islands and France, and blow strongly at the mouth of the English Channel. In the Netherlands the wind is S.W. and over Germany and the eastern shores of the North Sea, S.E. with a gale at Skudesnaes; in the Gulf of Bothnia it is light or moderate from N or N.E. Temperature has risen over Great Britain, France, and the Netherlands, fallen elsewhere. At the English and Welsh stations the thermometer is now above the average, the highest readings reported being 58° at Scilly and 48° at Pembroke, Jersey, and Portland Bill. Over the northern parts of the United Kingdom and in central Ireland the readings are mostly below 40° and at Parsonstown the thermometer stands at 33°. Frost prevails in Sweden and Germany, the reading at Haparanda being as low as -4°. The weather is temporarily fine in the south of England, and also in the west of Norway, and southwest of France. Elsewhere the sky is cloudy and overcast with passing showers in Ireland, and steady rain in the extreme north of Scotland, as well as in the Netherlands, and at several French stations; snow is falling at Frankfurt. The sea is high at Valencia, and rough, or rather so, on our southwestern and the French coasts generally as well as off the Shetlands and of our western and southern stations, to 50° at Rock's Point and Pembroke and to 52° at Scilly. No bright sunshine was recorded at any of the stations in Great Britain and very little in Ireland. Rain fell over western Europe generally, the largest amounts being 0.7 at Brest, and 0.6 at Spurn Hd.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS *

For the 24 hours ending at NOON on 30th December 1901

DISTRICTS.

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

FORECASTS.

NONE ISSUED

DISTRICTS.

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

FORECASTS.

NONE ISSUED

WARNINGS

The signals are still up in districts 5, 7, 8, 9, and 10.

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

* 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	45	38	0.0	0.10
Newton Reigny (Penrith) Bath	29.29	46	Sw. 3	r	29.26	-14	42	40	0	NW. 2.	bc	*	r	50	27	0.0	0.89

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, 6 p.m.	38	29	b, o, r	0.0	0.01	Worthing	*	*	*	0.0	*
Birmingham, 9 p.m.	42	30	r	0.0	0.45	Llandudno	*	*	*	0.0	*
Lowestoft, 6 p.m.	*	*	*	*	*	Rhyl	*	*	*	*	*
Hastings	*	*	*	*	*	Southport, 9 p.m.	43	31	o, r	0.0	0.62
Eastbourne	*	*	*	*	*	Manchester, 9 p.m.	44	43	o, r	0.0	0.22
Brighton	*	*	*	*	*	Darwen, 9 p.m.	*	*	*	*	*

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

STATIONS.	TEMPERATURE.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal) <i>DEC. 28</i>	-	-	-	Ins.	Algiers <i>DEC. 28.</i>	59	50	o, b	-
Madrid	-	-	-	-	Tunis	64	41	f, o	-
Corsica (I. Sanguinaires)	57	37	f, m	0.08	Vienna	43	36	o, o	-
Rome	52	40	o, o	0.43	St. Petersburg	7	-13	s, s	0.16
Florence	51	37	c, o	-	Lugano <i>DEC. 27</i>	41	-	b	Measured 7 a.m. 27
Trieste	52	41	c, c	0.08	Davos	21	-	b	-
Brindisi	60	46	c, o	-	Lucerne	41	-	c	-
Naples	55	41	o, o	0.83	Lausanne	34	-	o	0.04
Palermo	67	43	c, c	0.24					

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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.		<i>DEC. 29, 1901.</i>	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	11.55	3.45
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Greenwich		8.8	12.2	3.57
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick		9.5	12.14	3.23
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.	Valencia		8.51	12.43	4.36
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 Monday 30th December

1901.

