

**METEOROLOGICAL OFFICE.**

---

**DAILY WEATHER REPORTS.**

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**1ST JANUARY TO 30TH JUNE, 1902.**

# DAILY WEATHER REPORT.

January to June 1902





# SUPPLEMENT TO THE DAILY WEATHER REPORT.

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

STATIONS.	PRESSURE AT 8 A.M. Means, 1871-1900.	TEMPERATURE OF AIR. 1871-1900.								RAINFALL.		BRIGHT SUNSHINE	
		Means of				Absolute Extremes.				Means for		Means, 1881-1900.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum.	Date.	Minimum.	Date.	Days with Rain.	Total Fall.	Average Duration.	Per cent possib.
JANUARY.	(Inches.)	°	°	°	°	°		°			(Inches.)	(Hours.)	
	Sumburgh Head.....	29.804	39.5	39.1	43.6	35.3	52	1898	19	1891	26	3.85	—
	Stornoway.....	29.709	39.3	38.4	43.1	34.2	65	1890	11	1881	25	4.87	14
	Malin Head.....	29.811	40.9	39.4	45.1	37.8	[65]*	[1898]	[23]*	[1894]	[22]*	[2.44]*	—
	Blackod Point.....	29.849	42.5	41.2	48.5	38.8	[69]*	[1894]	[25]*	[1893]	[23]*	[4.75]*	—
	Valencia.....	29.812	44.2	43.7	49.1	39.9	56	1876, 78	20	1894	24	6.10	22
	Roche's Point.....	29.929	43.0	41.7	47.5	39.2	57	1889	20	1894	20	5.14	—
	Parsonstown.....	29.912	38.5	37.5	45.2	33.9	57	1880, 98	6	1881, 94	20	2.91	52.0
	Donaghadee.....	29.872	40.0	39.1	44.5	36.0	58	1898	14	1881	20	2.80	—
	Liverpool.....	29.834	38.4	36.8	43.3	35.0	58	1898	9	1881	17	2.20	—
	Holyhead.....	29.915	41.6	40.2	45.3	38.4	55	1873	20	1894	19	3.23	—
	Pembroke.....	29.949	42.6	41.1	45.4	39.3	53	1899	19	1881, 94	20	3.71	54.1
	Scilly.....	29.972	46.3	44.6	48.8	42.5	57	1899	25	1894	21	3.50	—
	Jersey.....	30.026	42.0	40.4	46.0	38.3	57	1877, 99	12	1891	19	3.15	66.9
	Portland Bill†.....	[29.938]	[44.0]	[42.7]	[46.9]	[39.9]	—	—	—	[19]	[4.22]	—	—
	Dungeness.....	30.002	38.8	37.9	43.8	35.1	55	1878, 98	11	1893	17	1.87	—
	Wick.....	29.732	35.1	36.8	42.3	33.1	60	1898	— 4	1881	20	2.26	—
	Nairn.....	29.763	37.1	35.0	42.3	32.2	59	1887	5	1881, 1895	17	2.03	—
	Aberdeen.....	29.804	37.0	35.3	42.1	33.0	59	1898	4	1881	18	2.38	52.1
	Leith.....	29.837	38.4	37.0	44.1	33.6	58	1898	9	1881	15	1.75	—
	North Shields.....	29.885	38.1	36.8	43.0	33.8	58	1880, 98	6	1881	15	1.72	—
	Spurn Head.....	29.925	37.6	36.7	41.6	34.4	[55]*	[1898]	[13]*	[1881]	15	1.39	—
FEBRUARY.	Yarmouth.....	29.970	37.3	36.4	41.3	33.3	57	1899	10	1881	18	1.93	—
	Loughborough.....	29.971	36.1	35.1	42.8	32.1	[59]*	[1898]	[2]*	[1881]	17	2.04	—
	Oxford.....	30.001	36.9	35.8	42.9	33.5	55	1877, 99	7	1881	17	2.08	46.4
	LONDON.....	30.004	37.5	36.4	43.8	33.6	58	1876	9	1881	16	2.01	18.4†
	Sumburgh Head.....	29.759	38.6	37.2	42.2	34.4	51	1887, 91	17	1895	21	3.09	—
	Stornoway.....	29.760	39.0	38.0	43.8	34.2	55	1891	12	1892	21	3.84	62.8
	Malin Head.....	29.834	41.1	39.6	45.4	38.3	[59]*	[1891]	[20]*	[1895]	[17]*	[2.06]*	—
	Blackod Point.....	29.883	42.5	40.9	47.3	38.8	[68]*	[1891]	[23]*	[1895]	[20]*	[3.54]*	—
	Valencia.....	29.912	44.5	42.7	49.5	40.4	59	1891	22	1895	21	4.94	73.5
	Roche's Point.....	29.924	43.1	41.6	48.3	39.6	56	1877, 89, 96	25	1895, 1900	17	4.09	—
	Parsonstown.....	29.909	39.1	37.8	46.9	35.0	59	1891	6	1895	16	2.12	88.0
	Donaghadee.....	29.888	40.1	39.2	45.6	36.5	57	1897	16	1895	17	2.33	—
	Liverpool.....	29.838	38.6	37.0	44.5	35.7	62	1898	12	1895	15	1.71	—
	Holyhead.....	29.920	41.3	39.9	45.5	38.3	59	1891	17	1895	16	2.47	—
	Pembroke.....	29.944	42.0	40.8	45.5	39.2	53	1899	23	1895	17	2.68	77.6
	Scilly.....	29.958	46.0	44.3	49.0	42.5	57	1896, 99	27	1895	18	2.65	—
	Jersey.....	30.015	42.4	40.9	47.2	39.0	62	1891	18	1895	17	2.42	94.3
	Portland Bill†.....	[29.955]	[39.6]	[38.5]	[43.8]	[35.1]	—	—	—	[19]	[4.30]	—	—
	Dungeness.....	29.986	39.1	38.0	44.5	35.6	57	1897	11	1899	15	1.37	—
	Wick.....	29.787	37.7	36.4	43.0	32.8	59	1878	2	1895	17	2.06	—
	Nairn.....	29.806	38.0	35.0	43.6	32.1	64	1891	0 (Zero)	1895, 97	14	1.60	—
MARCH.	Aberdeen.....	29.845	38.9	35.1	43.2	33.2	64	1897	8	1895	17	2.30	75.2
	Leith.....	29.868	38.2	36.8	45.6	33.9	60	1882	12	1895	13	1.46	—
	North Shields.....	29.901	38.3	36.9	44.1	34.4	60	1898, 99	7	1895	14	1.50	—
	Spurn Head.....	29.932	38.2	37.3	42.5	35.5	[61]*	[1899]	[20]*	[1895]	13	1.35	—
	Yarmouth.....	29.962	38.0	37.0	42.5	34.1	58	1872, 98	15	1895	15	1.70	—
	Loughborough.....	29.967	36.6	35.5	45.4	33.0	[64]*	[1891]	[— 5]*	[1895]	13	1.75	—
	Oxford.....	29.991	37.4	36.3	45.2	34.9	64	1891	7	1895	14	1.80	68.1
	LONDON.....	29.994	38.3	37.0	45.8	34.7	66	1899	10	1895	14	1.69	32.8†
	Sumburgh Head.....	29.731	38.5	37.0	42.8	34.1	57	1893	18	1879	23	2.86	—
	Stornoway.....	29.767	39.2	38.2	45.0	34.2	58	1872	13	1881	23	3.48	103.9
	Malin Head.....	29.834	41.1	39.5	46.4	38.5	[62]*	[1894]	[26]*	[1886]	[19]*	[2.00]*	—
	Blackod Point.....	29.880	43.3	41.4	48.4	39.1	[64]*	[1894, 99]	[26]*	[1891, 1900]	[23]*	[3.47]*	—
	Valencia.....	29.927	44.8	42.7	50.9	40.1	66	1899	26	1899	20	3.92	132.3
	Roche's Point.....	29.930	43.4	41.5	49.7	39.6	61	1899	27	1899	14	3.26	—
	Parsonstown.....	29.920	39.9	38.5	49.8	34.5	66	1894	18	1891	16	2.23	110.8
	Donaghadee.....	29.876	40.8	39.6	47.5	37.0	65	1874	18	1892	18	1.96	—
	Liverpool.....	29.904	40.3	38.2	47.1	36.8	66	1871	21	1895	15	1.67	—
	Holyhead.....	29.901	42.1	40.5	47.3	38.8	67	1894	27	1891	16	2.22	—
	Pembroke.....	29.926	42.2	40.6	46.6	39.1	58	1872, 99	26	1888	17	2.21	135.2
	Scilly.....	29.942	46.1	44.2	49.7	42.5	59	1893	30	1883, 90, 91	18	2.26	—
	Jersey.....	29.983	41.2	42.1	49.8	40.0	66	1871, 93, 94	21	1899	16	2.26	154.0
	Portland Bill†.....	[29.905]	[39.2]	[37.5]	[45.4]	[34.4]	—	—	—	[12]	[1.03]	—	—
	Dungeness.....	29.927	40.8	39.3	46.7	36.0	59	1894, 96	13	1899	14	1.88	—
	Wick.....	29.770	39.0	37.4	45.0	33.9	62	1894	10	1900	20	2.05	—
	Nairn.....	29.795	38.1	36.3	46.1	33.3	65	1884	6	1892	17	1.72	—
	Aberdeen.....	29.813	38.8	36.5	45.8	34.3	66	1889, 91, 92	10	1889	19	2.28	121.0
	Leith.....	29.840	39.4	37.0	48.0	34.5	68	1884	19	1879, 81, 89	15	1.42	—
	North Shields.....	29.863	39.3	37.7	46.3	34.8	64	1884, 93	15	1889	15	1.74	—
	Spurn Head.....	29.880	39.8	38.5	45.0	36.5	[62]*	[1890, 93]	[24]*	[1886]	14	1.21	—
	Yarmouth.....	29.904	40.2	38.0	45.3	35.3	62	1894, 99	18	1893	15	1.72	—
	Loughborough.....	29.922	38.4	36.8	45.7	33.8	[60]*	[1884, 93]	[15]*	[1883]	15	1.52	—
	Oxford.....	29.944	38.8	37.3	49.3	34.6	67	1884, 93	15	1891	13	1.47	116.8
	LONDON.....	29.942	40.1	38.1	50.1	35.3	71	1871	15	1899	13	1.49	68.0†

\* These values are from observations made during the following periods:—Spurn Head and Loughborough, 20 years, 1881-1900; Malin Head and Blackod Point (Belmullet), 15 years, 1889-1900.  
† The Sunshine values are for Westminster.  
‡ The values for Portland Bill are for one year only—1900.



# DAILY WEATHER REPORT

for 8 a.m. on Saturday 1<sup>st</sup> March

1902

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.
SCANDINAVIA.	Haparanda ...	29.93	21	Z	0	c	29.95	+0.2	22	22	+1	SW	2	0	*	c	30	18	*	—	
	Hernösand ...	29.86	28	Z	0	s	29.91	+0.6	26	25	-1	Z	0	0	*	s	30	25	*	0.04	
	Stockholm ...	29.88	33	Z	0	f	?	?	34	34	+1	Z	0	f	*	f	36	30	*	0.12	
	Wisby ...	29.87	35	S	2	f	29.84	+1.0	35	34	0	S	2	f	*	f	39	28	*	—	
	Karlstad ...	29.69	33	SE	2	o	29.72	+0.1	35	35	+6	S	2	*	*	s, o, t	*	*	*	0.43	
	Færder (X'ania Fjord)	29.66	30	N	4	s	29.74	+1.0	29	28	+2	N	4	0	2	s	30	27	*	0.24	
	Bodö ...	29.89	28	E	2	b	29.91	+1.2	26	24	-2	E	2	0	1	b	30	23	*	—	
	Christiansund ...	29.68	31	ESE	2	b	29.75	+1.1	26	24	-6	ESE	2	0	3	b	36	25	*	—	
	Skudesnaes ...	29.65	34	Z	0	bc	29.71	+1.3	35	35	+3	Z	0	0	1	bc	36	32	*	*	
	Sumburgh Head	29.55	37	E	1	c	29.58	+0.4	37	35	+1	E	3	0	6	c	41	35	*	—	
BRITISH ISLANDS.	Stornoway ...	29.37	40	ESE	5	o	29.43	+1.1	41	40	+3	SE	5	0	5	bc, o	44	37	7.0	0.07	
	Malin Head ...	29.21	47	S	5	cp	29.34	+2.2	43	42	+2	SSW	5	cp	4	c, cp	48	40	*	0.06	
	Blacksod Pt. ...	29.00	48	S	5	bc	29.28	+2.6	46	45	-1	SSW	4	c	4	c, bc	51	43	*	0.05	
	Valencia ...	29.21	48	SSE	4	cp	29.35	+2.3	46	45	-2	SE	2	0	4	cp, cp	50	45	0.1	0.48	
	Roche's Point ...	29.33	47	SSW	5	bc	29.42	+1.8	47	45	0	S	5	bc	4	b, bc	50	45	*	—	
	Parsonstown ...	29.26	47	S	4	o	29.39	+2.2	44	43	+1	SE	2	0	*	o	54	42	7.1	—	
	Donaghadee ...	29.30	48	SW	2	b	29.47	+3.3	45	44	+2	SSW	3	c	3	b	51	41	*	0.01	
	Liverpool Obsy.	29.44	49	SSW	1	bc	29.55	+2.4	39	38	-4	SE	2	bc	?	m, bc	53	39	*	—	
	Holyhead ...	29.39	46	SSW	3	cm	29.51	+2.4	44	43	-2	S	3	cm	2	bc, cm	49	43	*	—	
	Pembroke (St. Ann's)	29.41	46	SW	4	bc	29.50	+2.1	44	43	-3	SE	4	cgp	4	bc	48	43	7.6	0.01	
GERMANY, &c.	Scilly (St. Mary's)...	29.42	49	SSW	4	bc	29.48	+1.6	49	47	+1	S	4	bcw	4	bc	56	46	9.4	0.01	
	Jersey (St. Aubins)...	29.55	47	SSE	3	cp, g	29.58	+0.4	44	42	-3	NE	2	cg	2	bc, cp, g	52	40	6.3	0.05	
	Portland Bill ...	29.53	44	SE	2	bc	29.59	+1.4	42	42	-3	ENE	2	bc	2	b, bc	50	42	*	—	
	Dungeness ...	29.57	49	SSW	1	bc	29.61	+1.0	43	42	-2	E	2	c	1	b, bc	50	39	*	—	
	Wick ...	29.42	39	ESE	8	o	29.50	+0.9	40	39	+2	S	2	of	3	o, b	41	35	*	0.05	
	Nairn ...	29.40	39	E	1	o	29.48	+1.2	33	32	-2	Z	0	c	1	o	40	28	*	0.04	
	Aberdeen ...	29.46	37	E	4	org, g	29.54	+1.4	37	37	0	SW	1	f	4	org, g	40	34	0.0	0.13	
	Leith ...	29.36	38	ENE	1	b	29.52	+2.2	42	41	+4	ENE	1	o	*	b	42	34	*	0.33	
	North Shields ...	29.43	45	E	1	m	29.57	+2.4	35	35	-5	Z	0	f	2	r, cm	51	35	*	0.06	
	Spurn Head ...	29.48	49	S	4	bc	29.62	+2.6	36	36	-5	S	1	f	2	bc	53	35	*	—	
FRANCE.	Yarmouth ...	29.53	46	S	3	c	29.60	+1.6	38	37	-7	Z	0	bc, f	4	bc, c	50	36	*	—	
	Loughborough ...	29.50	47	SE	1	bc	29.61	+2.2	42	41	-2	SE	1	om	*	c, bc, om	55	41	*	—	
	Oxford ...	29.56	45	S	1	b	29.62	+1.8	38	37	-8	S	1	o	*	b	54	37	*	—	
	London (Brixton)	29.56	48	S	3	b	29.60	+1.2	40	40	-7	Z	0	f	*	c, b, wf	54	38	1.3	0.01	
	The Scaw (Skagen)	29.66	34	SW	2	+	29.72	+2.0	34	34	+1	SW	1	f	0	+	37	32	*	0.12	
	Fanö ...	29.69	36	S	2	o	29.73	+2.1	33	33	-2	Z	0	f	*	o	37	34	*	—	
	Cuxhaven ...	29.70	45	SSW	2	o	29.70	+1.1	35	34	-4	E	2	bc	*	o	46	34	*	—	
	The Helder ...	29.61	43	SW	1	o	29.64	+1.1	40	39	-3	Z	0	m	0	o	46	36	*	—	
	Brussels ...	*	*	*	*	*	29.62	-0.2	39	39	-6	NE	1	o	*	b	52	38	*	—	
	Berlin ...	29.80	43	S	1	b	29.67	-0.9	37	36	+1	E	2	o	*	b	50	34	*	—	
SPAN. PEN.	Frankfurt ...	29.66	45	Z	0	b	29.61	-1.6	42	41	+2	Z	0	+	*	b	55	40	*	0.35	
	Munich ...	29.65	24	E	3	o	29.65	-1.9	35	35	+2	E	2	b	*	o	50	24	*	—	
	C. Gris Nez ...	29.63	46	SW	1	bc	29.62	+1.0	42	42	-3	SE	1	bc	1	bc	50	41	*	—	
	Brest ...	29.47	49	SSW	2	bc	29.51	+0.4	45	43	-5	SE	2	b	3	bc	50	45	*	—	
	Lorient ...	29.51	48	ESE	1	bc	29.52	-0.2	42	42	-5	E	3	b	4	bc	54	41	*	—	
	Rochefort ...	29.51	53	ENE	3	bc	29.51	-1.2	45	44	-2	SE	3	o	*	bc	61	41	*	—	
	Biarritz ...	29.50	59	S	2	c	29.54	-0.5	54	47	+1	S	5	o	3	c	64	48	*	0.24	
	Paris ...	29.61	51	E	2	c	29.59	-0.8	42	41	+1	NNE	1	c	*	c	58	41	*	—	
	Belfort ...	29.58	44	NE	4	m	29.51	-2.3	40	40	+2	ENE	2	o	*	m	48	38	*	0.47	
	Lyons ...	29.60	43	N	1	+	29.59	-2.7	46	46	+7	S	2	+	*	+	46	39	*	1.18	
Nice ...	29.69	51	E	6	+	29.76	-0.5	49	49	+2	Z	0	+	4	+	54	47	*	0.75		
Perpignan ...	29.50	55	NE	2	b	29.57	-0.7	40	40	-11	NE	2	c	*	b	60	39	*	—		
SPAN. PEN.	Corunna ...																				
	Lisbon ...	29.63	53	SW	6	o	29.82	+3.8	50	?	0	WSW	5	+	*	o	55	50	*	0.28	
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, 1<sup>st</sup> MARCH, 1902

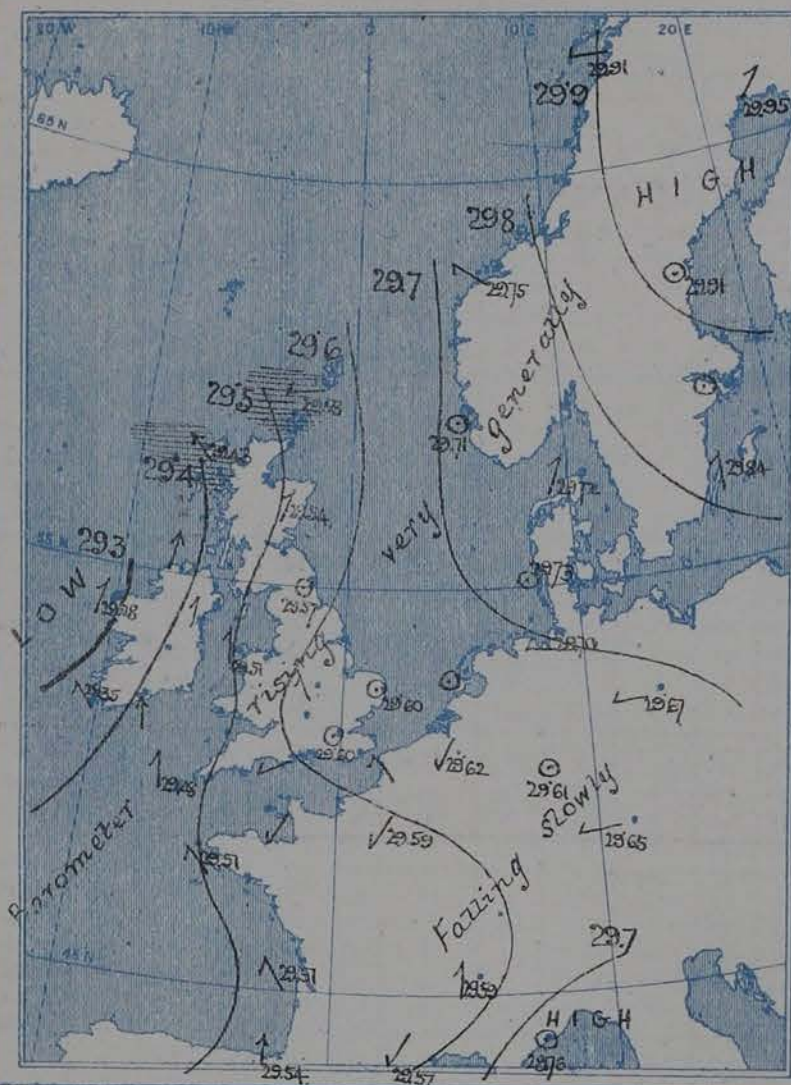
## I. BAROMETER, WIND AND SEA. This Morning.

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

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

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

SEA.—Rough : High :

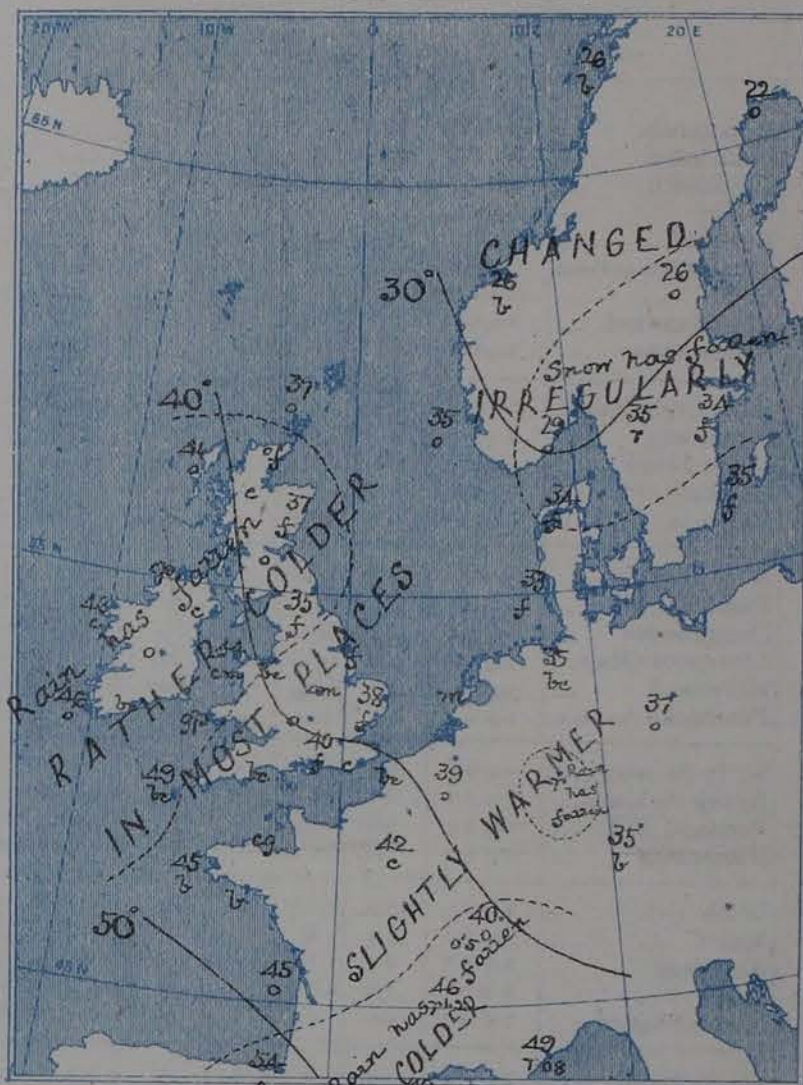


## II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

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

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.8



## III. BAROMETER AND WIND

Yesterday morning.



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

Specimen { Highest Max, 64  
(for Shields) { Lowest Min, 15  
Malin Head & Blacksod: Belmullet Values are for only 15 Yrs.



## V. Means of DAILY TEMPERATURE

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Barometrical pressure is highest, 29.9 in. and upwards, over the northern parts of Scandinavia and lowest, 29.3 in. and less, in a cyclonic area off the west of Ireland. The latter system, however, continues to disperse or to pass away over the Atlantic and the barometer is at present rising in most parts of North-western Europe. In Germany and the South of France a slight fall is reported.

## WIND

## TEMPERATURE

## WEATHER

## AND

## SEA

The wind is light to fresh from the Southward or South-eastward on the west coasts of our islands and France, but light from the Eastward or North-eastward over the English Channel as well as in Belgium and Germany. On our east coasts and in Denmark, Sweden and the south of Norway calms or variable airs are reported, but in the west of Norway the wind is E. Temperature has fallen a little over England, the Netherlands and the north and west of France, but has changed rather irregularly elsewhere. In the west and extreme south of our islands the thermometer is still rather high for the time of year, but at many of our northern and eastern stations it is rather below the normal, the lowest readings reported being 33° at Nairn and 35° at Shields. Frost prevails only in Scandinavia and is not severe, the lowest reading reported in that country being 22° at Haparanda. The weather is fair over the greater part of the United Kingdom, but showers are falling at one or two of our western stations; fog is very general on the east coasts of Great Britain and also in Denmark and the south of Sweden. In France and Germany the weather is mostly cloudy, with rain at Frankfurt and Lyons. The sea is moderate or slight generally, but rough off the Shetlands and Hebrides.

During yesterday the thermometer rose to 50° and upwards at most of the English and Irish stations, to 55° at Loughborough and to 56° at Selly. The amount of bright sunshine was in most places considerable, more than 7 hours being registered at several stations and as much as 9.4 hr. at Selly. Rain fell in several parts of the United Kingdom and France and snow in the south of Scandinavia; lightning was seen last night at Wick.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no signs of any important change, but with the existing distribution of pressure it appears probable that a new cyclonic system will shortly appear off our south-west coasts and occasion freshening S. E. winds and rain in that region.

## FORECASTS \*

For the 24 hours ending at NOON on 2<sup>nd</sup> March, 1902

### DISTRICTS.

### FORECASTS.

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

S. and SE. winds, light; fair generally, but foggy or misty in places.

Light breezes, chiefly E.; fair generally, but foggy in places. Frost inland at night.

### DISTRICTS.

### FORECASTS.

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

Same as Nos. 0 to 2.

S. and SE. winds, freshening; fair at first, some rain later.

S. to SE. winds, moderate or fresh; fair generally.

Same as No. 8.

### WARNINGS

None issued.

Note—The South Cone, point downwards (  $\nabla$  ), 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 (  $\nabla$  ), 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	"	"	"	"	"	"	"	"	"	"	air	"	b	46	37	6.2	—
Newton Reigny (Penrith)	29.42	45	ENE 2	c	29.56	+ .28	37	36	-1	Z 0	o	•	o, c, b, o	51	33	5.0	0.25
Bath	29.60	45	NE 1	o	29.61	+ .18	39	39	-12	E 3	o	•	o	54	38	0.0	0.03

## 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	36	om	3.5	0.05	Worthing	*	*	*	7.4	*
Birmingham, 9 p.m.	54	41	b	3.3	0.04	Llandudno	*	*	*	6.0	*
Lowestoft, 6 p.m.	50	39	c	2.8	—	Rhyl	*	*	*	6.1	*
Hastings	*	*	*	6.3	*	Southport, 9 p.m.	54	40	op, b, c	7.2	0.05
Eastbourne	*	*	*	6.4	*	Manchester, 9 p.m.	54	42	b	3.5	0.03
Brighton	*	*	*	6.5	*	Darwen, 9 p.m.	52	38	bc	3.0	0.13

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

STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal)	66	52	c c	—	Algiers	73	50	c o	—
Madrid	54	39	bc o	—	Tunis	70	45	c bc	—
Corsica (I. Sanguinaires)	57	45	f f	0.08	Vienna	43	30	o m	—
Rome	59	52	o o	—	St. Petersburg	28	9	bc o	—
Florence	56	49	o o	0.28	27 Feb: -/02				Measured 7 a.m.
Trieste	55	45	r r	0.35	Lugano	43	—	r	—
Brindisi	57	47	bc c	—	Davos	39	—	o	—
Naples	60	51	bc o	—	Lucerne	37	—	r	0.04
Palermo	66	45	m m	—	Lausanne	39	—	r	0.04

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

1. March 1902	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	6.42	12.6	5.29
Greenwich	6.49	12.13	5.37
Wick	7.11	12.25	5.39
Valencia	7.31	12.54	6.17

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

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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 Sunday 2<sup>nd</sup> March 1902  
 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.	Wet Bulb.	Force (0 to 12.)		Weather.	At 32° Fabr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)			Weather.	Max.			Min.														
																						Ins.	Ins.	°	°	°	°	°	°	°	°	°	°	°	°
																				Ins.	Ins.	°	°	°	°	°	°	°	°	°	°	°	°	°	°
SCANDINAVIA.	Haparanda ...	30.00	22	S	2	S	30.05	+10	11	10	-11	SW	2	f	*	S	28	11	*	0.04															
	Hernösand ...	29.96	23	Z	0	O	30.04	+13	17	15	-9	Z	0	o	*	o	30	?	*	—															
	Stockholm ...	29.91	34	Z	0	f	29.86	?	33	33	-1	Z	0	f	*	f	37	32	*	—															
	Wisby ...	29.87	34	S	2	O	29.81	-03	33	32	-2	NE	2	f	*	o	41	28	*	—															
	Karlstad... ..	29.85	34	Z	0	f	29.91	+19	33	32	-2	N	2	c	*	f	*	*	*	0.04															
	Færder (X'ania Fjord)	29.85	31	N	2	O	29.91	+17	26	24	-3	NNW	2	c	1	o	31	26	*	—															
	Bodö ...	29.97	29	E	2	b	30.03	+12	28	25	+2	E	2	b	1	o	32	25	*	—															
	Christiansund ...	29.86	30	ESE	1	b	29.93	+18	27	24	+1	ESE	2	b	3	b	34	25	*	—															
	Skudesnaes ...	29.82	35	E	2	O	29.88	+17	37	36	+2	SSE	4	+	3	o	37	?	*	—															
	Sumburgh Head	29.68	41	ESE	3	r	29.71	+13	41	40	+4	E	1	m	5	o, r	43	37	*	0.01															
Stornoway ...	29.49	46	SE	3	c	29.58	+15	43	43	+2	Z	0	m	0	o, c	46	40	0.0	0.15																
Malin Head ...	29.41	46	S	5	cpq	29.63	+29	45	44	+2	SW	5	cp	4	r, cpq	49	43	*	0.11																
Blacksod Pt. ...	29.44	48	W	3	cpm	29.72	+44	41	40	-5	W	1	bm	2	cpm	49	40	*	0.11																
Valencia... ..	29.53	49	SSW	2	c	29.80	+45	37	36	-9	E	1	b	3	o, c	53	35	4.4	0.01																
BRITISH ISLANDS.	Roche's Point ...	29.51	47	SSW	3	b	29.81	+39	42	40	-5	NW	1	b	3	b	50	46	*	—															
	Parsonstown ...	29.51	47	S	2	c	29.77	+38	40	40	-4	S	1	o	*	cp	52	39	1.6	0.06															
	Donaghadee ...	29.52	46	SW	2	bc	29.71	+24	42	42	-3	SW	2	c	2	bc	47	40	*	—															
	Liverpool Obsy.	29.66	46	SE	1	o	29.80	+25	42	41	+3	SSE	1	bc	2	or	53	40	*	0.23															
	Holyhead ...	29.59	46	S	2	cpdm	29.76	+25	45	44	+1	SW	1	om	1	r, cpdm	47	43	*	0.06															
	Pembroke (St. Ann's)	29.62	45	SE	4	c	29.76	+26	46	45	+2	SW	2	og	3	c	47	42	0.5	0.10															
	Scilly (St. Mary's)...	29.59	49	SE	2	b	29.79	+31	47	46	-2	WSW	2	befw	3	b	56	46	4.3	—															
	Jersey (St. Aubins)...	29.66	52	Z	0	bm	29.87	+29	42	41	-2	SSW	1	f	1	b, bm	57	38	8.5	—															
	Portland Bill ...	29.66	44	E	2	b	29.84	+25	44	44	+2	SSE	1	c	1	b	51	42	*	0.25															
	Dungeness ...	29.69	44	NE	2	c	29.87	+26	43	43	0	S	1	cu	1	c	45	41	*	—															
Wick ...	29.59	42	Z	0	c	29.62	+12	40	40	0	SE	1	c	2	c	46	38	*	—																
Nairn ...	29.56	43	Z	0	bc	29.62	+14	43	41	+10	Z	0	bc	0	bc	50	30	*	—																
Aberdeen ...	29.62	41	S	1	bc	29.71	+17	42	41	+5	SSW	2	c	2	bc	48	35	3.2	—																
Leith ...	29.59	44	SSE	1	b	29.69	+17	44	42	+2	SE	1	c	*	b	54	41	*	—																
North Shields ...	29.64	44	S	3	m	29.76	+19	42	41	+7	SSW	2	r	2	c, m	54	34	*	0.02																
Spurn Head ...	29.69	38	SE	3	f	29.81	+19	39	38	+3	SSE	2	m	2	f	42	34	*	—																
Yarmouth ...	29.67	42	ENE	1	bc	29.84	+24	41	40	+3	SSW	2	bc	2	bc	44	36	*	—																
Loughborough ...	29.67	48	SE	1	b	29.82	+21	42	41	0	ESE	2	ogm	*	c, bc, bo	55	37	*	0.01																
Oxford ...	29.72	44	Z	0	c	29.86	+24	42	41	+4	SSE	1	tf	*	cp, fm	49	36	*	0.17																
London (Brixton)	29.70	48	SE	1	of	29.89	+29	41	41	+1	SE	1	ogm	*	om, ofg	53	37	0.0	—																
GERMANY, &c.	The Scaw (Skagen)	29.84	30	NE	1	f	29.89	+17	30	29	-4	NE	1	f	0	f	36	28	*	—															
	Fanö ...	29.82	35	E	1	o	29.88	+15	33	33	0	Z	0	m	*	o	43	32	*	—															
	Cuxhaven ...	29.73	38	N	2	bc	29.88	+18	35	35	0	Z	0	f	*	bc	39	34	*	—															
	The Helder ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	—														
	Brussels... ..	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	—														
	Berlin ...	29.65	36	NW	2	o	29.75	+08	37	36	0	NW	2	o	*	o	37	?	*	0.20															
	Frankfurt ...	29.68	44	NNE	1	o	29.85	+24	43	41	+1	NW	1	o	*	o	45	43	*	0.12															
Munich ...	29.71	43	Z	0	o	29.86	+21	40	39	+5	SW	3	c	*	o	52	32	*	0.04																
FRANCE.	C. Gris Nez ...	29.70	44	SE	1	m	29.84	+22	45	45	+3	S	1	bc	1	m	54	42	*	—															
	Brest ...	29.66	48	WNW	1	o	29.87	+33	46	46	+1	SW	2	o	3	o	57	45	*	—															
	Lorient ...	29.69	47	S	1	bc	29.86	+34	45	45	+3	N	1	m	2	bc	55	41	*	—															
	Rochefort ...	29.65	50	NW	2	o	29.89	+38	45	45	0	Z	0	m	*	o	55	43	*	0.04															
	Biarritz ...	29.74	57	SSW	5	o	29.98	+44	49	47	-5	SW	4	r	3	o	59	48	*	0.47															
	Paris ...	29.69	48	NNW	2	b	29.92	+33	32	32	-10	S	1	o	*	b	56	32	*	—															
	Belfort ...	29.69	41	SW	6	r	29.92	+41	41	40	+1	WSW	3	o	*	r	50	40	*	0.20															
Lyons ...	29.78	45	ENE	1	o	30.00	+41	43	42	-3	WSW	1	r	*	o	53	43	*	0.28																
Nice ...	29.84	50	SSW	5	c	29.92	+16	47	42	-2	Z	0	b	3	c	57	43	*	0.08																
Perpignan ...	29.73	54	E	1	b	29.95	+38	45	43	+5	SW	1	bc	*	b	64	39	*	0.39																
SPAN. PEN.	Corunna ...	30.01	57	WSW	4	b	30.11	+29	50	47	0	N	1	b	*	b	57	46	*	0.24															
	Azores (P. Delgada)	29.93	59	S	5	o	29.65	-39	60	57	+8	WSW	6	o	6	o	61	57	*	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. n (n) + Observations received too late for insertion in Charts on next page



# WEATHER CHARTS

FOR Sunday, 2<sup>nd</sup> March, 1902

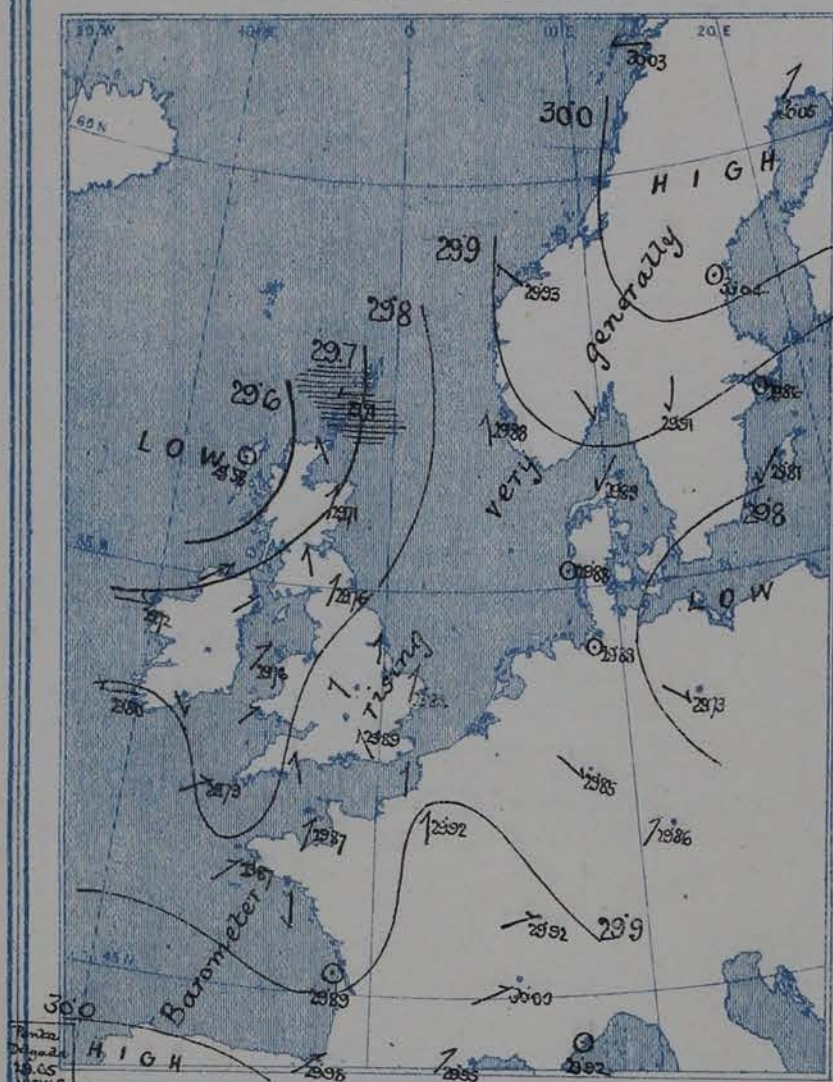
## I. BAROMETER, WIND AND SEA. This Morning.

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

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

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

SEA.—Rough : High :



## II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

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

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



## III. BAROMETER AND WIND

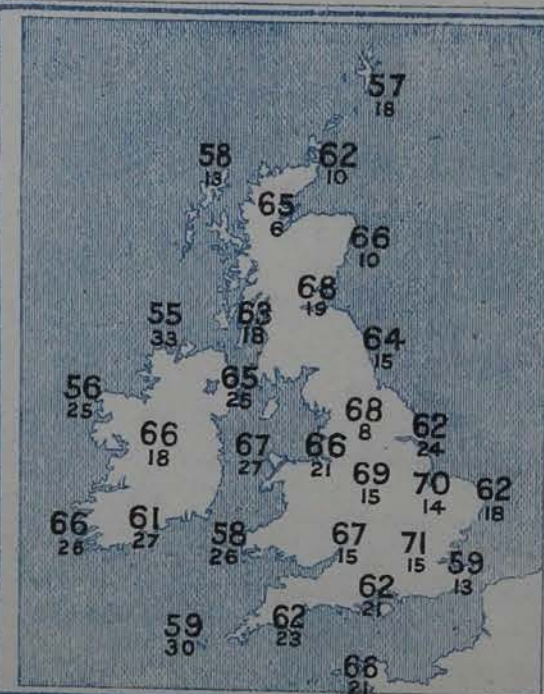
Yesterday morning.



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

Specimen { Highest Max, 64  
(for Shields) { Lowest Min, 15

Malin Head & Blackscot & Brimullet Values are for only 15 Yrs.



## V. Means of DAILY TEMPERATURE

at 8 A.M. for the two monthly period

FEBRUARY-MARCH (1871-1900.)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The barometer is now highest, 30.1 ins., in the south of Spain, but is as high as 30.0 ins. and upwards over the northern half of Scandinavia. The lowest readings are still found in the disturbance which has been moving northwards outside our western coasts. It now lies to the westward of the Hebrides where the barometer is below 29.6 ins. An area of relatively low pressure, 29.80 ins. and less, is also shown over North Germany. Pressure is increasing very generally and the gradients are slight.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is very light throughout our area. It is mainly between S. and S.W. over France and the United Kingdom, and N<sup>W</sup> or E<sup>W</sup> in Scandinavia, while in most parts of Germany it is NW<sup>W</sup>. Temperature is a little above the average over our Islands as a whole, but rather below it on the west coast of Ireland. The readings range from 47° at Scilly to 40° at Wick, 39° at Spurn Hd., and 37° at Valencia. The continental readings range from 50° at Lisbon and 49° at Biarritz, to 32° at Paris, and from 43° at Berlin to 17° at Hernsand, and to 11° at Haparanda. The weather is cloudy or dull over our area generally, but fine at several of our own stations as well as in some continental localities. Rain is falling at Skudeaanals and Karlsbad, Lyons and Biarritz, and also at Oxford, and passing showers at Malin Head. Fog prevails over the southeast of Sweden and in the western half of the English Channel. The sea is still rough off the Shetlands, smooth on most other parts of our coasts.

Rain has fallen in Germany, at many French stations and in the west and south of the British Isles; small amounts have also been experienced at Shields, and over central England. Temperature rose during yesterday to a maximum of 56° at Scilly, 55° at Loughborough, and 54° at Leith and Shields. Not much sunshine was recorded over the Kingdom as a whole, but Jersey had as much as 8.5 hours.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

## FORECASTS \*

For the 24 hours ending at NOON on 3<sup>rd</sup> March, 1902

### DISTRICTS.

### FORECASTS.

### DISTRICTS.

### FORECASTS.

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

NONE ISSUED

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

NONE ISSUED

### WARNINGS

NONE ISSUED

Note.—The South Cone, point downwards (  $\nabla$  ), 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 (  $\nabla$  ), 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	*	*	*	*	*	*	*	*	*	*	bc	*	b	47	39	5.0	-
Newton Reigny (Penrith)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Bath	29.64	?	E. 1	o	29.80	+0.24	44	43	+5	N.E. 1	o	*	c	53	39	2.4	0.23

## 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	33	m	0.0	-	Worthing	*	*	*	2.8	*
Birmingham, 9 p.m.	50	40	o, c	1.1	-	Llandudno	*	*	*	2.4	*
Lowestoft, 6 p.m.	*	*	*	*	*	Rhyl	*	*	*	*	*
Hastings	*	*	*	*	*	Southport, 9 p.m.	54	39	c, o, d	3.7	0.04
Eastbourne	*	*	*	*	*	Manchester, 9 p.m.	55	40	o, c	2.5	-
Brighton	*	*	*	*	*	Darwen, 9 p.m.	50	38	bc, o	2.8	-

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

STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal)	64	48	c	b	Algiers	72	57	o	c
Madrid	55	37	r	r	Tunis	77	54	c	bc
Corsica (I. Sanguinaires)	54	46	f	f	Vienna	41	39	o	o
Rome	64	56	c	bc	St. Petersburg	27	14	o	o
Florence	56	51	r	o	28 Feb -/02				
Trieste	57	48	r	o	Lugano	45	—	r	Measured 7 a.m.
Brindisi	63	50	c	c	Davos	43	—	o	0.55
Naples	62	52	c	o	Lucerne	39	—	o	0.43
Palermo	79	69	m	b	Lausanne	41	—	o	0.99

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

2. Mar 1902	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	h. m. 6.40	h. m. 12.5	h. m. 5.30
Greenwich	6.46	12.12	5.38
Wick	7.8	12.24	5.41
Valencia	7.28	12.53	6.18

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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 Monday 3<sup>rd</sup> March

1902

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

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		Barom.	Temp.	Wind.			Barometer.		Temperature.			Wind.					Temp.				
At 32° and M.S.L.	Dry Bulb.	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 ...	30.18	17	N	2	o	30.27	+22	17	17	+6	N	2	o	*	o	28	10	*	—	
	Hernösand ...	30.12	19	Z	0	c	30.19	+15	23	22	+6	NE	2	o	*	c	24	16	*	—	
	Stockholm ...	30.02	28	N	2	o	30.04	+18	26	?	-7	NNW	2	o	*	o	34	26	*	0.04	
	Wisby ...	29.88	30	NE	6	o	30.01	+20	32	32	-1	N	6	f	*	o	39	27	*	—	
	Karlstad... ..	30.08	30	NE	2	o	30.13	+22	27	26	-6	NE	2	o	*	o	*	*	*	—	
	Færder (X'ania Fjord)	30.05	30	NW	1	+	30.17	+26	28	27	+2	NNE	2	o	1	b	32	26	*	—	
	Bodö ...	30.13	31	E	2	b	30.16	+13	30	28	+2	E	2	b	1	b	36	25	*	—	
	Christiansund ...	29.99	30	ESE	2	b	30.01	+08	31	28	+4	ESE	2	b	3	b	34	25	*	—	
BRITISH ISLANDS.	Skudesnaes ...	29.98	37	S	4	o	30.01	+13	37	36	0	SSE	6	o	4	o	37	36	*	*	
	Sumburgh Head ...	29.73	41	SE	2	m	29.74	+03	40	39	-1	SE	1	o	5	m	42	39	*	0.02	
	Stornoway ...	29.66	45	WSW	2	+	29.59	+01	45	43	+2	SSW	5	o	5	ad, +	48	40	0.2	0.03	
	Malin Head ...	29.77	46	SW	2	c	29.53	-10	46	44	+1	SSW	7	o	5	b, c	48	42	*	0.02	
	Blacksod Pt. ...	29.77	47	SSW	4	cm	29.54	-18	48	47	+7	SSW	8	o	6	cm	51	39	*	0.48	
	Valencia... ..	29.85	49	SSE	2	o	29.72	-08	49	48	+12	SSE	6	o	6	cm, o	53	36	5.3	0.05	
	Roche's Point ...	29.88	47	SSW	2	bc	29.81	00	47	45	+5	SW	4	c	4	b, bc	50	42	*	—	
	Parsonstown ...	29.84	48	S	1	c	29.74	-03	47	45	+7	S	5	o	*	c	52	40	1.6	—	
GERMANY, &c.	Donaghadee ...	29.82	49	WSW	1	b	29.77	+06	45	44	+3	SSW	3	c	3	b, g	51	40	*	—	
	Liverpool Obsy. ...	29.90	44	WSW	1	bc	29.93	+13	41	40	-1	S	1	c	2	bc	51	38	*	—	
	Holyhead ...	29.88	47	SW	1	c	29.88	+12	45	44	0	SSW	3	o	2	bc, c	50	42	*	—	
	Pembroke (St. Ann's)	29.90	46	SW	1	o	29.91	+15	45	44	-1	S	5	cgu	4	o	47	44	0.1	—	
	Scilly (St. Mary's)... ..	29.91	50	W	2	b	29.94	+15	49	47	+2	SSW	4	cw	2	b	54	46	7.3	—	
	Jersey (St. Aubins)... ..	29.98	48	NE	1	bc, m	30.10	+23	45	44	+3	SSW	1	o	1	o, bc, m	52	41	3.0	—	
	Portland Bill ...	29.95	46	SSW	2	of	30.04	+20	44	44	0	SSE	1	c	1	bc, of	51	42	*	—	
	Dungeness ...	29.95	45	SW	1	bc	30.07	+20	39	39	-4	NNW	1	f	1	c, bc, f	49	37	*	0.02	
FRANCE.	Wick ...	29.67	42	Z	0	c	29.72	+10	42	41	+2	SSE	2	c	2	c	48	38	*	—	
	Nairn ...	29.71	46	SW	1	bc	29.69	+07	45	41	+2	SSE	2	c	1	bc	55	34	*	—	
	Aberdeen ...	29.76	44	S	2	c	29.81	+10	39	38	-3	SSE	2	og	2	c	49	35	4.4	0.01	
	Leith ...	29.77	48	SW	2	c	29.82	+13	43	41	-1	SE	1	o	*	c	54	37	*	—	
	North Shields ...	29.83	49	SW	2	cm	29.89	+13	40	39	-2	SSW	2	cm	2	cm	51	36	*	—	
	Spurn Head ...	29.89	41	S	3	c	29.95	+14	39	38	0	S	1	bc	1	c, w	46	37	*	—	
	Yarmouth ...	29.89	44	S	2	o	29.98	+14	40	39	-1	SSW	2	bm	3	bc, o	45	37	*	0.10	
	Loughborough ...	29.91	49	SSW	1	c	29.99	+17	40	39	-2	S	2	bc, m	*	bc, c, b	53	35	*	0.01	
SPAN. PEN.	Oxford ...	29.97	46	SW	1	bc	30.04	+18	44	43	+2	SSW	1	o	*	p, bc	51	40	*	0.06	
	London (Brixton) ...	29.94	50	SW	2	b	30.06	+17	42	42	+1	SW	2	o	*	of, bc, b	55	37	1.6	0.05	
	The Scaw (Skagen) ...	30.10	31	NNE	1	b	30.13	+24	31	30	+1	ENE	1	o	0	b	32	28	*	—	
	Fanö ...	30.06	32	SE	2	o	30.15	+27	32	32	-1	SE	2	m	*	o	36	32	*	—	
	Cuxhaven ...	30.02	36	Z	0	f	30.14	+26	33	33	-2	S	1	c	*	f	37	32	*	—	
	The Helder ...	29.99	40	S	1	b	30.03		39	39		S	1	c	0	b	48	34	*	—	
	Brussels ...	*	*	*	*	*	30.11		37	36		ESE	1	b	*	f	47	32	*	—	
	Berlin ...	29.98	40	NW	2	o	30.16	+41	32	31	-5	NW	2	o	*	o	43	30	*	0.04	
SPAN. PEN.	Frankfurt ...	30.08	45	NE	2	c	30.13	+28	40	39	-3	NE	2	o	*	c	54	39	*	0.04	
	Munich ...	30.09	39	SW	2	b	30.14	+28	31	30	-9	SE	1	b	*	b	48	28	*	0.16	
	C. Gris Nez ...	30.00	50	SSW	1	bc	30.05	+21	41	41	-4	WSW	1	f	2	bc	50	39	*	—	
	Brest ...	30.00	53	Z	0	b	30.04	+17	46	46	0	SSE	1	m	2	b	55	45	*	—	
	Lorient ...	30.01	49	W	2	bc	30.07	+21	42	42	-3	W	1	f	5	bc	55	41	*	0.04	
	Rochefort ...	30.01	46	WNW	3	m	30.09	+20	45	45	0	WNW	2	f	*	m	54	41	*	0.20	
	Biarritz ...	30.10	?	W	4	c	30.14	+16	47	45	-2	S	3	b	3	c	54	46	*	0.16	
	Paris ...	30.00	50	SW	2	b	30.09	+17	32	32	0	Z	0	b	*	b	58	32	*	—	
SPAN. PEN.	Belfort ...	30.04	45	ENE	2	b	30.08	+16	38	36	-3	ENE	1	c	*	b	57	34	*	—	
	Lyons ...	30.03	49	N	1	o	30.10	+10	46	43	+3	N	1	o	*	o, b	56	43	*	0.04	
	Nice ...	29.99	49	S	2	b	30.01	+09	45	43	+2	E	2	c	3	b	59	41	*	—	
	Perpignan ...	30.00	50	W	3	o	30.07	+12	48	45	+3	SW	1	c	*	o	66	45	*	0.08	
SPAN. PEN.	Corunna ...																				
	Lisbon ...	30.12	51	Z	0	bc	30.01	-10	48	45	-2	E	3	c	*	bc	57	46	*	—	
SPAN. PEN.	Azores (P. Delgada)	29.67	55	NW	5	bc	29.88	+23	55	51	-5	NNW	4	f	5	bc	60	52	*	0.12	

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

\* Observations for this column not generally received.

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



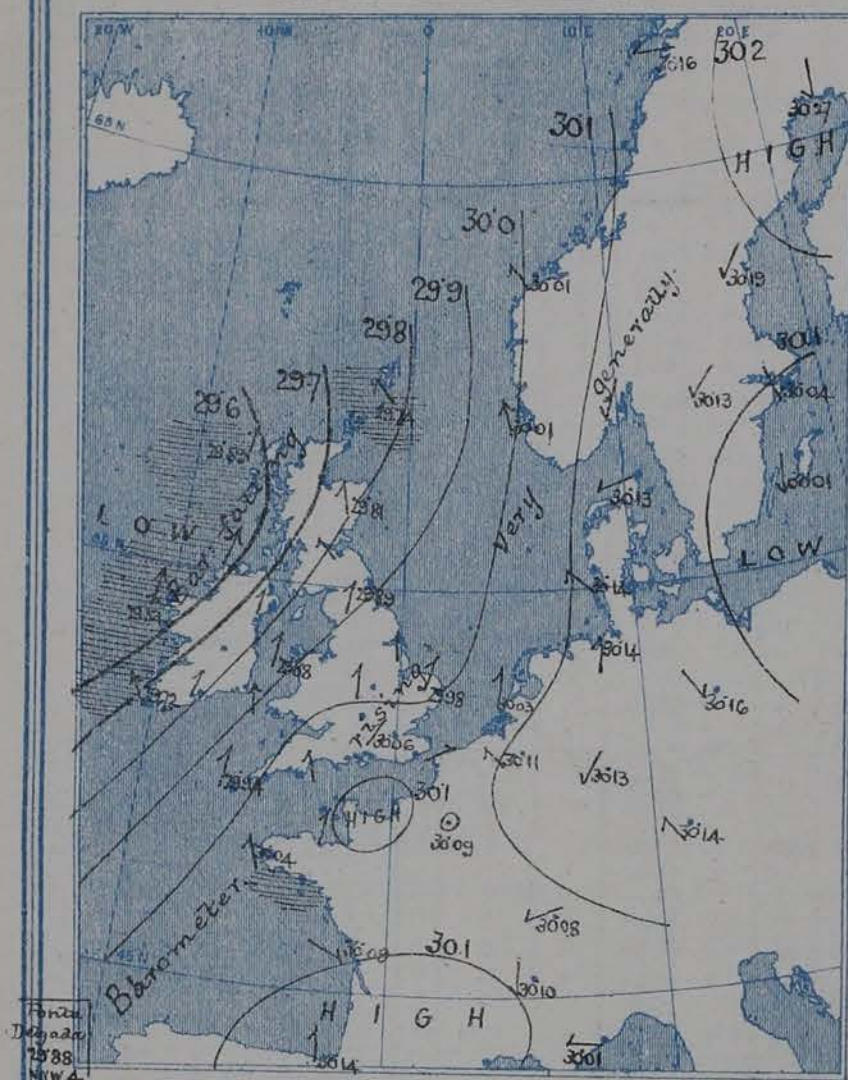
FOR Monday, 3<sup>rd</sup> March. 1902

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

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

Force above 10  $\rightarrow$  : Force 5 to 7  $\rightarrow$  : } Get

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

SEA.—Rough  : High 

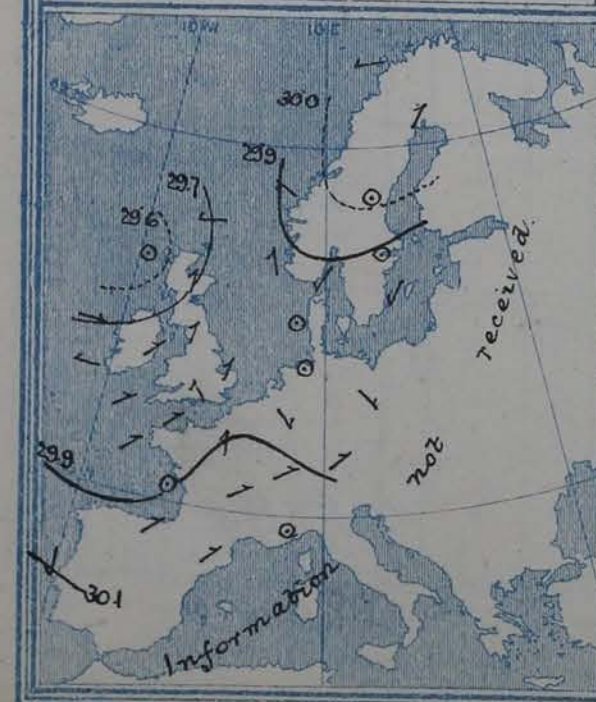
TEMPERATURE.—Isotherms are drawn for each 10°

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

**RAINFALL.**— { A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.8



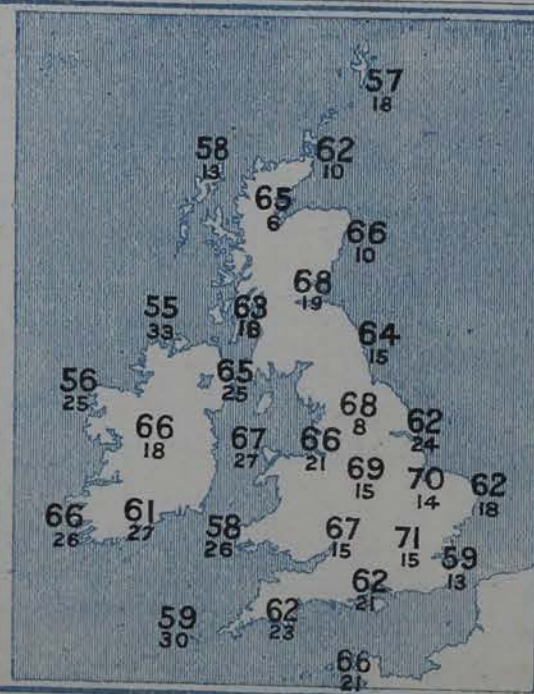
Yesterday morning.



in month of MARCH (1871-1900)

Specimen	{	Highest Max,	64
(for Shields)		Lowest Min,	15

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



at 8 A. M. for the Two monthly period

FEBRUARY-MARCH (1871-1900.)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The barometer is high and rising over the western and northern parts of the Continent, the highest readings of all, 30.2 inches and upwards being at present found in the north of Sweden. A slight rise is also in progress in the eastern parts of the United Kingdom, but in the west the barometer is falling, the change being due to a cyclonic system which has appeared during the night off our extreme north-west coasts. The lowest reading, 29.6 in., and less, are reported in the Hebrides and the north-west of Ireland.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is S.W. over the whole of our islands and blows strongly in the west and north of Ireland, with a gale at Blackhead Point; on the eastern shores of the North Sea it is chiefly S.E. In France and Germany light variable breezes are reported, while in Sweden the wind is N.W. Temperature has changed little and very irregularly over Great Britain and the western parts of the Continent, but has risen in Ireland and fallen in Germany and the south of Sweden. In our islands the thermometer is slightly above the average, the morning readings being above 40° at all but the eastern and a few of the central stations and above 45° in Ireland and the south-west of England; at Valencia and Sully the thermometer stands at 49°. Slight frost prevails in several parts of Denmark, Germany and central France and a sharper frost in Scandinavia, the lowest reading reported being 17° at Haparanda. The weather is cloudy or dull over North-western Europe as a whole, with fog over the Bay of Biscay and the eastern parts of the English Channel and with rain at some of the Irish stations. On the east coasts of England, however, and in the west of Norway, the Netherlands and the north-east of France the weather is fine. The sea is rough or rather so on our extreme western and northern coasts, but slight or smooth elsewhere.

During yesterday the thermometer rose to 50° and upwards in most parts of the United Kingdom and to 55° in London and at Aberdeen. The amount of bright sunshine was large on our south and south-west coasts (more than 6 hours in several places and as much as 7.3 hours at Sully) but small elsewhere. A little rain fell in the eastern and central parts of Great Britain.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The cyclonic disturbance off our north-west coasts will probably move away to the northward. The distribution of pressure is favourable for the advance of other cyclonic systems from the Atlantic, but the disturbing effect of these will probably be confined for the present to our western and northern coasts.

## FORECASTS \*

For the 24 hours ending at NOON on 4<sup>th</sup> March, 1902

### DISTRICTS.

### FORECASTS.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	S <sup>W</sup> winds, increasing in force; drizzle, some rain.
1	SCOTLAND EAST	S <sup>W</sup> winds, freshening; fair at first, some rain later.
2	ENGLAND N.E.	S <sup>W</sup> winds, light or moderate; fair generally.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

6	SCOTLAND WEST	Same as No. 0.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Same as No. 1.
9	IRELAND NORTH	
10	IRELAND SOUTH	S <sup>W</sup> winds, strong; squally, some rain.

### WARNINGS

At 10.10 am today to district 6 + part of 0  
'Hoist South Cone'.

*Note.*—The South Cone, point downwards (⌣), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.  
The North Cone, point upwards (⌢), 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.			Wind.	Weather.	Sea.	Weather.	Temperature. Max. Min.	Sun- shine. Hrs.	Rainfall Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	f	*	bc, b	48 36	5.7	0.11
Newton Reigny (Penrith)	29.84	45	SW 1	c	29.89	40	39		SSE 2	om	*	ombcg	51 38	5.5	—
Bath	29.89	48	NW 1	c	29.99 +.14	45	43	+1	SW 1	bc	*	c	52 42	1.1	0.01

## 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	34	m, c	2.4	0.20	Worthing	*	*	*	6.2	*
Birmingham, 9 p.m.	54	40	o	1.2	0.03	Llandudno	*	*	*	3.3	*
Lowestoft, 6 p.m.	*	*	*	?	*	Rhyl	*	*	*	4.3	*
Hastings	*	*	*	3.9	*	Southport, 9 p.m.	51	40	c, br	2.5	0.07
Eastbourne	*	*	*	6.0	*	Manchester, 9 p.m.	54	41	o	?	—
Brighton	*	*	*	6.7	*	Darwen, 9 p.m.	49	39	cw	2.4	—

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

STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal)				Ins.	Algiers				Ins.
Madrid					Tunis				
Corsica (I. Sanguinaires)					Vienna				
Rome					St. Petersburg				
Florence					1. March - 1 p.m. Information not received.				
Trieste									
Brindisi					Lugano	45	—	r	Measured 7 a.m. 0.99
Naples					Davos	41	—	o	0.08
Palermo					Lucerne	48	—	c	—
					Lausanne	39	—	r	0.47

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

3. March, 1902	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	6.38	12.5	5.32
Greenwich	6.44	12.12	5.40
Wick	7.5	12.24	5.43
Valencia	7.26	12.53	6.20

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



# DAILY WEATHER REPORT

for 8 a.m. on Tuesday 4<sup>th</sup> March

1902

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.	THERM.		Sun- shine. Hours	Rainfall Ins.	
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)	Max.			Min.				
																		Ins.			Ins.
SCANDINAVIA.	Haparanda ...	30.24	7	N	1	c	30.32	+05	7	6	-10	N	2	o	*	c	25	7	*	-	
	Hernösand ...	30.26	20	Z	0	o	30.32	+13	18	17	-5	Z	0	o	*	o	23	14	*	-	
	Stockholm ...	30.25	23	N	2	o	30.31	+27	24	23	-2	Z	0	f	*	o	28	23	*	0.43	
	Wisby ...	30.20	29	NNW	6	o	30.28	+27	30	30	-2	N	6	s	*	o	36	21	*	0.08	
	Karlstad ...	30.26	27	N	2	o	30.29	+16	25	25	-2	SE	2	s	*	o	*	*	*	0.08	
	Färder (X'ania Fjord) ...	30.23	29	ENE	2	o	30.20	+03	28	28	0	ESE	2	s	2	o	30	27	*	-	
	Bodö ...	30.17	29	E	2	b	30.11	-05	28	26	-2	ENE	4	b	1	b	34	25	*	-	
	Christiansund ...	29.99	36	ESE	2	c	29.95	-06	36	32	+5	ESE	2	c	3	c	37	30	*	-	
	Skudesnaes ...	30.02	39	E	2	b	29.98	-03	39	37	+2	SE	6	o	4	o	39	37	*	*	
	Sumburgh Head ...	29.65	43	S	4	+	29.73	-01	41	41	+1	Z	0	o	5	o, r	46	39	*	0.06	
BRITISH ISLANDS.	Stornoway ...	29.58	43	W	3	o	29.64	+05	42	42	-3	SE	2	+	2	o	48	39	0.7	0.27	
	Malin Head ...	29.66	43	W	2	odpf	29.74	+21	47	46	+1	SW	5	c	3	odpf	47	43	*	0.25	
	Blacksod Pt. ...	29.62	49	SW	6	mq	29.70	+16	50	47	+2	SSW	7	cg	6	mq	51	44	*	0.37	
	Valencia ...	29.73	51	SSE	4	og	29.75	+03	50	48	+1	SSE	5	og	5	ogm, og	51	49	0.0	0.01	
	Roche's Point ...	29.82	48	SW	4	o	29.84	+03	48	46	+1	S	4	bc	4	o	50	46	*	-	
	Parsonstown ...	29.77	50	SE	6	o	29.82	+08	47	45	0	SE	4	o	*	o	53	46	0.0	0.02	
	Donaghadee ...	29.74	47	WSW	3	cg	29.82	+10	45	45	0	SW	3	bc	3	cg	47	44	*	0.07	
	Liverpool Obsy. ...	29.93	49	SSW	3	c	29.94	+06	40	39	-1	SSE	2	o	2	c	53	39	*	-	
	Holyhead ...	29.87	46	SSW	4	c	29.94	+06	44	43	-1	S	4	cm	3	cm, c	48	43	*	-	
	Pembroke (St. Ann's) ...	29.91	46	SSW	5	c	29.95	+04	44	43	-1	S	5	cgq	4	c	49	43	1.2	-	
GERMANY, &c.	Scilly (St. Mary's) ...	29.91	50	S	5	c	29.90	-04	49	46	0	S	5	c	5	c	55	45	6.3	-	
	Jersey (St. Aubins) ...	30.06	43	SSE	1	f	30.02	-08	40	38	-5	NE	1	f	1	o, f	47	38	0.0	-	
	Portland Bill ...	30.04	44	S	2	bc	30.03	-01	40	40	-4	ESE	3	f	3	bc	49	40	*	-	
	Dungeness ...	30.08	43	WSW	2	bc	30.10	+03	40	40	+1	NE	1	f	1	bc, f	49	38	*	-	
	Wick ...	29.64	40	SSE	2	c	29.70	-02	44	43	+2	SE	2	o	3	c	44	38	*	0.05	
	Nairn ...	29.65	44	SW	1	o	29.70	+01	47	45	+2	Z	0	c	0	o	49	39	*	-	
	Aberdeen ...	29.71	43	S	4	o	29.81	00	47	45	+8	SSW	3	cg	3	qr, og	47	39	0.0	0.06	
	Leith ...	29.70	46	SE	3	+	29.85	+03	48	46	+5	SSW	1	cm	*	+	49	42	*	0.03	
	North Shields ...	29.86	48	SSW	2	o	29.94	+05	42	41	+2	SSE	3	cm	2	cm	48	38	*	-	
	Spurn Head ...	29.95	48	S	4	bc	30.04	+09	40	39	+1	S	3	o	2	bc	51	38	*	-	
FRANCE.	Yarmouth ...	30.01	46	S	3	bc	30.07	+09	32	31	-8	SW	2	f	3	bc	47	30	*	0.01	
	Loughborough ...	29.98	48	S	1	c	30.06	+07	39	38	-1	SSE	2	ow	*	b, c, b, o	54	39	*	-	
	Oxford ...	30.04	44	S	1	b	30.08	+04	40	39	-4	S	2	o	*	b, o	52	40	*	-	
	London (Brixton) ...	30.04	46	SSW	3	b	30.09	+03	39	38	-3	SE	2	o	*	bc, b, o	52	38	2.3	-	
	The Scaw (Skagen) ...	30.20	33	E	2	o	30.17	+04	34	33	+3	S	3	o	0	o	34	30	*	-	
	Fanö ...	30.15	33	SE	2	c	30.15	00	35	30	+3	SE	2	m	*	c	39	32	*	0.04	
	Cuxhaven ...	30.17	42	SSE	1	b	30.18	+04	34	33	+1	S	2	b	*	b	46	32	*	-	
	The Helder ...	30.07	39	SW	1	m	30.12	+09	33	33	-6	Z	0	f	0	m	48	32	*	-	
	Brusels ...	*	*	*	*	*	30.14	+03	32	32	-5	Z	0	f	*	f	56	30	*	-	
	Berlin ...	30.25	35	SE	2	o	30.28	+12	31	30	-1	SE	2	o	*	o	37	30	*	-	
SPAN. PEN.	Frankfurt ...	30.17	41	E	2	b	30.17	+04	33	33	-7	E	2	b	*	b	52	32	*	-	
	Munich ...	30.10	35	NE	4	b	30.11	-03	29	29	-2	E	2	b	*	b	46	28	*	-	
	C. Gris Nez ...	30.12	43	W	1	bc	30.10	+05	40	40	-1	WSW	1	f	1	bc	50	39	*	-	
	Brest ...	30.01	48	SSE	3	c	29.95	-09	42	41	-4	ESE	3	o	3	c	54	41	*	-	
	Lorient ...	30.05	45	SE	3	m	29.95	-12	41	41	-1	E	3	m	4	m	52	39	*	0.04	
	Rochefort ...	30.05	50	E	1	c	29.95	-14	40	40	-5	E	3	b	*	c	55	37	*	-	
	Biarritz ...	30.02	55	N	3	b	29.89	-25	42	40	-5	E	3	b	1	b	59	41	*	?	
	Paris ...	30.07	50	NE	2	b	30.08	-01	31	31	-1	NNE	2	b	*	b	60	31	*	-	
	Belfort ...	30.03	45	ENE	4	m	30.06	-02	32	32	-6	ENE	4	f	*	m	54	31	*	-	
	Lyons ...	30.05	48	NW	2	bc	30.04	-06	37	35	-9	NNW	1	b	*	bc	57	37	*	-	
Nice ...	29.93	47	Z	0	c	29.89	-12	46	38	+1	E	2	b	1	c	54	43	*	-		
Perpignan ...	30.00	51	NW	2	b	29.95	-12	37	36	-11	SW	1	b	*	b	60	35	*	-		
SPAN. PEN.	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Lisbon ...	29.77	54	E	3	o	29.59	-42	53	51	+5	S	2	o	*	o	59	48	*	0.04	
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.



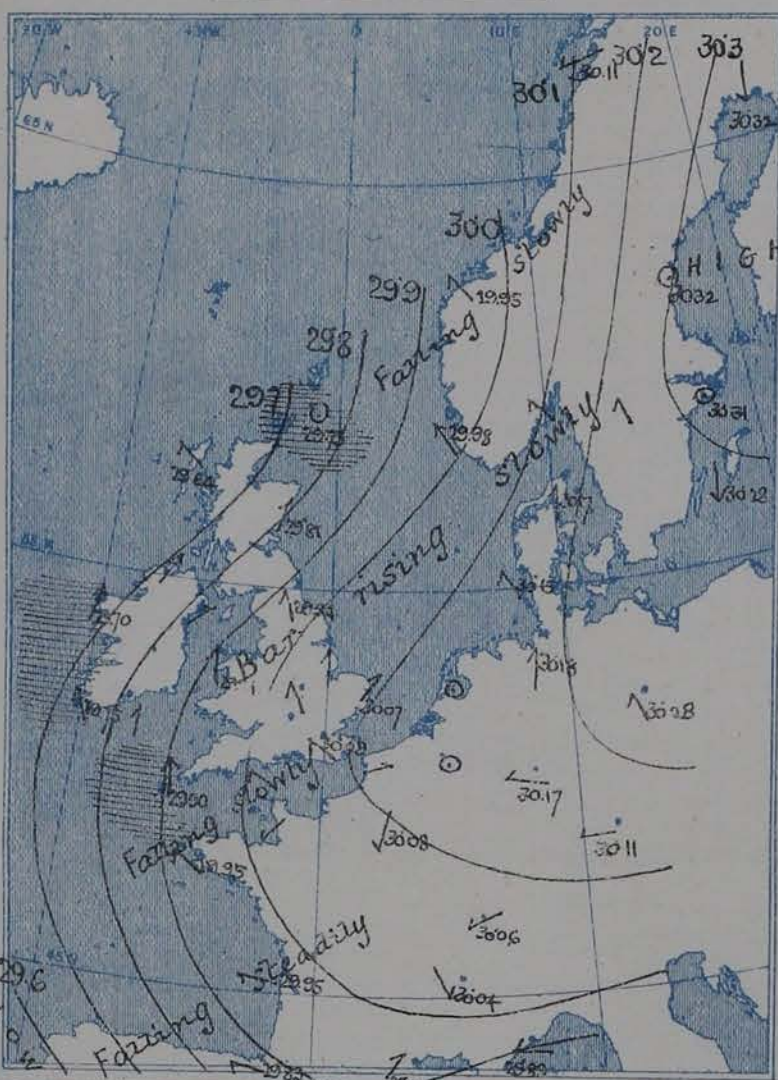
FOR Tuesday, 4<sup>th</sup> March. 1902

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

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

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

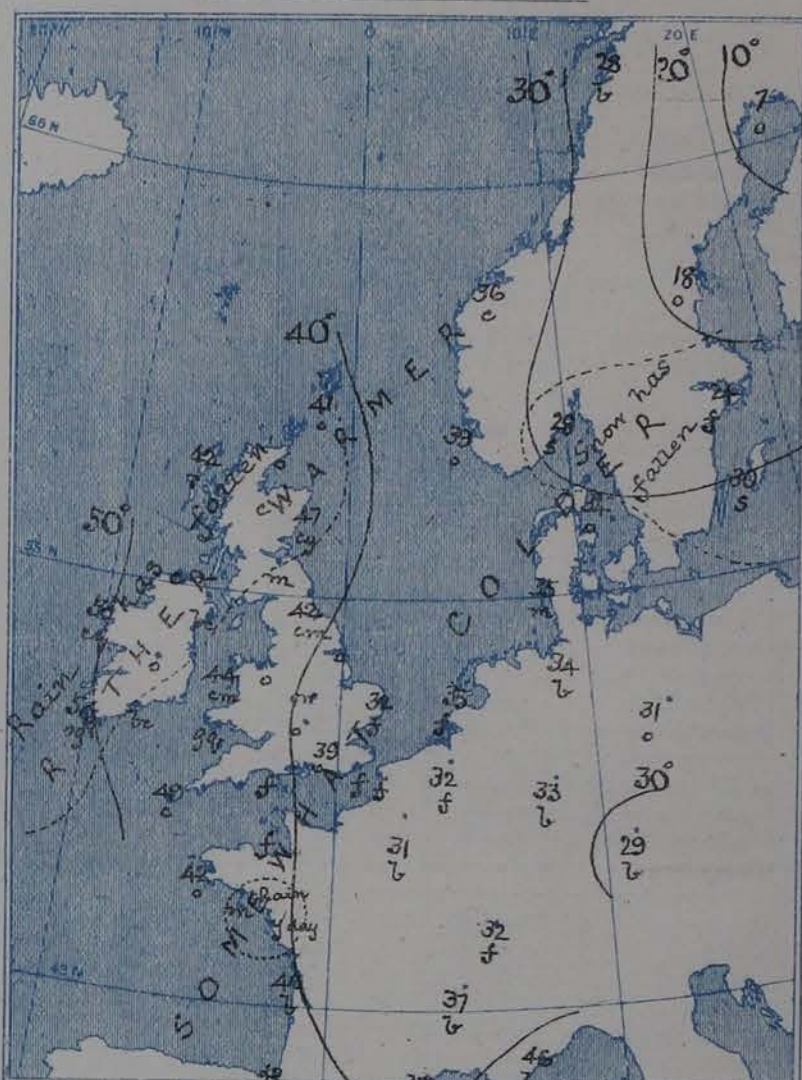
Force 8 to 10  $\rightarrow$  : Force 1 to 4  $\rightarrow$  : } Calc

SEA — Rough  High 

TEMPERATURE.—Isotherms are drawn for each 10°.

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

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.0

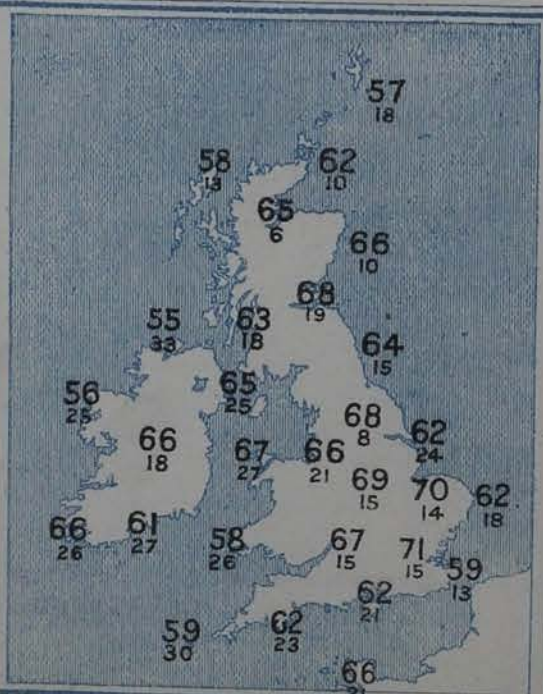


Yesterday morning.



Specimen	{ Highest Max,	64
(for Shields)	{ Lowest Min,	15

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



at 8 A.M. for the Two monthly period

FEBRUARY-MARCH (1871-1900.)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

— 02 —

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

A large anticyclone is lying over England and the northern and central parts of the Continent, the highest pressures, 30.8 in. and upwards, being reported over the Gulf of Biscaya. The lowest readings, 29.6 in. and less, are found in a cyclonic area lying off the Portuguese coast and this is occasioning a rather decided fall of the barometer in Falmouth and a slight fall in the extreme south of England. Another cyclonic system, with readings below 29.7 in. is reported off our extreme north-west coast, but is apparently moving away in a northerly or north-westerly direction.

Light E<sup>2</sup> breezes have set in over Germany, France and the south of England, with a decrease in temperature, the morning readings being below 40° at several of the English stations; at Yarmouth the reading is only 32°. Slight frost is reported also in Belgium, Germany and central France. In the western and northern parts of the United Kingdom the wind remains S<sup>2</sup> and temperature has risen; in the east of Scotland the thermometer is above 45° and is about 10° above the average for the time of year. The highest reading at present reported in our islands is however at Blackrock Point and Valencia, where the thermometer stands at 50°. In Sweden, where the wind is either calm or N<sup>2</sup>, the frost has become more severe, the thermometer being down to 7° at Haparanda and 18° at Åre-näskänd. Thick fog prevails over the English Channel and our east coasts and also over the Netherlands, and cloudy weather is reported in most other parts of north-western Europe, with rain at Stornoway, and snow in the south of Scandinavia. Over the greater part of France and Germany however, the weather is fine. The sea is rough or rather so on our extreme south-western, western and northern coasts.

During yesterday the thermometer rose to 50° and upwards at most of the English and Irish stations and to 55° at Scilly; in Belgium and France it exceeded 55° and at Paris and Perpignan it reached 60°. The amount of bright sunshine was small excepting at our south-west stations; at Bath there was 5.0 hours and at Scilly 6.3 hours. Rain fell in most parts of Ireland and Scotland, but not heavily.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The cyclonic disturbance off the Portuguese coast is likely to advance in a northerly or north-easterly direction and will probably occasion increasing S.E. winds, and rain on our south-west coasts. The E<sup>2</sup> wind in the Channel is likely to freshen considerably in the course of tomorrow.

## FORECASTS \*

For the 24 hours ending at NOON on 5<sup>th</sup> March, 1902

### DISTRICTS.

### FORECASTS.

0	{ SCOTLAND NORTH	SE <sup>2</sup> & S <sup>2</sup> winds, freshening; dull, some rain
1	{ SCOTLAND EAST	S <sup>2</sup> & SE <sup>2</sup> winds, light; fair generally, but foggy in places. Colder.
2	{ ENGLAND N.E.	
3	{ ENGLAND EAST	
4	{ MIDLAND COUNTIES	E <sup>2</sup> winds, light or moderate; fair generally. Colder.
5	{ ENGLAND SOUTH	

### DISTRICTS.

### FORECASTS.

6	{ SCOTLAND WEST	S <sup>2</sup> winds, strong at first, but moderating later; fair generally.
7	{ ENGLAND N.W.	S <sup>2</sup> to SE <sup>2</sup> winds, moderate; fair generally. Colder.
8	{ ENGLAND S.W.	SE <sup>2</sup> winds, increasing in force; fair at first, some rain later.
9	{ IRELAND NORTH	Same as no. 6.
10	{ IRELAND SOUTH	Same as no. 8.

### WARNINGS

The South Cone is still flying in district 6 and part of 0.

Note — The South Cone, point downwards (  $\nabla$  ), 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 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.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet. °	Change.					Max. °	Min.	Hrs.	
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	f	*	c	43	36	1.8	—
Newton Reigny (Penrith)	29.84	46	SSW 4	c	29.94	+0.5	44	42	+4	SSE 3	c	*	cym, c	48	40	0.0	—
Bath	29.99	48	NW 4	c	30.06	+0.7	41	40	-4	E 1	c	*	c	54	38	5.0	—

## 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.	49	34	om	1.4	—	Worthing	*	*	*	1.2	*
Birmingham, 9 p.m.	52	36	c	1.6	—	Llandudno	*	*	*	0.2	*
Lowestoft, 6 p.m.	47	37	b	0.8	0.06	Rhyl	*	*	*	1.3	*
Hastings	*	*	*	3.8	*	Southport, 9 p.m.	53	36	c, o, c	1.0	—
Eastbourne	*	*	*	2.8	*	Manchester, 9 p.m.	50	38	bc	1.0	—
Brighton	*	*	*	1.0	*	Darwen, 9 p.m.	48	35	c	0.2	—

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

STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal)	Information not recd			Ins.	Algiers	Information not recd			Ins.
Madrid					Tunis				
Corsica (I. Sanguinaires)					Vienna				
Rome					St. Petersburg				
Florence					2. March 1902	1 p.m.	Not recd yet		Measured 7 a.m.
Trieste					Lugano				
Brindisi					Davos				
Naples					Lucerne				
Palermo					Lausanne				

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

4 March 1902	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	h. m. 6.36	h. m. 12.5	h. m. 5.34
Greenwich	6.42	12.12	5.42
Wick	7.3	12.24	5.45
Valencia	7.24	12.53	6.22

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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 Wednesday 5<sup>th</sup> March 1902  
 Issued by the Meteorological Office, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.	YESTERDAY EVENING. (See note on last page.)						THIS MORNING. (See note on last page.)										PAST 24 HOURS.			
	BAROM.	TEMP.	WIND.				BAROMETER.	TEMPERATURE.	WIND.								TEMP.			
	At 82° and M.S.L.	Dry Bulb.	Dirac.	Force (0 to 12.)	Weather.		At 82° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dirac.	Force (0 to 12.)	Weather.	Sea (0 to 9.)		Max.	Min.	Sun- shine Hours	Rainfall Ins.
	Ins.						Ins.	Ins.	°	°										
SCANDINAVIA.	Haparanda ...	30.35	14	N	2	0	30.26	-0.06	12	12	+5	N	2	S	*	0	23	0	*	—
	Hernösand ...	30.28	19	Z	0	0	30.10	-0.22	23	23	+5	SSE	4	S	*	0	23	18	*	0.16
	Stockholm ...	30.33	26	Z	0	0	30.14	-0.17	32	32	+8	S	2	S	*	0	32	23	*	0.12
	Wisby ...	30.30	30	N	4	5	30.22	-0.06	33	32	+3	S	6	S	*	5	36	21	*	0.04
	Karlstad ...	30.13	29	SE	2	5	30.05	-0.24	33	33	+8	WSW	4	f	*	5	*	*	*	0.28
	Fæder (X'ania Fjord) ...	30.12	32	SSE	2	f	30.05	-0.15	33	33	+5	SSW	3	f	2	f	33	28	*	0.12
	Bodö ...	29.97	27	ENE	6	b	29.88	-0.23	26	24	-2	ENE	4	b	1	b	32	23	*	—
	Christiansund ...	29.91	38	SW	2	†	29.76	-0.19	40	39	+4	SW	2	†	3	†	40	36	*	0.39
	Skudesnaes ...	30.02	39	SSE	8	0	30.02	+0.04	37	37	-2	S	8	f	5	0	39	36	*	*
	Sumburgh Head ...	29.73	45	SW	3	op	29.66	-0.07	42	42	+1	WSW	4	†	5	op	46	40	*	0.47
BRITISH ISLANDS.	Stornoway ...	29.72	47	WSW	4	†	29.77	+0.13	44	44	+2	WNW	3	bc	3	†	48	41	0.0	0.48
	Malin Head ...	29.78	48	SSW	5	0	29.93	+0.19	45	45	-2	WNW	3	omp	2	c, 0	51	43	*	0.04
	Blackod Pt. ...	29.78	50	S	6	c	29.97	+0.27	46	45	-4	SW	2	rm	2	c	52	45	*	0.06
	Valencia ...	29.87	49	SSE	4	og	30.02	+0.27	40	39	-10	Z	0	b	3	og	51	39	0.0	—
	Roche's Point ...	29.92	46	S	3	c	30.04	+0.20	45	43	-3	S	3	0	4	c	48	43	*	—
	Parsonstown ...	29.89	47	SE	2	c	30.03	+0.21	37	36	-10	Z	0	c	*	c	52	36	0.7	—
	Donaghadee ...	29.90	46	SW	3	bc	30.00	+0.13	43	41	-2	SW	2	c	2	bc	49	40	*	—
	Liverpool Obsy. ...	30.01	46	SE	2	bc	30.08	+0.09	36	36	-4	ESE	2	f	?	bc	51	36	*	—
	Holyhead ...	29.98	44	S	2	bc	30.06	+0.12	42	41	-2	SW	2	om	1	c, bc	47	41	*	—
	Pembroke (St. Ann's) ...	29.97	43	SE	5	b	30.03	+0.08	39	38	-5	ESE	5	mg	4	b	47	39	4.8	—
GERMANY, &c.	Scilly (St. Mary's) ...	29.91	47	ESE	5	c	29.94	+0.04	47	45	-2	E	5	0	5	c	51	47	5.5	—
	Jersey (St. Aubins) ...	29.95	49	ENE	3	bm	30.01	-0.01	41	38	+1	NE	2	bm	2	bm, w	52	39	6.7	—
	Portland Bill ...	30.01	41	E	4	om	30.05	+0.02	37	37	-3	ENE	3	f	3	f, om	42	37	*	—
	Dungeness ...	30.03	38	E	4	f	30.10	0.00	38	38	-2	E	3	f	1	f	42	36	*	—
	Wick ...	29.77	47	S	2	c	29.74	+0.04	44	43	0	SSW	2	†	1	c	50	43	*	0.02
	Nairn ...	29.80	48	SW	1	c	29.77	+0.07	47	44	0	W	3	c	1	c	52	43	*	0.01
	Aberdeen ...	29.88	48	SSW	3	bc	29.86	+0.05	43	41	-4	SSW	2	eg	2	c, bc	50	41	0.5	0.01
	Leith ...	29.90	46	WSW	2	c	29.90	+0.05	46	42	-2	SSW	3	c	*	c	51	41	*	—
	North Shields ...	29.98	49	SSW	1	0	29.98	+0.04	36	35	-6	SSW	3	f	2	c, 0, f	55	34	*	—
	Spurn Head ...	30.05	40	S	3	0	30.10	+0.06	32	32	-8	SSW	2	f	2	0, f	44	31	*	—
FRANCE.	Yarmouth ...	30.07	38	SSE	3	f	30.10	+0.03	32	32	0	SSE	1	f	3	f	38	30	*	0.02
	Loughborough ...	30.06	43	SE	2	bc	30.12	+0.06	31	31	-8	Z	0	ofw	*	0, bc, of	51	31	*	—
	Oxford ...	30.09	38	SE	1	0	30.13	+0.05	32	32	-8	SSW	1	f	*	0, b, f	46	32	*	—
	London (Brixton) ...	30.08	42	E	2	0	30.12	+0.03	34	34	-5	NE	1	0	*	om, f	46	34	0.0	—
	The Scaw (Skagen) ...	30.16	35	S	3	†	30.12	-0.05	35	34	+1	SW	2	f	0	†	36	34	*	0.04
	Fanö ...	30.26	36	SSE	2	c	30.23	+0.08	32	31	-3	SSE	4	m	*	c	39	32	*	—
	Cuxhaven ...	30.21	43	S	1	b	30.27	+0.09	31	30	-3	SSE	3	†	*	b, f	50	30	*	—
	The Helder ...	30.13	38	E	1	b	30.17	+0.05	35	34	+2	SSE	6	b	0	b	41	32	*	—
	Brussels ...	*	*	*	*	*	30.16	+0.02	38	36	+6	Z	0	b	*	b	55	32	*	—
	Berlin ...	30.32	32	SE	2	0	30.35	+0.07	32	30	+1	SE	2	b	*	0	32	30	*	—
SPAN. PEN.	Frankfurt ...	30.17	40	E	2	b	30.26	+0.09	34	32	+1	E	2	0	*	b	52	30	*	—
	Munich ...	30.12	32	NE	2	b	30.21	+0.10	24	24	-5	SE	3	†	*	b	41	24	*	—
	C. Gris Nez ...	30.09	41	E	3	m	30.10	0.00	36	36	-4	SE	2	b	2	m	43	34	*	—
	Brest ...	29.89	50	ESE	2	b	29.90	-0.05	41	38	-1	ENE	2	b	2	b	57	41	*	—
	Lorient ...	29.87	52	ESE	4	b	29.89	-0.06	42	40	+1	E	4	bc	4	b	55	41	*	—
	Rochefort ...	29.84	54	E	4	b	29.88	-0.07	40	39	0	E	3	bc	*	b	55	36	*	—
	Biarritz ...	29.79	59	E	3	0	29.81	-0.08	45	42	+3	E	4	0	2	0	63	42	*	—
	Paris ...	30.03	49	ENE	2	b	30.08	0.00	34	33	+3	ENE	2	b	*	b	59	31	*	—
	Belfort ...	30.42	37	ENE	5	m	30.13	+0.07	29	28	-3	E	4	m	*	m	46	29	*	—
	Lyons ...	29.99	45	E	1	t	30.10	+0.06	35	33	-2	E	1	b	*	t	52	35	*	—
SPAN. PEN.	Nice ...	29.92	48	Z	0	b	30.06	+0.17	44	41	-2	NE	2	b	2	b	61	39	*	—
	Perpignan ...	29.89	51	E	2	b	29.93	-0.02	44	43	+7	E	1	0	*	b	62	37	*	—
SPAN. PEN.	Corunna ...																			
	Lisbon ...	29.49	53	S	4	†	29.56	-0.03	54	52	+1	SE	3	c	*	†	57	52	*	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

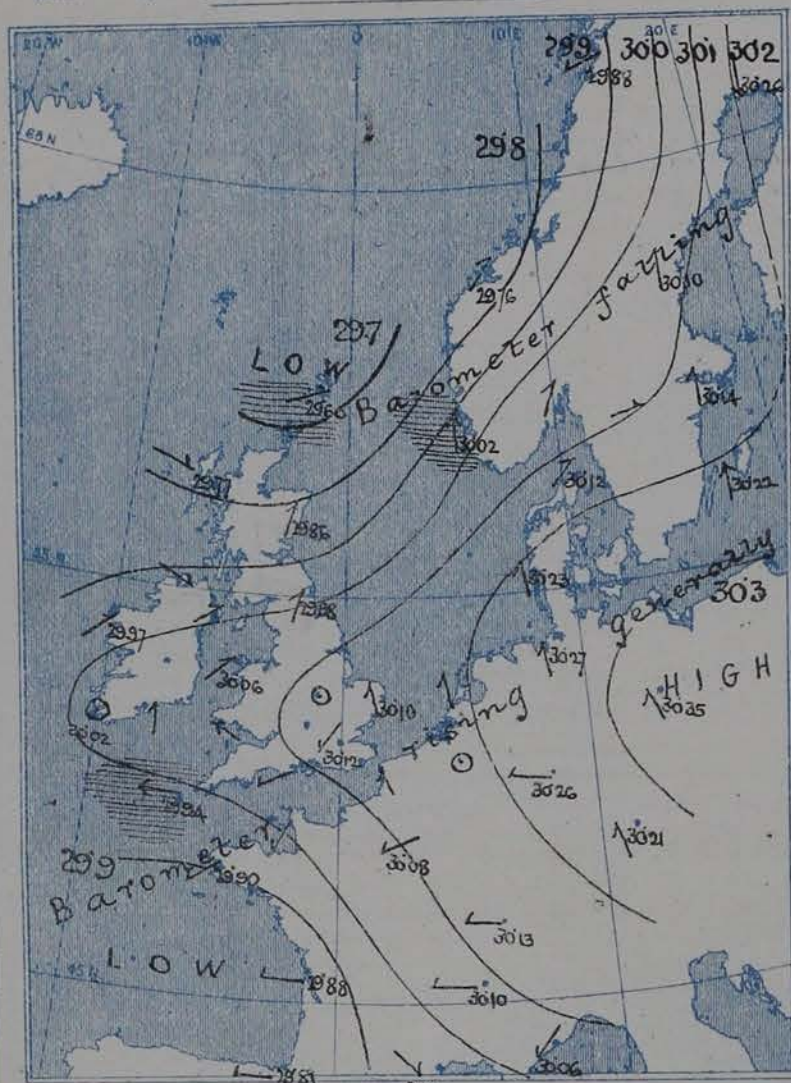
FOR Wednesday, 5<sup>th</sup> March. 1902

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

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

Force about 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 MARCH (1871-1900)

Specimen { Highest Max, 64  
(for Shields) { Lowest Min, 15

Malin Head & Blackhead Belmullet values are for only 15 Yrs.