Issued by the Meteorological Office, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.					
		BAROM.		TEMP.		WIND.	Weather.	BAROMETER.		TEMPERATURE.				WIND.		Weather.	Sea (0 to 9.)	Weather.	TEMP.			Rainfall. Ins.
		At 32° and M.S.L.	Ins.	Dry Bulb.	Direc.			Force (0 to 12.)	At 32° Fabr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)				Max.	Min.	Sun- shine. Hours	
SCANDINAVIA.	Haparanda ...	30.04	0	NE	2	0	30.11	+17	2	2	+6	E	2	0	*	0	9	-4	*	—		
	Hernösand ...	29.85	15	Z	0	0	29.75	00	21	19	+5	N	2	5	*	0	46	14	*	0.16		
	Stockholm ...	29.78	34	Z	0	0	29.76	-04	34	33	+1	S	2	7	*	0	34	28	*	—		
	Wisby ...	29.48	35	SE	4	bc	29.46	-05	34	33	0	S	4	5	*	bc	45	34	*	—		
	Karlstad ...	29.62	33	ESE	2	S	29.62	-14	36	35	+3	SW	4	0	*	S	*	*	*	0.08		
	Færder (X'ania Fjord) ...	29.48	35	E	4	+	29.54	-09	39	38	+3	W	2	0	3	+	39	34	*	0.39		
	Bodö ...	29.72	20	ENE	4	b	29.72	+11	19	19	0	ENE	4	6	2	b	20	16	*	—		
	Christiansund ...	29.42	36	ESE	2	b	29.39	-11	35	32	-3	Z	0	bc	3	b	38	34	*	—		
	Skudesnaes ...	29.25	39	ESE	4	0	29.45	+09	44	43	+5	S	4	0	4	0	44	34	*	*		
	Sumburgh Head ...	29.02	40	ESE	6	+	29.19	+16	43	42	+2	WSW	2	c	5	+	43	38	*	0.37		
BRITISH ISLANDS.	Stornoway ...	29.13	38	WNW	3	b	29.09	+11	44	42	+8	ESE	4	+	4	b	44	32	2.0	—		
	Malin Head ...	29.22	42	SW	3	bc	28.94	-10	48	47	+8	SSW	6	capp	5	bc	48	40	*	0.05		
	Blacksod Pt. ...	29.25	43	WSW	3	bc	28.95	-12	51	48	+12	SSW	7	ogrm	6	bc	51	39	*	0.22		
	Valencia ...	29.32	45	SSE	2	0	29.16	+04	51	50	+10	SSW	7	+	6	bc, o	54	39	3.6	0.54		
	Roche's Point ...	29.39	45	WSW	1	0	29.31	+16	50	49	+7	SW	7	cp	5	b, o	50	43	*	0.36		
	Parsonstown ...	29.34	39	SE	1	b	29.16	+04	50	48	+17	SW	2	cg	*	b	50	32	5.2	0.23		
	Donaghadee ...	29.29	38	W	2	0	29.11	+03	48	48	+10	SW	3	cg	3	c	48	36	*	0.25		
	Liverpool Obsy. ...	29.38	40	SSW	2	b	29.32	+15	46	45	+5	SSE	4	o	3	b	46	38	*	0.16		
	Holyhead ...	29.33	43	SW	1	b	29.24	+11	50	50	+7	SW	7	og	5	c, b	50	42	*	0.10		
	Pembroke (St. Ann's) ...	29.44	47	WSW	4	c	29.40	+24	52	50	+4	SSW	7	oggrm	6	c	53	43	1.4	0.30		
GERMANY, &c.	Scilly (St. Mary's) ...	29.46	49	WNW	7	cp	29.50	+30	53	52	+3	SSW	7	m	6	cp	53	48	3.9	0.42		
	Jersey (St. Aubins) ...	29.56	49	W	5	bcq, p	29.50	+38	52	51	+4	SW	4	rmr	4	bcq, pg	52	45	1.3	0.22		
	Portland Bill ...	29.46	47	W	3	b	29.60	+32	51	51	+3	SW	5	rm	5	b	51	46	*	0.26		
	Dungeness ...	29.45	48	SW	5	b	29.64	+32	50	50	+3	SW	6	+	5	o, p, q	50	44	*	0.13		
	Wick ...	29.07	40	W	3	0	29.15	+22	42	41	+2	S	2	0	1	0	44	36	*	0.09		
	Nairn ...	29.15	39	W	2	c	29.13	+11	40	38	+4	Z	0	0	1	c	42	34	*	0.02		
	Aberdeen ...	29.17	41	SW	2	c	29.23	+27	42	40	+5	SSE	3	og	3	c	43	31	1.5	0.01		
	Leith ...	29.19	38	WSW	2	bc	29.17	+17	40	39	+2	SE	3	+	*	bc	42	34	*	0.10		
	North Shields ...	29.29	41	SW	1	b	29.28	+28	39	39	+1	SSE	3	+	2	bm	43	37	*	0.08		
	Spurn Head ...	29.38	40	SSW	2	b	29.42	+35	41	41	0	SSE	5	rf	4	b	43	36	*	0.09		
FRANCE.	Yarmouth ...	29.39	44	SW	3	bc	29.54	+38	45	44	+1	S	4	or	4	bc	46	38	*	0.04		
	Loughborough ...	29.40	42	SE	1	0	29.44	+26	46	45	+6	SSW	3	+	*	bc, cg, r	46	39	*	0.12		
	Oxford ...	29.51	41	WSW	2	b	29.53	+27	52	51	+9	SW	4	+	*	p, b	52	40	*	0.25		
	London (Brixton) ...	29.44	45	SW	2	c	29.58	+27	51	50	+9	WSW	5	+	*	o, b	51	42	1.3	0.37		
	The Scaw (Skagen) ...	29.41	39	SSW	6	0	29.62	+03	41	40	+4	SW	3	0	1	0	41	37	*	0.08		
	Fanö ...	29.54	40	SW	2	0	29.70	+29	39	39	+6	SSW	4	+	*	0	41	32	*	0.16		
	Cuxhaven ...	29.52	41	S	4	0	29.76	+32	41	40	+6	S	4	0	*	0	41	35	*	—		
	The Helder ...	29.50	44	SW	2	b	29.67	+54	42	42	-2	SSW	3	c	3	b	46	41	*	—		
	Brussels ...	*	*	*	*	+	29.81	+26	44	43	-2	SSW	5	+	*	0	45	42	*	—		
	Berlin ...	29.73	34	S	2	+	29.92	+17	36	35	+6	SW	2	0	*	+	36	30	*	0.04		
SPAN. PEN.	Frankfurt ...	29.78	40	SW	1	0	29.97	+34	42	41	+8	SW	4	0	*	0	43	34	*	0.12		
	Munich ...	29.81	34	SW	3	+	30.11	+38	37	36	+13	SW	4	c	*	+	39	24	*	0.24		
	C. Gris Nez ...	29.48	47	WSW	5	+	29.65	+35	47	46	0	SW	6	+	6	+	48	41	*	0.24		
	Brest ...	29.67	51	W	4	bc	29.79	+43	52	51	+3	WSW	5	f	6	bc	52	46	*	0.08		
	Lorient ...	29.72	51	NW	6	bc	29.88	+39	54	54	+4	SW	6	f	7	bc	54	50	*	0.08		
	Rochefort ...	29.84	51	W	6	0	30.06	+37	52	51	+2	WSW	5	0	*	0	54	48	*	0.12		
	Biarritz ...	30.06	55	SW	5	c	30.17	+45	55	48	+3	SSE	4	b	6	c	57	48	*	—		
	Paris ...	29.63	45	SSW	3	0	29.91	+42	48	47	+3	SSW	3	0	*	0	50	41	*	0.08		
	Belfort ...	29.78	40	WSW	4	0	30.10	+47	41	40	+4	SW	5	0	*	0	41	37	*	0.32		
	Lyons ...	29.86	51	S	1	+	30.28	+52	42	41	+4	SSW	1	0	*	+	51	38	*	0.08		
Nice ...	29.84	45	W	2	b	30.06	+23	40	37	+13	SW	2	b	4	b	50	37	*	0.16			
Perpignan ...	30.02	50	SW	2	b	30.22	+35	52	?	+1	SE	2	b	*	b	60	45	*	?			
SPAN. PEN.	Corunna ...																					
	Lisbon ...																					
	Azores (P. Delgada) ...																					

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, 30th December, 1901.

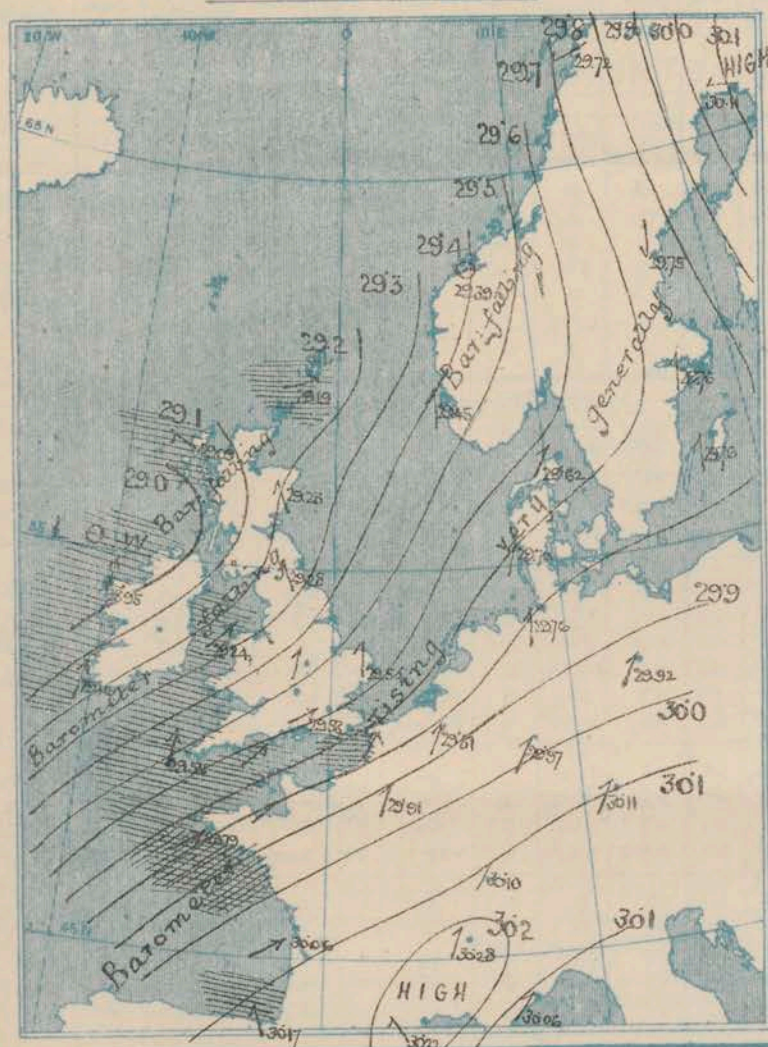
I. BAROMETER, WIND AND SEA. This Morning.