## V. Means of DAILY TEMPERATURE

at 8 A.M. for the two monthly period

FEBRUARY-MARCH (1871-1900.)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The anticyclone recently noticed over the Continent is moving southwards, its central portion being now situated over North Germany, where the barometer exceeds 30.3 in. The system has however spread westward in the form of a ridge over England and Ireland and the barometer is rising over the whole of these countries, as well as in France, Germany and the Netherlands. In the northern parts of our area the pressure is falling and off the north of Scotland there is a cyclonic area with minimum readings below 29.7 in. Another cyclonic system with readings below 29.8 in. is situated over the Spanish Peninsula.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is Easterly over France and the south of England - light or moderate in force in most places, but fresh at the mouths of the English and Bristol Channels. In all the more northern parts of the United Kingdom it is light from the South-westward or Westward, while in Scandinavia it is chiefly Southerly, with a gale at Skudesnæs. Temperature has fallen in all but the extreme northern parts of the United Kingdom and is below the normal, with slight frost over our eastern and midland countries. On several parts of the Irish and Scotch coasts, however, the thermometer stands at or slightly above 45°, the reading of 47° at Naism being 10° above the average. In Scandinavia the thermometer has risen, but frost still prevails there, as well as in Germany and the east of France. Fog prevails over nearly the whole of England and also in many parts of Denmark, Germany and the south of Scandinavia, and rain is falling on our extreme north and north-west coasts, as well as at Christiansand; snow is reported at nearly all the Swedish stations. Over France and the Netherlands the weather is at present fine. The sea is slight or smooth generally, but rather rough at Sunning Head and Skudesnæs.

During yesterday the thermometer rose to 50° or slightly above it in many parts of the United Kingdom and to 55° at Shields. The amount of bright sunshine was large on the west and south-west coasts of Great Britain (as much as 7.9 hr. at Oldenburg and 7.0 hr. at Rhyll), but small elsewhere. Rain has fallen in the extreme northern and north-western districts - rather heavily in the Shetlands and Hebrides.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The low pressure system over the Spanish Peninsula has apparently ceased spreading northwards. Cyclonic areas are now appearing off the Scotch and Norwegian coasts and the S.W. winds prevailing in the north seem likely to become more general. For the present, however, anticyclonic conditions are likely to hold over our southern districts; frost is probable to-night at many inland stations.

## FORECASTS \*

For the 24 hours ending at NOON on 6<sup>th</sup> March, 1902.

### DISTRICTS.

### FORECASTS.

0	{ SCOTLAND NORTH	W <sup>st</sup> S.W. winds freshening; dull, some rain.
1	{ SCOTLAND EAST	S.W. winds, light or moderate; fair generally. Mildest.
2	{ ENGLAND N.E.	
3	{ ENGLAND EAST	E <sup>st</sup> to variable or S.W. breezes; foggy or misty in most places. Frost inland to-night.
4	{ MIDLAND COUNTIES	
5	{ ENGLAND SOUTH	

### DISTRICTS.

### FORECASTS.

6	{ SCOTLAND WEST	S.W. winds freshening; dull. Some rain.
7	{ ENGLAND N.W.	Same as Nos. 1 & 2.
8	{ ENGLAND S.W.	E <sup>st</sup> winds, falling light; fair generally, but foggy in places.
9	{ IRELAND NORTH	Same as No. 6.
10	{ IRELAND SOUTH	S <sup>st</sup> winds, light or moderate; fair at first, some rain later.
WARNINGS		None issued.

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

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



# ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.				THIS MORNING 8 A.M.								PAST 24 HOURS.					
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine.	Rainfall	
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.	Hrs.	Ins.	
Clacton on Sea	*	*	*	*	*	*	*	*	*	*	f	*	f	39	33	0.0	—	
Newton Reigny (Penrith)	29.98	44	SE	c	30.03	+0.09	39	36	-7	20	bc	*	cm	49	34	4.5	—	
Bath	30.04	46	E	b	30.08	+0.02	39	37	-4	NE 1	0	*	b	54	36	0.7	—	

## 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	39	m	0.5	—	Worthing				1.7	
Birmingham, 9 p.m.	48	37	b	1.4	—	Llandudno				7.9	
Lowestoft, 6 p.m.	40	30	f	0.0	—	Rhyl				7.0	
Hastings				2.6		Southport, 9 p.m.	52	39	o, c	1.1	—
Eastbourne				0.0		Manchester, 9 p.m.	51	39	b	1.8	—
Brighton	*	*	*	2.5	*	Darwen, 9 p.m.	48	37	b, c, m	0.4	—

TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. ~~yesterday~~ on Monday - 3rd.

STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal)	57	52	o	0.12	Algiers	68	52	c	0.04
Madrid	54	30	bc	—	Tunis	72	46	o	—
Corsica (I. Sanguinaires)	57	54	f	—	Vienna	55	41	c	bc
Rome	64	44	c	—	St. Petersburg	34	30	o	—
Florence	59	39	b	—	MARCH 3				Measured 7 a.m.
Trieste	61	46	bc	—	Lugano	50	—	b	—
Brindisi	62	52	o	—	Davos	37	—	b	—
Naples	63	52	o	—	Lucerne	45	—	o	0.24
Palermo	68	50	o	0.04	Lausanne	45	—	b	—

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

5 Mar. 1902	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	6.34	12.5	5.36
Greenwich	6.40	12.12	5.44
Wick	7.0	12.24	5.48
Valencia	7.22	12.53	6.24

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 6<sup>th</sup> March 1902  
 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.	Rainfall.		
At 32° and M.S.L.	Dry Bulb.	Dirac.	Force (0 to 12.)	At 82° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dirac.	Force (0 to 12.)	Weather.	Max.	Min.	Hours	Ins.						
Ins.	Ins.	°	°	Ins.	Ins.	°	°	Ins.	Ins.	°	°	Ins.	Ins.	Hours	Ins.						
SCANDINAVIA.	Haparanda ...	29.96	16	NE	2	S	29.92	-0.54	18	17	+6	SSE	2	S	*	S	19	1	*	0.08	
	Hernösand ...	29.85	25	Z	0	0	29.64	-0.43	22	20	-1	Z	0	f	*	0	36	19	*	0.08	
	Stockholm ...	30.02	36	Z	0	0	29.82	-0.32	36	34	+4	SW	2	0	*	0	36	25	*	0.20	
	Wisby ...	30.13	35	S	6	b	29.93	-0.29	35	33	+2	SW	6	0	*	b	39	28	*	0.12	
	Karlstad ...	29.94	34	SSW	4	f	29.84	-0.21	34	34	+1	SSW	2	f	*	f	*	*	*	—	
	Færder (X'ania Fjord) ...	29.94	34	SW	5	m	29.81	-0.24	34	33	+1	W	4	0	3	m	34	32	*	0.12	
	Bodö ...	29.61	29	ENE	4	c	29.45	-0.43	32	30	+6	ENE	4	S	1	c	32	23	*	—	
	Christiansund ...	29.77	41	WSW	4	0	29.64	-0.09	40	39	0	WSW	6	+	4	0	43	34	*	0.20	
Skudesnaes ...	29.91	40	SSW	4	f	29.88	-0.14	40	39	+3	SSW	2	0	3	f	40	36	*	*		
BRITISH ISLANDS.	Sumburgh Head ...	29.77	43	WSW	3	0	29.69	+0.03	43	43	+1	WSW	4	+	4	c, 0	48	41	*	0.23	
	Stornoway ...	29.85	46	WSW	2	0	29.45	-0.02	45	44	+1	SW	3	+	3	0	49	38	2.0	0.12	
	Malin Head ...	29.97	45	W	2	0	29.91	-0.02	45	45	0	SW	4	of	2	of 2, 0	44	44	*	0.08	
	Blacksod Pt. ...	30.01	47	SW	3	0	29.97	0.00	48	47	+2	SW	4	c	4	om, 0	48	46	*	0.01	
	Valencia ...	30.03	47	WSW	1	cm	30.05	+0.03	44	42	+4	Z	0	om	3	bc, cm	53	38	7.4	—	
	Roche's Point ...	30.07	43	SE	3	0	30.05	+0.01	37	36	-8	NW	2	f	3	0	46	35	*	—	
	Parsonstown ...	30.03	48	SE	2	c	30.04	+0.01	38	38	+1	SE	1	of	*	c	55	35	6.1	—	
	Donaghadee ...	30.03	48	W	1	c	30.00	0.00	42	41	-1	W	2	0	2	c	50	40	*	—	
Liverpool Obsy. ...	30.08	38	ESE	1	b	30.05	-0.03	33	33	-3	Z	0	f	?	0, b, f	44	32	*	0.01		
Holyhead ...	30.05	42	Z	0	cm	30.04	-0.02	40	40	-2	Z	0	f	0	cm	48	35	*	—		
Pembroke (St. Ann's) ...	30.03	45	ESE	2	m	30.01	-0.02	39	37	0	ENE	3	bm	3	m	49	36	5.3	—		
GERMANY, &c.	Scilly (St. Mary's) ...	29.97	48	E	5	c	29.99	+0.05	44	42	-3	ENE	1	bm	4	c	50	41	8.9	—	
	Jersey (St. Aubins) ...	29.99	50	ENE	4	bm	30.02	+0.01	39	34	-2	W	1	bm	1	b, bm, w	55	35	10.2	—	
	Portland Bill ...	30.03	42	E	3	bm	30.02	-0.03	40	39	+3	ENE	1	bm	2	bm	46	37	*	—	
	Dungeness ...	30.08	43	E	3	b	30.06	-0.04	45	44	+1	Z	0	b	1	b	46	34	*	—	
	Wick ...	29.84	45	SE	1	0	29.76	+0.02	43	42	-1	S	1	c	1	0	49	41	*	0.06	
	Nairn ...	29.90	46	SW	1	c	29.81	+0.04	44	43	-3	W	2	c	1	c	52	41	*	0.06	
	Aberdeen ...	29.92	46	NW	1	bc	29.85	-0.01	44	43	+1	SW	1	otg	1	c, bc	53	40	1.6	0.04	
	Leith ...	29.97	47	SW	2	0	29.90	0.00	46	44	0	SW	2	om	*	0	52	44	*	—	
North Shields ...	30.01	47	Z	0	bm	29.95	-0.03	39	38	+3	SW	2	cm	2	om, bm	49	35	*	—		
FRANCE.	Spurn Head ...	30.05	41	SSE	3	bc	30.01	-0.09	37	36	+5	NW	1	m	1	bc	44	31	*	—	
	Yarmouth ...	30.09	41	SSE	2	bm	30.03	-0.07	37	36	+5	S	1	b	2	bm	43	31	*	—	
	Loughborough ...	30.07	47	SE	1	b	30.06	-0.06	27	27	-4	WNW	1	of	*	of, b, cf	54	25	*	—	
	Oxford ...	30.10	35	E	1	b	30.09	-0.04	28	28	-4	Z	0	f	*	b, f	43	27	*	—	
	London (Brixton) ...	30.08	42	ESE	1	f	30.07	-0.05	32	32	-2	Z	0	f	*	gf, bc, f	47	32	1.6	—	
	The Scaw (Skagen) ...	30.01	37	WSW	3	m	29.91	-0.11	37	37	+2	W	3	f	1	m	41	34	*	—	
	Fanö ...	30.15	33	SSW	2	b	30.05	-0.18	35	34	+3	SSW	2	m	*	b	36	32	*	—	
	Cuxhaven ...	30.21	38	S	1	b	30.11	-0.16	32	31	+1	SW	1	b	*	b	39	30	*	—	
The Helder ...	30.15	40	SE	1	b	30.07	-0.10	32	32	-3	SSW	1	m	0	b	46	32	*	—		
SPAN. PEN.	Brussels ...	*	*	*	*	*	30.11	-0.05	40	36	+2	SE	2	b	*	b	56	36	*	—	
	Berlin ...	30.31	36	SSE	1	b	30.20	-0.15	31	30	-1	SSE	2	b	*	b	41	30	*	—	
	Frankfurt ...	30.22	42	ESE	2	b	30.21	-0.05	32	30	-2	E	2	b	*	b	52	30	*	—	
	Munich ...	30.24	33	SE	3	b	30.19	-0.02	26	26	+2	E	3	b	*	b	45	24	*	—	
	C. Gris Nez ...	30.05	41	E	2	c	30.06	-0.04	42	41	+6	ESE	1	b	1	c	52	36	*	—	
	Brest ...	29.92	51	Z	0	bc	30.02	+0.12	40	37	-1	ENE	1	b	1	bc	61	37	*	—	
	Lorient ...	29.93	51	SE	2	bc	29.98	+0.09	42	41	0	ESE	3	c	2	bc	57	39	*	—	
	Rochefort ...	29.90	54	E	2	bc	29.97	+0.09	44	42	+4	E	3	b	*	bc	63	40	*	—	
Biarritz ...	29.91	56	S	3	0	29.95	+0.14	51	47	+6	E	1	c	0	0	61	45	*	—		
SPAN. PEN.	Paris ...	30.06	50	E	2	b	30.07	-0.01	36	34	+2	SE	1	b	*	b	59	34	*	—	
	Belfort ...	30.08	42	ENE	3	b	30.13	0.00	33	31	+4	NE	3	m	*	b	49	29	*	—	
	Lyons ...	30.06	50	ESE	1	b	30.17	+0.07	41	40	+6	N	1	b	*	b	56	35	*	—	
	Nice ...	30.07	49	Z	0	b	30.13	+0.07	44	35	0	NE	4	bc	2	b	57	39	*	—	
	Perpignan ...	30.01	52	SSE	1	0	30.06	+0.13	41	41	-3	SSE	1	bc	*	0	60	38	*	—	
	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. in (curt) † Observations received too late for insertion in Charts on next page.



# DAILY WEATHER REPORT

## WEATHER CHARTS

1902

WASH FOR

Thursday, 6<sup>th</sup> March,

1902

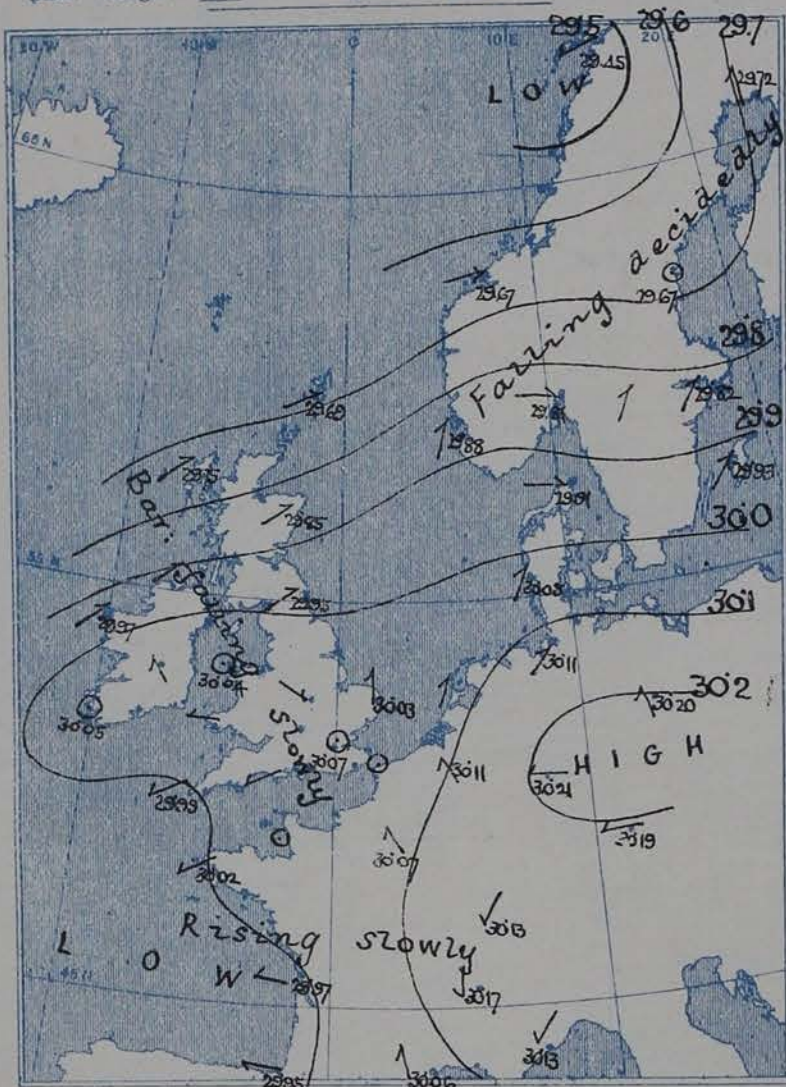
### I. BAROMETER, WIND AND SEA. This Morning.

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

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

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

**SEA.**—Rough : High

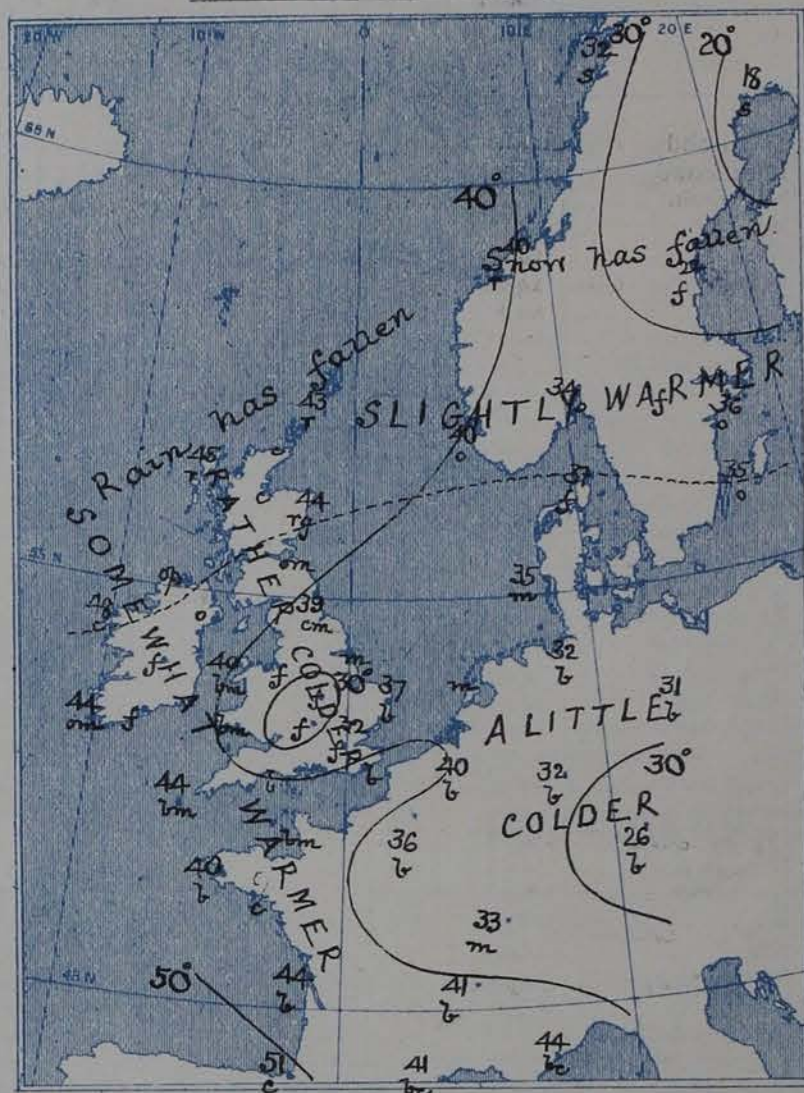


### II. TEMPERATURE AND WEATHER. This Morning.

**TEMPERATURE.**—Isotherms are drawn for each 10°.

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

**RAINFALL.**—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.8



### III. BAROMETER AND WIND

Yesterday morning.



### IV. EXTREMES OF TEMPERATURE

in month of MARCH (1871-1900)

Specimen { Highest Max., 64  
(for Shields) { Lowest Min., 15

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



### V. Means of DAILY TEMPERATURE

at 8 A.M. for the Two monthly period

FEBRUARY-MARCH (1871-1900.)





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

An anticyclone still lies over all the more southern parts of our area, the highest readings, 30.2 in. and upwards, being at present found over Germany. A cyclonic system, with minimum readings below 29.5 in. is, however, found off the northern part of the Norwegian coast and further disturbances are apparently advancing towards the same region from the Atlantic. The barometer is falling at all but the French stations, where a slight rise is still in progress, but in our islands the change is at present very gradual.

## WIND

## TEMPERATURE

## WEATHER

## AND

## SEA

The wind remains light from the Eastward over the Channel and the Bay of Biscay, as well as in Belgium and Germany, but is very variable in Central France; calms are reported over North Wales and the central parts of England. On all our more northern coasts and in Scandinavia and Denmark the wind is chiefly S.W. - light in force in most places, but strong at Christiansund. Temperature has risen over Western Europe as a whole, but has fallen in the inland parts of Great Britain. Frost prevails over Central England and also in Holland and Germany, the lowest morning temperatures reported in our islands being 27° at Loughborough and 28° at Oxford. In Scotland and the north and west of Ireland the thermometer ranges in most places between 40° and 45°, but at Clith it touches 46°, while at Blackhead Point it is as high as 48°. Fog is again very prevalent over the inland parts of England and also in the south of Ireland, but on our south and east coasts the weather has cleared; the weather is also fine in France, Germany and the Netherlands. In all the more northern parts of our area the sky is cloudy or overcast, with rain in the north of Scotland and at Christiansund, and snow at Bodø and Haparanda. The sea is slight or smooth generally.

During yesterday the thermometer rose to between 50° and 55° at many of our northern and central stations. In France it exceeded 55°, the highest maxima reported being 63° at Rochefort and 61° at Brest. The amount of bright sunshine was large on our west and south-west coasts, more than 7 hours being recorded in several places and more than 10 hours at Jersey; in the north and inland districts it was much smaller.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone continues to move southwards and is decreasing in intensity. The changes are, however, very gradual, and although the S.W. current in the north is likely to become rather more general, there are at present no signs of any important alteration in the weather.

## FORECASTS \*

For the 24 hours ending at NOON on 7<sup>th</sup> March, 1902

### DISTRICTS.

### FORECASTS.

0	{ SCOTLAND NORTH	SW <sup>3</sup> winds, freshening; unsettled, rain at times.
1	{ SCOTLAND EAST	SW <sup>3</sup> winds, moderate; drizzle, some rain.
2	{ ENGLAND N.E.	SW <sup>3</sup> winds, light; fair generally.
3	{ ENGLAND EAST	Light variable airs; fine in places, but mostly foggy or misty. Frost inland tonight.
4	{ MIDLAND COUNTIES	
5	{ ENGLAND SOUTH	

### DISTRICTS.

### FORECASTS.

6	{ SCOTLAND WEST	Same as No. 0
7	{ ENGLAND N.W.	Same as No. 2.
8	{ ENGLAND S.W.	E <sup>3</sup> to variable breezes; fair generally, but foggy in places.
9	{ IRELAND NORTH	Same as No. 0
10	{ IRELAND SOUTH	Variable breezes, finally S <sup>3</sup> , fair generally.
WARNINGS		— None Issued. —

Note.—The South Cone, point downwards (  $\nabla$  ), 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. Inch.	Temp. °	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Inch.
					Inch.	Change.	Dry.	Wet.	Change.					Max.	Min.		
Clacton-on Sea	30.03	42	NW 1	c	29.99	-0.04	35	35	-2	ESE 1	cm	*	cm	41	32	4.5	—
Newton Reigny (Penrith)	30.03	42	NW 1	c	29.99	-0.04	35	35	-2	ESE 1	cm	*	cm	51	30	5.0	—
Bath	30.06	40	NE 1	o	30.05	-0.03	29	29	-8	NE 1	f	*	o	50	29	0.3	—

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Inch.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Inch.
	Max.	Min.					Max.	Min.			
Harrogate, 6 p.m.	48	32	m, c	3.8	—	Worthing	*	*	*	9.6	—
Birmingham, 9 p.m.	54	32	b	4.6	—	Llandudno	*	*	*	8.8	—
Lowestoft, 6 p.m.	47	31	b	7.7	—	Rhyl	*	*	*	6.8	—
Hastings	*	*	*	7.7	*	Southport, 9 p.m.	48	35	c	4.3	—
Eastbourne	*	*	*	6.9	*	Manchester, 9 p.m.	55	33	bm	5.3	—
Brighton	*	*	*	9.3	*	Darwen, 9 p.m.	53	33	c, w	5.1	—

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

STATIONS.	TEMPERATURE F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal)	64	48	r	0	Algiers	63	54	c	Ins.
Madrid	59	48	f	0.12	Tunis	63	48	m	—
Corsica (I. Sanguinaires)	59	40	f	—	Vienna	45	32	o	—
Rome	57	40	f	—	St. Petersburg	25	3	s	—
Florence	52	35	b	—	4 March.				Measured 7 a.m.
Trieste	55	41	c	—	Lugano	52	—	b	—
Brindisi	57	47	c	—	Davos	32	—	b	—
Naples	55	46	b	0.04	Lucerne	41	—	o	—
Palermo	64	42	bc	—	Lausanne	39	—	bc	—

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

6 March, 1902	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	6.32	12.5	5.38
Greenwich	6.38	12.12	5.46
Wick	6.57	12.24	5.50
Valencia	7.20	12.53	6.26

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 7<sup>th</sup> March

1902

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

STATIONS.	YESTERDAY EVENING. (See note on last page.)						THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
	BAROM.	TEMP.	WIND.		Weather.		BAROMETER.	TEMPERATURE.				WIND.		Sea (0 to 9.)	Weather.	TEMP.		Sun- shine. Hours	Rainfall. Ins.		
	At 32° and M.S.L.	Dry Bulb.	Dirac.	Force (0 to 12.)			At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dirac.	Force (0 to 12.)			Max.	Min.				
	Ins.						Ins.	Ins.	°	°											
SCANDINAVIA.	Haparanda ...	29.57	20	SE	2	o	29.45	+03	13	12	-5	NE	2	b	*	23	7	*	0.08		
	Hernösand ...	29.53	31	Z	0	f	29.51	-16	24	23	+2	Z	0	f	*	37	21	*	—		
	Stockholm ...	29.68	35	W	2	o	29.50	-32	35	34	-1	WSW	2	s	*	37	34	*	—		
	Wisby ...	29.45	36	S	4	o	29.56	-37	36	35	+1	SW	4	+	*	39	28	*	0.12		
	Karlstad ...	29.66	34	SW	2	o	29.55	-29	34	33	0	NW	2	o	*	*	*	*	—		
	Færder (X'ania Fjord)	29.68	35	WSW	4	o	29.61	-20	32	32	-2	N	4	m	2	o	37	32	*	—	
	Bodö ...	29.41	34	ENE	4	o	29.60	+15	25	24	-7	ENE	5	b	2	o	37	23	*	—	
	Christiansund ...	29.68	38	WSW	5	+	29.43	+06	37	36	-3	N	2	o	+	41	37	*	0.24		
BRITISH ISLANDS.	Skudesnaes ...	29.44	40	SW	4	+	29.42	-16	38	37	-2	NNW	4	b	2	+	41	36	*	*	
	Sumburgh Head	29.69	43	N	1	o	29.86	+17	39	37	-4	N	1	b	3	+	46	36	*	0.20	
	Stornoway ...	29.48	47	WNW	3	+	29.90	+15	41	40	-4	NW	2	c	2	d, +	50	38	0.0	0.04	
	Malin Head ...	29.89	36	W	5	tm	29.95	+04	46	46	+1	WNW	2	fd	2	o, tm	47	45	*	0.13	
	Blacksod Pt. ...	29.99	49	WSW	3	c	30.02	+05	47	46	-1	Z	0	em	2	c	50	46	*	0.02	
	Valencia ...	30.02	45	Z	0	bm	30.04	-01	34	33	-10	NE	1	bm	3	om, bm	47	32	0.6	—	
	Roche's Point ...	30.02	43	SE	1	b	30.03	-02	41	40	+4	NW	3	o	2	c, b	44	36	*	—	
	Parsonstown ...	30.01	48	NW	1	c	30.04	00	40	40	+2	SE	1	om	*	c	50	35	1.5	—	
GERMANY, &c.	Donaghadee ...	29.95	49	W	2	c	29.96	-04	48	47	+6	WNW	2	og	2	c	50	40	*	0.01	
	Liverpool Obsy.	30.02	42	WSW	1	b	29.96	-09	43	43	+10	WSW	3	f	?	f, bm	48	33	*	—	
	Holyhead ...	30.00	43	SW	1	f	29.98	-06	45	45	+5	W	2	f	1	c, f	47	38	*	—	
	Pembroke (St. Ann's)	29.98	40	N	3	f	29.98	-03	42	39	-3	NNE	2	b	3	f	48	38	2.2	—	
	Scilly (St. Mary's)...	29.96	48	NNE	2	b	29.94	-05	42	40	-2	N	3	f	2	b	53	40	9.6	—	
	Jersey (St. Aubins)...	29.97	49	ESE	1	bm	29.96	-06	47	43	+8	SE	1	bm	1	bm, w	53	36	10.1	—	
	Portland Bill ...	29.98	48	Z	0	bm	29.96	-06	43	42	+3	NNW	1	bm	2	bm	50	40	*	—	
	Dungeness ...	29.97	44	Z	0	bc	29.93	-13	36	36	-9	NW	1	f	1	bc	52	36	*	—	
FRANCE.	Wick ...	29.83	42	W	1	+	29.89	+13	42	41	-1	E	1	c	0	+	49	40	*	0.15	
	Nairn ...	29.76	50	WSW	3	o	29.91	+10	45	42	+1	W	1	c	1	o	55	41	*	0.03	
	Aberdeen ...	29.45	51	W	1	c	29.90	+05	43	42	-1	NW	2	c	1	cp, c, +	53	42	2.0	0.03	
	Leith ...	29.84	47	WSW	4	o	29.90	00	44	43	-2	WSW	1	bm	*	o	52	42	*	—	
	North Shields ...	29.89	48	WSW	2	o	29.86	-09	46	45	+7	W	3	o	2	o	50	37	*	—	
	Spurn Head ...	29.93	45	WNW	3	m	29.90	-11	42	41	+5	WNW	3	om	2	m	48	32	*	—	
	Yarmouth ...	29.94	46	N	1	b	29.87	-16	39	38	+2	W	2	b, cf	2	b	50	35	*	—	
	Loughborough ...	29.97	46	W	2	c	29.94	-12	44	43	+17	W	2	cm	*	f, cm, om	55	27	*	—	
GERMANY, &c.	Oxford ...	30.00	41	Z	0	b	29.97	-12	36	35	+8	WSW	1	o	*	b	56	27	*	—	
	London (Brixton)	30.00	39	Z	0	f	29.95	-12	32	32	0	WSW	2	bf	*	gf	45	30	0.0	—	
	The Scaw (Skagen)	29.76	39	W	2	+	29.58	-33	38	38	+1	NW	2	+	0	+	41	36	*	0.08	
	Fanö ...	29.80	36	SSW	2	o	29.69	-36	36	36	+1	W	2	+	*	o	39	35	*	0.08	
	Cuxhaven ...	29.97	42	SW	1	o	29.74	-37	39	38	+7	WSW	3	o	*	o	46	32	*	0.08	
	The Helder ...	29.94	41	SW	1	o	29.82	-25	40	39	+8	W	1	m	1	o	48	32	*	—	
	Brussels ...	*	*	*	*	*	29.91	-20	39	38	-1	SW	2	c	*	b	40	36	*	—	
	Berlin ...	29.97	42	SSW	1	b	29.79	-41	37	35	+6	SSW	1	o	*	b	50	31	*	—	
FRANCE.	Frankfurt ...	30.04	41	WSW	1	b	29.93	-28	33	32	+1	SW	2	b	*	b	57	32	*	—	
	Munich ...	30.06	36	E	1	b	29.94	-25	32	31	+6	SW	1	b	*	b	46	26	*	—	
	C. Gris Nez ...	30.02	45	ESE	1	b	29.93	-13	41	40	-1	SSW	1	o	1	b	52	37	*	—	
	Brest ...	29.98	56	ENE	1	b	29.94	-08	42	40	+2	ENE	2	b	1	b	64	40	*	—	
	Lorient ...	29.96	50	Z	0	b	29.91	-07	43	42	+1	E	2	b	2	b	59	41	*	—	
	Rochefort ...	29.91	57	ESE	3	c	29.90	-07	42	40	-2	SE	3	b	*	c	63	39	*	—	
	Biarritz ...	29.87	55	NE	3	c	29.85	-10	48	45	-3	ESE	3	o	1	c	59	45	*	—	
	Paris ...	30.00	52	SW	1	b	29.95	-12	31	31	-5	N	1	b	*	b	60	31	*	—	
SPAN. PEN.	Belfort ...	30.02	?	ENE	?	?	29.96	-17	33	31	0	Z	0	m	*	?	59	31	*	—	
	Lyons ...	30.04	51	SW	1	b	29.99	-18	37	36	-4	N	1	b	*	b	60	35	*	—	
	Nice ...	30.03	51	ENE	5	b	29.92	-21	45	39	+1	ENE	5	c	4	b	55	34	*	—	
	Perpignan ...	29.99	52	ESE	3	o	29.87	-19	48	47	+7	Z	0	o	*	o	61	41	*	—	
SPAN. PEN.	Corunna ...																				
	Lisbon ...	29.73	54	N	4	+	29.78	+06	54	51	+2	N	2	o	*	+	59	54	*	—	
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, 7<sup>th</sup> MARCH, 1902

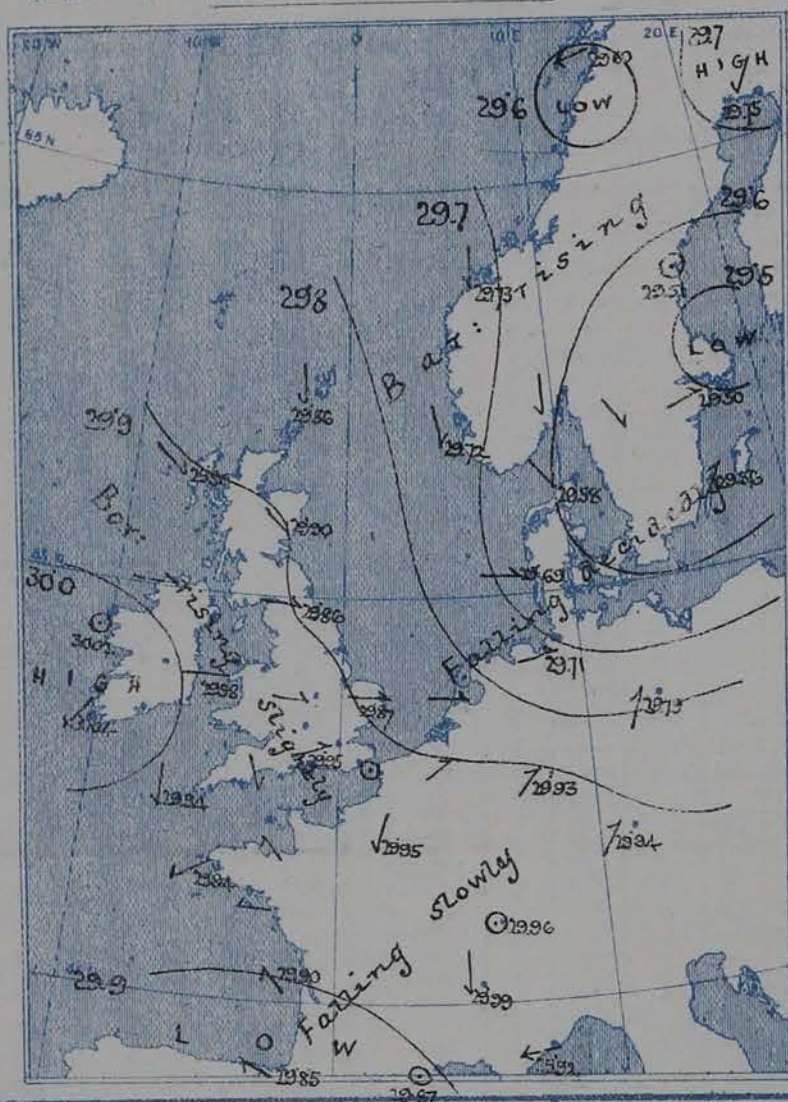
## I. BAROMETER, WIND AND SEA. This Morning.

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

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

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

SEA.—Rough : High :



## II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

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

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



## III. BAROMETER AND WIND

Yesterday morning.



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

Specimen { Highest Max, 64  
(for Shields) { Lowest Min, 15

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



## V. Means of DAILY TEMPERATURE

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





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The anticyclone recently noticed over our area has almost entirely dispersed, the remnant of the system being situated this morning over Ireland, where the highest readings, 30.0 ins. and upwards, are found. The lowest pressures, 29.5 ins. and less, are found in a cyclonic area with its centre over the southern part of the Gulf of Bothnia. This system is apparently moving south-eastwards and is occasioning a fall of the barometer at most of the Continental stations; in the north of Scandinavia, however, the mercury is rising again, a slight rise being reported also in most parts of the United Kingdom.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is light from the Westward or North-westward over the greater part of our islands and also over Denmark and the Netherlands, and from the South-westward in Germany and the south of Sweden; in the north of Scandinavia it is N.E. On our own south-west coasts it is N.W. and in the west and south of France E.W. Temperature has risen considerably over central England (as much as 17° at Loughborough), but has changed very irregularly elsewhere. Over the United Kingdom generally the thermometer is rather high for the time of year, but at some of our southern stations it is still low, the lowest readings reported being 32° in London, 33° at Bath and 34° at Valencia. Slight frost prevails in some parts of Central France and South Germany and sharp frost in the north of Scandinavia, the thermometer at Haparanda standing at 13°. Fog still prevails at many of the English stations and cloudy weather in most other parts of North-western Europe; rain is falling in some parts of Ireland and also in Denmark and the South of Sweden, and snow at Stockholm. Over France and South Germany and also in the north of Scandinavia the weather is fine. The sea is slight or smooth generally. During yesterday the thermometer rose to 50° and upwards in many parts of the United Kingdom and to 57° at Bath; in London, where continuous fog prevailed, it did not exceed 45°. On our west and south coasts the amount of bright sunshine was very large, more than 9 hrs. being registered in many places and as much as 10.3 hrs. at Littlestone-on-Sea; in London there was none. Slight rain fell on our extreme north and north-west coasts.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone, a portion of which lies over Ireland, seems likely to extend eastwards again and fair weather is therefore probable over the greater part of the Kingdom, with, however, fog or mist in places. The cyclonic system over the Gulf of Bothnia is likely to travel away across Russia.

## FORECASTS \*

For the 24 hours ending at NOON on 8<sup>th</sup> March, 1902

### DISTRICTS.

### FORECASTS.

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

NW<sup>2</sup> to N<sup>2</sup> winds, light, fair generally.  
Colder.

W<sup>2</sup> to NW<sup>2</sup> winds, light, fair generally,  
but misty or foggy in places.

Frost inland to night.

### DISTRICTS.

### FORECASTS.

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

NW<sup>2</sup> winds, light, fair generally.

Same as No. 5.


N<sup>2</sup> to NE<sup>2</sup> winds, light, fair generally, but foggy in places.


Same as No. 6.

Same as No. 8.

None issued.

### WARNINGS

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

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

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



# ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.				THIS MORNING 8 A.M.							PAST 24 HOURS.					
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet. °	Change.					Max. °	Min. °		
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	b	*	b	46	33	8.8	—
Newton Reigny (Penrith)	29.92	45	W1	c	29.91	-.08	45	44	+10	WNW12	o	*	om	48	35	0.0	—
Bath	29.97	41	NW1	o	29.96	-.09	33	33	+4	NW1	f	*	o	57	27	5.6	—

## 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. ... ..	*	*	*	1.0	—	Worthing ... ..	*	*	*	9.6	*
Birmingham, 9 p.m. ... ..	47	29	o	0.0	—	Llandudno ... ..	*	*	*	3.9	*
Lowestoft, 6 p.m. ... ..	54	32	c	6.9	—	Rhyl ... ..	*	*	*	7.0	*
Hastings ... ..	*	*	*	10.4	*	Southport, 9 p.m. ...	46	30	of.c	2.9	—
Eastbourne ... ..	*	*	*	9.9	*	Manchester, 9 p.m. ...	50	30	o	1.0	—
Brighton ... ..	*	*	*	9.3	*	Darwen, 9 p.m. ...	49	33	om	0.0	—

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

STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.		
	Max. °	Min. °				Max. °	Min. °				
Madeira (Funchal)	<i>Information not recd</i>		<i>not recd</i>	Ins.	Algiers ... ..	<i>Information not recd</i>		<i>not recd</i>	Ins.		
Madrid ... ..					Tunis... ..						
Corsica (I. Sanguinaires) ...					Vienna ... ..						
Rome ... ..					St. Petersburg... ..						
Florence ... ..					<i>5 March - 1902</i>		<i>1 p.m.</i>				
Trieste ... ..					Lugano ... ..	<i>50</i>	—	<i>6</i>	<i>Measured 7 a.m.</i>		
Brindisi... ..					Davos ... ..	<i>36</i>	—	<i>6</i>	—		
Naples ... ..					Lucerne ... ..	<i>43</i>	—	<i>6</i>	—		
Palermo ... ..					Lausanne ... ..	<i>50</i>	—	<i>6</i>	—		

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

7. March, 1902	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
	h. m.	h. m.	h. m.
Yarmouth ... ..	6.29	12.4	5.39
Greenwich ... ..	6.35	12.11	5.47
Wick ... ..	6.54	12.23	5.52
Valencia ... ..	7.17	12.52	6.28

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 Saturday 8<sup>th</sup> March

1902

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

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		BAROM.		TEMP.		WIND.	BAROMETER.		TEMPERATURE.				WIND.		Sea (0 to 9.)	Weather.	TEMP.		Sun- shine. Hours	Rainfall. Ins.	
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)	Weather.			Max.	Min.			
																					Ins.
SCANDINAVIA.	Haparanda ...	29.92	-1	NE	2	b	29.99	+2.4	-18	-18	-31	N	4	b	*	b	23	?	*	-	
	Hernösand ...	29.68	17	N	6	s	29.78	+2.7	10	9	-14	N	4	s	*	s	32	10	*	0.04	
	Stockholm ...	29.52	30	W	2	o	29.58	+0.8	19	18	-16	NNW	6	o	*	o	39	19	*	-	
	Wisby ...	29.47	33	SW	2	+	29.54	-0.2	24	23	-12	N	6	s	*	+	39	24	*	0.16	
	Karlstad ...	29.58	35	N	2	b	29.71	+1.6	24	22	-10	N	2	b	*	b	*	*	*	-	
	Færder (X'iania Fjord) ...	29.65	35	NW	1	b	29.66	+0.5	32	30	0	N	1	c	1	b	39	32	*	-	
	Bodö ...	29.69	27	ENE	4	o	29.71	+1.1	24	22	-1	E	4	o	1	o	28	21	*	-	
	Christiansund ...	29.76	37	WSW	2	+	29.67	-0.6	32	31	-5	SW	4	s	0	+	41	32	*	0.39	
	Skudesnaes ...	29.79	38	NNW	6	b	29.72	0.00	35	33	-3	N	2	o	2	b	43	34	*	*	
	Sumburgh Head ...	29.91	38	N	1	c	29.69	-1.7	36	35	-3	E	2	c	3	c	45	33	*	0.06	
BRITISH ISLANDS.	Stornoway ...	29.91	46	Z	0	o	29.64	-2.6	44	44	+3	SW	1	o	1	o	49	38	1.2	0.07	
	Malin Head ...	29.96	46	W	4	o	29.79	-1.6	45	45	-1	W	6	omp	3	f.o	44	44	*	0.03	
	Blacksod Pt. ...	30.04	48	WSW	3	c	29.92	-1.0	48	47	+1	WSW	4	cm	3	bc,c	50	46	*	0.01	
	Valencia ...	30.08	48	WNW	1	b	30.06	+0.2	49	48	+15	SW	3	og	3	b	51	33	9.6	-	
	Roche's Point ...	30.05	49	NW	2	b	30.06	+0.3	46	44	+5	W	3	o	2	b	53	39	*	-	
	Parsonstown ...	30.04	48	W	2	o	29.97	-0.7	45	44	+5	SW	2	o	*	o	49	39	0.0	0.01	
	Donaghadee ...	29.98	47	NW	2	o	29.89	-0.7	44	42	-4	WNW	2	og	1	o	50	41	*	0.01	
	Liverpool Obsy. ...	29.99	44	W	2	c	29.91	-0.5	42	41	-1	WSW	4	o	3	o,f,m	46	42	*	0.13	
	Holyhead ...	30.00	48	W	1	omdp	29.94	-0.4	44	43	-1	W	2	om	1	omdp	48	42	*	0.04	
	Pembroke (St. Ann's) ...	30.01	46	NW	2	m	30.00	+0.2	45	43	+3	NW	4	c	3	m	50	41	0.6	-	
GERMANY, &c.	Scilly (St. Mary's) ...	30.02	48	NNW	4	b,c	30.03	+0.9	44	46	+5	NW	3	om	2	b,b,c	50	40	7.8	-	
	Jersey (St. Aubins) ...	29.96	50	NW	3	bm	30.03	+0.7	46	44	-1	SW	3	bm	3	b,m	54	42	9.8	-	
	Portland Bill ...	29.97	47	NNW	1	cm	30.01	+0.5	44	44	+1	NW	1	om	1	cm	53	43	*	-	
	Dungeness ...	29.93	50	N	1	om	29.97	+0.4	40	40	+4	SW	1	o	1	om	51	36	*	-	
	Wick ...	29.93	42	Z	0	c	29.63	-2.6	40	40	-2	Z	0	cm	0	c	45	39	*	0.10	
	Nairn ...	29.91	45	E	1	c	29.67	-2.4	43	42	-2	SSW	1	c	0	c	49	38	*	0.04	
	Aberdeen ...	29.95	41	ESE	1	og	29.69	-2.1	42	41	-1	SSW	1	cm	1	og,t	46	40	0.1	0.03	
	Leith ...	29.92	46	ENE	1	c	29.74	-1.6	45	43	+1	SW	3	om	*	c	54	42	*	-	
	North Shields ...	29.97	43	Z	0	o	29.77	-0.9	45	44	-1	SW	2	o	2	p,c,o,p	48	40	*	-	
	Spurn Head ...	29.99	40	NNW	3	c	29.85	-0.5	42	42	0	SW	3	o	3	c	48	38	*	-	
FRANCE.	Yarmouth ...	29.91	41	N	3	cg	29.90	+0.3	39	38	0	SW	3	cm	3	cg	47	37	*	0.01	
	Loughborough ...	29.96	47	W	2	o	29.90	-0.4	46	45	+2	W	3	om	*	ac,ogm	52	42	*	-	
	Oxford ...	29.99	48	NW	1	o	29.95	-0.2	45	44	+9	SW	2	o	*	o	52	35	*	-	
	London (Brixton) ...	29.95	50	NNW	1	o	29.95	0.00	43	43	+11	WSW	2	og	*	fg,og,d	51	32	0.0	-	
	The Scaw (Skagen) ...	29.67	37	WNW	1	b	29.66	+0.8	34	33	-4	NE	1	b	0	b	39	34	*	-	
	Fanö ...	29.77	32	WNW	2	b	29.73	+0.4	36	36	0	WNW	4	o	*	b	41	32	*	-	
	Cuxhaven ...	29.74	39	NW	3	o	29.80	+0.6	37	36	-2	WNW	2	o	*	o,f	43	36	1.8	0.04	
	The Helder ...	29.84	40	N	2	o	29.89	+0.7	38	37	-2	NW	1	c	1	o	41	37	*	-	
	Brussels ...	29.84	*	*	*	+	29.97	+0.6	37	36	-2	N	1	+	*	o	51	36	*	-	
	Berlin ...	29.64	43	W	3	+	29.75	-0.4	37	35	0	NW	3	o	*	+	45	36	*	0.16	
SPAN. PEN.	Frankfurt ...	29.80	49	W	2	o	29.88	-0.5	40	39	+7	N	2	c	*	o	54	33	*	-	
	Munich ...	29.81	41	SW	3	b	29.80	-1.4	38	36	+6	SW	3	o	*	b	52	32	*	0.04	
	C. Gris Nez ...	29.93	44	ESE	1	c	29.98	+0.5	38	37	-3	SSE	1	bc	1	c	50	38	*	-	
	Brest ...	29.98	51	NNE	2	b	30.09	+1.5	43	41	+1	NE	1	c	0	b	51	41	*	-	
	Lorient ...	29.96	50	SW	1	b	30.07	+1.6	41	41	-2	ENE	1	bc	2	b	63	41	*	-	
	Rochefort ...	29.87	56	NNE	3	b	30.00	+1.0	43	42	+1	NNE	3	b	*	b	66	41	*	-	
	Biarritz ...	29.89	51	N	3	b	30.03	+1.8	49	48	+1	WSW	2	bc	1	b	59	48	*	-	
	Paris ...	29.91	52	N	2	b	29.99	+0.4	40	39	+9	N	2	o	*	b	59	31	*	-	
	Belfort ...	29.78	51	NNE	2	b	29.84	-0.9	32	31	-1	WSW	2	m	*	m	58	30	*	-	
	Lyons ...	29.86	51	NNW	1	b	29.92	-0.7	42	39	+5	N	2	b	*	b	58	37	*	-	
Nice ...	29.77	47	Z	0	o	29.60	-3.2	41	35	-4	E	2	b	2	o	54	39	*	-		
Perpignan ...	29.83	48	NW	2	o	29.77	-1.0	52	45	+4	NW	6	b	*	o	54	46	*	0.04		
SPAN. PEN.	Corunna ...																				
	Lisbon ...	29.92	54	NW	4	b	30.02	+2.4	54	50	0	NW	4	b	*	b	61	52	*	-	
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, 8<sup>TH</sup> MARCH, 1902

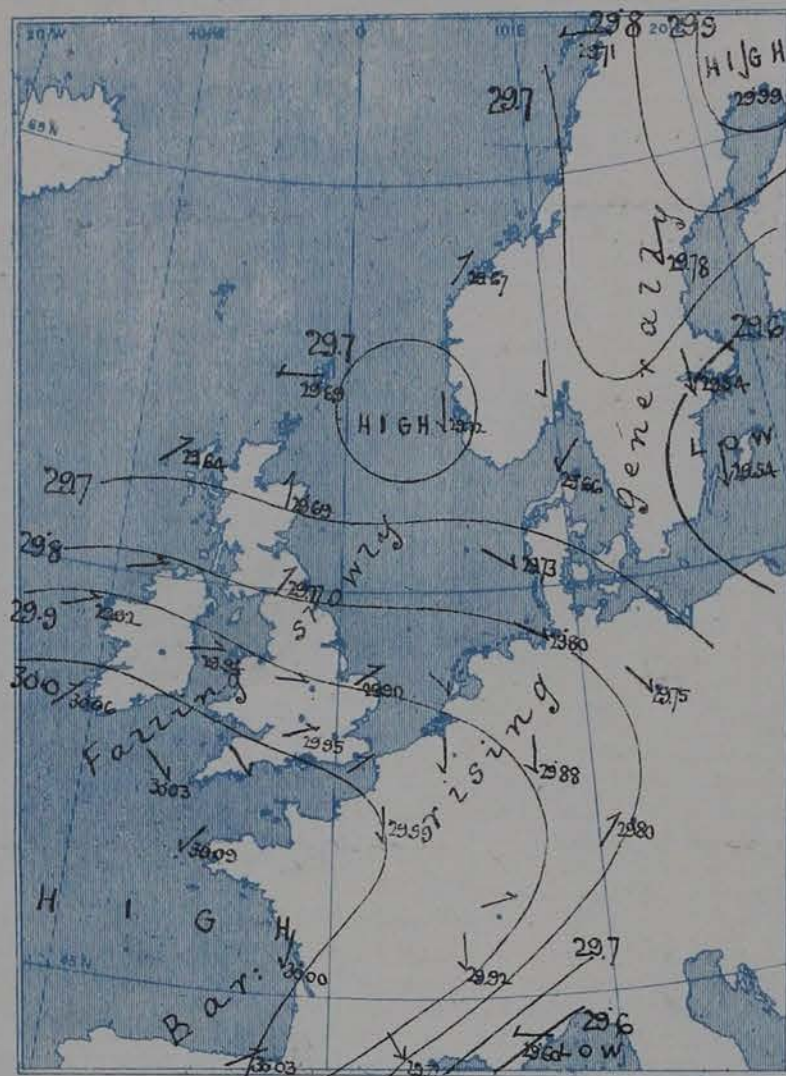
## I. BAROMETER, WIND AND SEA. This Morning.