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

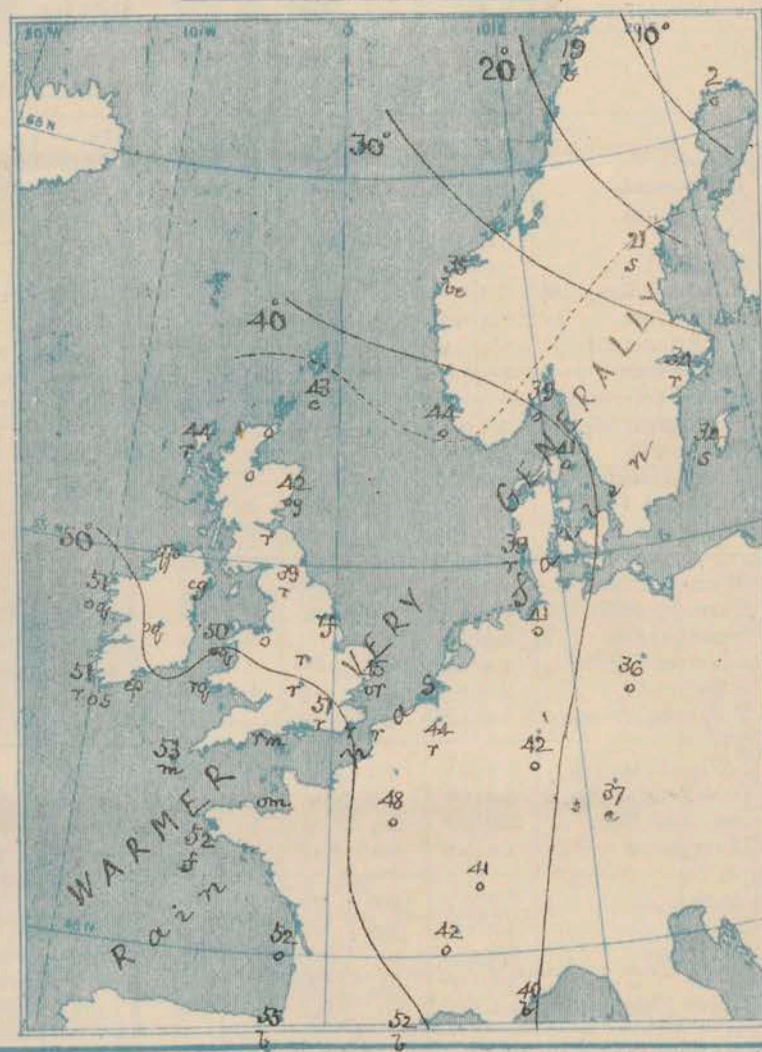


II. TEMPERATURE AND WEATHER. This Morning.

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

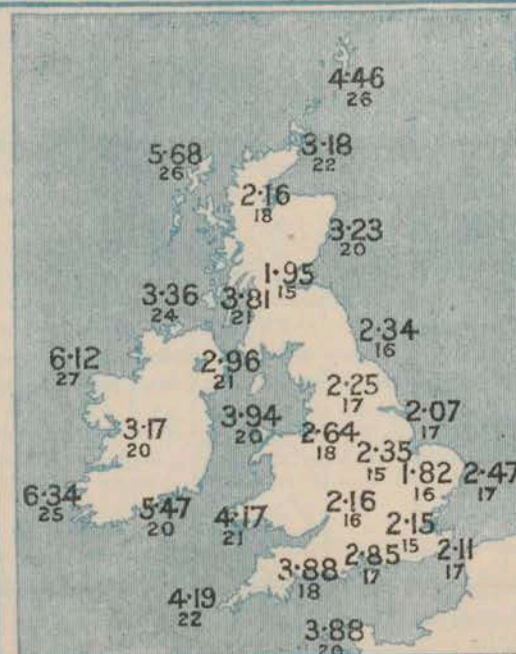
Yesterday morning.



IV. Average RAINFALL and NUMBER OF RAIN DAYS in month of DECEMBER (1871-1900)

Specimen { RAINFALL 2.34
(for Shields) { RAIN DAYS 16

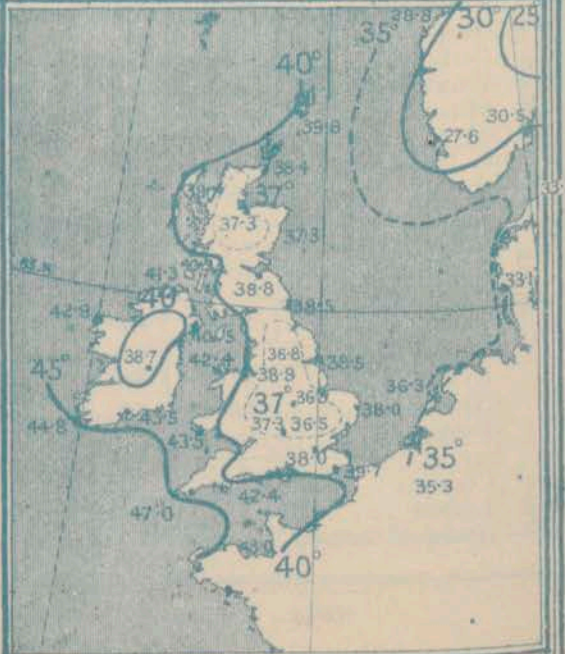
Malin Head & Blacksod-Belmullet Values are for only 15 Yrs.



V. Means of DAILY TEMPERATURE

at 8 am. for the Two monthly period.

December-January (1871-1900)



GENERAL SITUATION AT 8 A.M.

PRESSURE

A new cyclonic disturbance has appeared off our extreme north-west coasts and the barometer is falling in the west and north of our islands generally, the lowest readings, 29.6 ins. and less, being at present reported on the north and north-west coasts of Ireland. In most other places the mercury is rising, the highest readings, 30.1 ins. and upwards, being found in two areas - one lying over Lapland and the other over the southern parts of France and Germany.