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

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

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

SEA.—Rough  : High 

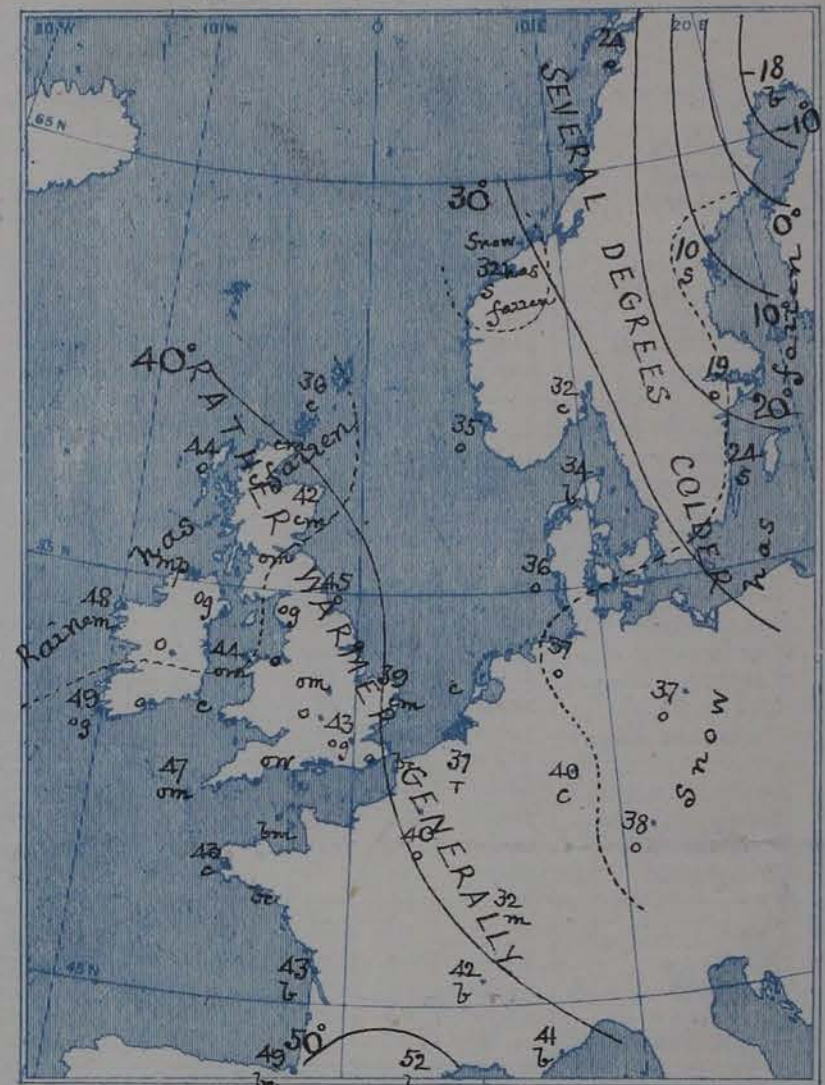


## II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

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

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



## III. BAROMETER AND WIND

Yesterday morning.



## IV. EXTREMES OF TEMPERATURE

in month of MARCH (1871-1900)

Specimen { Highest Max, 64  
(for Shields) { Lowest Min, 15

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



## V. Means of DAILY TEMPERATURE

at 8 A.M. for the monthly period

MARCH (1871-1900)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

Barometrical pressure is now highest, 30.0 in. and upwards, in an anticyclone which stretches from the Atlantic over the Bay of Biscay, the north-west of France, the Channel and the south-west of our islands; it is, however, almost equally high, 29.9 in. and upwards, over Lapland. The lowest readings, 29.6 in. and less, are found in a cyclonic system over the Gulf of Genoa, but readings are very little higher than this in the north of Scotland. The barometer is at present falling in nearly all parts of the United Kingdom, but is rising at the Continental stations.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is S.W. or W. over the greater part of the United Kingdom - light in force in most places, but strong at Malin Head; in the English Channel it draws into North-west, while in the north and west of France it is chiefly N. North-easterly breezes, moderate to strong in force, are reported also in Sweden, but on the Norwegian coasts the wind is rather variable. In the region embraced by the southern anticyclone the thermometer has risen and over our islands generally it is now above the average, the readings being above 40° in nearly all places and above 45° at several of our south-western stations. In Scandinavia the thermometer has again fallen considerably below the freezing point, the lowest readings reported being -18° at Haparanda and -10° at Hernösand. The weather is cloudy or dull over North-western Europe generally, with mist in several parts of the United Kingdom, passing showers at Malin Head and steady rain at Brussels; snow is falling at Hernösand and Umeå. In the west and south of France the weather is at present fine. The sea is slight or smooth generally. During yesterday the thermometer rose to 50° and upwards in many parts of the United Kingdom and to 57° at Jersey; readings above 55° were recorded also at several of the French stations, the thermometer at Rochefort rising to 66°. The amount of bright sunshine was large on our south-west coasts (more than 9 hours at Valencia and Jersey) but small elsewhere; at many of the English stations there was none. A little rain has fallen over the northern parts of the United Kingdom generally.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The southern anticyclone is moving southwards and cyclonic systems are likely to appear shortly off our extreme north and north-west coasts. Increasing S.W. winds are therefore probable in those regions, and cloudy, damp weather is likely to continue over the United Kingdom generally.

## FORECASTS \*

For the 24 hours ending at NOON on 9<sup>th</sup> March, 1902

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	SW <sup>2</sup> winds, freshening; dull. Some rain.
1	SCOTLAND EAST	SW <sup>2</sup> winds, light or moderate; fair at first, some rain later.
2	ENGLAND N.E.	
3	ENGLAND EAST	SW <sup>2</sup> & W <sup>2</sup> winds, light; cloudy, slight rain in places. Milder.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	Same as No. 0.
7	ENGLAND N.W.	
8	ENGLAND S.W.	W <sup>2</sup> or SW <sup>2</sup> winds, moderate; dull, misty, slight rain locally.
9	IRELAND NORTH	SW <sup>2</sup> winds, increasing in force; dull. Some rain.
10	IRELAND SOUTH	

### WARNINGS

None Issued.

Note.—The South Cone, point downwards (  $\nabla$  ), 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 (  $\nabla$  ), 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.	Rain/fall
					Ins.	Change	Dry.	Wet.	Change					Max.	Min.	Hrs.	Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	f	*	c, 0	50	39	2.3	—
Newton Reigny (Penrith)	29.94	46	Z 0	c	29.83	-0.8	41	40	-4	WSW 3	0	*	c, 0.3, od	55	41	5.0	0.02
Bath	29.98	39	NW 1	0	29.98	+0.2	47	46	+14	W 1	og	*	0	55	32	3.8	—

## 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.	53	41	c	1.5	—	Worthing	*	*	*	4.1	*
Birmingham, 9 p.m.	50	39	0	0.0	—	Llandudno	*	*	*	0.0	*
Lowestoft, 6 p.m.	49	36	0.2	0.0	—	Rhyl	*	*	*	0.0	*
Hastings	*	*	*	3.8	*	Southport, 9 p.m.	45	41	od, 0	0.0	0.02
Eastbourne	*	*	*	4.6	*	Manchester, 9 p.m.	48	41	om	0.3	—
Brighton	*	*	*	3.8	*	Darwen, 9 p.m.	47	39	of	1.3	0.04

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

STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal)	63	46	b c	Ins.	Algiers	77	54	0 0	0.12
Madrid	*	*	*	—	Tunis	63	54	0 8	—
Corsica (I. Sanguinaires)	59	46	f. f.	—	Vienna	43	28	b 6	—
Rome	55	38	c 0	—	St. Petersburg	30	5	5 0	0.16
Florence	55	39	b 0	—	6 Mar. 1902				Measured 7 a.m.
Trieste	54	37	b b	—	Lugano	52	—	b	—
Brindisi	53	44	b b	—	Davos	39	—	b	—
Naples	55	41	c b	—	Lucerne	48	—	b	—
Palermo	62	43	b m	—	Lausanne	45	—	b	—

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

8. Mar. 1902	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	h. m. 6.26	h. m. 12.4	h. m. 5.41
Greenwich	6.33	12.11	5.49
Wick	6.51	12.23	5.54
Valencia	7.15	12.52	6.30

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

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

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



# DAILY WEATHER REPORT

for 8 a.m. on Sunday 9<sup>th</sup> March 1902  
 Issued by the Meteorological Office, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather.	Barometer.		Temperature.			Wind.		Sea (0 to 9.)	Weather.	Temp.		Sun- shine Hours	Rainfall Ins.		
				Dirac.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)			Max.	Min.				
																				At 32° and M. S. L.	Dry Bulb.
Ins.		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.		
SCANDINAVIA.	Haparanda	29.93	-15	N	2	b	29.75	-24	-27	-29	-9	N	2	b	*	b	3	-27	*	-	
	Hernösand	29.73	5	NE	2	o	29.67	-11	5	4	-5	N	2	c	*	o	21	5	*	-	
	Stockholm	29.65	13	NNW	4	o	29.48	-10	13	12	-6	N	4	c	*	o	30	10	*	-	
	Wisby	29.62	21	N	6	o	29.42	-12	22	21	-2	N	4	s	*	o	39	18	*	-	
	Karlstad	29.60	23	NE	2	o	29.52	-19	15	14	-9	NE	2	t	*	o	*	*	*	-	
	Färder (X'ania Fjord)	29.53	33	SE	4	o	29.45	-21	20	20	-12	ENE	6	s	2	o	34	19	*	-	
	Bodö	29.67	21	ENE	4	bc	29.62	-09	14	13	-10	ENE	4	b	1	bc	25	12	*	-	
	Christiansund	29.52	31	ESE	2	c	29.56	-11	25	24	-7	ESE	2	b	4	c	32	25	*	0.08	
Skudesnaes	29.50	36	WSW	4	o	29.39	-33	32	30	-3	NE	2	o	2	o	39	30	*	*		
BRITISH ISLANDS.	Sumburgh Head	29.36	35	ESE	3	+	29.57	-12	33	31	-3	NE	1	b	4	+	38	31	*	0.36	
	Stornoway	29.36	47	WNW	5	o	29.66	+02	44	42	0	NW	3	o	2	d, o	48	40	0.0	0.30	
	Malin Head	29.60	46	W	8	tf	29.78	-01	45	44	0	WSW	5	omp	3	o, rf	46	43	*	0.15	
	Blacksod Pt.	29.81	50	WSW	5	rm	29.86	-06	50	49	+2	WSW	4	rm	4	ofm, rm	50	47	*	0.09	
	Valencia	29.99	50	SW	3	ogm	30.00	-06	50	50	+1	SW	3	rm	3	ogm	52	48	1.2	0.16	
	Roche's Point	29.97	50	WNW	3	bc	29.96	-10	50	48	+4	W	2	c	2	o, bc	53	43	*	-	
	Parsonstown	29.87	49	W	4	o	29.89	-08	50	49	+5	W	1	om	*	o	51	45	0.4	-	
	Donaghadee	29.71	48	NW	3	rg	29.80	-09	44	42	0	NW	3	c	3	rg	50	41	*	0.01	
Liverpool Obsy.	29.75	46	WSW	6	+	29.81	-10	44	42	+2	W	5	o	5	of, +	48	42	*	0.10		
Holyhead	29.81	46	WSW	1	dgm	29.87	-07	46	45	+2	WNW	3	o	2	o, dgm	47	43	*	0.11		
Pembroke (St. Ann's)	29.91	47	WSW	5	o	29.91	-09	47	45	+2	W	5	ogu	4	o, p	48	44	1.4	0.02		
GERMANY, &c.	Scilly (St. Mary's)	30.03	49	WNW	5	o	30.01	-02	49	49	+2	WNW	5	m	4	c, o	51	47	3.5	-	
	Jersey (St. Aubins)	30.01	48	WNW	4	ogm	29.96	-07	49	47	+3	W	5	om	4	ogm	50	45	2.3	-	
	Portland Bill	29.94	45	W	4	c	29.86	-15	46	46	+2	WNW	5	c	3	c	47	44	*	-	
	Dungeness	29.84	46	WSW	3	o	29.74	-23	48	47	+8	WNW	4	c	3	o	48	40	*	-	
	Wick	29.23	40	NW	4	o	29.62	-01	39	36	-1	N	3	bc	2	o	45	36	*	0.12	
	Nairn	29.36	45	SW	1	o	29.65	-02	41	41	-2	Z	0	+	1	o	47	39	*	0.25	
	Aberdeen	29.40	45	SSW	2	arg	29.62	-07	40	37	-2	NNW	4	cg	3	arg	54	39	0.8	0.14	
	Leith	29.49	47	WSW	4	+	29.66	-08	46	41	+1	WSW	2	c	*	+	49	42	*	-	
North Shields	29.60	48	WSW	3	o	29.63	-14	45	41	0	W	4	c	2	o	49	41	*	-		
FRANCE.	Spurn Head	29.67	45	WNW	4	c	29.60	-25	43	41	+1	W	6	b	4	c	47	41	*	0.04	
	Yarmouth	29.74	46	WNW	4	cmg	29.58	-32	45	42	+6	WNW	6	bg	4	c, cmg	47	38	*	0.04	
	Loughborough	29.79	48	W	4	o	29.71	-19	46	42	0	WNW	6	cg	*	ogp, cg	49	45	*	0.03	
	Oxford	29.84	47	W	3	o	29.81	-14	48	44	+3	NW	2	o	*	o	51	45	*	-	
	London (Brixton)	29.85	49	NW	3	o	29.79	-16	50	46	+7	NW	4	c	*	o, ogm	51	43	0.0	0.01	
	The Scaw (Skagen)	29.52	34	SE	1	b	29.31	-35	31	31	-3	SE	4	o	1	b	37	30	*	-	
	Fanö	29.54	35	S	2	+	29.44	-59	34	32	-2	E	2	o	*	+	39	34	*	0.43	
	Cuxhaven	29.73	38	W	2	o	29.44	-66	39	38	+2	WNW	6	+	*	o	41	36	*	0.32	
The Helder	29.69	41	W	2	o	29.43	-46	42	40	+4	WNW	5	bc	4	o	43	37	*	0.35		
SPAN. PEN.	Brussels	*	*	*	*	*	29.63	-34	47	45	+10	WNW	5	o	*	+	47	36	*	0.20	
	Berlin	29.72	37	WSW	2	+	29.28	-47	34	33	-3	SSW	3	s	*	+	43	32	*	0.08	
	Frankfurt	29.82	38	SW	2	+	29.50	-38	44	43	+4	SW	4	+	*	+	45	37	*	0.16	
	Munich	29.74	37	SW	2	o	29.63	-17	36	35	-2	SW	6	+	*	o	41	34	*	0.20	
	C. Gris Nez	29.91	40	E	2	bc	29.73	-25	45	44	+7	?	2	bc	6	bc	55	38	*	-	
	Brest	30.08	46	NW	3	o	30.08	-01	48	47	+5	NW	3	o	3	o	52	43	*	-	
	Lorient	30.06	48	NW	4	bc	30.07	-00	46	44	+5	WNW	4	o	4	bc	54	41	*	-	
	Rocheport	30.05	50	NW	4	c	30.08	+08	46	45	+3	NNW	4	c	*	c	?	39	*	-	
Biarritz	30.12	53	W	3	bc	30.17	+14	52	50	+3	W	3	o	2	bo	55	46	*	-		
SPAN. PEN.	Paris	30.02	51	SW	2	o	29.86	-13	47	44	+7	WSW	3	o	*	o	55	40	*	-	
	Belfort	29.88	44	W	6	o	29.81	-06	39	39	+7	W	6	+	*	o	53	32	*	0.16	
	Lyons	29.99	46	NNW	1	o	30.00	+08	43	42	+1	NNW	1	+	*	o	52	39	*	0.04	
	Nice	29.65	48	E	1	b	29.71	+11	42	39	+1	E	1	c	2	b	57	41	*	-	
	Perpignan	29.88	?	NW	6	b	29.99	+22	51	45	-1	NW	4	o	*	b	63	50	*	-	
	Corunna	30.07	55	N	4	b	30.12		42	41		NE	1	f	5	b	55	39	*	-	
	Lisbon	30.06	53	NW	1	b	30.08	+06	51	49	-3	NNE	2	b	*	b	61	48	*	-	
	Azores (P. Delgada)	30.19	54	NNE	3	b	30.14	-03	53	50	-3	NNE	3	b	3	b	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 Sunday, 9<sup>th</sup> March, 1902

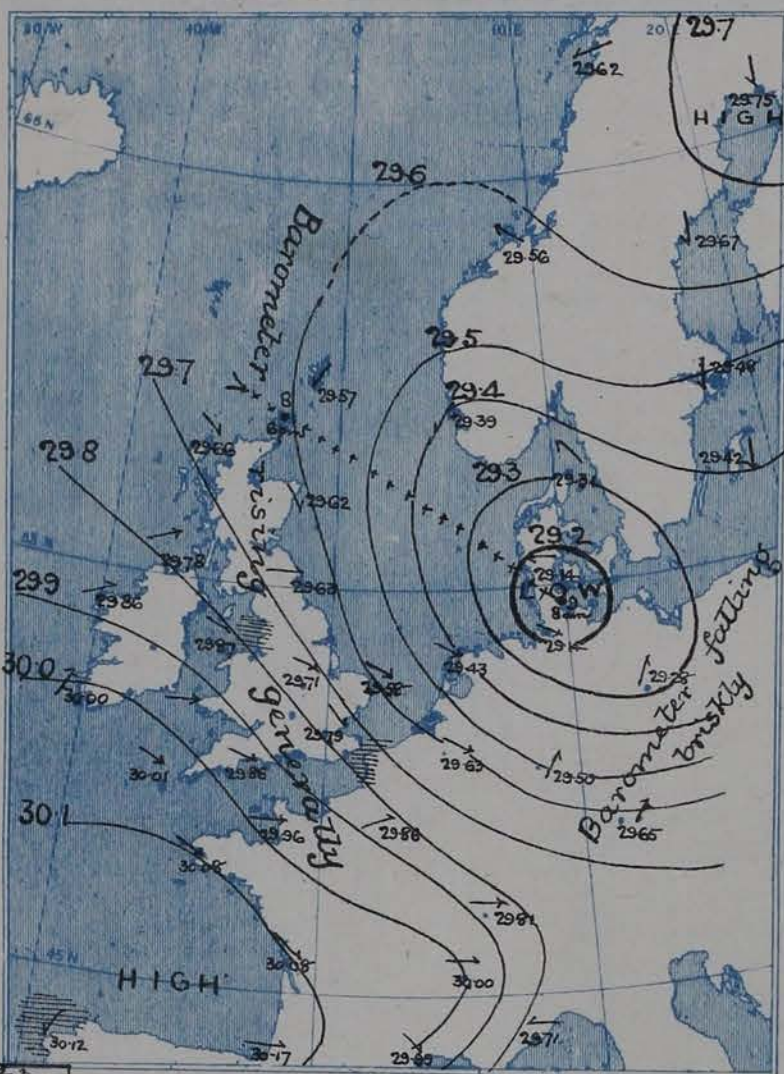
## I BAROMETER, WIND AND SEA. This Morning.

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

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

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

SEA.—Rough → : High →



Force  
20-14  
NNE 3

## III BAROMETER AND WIND

Yesterday morning.

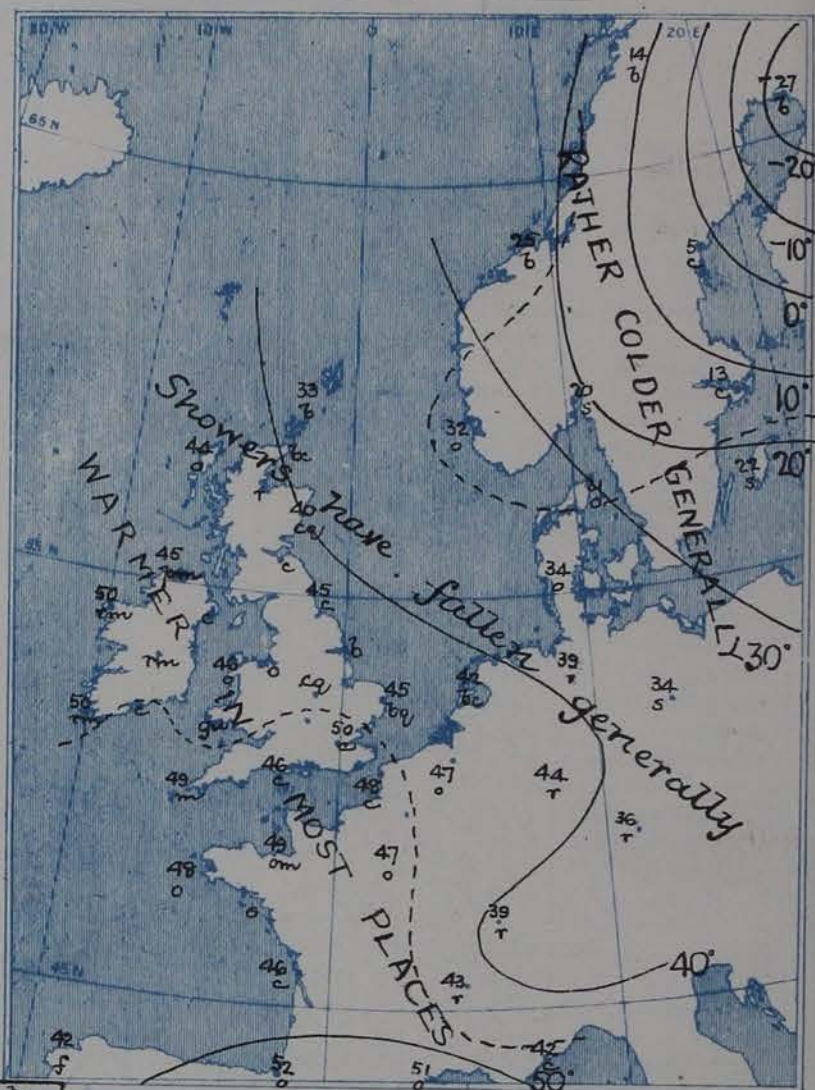


## II TEMPERATURE AND WEATHER. This Morning.

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

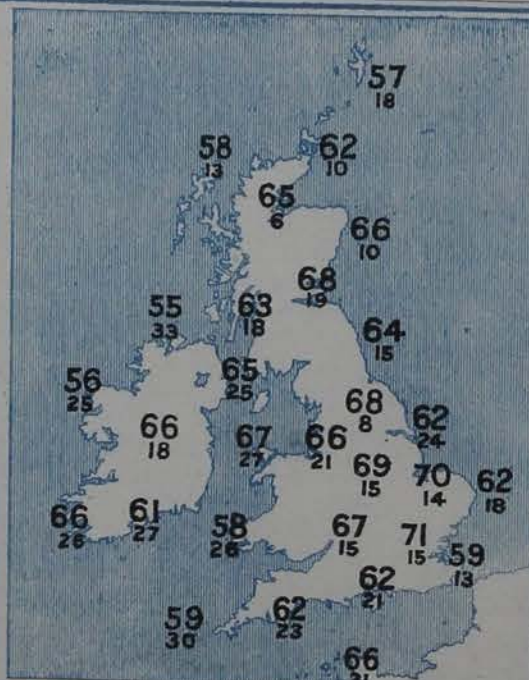


Force  
20-14  
NNE 3

## IV EXTREMES OF TEMPERATURE in month of MARCH (1871-1900)

Specimen { Highest Max, 64  
(for Shields) { Lowest Min, 15

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



## V Means of DAILY TEMPERATURE

at 8 A.M. for the monthly period

MARCH (1871-1900.)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The barometer continues highest, above 30 ins., in an anticyclone extending from the Atlantic to the Bay of Biscay, but the lowest readings, 29.2 ins. and less, are now found in a cyclonic disturbance which has reached Holstein from the NW<sup>d</sup>. and which increased considerably in depth during its passage from Fentland Firth. Another low pressure area (29.7 ins.) is shown over the Gulf of Genoa. Gradients are moderate to rather steep. Pressure is decreasing decidedly to the E<sup>o</sup> of the North Sea rising in most other regions.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind circulates round the disturbance noticed above, being SW<sup>ly</sup> in Germany, E<sup>ly</sup> and SE<sup>ly</sup> in Denmark and Norway and NW<sup>ly</sup> over the greater portion of our Islands and France. In Ireland, however, it is WSW<sup>ly</sup> or W<sup>ly</sup> and in Sweden N<sup>ly</sup>. It blows strongly or freshly at many eastern and southern stations, but is light or moderate as a whole. Temperature has risen in the south, fallen in the north. It is as high as 50° at many of our western stations and in London, but only 39° at Wick and 33° in the Shetlands. Over our continental area the readings range from 52° at Biarritz to 34° at Berlin, 13° at Stockholm and to -27° at Taparanda. The weather is fine and bright at a few English stations, but cloudy or dull over western Europe generally, with rain in several of our northern and western districts, as well as in many parts of France and Germany and snow at Berlin and in various parts of Scandinavia. The sea is rough at Cape Gris Nez and rather so at Liverpool and Corunna, moderate or slight in most other places.

Temperature exceeded 50° during yesterday in most parts of the Kingdom but did not rise above 45° at Wick and 38° in the Shetlands. Rain, mostly in small amounts, was experienced over the major portion of our Islands and rather heavier falls to the eastward and southward of the North Sea and over the east of France. The wind rose to a fresh gale from NW during the night on the east coast of Scotland. The amount of bright sunshine recorded was very slight.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

## FORECASTS\*

For the 24 hours ending at NOON on 10<sup>th</sup> March, 1902

### DISTRICTS.

### FORECASTS.

### DISTRICTS.

### FORECASTS.

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



NONE ISSUED

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

NONE ISSUED

### WARNINGS

At 7.30 p.m. yesterday to districts 1, 2, 6, and 7  
Hoist SOUTHCONE, and at 9.30 a.m.  
today '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	*	*	*	*	*	*	*	*	*	*	8	*	c, o	50	39	0.6	0'05
Newton Reigny (Penrith)																	
Bath	29.89	46	W. 4	c	29.87	-11	49	47	+2	N.W. 5	8	*	c	51	42	0.3	—

## 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.	48	41	c	0.0	—	Worthing	*	*	*	0.3	*
Birmingham, 9 p.m.	50	42	o	0.0	—	Llandudno	*	*	*	0.2	*
Lowestoft, 6 p.m.	*	*	*	*	*	Rhyl	*	*	*	*	*
Hastings	*	*	*	*	*	Southport, 9 p.m.	46	42	o p a	0.0	0.23
Eastbourne	*	*	*	*	*	Manchester, 9 p.m.	47	42	r, o r	0.0	0.18
Brighton	*	*	*	*	*	Darwen, 9 p.m.	44	39	o r g.	0.0	0.40

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

STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal) <i>not rec'd</i>				Ins.	Algiers	66	52	o r	0.59
Madrid	54	32	bz m	—	Tunis	64	45	o o	0.47
Corsica (I. Sanguinaires)	59	43	f f	—	Vienna	46	41	b b	—
Rome	55	44	b r	0.75	St. Petersburg	41	14	b o	—
Florence	51	45	o o	—	Lugano <i>7 March-02</i>	52	—	b	Measured 7 a.m.
Trieste	52	41	o c	—	Davos	39	—	b	—
Brindisi	59	48	o r	0.47	Lucerne	48	—	b	—
Naples	56	49	r r	0.71	Lausanne	48	—	b	—
Palermo	68	52	r o	0.99					

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

9. March 1902	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	h. m. 6.24	h. m. 12.4	h. m. 5.43
Greenwich	6.31	12.15	5.51
Wick	6.49	12.23	5.56
Valencia	7.13	12.52	6.32

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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 Monday, 10<sup>th</sup> March, 1902

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

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		BAROM.		TEMP.		WIND.	Weather.	BAROMETER.		TEMPERATURE.			WIND.		Sea (0 to 9.)	Weather.	TEMP.		Sun- shine. Hours	Rainfall Ins.	
		At 32° and M.S.L.	Ins.	Dry Bulb.	Direc.			Force (0 to 12.)	At 32° Fabr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.			Force (0 to 12.)	Max.			Min.
SCANDINAVIA.	Haparanda ...	29.58	-15	N	2	3	29.51	-24	-3	-3	+24	N	2	c	*	3	21	-35	*	-	
	Hernösand ...	29.68	-6	Z	0	3	29.62	-05	1	0	-4	Z	0	3	*	3	16	?	*	-	
	Stockholm ...	29.72	6	NE	2	3	29.76	+28	4	4	-9	W	2	3	*	3	16	4	*	-	
	Wisby ...	29.55	22	N	8	8	29.76	+34	19	18	-3	N	6	S	*	5	27	18	*	0.04	
	Karlstad ...	29.76	16	NE	2	3	29.87	+35	12	11	-3	W	2	3	*	3	*	*	*	-	
	Færder (X'ania Fjord) ...	29.75	26	NNE	5	3	29.90	+45	24	22	+4	WNW	2	3	1	3	27	19	*	0.12	
	Bodö ...	29.60	23	ENE	4	0	29.56	-06	33	31	+19	NW	4	c	2	0	33	14	*	-	
	Christiansund ...	29.79	31	ESE	2	c	29.88	+32	32	30	+7	W	6	S	5	c	32	25	*	-	
BRITISH ISLANDS.	Skudesnaes ...	29.78	32	ENE	2	3	29.98	+59	31	28	-1	ESE	4	c	2	3	39	28	*	*	
	Sumburgh Head ...	29.74	39	NE	1	3c	29.81	+24	38	36	+5	S	3	0	4	3,3c	41	33	*	-	
	Stornoway ...	29.66	43	SW	3	7	29.82	+16	45	45	+1	NW	6	0	5	7	48	42	0.0	0.23	
	Malin Head ...	29.76	48	WSW	7	odpf	29.92	+14	44	43	-1	VNW	3	c	2	0,dpf	48	43	*	0.03	
	Blacksod Pt. ...	29.89	49	WSW	4	omp	29.99	+13	46	45	-4	NNE	1	3	2	0,omp	50	45	*	0.08	
	Valencia... ..	30.01	51	SW	2	om	30.02	+02	49	49	-1	WSW	2	omd	4	0,om	51	48	0.0	0.04	
	Roche's Point ...	30.00	52	NNW	3	c	30.02	+06	50	48	0	WNW	2	c	2	c	54	47	*	-	
	Parsonstown ...	29.94	50	W	4	0	29.98	+09	48	48	-2	WSW	1	om	*	om	53	48	0.2	0.01	
GERMANY, &c.	Donaghadee ...	29.84	50	WNW	2	or	29.95	+15	45	44	+1	NW	2	c	2	or	50	43	*	0.08	
	Liverpool Obsy. ...	29.88	44	Z	0	7	29.94	+13	46	45	+2	WSW	3	0	2	opn	48	44	*	0.08	
	Holyhead ...	29.88	50	W	3	rdm	29.95	+08	48	48	+2	W	3	cdp	2	rdm	50	45	*	0.08	
	Pembroke (St. Ann's) ...	29.95	47	W	4	3c	29.98	+07	47	45	0	NW	3	cg	3	c	49	44	1.7	-	
	Scilly (St. Mary's)... ..	30.04	50	WNW	5	om	30.04	+03	49	48	0	WNW	4	0	4	0,om	52	47	0.0	-	
	Jersey (St. Aubins)... ..	30.02	49	W	5	0	30.03	+07	49	46	-2	WNW	4	of	3	0,of	51	45	0.0	0.01	
	Portland Bill ...	29.95	47	WNW	4	c	29.99	+13	45	44	-1	NW	1	c	2	c	50	44	*	-	
	Dungeness ...	29.89	51	NNW	3	c	29.96	+22	41	41	-7	E	2	0	2	c	56	40	*	-	
FRANCE.	Wick ...	29.71	42	S	2	7	29.77	+15	42	41	+3	SSE	1	c	1	7	43	35	*	0.04	
	Nairn ...	29.75	40	Z	0	0	29.81	+16	43	42	+2	W	2	c	1	c	43	37	*	0.14	
	Aberdeen ...	29.82	34	N	1	0	29.87	+25	40	39	0	SW	1	og	2	0	43	33	0.0	0.18	
	Leith ...	29.77	45	Z	0	0	29.87	+21	41	41	-5	Z	0	fg	*	c	51	39	*	0.02	
	North Shields ...	29.82	42	Z	0	0	29.87	+24	44	44	-1	SW	1	of	2	0,7	48	39	*	0.07	
	Spurn Head ...	29.85	42	NNW	4	3c	29.93	+33	40	40	-3	SSE	4	0	3	c	48	38	*	0.03	
	Yarmouth ...	29.83	43	NNW	4	c	29.94	+36	40	38	-5	SE	3	3cy	3	3c,e	49	37	*	-	
	Loughborough ...	29.88	47	WNW	2	c	29.94	+23	47	46	+1	WNW	1	om	*	0,3c,0	52	45	*	-	
SPAN. PEN.	Oxford ...	29.93	51	NW	2	7	29.97	+16	48	46	0	NW	1	0	*	3c,od,0	57	46	*	0.01	
	London (Brixton) ...	29.89	54	NW	2	c	29.96	+17	43	42	-7	NNE	1	ogm	*	3c,07	56	42	5.8	0.10	
	The Scaw (Skagen) ...	29.71	25	NE	3	3	29.91	+60	29	28	-2	NNW	2	3	0	3	32	25	*	-	
	Fanö ...	29.73	29	N	4	5	29.98	+84	20	20	-14	N	2	c	*	5	37	19	*	0.04	
	Cuxhaven ...	29.45	36	N	5	0	29.97	+83	29	28	-10	N	2	c	*	0	41	28	*	0.43	
	The Helder ...	29.77	38	NNW	4	3	29.98	+55	36	33	-6	NE	1	3c	1	3	43	36	*	-	
	Brussels ...	*	*	*	*	*	30.04	+41	36	35	-11	Z	0	0	*	0	48	35	*	0.08	
	Berlin ...	29.26	34	NW	3	7	29.67	+39	27	26	-7	NW	3	c	*	7	37	27	*	0.63	
GERMANY, &c.	Frankfurt ...	29.71	40	NW	6	c	29.94	+44	35	31	-9	NW	4	c	*	c	50	34	*	0.04	
	Munich ...	29.55	41	W	8	c	29.85	+22	30	27	-6	W	5	S	*	c	43	30	*	0.12	
	C. Gris Nez ...	29.90	51	NNW	3	3c	29.97	+24	38	38	-7	SE	3	f	2	3c	55	37	*	0.04	
	Brest ...	30.10	49	WNW	2	f	30.12	+04	47	45	-1	NW	2	0	2	f	50	46	*	-	
	Lorient ...	30.11	48	WSW	3	f	30.07	0	46	46	0	WNW	2	0	4	f	52	45	*	-	
	Rochefort ...	30.08	50	NW	4	0	30.02	-06	48	48	+2	SW	2	m	*	0	52	46	*	-	
	Biarritz ...	30.19	51	NW	3	0	30.09	-08	48	46	-4	E	1	0	3	0	55	46	*	-	
	Paris ...	29.76	52	WNW	2	3	29.95	+09	47	47	0	WSW	1	0	*	3	58	44	*	0.04	
FRANCE.	Belfort ...	29.79	43	W	6	0	29.92	+11	37	36	-2	WSW	3	7	*	0	44	37	*	0.16	
	Lyons ...	30.00	44	N	1	7	29.98	-02	44	40	+1	SW	1	0	*	7	48	41	*	0.08	
	Nice ...	29.55	50	Z	0	c	29.56	-15	53	43	+11	Z	0	c	2	c	59	42	*	-	
	Perpignan ...	29.96	56	W	6	0	29.98	-01	50	45	-1	NW	4	3c	*	0	64	48	*	-	
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 10<sup>th</sup> March, 1902

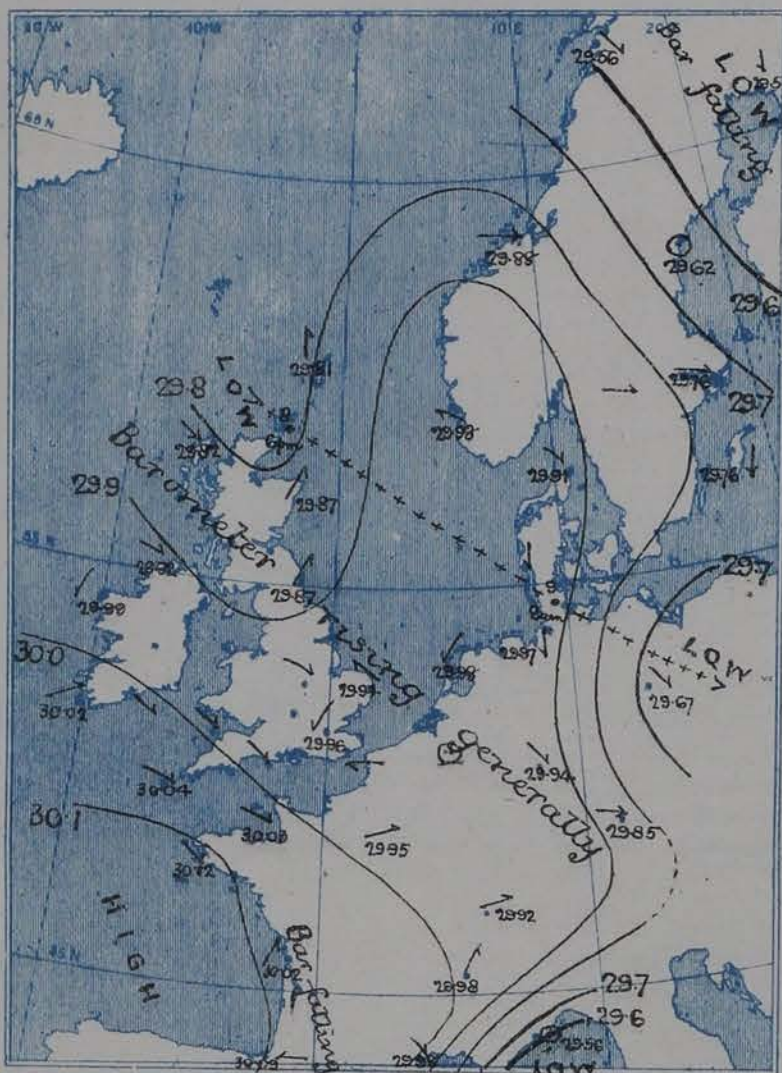
## I. BAROMETER, WIND AND SEA. This Morning.

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

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

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

SEA.—Rough ■ : High ■

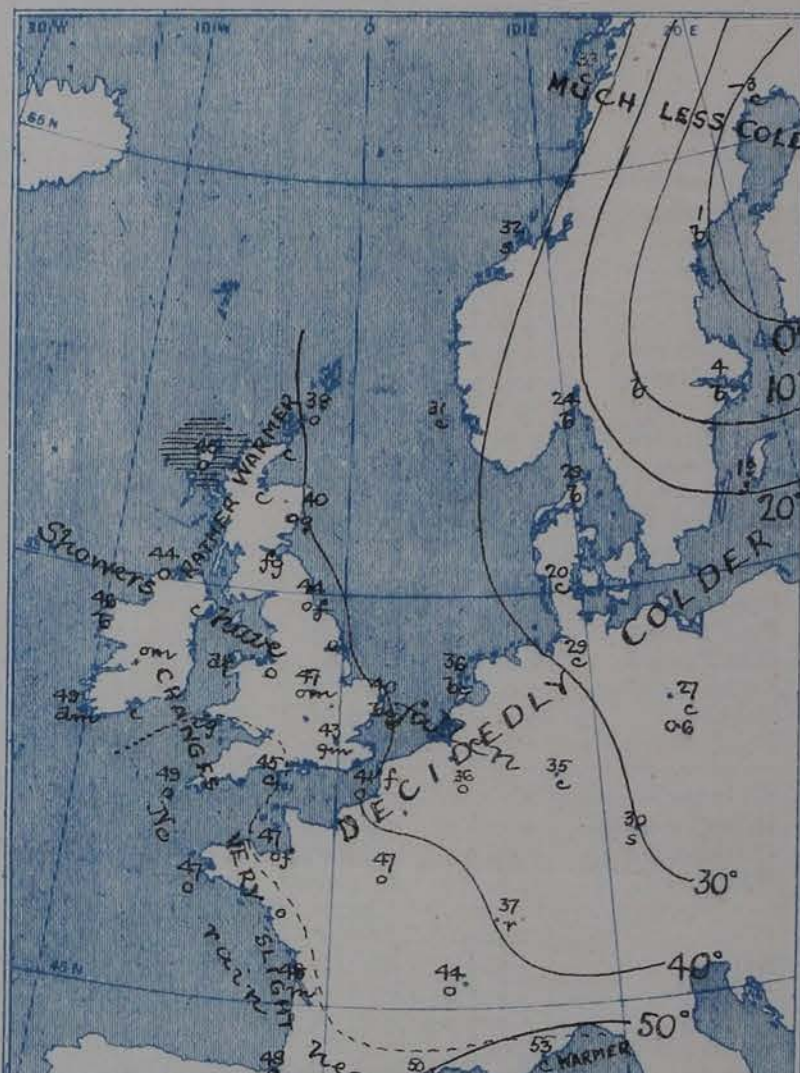


## II TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

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

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.5



## III BAROMETER AND WIND

Yesterday morning.



## IV EXTREMES OF TEMPERATURE in month of MARCH (1871-1900)

Specimen { Highest Max., 64  
(for Shields) { Lowest Min., 15

Malin Head & Blacksod: Belmullet Values are for only 45 Yrs.



## V. Means of DAILY TEMPERATURE

at 8 A.M. for the monthly period

MARCH (1871-1900)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The barometer continues highest, about 30.1 ins. over the Bay of Biscay, while the lowest readings, 29.6 ins. and less, are found over the Gulf of Genoa. Pressure is, however, nearly as low, 29.7 ins. and less, in a disturbance which has reached Germany from the NW and below 29.8 ins. in another which has appeared over the extreme north of Scotland. The barometer is rising in all parts of our area, excepting the north of Scandinavia and the west of France and gradients are very slight except over Germany.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is NW<sup>4</sup> or W<sup>4</sup> over all our western districts and blows from between N. and W. over Scandinavia, Denmark, Germany, but along the east coast of Great Britain and in the Shetlands it is from some southerly point. It is very light in force as a whole but fresh or strong at Stornoway, Christiansund, Helsingør, and Munich. Temperature has fallen in the southeast, risen in Scotland and the north of Norway and Sweden, changed little and irregularly elsewhere. The readings are still above the normal over our Islands, ranging from 50° at Roches Point and 49° or 48° at several other stations to 40° on the east coast of England and to 38° in the Shetlands. At the continental stations they vary from 53° at Nice to 27° at Berlin, 6° at Stockholm, and -3° at Haparanda. The weather is fine and bright in some Swedish localities as well as in the Netherlands and at Yarmouth, but cloudy or dull elsewhere, with slight rain at Valencia and Holyhead, and snow at Christiansund, Helsingør, and Munich. The sea is rather rough in the Minch, moderate to smooth elsewhere.

Maximum temperatures as high as 57° at Oxford and 56° in London and at Dungeness were recorded yesterday and readings of 50° or a little higher were very common. Bright sunshine was very prevalent in most southern and eastern districts, but in the west and extreme north there was very little or none. Rain has fallen since 8 a.m. yesterday at nearly all our own and at several continental stations.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The shallow disturbance in the north will probably move slowly eastwards or southeastwards and the wind in the eastern districts is consequently likely to veer. A good deal of cloud, with mist and slight rain in places, is indicated.

## FORECASTS \*

For the 24 hours ending at NOON on 11<sup>th</sup> March, 1902

### DISTRICTS.

### FORECASTS.

0	{ SCOTLAND NORTH }	Wind shifting to the W <sup>4</sup> or NW <sup>4</sup> generally; cloudy or dull, some rain at times.
1	{ SCOTLAND EAST }	
2	{ ENGLAND N.E. }	SW <sup>4</sup> to W <sup>4</sup> or NW <sup>4</sup> winds, light; changeable, some rain and mist.
3	{ ENGLAND EAST }	
4	{ MIDLAND COUNTIES }	Wind becoming W <sup>4</sup> or NW <sup>4</sup> in most places; cloudy or dull generally, with local mists, slight rain not improbable.
5	{ ENGLAND SOUTH }	

### DISTRICTS.

### FORECASTS.

6	{ SCOTLAND WEST }	W <sup>4</sup> or NW <sup>4</sup> winds, light or moderate; cloudy or dull, some rain.
7	{ ENGLAND N.W. }	
8	{ ENGLAND S.W. }	NW <sup>4</sup> winds, light or moderate; mild, changeable, some rain in places.
9	{ IRELAND NORTH }	Wind varying between SW. and NW.
10	{ IRELAND SOUTH }	cloudy or dull, some rain in places, mild.

### WARNINGS

NONE ISSUED.

Note.—The South Cone, point downwards (  $\nabla$  ), 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 (  $\nabla$  ), 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	*	*	*	*	*	*	*	*	*	0	*	0.8e	53	38	7.9
Newton Reigny (Penrith)	29.81	45	WSW 4	0	29.88	46	45		WSW 1	0	*	0mg r	49	42	1.0
Bath	29.92	51	W 5	0	29.96 +.09	48	45	- 1	W 4	0	*	0	56	44	2.6

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine.	Rainfall.	STATIONS.	TEMPERATURE.		Weather.	Sunshine.	Rainfall.
	Max.	Min.					Max.	Min.			
Harrogate, 6 p.m.	53	41	c	5.6	-	Worthing	*	*	*	7.6	*
Birmingham, 9 p.m.	53	45	0	2.3	-	Llandudno	*	*	*	0.3	*
Lowestoft, 6 p.m.	*	*	*	7.6	*	Rhyl	*	*	*	0.3	*
Hastings	*	*	*	7.8	*	Southport, 9 p.m.	46	43	op d	0.5	0.06
Eastbourne	*	*	*	6.8	*	Manchester, 9 p.m.	*	*	*	*	*
Brighton	*	*	*	*	*	Darwen, 7 p.m.	46	40	d	1.5	0.06

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

STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal)	Information not yet rec'd			Ins.	Algiers	Information not yet rec'd			Ins.
Madrid					Tunis				
Corsica (I. Sanguinaires)					Vienna				
Rome					St. Petersburg				
Florence					8. Mar -/02	1 p.m.			Measured 7 a.m.
Trieste					Lugano	50	—	b	—
Brindisi					Davos	36	—	0	—
Naples					Lucerne	46	—	0	—
Palermo					Lausanne	43	—	b	—

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

10 March 1902	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	h. m. 6.22	h. m. 12.4	h. m. 5.45
Greenwich	6.29	12.11	5.53
Wick	6.47	12.23	5.59
Valencia	7.11	12.52	6.34

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# DAILY WEATHER REPORT

for 8 a.m. on Tuesday, 11<sup>th</sup> March, 1902.

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

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)											PAST 24 HOURS.				
		BAROM.		TEMP.		WIND.	Weather.	BAROMETER.		TEMPERATURE.			WIND.		Sea (0 to 9.)	Weather.	TEMP.		Sun- shine. Hours	Rainfall Ins.		
		At 32° and M.S.L.	Dry Bulb.	Dirac.	Force (0 to 12.)			At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)			Max.	Min.				
																					Ins.	Ins.
SCANDINAVIA.	Haparanda ...	29.67	0	Z	0	δ	29.93	+42	-4	-5	-1	N	2	δc	*	δ	16	-18	*	-		
	Hernösand ...	29.58	31	Z	0	c	29.82	+20	17	15	+16	Z	0	o	*	c	37	-6	*	-		
	Stockholm ...	29.70	32	W	4	δc	29.63	-13	28	27	+24	W	2	o	*	δc	32	3	*	-		
	Wisby ...	29.94	31	W	4	δ	29.69	-07	31	30	+12	W	4	o	*	δ	34	18	*	-		
	Karlstad ...	29.82	32	W	2	c	29.63	-24	24	22	+12	NE	2	o	*	c	*	*	*	-		
	Færder (X'ania Fjord) ...	29.83	32	SW	4	δ	29.69	-21	30	28	+6	NNW	4	c	2	δ	34	24	*	-		
	Bodö ...	29.68	27	Z	0	c	29.83	+27	16	14	-17	ENE	2	δ	1	c	33	14	*	-		
	Christiansund ...	29.78	34	ENE	3	o	29.82	-06	36	35	+4	ENE	4	s	5	o	36	32	*	0.16		
	Skudesnaes ...	29.95	37	SW	2	o	29.88	-10	37	34	+6	NNW	7	δc	2	o	37	30	*	*		
	Sumburgh Head ...	29.87	40	N	3	δ	30.02	+21	36	33	-2	N	2	c	4	7, δ	43	34	*	0.03		
BRITISH ISLANDS.	Stornoway ...	29.99	44	ENE	1	δ	29.98	+16	37	36	-8	SE	3	δ	2	o, δ	48	35	2.9	-		
	Malin Head ...	29.98	45	E	2	c	29.94	+02	43	43	-1	SE	4	ogm	3	δ, c	47	42	*	0.03		
	Blacksod Pt. ...	29.98	48	W	1	o	29.93	-06	47	46	+1	SSW	3	c	3	δc, o	50	45	*	0.01		
	Valencia... ..	30.01	51	SW	1	om	29.95	-07	46	45	-3	SSE	1	ov	3	7, om	52	44	0.0	0.05		
	Roche's Point ...	30.01	51	SW	3	o	29.97	-05	47	46	-3	S	1	m	2	o	51	44	*	0.05		
	Parsonstown ...	29.98	51	NNW	1	o	29.94	-04	47	46	-1	NW	1	mm	*	p, c	54	46	1.2	0.06		
	Donaghadee ...	29.99	46	N	1	o	30.01	+06	44	43	-1	SSE	1	c	1	c	50	42	*	-		
	Liverpool Obsy. ...	30.01	43	WNW	1	o	30.01	+07	42	41	-4	WNW	1	o	?	opm	48	40	*	0.02		
	Holyhead ...	30.01	45	Z	0	o	29.99	+04	44	42	-4	E	2	c	1	o	50	42	*	-		
	Pembroke (St. Ann's) ...	29.99	47	WNW	2	o	29.98	o	45	45	-2	SE	1	f	3	c, f	51	45	2.9	-		
GERMANY, &c.	Scilly (St. Mary's)... ..	30.02	49	WNW	3	o	29.97	-07	48	48	-1	S	1	o	4	o	52	47	0.0	0.01		
	Jersey (St. Aubins)... ..	30.02	50	NNW	3	og	30.03	o	44	43	-3	E	2	f	2	f, og, gf	53	42	2.0	-		
	Portland Bill ...	30.01	48	NW	1	o	30.04	+05	44	44	-1	E	2	f	2	o	48	43	*	-		
	Dungeness ...	30.01	43	ESE	1	o	30.03	+07	43	43	+2	SW	2	og	1	c, o	46	40	*	-		
	Wick ...	29.95	38	NW	2	δc	30.04	+27	31	30	-11	Z	0	δc	0	δc	49	27	*	0.03		
	Nairn ...	29.96	45	W	2	c	30.03	+22	35	34	-8	Z	0	δ	0	c	53	31	*	0.01		
	Aberdeen ...	29.98	46	NW	3	c	30.07	+20	38	36	-2	NNW	1	δc	1	cm, c	52	34	1.7	-		
	Leith ...	29.90	50	Z	0	c	30.05	+18	42	40	+1	ENE	1	c	*	c	53	39	*	-		
	North Shields ...	29.93	44	NNW	1	c	30.02	+15	41	41	-3	NNE	1	odp	2	f, o, c	53	40	*	-		
	Spurn Head ...	29.94	41	S	3	f	29.99	+06	41	40	+1	NNW	3	f	3	f	45	39	*	-		
FRANCE.	Yarmouth ...	30.00	40	SE	4	c	29.98	+04	43	42	+3	WSW	2	δcf	3	δc, c	43	38	*	0.02		
	Loughborough ...	29.97	52	WNW	1	c	30.03	+09	40	39	-7	WNW	1	cmw	*	c, om, p	57	38	*	-		
	Oxford ...	30.01	52	W	1	c	30.03	+06	46	45	-2	N	1	o	*	p, c	54	45	*	0.01		
	London (Brixton) ...	30.01	48	SW	1	o	30.03	+07	44	43	+1	W	1	o	*	og, δ	50	40	0.0	-		
	The Scaw (Skagen) ...	29.91	33	WNW	3	δc	29.64	-127	36	35	+7	NNW	2	δ	1	δc	37	28	*	-		
	Fanö ...	30.06	32	W	2	o	29.88	-10	35	34	+15	WSW	5	o	*	o	36	20	*	0.12		
	Cuxhaven ...	30.05	29	Z	0	δ	29.99	+102	31	30	+2	WSW	2	c	*	δ	32	28	*	-		
	The Helder ...	30.04	37	E	1	δ	30.00	+02	39	37	+3	SW	1	o	1	δ	39	28	*	-		
	Brussels... ..	*	*	*	*	*	30.08	+04	34	31	-2	SW	1	δc	*	δc	46	30	*	-		
	Berlin ...	30.07	28	NW	2	o	29.99	+32	28	27	+1	W	2	o	*	o	34	25	*	-		
SPAN. PEN.	Frankfurt ...	30.10	34	N	2	δ	30.10	+16	29	28	-6	ENE	2	δ	*	δ	45	27	*	-		
	Munich ...	30.02	29	Z	0	δ	30.07	+22	25	24	-5	SW	3	δ	*	δ	36	21	*	0.04		
	C. Gris Nez ...	30.06	42	E	2	o	30.05	+08	39	39	+1	SW	3	o	3	o	54	37	*	-		
	Brest ...	30.10	46	NW	1	o	30.00	-12	46	45	-1	NNE	1	o	0	o	52	46	*	-		
	Lorient ...	30.02	49	WNW	2	c	29.99	-08	46	45	o	E	2	o	2	c	55	46	*	-		
	Rochefort ...	30.06	50	NW	3	o	29.97	-05	42	41	-6	E	3	m	*	o	50	39	*	-		
	Biarritz ...	30.05	52	N	4	δc	29.99	-10	49	48	+1	E	1	o	2	δc	54	48	*	-		
	Paris ...	30.02	44	NE	2	δc	30.08	+13	30	29	-17	NE	1	δ	*	δc	49	29	*	-		
	Belfort ...	29.99	36	ENE	3	o	30.06	+14	26	25	-11	ENE	3	m	*	o	44	24	*	-		
	Lyons ...	29.98	41	NNE	1	γ	30.13	+15	33	31	-11	NE	1	δ	*	γ	49	31	*	0.08		
SPAN. PEN.	Nice ...	29.64	53	Z	0	δ	29.90	+34	45	38	-8	NE	1	δ	2	δ	61	41	*	-		
	Perpignan ...	29.88	59	NW	3	δ	29.91	-07	52	49	+2	NW	3	δ	*	δ	69	50	*	-		
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 11<sup>th</sup> MARCH, 1902

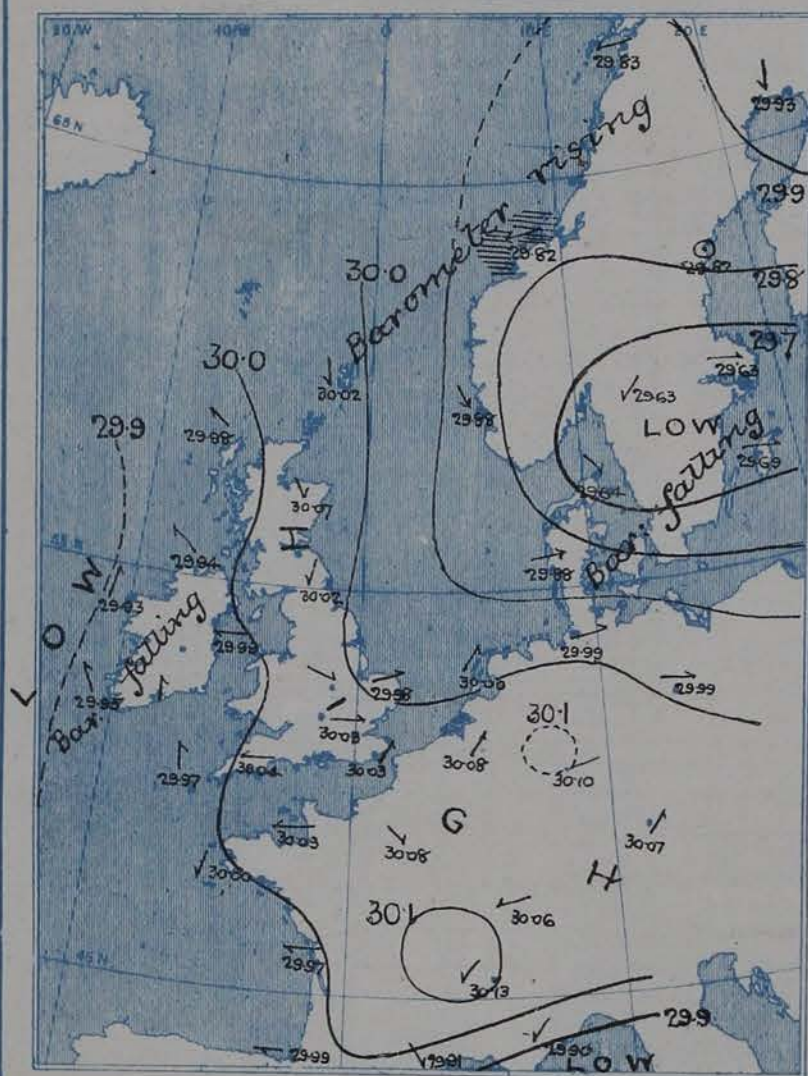
## I. BAROMETER, WIND AND SEA. This Morning

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

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

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

SEA.—Rough ≡ : High ≡

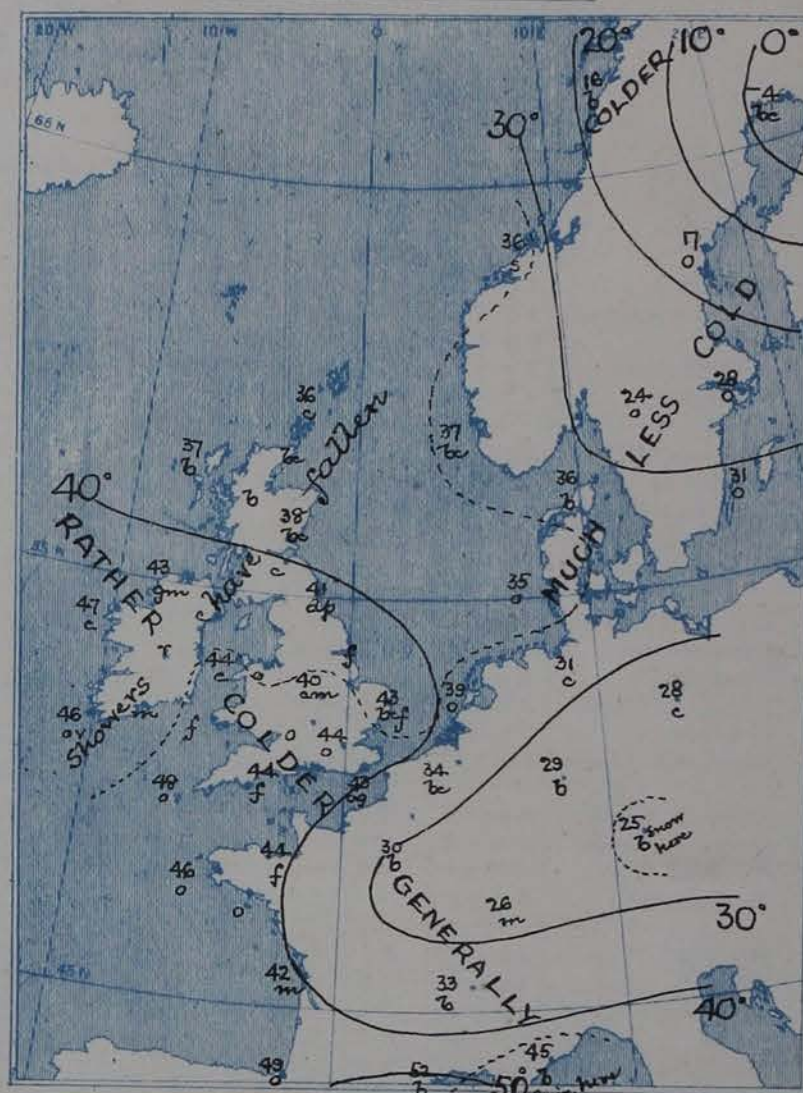


## II TEMPERATURE AND WEATHER. This Morning

TEMPERATURE.—Isotherms are drawn for each 10°.

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

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



## III BAROMETER AND WIND

Yesterday morning.



## IV EXTREMES OF TEMPERATURE in month of MARCH (1871-1900)

Specimen { Highest Max, 64  
(for Shields) { Lowest Min, 15

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



## V Means of DAILY TEMPERATURE

at 8 A.M. for the monthly period

MARCH (1871-1900)





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Barometric pressure is highest, 30.1 ins., over the central parts of France and Germany, whence a band in which the barometer is above 30 ins. stretches northwards over the entire length of Great Britain. Two cyclonic systems are noticed - one with minimum readings below 29.7 ins., which has moved to the south of Sweden from the NW. or W. during the night, while another (apparently shallow) is advancing over Ireland from the W. There is in addition a very shallow secondary system off the east coast of England. Gradients are slight - especially over our islands. Pressure is decreasing slowly in Ireland and also over Sweden and Denmark.

## WIND

## TEMPERATURE

## WEATHER

## AND

## SEA

Light S<sup>4</sup> to SE<sup>4</sup> winds consequently prevail over the western parts of the United Kingdom and light N<sup>4</sup> or NW<sup>4</sup> airs in the east, while in the intervening regions variable airs or calms are reported. Over Scandinavia there is a distinct cyclonic circulation, the NNW<sup>4</sup> wind blowing strongly at Skudelesnes. Over France the wind is mainly E<sup>4</sup> or NE<sup>4</sup>, while over Germany it is variable. Temperature has risen quickly in some parts of Scandinavia, fallen in most other regions. The readings are, however, still a little above the average in most parts of England and Ireland; they range from 48° at Scilly to 41° on the northeast coast of England, 36° in the Shetlands, and to 31° at Wick. The highest value at any of the continental stations is 49° at Biarritz and the lowest - 4° at Haparanda. At Paris the reading is 38° and at Munich 25°. The weather is fine and bright in Scotland, and in different parts of our continental area, but cloudy or dull as a whole, with much mist or fog over our more southern districts and with rain at Parsonstown and Shields. At Christianund snow is falling. The sea is rather rough off the west of Norway, moderate to smooth elsewhere.

Temperature rose to 60° and above in nearly all parts of the United Kingdom during yesterday but remained as low as 43° at Yarmouth and Sumburgh Head. Slight rain was experienced in a few isolated parts of Great Britain and at nearly all Irish stations, and snow in the west of Norway. The amount of bright sunshine recorded was very small; in most places there was none.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The cyclonic system advancing from the westward seems likely to move southeastwards or eastwards and may be expected to cause some rain in most districts during the ensuing twenty four hours.

## FORECASTS \*

For the 24 hours ending at NOON on 12 March, 1902

### DISTRICTS.

### FORECASTS.

0	{ SCOTLAND NORTH	Variable to SE <sup>4</sup> or E <sup>4</sup> winds, light; fine and cold at first, milder and less settled tomorrow.
1	{ SCOTLAND EAST	
2	{ ENGLAND N.E.	N <sup>4</sup> winds shifting later to the S <sup>4</sup> ; dull and misty, some rain.
3	{ ENGLAND EAST	Variable W <sup>4</sup> to light S <sup>4</sup> winds; dull and misty or foggy generally, some rain in places.
4	{ MIDLAND COUNTIES	
5	{ ENGLAND SOUTH	

### DISTRICTS.

### FORECASTS.

6	{ SCOTLAND WEST	SE <sup>4</sup> or E <sup>4</sup> winds, light or moderate; dull misty, some rain.
7	{ ENGLAND N.W.	
8	{ ENGLAND S.W.	S <sup>4</sup> or SE <sup>4</sup> winds, light or moderate; dull and foggy or misty, then some rain.
9	{ IRELAND NORTH	Same as Nos. 6 and 7.
10	{ IRELAND SOUTH	S <sup>4</sup> and SE <sup>4</sup> winds; unsettled, rain at times.

### WARNINGS

NONE ISSUED

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

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



# ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 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	42 39	0.2	-
Newton Reigny (Penrith)	29.96	44	www 2	0	30.00 + .12	38	37	- 8	Z 0	0	.	0, c, 0	50 33	1.0	-
Bath	29.69	50	w 2	0	30.04 + .08	47	46	- 1	w 1	0	.	0	52 42	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.	54	40	c	3.3	0.02	Worthing	.	.	.	0.0	.
Birmingham, 9 p.m.	53	46	0	0.0	-	Llandudno	.	.	.	0.0	.
Lowestoft, 6 p.m.	43	37	c	0.3	-	Rhyl	.	.	.	.	.
Hastings	.	.	.	0.0	.	Southport, 9 p.m.	48	43	0, c, 0	0.8	0.05
Eastbourne	.	.	.	0.0	.	Manchester, 9 p.m.	53	41	8	0.7	0.06
Brighton	*	*	*	0.0	*	Darwen, 9 p.m.	49	39	0, 8	0.2	0.25

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

STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max. °	Min. °				Max. °	Min. °		
Madeira (Funchal) <i>Not Recd</i>	.	.	.	Ins.	Algiers	70	52	b b	-
Madrid <i>Not Recd</i>	.	.	.	Ins.	Tunis	63	48	bc 0	-
Corsica (I. Sanguinaires)	59	45	m m	-	Vienna	46	36	r s	0.20
Rome	59	45	b bc	-	St. Petersburg	7	-2	0 b	-
Florence	58	38	b m	-	9. March 1902 <sup>1 p.m.</sup> ( <i>Not yet Recd</i> )				
Trieste	54	43	b b	-	Lugano	.	.	.	Measured 7 a.m.
Brindisi	55	45	c bc	-	Davos	.	.	.	.
Naples	59	49	b c	-	Lucerne	.	.	.	.
Palermo	63	48	0 f	-	Lausanne	.	.	.	.

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

11. March, 1902	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	h. m. 6.20	h. m. 12.3	h. m. 5.47
Greenwich	6.26	12.10	5.55
Wick	6.44	12.22	6.1
Valencia	7.8	12.51	6.35

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, 12<sup>th</sup> March, 1902.

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

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		BAROM.		TEMP.		WIND.	Weather.	BAROMETER.		TEMPERATURE.				WIND.		Sea (0 to 9.)	Weather.	TEMP.		Sun- shine Hours	Rainfall. Ins.
		At 32° and M.S.L.	Dry Bulb.	Dirac.	Force (0 to 12.)			At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)	Max.			Min.			
																			Ins.		
SCANDINAVIA.	Haparanda ...	30.02	-5	N	4	z	30.03	+10	-17	-18	-13	NE	2	z	*	z	32	-18	*	-	
	Hernösand ...	30.06	8	Z	0	z	30.14	+32	12	10	-5	Z	0	0	*	z	32	8	*	-	
	Stockholm ...	29.99	16	N	2	c	30.21	+58	8	8	-20	NNW	2	z	*	c	32	8	*	-	
	Wisby ...	29.93	23	N	4	z	30.12	+43	19	17	-12	N	4	z	*	z	37	19	*	-	
	Karlstad ...	29.99	26	E	2	0	30.21	+58	19	18	-5	SE	4	0	*	z	*	*	-		
	Färder (X'ania Fjord) ...	29.94	35	N	1	z	30.14	+45	30	28	0	SSE	2	0	1	z	36	28	*	-	
	Bodö ...	29.96	18	ENE	2	z	29.99	+16	21	18	+5	E	2	z	1	z	23	14	*	-	
	Christiansund ...	30.04	36	ENE	2	0	30.12	+30	36	34	0	WSW	3	c	5	0	37	34	*	-	
	Skudesnaes ...	30.04	37	NNW	4	z	30.12	+24	32	30	-5	ENE	2	z	1	z	43	30	*	-	
	Sumburgh Head ...	30.06	38	E	1	c	29.95	-07	39	36	+8	SSE	4	0	5	z,c	43	35	*	-	
BRITISH ISLANDS.	Stornoway ...	29.92	45	SSW	2	0	29.76	-22	45	43	+8	SSW	4	0	3	z,o	49	36	1.9	-	
	Malin Head ...	29.88	47	SE	5	op	29.73	-21	45	43	+2	SSE	5	0	2	c,op	49	43	*	0.01	
	Blacksod Pt. ...	29.86	49	SSW	4	z,c	29.77	-16	47	45	0	SSW	5	z,c	4	z,c	52	45	*	0.03	
	Valencia ...	29.89	49	SSE	2	cv	29.88	-07	46	44	0	SSE	2	z,c	4	cv	53	48	2.3	0.06	
	Roche's Point ...	29.95	48	S	1	0	29.91	-06	47	46	0	S	2	z,c	2	0	50	45	*	-	
	Parsonstown ...	29.91	49	S	1	0	29.87	-07	45	43	-2	SE	1	og	*	cp,o	52	42	0.7	0.01	
	Donaghadee ...	29.97	44	SE	2	om	29.84	-17	45	44	+1	SW	2	c	0	om,p	45	43	*	0.03	
	Liverpool Obsy. ...	29.99	48	SE	1	r	29.98	-03	43	43	+1	SE	2	0	2	om,p	51	40	*	0.03	
	Holyhead ...	29.98	47	SW	1	f	29.94	-05	44	44	0	S	2	fd	1	cf	49	42	*	0.08	
	Pembroke (St. Ann's) ...	29.98	45	SE	2	0	29.94	-04	45	45	0	S	4	mg	3	0	47	44	0.0	0.02	
GERMANY, &c.	Scilly (St. Mary's) ...	29.94	49	SSE	3	0	29.96	-01	49	48	+1	SSW	2	op,m	4	0	52	47	0.2	0.01	
	Jersey (St. Aubins) ...	30.00	50	ENE	1	om	30.05	+02	46	43	+2	SE	1	0	1	om,g	52	43	2.2	-	
	Portland Bill ...	30.02	44	E	3	cm	30.02	-02	44	44	0	ESE	1	cm	1	f,cm	47	44	*	-	
	Dungeness ...	30.03	44	WSW	2	0	30.07	+04	43	42	0	SSE	2	c	2	0	47	42	*	-	
	Wick ...	30.01	40	ESE	2	z,c	29.84	-20	41	40	+10	SE	5	ou	2	c	44	29	*	-	
	Nairn ...	29.97	43	Z	0	z,c	29.86	-17	43	40	+8	Z	0	0	0	c	50	33	*	-	
	Aberdeen ...	30.07	39	SSE	2	c	29.96	-11	40	39	+2	SSE	4	agg,r	4	c	43	38	1.4	-	
	Leith ...	30.03	43	E	2	0	29.91	-14	43	42	+1	ENE	1	om	*	c	44	39	*	0.01	
	North Shields ...	30.04	41	E	2	0	29.99	-03	40	39	-1	S	2	0	2	0	43	40	*	-	
	Spurn Head ...	30.04	40	ENE	3	0	30.05	+06	41	40	0	SE	3	fd	3	0	44	38	*	-	
FRANCE.	Yarmouth ...	30.01	41	ENE	3	f	30.07	+09	41	40	-2	SSE	3	cf,g	3	f	45	38	*	-	
	Loughborough ...	30.04	45	ENE	3	0	30.04	+01	43	42	+3	SE	2	og,mur	*	c,om,g	52	40	*	-	
	Oxford ...	30.04	48	SE	1	0	30.04	+01	43	42	-3	SE	2	0	*	f,o	50	42	*	-	
	London (Brixton) ...	30.02	48	S	1	gf	30.07	+04	43	42	-1	SE	1	og	*	gf,o	49	41	0.0	-	
	The Scaw (Skagen) ...	29.95	34	NW	1	z	30.13	+49	31	30	-5	ESE	2	z	0	z	37	30	*	-	
	Fanö ...	30.04	30	NW	2	z	30.12	+24	28	28	-7	SE	1	m	*	z	41	28	*	-	
	Cuxhaven ...	29.99	37	NW	3	z	30.13	+14	31	30	0	SW	1	z	*	z	37	30	*	-	
	The Helder ...	30.04	39	NE	1	z	30.13	+13	32	31	-7	NE	1	f	0	z	43	30	*	-	
	Brussels ...	*	*	*	*	*	30.13	+05	38	37	+4	E	2	0	*	0	45	33	*	-	
	Berlin ...	29.82	34	NW	3	c	30.12	+13	32	29	+4	NW	4	c	*	c	36	28	*	0.04	
SPAN. PEN.	Frankfurt ...	30.04	41	W	2	0	30.16	+06	33	31	+4	NE	2	z	*	0	46	29	*	-	
	Munich ...	29.99	34	SW	4	z	30.11	+04	30	28	+5	SW	2	z	*	z	39	25	*	-	
	C. Gris Nez ...	30.06	43	W	2	0	30.09	+04	39	39	0	SSE	3	0	2	0	55	39	*	-	
	Brest ...	29.98	48	ESE	1	0	30.01	+01	46	46	0	ESE	2	0	2	0	55	46	*	-	
	Lorient ...	29.99	48	SSE	2	c	30.01	+02	44	42	-2	SE	1	0	2	c	55	43	*	-	
	Rochefort ...	29.95	54	N	2	z,c	29.97	0	40	40	-2	NNE	2	0	*	z,c	63	37	*	-	
	Biarritz ...	29.95	55	NNE	2	z	30.03	+04	53	52	+4	SW	2	0	2	z	57	48	*	-	
	Paris ...	30.05	45	NE	2	0	30.08	0	34	32	+4	NNE	1	z,c	*	z,c	53	30	*	-	
	Belfort ...	29.99	40	ENE	2	z	30.08	+02	30	28	+4	ENE	4	m	*	z	47	26	*	-	
	Lyons ...	30.09	42	NNE	1	z	30.07	-06	36	33	+3	NE	1	z,c	*	z	48	30	*	-	
SPAN. PEN.	Nice ...	29.94	45	SW	3	z	29.90	0	44	40	-1	E	1	c	2	z	55	37	*	-	
	Perpignan ...	29.95	51	S	2	0	29.98	+07	40	39	-12	S	2	0	*	0	62	36	*	-	
SPAN. PEN.	Corunna ...																	*	-		
SPAN. PEN.	Lisbon ...																	*	-		
SPAN. PEN.	Azores (P. Delgada) ...	30.36	51	NNW	3	z	30.36	+11	55	47	+6	SW	3	0	3	z	57	48	*	-	

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

\* Observations for this column not generally received. m (art) † Observations received too late for insertion in Charts on next page



FOR Wednesday 12<sup>th</sup> MARCH, 1902

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

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

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

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

SEA.—Rough  : High 

TEMPERATURE.—Isotherms are drawn for each 10°.

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

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

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

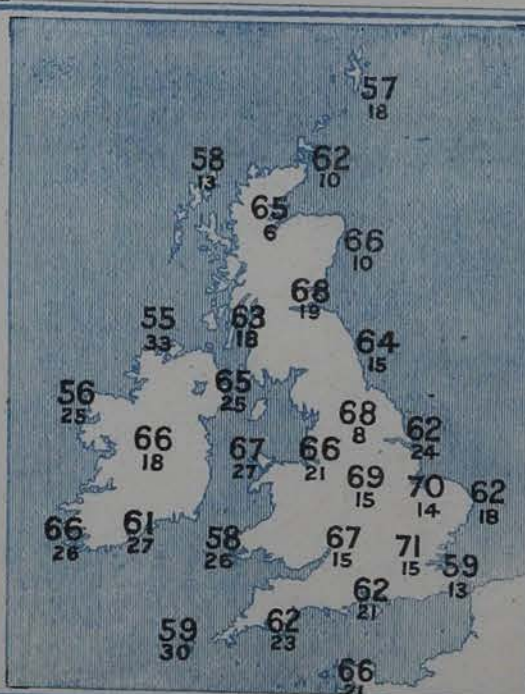


*Yesterday morning.*



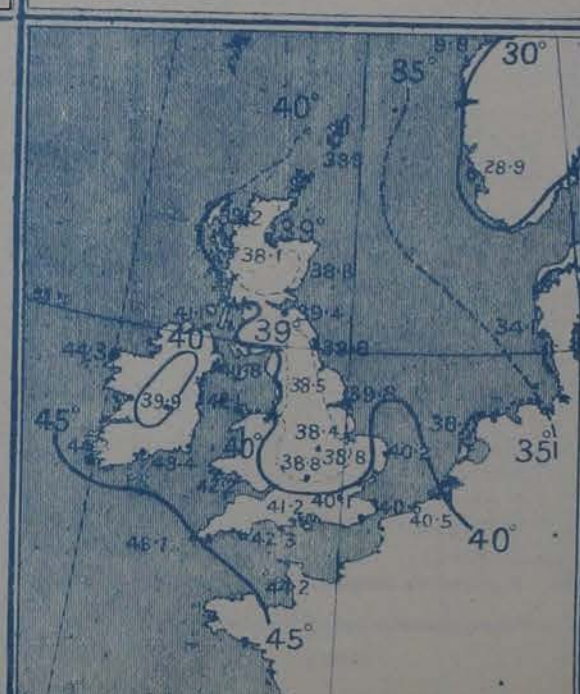
Specimen	{	Highest Maxc,	64
(for Shields)		Lowest Min,	15

*Malin Head & Blacksod Balmullet Values are for only 15 Yrs.*



at 8 A.M. for the monthly period

MARCH (1871-1900.)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

Barometric pressure has now become highest, above 30.2 ins., in an anticyclone which has been formed over the south of Sweden, while the lowest readings, 29.8 ins. and less, are found in a disturbance which has advanced to a position off our northwest coast. Gradients are slight generally, but are increasing a little over the northern parts of the Kingdom. The barometer is rising over our area as a whole, but falling slowly in the immediate neighbourhood of the cyclonic system.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

Light SE<sup>4</sup> winds prevail over the eastern and southern counties of England and also in the west of France, but in the west and north of our Islands the wind draws into south and in one or two exposed places blows freshly. Over Scandinavia there is a feeble anticyclonic circulation. Temperature is again above the normal value over the United Kingdom, the readings ranging from 49° at Scilly and 47° in the south of Ireland to 40° at Shields and Aberdeen and to 39° at Sumburgh Head. At Birrity the thermometer stands at 53°, but over central France and at the German stations the values are a little above or below the freezing point. In Sweden the thermometer has fallen quickly and is as low as 8° at Stockholm and -17° at Haparanda. The weather is fine and bright in some continental localities, but cloudy or dull over the greater part of our Islands, with mist in many places and with fog and drizzling rain at Holyhead and Spurn Head. Rain is also falling at Aberdeen and passing showers at Scilly. The sea is moderate to smooth generally.

The maximum temperatures recorded yesterday did not exceed 45° on the east coast of Great Britain, but were again as high or a little higher than 50° at many southern and western stations and also at Nairn. Rain has been experienced over Ireland and in some parts of the west of England, but the amounts were extremely small. Bright sunshine was entirely absent from the greater part of the Kingdom during yesterday, but slight amounts were registered at some western stations as well as at Lowestoft and Jersey.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The disturbance in the northwest is likely to move away northwards, and, at the same time to spread eastwards over Scotland. Rain is therefore probable in all the more northern and northwestern districts, but over the greater part of England the weather will continue dry for the present.

## FORECASTS \*

For the 24 hours ending at NOON on 13 March, 1902

### DISTRICTS.

### FORECASTS.

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

Moderate or fresh winds mainly from the S<sup>d</sup>; mild, changeable, some rain.

S<sup>4</sup> or SE<sup>4</sup> winds, light; cloudy or dull, slight rain locally.

SE<sup>4</sup> winds, light; rather mild, cloudy or dull, with local mists.

### DISTRICTS.

### FORECASTS.

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

Same as Nos. 0 and 1.

S<sup>4</sup> or SE<sup>4</sup> winds, light or moderate; fair generally, but some rain in places. Mild.

Light to fresh winds from between S. and SW. changeable, some rain. Mild.

### WARNINGS

NONE ISSUED

Note.—The South Cone, point downwards (  $\nabla$  ), 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.	Rainfall
					Ins.	Change.	Dry.	Wat.	Change.					Max. °	Min. °	Hrs.	Ins.
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	c	*	of	46	38	0.5	-
Newton Reigny (Pentrich)	29.99	44	SE 3	o	29.95	- .05	40	39	+ 2	SE 2	m	*	om	45	37	0.0	-
Bath	30.04	47	W 1	c	30.01	- .03	45	42	- 2	SE 1	Se	*	c	64	41	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.	49	37	c	0.1	-	Worthing	*	*	*	0.0	*
Birmingham, 9 p.m.	51	40	o	0.0	-	Llandudno	*	*	*	0.0	*
Lowestoft, 6 p.m.	46	39	c	1.8	-	Rhyl	*	*	*	2.3	*
Hastings	*	*	*	0.0	*	Southport, 9 p.m.	51	34	o, c, od	0.5	0.02
Eastbourne	*	*	*	0.0	*	Manchester, 9 p.m.	49	37	o	1.0	-
Brighton	*	*	*	0.0	*	Darwen, 9 p.m.	47	34	o	0.8	-

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

STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal)	64	48	bc	b	Algiers	68	50	b	c
Madrid	66	37	b	c	Tunis	59	52	bc	o
Corsica (I. Sanguinaires)	61	48	m	f	Vienna	37	25	b	bc
Rome	60	39	b	b	St. Petersburg	10	-2	b.	s
Florence	60	37	b	b	10 March -02				1 p.m.
Trieste	59	36	c	b	Lugano	52	-	o	-
Brindisi	58	44	o	o	Davos	28	-	o	0.91
Naples	60	39	b	bc	Lucerne	37	-	o	0.16
Palermo	68	45	b	o	Lausanne	39	-	o	0.16

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

12. Mch. 1902	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	6.18	12.3	5.48
Greenwich	6.24	12.10	5.56
Wick	6.41	12.22	6.3
Valencia	7.5	12.51	6.37

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 Thursday, 13<sup>th</sup> March, 1902.

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

STAT'ONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)											PAST 24 HOURS.				
		BAROM.		TEMP.		WIND.	BAROMETER.		TEMPERATURE.				WIND.		Sea (0 to 9.)	Weather.	TEMP.		Sun- shine. Hours	Rainfall. Ins.		
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		Weather.	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)			Weather.	Max.			Min.	
																						Ins.
SCANDINAVIA.	Haparanda	29.91	7	Z	0	bc	30.10	+0.07	-5	-7	+12	NW	2	bc	*	bc	14	-20	*	-		
	Hernösand	30.03	14	Z	0	bc	30.10	-0.04	15	14	+3	Z	0	bc	*	bc	23	7	*	-		
	Stockholm	30.29	14	Z	0	bc	30.21	0	18	16	+10	WSW	2	bc	*	bc	19	7	*	-		
	Wisby	30.25	16	E	2	bc	30.28	+0.16	23	21	+4	SW	4	bc	*	bc	30	14	*	-		
	Karlstad	30.20	24	SE	2	bc	30.23	+0.02	26	25	+7	SW	2	bc	*	bc	30	14	*	-		
	Færder (X'ania Fjord)	30.19	31	SSW	3	bc	30.19	+0.05	32	32	+2	S	2	m	1	bc	32	30	*	-		
	Bodö	29.99	36	W	3	bc	29.91	-0.08	35	32	+14	S	4	bc	2	bc	36	21	*	0.39		
	Christiansund	30.08	33	SE	2	bc	29.86	-0.26	30	27	-6	SE	4	bc	4	bc	39	28	*	-		
	Skudesnaes	30.11	37	S	6	bc	30.02	-0.10	35	35	+3	S	8	bc	5	bc	41	32	*	-		
	Sumburgh Head	29.77	39	SSE	5	bc	29.62	-0.33	41	39	+2	SSW	4	bc	6	bc	42	37	*	0.17		
Stornoway	29.68	43	SW	4	bc	29.36	-0.40	44	40	-1	S	5	bc	4	bc	47	37	0.0	0.12			
Malin Head	29.72	44	W	7	cgp	29.51	-0.22	44	43	-1	SW	8	cgp	5	bc	48	39	*	0.02			
Blacksod Pt.	29.81	45	WSW	5	bc	29.65	-0.12	46	43	-1	WSW	7	cgp	6	bc	50	43	*	0.43			
Valencia	29.91	47	SW	1	bc	29.82	-0.06	44	42	-2	SSW	3	bc	5	bc	51	43	5.5	0.24			
BRITISH ISLANDS.	Roche's Point	29.95	47	SW	3	bc	29.85	-0.06	47	45	0	W	3	bc	5	bc	51	44	*	0.04		
	Parsonstown	29.89	46	W	2	bc	29.80	-0.07	42	41	-3	S	1	bc	*	bc	53	39	5.2	0.09		
	Donaghadee	29.81	46	SSW	2	bc	29.69	-0.15	46	44	+1	SSW	4	cgp	4	bc	50	36	*	0.10		
	Liverpool Obsy.	29.95	47	SSW	2	bc	29.92	-0.06	43	41	0	SE	2	bc	*	bc	51	41	*	0.01		
	Holyhead	29.92	46	SW	2	bc	29.86	-0.08	46	45	+2	S	5	bc	3	bc	49	43	*	0.02		
	Pembroke (St. Ann's)	29.95	46	SW	4	bc	29.93	-0.01	46	45	+1	S	5	bc	4	bc	48	45	3.9	-		
	Scilly (St. Mary's)	30.02	53	WNW	2	bc	29.99	+0.03	48	47	-1	SSW	4	bc	5	bc	57	46	5.9	-		
	Jersey (St. Aubins)	30.04	49	Z	0	bc	30.09	+0.04	43	41	-3	NE	1	bc	1	bc	53	36	2.1	-		
	Portland Bill	30.05	44	ESE	1	bc	30.03	+0.06	43	43	-1	SSE	1	bc	1	bc	47	41	*	0.06		
	Dungeness	30.05	44	S	1	bc	30.09	+0.02	41	41	-2	NE	1	bc	1	bc	48	33	*	-		
Wick	29.67	42	SSE	3	bc	29.57	-0.27	41	38	0	SSE	4	bc	4	bc	44	38	*	0.02			
Nairn	29.66	46	S	2	bc	29.53	-0.33	44	39	+1	SSW	3	bc	1	bc	50	34	*	-			
Aberdeen	29.78	41	SSE	3	bc	29.73	-0.23	42	40	+2	SSE	3	bc	4	bc	43	35	0.0	0.01			
Leith	29.78	46	S	2	bc	29.72	-0.19	45	41	+2	SSE	3	bc	*	bc	49	37	*	0.03			
North Shields	29.89	44	S	3	bc	29.88	-0.11	41	40	+1	SE	2	bc	2	bc	45	40	*	-			
Spurn Head	29.99	44	SSE	4	bc	29.99	-0.06	40	39	-1	S	3	bc	3	bc	45	39	*	-			
Yarmouth	30.04	41	SSE	3	bc	30.05	-0.02	38	37	-3	SSW	2	bc	3	bc	42	35	*	-			
Loughborough	30.00	47	S	2	bc	30.04	0	39	38	-4	SE	2	bc	*	bc	51	37	*	0.04			
Oxford	30.05	47	SW	2	bc	30.08	+0.04	38	38	-5	S	2	bc	*	bc	53	37	*	0.01			
London (Brixton)	30.04	49	S	1	bc	30.08	+0.01	41	38	-2	S	1	bc	*	bc	54	35	0.2	-			
GERMANY, &c.	The Scaw (Skagen)	30.23	32	SSW	2	bc	30.24	+0.11	32	31	+1	SSW	3	bc	1	bc	36	30	*	-		
	Fanö	30.22	31	SE	4	bc	30.25	+0.13	29	28	+1	SSE	5	bc	*	bc	39	28	*	-		
	Cuxhaven	30.19	36	Z	0	bc	30.27	+0.14	29	28	-2	S	3	bc	*	bc	39	27	*	-		
	The Helder	30.12	39	ESE	1	bc	30.13	0	35	34	+3	SSE	1	bc	0	bc	45	32	*	-		
	Brussels	*	*	*	*	*	30.14	+0.01	38	35	0	SE	2	bc	*	bc	50	32	*	-		
	Berlin	30.19	29	NNE	3	bc	30.37	+0.25	23	21	-9	SE	2	bc	*	bc	37	19	*	0.08		
	Frankfurt	30.15	38	NE	2	bc	30.23	+0.07	32	30	-1	ENE	2	bc	*	bc	48	30	*	-		
Munich	30.11	32	SE	3	bc	30.19	+0.08	27	26	-3	SE	4	bc	*	bc	39	23	*	-			
FRANCE.	C. Gris Nez	30.08	41	S	1	bc	30.09	0	42	41	+3	SSW	3	bc	2	bc	57	39	*	0.24		
	Brest	30.02	50	S	1	bc	30.10	+0.09	45	44	-1	Z	0	bc	2	bc	52	43	*	-		
	Lorient	30.05	47	W	1	bc	30.08	+0.07	46	45	+2	NE	1	bc	0	bc	52	44	*	-		
	Rochefort	29.98	51	N	2	bc	30.05	+0.08	43	42	+3	NE	2	bc	*	bc	55	37	*	-		
	Biarritz	30.06	52	Z	0	bc	30.12	+0.09	50	47	-3	WNW	3	bc	0	bc	55	48	*	0.04		
	Paris	30.05	48	NE	2	bc	30.10	+0.02	36	34	+2	W	1	bc	*	bc	57	34	*	-		
	Belfort	29.99	41	ENE	4	bc	30.12	+0.04	30	28	0	ENE	4	bc	*	bc	48	28	*	-		
SPAN. PEN.	Lyons	30.03	45	NE	1	bc	30.13	+0.06	36	32	0	N	1	bc	*	bc	51	33	*	-		
	Nice	29.93	47	E	2	bc	30.07	+0.17	45	41	+1	E	2	bc	2	bc	55	37	*	-		
	Perpignan	29.96	59	NW	3	bc	30.05	+0.07	54	50	+14	NW	2	bc	*	bc	67	40	*	-		
	Corunna	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
Lisbon	30.04	51	NNW	4	bc	30.09	+0.05	54	51	-1	N	5	bc	*	bc	57	50	*	0.16			
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 13<sup>th</sup> March, 1902

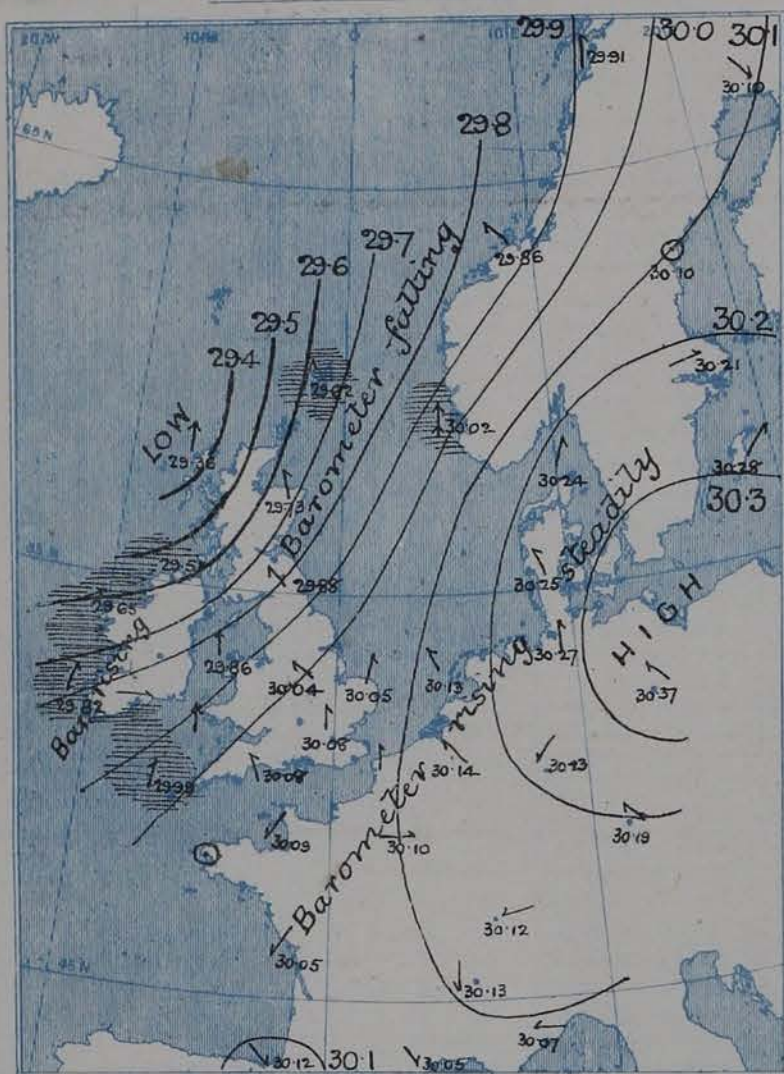
## I. BAROMETER, WIND AND SEA. This Morning

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

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

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

SEA. Rough → : High →



## II TEMPERATURE AND WEATHER This Morning

TEMPERATURE.—Isotherms are drawn for each 10°.