WIND

TEMPERATURE

WEATHER

AND

SEA

The wind is strong from the south-westward in the west and south of our islands, with a moderate gale on several parts of our western coasts, and moderate from the same quarter over France and Germany. On the eastern shores of the North Sea it is chiefly S.W. and on our own eastern and northern coasts S.E. Temperature has risen generally and is now above the average in nearly all parts of Western Europe. In the south and extreme west of our islands the thermometer is now above 50°, the highest reading reported being 53° at Bath; the lowest reading over the United Kingdom is 39° at Shields and Newton Regilly (Baird). Hard frost prevails over the northern parts of Scandinavia, the morning temperatures being as low as 2° at Haparanda and 19° at Bodö. The weather is cloudy or dull generally with rain over nearly the whole of England and the adjacent parts of the Continent, as well as at some of the Irish and Scotch stations. Rain is also falling at Stockholm and Fano and snow at Helsingfors and Wisby, but in Norway the weather is at present fine. The sea is rough on our western, southern and the French coasts and rather rough at Cumborough Hd., moderate or light elsewhere. During yesterday the thermometer remained below 45° at most of our northern stations, but rose to 50° or slightly above it on some parts of our southern coasts. The duration of Bright Sunshine was rather large at some of our western stations (as much as 5.2 hrs. at Portmarnock), but small elsewhere. Rain has fallen over practically the whole of western Europe, the amount at some of our western and southern stations being rather considerable.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The cyclonic disturbance off our north-west coasts will probably move northwards, but with the existing distribution of pressure further disturbances are likely to appear shortly in the west. The weather is therefore likely to remain mild and very changeable, with strong winds from the south or south-west.

FORECASTS *

For the 24 hours ending at NOON on 31st December, 1901

DISTRICTS.

FORECASTS.

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

SE^{ly} to S^{ly} winds, freshening; unsettled, some rain. Milder.

S^{ly} winds, fresh or strong; rainy at first, improving temporarily later.

SW^{ly} winds, strong; rainy at first, improving temporarily later.

DISTRICTS.

FORECASTS.

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

Same as Nos 0 & 1.

S^{ly} and SW^{ly} gales, or strong winds; mild, squally, rain at times.

WARNINGS

At 7.20 pm yesterday to Districts 8 & 10, and at 10 am this morning to Districts 7 & 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. Dry. Wet. Change.			Wind.	Weather.	Sea.	Weather.	Temperature. Max. Min.	Sun- shine. Hrs.	Rainfall Ins.
Clacton-on Sea	*	*	*	*	*	*	*	*	*	+	*	b, o	45 38	4.2	0.22
Newton Reigny (Penrith)	29.32	38	SW 1	b, c	29.24	39	38		SE 4	org	*	om, c	41 36	1.5	0.04
Bath	29.47	47	SW 2	b	29.54 +.28	53	52	+11	SW 5	+	*	b	54 40	1.5	0.33

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, 6 p.m.	43	37	c	0.3	0.35	Worthing	*	*	*	1.1	*
Birmingham, 9 p.m.	43	38	c	0.7	0.47	Llandudno	*	*	*	1.4	*
Lowestoft, 6 p.m.	*	*	*	*	*	Rhyl	*	*	*	3.3	*
Hastings	*	*	*	0.0	*	Southport, 9 p.m.	*	*	*	2.9	*
Eastbourne	*	*	*	0.2	*	Manchester, 9 p.m.	*	*	*	*	*
Brighton	*	*	*	1.3	*	Darwen, 9 p.m.	*	*	*	*	*

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

STATIONS.	TEMPERATURE.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal) DEC. 29				Ins.	Algiers ... DEC. 29				Ins.
Madrid					Tunis			Information	
Corsica (I. Sanguinaires)					Vienna			not arrived	
Rome			Information		St. Petersburg				
Florence					Lugano ... DEC. 28	39	—	b	Measured 7 a.m. 28
Trieste			not		Davos	25	—	s	—
Brindisi					Lucerne	37	—	b	—
Naples			arrived		Lausanne	34	—	o	0.16
Palermo									

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.

DEC. 30, 1901.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	8.6	11.56	3.46
Greenwich	8.8	12.3	3.58
Wick	9.5	12.15	3.24
Valencia	8.51	12.44	4.37

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

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

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

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

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

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

DAILY WEATHER REPORT

for 8 a.m. on Tuesday 31ST December 1901.