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

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.8



## III BAROMETER AND WIND

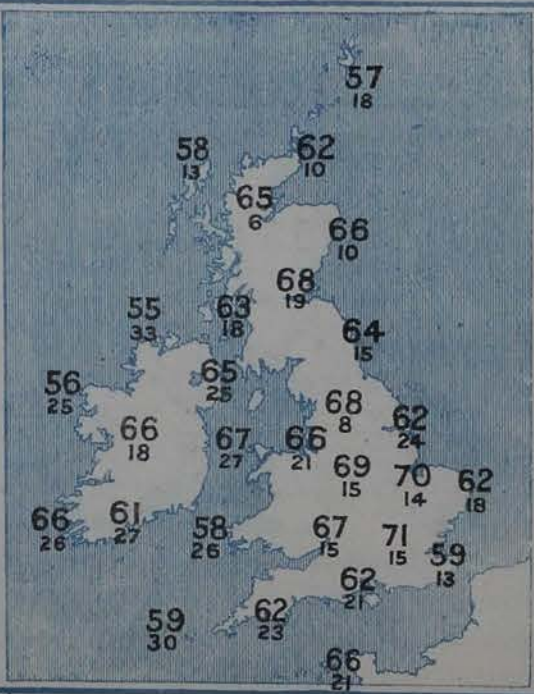
Yesterday morning.



## IV EXTREMES OF TEMPERATURE in month of MARCH (1871-1900)

Specimen { Highest Max, 64  
(for Shields) { Lowest Min, 15

Malin Head & Blacksod B. Bu. Values are for only 15 Yrs.



## V. Means of DAILY TEMPERATURE

at 8 A.M. for the monthly period

MARCH (1871-1900)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The highest pressures are now situated over the western part of Germany and the southern part of the Baltic, where the barometer is above 30.3 ins. The lowest readings are still shown over the extreme northwest coasts of Scotland, where the barometer has fallen to below 29.4 ins. Pressure is increasing over the major portion of our area, but falling in Scotland and also on the Norwegian coast. Gradients are rather steep in Scotland and the north of Ireland, as well as over the northern part of the North Sea, but moderate to slight elsewhere.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The winds over our Islands are consequently S<sup>W</sup> or S<sup>W</sup><sup>W</sup>, and although they blow freshly in the west generally and with the force of a slight gale in the north of Ireland, they are very light in the east and south. To the eastward of the North Sea the wind is mainly S<sup>W</sup> and at Skudesnæs is reported to be blowing a gale. At the French stations light NE<sup>W</sup> or variable airs are prevalent. Temperature is still a little above the mean value over the greater part of the United Kingdom, the readings ranging from 48° at Scilly and 46° or 47° at several western stations to 39° at Loughborough and 38° at Oxford and Falmouth. In most continental regions temperature continues low; at Paris and Lyons it is 36°, and at Munich and Berlin 27° and 23° respectively, while at Stockholm it is 18° and at Haparanda -5°. The sky is cloudy or overcast over our area as a whole but clear in most parts of Sweden as well as at some German and French stations. Fog prevails at Dungeness and Shields and squalls and showers are reported over the north of Ireland. The sea is rough in the extreme west and north, moderate to smooth elsewhere.

The maximum temperatures registered over the east of England yesterday were again no higher than 45°, but those in the west and south were again above 50°. Rain was experienced at most western and northern stations, and also over central England, but the amounts, except at Blackpool, were small. More than 5 hours of bright sunshine were recorded over Ireland; in other parts the amounts were small.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The cyclonic disturbance in the northwest will probably move away NNE<sup>W</sup> without causing any further serious increase of wind. The weather seems likely, however, to continue in an unsettled condition in the west and north where other disturbances may be expected to appear before long.

## FORECASTS \*

For the 24 hours ending at NOON on 14<sup>th</sup> March, 1902

### DISTRICTS.

### FORECASTS.

0	{ SCOTLAND NORTH	S <sup>W</sup> and S <sup>W</sup> <sup>W</sup> winds of varying force; unsettled rain in places. Rather mild.
1	{ SCOTLAND EAST	
2	{ ENGLAND N.E.	S <sup>W</sup> winds, light or moderate; fair as a whole.
3	{ ENGLAND EAST	Wind light and mainly S <sup>W</sup> or S <sup>E</sup> <sup>W</sup> , rather mild, and fair as a whole.
4	{ MIDLAND COUNTIES	
5	{ ENGLAND SOUTH	

### DISTRICTS.

### FORECASTS.

6	{ SCOTLAND WEST	Same as Nos. 0 and 1.
7	{ ENGLAND N.W.	
8	{ ENGLAND S.W.	S <sup>W</sup> winds, moderate; mild, unsettled, some rain in places.
9	{ IRELAND NORTH	Same as Nos. 0 and 1.
10	{ IRELAND SOUTH	

### WARNINGS

NONE ISSUED.

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

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



# ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.				THIS MORNING 8 A.M.							PAST 24 HOURS.					
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet. °	Change.					Max. °	Min. °		
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	3	*	c, 3c	46	38	4.2	-
Newton Reigny (Penrith)	29.87	43	SSW 4	7	29.86	- .09	41	39	+ 1	SW 2	c	*	ogm, cp	45	35	0.0	0.00
Bath	30.02	41	W 2	0	30.08	+ .07	45	43	0	SW 1	c	*	0	50	36	0.0	0.01

## 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.	46	38	m	0.0	-	Worthing	*	*	*	1.5	*
Birmingham, 9 p.m.	48	42	3	0.0	0.08	Llandudno	*	*	*	2.4	*
Lowestoft, 6 p.m.	42	38	co	0.0	-	Rhyl	*	*	*	2.8	*
Hastings	*	*	*	1.2	0	Southport, 9 p.m.	51	42	od, c, op, c	0.7	0.04
Eastbourne	*	*	*	0.8	*	Manchester, 9 p.m.	*	*	*	*	*
Brighton	*	*	*	1.5	*	Darwen, 9 p.m.	46	39	0	0.0	-

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

STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal)	64	48	c 6c	Ins.	Algiers	66	54	6c c	Ins.
Madrid	63	41	c 0	-	Tunis	59	39	6c c	-
Corsica (I. Sanguinaires)	59	46	f f	-	Vienna	39	32	6 s	-
Rome	51	33	6 6	-	St. Petersburg	27	-8	6 6	-
Florence	53	32	6 6	-	11 March: 02				Measured 7 a.m.
Trieste	52	36	6 6	-	Lugano	52	-	6	-
Brindisi	49	33	c 6	-	Davos	30	-	6	-
Naples	51	33	6 6	-	Lucerne	41	-	6	0.12
Palermo	57	37	0 0	0.08	Lausanne	41	-	6	0.16

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

13 March 1902	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
	h. m.	h. m.	h. m.
Yarmouth	6.16	12.3	5.50
Greenwich	6.22	12.10	5.58
Wick	6.38	12.22	6.5
Valencia	7.3	12.57	6.39

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

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

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

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

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

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



# DAILY WEATHER REPORT

for 8 a.m. on Friday, 14<sup>th</sup> March

1902.

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.	Dry	Force (0 to 12.)	Dirac.	Weather.	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dires.	Force (0 to 12.)	Weather.			Max.	Min.		
	Ins.						Ins.	Ins.	°	°										
SCANDINAVIA.	Haparanda ...	29.88	9	S	2	c	29.65	-.45	9	9	+14	S	2	bc	*	c	16	-17	*	-
	Hernösand ...	29.97	24	S	2	bc	29.73	-.37	33	31	+18	S	2	o	*	bc	33	12	*	-
	Stockholm ...	30.31	29	Z	0	bc	30.13	-.18	26	25	+8	SW	4	o	*	bc	34	12	*	-
	Wisby ...	30.34	33	SW	4	bc	30.29	+.01	30	27	+7	SW	8	bc	*	bc	36	16	*	-
	Karlstad ...	30.25	31	SSW	6	o	30.08	-.15	29	27	+3	SSW	6	o	*	o	*	*	*	-
	Färder (X'iania Fjord) ...	30.17	34	S	4	o	29.99	-.20	31	31	-1	SSW	6	S	3	o	34	31	*	-
	Bodö ...	29.76	33	ESE	2	o	29.54	-.37	37	33	+2	SE	5	o	2	o	37	28	*	-
	Christiansund ...	29.72	40	WSW	2	bc	29.54	-.32	43	38	+13	WSW	6	c	5	bc	43	30	*	-
BRITISH ISLANDS.	Skudesnaes ...	29.97	38	S	10	of	29.84	-.18	38	38	+3	S	6	m	5	o	38	34	*	-
	Shmburgh Head ...	29.39	45	SSW	7	c	29.53	-.09	42	40	+1	SSW	3	o	6	c, c, g	46	40	*	0.04
	Stornoway ...	29.53	42	W	4	g, r	29.53	+.17	43	40	-1	SW	3	o	2	r, r, g	50	38	1.7	0.48
	Malin Head ...	29.70	46	W	7	bc, g, r	29.70	+.19	42	42	-2	S	6	bc	3	c, bc, g, r	48	42	*	0.01
	Blacksod Pt. ...	29.78	48	SW	5	bc	29.73	+.08	46	44	0	SSW	5	bc	4	bc, bc	50	43	*	0.01
	Valencia ...	29.89	48	SW	2	bc	29.82	0	46	43	+2	Z	0	og	4	bc, bc	53	43	7.1	0.01
	Roche's Point ...	29.89	48	SW	3	bc	29.86	+.01	41	39	-6	SSE	1	bc	4	bc	52	35	*	-
	Parsonstown ...	29.87	49	W	2	bc	29.84	+.04	36	35	-6	SW	1	c	*	bc	53	33	7.0	-
GERMANY, &c.	Donaghadee ...	29.82	50	SSW	3	cp	29.83	+.14	41	40	-5	W	2	cu	3	cp, bc	51	36	*	-
	Liverpool Obsy. ...	29.94	47	SSW	1	r	29.89	-.03	45	45	+2	S	2	o	2	bc, p	52	42	*	0.20
	Holyhead ...	29.90	45	SW	2	cm	29.87	+.01	44	44	-2	WSW	1	cf	1	r, cm	46	41	*	0.20
	Pembroke (St. Ann's) ...	29.92	47	SSW	5	o	29.89	-.04	45	44	-1	SW	4	c	4	o, r, m	48	42	?	0.14
	Scilly (St. Mary's) ...	29.94	50	S	5	om	29.91	-.08	48	48	0	SSE	3	pm	5	o, om	54	46	1.3	0.01
	Jersey (St. Aubins) ...	30.11	50	WSW	2	cg	30.08	-.01	47	45	+4	S	3	og, g	3	c, cg, w	54	40	4.0	0.02
	Portland Bill ...	30.08	45	SSW	2	c	30.01	-.07	45	45	+2	SSE	3	rm	3	c	50	43	*	0.06
	Dungeness ...	30.08	46	WSW	1	c	30.09	0	44	44	+3	SW	2	bc	1	bc, c	53	35	*	-
FRANCE.	Wick ...	?29.49	45	SW	5	bc	29.57	0	43	42	+2	SSW	1	c	2	bc	47	34	*	-
	Nairn ...	29.62	42	SW	2	bc	29.59	+.06	45	42	+1	WSW	4	bc	2	bc	52	37	*	-
	Aberdeen ...	29.69	45	SW	3	bc	29.73	0	40	38	-2	S	2	og	3	bc, bc	50	38	5.2	-
	Leith ...	29.73	48	W	3	bc	29.77	+.05	45	41	0	SW	2	bc, m	*	bc	53	39	*	-
	North Shields ...	29.85	47	SSW	2	c	29.86	-.02	40	39	-1	SSW	1	c	2	o, r, c	52	39	*	0.01
	Spurn Head ...	29.94	47	S	4	c	29.93	-.06	44	43	+4	S	3	bc	2	c	48	38	*	-
	Yarmouth ...	30.04	46	S	3	cm	30.02	-.03	41	40	+3	SSW	3	bc, f	3	bc, cm	46	37	*	-
	Loughborough ...	29.99	48	S	3	bc	29.96	-.08	44	43	+5	S	3	c	*	o, c, bc	49	39	*	-
GERMANY, &c.	Oxford ...	30.05	46	S	2	o	30.00	-.08	44	43	+6	S	3	o	*	c	52	37	*	-
	London (Brixton) ...	30.06	49	WSW	2	bc	30.04	-.04	44	43	+3	S	2	bc	*	c, bc	58	37	2.4	-
	The Scaw (Skagen) ...	30.23	33	SSW	5	c	30.03	-.21	33	33	+1	SSW	6	o	2	c	36	32	*	-
	Fanö ...	30.19	31	SSE	7	bc	30.10	-.15	33	31	+4	SSE	6	o	*	bc	39	28	*	-
	Cuxhaven ...	30.26	38	SSE	4	bc	30.13	-.14	29	28	0	S	3	c	*	bc	39	28	*	-
	The Helder ...	30.11	43	SSE	1	m	30.06	-.07	36	35	+1	S	1	bc	1	m	50	30	*	-
	Brussels ...	*	*	*	*	*	30.15	+.01	40	35	+2	SSE	2	bc	*	bc	56	38	*	-
	Berlin ...	30.43	26	SE	2	bc	30.38	+.01	19	17	-4	SSE	3	bc	*	bc	34	16	*	-
FRANCE.	Frankfurt ...	30.28	39	E	2	bc	30.29	+.06	31	29	-1	E	2	bc	*	bc	50	30	*	-
	Munich ...	30.28	33	NE	4	c	30.29	+.10	24	23	-3	E	3	bc	*	c	41	21	*	-
	C. Gris Nez ...	30.09	43	S	2	bc	30.12	+.03	38	38	-4	SSW	3	bc	2	bc	55	37	*	-
	Brest ...	30.11	48	S	2	c	30.07	-.03	48	48	+3	SW	3	f	4	c	50	48	*	-
	Lorient ...	30.14	47	W	3	o	30.10	+.02	48	48	+2	SW	4	r	4	o	54	45	*	0.08
	Rochefort ...	30.12	50	NNW	3	c	30.19	+.14	47	45	+4	W	2	o	*	c	55	43	*	-
	Biarritz ...	30.21	53	W	1	o	30.27	+.15	51	47	+1	SSE	1	c	3	o	55	50	*	-
	Paris ...	30.12	52	SSE	2	bc	30.17	+.07	37	36	+1	Z	0	bc	*	bc	59	34	*	-
SPAN. PEN.	Belfort ...	30.13	43	NE	6	m	30.17	+.05	32	29	+2	Z	0	o	*	m	51	30	*	-
	Lyons ...	30.15	48	E	1	bc	30.26	+.13	40	37	+4	SSE	1	bc	*	bc	57	36	*	-
	Nice ...	30.14	48	Z	0	bc	30.25	+.18	48	44	+3	E	2	c	2	bc	57	43	*	-
	Perpignan ...	30.14	52	SE	2	o	30.24	+.19	50	45	-4	NNW	2	o	*	c	60	42	*	-
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 Friday 14<sup>th</sup> March, 1902

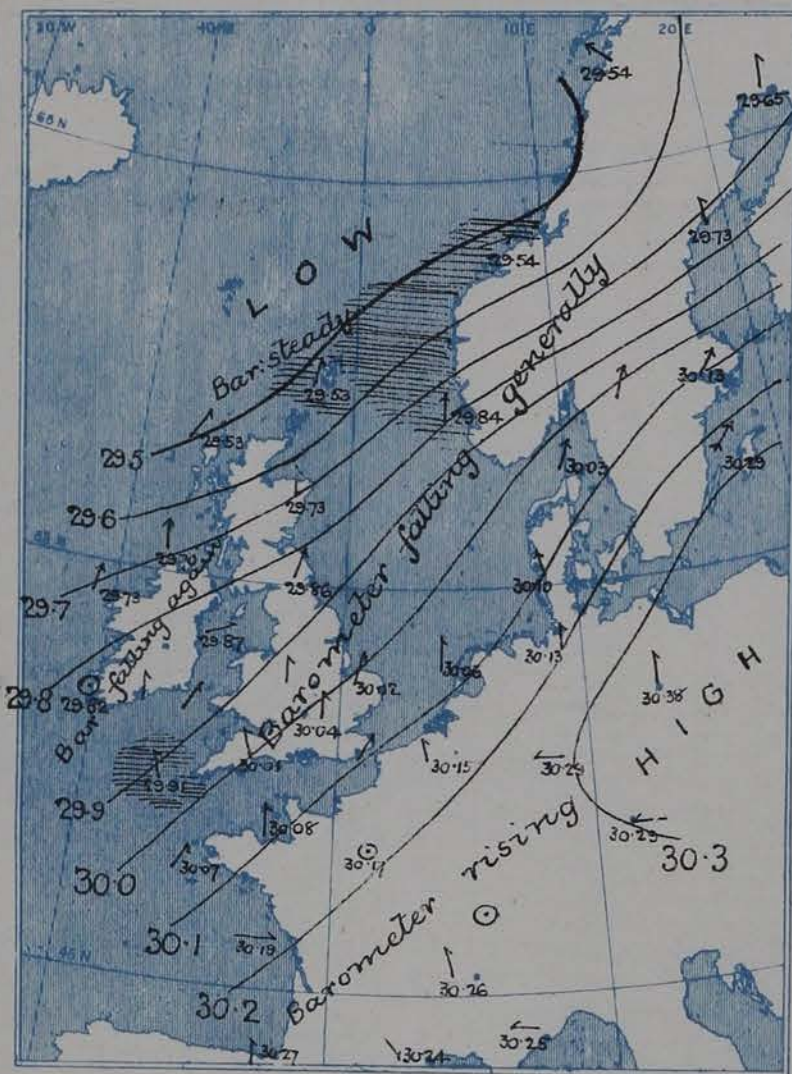
## I. BAROMETER, WIND AND SEA. This Morning

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

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

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

SEA.—Rough ≡ : High ≡

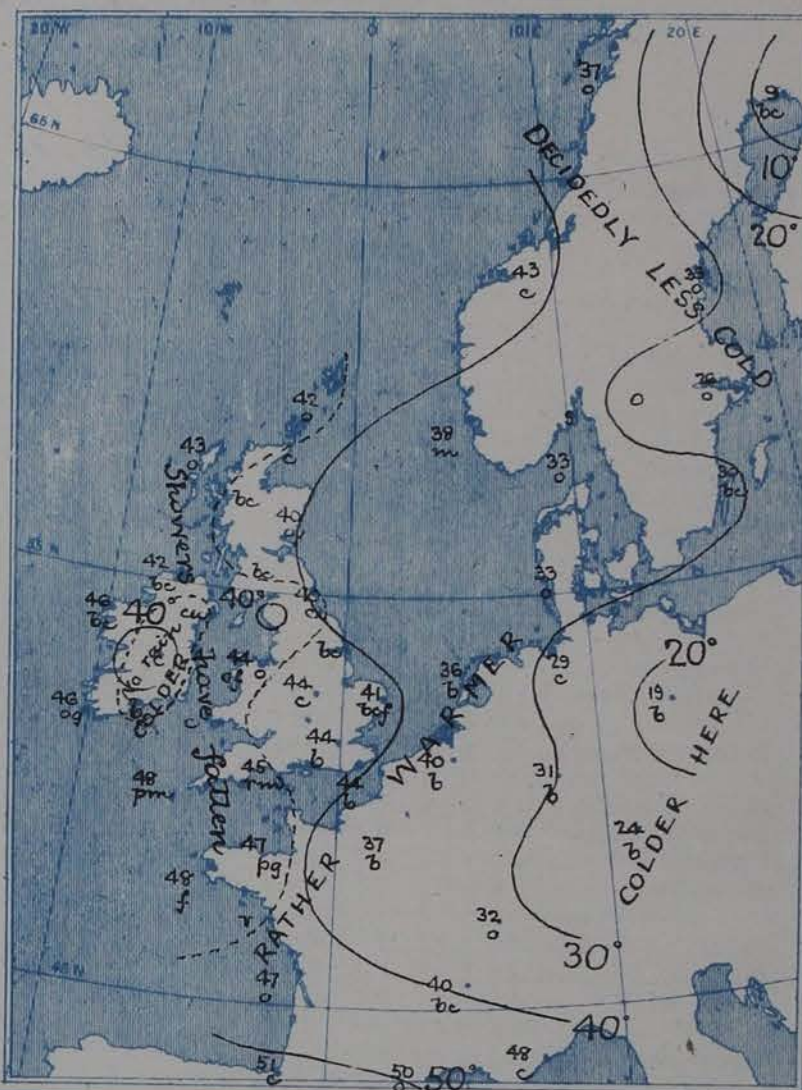


## II. TEMPERATURE AND WEATHER. This Morning

TEMPERATURE.—Isotherms are drawn for each 10°.

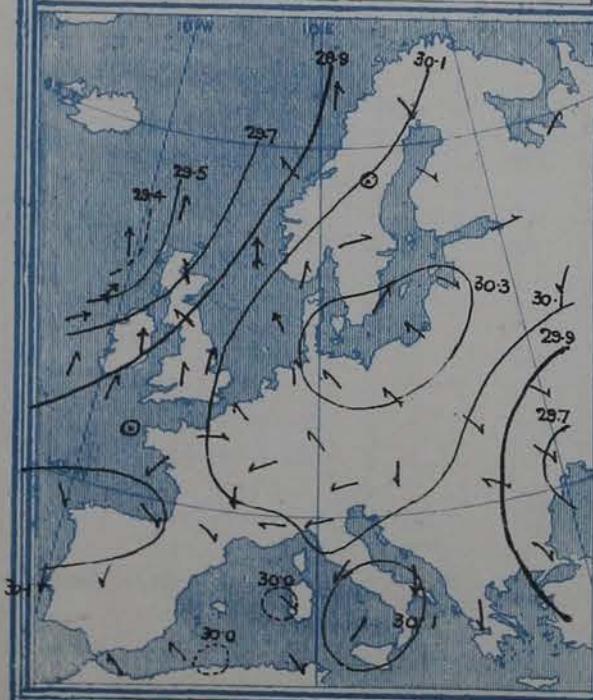
WEATHER.—Shown by Letters of the Beaufort Scale. (See P 4)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.8



## III. BAROMETER AND WIND

Yesterday morning.

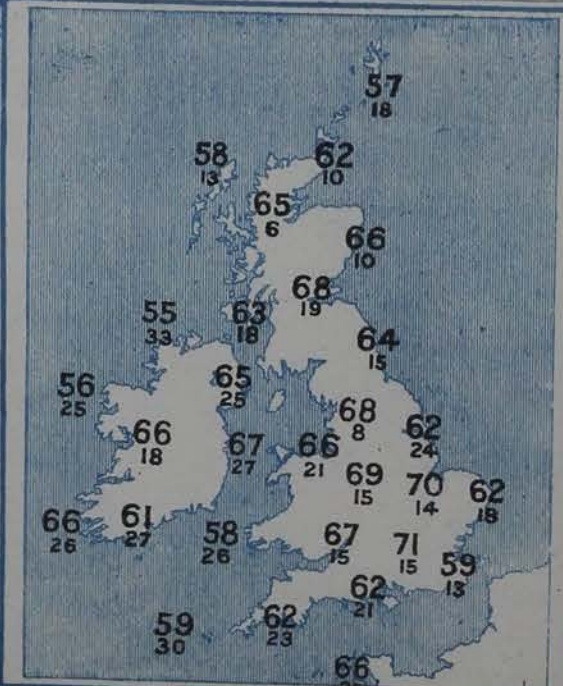


## IV. EXTREMES OF TEMPERATURE

in month of MARCH (1871-1900)

Specimen { Highest Max, 64  
(for Shields) { Lowest Min, 15

Malin Head & Blacksod: Beaufort Values are for only 15 Yrs.



## V. Means of DAILY TEMPERATURE

at 8 A.M. for the monthly period

MARCH (1871-1900.)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

Pressure continues highest, 30.3 ins. and upwards, over the Baltic and the greater part of Germany, while the lowest readings, 29.5 ins. and less, are now found in a cyclonic system lying off the north of Scotland and the north-west coast of Norway. The barometer, after rising at all our western stations yesterday, has since commenced to fall again and the fall seems to be spreading eastwards. Gradients are rather steep over Scandinavia, slight or moderate elsewhere.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is SW<sup>4</sup> or S<sup>4</sup> in all parts of our area, but draws into SE at Bodö, and is E<sup>4</sup> in the south of Germany. It blows freshly or strongly in the north of Ireland, and at many Scandinavian and Danish stations, but is light or moderate in all other regions. Temperature continues a few degrees above the normal in nearly all British localities and rather low on the Continent. At Scilly and Bath it is 48°, whence it decreases to 40° at Aberdeen and Shields and to 36° at Newton Reigny and Parsonstown. The highest reading at any of the continental stations is 51° at Brannitz, but the thermometer is below 40° over the central parts of France and below 30° at most German stations; at Berlin it is no higher than 19°. The Scandinavian readings range from 43° at Christianund to 26° at Stockholm and to 9° at Haparanda. The weather is fine and bright in many parts of the United Kingdom, Germany, and France, but cloudy or dull over the extreme north-west of Europe and on our southern and southwestern coasts. In the latter locality rain or passing showers are reported, while snow is falling in the neighbourhood of Christiania. The sea is rough in the extreme north, and rather so at the mouth of the English Channel, moderate to smooth elsewhere.

Maximum temperatures of 50° and upwards were very general over our Island and in London the thermometer rose to 58°. Slight rain has again fallen at many western and northern stations. Solar halos were seen yesterday at Jersey, Oxford, and Spurn Head. Bright sunshine was very prevalent in the south and southwest.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Another disturbance is evidently approaching our western coasts and this will probably extend a good deal eastwards over the Kingdom and cause rain in all districts, at first in the west and subsequently in the east.

## FORECASTS \*

For the 24 hours ending at NOON on 15<sup>th</sup> March, 1902

### DISTRICTS.

### FORECASTS.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	S <sup>4</sup> and SW <sup>4</sup> winds, increasing in force changeable, some rain mild.
1	SCOTLAND EAST	
2	ENGLAND N.E.	S <sup>4</sup> and SW <sup>4</sup> breezes; fair and mild in most places today; becoming less settled with rain locally by tomorrow.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

6	SCOTLAND WEST	S <sup>4</sup> and SW <sup>4</sup> winds, moderate or fresh mild, changeable, some rain.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	

### WARNINGS

At noon yesterday to parts of districts 0 and 1, "HOIST SOUTH CONE" and at 11.30 a.m. to the "South Cone" (S.E. round by S. to N.W.).

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

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



# ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.				THIS MORNING 8 A.M.							PAST 24 HOURS.					
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet. °	Change.					Max.	Min.		
Clacton-on-Sea											3		3	48	38	8.9	-
Newton Reigny (Penrith)	29.86	43	sw 3	c	29.86	0	36	35	- 5	se 1	3c		c	45	34	1.0	0.14
Bath	30.06	46	sw 1	3c	29.96	- 12	48	47	+ 3	st 1	o		3c	53	43	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.	51	38	c	0.6	-	Worthing				6.5	-
Birmingham, 9 p.m.	49	36	c	0.2	-	Llandudno				0.5	-
Lowestoft, 6 p.m.	48	36	bc	3.6	-	Rhyl				0.7	-
Hastings				8.8		Southport, 9 p.m.	53	39	or, c	0.3	0.16
Eastbourne				9.0		Manchester, 9 p.m.	51	37	or	0.7	0.13
Brighton	*	*	*	6.7	*	Darwen, 9 p.m.	49	37	3	0.6	0.43

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

STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal)	64	46	bc	bc	Algiers	73	55	6	0
Madrid	59	34	0	0	Tunis	64	43	bc	0
Corsica (I. Sanguinaires)	59	48	f	f	Vienna	39	23	0	0
Rome	55	38	c	bc	St. Petersburg	27	5	6	0
Florence	57	39	6	0	12 March 02 1 p.m.				Measured 7 a.m.
Trieste	54	49	6	0	Lugano	55	-	6	-
Brindisi	53	44	bc	c	Davos	32	-	6	-
Naples	54	43	6	6	Lucerne	46	-	6	-
Palermo	61	37	bc	0	Lausanne	45	-	6	-

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.					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.	14 March 1902	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
British Isles, Belgium, Holland	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.	Yarmouth	6.14	12.3	5.52
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Greenwich	6.19	12.10	5.59
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick	6.35	12.22	6.8
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.	Valencia	7.0	12.51	6.41
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, 15<sup>th</sup> March, 1902.*

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

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		BAROM.		TEMP.		WIND.	BAROMETER.		TEMPERATURE.				WIND.		Sea (0 to 9.)	Weather.	TEMP.		Sun- shine. Hours	Rainfall. Ins.	
		At 32° and M.S.L.	Dry Bulb.	Dirac.	Force (0 to 12.)		At 32° 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 ...	29.47	18	SW	2	bc	29.40	-25	19	18	+10	S	2	bc	*	bc	21	-2	*	-	
	Hernösand ...	29.65	33	Z	0	bc	29.56	-17	27	25	-6	Z	0	bc	*	bc	39	21	*	-	
	Stockholm ...	29.93	33	SW	2	o	29.78	-35	32	30	+6	SW	2	o	*	o	34	23	*	-	
	Wisby ...	30.08	31	SW	4	bc	29.86	-43	33	32	+3	S	4	c	*	bc	41	23	*	-	
	Karlstad ...	29.90	31	SW	4	o	29.70	-38	33	32	+4	S	2	o	*	s, o	41	23	*	-	
	Færder (X'ania Fjord) ...	29.88	34	S	4	f	29.65	-34	33	33	+2	S	2	f	2	f	34	31	*	0.04	
	Bodö ...	29.25	39	SSW	2	bc	29.32	-22	37	37	0	WSW	4	bc	2	bc	41	36	*	0.39	
	Christiansund ...	29.52	42	WSW	4	bc	29.51	-03	40	38	-3	SE	1	o	3	bc	46	39	*	0.08	
	Skudesnaes ...	29.77	38	SSE	4	bc	29.49	-35	39	38	+1	E	4	bc	3	bc	41	38	*	-	
	Sumburgh Head ...	29.51	43	WSW	3	o	29.38	-15	41	39	-1	W	2	bc	4	c, o	47	39	*	0.27	
BRITISH ISLANDS.	Stornoway ...	29.49	42	Z	0	o	29.54	+01	39	38	-4	WNW	4	bc	4	o	50	35	1.8	0.17	
	Malin Head ...	29.59	44	W	6	bc	29.73	+03	44	42	+2	NW	7	bc, p	5	bc, p	49	40	*	0.20	
	Blackod Pt. ...	29.68	48	WNW	3	bc	29.91	+18	47	44	+1	WNW	4	bc	4	p, m, bc	49	43	*	0.06	
	Valencia ...	29.77	49	SW	3	cp	30.03	+21	48	45	+2	W	3	bc	4	o, cp	50	45	0.9	0.08	
	Roche's Point ...	29.73	47	NW	4	bc	30.00	+14	44	41	+3	W	4	bc	5	bc	47	38	*	0.08	
	Parsonstown ...	29.70	47	WSW	2	o	29.93	+09	42	40	+6	W	3	bc	*	c	49	36	0.5	-	
	Donaghadee ...	29.67	47	SW	2	o	29.76	-07	42	39	+1	W	3	bc	3	c	49	37	*	0.01	
	Liverpool Obsy. ...	29.68	46	W	1	o	29.78	-11	42	41	-3	W	6	bc	4	c	51	41	*	-	
	Holyhead ...	29.69	44	W	1	c	29.83	-04	44	42	0	WNW	6	bc	4	c	47	41	*	0.06	
	Pembroke (St. Ann's) ...	29.58	44	N	5	bc	29.93	+04	45	43	0	WNW	5	bc	5	bc	48	42	?	0.48	
GERMANY, &c.	Scilly (St. Mary's) ...	29.64	53	SW	6	bc	30.05	+14	48	47	0	WNW	5	c	5	o, r, f	57	46	0.0	0.07	
	Jersey (St. Aubin's) ...	29.87	49	SSE	5	bc	30.01	-07	48	46	+1	W	5	o	4	c, o, r, f	52	45	0.4	0.53	
	Portland Bill ...	29.72	47	S	5	bc	29.92	+09	45	43	0	WNW	6	bc	4	o, p, m	47	43	*	0.45	
	Dungeness ...	29.90	47	SW	3	o	29.77	-32	46	45	+2	WNW	5	bc	5	o, o, r, f	51	41	*	0.40	
	Wick ...	29.50	47	SSW	1	c	29.47	-10	38	37	-5	WNW	1	bc	1	c	52	32	*	-	
	Nairn ...	29.51	48	SW	2	bc	29.53	-06	40	38	-5	SW	2	c	1	c	51	34	*	-	
	Aberdeen ...	29.59	44	SSW	2	o	29.51	-22	43	39	+3	W	3	bc	1	o, r	46	37	0.0	0.05	
	Leith ...	29.63	48	W	3	o	29.59	-18	43	40	-2	WSW	2	bc, m	*	c	53	37	*	0.01	
	North Shields ...	29.66	48	SSW	3	c	29.59	-27	41	39	+1	W	2	bc	2	o, c, p	52	38	*	0.01	
	Spurn Head ...	29.72	47	S	4	bc	29.53	-40	43	41	-1	WNW	7	bc	4	bc	51	41	*	0.57	
FRANCE.	Yarmouth ...	29.83	47	SSW	5	c	29.54	-48	43	42	+2	WNW	6	bc, p	4	bc, o	50	35	*	0.08	
	Loughborough ...	29.73	49	SSE	2	bc	29.73	-23	43	40	-1	WNW	5	bc	0	c, o, r, f, c	52	42	*	0.63	
	Oxford ...	29.62	48	S	3	bc	29.83	-17	44	40	0	W	3	bc	0	c, r	51	42	*	0.35	
	London (Brixton) ...	29.82	49	S	4	bc	29.79	-25	45	42	+1	NW	5	bc	0	bc, o, r, f	57	42	3.7	0.47	
	The Scaw (Skagen) ...	29.89	36	SW	3	bc	29.65	-38	37	37	+4	S	3	m	1	bc	37	33	*	0.12	
	Fanö ...	29.93	37	S	2	bc	29.58	-52	36	35	+3	SE	4	o	*	bc	39	32	*	-	
	Cuxhaven ...	30.03	43	S	2	bc	29.62	-51	39	37	+10	S	4	o	*	bc	46	29	*	-	
	The Helder ...	29.94	46	S	1	bc	29.39	-67	42	42	+6	SW	5	bc	4	bc	48	36	*	0.20	
	Brussels ...	29.94	*	*	*	*	29.67	-48	38	38	-2	WSW	8	bc	*	bc	58	38	*	0.20	
	Berlin ...	30.17	33	SE	3	bc	29.93	-45	30	28	+11	SSE	3	bc	*	bc	37	12	*	-	
SPAN. PEN.	Frankfurt ...	30.12	42	SW	2	bc	29.86	-43	44	42	+13	SW	4	bc	*	bc	52	31	*	0.08	
	Munich ...	30.21	35	E	3	bc	30.07	-22	38	34	+14	W	4	bc	*	bc	45	24	*	-	
	C. Gris Nez ...	29.88	46	SW	4	bc	29.70	-42	42	41	+4	W	7	o	7	bc	54	38	*	0.51	
	Brest ...	29.88	49	WSW	5	bc	30.10	+03	49	49	+1	W	4	c	4	bc	50	48	*	0.67	
	Lorient ...	29.93	50	SW	6	bc	30.09	-01	46	46	-2	WNW	4	c	5	bc	52	45	*	1.14	
	Rochefort ...	30.16	51	SW	4	o	30.09	-10	50	49	+3	NW	4	o	*	o	55	41	*	0.28	
	Biarritz ...	30.26	54	Z	0	o	30.26	-01	55	48	+4	S	3	c	4	o	57	48	*	-	
	Paris ...	30.07	53	SW	2	bc	29.95	-22	46	43	+9	WSW	3	o	*	bc	61	37	*	0.12	
	Belfort ...	30.13	50	SW	3	bc	30.02	-15	44	42	+12	SW	5	bc	*	m	58	32	*	-	
	Lyons ...	30.16	52	S	6	bc	30.21	-05	42	41	+2	S	7	bc	*	c	61	42	*	0.08	
SPAN. PEN.	Nice ...	30.28	48	SE	3	bc	30.28	+03	47	41	-1	E	1	c	2	bc	55	43	*	-	
	Perpignan ...	30.26	52	NE	2	bc	30.28	+04	43	42	-7	SE	2	c	*	bc	63	39	*	-	
SPAN. PEN.	Corunna ...	30.29	53	NNW	5	bc	30.28	+03	53	49	-1	N	5	bc	*	bc	64	50	*	-	
	Lisbon ...	30.29	53	NNW	5	bc	30.28	+03	53	49	-1	N	5	bc	*	bc	64	50	*	-	
SPAN. PEN.	Azores (P. Delgada) ...	30.29	53	NNW	5	bc	30.28	+03	53	49	-1	N	5	bc	*	bc	64	50	*	-	
	Azores (P. Delgada) ...	30.29	53	NNW	5	bc	30.28	+03	53	49	-1	N	5	bc	*	bc	64	50	*	-	

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

\* Observations for this column not generally received.

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



# WEATHER CHARTS

FOR Saturday, 15<sup>th</sup> March, 1902

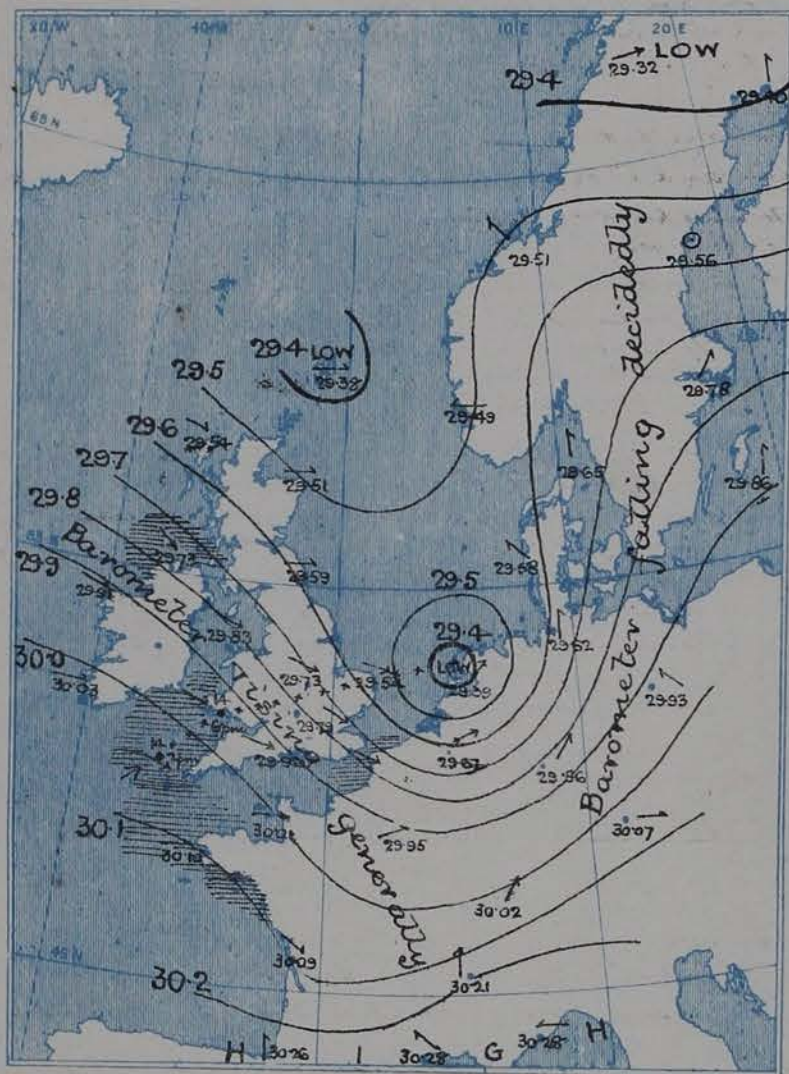
## I. BAROMETER, WIND AND SEA. This Morning

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

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

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

SEA.—Rough ≡ : High ≡



## II. TEMPERATURE AND WEATHER. This Morning

TEMPERATURE.—Isotherms are drawn for each 10°.

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

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



## III. BAROMETER AND WIND

Yesterday morning.



## IV. EXTREMES OF TEMPERATURE

in month of MARCH (1871-1900)

Specimen { Highest Max, 64  
(for Shields) { Lowest Min, 15

Malin Head & Blacksod: Balmullet Values are for only 15 Yrs.



## V. Means of DAILY TEMPERATURE

at 8 A.M. for the monthly period

MARCH (1871-1900)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The barometer is lowest, 29.4 ins. and less, in disturbances lying in the extreme north of our area, and also in a secondary system which has moved quickly ENE<sup>ds</sup> to the southern part of the North Sea. The highest readings, 30.2 ins. and upwards, are now situated over the southern part of France. The barometer is rising again over the United Kingdom and France, but still falling over Germany and to the eastward of the North Sea. Gradients are rather steep in the east and southeast, moderate to slight elsewhere.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind circulates round the cyclonic disturbance, being NW<sup>4</sup> or W<sup>4</sup> over our Islands, SW<sup>4</sup> over Germany and in the east of France, and S<sup>4</sup> or SE<sup>4</sup> over Denmark and Norway. It still blows strongly over the Netherlands, the greater part of England and the north of Ireland, but is light or moderate elsewhere. Temperature differs very little from the mean in the extreme north of our Islands, but continues a little above it in most other localities. The readings range from 48° at Scilly and Jersey and in the southwest of Ireland to 40° at Rarion and 38° at Wick. The continental readings vary from 55° at Biarritz to 30° at Berlin, and from 40° at Christiansund to 19° at Haparanda. The sky has cleared over the United Kingdom generally, but is cloudy or overcast in the extreme northwest, with rain in the Hebrides and showers at Malin Head. Over the continental portion of our area the weather is mostly dull, with rain in several places. The sea is rough in the southwest and south and rather so at Malin Head.