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.				
		At 39° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 39° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)	Max.			Min.	Sun- shine. Hours	Rainfall. Ins.		
																				Ins.	Ins.
SCANDINAVIA.	Haparanda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hernösand	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Stockholm	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Wisby	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Karlstad	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Færder (X'ania Fjord)	29.59	38	ESE	4	f	29.40	-14	41	41	+2	SSW	2	f	3	f	41	37	*	0.24	
	Bodö	29.66	24	ENE	5	b	29.54	-18	25	23	+6	ENE	6	b	2	b	41	19	*	—	
BRITISH ISLANDS.	Christiansund	29.43	36	WSW	3	c	29.19	-20	39	35	+4	WSW	1	bc	4	c	39	32	*	—	
	Skudesnaes	29.29	42	S	8	r	29.25	-20	45	45	+1	SW	6	o	5	r	45	41	*	*	
	Sumburgh Head	29.02	41	SE	4	o	28.96	-23	45	44	+2	SW	3	+	5	o	45	40	*	0.10	
	Stornoway	28.88	46	WSW	3	r	29.08	-01	44	44	0	W	3	+	3	d, r	49	39	0.0	0.40	
	Malin Head	28.98	48	SW	6	opq	29.47	+53	46	45	-2	W	7	cq	5	r, opq	48	45	*	0.15	
	Blacksod Pt.	29.03	50	SW	8	rqm	29.57	+62	46	44	-5	SW	4	bcn	4	bc, qm, r	52	45	*	0.22	
	Valencia	29.38	52	SSW	7	c	29.71	+55	48	46	-3	S	4	op	5	om, c	54	43	0.0	0.04	
GERMANY, &c.	Roche's Point	29.43	51	SW	7	cp	29.76	+45	48	47	-2	W	3	m	4	bc, cp	52	47	*	0.09	
	Parsonstown	29.28	51	SW	6	b	29.67	+51	45	43	-5	SW	3	cp	*	c, b	53	44	1.2	0.07	
	Donaghadee	29.17	50	SW	3	cu	29.47	+36	47	45	-1	WSW	5	bcq	4	cu	52	45	*	—	
	Liverpool Obsy.	29.45	48	SW	7	b	29.71	+39	48	45	+2	SW	7	b	5	p, b	53	43	*	—	
	Holyhead	29.39	51	SW	8	bcqm	29.70	+46	48	46	-2	SW	6	bcn	5	sq, dp, bcn	51	46	*	—	
	Pembroke (St. Ann's)	29.57	52	SW	7	c	29.81	+41	50	48	-2	SW	6	cqm	6	c	53	49	0.2	0.02	
	Scilly (St. Mary's)	29.64	54	SSW	7	o	29.85	+35	53	52	0	SSW	5	opm	7	o	55	51	0.7	0.04	
FRANCE.	Jersey (St. Aubins)	29.94	52	SSW	4	op	30.11	+31	52	51	0	SW	5	o	4	o, op, g	54	51	0.0	0.08	
	Portland Bill	29.79	52	SSW	6	opq	29.96	+36	51	50	0	SW	6	omd	5	omd, opq	53	50	*	0.26	
	Dungeness	29.80	52	SW	7	p	30.00	+36	51	50	+1	WSW	7	oqr	7	r, p	52	49	*	0.15	
	Wick	28.99	41	S	1	c	29.05	-10	43	42	+1	SSW	1	c	1	c	45	36	*	0.09	
	Nairn	28.97	43	Z	0	bc	29.06	-07	45	43	+5	W	3	bc	2	bc	45	36	*	0.07	
	Aberdeen	29.07	44	SSW	5	bcq	29.18	-05	45	41	+3	SW	3	bc	2	cq, bcq	46	41	0.0	0.06	
	Leith	29.10	47	SSE	4	bc	29.35	+18	47	46	+7	SW	5	bcq	*	bc	51	35	*	0.11	
SPAN. PEN.	North Shields	29.30	50	SSW	3	bc	29.52	+24	47	45	+8	SSW	3	bc	2	r, bc, bc	50	38	*	0.03	
	Spurn Head	29.51	46	WSW	5	b	29.73	+31	46	45	+5	SW	5	bc	4	b	51	40	*	0.05	
	Yarmouth	29.63	52	SSW	5	bc	29.84	+30	50	48	+5	SW	4	bc	4	c, bc	54	44	*	0.05	
	Loughborough	29.59	53	WSW	5	o	29.81	+39	48	46	+2	SW	4	b	*	r, bc, o, b	54	46	*	0.02	
	Oxford	29.73	53	SW	4	bc	29.91	+138	51	49	-1	SSW	3	oq	*	bc	56	50	*	0.02	
	London (Brixton)	29.75	54	WSW	5	bc	29.94	+36	53	51	+2	SW	6	o	*	op, c, q	56	50	0.7	0.11	
	The Scaw (Skagen)	29.57	39	SSW	3	+	29.50	-12	45	45	+4	WSW	3	o	1	+	46	39	*	0.16	
GERMANY, &c.	Fanö	29.62	42	WSW	6	b	29.71	+01	44	43	+5	WSW	6	c	*	b	45	39	*	0.16	
	Cuxhaven	29.72	44	SW	5	+	29.87	+11	49	48	+8	WSW	6	o	*	+	50	41	*	0.16	
	The Helder	29.71	48	SW	5	bc	29.88	+21	48	47	+6	SW	5	o	5	bc	48	42	*	0.16	
	Brussels	...	...	...	...	...	30.12	+31	52	50	+8	SW	6	o	*	c	54	44	*	0.08
	Berlin	29.96	40	SSW	3	+	30.00	+08	48	48	+12	SW	2	+	*	+	48	36	*	0.20	
	Frankfurt	30.13	49	SW	4	o	30.23	+26	51	49	+9	SW	4	o	*	o	52	42	*	0.08	
	Munich	30.27	43	SW	4	c	30.41	+30	44	42	+7	SW	5	bc	*	c	46	36	*	0.04	
FRANCE.	C. Gris Nez	29.88	50	SW	7	r	29.99	+34	50	49	+3	WSW	7	o	4	+	54	47	*	0.28	
	Brest	29.94	52	SSW	5	f	30.07	+28	52	52	0	SW	4	bc	6	f	54	52	*	0.16	
	Lorient	30.04	51	SW	6	o	30.15	+24	52	52	-2	SSW	4	b	7	o	55	48	*	—	
	Rochefort	30.28	48	WSW	4	b	30.27	+21	45	44	-7	SSE	2	bc	*	b	58	43	*	—	
	Biarritz	30.23	58	S	3	b	30.22	+05	52	51	-3	SSE	3	b	7	b	61	50	*	—	
	Paris	30.12	54	SSW	3	o	30.25	+34	45	44	-3	SSW	3	b	*	o	55	44	*	—	
	Belfort	30.24	46	SW	6	+	30.35	+25	44	42	+3	Z	0	bc	*	+	48	41	*	0.08	
SPAN. PEN.	Lyons	29.98	42	S	5	b	30.43	+15	36	?	-6	SE	1	m	*	b	53	36	*	0.32	
	Nice	30.26	47	SW	1	b	30.42	+36	41	35	+4	E	2	b	2	b	57	40	*	—	
	Perpignan	30.33	48	SW	2	b	30.39	+14	38	37	-14	W	2	o	*	b	65	37	*	—	
SPAN. PEN.	Corunna	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Lisbon	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Azores (P. Delgada)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

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, 31st December, 1901.*

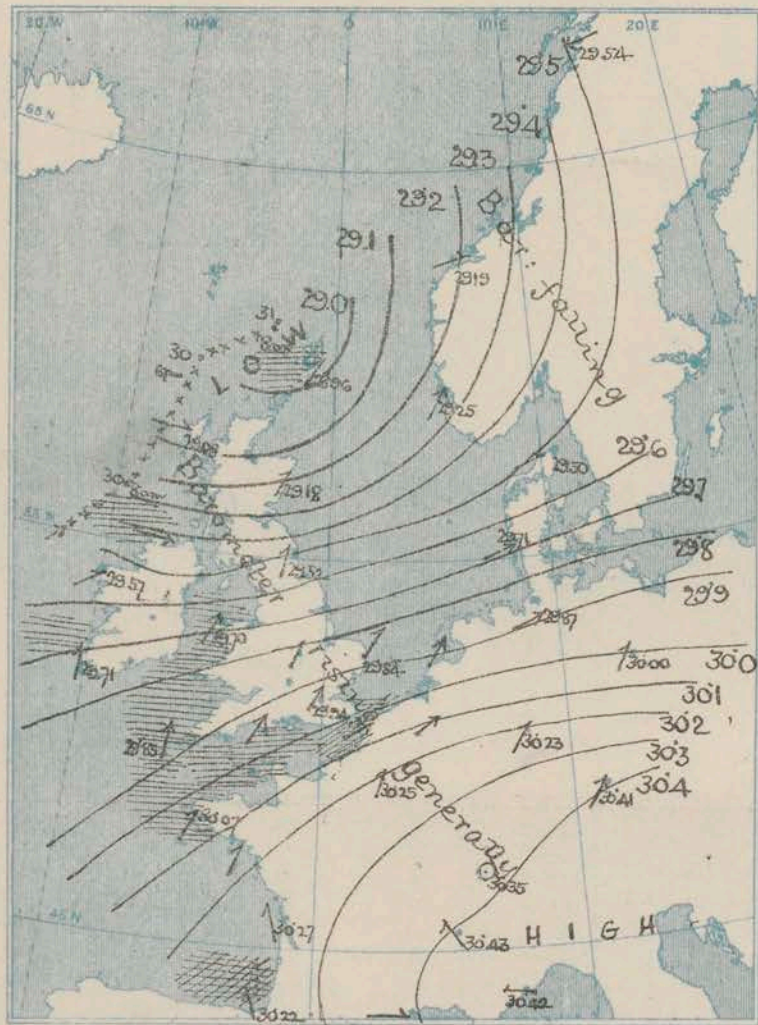
I. BAROMETER, WIND AND SEA. *This Morning.*

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—0.8



III. BAROMETER AND WIND

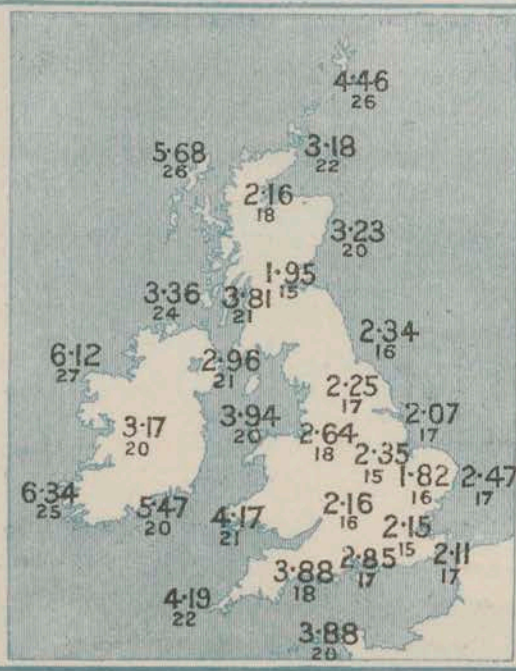
Yesterday morning.