The highest of the maximum temperatures registered over our Islands yesterday were 57° at Scilly and in London, but at Paris the thermometer rose to 61°, and at Perpignan to 63°. Rain has fallen in almost all places; at many stations in the southern half of England the amount was about half an inch, while at Lorient it was as much as 1.14 ins. The wind increased greatly from the SW<sup>4</sup> in the south and southeast last evening or during the night and in some places attained the force of a gale. Excepting on our extreme southeastern coasts the amount of bright sunshine recorded was small.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The cyclonic disturbances will probably continue to travel away ENE<sup>ds</sup>; and the weather over our Islands will remain generally fair for a time, but the distribution of pressure is favourable for the advance of other systems from the southwestward or westward, so that the weather is likely to soon become unsettled again.

## FORECASTS \*

For the 24 hours ending at NOON on 16<sup>th</sup> March, 1902

### DISTRICTS.

### FORECASTS.

0	{ SCOTLAND NORTH	NW <sup>4</sup> and W <sup>4</sup> winds, moderate or light; changeable, rather cool, some rain in places.
1	{ SCOTLAND EAST	
2	{ ENGLAND N.E.	NW <sup>4</sup> and W <sup>4</sup> winds, fresh or strong to moderate; changeable, bright intervals, a few local showers probable.
3	{ ENGLAND EAST	
4	{ MIDLAND COUNTIES	
5	{ ENGLAND SOUTH	

### DISTRICTS.

### FORECASTS.

6	{ SCOTLAND WEST	Same as Nos. 0 and 1.
7	{ ENGLAND N.W.	
8	{ ENGLAND S.W.	W <sup>4</sup> winds moderating; changeable, some showers, with bright intervals.
9	{ IRELAND NORTH	
10	{ IRELAND SOUTH	

### WARNINGS

At 7 pm. yesterday to districts 3, 5, and 8, 'HOIST SOUTH CONE'.

Note.—The South Cone, point downwards (  $\nabla$  ), 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 (  $\nabla$  ), 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.	Rainfa
					Ins.	Change.	Dry.	Wet.	Change					Max.	Min.	Hrs.	Ins.
Clacton-on-Sea	"	"	"	"	"	"	"	"	"	"	bc	"	bc	48	39	5.7	0.3
Newton Reigny (Penrith)	29.67	43	z c	o	29.66	-.20	39	38	+ 3	w 4	cpq	"	c, o, p	48	35	2.5	0.0
Bath	29.76	46	w 1	r	29.91	-.05	46	42	- 2	sw 1.	bc	"	r	52	42	0.0	0.5

## 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.	51	36	c, c	1.4	0.07	Worthing	*	*	*	2.0	*
Birmingham, 9 p.m.	51	43	r	0.4	0.34	Llandudno	*	*	*	2.0	*
Lowestoft, 6 p.m.	*	*	*	6.3	*	Rhyl	*	*	*	2.9	*
Hastings	*	*	*	4.3	*	Southport, 9 p.m.	52	37	o, p, c, o	2.1	0.03
Eastbourne	*	*	*	3.8	*	Manchester, 9 p.m.	52	44	o, r	1.0	0.12
Brighton	*	*	*	1.4	*	Darwen, 9 p.m.	48	39	o	0.3	0.10

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

STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.
	Max. °	Min. °				Max. °	Min. °		
Madeira (Funchal)	Information not rec'd			Ins.	Algiers ... ..	Information not rec'd			Ins.
Madrid ... ..					Tunis... ..				
Corsica (I. Sanguinaires) ...					Vienna ... ..				
Rome ... ..					St. Petersburg... ..				
Florence ... ..					13 Mar: 1902	1 p.m.			Measured 7 a.m.
Trieste ... ..					Lugano ... ..	50	—	bc	—
Brindisi... ..					Davos ... ..	37	—	bc	—
Naples ... ..					Lucerne ... ..	48	—	bc	—
Palermo ... ..					Lausanne... ..	45	—	bc	—

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

15 March 1902	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	h. m. 6.11	h. m. 12.2	h. m. 5.54
Greenwich	6.17	12.9	6.2
Wick	6.32	12.21	6.11
Valencia	6.38	12.50	6.43

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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 Sunday 16<sup>th</sup> March 1902  
 Issued by the Meteorological Office, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.	YESTERDAY EVENING. (See note on last page.)						THIS MORNING. (See note on last page.)										PAST 24 HOURS.			
	Barom.	Temp.	Wind.				Barometer.	Temperature.	Wind.								Temp.			
	At 32° and M.S.L.	Dry Bulb.	Dirac.	Force (0 to 12.)	Weather.		At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dires.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Max.	Min.	Sun- shine. Hours	Rainfall. Ins.
	Ins.						Ins.	Ins.	°	°										
SCANDINAVIA.	Haparanda ...	29.43	23	S	2	b	29.50	+1.0	9	9	-10	SE	2	f	*	b	32	3	*	—
	Hernösand ...	29.50	30	Z	0	o	29.56	—00	34	31	+7	Z	0	o	*	o	?	23	*	—
	Stockholm ...	29.60	32	Z	0	o	29.54	-2.4	33	32	+1	Z	0	o	*	o	43	27	*	—
	Wisby ...	29.62	31	S	4	b	29.56	-3.0	36	35	+3	S	2	o	*	b	41	27	*	—
	Karlstad ...	29.48	40	NE	2	o	29.50	-2.0	34	31	+1	NE	2	+	*	o, +	*	*	*	0.12
	Færder (X'ania Fjord)	29.43	34	N	2	f	29.47	-1.8	33	33	0	NNE	4	+	?	f	?	?	*	0.28
	Bodö ...	29.46	38	W	4	o	29.57	+2.5	34	32	-3	W	2	c	2	o	38	32	*	—
	Christiansund ...	29.45	41	WSW	3	o	29.77	+2.6	40	37	0	NE	3	c	4	o	45	37	*	0.04
BRITISH ISLANDS.	Skudesnaes ...	29.43	35	NW	4	o	29.60	+1.1	38	37	-1	NNW	8	c	3	5.0	39	36	*	*
	Sumburgh Head	29.54	42	NW	3	b	29.96	+5.8	38	36	-3	N	1	b	4	bc, b	46	37	*	—
	Stornoway ...	29.77	44	NW	6	bc	30.03	+4.9	39	38	0	NW	4	bc	2	bc, bc	48	37	6.9	0.13
	Malin Head ...	29.92	46	W	5	c	30.05	+3.2	45	43	+1	S	2	c	2	bc, c	48	42	*	0.02
	Blacksod Pt. ...	30.02	49	WSW	3	emp	30.06	+1.5	50	49	+3	WSW	3	f	3	b, emp	51	46	*	0.15
	Valencia ...	30.11	51	SW	2	c	30.17	+1.4	52	51	+4	SW	1	ogm	4	ch, c	53	47	6.1	0.06
	Roche's Point ...	30.09	52	NW	3	bc	30.15	+1.5	50	48	+6	WNW	2	o	3	c, bc	53	43	*	0.04
	Parsonstown ...	30.05	49	WSW	2	o	30.11	+1.8	46	46	+4	SE	1	otm	*	o	54	41	8.1	0.05
GERMANY, &c.	Donaghadee ...	29.94	48	SW	4	b	30.16	+3.4	43	41	+1	W	1	c	1	b	51	40	*	0.01
	Liverpool Obsy.	29.95	44	W	6	bc	30.14	+3.6	43	42	+1	W	2	b	2	bc	47	40	*	—
	Holyhead ...	29.99	47	W	3	c	30.13	+3.0	46	45	+2	Z	0	c	0	bc, c	50	42	*	—
	Pembroke (St. Ann's)	30.04	46	W	5	c	30.14	+2.1	46	45	+1	WSW	1	ogp	4	c	48	44	8.6	0.01
	Scilly (St. Mary's)...	30.14	52	W	4	c	30.16	+1.6	50	50	+2	WNW	5	m	5	c	55	47	8.2	0.16
	Jersey (St. Aubins)...	30.16	49	W	4	bc, m	30.23	+2.2	48	47	0	WSW	4	om	3	bc, m	52	46	7.2	—
	Portland Bill ...	30.07	46	WNW	5	c	30.17	+2.5	45	44	0	WNW	2	o	2	bc, c	48	44	*	0.02
	Dungeness ...	29.96	47	WNW	5	c	30.11	+3.4	47	45	+1	NW	3	b	1	c	54	40	*	—
FRANCE.	Wick ...	29.69	42	WNW	2	bc	30.00	+5.3	41	39	+3	NW	1	c	0	bc	50	35	*	—
	Nairn ...	29.72	43	NW	2	b	30.05	+5.2	41	39	+1	W	1	c	1	b	48	37	*	0.05
	Aberdeen ...	29.67	42	WNW	5	cq	30.04	+5.3	42	38	-1	NW	3	c	2	bc, cq	50	38	8.0	0.08
	Leith ...	29.77	45	WSW	4	b	30.06	+4.7	45	41	+2	WSW	3	bm	*	b	54	36	*	—
	North Shields ...	29.75	46	WNW	3	c	30.05	+4.6	38	36	-3	W	3	bc	2	bc, c	52	35	*	—
	Spurn Head ...	29.77	45	WNW	6	bc	30.04	+5.1	41	40	-2	NW	4	b	3	bc, q, h	48	39	*	0.03
	Yarmouth ...	29.80	47	WNW	6	cq	29.99	+4.5	42	40	-1	WNW	4	c	4	c, cq	49	39	*	0.02
	Loughborough ...	29.92	46	WNW	5	c	30.10	+3.7	41	40	-2	WNW	3	bcw	*	bc, q, b	51	38	*	0.01
GERMANY, &c.	Oxford ...	30.03	46	W	3	o	30.15	+3.2	45	43	+1	NNW	3	b	*	o, c	53	41	*	—
	London (Brixton) ...	29.99	49	WSW	3	bc	30.11	+3.2	45	42	0	NW	2	bc	*	bc, o	53	39	6.8	—
	The Scaw (Skagen) ...	29.40	33	SSE	3	+	29.38	-2.7	36	33	-1	NE	2	m	0	+	37	33	*	0.39
	Fanö ...	29.32	36	W	6	+	29.46	-1.2	38	37	+2	WNW	6	+	*	+	41	36	*	0.51
	Cuxhaven ...	29.38	39	WNW	6	+	29.60	-0.2	40	39	+1	W	6	o	*	+	45	37	*	0.28
	The Helder ...	29.73	41	WNW	4	b	29.89	+5.0	42	40	0	NW	3	b	4	b	43	41	*	0.28
	Brussels ...	*	*	*	*	*	30.04	+3.7	42	40	+4	WNW	3	o	*	b	48	38	*	0.08
	Berlin ...	29.65	44	W	3	o	29.66	-2.7	41	38	+11	W	4	o	*	o	45	30	*	—
FRANCE.	Frankfurt ...	29.92	42	SW	2	b	29.94	+0.8	41	38	-3	SW	2	c	*	b	52	39	*	0.16
	Munich ...	29.99	42	SW	4	o	30.04	-0.3	38	34	-3	W	5	c	*	o	50	34	*	0.12
	C. Gris Nez ...	29.95	43	W	6	c	30.10	+4.0	44	42	+2	WNW	4	b	4	c	53	41	*	—
	Brest ...	30.24	51	WNW	3	b	30.23	+1.3	49	49	0	SW	3	?t	4	b	54	48	*	—
	Lorient ...	30.23	50	W	4	bc	30.28	+1.9	47	47	+1	W	3	o	4	bc	54	45	*	—
	Rochefort ...	30.23	51	NW	4	bc	30.30	+2.1	49	48	-1	W	3	o	*	bc	54	43	*	—
	Biarritz ...	30.34	51	NNW	3	o	30.34	+0.8	48	47	-7	S	1	c	3	o	57	43	*	0.16
	Paris ...	30.10	43	W	3	bc	30.17	+2.2	43	42	-3	WSW	2	o	*	bc	58	43	*	—
SPAN. PEN.	Belfort ...	30.03	44	W	6	o	30.13	+1.1	38	36	-6	WSW	3	o	*	o	50	37	*	0.16
	Lyons ...	30.20	47	E	1	o	30.27	+0.6	42	39	0	NNW	1	o	*	o	50	42	*	0.39
	Nice ...	30.15	48	WNW	3	c	29.98	-3.0	44	42	-3	E	1	o	1	c	57	43	*	—
	Perpignan ...	30.23	55	E	1	+	30.28	+0.0	50	45	+7	NW	3	o	*	+	68	43	*	—
SPAN. PEN.	Corunna ...	30.26	57	N	3	b	30.27	-0.1	54	51	+1	E	3	b	*	b	64	52	*	—
	Lisbon ...	30.01	59	ESE	5	f	30.03	+0.2	59	57	0	E	4	f	5	f	63	57	*	—

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

\* Observations for this column not generally received.

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



# WEATHER CHARTS

FOR Sunday 16<sup>th</sup> March, 1902

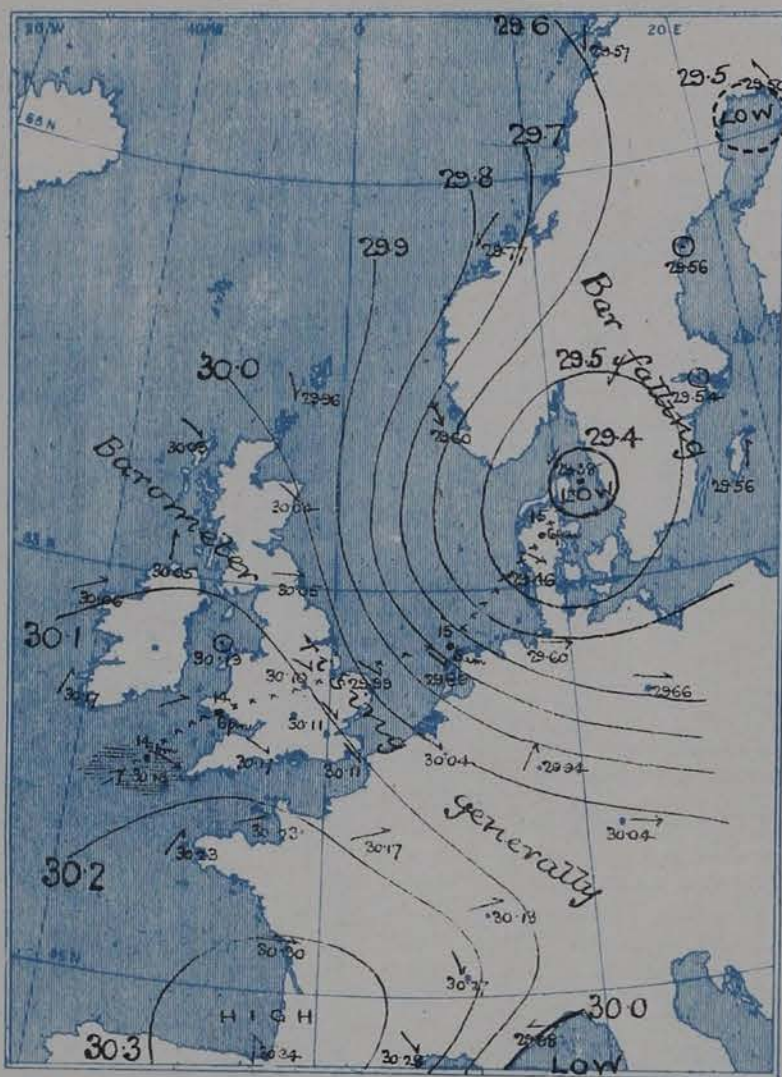
## I. BAROMETER, WIND AND SEA. This Morning.

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

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

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

SEA.—Rough : High :

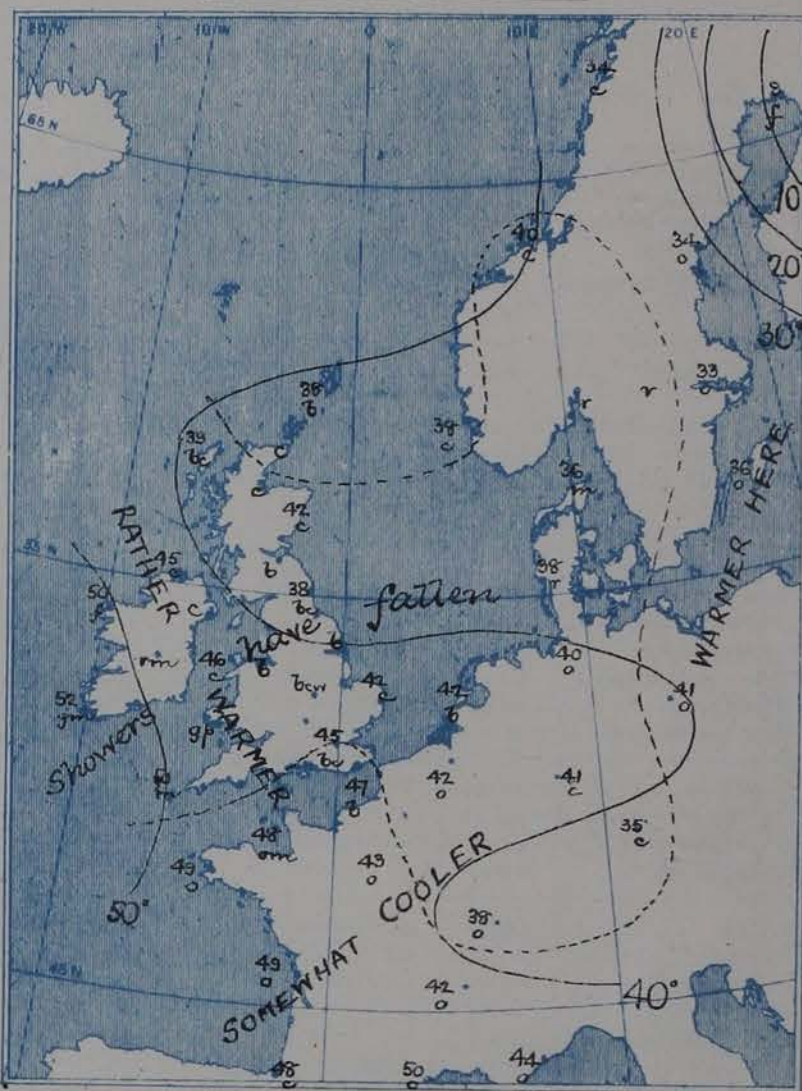


## II TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

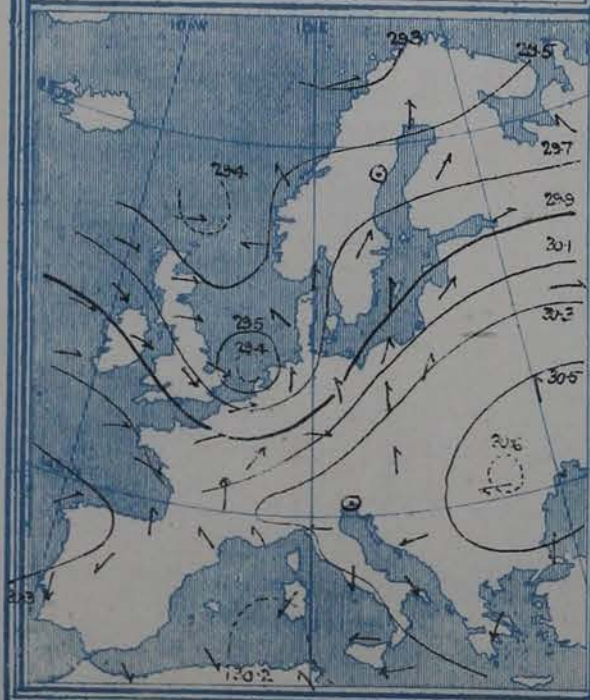
WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.8



## III BAROMETER AND WIND

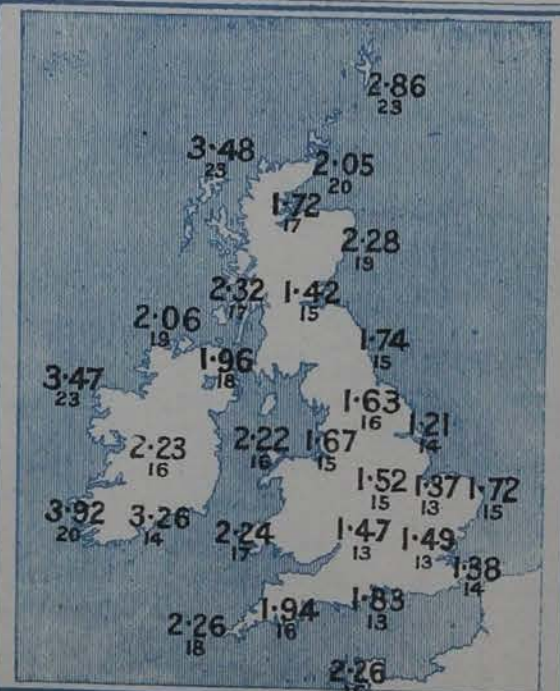
Yesterday morning.



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

Specimen { RAINFALL 1.74  
(for Shields) { RAIN DAYS 15

Malin Head & Black s.d. Belmullet V. lues are for only 15 Yrs.



## V. Means of DAILY TEMPERATURE

at 8 A.M. for the monthly period

MARCH (1871-1900.)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

Barometrical pressure is now highest, 30.5 ins. and more, over the southcoast of France and the northeast of Spain, but high, 30.4 ins. and upwards, in an anticyclone covering nearly the whole of France, the Spanish Peninsula and the western and southern parts of the United Kingdom. The lowest reading, 29.4 ins. and less, are found in a well defined and rather deep cyclonic system with its centre over the Kattegat, the gradients for NW winds being steep over the North Sea. The disturbance is moving E<sup>ds</sup> and the barometer is rising at all stations except those in the south of Sweden.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is light from the westward or the southwestward on the western coasts of our Islands and France but from the north-westward over the northern and eastern parts of the United Kingdom. On the eastern shore of the North Sea the NW<sup>th</sup> wind blows strongly, with a gale at Skudesnäs, while in Germany the wind is strong from the westward calms or light S<sup>th</sup> breezes are reported from Sweden. Temperature has risen in the western parts of the United Kingdom but changed irregularly elsewhere. Over our Islands the readings are still above the average, the thermometer on our western and southern coasts ranging in most cases between 45° and 50° but reaching 52° at Valencia. On the eastern shores of the North Sea the readings are below 40°, while in Sweden they are below 35°, the thermometer at Thaparanda standing as low as 9° Fahr. The weather is fair or fine over the greater part of the United Kingdom, but is dull at most of our southwestern stations with showers at Pembroke. At most of the continental stations the sky is overcast with rain in several parts of Denmark and the southern parts of Scandinavia. The sea is moderate or slight generally, but rather rough at Scilly.

During yesterday the thermometer rose to 50° and upwards in many parts of the United Kingdom and to 55° at Scilly. The amount of bright sunshine was considerable—more than 8 hours at several stations and as much as 9.4 hrs. at Northring and 9.2 hrs. at Harrogate. Slight rain fell in many parts of our Islands and larger quantities in Denmark and Germany.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

## FORECASTS \*

For the 24 hours ending at NOON on 17<sup>th</sup> MARCH,

1902

### DISTRICTS.

### FORECASTS.

### DISTRICTS.

### FORECASTS.

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



NONE ISSUED

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

NONE ISSUED

### WARNINGS

The South Cone is still flying in districts 3, 5, and 8.

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

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



ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.																	
TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 8 P.M.				THIS MORNING 8 A.M.							PAST 24 HOURS.					
	<u>Bar.</u> <u>Inch.</u>	<u>Temp.</u> <u>°</u>	<u>Wind.</u>	<u>Weather.</u>	<u>Barometer.</u>		<u>Temperature.</u>			<u>Wind.</u>	<u>Weather.</u>	<u>Sea.</u>	<u>Weather.</u>	<u>Temperature.</u>		<u>Sun- shine. Hrs.</u>	<u>Rainfall Inch.</u>
					<u>Inch.</u>	<u>Change.</u>	<u>Dry.</u>	<u>Wet.</u>	<u>Change.</u>					<u>Max.</u>	<u>Min.</u>		
Clacton-on-Sea ... ..	*	*	*	*	*	*	*	*	*	*	0	*	b.c.b	52	39	8.5	-
Newton Reigny (Penrith)													c	54	42	8.5	-
Bath ... ..	30.04	50	S.W.1	C	30.19	+ .28	46	45	0	W.1	0	*	c	54	42	8.5	-

**REPORTS FOR YESTERDAY.**

STATIONS.	<u>TEMPERATURE.</u>		<u>Weather.</u>	<u>Sunshine.</u> <u>Hrs.</u>	<u>Rainfall.</u> <u>Inch.</u>	STATIONS.	<u>TEMPERATURE.</u>		<u>Weather.</u>	<u>Sunshine.</u> <u>Hrs.</u>	<u>Rainfall.</u> <u>Inch.</u>
	<u>Max.</u>	<u>Min.</u>					<u>Max.</u>	<u>Min.</u>			
Harrogate, 6 p.m. ....	50	39	b.c	9.2	-	Worthing... ..	*	*	*	9.4	*
Birmingham, 9 p.m. ....	51	40	b.c	6.7	-	Llandudno ... ..	*	*	*	7.1	*
Lowestoft, 6 p.m. ....	*	*	*	*	*	Rhyl ... ..	*	*	*	*	*
Hastings ... ..	*	*	*	*	*	Southport, 9 p.m. ....	48	41	b.c.v	6.0	-
Eastbourne ... ..	*	*	*	*	*	Manchester, 9 p.m....	53	39	b.c.o	6.3	-
Brighton ... ..	* * *	* * *	* * *	* * *	* * *	Darwen, 9 p.m. ....	45	37	c.v.	1.5	0.01

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

STATIONS.	<u>TEMPERATURE. F.</u>		<u>WEATHER.</u>		<u>RAIN.</u>	STATIONS.	<u>TEMPERATURE. F.</u>		<u>WEATHER.</u>		<u>RAIN.</u>
	<u>Max.</u>	<u>Min.</u>					<u>Max.</u>	<u>Min.</u>			
Madeira (Funchal) ...	64	50	b.c	c	Inch.	Algiers ... ..	64	48	o	o	Inch.
Madrid ... ..	50	41	a	c	"	Tunis... ..	70	52	o	r	"
Corsica (I. Sanguinaires) ...	59	48	f	f	"	Vienna ... ..	34	23	b	b	"
Rome ... ..	58	42	b.c	b	"	St. Petersburg... ..	23	0	c	s	"
Florence ... ..	58	44	b.c	b	"	14 March.		1 p.m.		Measured 7 a.m.	
Trieste ... ..	52	36	o	o	"	Lugano ... ..	46	—	o	—	"
Brindisi... ..	48	42	b	b	"	Davos ... ..	39	—	b	—	"
Naples ... ..	54	36	b	b	"	Lucerne ... ..	50	—	b.c	—	"
Palermo ... ..	62	41	o	o	"	Lausanne... ..	50	—	b	—	"

**EXPLANATION OF THE COLUMNS GIVEN ON PAGE I.**

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

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British Isles, Belgium, 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.**

16 JUL., 1902	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	h. m. 6.8	h. m. 12.2	h. m. 5.56
Greenwich ... ..	6.14	12.9	6.4
Wick ... ..	6.29	12.21	6.14
Valencia ... ..	6.55	12.50	6.45

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                " Weekly " " " " " 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 Monday, 17th March, 1902.

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

STATIONS.	YESTERDAY EVENING. (See note on last page.)						THIS MORNING. (See note on last page.)										PAST 24 HOURS.			
	Barom.	Temp.	Wind.				Barometer.	Temperature.	Wind.								Temp.			
	At 32° and M.S.L.	Dry Bulb.	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.)		Max.	Min.	Sun- shine. Hours	Rainfall. Ins.
	Ins.						Ins.	Ins.	°	°										
SCANDINAVIA.	Haparanda ...	29.51	18	S	2	c	29.39	- .11	24	24	+ 15	NNW	2	S	*	c	24	3	*	0.20
	Hernösand ...	29.64	36	Z	0	o	29.67	+ .11	27	26	- 7	W	4	3	*	o	41	27	*	-
	Stockholm ...	29.73	36	Z	0	o	29.74	+ .20	30	27	- 3	NW	2	3	*	o	41	28	*	0.04
	Wisby ...	29.66	35	S	2	c	29.73	+ .17	32	32	- 4	N	4	3	*	c	43	28	*	-
	Karlstad ...	29.75	37	NE	2	o	29.88	+ .38	31	27	- 3	NW	2	3	*	o	*	*	*	-
	Færder (X'ania Fjord) ...	29.79	37	N	2	3	29.90	+ .43	32	30	- 1	NE	2	3	1	3	37	32	*	-
	Bodö ...	29.66	29	NW	4	3c	29.65	+ .08	27	24	- 7	E	2	3	1	3c	34	25	*	-
	Christiansund ...	29.96	34	NE	3	o	29.91	+ .14	35	31	- 5	NE	3	o	4	o	41	34	*	0.08
BRITISH ISLANDS.	Skudesnaes ...	29.97	38	NNW	4	3	30.00	+ .40	35	33	- 3	NE	2	o	2	3	45	34	*	-
	Sumburgh Head ...	30.02	40	WNW	1	3c	29.77	- .19	44	44	+ 6	W	3	7	4	3c	46	35	*	0.05
	Stornoway ...	29.96	44	SW	3	7	29.84	- .19	50	49	+ 11	WSW	3	7	2	o, 7	50	38	1.7	0.22
	Malin Head ...	30.06	49	W	5	7f	30.03	- .02	49	49	+ 4	SW	6	o, 7m	3	7f, f	49	45	*	0.18
	Blacksod Pt. ...	30.11	51	SW	4	o, 7m	30.08	+ .02	51	50	+ 1	SW	6	o, 7m	5	c, o, 7m	53	49	*	0.03
	Valencia ...	30.23	52	SW	3	o	30.23	+ .06	51	50	- 1	SSW	4	o, 7m	4	c, o	57	50	4.2	-
	Roche's Point ...	30.23	54	NW	2	3	30.26	+ .11	50	48	o	W	3	c	3	o, 3	58	47	*	-
	Parsonstown ...	30.18	54	WSW	2	c	30.19	+ .08	48	46	+ 2	SW	1	o	*	c, 7m	56	43	0.8	-
GERMANY, &c.	Donaghadee ...	30.12	46	SW	3	7m	30.11	+ .01	48	47	+ 5	WNW	2	c, 7	2	c, 7m	50	43	*	0.04
	Liverpool Obsy. ...	30.19	46	Z	o	o	30.18	+ .04	47	45	+ 4	WSW	5	7	3	3, c, 7	50	43	*	0.03
	Holyhead ...	30.18	47	SW	2	o, 7m, d, 7	30.20	+ .07	47	45	+ 1	SW	2	o, 7	1	o, 7m, d, 7	49	45	*	0.04
	Pembroke (St. Ann's) ...	30.19	47	NW	2	o	30.24	+ .10	47	46	+ 1	W	3	c, 7	3	o	48	45	0.0	-
	Scilly (St. Mary's) ...	30.28	51	WNW	4	c, f	30.30	+ .14	51	50	+ 1	W	4	c	3	o, c, f	54	50	1.7	-
	Jersey (St. Aubins) ...	30.24	48	SSE	2	o, f	30.32	+ .09	49	48	+ 1	WNW	3	o, 7m	3	o, 7m, c, f	49	46	0.0	0.08
	Portland Bill ...	30.23	46	W	2	c	30.28	+ .11	46	46	+ 1	NW	3	o	2	c	50	44	*	0.01
	Dungeness ...	30.18	47	S	1	c	30.24	+ .13	44	44	- 3	W	3	o	2	3, c	54	35	*	-
FRANCE.	Wick ...	30.01	42	S	1	3c	29.83	- .17	50	48	+ 9	W	1	c	o	3c, 7	50	40	*	0.12
	Nairn ...	30.01	46	E	1	o	29.89	- .16	51	48	+ 10	W	3	c	1	c	51	39	*	0.03
	Aberdeen ...	30.09	40	SSE	2	c	29.94	- .10	48	47	+ 6	SSW	1	o, 7	1	c	51	40	6.0	0.07
	Leith ...	30.07	48	Z	o	c	30.01	- .05	51	49	+ 6	WSW	3	o	*	c	53	43	*	-
	North Shields ...	30.13	42	ESE	1	c	30.06	+ .01	47	46	+ 9	SW	2	o	2	c, 7	47	36	*	-
	Spurn Head ...	30.16	45	N	1	3c	30.14	+ .10	46	45	+ 5	W	3	c	4	c	47	38	*	-
	Yarmouth ...	30.11	44	NW	4	3	30.16	+ .17	41	39	- 1	WSW	2	c	3	3c, 3	46	35	*	-
	Loughborough ...	30.17	50	WNW	1	c	30.20	+ .10	47	46	+ 6	W	2	c, 7	*	3c, 3, 3	57	39	*	-
SPAN. PEN.	Oxford ...	30.23	49	WSW	1	3	30.25	+ .10	48	47	+ 3	SW	2	o	*	3c	55	45	*	-
	London (Brixton) ...	30.21	53	NW	1	3	30.25	+ .14	47	46	+ 2	WSW	2	o, d	*	3c, 3	55	40	8.1	-
	The Scaw (Skagen) ...	29.78	38	N	2	7m	29.87	+ .49	36	35	o	?	1	3	o	7m	39	34	*	-
	Fanö ...	29.88	37	W	4	3	30.02	+ .56	37	36	- 1	WNW	5	c	*	3	39	34	*	-
	Cuxhaven ...	29.78	39	NW	5	o	30.08	+ .48	38	37	- 2	NW	4	o	*	o	41	37	*	0.08
	The Helder ...	*	*	*	*	*	30.29	+ .25	37	36	- 5	SW	1	3c	*	3c	46	32	*	-
	Brussels ...	*	*	*	*	*	29.93	+ .27	37	36	- 4	NW	3	o	*	7	46	36	*	0.24
	Berlin ...	29.66	39	W	3	7	30.19	+ .25	40	37	- 1	WNW	3	o	*	o	46	31	*	-
FRANCE.	Frankfurt ...	30.03	42	W	4	o	30.11	+ .07	33	32	- 2	W	7	5	*	c	39	32	*	-
	Munich ...	30.05	34	SW	5	c	30.11	+ .07	33	32	- 2	W	7	5	*	c	39	32	*	-
	C. Gris Nez ...	30.16	44	NW	3	3	30.25	+ .15	41	39	- 3	SW	4	f	3	3	50	39	*	-
	Brest ...	30.29	49	NW	3	f	30.41	+ .18	48	47	- 1	NW	1	o	2	f	52	46	*	0.08
	Lorient ...	30.29	50	NW	3	o	30.37	+ .09	47	47	o	NW	1	o	3	o	52	45	*	-
	Rochefort ...	30.28	51	W	4	o	30.36	+ .06	51	50	+ 2	ENE	2	o	*	o	55	46	*	0.20
	Biarritz ...	30.40	52	WNW	3	o	30.38	+ .04	52	51	+ 4	NNE	3	o	2	o	57	48	*	-
	Paris ...	30.22	48	NW	3	o	30.34	+ .17	41	40	- 2	W	2	o	*	3	57	35	*	-
SPAN. PEN.	Belfort ...	30.12	38	W	3	o	30.29	+ .16	35	33	- 3	WSW	4	c	*	o	47	33	*	0.08
	Lyons ...	30.25	42	WNW	1	c	30.36	+ .09	35	?	- 7	NW	1	3	*	c	46	35	*	0.08
	Nice ...	29.95	52	Z	o	3c	29.99	+ .01	48	35	+ 4	NE	3	3	1	3c	59	41	*	-
	Perpignan ...	30.19	56	NW	4	o	30.20	- .08	52	47	+ 2	N	2	3	*	o	61	49	*	-
SPAN. PEN.	Corunna ...																			
	Lisbon ...	30.22	62	NNW	4	3	30.22	- .05	58	52	+ 4	NNE	4	3	*	3	70	54	*	-
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 17<sup>th</sup> March, 1902

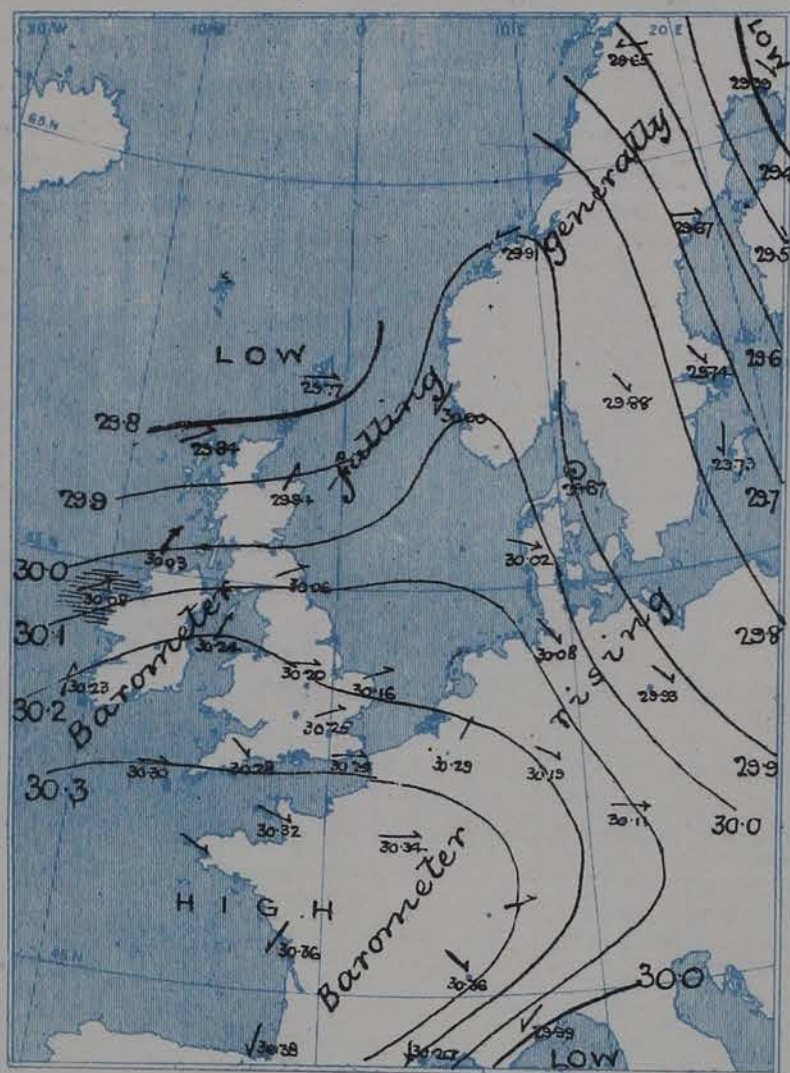
## I. BAROMETER, WIND AND SEA. This Morning

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

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

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

SEA.—Rough  : High 

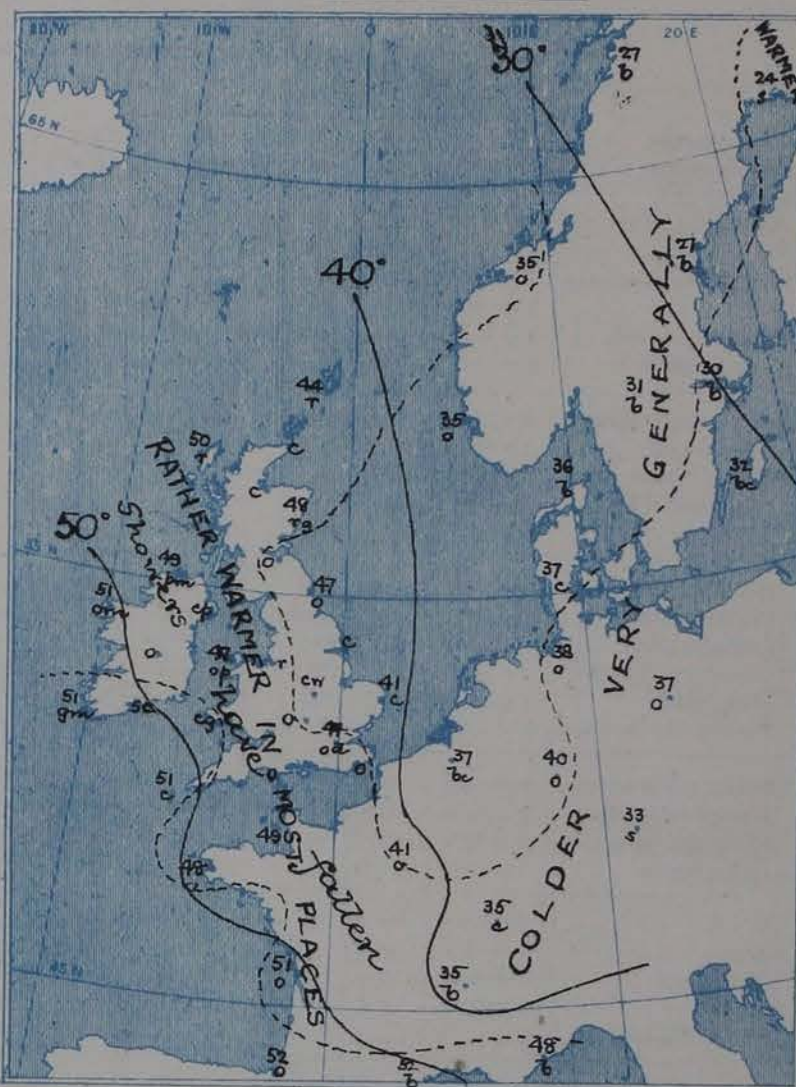


## II. TEMPERATURE AND WEATHER. This Morning

TEMPERATURE.—Isotherms are drawn for each 10°.

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

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



## III. BAROMETER AND WIND

Yesterday morning.



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

Specimen. { RAINFALL 1.74  
(for Shields) { RAIN DAYS 15

Malin Head & Black sode Belmullet Values are for only 15 Yrs



## V. Means of DAILY TEMPERATURE

at 8 A.M. for the monthly period

MARCH (1871-1900.)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The barometer has now become highest, above 30.3 ins. over the western portion of the English Channel, the greater part of France, and the Bay of Biscay. The lowest readings are shown over the north of Finland where they are below 29.4 ins., but a new disturbance is advancing from the northward towards the north of Scotland, and the barometer is already below 29.8 ins. in the Shetlands. A third relatively low-pressure area, 30.0 ins. and less, is found over the Gulf of Genoa. The barometer is rising over the eastern and southern parts of our area, falling elsewhere - most in Scotland. Gradients are moderate or slight.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The winds are consequently W<sup>4</sup> or SW<sup>4</sup> over our Islands and the north of France and mainly from some N<sup>4</sup> point to the eastward of the North Sea, while in the southwest and west of France they are NE<sup>4</sup>. In force they are mostly light or moderate, but blow strongly in the north of Ireland. Temperature has risen over the United Kingdom and is above the mean in all districts - in Scotland the excess is large. The readings range from about 50° in the north and the extreme west and southwest generally to 44° at Dungeness and to 41° at Yarmouth. Over the continental part of our area they vary from 52° at Biarritz to 33° at Munich, 30° at Stockholm, and to 24° at Haparanda. The weather is fine and bright in most Scandinavian districts, cloudy or dull elsewhere, with rain or passing showers at many of our own western and northern stations and with snow at Munich and Haparanda. The sea is moderate to smooth generally but rather rough at Blackod Point.

Slight rain has been experienced during the past twenty-four hours in the northwest and north of our Islands and also in some continental localities. Temperatures rose during the day to 57° at Loughborough and Valencia and to 58° at Rocky Point, while in most other parts of the Kingdom the maxima varied between 50° and 58°. On the east coast of England, however, they did not exceed 47°. Bright sunshine was very prevalent in the south and southeast of England, but at some western and northern stations, there was very little; and at Pembroke and Jersey none. Sunshades were observed last night over our southern counties.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The disturbance in the north appears likely to move SE<sup>ds</sup> or ESE<sup>ds</sup> and to cause rain in all districts and an increase of wind in the north and west.

## FORECASTS \*

For the 24 hours ending at NOON on 18<sup>th</sup> March, 1902

### DISTRICTS.

### FORECASTS.

### DISTRICTS.

### FORECASTS.

0 { SCOTLAND  
NORTH

SW<sup>4</sup> and W<sup>4</sup> winds, increasing in force  
dull, rain at times, mild.

1 { SCOTLAND  
EAST

2 { ENGLAND  
N.E.

3 { ENGLAND  
EAST

4 { MIDLAND  
COUNTIES

5 { ENGLAND  
SOUTH

W<sup>4</sup> and SW<sup>4</sup> winds, increasing somewhat  
in force; mild, cloudy or dull generally,  
some rain in places.

6 { SCOTLAND  
WEST

7 { ENGLAND  
N.W.

8 { ENGLAND  
S.W.

9 { IRELAND  
NORTH

10 { IRELAND  
SOUTH

Same as Nos. 0 and 1.

W<sup>4</sup> to SW<sup>4</sup> winds, freshening; mild, fair to  
dull with some rain.

SW<sup>4</sup> and W<sup>4</sup> winds, fresh or strong;  
mild, dull, rainy

SW<sup>4</sup> and W<sup>4</sup> winds, freshening; mild,  
becoming rainy.

### WARNINGS

NONE ISSUED

Note.—The South Cone, point downwards (  $\nabla$  ), 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 (  $\nabla$  ), 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. Ins. Change.	Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature. Max. Min.	Sun- shine. Hrs.	Rainfall Ins.
Clacton-on-Sea	.	.	.	.	.	.	.	.	.	.	.	8	52 37	9.8	-
Newton Reigny (Penrith)	30.12	48	WNEV	C	30.11	47	46		SW	0	.	8c, m	54 41	7.7	-
Bath	30.19	48	W	0	30.28 +0.9	47	46	+ 1	W	0	.	0	55 45	0.5	-

## 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.	55	37	8	8.4	-	Worthing	.	.	.	8.4	.
Birmingham, 9 p.m.	55	41	c	2.6	-	Llandudno	.	.	.	4.3	.
Lowestoft, 6 p.m.	.	.	.	.	.	Rhyl	.	.	.	8.0	.
Hastings	.	.	.	9.8	.	Southport, 9 p.m.	50	41	8c	7.6	-
Eastbourne	.	.	.	9.7	.	Manchester, 9 p.m.	.	.	.	.	.
Brighton	*	*	*	8.0	*	Darwen, 7 p.m.	49	41	cw	5.7	-

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

STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.
	Max. °	Min. °				Max. °	Min. °		
Madeira (Funchal)	<i>Information not yet recd.</i>			Ins.	Algiers ... ..	<i>Information not yet recd.</i>			Ins.
Madrid ... ..					Tunis... ..				
Corsica (I. Sanguinaires) ...					Vienna ... ..				
Rome ... ..					St. Petersburg... ..				
Florence ... ..					15 March.	1pm			Measured 7 a.m.
Trieste ... ..					Lugano ... ..	45	—	0	—
Brindisi... ..					Davos ... ..	57	—	0	—
Naples ... ..					Lucerne ... ..	48	—	0	—
Palermo ... ..					Lausanne ... ..	41	—	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.