IV. Average RAINFALL and NUMBER OF RAIN DAYS in month of DECEMBER (1871-1900)

Specimen { RAINFALL 2.34
(for Shields) { RAIN DAYS 16

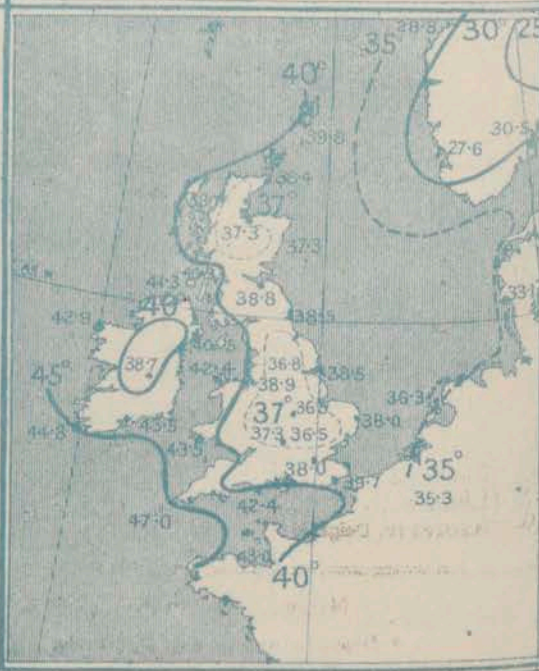
Malin Head & Blacksod - Belmullet Values are for only 15 Yrs.



V. Means of DAILY TEMPERATURE

at 8 am. for the Two monthly period

December - January (1871-1900.)



GENERAL SITUATION AT 8 A.M.

PRESSURE

The cyclonic system noticed yesterday morning off our extreme north-west coasts has travelled north-eastwards, its centre being now situated near the Shetlands, in which locality the barometer has fallen below 29.0 in. Over the northern parts of our islands and the North Sea the barometric gradient is at present steep, but the mercury is rising at all but the Scandinavian stations. An anticyclone has appeared over France and Germany, the highest readings, 30.4 in. and upwards, being reported in the southern parts of those countries.

WIND

TEMPERATURE

WEATHER

AND

SEA

S.W. winds are prevalent over nearly the whole of north-western Europe and blow strongly on many parts of our own western and southern coasts, as well as on the eastern shores of the North Sea, at Valencia, however, there is a moderate breeze from the Southward. In the south of France the wind is light from south-east. Temperature has fallen slightly in the west of our islands and also in the south of France, but has risen in all other parts of our area and is everywhere very high for the time of year. In the south of England and the neighbouring parts of the Continent, where the thermometer records 50°, the readings are more than 10° above the average, the reading of 53° in London being no fewer than 15° above it. In the north of Scotland the readings are slightly below 45° but are about 5° in excess of the normal. The weather remains dull and unsettled in the extreme north and south of our islands, with rain in several places. Dull weather is also reported over the Netherlands, Denmark, Germany and the south of Norway, but in France and in all the more central parts of the United Kingdom the sky is clear or nearly so. The sea is high at Scilly, Dungannon and Biarritz and rough to rather so on most parts of our western, southern and extreme northern coasts.

During yesterday the thermometer rose to 50° and upwards in all but the extreme northern and north-western parts of the United Kingdom, to 55° at Scilly and to 56° in London and at Oxford. At the majority of our stations there was an entire absence of bright sunshine; at Southport however, there were 3.4 hours and at Rhyol 2.5 hours. Rain fell over nearly the whole of western Europe, but the amount was nowhere large.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer is at present rising decidedly in the west, but the wind at Valencia is inclined to back and there is consequently some reason for anticipating the early arrival of fresh disturbances off our western coasts. Mild S.W. and S.W. winds are therefore likely to continue for the present.

FORECASTS *

For the 24 hours ending at NOON on 1st January, 1901-2

DISTRICTS.

FORECASTS.

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

SW to S winds, moderate at first, but increasing later; fair, then cloudy, with some rain.

SW winds, strong in places; fair at first, some rain later. Very mild.

DISTRICTS.

FORECASTS.

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

Same as nos 0-1

S to S.W. winds, strong; fair at first, some rain later.

WARNINGS

The South Cone is still flying 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 8 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	*	*	*	*	*	*	*	*	*	c	*	0	48 43	0.6	0.06
Newton Reigny (Penrith)	29.29	44	SW 7	r	29.57 + 33	46	45	+ 4	WSW 6	0	*	og. q. m.	49 37	0.0	0.42
Bath	29.85	54	SW 5	0	29.90 + 36	52	50	- 1	SW 2	bc	*	0	58 52	2.5	0.05

REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			
Harrogate, 6 p.m.	51	36	c	0.0	0.14	Worthing	*	*	*	0.0	*
Birmingham, 9 p.m.	54	39	c	0.2	0.12	Llandudno	*	*	*	1.1	*
Lowestoft, 6 p.m.	54	37	c	0.0	0.12	Rhyl	*	*	*	3.5	*
Hastings	*	*	*	0.0	*	Southport, 9 p.m.	52	35	o, r, c, b	3.4	0.18
Eastbourne	*	*	*	0.0	*	Manchester, 9 p.m.	54	39	o, u	1.8	0.17
Brighton	*	*	*	0.0	*	Darwen, 9 p.m.	49	34	o, u	0.0	0.18

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

STATIONS.	TEMPERATURE.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal) DEC. 30	68	54	b, c	Ins.	Algiers ... DEC. 30	66	55	b, c	Ins.
Madrid	54	41	c, r	—	Tunis	64	45	c, c	—
Corsica (I. Sanguinaires)	52	43	bc, bc	—	Vienna	36	32	f, o	—
Rome	52	43	o, o	0.63	St. Petersburg	12	- 4	o, o	0.08
Florence	47	33	o, b	0.39	Lugano ... DEC. 29	1 p.m.	—	—	Measured 7 a.m. 29
Trieste	48	39	r, c	0.35	Davos	—	—	Information	—
Brindisi	54	43	c, o	0.08	Lucerne	—	—	not arrived	—
Naples	55	44	r, o	0.28	Lausanne	—	—	—	—
Palermo	66	51	o, 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.

DEC. 31 ST , 1901.	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	8.6	11.56	3.46
Greenwich	8.8	12.3	3.58
Wick	9.5	12.15	3.25
Valencia	8.51	12.44	4.37

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† 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.	Force (0 to 12).	Weather.	Barometer.	Temperature.			Wind.	Force (0 to 12).	Weather.	Sea (0 to 9).	Weather.	Temp.			Sun-shine.	Rainfall.	
		At 32° and M.S.L.	Dry Bulb.	Dir.			At 32° and M.S.L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.					Dir.	Max.	Min.			
1	Coruna	Ins.	54	NE	4	b	Ins.	Ins.	42	5	-5	ENE	1	bc	4	b	57	43	Hours.	Ins.	
2	Coruna	30.36	52	NE	4	b	30.37	-0.04	42	5	-5	ENE	1	bc	4	b	57	43	0.04	0.04	
3	Coruna	30.36	52	NE	4	b	30.37	-0.04	42	5	-5	ENE	1	bc	4	b	57	43	0.04	0.04	
4	Coruna	30.15	53	NNE	3	bc	30.18	-0.09	49	46	+2	NNE	5	2	bc	57	47	0.04	0.04		
5	Belgoda	30.19	61	S	4	bc	30.17	+0.02	61	57	+3	SSE	3	2	bc	63	58	0.04	0.04		
6	Belgoda	30.25	60	NNE	4	bc	30.30	+0.05	58	54	-3	NNE	3	2	bc	63	57	0.04	0.04		
7	Coruna	30.07	52	NE	3	bc	30.06	+0.01	40	37	-3	NE	1	3	bc	55	50	0.04	0.04		
8	Belgoda	30.41	58	NE	4	bc	30.46	+0.05	58	53	-5	NE	3	2	bc	63	57	0.04	0.04		
9	Brussels	30.15	50	NE	3	b	30.22	+0.07	30	30	0	N	1	3	bc	50	20	0.04	0.04		
10	Coruna	30.57	60	ENE	2	b	30.19	+0.13	51	47	-4	NE	1	3	bc	52	40	0.04	0.04		
11	Brussels	30.57	60	ENE	2	b	30.56	+0.10	61	58	-3	SW	4	3	bc	63	57	0.04	0.04		
12	Belgoda	30.61	60	ENE	3	bc	30.60	+0.04	59	55	-4	NE	3	2	bc	63	57	0.04	0.04		
13	Brussels	30.61	60	ENE	3	bc	29.82	+0.79	50	50	0	SW	3	2	bc	60	50	0.04	0.04		
14	Brussels	30.61	60	ENE	3	bc	29.64	+0.18	43	40	-3	WSW	4	3	bc	57	42	0.04	0.04		
15	Brussels	30.61	60	ENE	3	bc	29.67	+0.03	47	43	-4	W	1	3	bc	55	43	0.04	0.04		
16	Brussels	30.61	60	ENE	3	bc	29.62	+0.05	44	40	-4	WSW	1	3	bc	55	43	0.04	0.04		
17	Belgoda	30.46	59	NE	3	bc	30.43	-0.06	61	57	-4	ESE	4	4	bc	63	57	0.04	0.04		
18	Brussels	30.46	59	NE	3	bc	29.55	+0.07	33	33	0	WSW	4	4	bc	41	32	0.04	0.04		
19	Valencia	29.74	50	ESE	2	bc	29.41	+0.33	40	37	-3	N	8	6	bc	45	34	0.04	0.04		
20	Stonoway	30.03	36	ESE	1	bc	30.02	+0.32	28	28	0	SSE	1	4	bc	43	32	0.04	0.04		
21	Stonoway	29.70	33	ENE	2	bc	29.80	+0.25	38	33	-5	NE	4	4	bc	43	32	0.04	0.04		
22	Valencia	29.54	41	N	7	bc	29.83	+0.14	37	35	-2	N	5	5	bc	43	32	0.04	0.04		
23	Monagadee	29.49	40	NE	6	bc	29.62	+0.17	41	36	-5	N	5	5	bc	43	32	0.04	0.04		
24	Liverpool	29.20	35	NE	6	bc	29.57	+0.06	41	38	-3	NNE	7	5	bc	42	32	0.04	0.04		
25	Liverpool	29.20	35	NE	6	bc	29.22	-0.25	38	36	-2	NNE	7	5	bc	42	32	0.04	0.04		
26	Liverpool	29.20	35	NE	6	bc	29.28	-0.14	42	36	-6	NNE	8	6	bc	42	32	0.04	0.04		
27	Liverpool	29.20	35	NE	6	bc	29.28	-0.14	42	36	-6	NNE	8	6	bc	42	32	0.04	0.04		
28	Liverpool	29.20	35	NE	6	bc	29.28	-0.14	42	36	-6	NNE	8	6	bc	42	32	0.04	0.04		
29	Liverpool	29.20	35	NE	6	bc	29.28	-0.14	42	36	-6	NNE	8	6	bc	42	32	0.04	0.04		
30	Liverpool	29.20	35	NE	6	bc	29.28	-0.14	42	36	-6	NNE	8	6	bc	42	32	0.04	0.04		
31	Liverpool	29.20	35	NE	6	bc	29.28	-0.14	42	36	-6	NNE	8	6	bc	42	32	0.04	0.04		
32	Liverpool	29.20	35	NE	6	bc	29.28	-0.14	42	36	-6	NNE	8	6	bc	42	32	0.04	0.04		
33	Liverpool	29.20	35	NE	6	bc	29.28	-0.14	42	36	-6	NNE	8	6	bc	42	32	0.04	0.04		
34	Liverpool	29.20	35	NE	6	bc	29.28	-0.14	42	36	-6	NNE	8	6	bc	42	32	0.04	0.04		
35	Liverpool	29.20	35	NE	6	bc	29.28	-0.14	42	36	-6	NNE	8	6	bc	42	32	0.04	0.04		
36	Liverpool	29.20	35	NE	6	bc	29.28	-0.14	42	36	-6	NNE	8	6	bc	42	32	0.04	0.04		
37	Liverpool	29.20	35	NE	6	bc	29.28	-0.14	42	36	-6	NNE	8	6	bc	42	32	0.04	0.04		
38	Liverpool	29.20	35	NE	6	bc	29.28	-0.14	42	36	-6	NNE	8	6	bc	42	32	0.04	0.04		
39	Liverpool	29.20	35	NE	6	bc	29.28	-0.14	42	36	-6	NNE	8	6	bc	42	32	0.04	0.04		
40	Liverpool	29.20	35	NE	6	bc	29.28	-0.14	42	36	-6	NNE	8	6	bc	42	32	0.04	0.04		
41	Liverpool	29.20	35	NE	6	bc	29.28	-0.14	42	36	-6	NNE	8	6	bc	42	32	0.04	0.04		
42	Liverpool	29.20	35	NE	6	bc	29.28	-0.14	42	36	-6	NNE	8	6	bc	42	32	0.04	0.04		
43	Liverpool	29.20	35	NE	6	bc	29.28	-0.14	42	36	-6	NNE	8	6	bc	42	32	0.04	0.04		
44	Liverpool	29.20	35	NE	6	bc	29.28	-0.14	42	36	-6	NNE	8	6	bc	42	32	0.04	0.04		
45	Liverpool	29.20	35	NE	6	bc	29.28	-0.14	42	36	-6	NNE	8	6	bc	42	32	0.04	0.04		
46	Liverpool	29.20	35	NE	6	bc	29.28	-0.14	42	36	-6	NNE	8	6	bc	42	32	0.04	0.04		
47	Liverpool	29.20	35	NE	6	bc	29.28	-0.14	42	36	-6	NNE	8	6	bc	42	32	0.04	0.04		
48	Liverpool	29.20	35	NE	6	bc	29.28	-0.14	42	36	-6	NNE	8	6	bc	42	32	0.04	0.04		
49	Liverpool	29.20	35	NE	6	bc	29.28	-0.14	42	36	-6	NNE	8	6	bc	42	32	0.04	0.04		
50	Liverpool	29.20	35	NE	6	bc	29.28	-0.14	42	36	-6	NNE	8	6	bc	42	32	0.04	0.04		
51	Liverpool	29.20	35	NE	6	bc	29.28	-0.14	42	36	-6	NNE	8	6	bc	42	32	0.04	0.04		
52	Liverpool	29.20	35	NE	6	bc	29.28	-0.14	42	36	-6	NNE	8	6	bc	42	32	0.04	0.04		
53	Liverpool	29.20	35	NE	6	bc	29.28	-0.14	42	36	-6	NNE	8	6	bc	42	32	0.04	0.04		
54	Liverpool	29.20	35	NE	6	bc	29.28	-0.14	42	36	-6	NNE	8	6	bc	42	32	0.04	0.04		
55	Liverpool	29.20	35	NE	6	bc	29.28	-0.14	42	36	-6	NNE	8	6	bc	42	32	0.04	0.04		
56	Liverpool	29.20	35	NE	6	bc	29.28	-0.14	42	36	-6	NNE	8	6	bc	42	32	0.04	0.04		
57	Liverpool	29.20	35	NE	6	bc	29.28	-0.14	42	36	-6	NNE	8	6	bc	42	32	0.04	0.04		
58	Liverpool	29.20	35	NE	6	bc	29.28	-0.14	42	36	-6	NNE	8	6	bc	42	32	0.04	0.04		
59	Liverpool	29.20	35	NE	6	bc	29.28	-0.14	42	36	-6	NNE	8	6	bc	42	32	0.04	0.04		
60	Liverpool	29.20	35	NE	6	bc	29.28	-0.14	42	36	-6	NNE	8	6	bc	42	32	0.04	0.04		

REPORTS FOR DECEMBER 1901.

2. CORRECTIONS.

DATE.	STATIONS.	YESTERDAY EVENING					THIS MORNING.										PAST 24 HOURS.			
		Barom.	Temp.	Wind.		Weather.	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9).	Weather.	Temp.		Sun-shine.	Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Dir.	Force (0 to 12).		At 32° Fabr. and M.S.L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Dir.	Force (0 to 12).				Max.	Min.		
1	Blacksoa	Ins.	-	-	-	-	Ins.	Ins.	-	-	-	-	-	-	-	-	46	-	Hours	Ins.
"	Berlin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42	-	-	-
"	Frankfurt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	-	-	-
"	Gris Nez	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41	-	-	-
"	Paris	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38	-	-	-
2	Shields	-	-	-	-	-	30.00	-04	48	-	-1	-	-	-	-	-	33	-	-	-
"	Marritz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32	-	-	-
"	Lyon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32	-	-	-
"	Perpignan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Blacksoa	-	-	-	-	-	30.25	00	-	-	-	-	-	-	-	-	-	-	-	-
"	Pembroke	-	-	-	-	-	30.29	-05	-	-	-	-	-	-	-	-	-	-	-	-
4	Stockholm	30.00	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Parsonstown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Belfort	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	no rain
"	Perpignan	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	Bath	30.34	-	-	-	-	30.18	-14	-	-	-	-	-	-	-	-	-	-	-	-
6	Rock's Pt.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	-	-	0.14
"	Pembroke	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35	-	-	-
"	Gris Nez	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41	-	-	-
"	Lorient	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	-	-	-
"	Lisbon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	-	-	-
7	Blacksoa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	Hornosand	-	-	-	-	-	28.90	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Stockholm	-	-	-	-	-	28.96	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Wibby	-	-	-	-	-	28.91	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Malin Head	-	-	-	-	-	-	-	37	-	-5	-	-	5	-	-	-	-	-	-
"	Sumburgh Hd.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Blacksoa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.50
"	Donaghadee	-	-	-	-	-	29.29	-17	-	-	-	-	-	-	-	-	-	-	-	no rain
"	Pembroke	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	London	29.61	49	W	6	b	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Cuxhaven	-	-	-	-	-	-	-	-	-	-	-	-	-	-	b, chl	-	-	-	-
"	Lyon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31	-	-	-
10	Donaghadee	-	-	-	-	-	-	-	37	36	-	-	-	-	-	-	-	-	-	-
"	Leith	-	-	-	-	-	29.38	-	-	-	-	-	-	-	-	-	-	-	-	-
"	London	-	-	-	-	-	-	-	-	-	-	-	-	-	-	bc, drs	-	-	-	-
"	Spurn Hd.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.23
"	Bath	-	-	-	-	-	29.84	-	-	-	-	-	-	-	-	-	-	-	-	-
11	Jersey	-	-	-	-	-	29.83	-	45	-	0	-	-	-	-	-	42	-	-	-
"	Wick	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37	-	-	-
12	Donaghadee	-	40	-	-	-	-	-	-	-	-	-	-	-	-	-	42	-	-	-
"	London	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.03
14	Karlstad	30.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Aberdeen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
"	Cuxhaven	29.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	Nairn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02
16	Blacksoa	-	-	-	-	-	-	-	-	-	-	NNE	6	-	-	-	-	-	-	-
"	Rock's Pt.	29.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Hungness	-	-	-	-	-	29.60	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Leith	-	-	-	-	-	-	-	31	-	-	-	-	-	-	-	-	-	-	-
"	Yarmouth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.03
17	Pembroke	-	42	-	5	bc	-	-	-	-	-	-	-	-	-	-	38	-	-	-
"	Spurn Hd.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	Nairn	-	-	WNW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	Yarmouth	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-
22	Blacksoa	-	-	-	-	-	-	-	-	-	-	E	-	-	-	-	-	-	-	-
"	Scilly	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37	-	-	0.07
"	Nairn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	Leith	-	-	-	-	-	29.42	-09	-	-	-	-	-	-	-	-	43	-	-	-
"	Scilly	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	-	-	-
24	Loughbegs'	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	-	-	-
"	Spurn Hd.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Shields	29.20	54	-	-	s	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	Christiansand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Hungness	-	-	-	-	-	28.86	-29	-	-	-	-	-	-	-	-	-	-	-	-
26	Leith	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.03
27	Aberdeen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.13
28	Scilly	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42	-	-	-
29	Spurn Hd.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.75
"	London	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49	-	-	-