17. March 1902	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	6.5	12.2	5.58
Greenwich	6.12	12.9	6.6
Wick	6.26	12.21	6.16
Valencia	6.53	12.50	6.46

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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 *Tuesday, 18<sup>th</sup> March, 1902.*

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

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		BAROM.		TEMP.		WIND.	Weather.	BAROMETER.		TEMPERATURE.			WIND.		Sea (0 to 9.)	Weather.	TEMP.		Sun- shine. Hours	Rainfall. Ins.	
		At 32° and M.S.L.	Ins.	Dry Bulb.	Direc.			Force (0 to 12.)	At 32° Fahr. and M. S. L.	Change since Yester- day. Ins.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.			Force (0 to 12.)	Max.			Min.
SCANDINAVIA.	Haparanda ...	29.74	16	NE	4	3	29.90	+0.51	5	4	-19	?	4	3	3	29	5	*	0.04		
	Hernösand ...	29.68	26	Z.	0	3	29.83	+0.16	24	18	-3	E	2	5	3	37	21	*	-		
	Stockholm ...	29.77	36	WNW	2	3	29.80	+0.06	26	24	-4	NNW	2	3	3	36	26	*	-		
	Wisby ...	29.75	32	WNW	2	3c	29.78	+0.05	33	32	+1	N	2	c	3	41	28	*	-		
	Karlstad ...	29.81	35	NNW	2	0	29.85	-0.03	32	31	+1	Z	0	0	3	3	3	*	0.04		
	Færder (X'ania Fjord)	29.78	34	S	2	0	29.84	-0.06	32	31	0	NE	1	0	1	0	37	32	*	-	
	Bodö ...	29.75	25	SNE	2	3	29.71	+0.06	29	26	+2	ENE	4	3c	1	3	32	21	*	-	
	Christiansund ...	29.64	34	SSE	2	7	29.69	-0.22	40	39	+5	W	2	c	4	7	40	34	*	0.47	
	Skudesnaes ...	29.86	38	Z.	0	7	29.81	-0.19	38	38	+3	SSE	2	f	2	7f	38	35	*	-	
	Sumburgh Head ...	29.77	45	W	3	0	29.48	-0.29	45	44	+1	WSW	3	0	4	c, o	48	42	*	0.16	
BRITISH ISLANDS.	Stornoway ...	29.82	48	WSW	3	7	29.47	-0.37	46	46	-4	W	5	7	4	c, r	53	45	1.5	0.25	
	Malin Head ...	29.96	50	SW	5	omp	29.63	-0.40	47	46	-2	SW	7	omp	5	c, omp	50	47	*	0.02	
	Blacksod Pt. ...	29.99	51	SW	6	omp	29.72	-0.36	48	46	-3	WSW	5	7	5	c, omp	52	46	*	0.12	
	Valencia ...	30.14	51	S	5	og	29.87	-0.36	50	49	-1	S	5	7g	5	o	54	49	0.0	0.02	
	Roche's Point ...	30.21	50	SW	3	0	29.96	-0.30	49	47	-1	SSW	4	0	4	o	53	47	*	-	
	Parsonstown ...	30.12	53	SW	2	0	29.86	-0.33	49	46	+1	SSE	3	0	3	c	60	46	1.8	-	
	Donaghadee ...	30.04	57	WSW	3	c	29.83	-0.28	47	45	-1	WSW	4	c	3	c	61	43	*	-	
	Liverpool Obsy. ...	30.15	49	WSW	2	3	29.97	-0.21	47	43	0	SSW	3	c	3	3c	57	45	*	-	
	Holyhead ...	30.16	48	SW	3	omp	29.95	-0.25	47	45	0	SW	5	c	4	c, omp	50	45	*	-	
	Pembroke (St. Ann's) ...	30.21	47	WSW	4	c	30.03	-0.21	47	44	0	SW	5	0	5	c	49	44	0.4	-	
GERMANY, &c.	Scilly (St. Mary's) ...	30.29	51	WNW	4	0	30.09	-0.21	49	47	-2	SW	5	0	4	c, o	54	47	0.0	-	
	Jersey (St. Aubins) ...	30.31	50	NW	3	omp	30.21	-0.11	48	45	-1	W	3	omp	3	c, omp	52	47	1.1	-	
	Portland Bill ...	30.26	47	W	3	0	30.16	-0.12	46	43	0	WSW	2	0	3	c, o	51	45	*	-	
	Dungeness ...	30.28	47	W	3	0	30.13	-0.11	46	45	+2	W	3	0	1	o	48	44	*	-	
	Wick ...	29.82	50	Z	0	0	29.53	-0.30	47	45	-3	S	2	c	1	c	56	44	*	0.06	
	Nairn ...	29.86	52	W	1	0	29.57	-0.32	50	46	-1	WSW	3	3c	2	c, r	59	48	*	0.01	
	Aberdeen ...	29.90	56	WSW	2	3c	29.66	-0.28	49	45	+1	SW	3	c	2	c, 3c	62	47	2.7	-	
	Leith ...	29.97	53	WSW	3	c	29.73	-0.28	51	46	0	SSW	3	c	1	c	57	47	*	0.01	
	North Shields ...	30.04	53	WSW	2	3c	29.84	-0.22	47	44	0	SW	3	c	2	c, 3c	60	45	*	-	
	Spurn Head ...	30.11	50	WNW	4	3c	29.99	-0.15	44	42	-2	SW	4	3c	3	3c	51	41	*	-	
FRANCE.	Yarmouth ...	30.11	53	W	2	omp	30.05	-0.11	43	42	+2	W	4	3cf	3	c	56	39	*	-	
	Loughborough ...	30.17	54	W	3	3c	30.05	-0.15	45	42	-2	SW	2	omp	1	c, 3c, c	60	42	*	-	
	Oxford ...	30.21	49	WSW	2	3	30.11	-0.14	46	42	-2	SW	3	0	1	c	60	43	*	-	
	London (Brixton) ...	30.21	55	W	2	3c	30.13	-0.12	47	44	0	WSW	2	0	1	od, 4c	62	42	1.3	-	
	The Scaw (Skagen) ...	29.83	38	WNW	3	7	29.80	-0.07	38	37	+2	NW	1	c	0	7	39	36	*	-	
	Fanö ...	29.98	39	W	4	0	29.93	-0.09	40	39	+3	W	2	f	1	o	41	37	*	-	
	Cuxhaven ...	30.07	42	WSW	4	0	30.02	-0.06	42	42	+4	WSW	4	omp	1	o	42	38	*	-	
	The Helder ...	30.15	42	SW	2	3c	30.06	-0.09	44	42	+2	SW	1	0	1	3c	45	41	*	-	
	Brussels ...	30.18	42	W	4	0	30.19	-0.10	46	46	+9	SW	2	f	1	o	50	37	*	-	
	Berlin ...	30.08	42	W	4	0	29.98	+0.05	45	43	+8	W	3	0	1	o	46	37	*	-	
SPAN. PEN.	Frankfurt ...	30.26	39	W	2	3	30.22	+0.03	40	39	0	SW	2	0	1	3	48	37	*	-	
	Munich ...	30.30	34	SW	4	0	30.26	+0.15	32	30	-1	W	4	3c	1	3, o	36	30	*	0.04	
	C. Gris Nez ...	30.23	43	SW	4	f	30.13	-0.12	44	44	+3	SSW	4	0	3	f	52	41	*	0.08	
	Brest ...	30.34	50	NW	2	c	30.21	-0.20	49	49	+1	NW	1	c	2	c	52	48	*	-	
	Lorient ...	30.32	54	NNW	2	0	30.21	-0.16	47	47	0	ENE	1	3c	2	o	57	46	*	-	
	Rochefort ...	30.36	52	NNW	2	0	30.26	-0.10	49	49	-2	Z	0	omp	1	o	55	48	*	-	
	Biarritz ...	30.34	53	NNW	2	0	30.21	-0.17	48	47	-4	E	2	3c	2	o	54	46	*	-	
	Paris ...	30.30	53	W	2	0	30.22	-0.12	48	47	+7	SSW	1	0	1	o	56	41	*	-	
	Belfort ...	30.27	43	W	4	3	30.24	-0.05	35	32	0	ENE	3	omp	1	3	49	30	*	-	
	Lyons ...	30.31	45	N	1	3	30.25	-0.11	39	33	+4	N	1	3	1	3	50	35	*	-	
Nice ...	30.02	49	NW	1	3	?	?	47	39	-1	Z	0	3	0	3	61	45	*	-		
Perpignan ...	30.17	57	NW	4	3c	30.16	-0.04	49	45	-3	Z	0	3	0	3c	63	45	*	?		
SPAN. PEN.	Corunna ...	30.17	54	NNW	4	3	30.11	-0.11	59	53	+1	NNW	2	3	0	3	59	54	*	-	
	Lisbon ...	30.17	54	NNW	4	3	30.11	-0.11	59	53	+1	NNW	2	3	0	3	59	54	*	-	
SPAN. PEN.	Azores (P. Delgada) ...	30.17	54	NNW	4	3	30.11	-0.11	59	53	+1	NNW	2	3	0	3	59	54	*	-	
	Azores (P. Delgada) ...	30.17	54	NNW	4	3	30.11	-0.11	59	53	+1	NNW	2	3	0	3	59	54	*	-	

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

\* Observations for this column not generally received.

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



# WEATHER CHARTS

FOR Tuesday 18<sup>th</sup> March, 1902

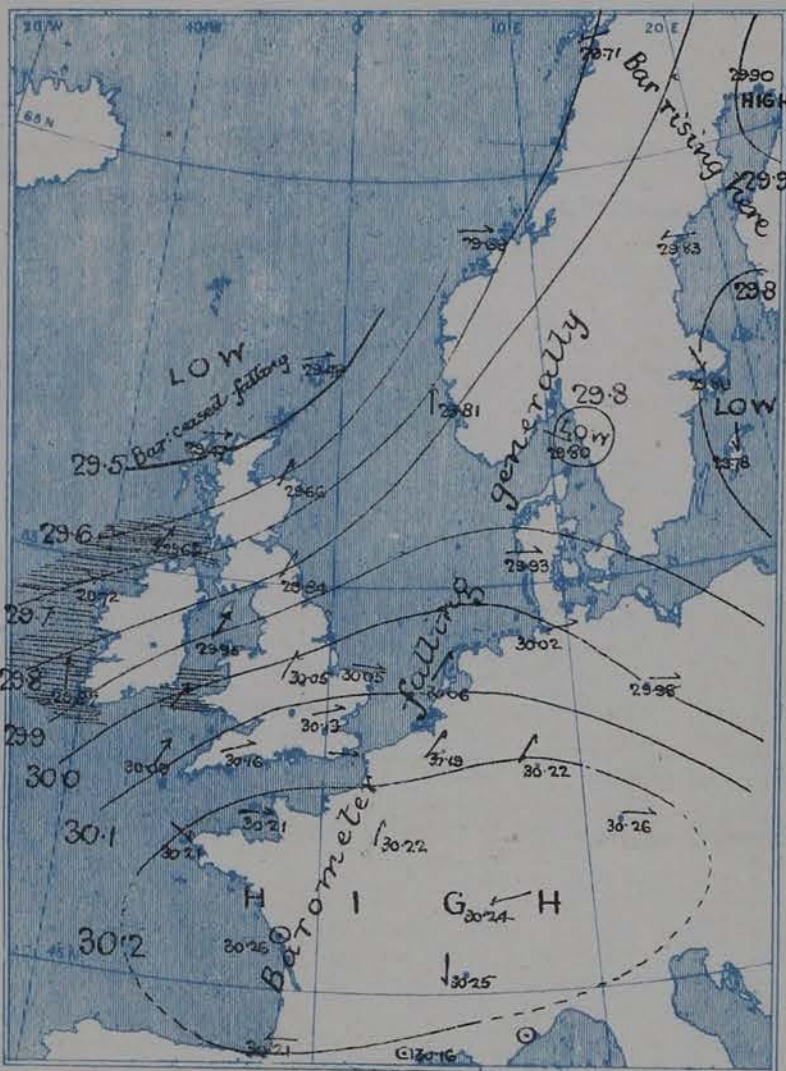
## I. BAROMETER, WIND AND SEA. This Morning.

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

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

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

SEA.—Rough : High



## II TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

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

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.8



## III BAROMETER AND WIND

Yesterday morning.



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

Specimen { RAINFALL 1.74  
(for Shields) { RAIN DAYS 15  
Malin Head & Blacksod & Belmullet Values are for only 15 Yrs



## V. Means of DAILY TEMPERATURE

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





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

Barometric pressure is highest, above 30.2 ins., in an anticyclone extending eastwards from the Bay of Biscay across France to the south of Germany, while it is lowest, 29.5 ins. and less, in a cyclonic system whose centre lies to the northward of Scotland. It is also relatively low, about 29.8 ins., in two other disturbances shown over the south of Scandinavia. The barometer is falling very generally, the movement being rather brisk along our own western coasts. Gradients are moderate to slight, but are increasing slowly over our Islands.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

S<sup>W</sup> and SW<sup>W</sup> winds prevail over our Islands and their immediate neighbourhood and blow freshly or strongly on our western and northwestern coasts. Over Norway and Sweden the wind is rather variable in direction and light or moderate in force. Temperature has fallen a little in many places, but is still above the mean over the United Kingdom. The readings range from 51° at Leith and 50° at Raim and Valencia, to 45° in the Shetlands and at Loughborough, and to 43° at Yarmouth. Over the continental part of our area the readings vary from 49° in the west of France to 45° at Berlin and to 32° at Munich, and from 40° at Christiansund to 26° at Stockholm and to 5° at Haparanda. The sky is partially clear in a few isolated localities, but very cloudy or overcast as a whole; in the west and north of Ireland and in the Hebrides rain has set in, while at Berners and snow is falling. The sea is rather rough at Pembroke and off the western and northern coasts of Ireland, moderate to smooth elsewhere.

Maximum temperatures as high as 62° were recorded yesterday at Aberdeen and in London and readings of about 60° were registered in many different districts; at Dungeness, however, the highest value was only 48°. Rain has fallen in the extreme west and north, but the amounts have been slight except in the west of Norway. The amount of bright sunshine recorded yesterday was small generally, but Rhyl and Harrogate had as much as five or six hours.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The disturbance in the north will probably move eastwards and cause freshening SW<sup>W</sup> winds and rain in all the more northern districts, but our more southern counties may be influenced by a secondary system advancing from the westward or southward.

## FORECASTS \*

For the 24 hours ending at NOON on 19<sup>th</sup> MARCH, 1902

### DISTRICTS.

### FORECASTS.

1	SCOTLAND NORTH	W <sup>W</sup> and SW <sup>W</sup> winds, moderate or fresh; mild, changeable, some rain in places.
2	SCOTLAND EAST	
3	ENGLAND N.E.	SW <sup>W</sup> winds, freshening somewhat; mild, cloudy or dull generally, some rain in places.
4	ENGLAND EAST	
5	MIDLAND COUNTIES	
6	ENGLAND SOUTH	

### DISTRICTS.

### FORECASTS.

7	SCOTLAND WEST	SW <sup>W</sup> and W <sup>W</sup> winds, fresh or strong in places; mild, rain at times.
8	ENGLAND N.W.	
9	ENGLAND S.W.	SW <sup>W</sup> winds, increasing in force; mild, cloudy or dull; rain in many places.
10	IRELAND NORTH	S <sup>W</sup> to SW <sup>W</sup> or W <sup>W</sup> winds, varying in force; mild, some rain, then fairer.
11	IRELAND SOUTH	

### WARNINGS

At 7.10 pm yesterday to district 6, and parts of 0 and 9 "HOIST SOUTH 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 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.	Rainfall
					Ins.	Change.	Dry	Wet.	Change					Max.	Min.	Hrs.	Ins.
Clacton-on Sea	"	"	"	"	"	"	"	"	"	"	0	"	00	53	40	2.1	-
Newton Reigny (Penrith)	30.08	48	SSW 1	7	29.88	- .23	45	43	- 2	SW 3	c	"	23.09	57	45	5.5	-
Bath	30.20	52	SW 1	0	30.11	- .17	48	43	+ 1	SW 1	0	"	0	58	42	4.0	-

## 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.	55	41	0c	5.5	-	Worthing	"	"	"	0.0	"
Birmingham, 9 p.m.	55	46	c	0.1	-	Llandudno	"	"	"	1.8	"
Lowestoft, 6 p.m.	59	34	3c	1.7	-	Rhyl	"	"	"	5.7	"
Hastings	"	"	"	0.0	"	Southport, 9 p.m.	51	45	op, c, 0	0.7	0.05
Eastbourne	"	"	"	0.1	"	Manchester, 9 p.m.	56	44	0	0.0	0.02
Brighton	"	"	"	0.0	"	Darwen, 9 p.m.	53	42	0v	0.5	0.04

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

STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal) <i>Not recd.</i>				Ins.	Algiers	68	52	c c	-
Madrid	68	40	b c	-	Tunis	64	41	c 0	0.04
Corsica (I. Sanguinaires)	59	48	f f	-	Vienna	50	37	bc r	0.08
Rome	56	41	r f	0.47	St. Petersburg	36	25	0 0	0.04
Florence	51	35	b b	0.35	16. March	1 p.m.	Not yet recd.		Measured 7 a.m.
Trieste	52	39	c c	0.12	Lugano				
Brindisi	59	44	c r	-	Davos				
Naples	52	36	0 c	0.95	Lucerne				
Palermo	62	47	0 r	0.59	Lausanne				

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

18. March, 1902	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	6.2	12.1	6.0
Greenwich	6.9	12.8	6.7
Wick	6.23	12.20	6.18
Valencia	6.50	12.49	6.48

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, 19th March, 1902.

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.
SCANDINAVIA.	Haparanda ...	29.95	8	Z	0	3	29.73	-17	10	9	+5	SSE	2	c	*	3	21	5	*	-	
	Hernösand ...	29.79	20	Z	0	0	29.35	-48	26	25	+2	Z	0	o	*	0	28	19	*	0.08	
	Stockholm ...	29.86	29	S	2	0	29.57	-23	37	36	+11	SSW	4	o	*	0	37	23	*	0.04	
	Wisby ...	29.92	35	N	2	3	29.78	0	35	35	+2	SSW	2	o	*	3	39	27	*	-	
	Karlstad...	29.79	34	SW	2	0	29.50	-35	38	37	+6	SW	2	o	*	0	39	27	*	-	
	Færder (X'iania Fjord)	29.73	35	S	3	f	29.54	-27	35	35	+3	WSW	5	f	4	f	36	32	*	-	
	Bodö ...	29.55	28	E	4	0	29.60	-11	25	24	-4	E	6	f	2	3	32	23	*	-	
	Christiansund ...	29.38	42	SSE	3	7	29.19	-50	40	37	0	S	2	c	5	7	45	37	*	0.08	
	Skudesnaes ...	29.66	40	S	6	0	29.57	-24	38	37	0	W	4	bc	*	3	40	37	*	-	
	Sumburgh Head	29.41	43	WSW	3	c	29.29	-19	37	36	-8	W	4	o	5	o,c	47	37	*	0.08	
BRITISH ISLANDS.	Stornoway ...	29.50	44	W	6	bc	29.48	+01	38	37	-8	W	4	o,c	4	o,bc	48	35	3.8	0.17	
	Malin Head ...	29.72	45	W	6	bc	29.70	+07	43	41	-4	WNW	7	c,g	5	o,bc	48	39	*	0.13	
	Blacksod Pt. ...	29.83	45	WNW	4	bc	29.84	+12	45	42	-3	WNW	5	bc	4	o,bc	48	42	*	0.09	
	Valencia...	29.92	46	WNW	1	0	29.98	+11	45	42	-5	W	2	bc	4	o,c	50	40	0.0	0.38	
	Roche's Point ...	29.89	44	NW	5	0	29.98	+02	40	38	-9	WSW	1	bc	2	o,c	49	34	*	0.06	
	Parsonstown ...	29.88	43	SE	2	7	29.91	+05	37	37	-12	SSE	1	bc	*	o,c	53	33	0.2	0.15	
	Donaghadee ...	29.80	45	NW	2	0	29.77	-06	37	37	-10	NW	2	bc	2	o,c	60	35	*	0.06	
	Liverpool Obsy.	29.90	48	SW	4	0	29.90	-07	41	39	-6	WSW	2	bc	2	o,c	52	39	*	0.07	
	Holyhead ...	29.87	46	SW	7	o,g,m	29.90	-05	45	43	-2	SW	2	bc	2	o,c	50	40	*	0.09	
	Pembroke (St. Ann's)	29.93	46	SW	6	0	29.96	-07	44	41	-3	NW	3	bc	4	o,c	48	42	0.6	0.04	
GERMANY, &c.	Scilly (St. Mary's)...	29.92	49	S	5	0	29.98	-11	48	47	-1	NNW	4	c	4	o	52	46	0.0	0.03	
	Jersey (St. Aubins)...	30.08	52	E	3	c,g	29.99	-22	44	45	-1	WSW	2	c,m	2	o,c	55	45	3.8	-	
	Portland Bill ...	30.06	46	WSW	2	c	29.98	-18	46	45	0	SSW	1	bc	2	o,c	47	43	*	-	
	Dungeness ...	30.06	46	WSW	3	0	29.97	-16	46	45	0	S	3	o	1	o	51	44	*	-	
	Wick ...	29.48	43	SW	4	c	29.45	-08	39	38	-8	SW	3	c	1	c	50	35	*	0.07	
	Nairn ...	29.59	43	W	2	bc	29.53	-04	39	37	-11	W	3	c	1	bc	50	35	*	0.04	
	Aberdeen ...	29.61	48	W	2	bc	29.56	-10	43	38	-6	SW	3	bc	2	o,c	54	37	1.1	-	
	Leith ...	29.69	46	SSW	3	bc	29.65	-08	43	40	-8	SW	3	c	*	bc	55	39	*	-	
	North Shields ...	29.76	51	SW	3	c	29.76	-08	42	40	-5	SW	3	c	2	c,p	56	39	*	-	
	Spurn Head ...	29.87	48	S	4	bc	29.82	-17	44	43	0	S	4	c	3	bc	54	43	*	-	
FRANCE.	Yarmouth ...	29.98	49	SW	4	c	29.92	-13	44	42	+1	WSW	3	bc	3	bc,c	51	41	*	-	
	Loughborough ...	29.95	49	SW	4	0	29.92	-13	42	41	-3	W	2	o	*	o,g,m	51	42	*	-	
	Oxford ...	30.02	47	SW	3	0	29.96	-15	44	41	-2	WSW	3	c,p	*	o	50	41	*	-	
	London (Brixton)	30.04	48	SW	2	0	29.97	-16	47	43	0	WSW	1	bc	*	o	50	43	0.0	-	
	The Scaw (Skagen)	29.82	41	WSW	3	f	29.65	-15	41	41	+3	WSW	3	m	1	f	41	37	*	0.04	
	Fanö ...	29.93	39	SW	4	0	29.82	-11	39	39	-1	SSW	4	o	*	o	45	39	*	-	
	Cuxhaven ...	30.04	44	WSW	2	bc	29.95	-07	43	41	+1	SW	2	o	*	bc	46	41	*	-	
	The Helder ...	30.06	43	SW	1	0	29.94	-12	43	41	-1	SW	2	o	1	o	48	43	*	-	
	Brussels...	*	*	*	*	*	30.02	-17	46	45	0	NE	1	m	*	o	56	44	*	-	
	Berlin ...	30.04	50	W	3	0	30.04	+06	47	45	+2	W	1	o	*	o	52	45	*	-	
SPAN. PEN.	Frankfurt ...	30.12	51	SW	2	c	30.07	-15	45	42	+5	SW	2	c	*	c	57	40	*	-	
	Munich ...	30.18	38	SW	2	bc	30.18	-13	32	31	0	SE	2	bc	*	bc	46	28	*	-	
	C. Gris Nez ...	30.09	44	SSW	3	0	30.00	-13	46	43	+2	SSW	3	o	3	o	52	43	*	-	
	Brest ...	30.10	48	ENE	2	m	29.97	-24	46	45	-3	ESE	1	bc	2	c	55	46	*	-	
	Lorient ...	30.08	49	S	1	c	29.99	-22	45	43	-2	ESE	2	bc	2	c	57	43	*	-	
	Rochefort ...	30.06	53	NNW	3	bc	29.96	-30	43	42	-6	E	3	bc	*	bc	61	41	*	-	
	Biarritz ...	30.05	55	NNE	4	bc	30.00	-21	53	52	+5	WNW	4	c	2	bc	55	48	*	-	
	Paris ...	30.12	53	SSW	1	0	30.02	-20	36	36	-12	N	1	bc	*	o	55	34	*	-	
	Belfort ...	30.10	48	ENE	2	m	30.08	-16	37	33	+2	Z	0	m	*	m	54	33	*	-	
	Lyons ...	30.15	47	ENE	1	bc	30.12	-13	40	35	+1	SE	1	bc	*	bc	56	35	*	-	
Nice ...	30.10	49	SW	3	bc	30.11	-01	48	42	+1	E	3	bc	2	bc	61	43	*	-		
Perpignan ...	30.09	53	S	1	bc	30.03	-13	42	42	+7	W	1	bc	*	bc	65	37	*	-		
SPAN. PEN.	Corunna ...	30.07	54	NNW	4	bc	30.06	-05	52	51	+7	NNW	4	o	*	bc	68	52	*	0.04	
	Lisbon ...	30.07	54	NNW	4	bc	30.06	-05	52	51	+7	NNW	4	o	*	bc	68	52	*	0.04	
Azores (P. Delgada)	30.35	55	NE	5	7	30.38	+15	54	48	-3	ENE	3	c	3	7	63	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 Wednesday 19<sup>th</sup> March, 1902

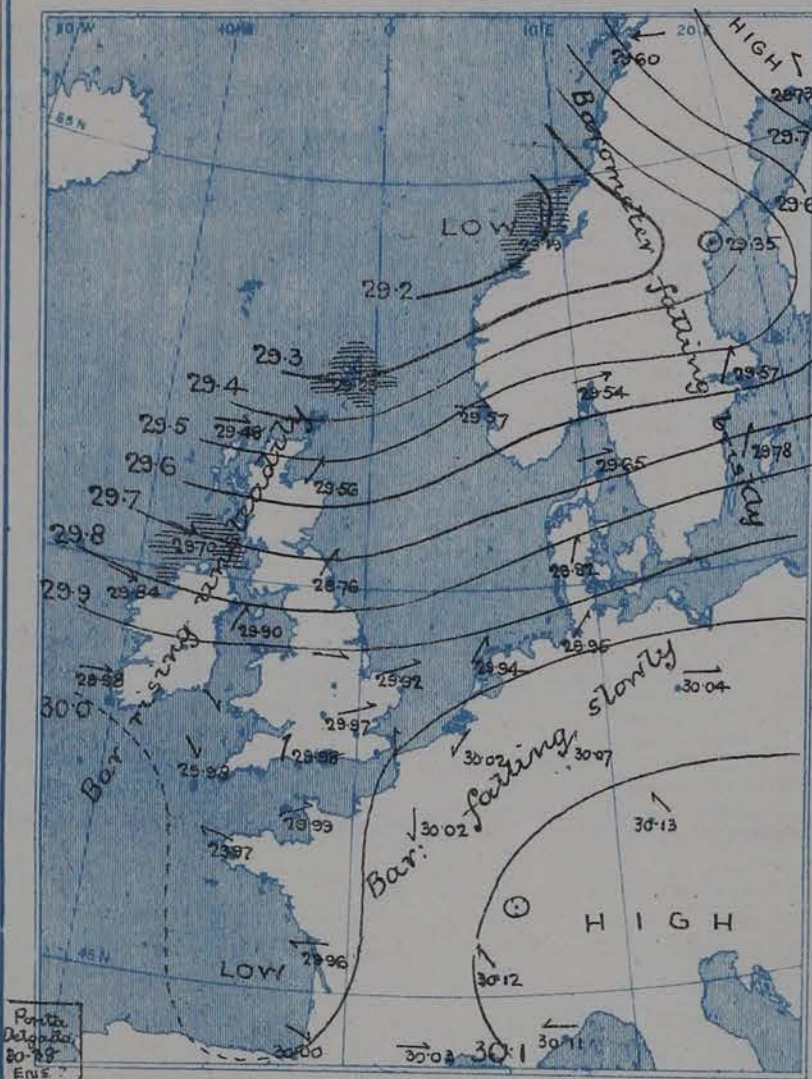
## I. BAROMETER, WIND AND SEA. This Morning.

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

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

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

SEA.—Rough : High



## II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

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

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



## III. BAROMETER AND WIND

Yesterday morning.



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

Specimen { RAINFALL 1.74  
(for Shields) { RAIN DAYS 15

Malin Head & Black s.d. Belmullet Values are for only 15 Yrs



## V. Means of DAILY TEMPERATURE

at 8 A.M. for the monthly period

MARCH (1871-1900)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The anticyclone recently noticed to the south of our Islands is breaking up; the highest pressures, 30.1 ins. and upwards being now reported over South Germany and the southeast of France. The lowest readings, 29.2 ins. and less are found in a cyclonic area lying off the west of Norway and the barometer is falling briskly in Scandinavia and Denmark. In the south there are two shallow secondary disturbances: one over the western part of the Channel, and the other over the Bay of Biscay; in their rear the barometer is rising slightly and unsteadily on our western coasts.

### WIND

Light to moderate breezes from the southwestward are reported over the major part of Great Britain and also over the Netherlands, Germany, Denmark, and the south of Scandinavia but in Ireland and the west of Scotland the wind is westerly (strong in force at Malin Head) while at the mouths of the Bristol and English Channels it is northwesterly. In the west of France there is a cyclonic circulation round the shallow secondary system over the Bay of Biscay.

### TEMPERATURE

Temperature has fallen in most parts of our Islands and France, but is still above the average at all but a few of the Irish and Scotch stations. In the south of England the readings vary between 46° and 48°, but in central Ireland and the north of Scotland, they are below 40°, the lowest reported being 37° at Sumburgh Head and at Parsonstown. Frost still prevails over the northern parts of Scandinavia; at Haparanda the thermometer stands at 10°. The weather is fine over the United Kingdom and France generally, but rain is falling at one or two stations in the south of England, and hail at Stormoway. Over Scandinavia, Denmark, Germany, and the Netherlands the weather is cloudy, snow is falling at Bodø. The sea is rather rough off the Shetlands and the west of Norway and also at Malin Head, but moderate to smooth elsewhere.

### WEATHER

### AND

### SEA

During yesterday the thermometer rose to between 50° and 55° in many parts of the United Kingdom and to 60° at Donaghadee. Small amounts of bright sunshine were recorded at many of our western and northern stations; in the south and southeast there was none. Rain fell at most of our western and extreme northern stations.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The shallow secondary systems over the Channel and the Bay of Biscay are likely to occasion changeable showery weather at many of our southern stations. The baric rise in the west is extremely slight, and it is probable that in the course of the next twenty-four hours a new disturbance will appear off our western or northwestern coasts.

## FORECASTS \*

For the 24 hours ending at NOON on 20<sup>th</sup> March, 1902

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	W <sup>4</sup> to SW <sup>4</sup> winds, freshening; cloudy, some cold showers.
1	SCOTLAND EAST	SW <sup>4</sup> and W <sup>4</sup> winds, moderate; fair generally
2	ENGLAND N.E.	
3	ENGLAND EAST	W <sup>4</sup> winds, light, fair generally, but slight showers in places.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	SW <sup>4</sup> to NW <sup>4</sup> winds, light; weather rather changeable with showers in most places.

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	W <sup>4</sup> to SW <sup>4</sup> winds, strong, squally, some showers.
7	ENGLAND N.W.	Same as Nos 0 and 1.
8	ENGLAND S.W.	NW <sup>4</sup> to W <sup>4</sup> winds, moderate, fair generally.
9	IRELAND NORTH	Same as No. 6.
10	IRELAND SOUTH	W <sup>4</sup> to SW <sup>4</sup> winds, freshening, fine at first some rain later.

### WARNINGS

The South Cone is still flying in district 6 and parts of 0 and 9.

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

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



ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.																	
TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 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.	Rainfall
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.	Hrs.	Ins.
Clacton-on Sea .....	*	*	*	*	*	*	*	*	*	*	c	*	o	49	42	0·0	-
Newton Reigny (Penrith) ...	29·78	46	sw 3	r	29·79	-·09	40	39	-·5	sw 4	c	*	codg	50	39	2·3	0·04
Bath .....	30·01	53	sw 3	o	29·97	-·14	48	45	o	w 2	r	*	o	58	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. ....	53	43	c	2·3	-		Worthing ... ..	*	*	.	0·0	.
Birmingham, 9 p.m. ....	54	40	o	1·2	-		Llandudno ... ..	*	*	.	3·5	.
Lowestoft, 6 p.m. ....	51	39	c	0·0	-		Rhyl ... ..	*	*	e	4·8	.
Hastings ... ..	*	*	.	0·0	.		Southport, 9 p.m. ...	53	46	o, c, o	2·4	-
Eastbourne ... ..	*	*	.	0·0	.		Manchester, 9 p.m....	54	43	ou	2·3	-
Brighton ... ..	*x	x	x	0·0	x		Darwen, 9 p.m. ...	49	41	ov	0·0	-

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

STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.		STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.
	Max. °	Min. °					Max. °	Min. °		
Madeira (Funchal)	68	50	b b	Ins.	-	Algiers ... ..	66	50	c b	Ins.
Madrid ... ..	68	41	b c	-	-	Tunis... ..	59	41	bc o	-
Corsica (I. Sanguinaires)	70	50	f f	-	-	Vienna ... ..	45	37	c o	0·08
Rome ... ..	55	46	c bc	-	-	St. Petersburg...	37	25	s s	0·20
Florence ... ..	57	43	b b	-	-	<b>17. March</b>		Ipm		Measured 7 a.m.
Trieste ... ..	57	41	b b	0·16	-	Lugano ... ..	59	-	b	-
Brindisi... ..	52	46	r r	1·34	-	Davos ... ..	28	-	o	0·18
Naples ... ..	50	43	o o	0·24	-	Lucerne ... ..	45	-	bc	0·12
Palermo ... ..	60	44	bc r	0·16	-	Lausanne ... ..	45	-	b	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)	6.51a.m.	6 p.m. (Paris)	5.51p.m.
Spain ... ..	9 a.m. (San Fernando)	9.25a.m.	6 p.m. (San Fernando)	6.25p.m.
Portugal ... ..	8 a.m. (Lisbon)	8.36a.m.		

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

19...Mar..1902	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth ... ..	h. m. 6.0	h. m. 12.1	h. m. 6.2
Greenwich ... ..	6.7	12.8	6.9
Wick ... ..	6.20	12.20	6.20
Valencia ... ..	6.48	12.49	6.50

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

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

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

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

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



# DAILY WEATHER REPORT

for 8 a.m. on *Thursday, 20th March, 1902.*

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

STATIONS.	YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS				
	Barom.	Temp.	Wind.			Barometer.	Temperature.				Wind.					Temp.				
	At 32° and M.S.L.	Dry Bulb.	Dirac.	Force (0 to 12.)	Weather.	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dirac.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Max.	Min.	Sun- shine.	Rainfall.	
	Ins.					Ins.	Ins.	°	°									Hours	Ins.	
<b>SCANDINAVIA.</b>																				
Laparanda ...	29.09	6	E	6	S	29.67	-0.6	-6	-7	-16	N	4	3	*	S	16	-11	*	0.12	
Hernösand ...	29.30	22	Z	0	0	29.44	+0.9	12	11	-14	E	4	0	*	0	32	12	*	-	
Stockholm ...	29.47	38	SW	4	0	29.35	-2.2	36	35	-1	SW	4	0	*	0	43	28	*	-	
Visby ...	29.18	38	SW	6	0	29.47	-3.1	36	36	+1	S	4	0	*	0	45	28	*	0.04	
Karlstad ...	29.42	36	W	2	C	29.19	-3.1	34	34	-4	SSW	4	7	*	C	*	*	*	0.04	
Årder (X'ania Fjord) ...	29.40	36	SW	5	0	29.02	-5.2	36	36	+1	S	6	7	3	0	37	34	*	0.24	
Ödö ...	29.20	21	E	6	0	29.25	-3.5	18	15	-7	E	6	8c	2	0	25	16	*	-	
Christiansund ...	29.13	37	ESS	3	3	28.80	-3.9	37	33	-3	SE	4	0	4	3	40	36	*	0.08	
Kudesnaes ...	29.32	39	SSW	4	0	28.70	-8.7	40	40	+2	SSW	8	0	5	0	41	36	*	*	
<b>BRITISH ISLANDS.</b>																				
Lumburgh Head ...	28.91	39	SSW	4	7	28.34	-9.5	38	37	+1	WSW	3	7	5	7	43	33	*	0.07	
Stornoway ...	28.87	44	WSW	5	7	28.73	-7.5	35	34	-3	WNW	6	5c	5	7	48	34	0.0	0.52	
Falin Head ...	29.20	46	W	9	0.9p	28.99	-7.1	41	39	-2	WNW	7	8c	6	0.9p	47	37	*	0.41	
Blackod Pt. ...	29.46	48	WSW	8	0.9p	29.23	-6.1	42	39	-3	WNW	8	8c	6	0.9p	49	39	*	0.31	
Malencia ...	29.76	49	SW	4	0.9p	29.43	-5.5	45	42	0	WNW	6	0.9	6	0.9p	51	41	3.3	0.12	
Loche's Point ...	29.78	48	WSW	4	0	29.40	-5.8	45	42	+5	WNW	4	0	4	0.0	50	38	*	0.01	
Marsonstown ...	29.61	46	W	7	7	29.29	-6.2	40	38	+3	W	3	C	*	0.9p	50	37	3.8	0.13	
Donaghadee ...	29.46	48	W	4	0.9p	29.12	-6.5	40	38	+3	WNW	3	8c	3	0.9p	48	36	*	0.05	
Liverpool Obsy. ...	29.66	47	SW	5	0	29.19	-7.1	44	41	+3	WSW	6	8	5	8p.0	49	41	*	-	
Lolyhead ...	29.65	45	SW	7	0	29.24	-6.6	44	42	-1	WSW	7	0.9p	6	0.9	48	39	*	0.11	
Lembroke (St. Ann's) ...	29.80	46	WSW	5	8c	29.36	-6.0	46	44	+2	SW	7	0.9p	6	8c	48	43	8.4	0.03	
Lilly (St. Mary's) ...	29.92	48	W	4	C	29.52	-4.6	49	47	+1	WSW	7	0	5	8c	51	46	10.2	0.01	
Lersey (St. Aubins) ...	29.96	51	WSW	4	8	29.70	-2.9	49	46	+2	WSW	5	8c	4	8c, 8	55	45	7.4	-	
Lortland Bill ...	29.88	45	WSW	3	8	29.50	-4.0	45	45	-1	WSW	7	0.9p	6	8c	51	44	*	-	
Lungeness ...	29.83	46	WNW	4	8c	29.50	-4.7	47	46	+1	WSW	7	C	6	8c, 8p	51	43	*	-	
Lick ...	28.92	42	SSW	6	C	28.59	-8.6	38	35	-1	SW	6	8c	2	0.9	47	33	*	0.15	
Lairn ...	28.96	42	W	3	7	28.73	-8.0	37	35	-2	W	4	C	2	7p	45	33	*	0.38	
Lerdeen ...	29.13	43	SSW	6	0.9p	28.77	-7.9	42	37	-1	WSW	4	8c	2	0.9	47	37	3.4	0.01	
Leth ...	29.25	44	SSW	4	0	28.91	-7.4	40	38	-3	SW	4	C	*	0.9p	49	37	*	0.12	
Lorth Shields ...	29.48	46	SW	4	0	29.02	-7.4	43	39	+1	WSW	4	8c	2	0.9p	50	40	*	0.04	
Lurn Head ...	29.59	44	WNW	5	C	29.21	-6.1	45	42	+1	SSW	5	8c	4	0.9p	54	41	*	0.07	
Larmouth ...	29.74	50	WSW	3	8c	29.33	-5.9	46	44	+2	WSW	5	0.9	5	0.8c	52	40	*	-	
Loughborough ...	29.72	49	SW	4	C	29.27	-6.5	46	44	+4	WSW	5	0.9p	*	8c, 0.9p	54	42	*	0.03	
Lxford ...	29.76	42	SW	3	8	29.39	-5.7	46	45	+2	SW	4	0.9p	*	8c, 0.9	54	41	*	0.01	
London (Brixton) ...	29.80	51	SW	3	8	29.44	-5.3	46	44	-1	SW	6	0.9	*	8c, 8p	58	41	4.7	-	
<b>GERMANY, &amp;c.</b>																				
Lhe Scaw (Skagen) ...	29.51	39	W	4	m	29.09	-5.6	39	39	-2	SSW	5	7	1	m	43	37	*	0.12	
Lano ...	29.60	36	SSW	2	0	29.25	-5.7	39	38	0	SSW	6	7	*	0	41	36	*	0.08	
Luxhaven ...	29.91	44	SW	2	0	29.42	-5.3	42	40	-1	SW	6	0	*	0	46	41	*	-	
Lhe Helder ...	29.76	43	SW	1	0	29.38	-5.6	43	41	0	SW	7	C	4	0	48	41	*	-	
Lussels ...	*	*	*	*	*	29.66	-3.6	43	41	-3	SW	6	8c	*	0	58	41	*	-	
Lerlin ...	29.87	50	SW	1	0	29.64	-4.0	43	41	-4	SSW	3	8	*	0	52	39	*	-	
Lrankfurt ...	29.86	50	SSW	2	8	29.78	-2.9	44	39	-1	SW	2	8	*	8	63	41	*	-	
Lunich ...	29.99	42	Z	0	8	29.92	-2.1	42	38	+10	W	4	8	*	8	55	32	*	-	
<b>FRANCE.</b>																				
Lris Nez ...	29.81	45	SW	3	8	29.54	-4.6	48	42	+2	SW	7	0	6	8	57	41	*	-	
Lrest ...	29.98	50	WNW	2	8	29.78	-1.9	48	47	+2	SW	3	C	3	8	57	46	*	-	
Lorient ...	29.96	52	N	1	8c	29.81	-1.8	49	48	+4	SW	4	0	4	8c	63	45	*	-	
Lochefort ...	29.94	54	NW	1	8	29.91	-0.5	49	48	+6	SW	2	8	*	8	66	43	*	-	
Larritz ...	29.97	56	NNE	2	C	29.99	-0.1	52	52	0	WSW	1	C	8	8	59	52	*	-	
<b>SPAIN.</b>																				
Laris ...	29.91	58	SSW	2	8	29.81	-2.1	42	40	+6	SSW	2	8	*	8	64	36	*	-	
Lelfort ...	29.92	56	WSW	4	8	29.90	-1.8	45	41	+8	SW	4	C	*	8	63	37	*	-	
Ljons ...	30.01	55	SE	3	8	30.01	-1.1	46	41	+6	SE	1	8	*	8	64	39	*	-	
Lice ...	30.10	49	Z	0	8	30.05	-0.6	46	41	-2	Z	0	8	*	8	63	42	*	-	
Lerpignan ...	29.98	60	S	1	8	30.01	-0.2	49	47	+7	Z	0	0	*	8	70	42	*	-	
<b>SPAN. PEN.</b>																				
Lorunna ...																				
Lashor ...																				
Lzores (P. Delgada) ...	30.39	52	N	4	8	30.22	-0.6	55	52	+1	N	3	8	8	8	59	52	*	-	

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

\* Observations for this column not generally received.

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



# WEATHER CHARTS

FOR Thursday 20<sup>th</sup> March, 1902

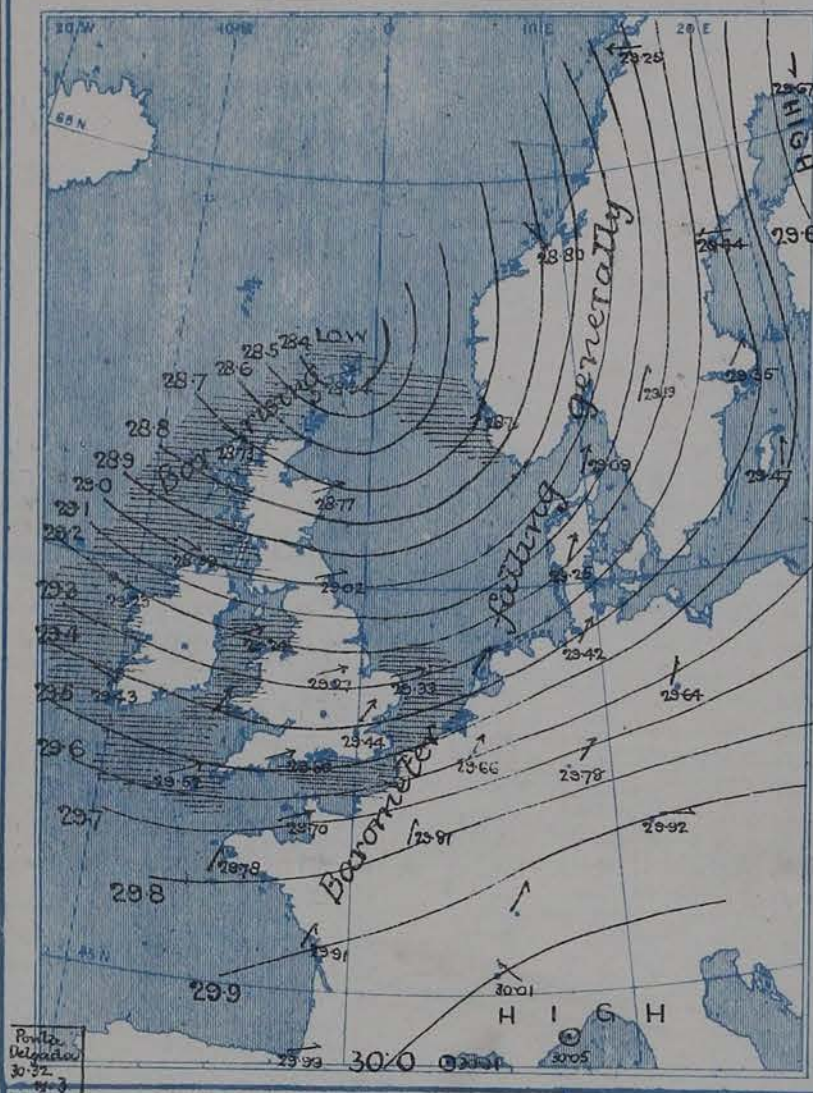
## I. BAROMETER, WIND AND SEA. This Morning.

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

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

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

SEA.—Rough : High



## II TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

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

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.8



## III BAROMETER AND WIND

Yesterday morning.



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

Specimen (RAINFALL 1.74 (for Shields) (RAIN DAYS 15

Malin Head & Black s.d. Belmullet Values are for only 15 Yrs



## V. Means of DAILY TEMPERATURE

at 8 A.M. for the monthly period

MARCH (1871-1900.)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The centre of a very deep and large disturbance in which the barometer has sunk to 28.4 ins. now lies over the Shetlands, where the highest readings, 30.0 ins. and upwards, are found over the south of France. The barometer has commenced to rise again on our extreme northern and northwestern coasts, but is still falling elsewhere - very quickly in Norway. Gradients are steep or rather so over the whole of northwestern Europe, but slight in the south and southwest of France.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind varies between WNW. and NSW. over the United Kingdom and blows strongly or freshly in most places; at many southern and southwestern stations a moderate gale is reported while at Blackhead Point there is a fresh gale. To the eastward of the North Sea the wind draws into the S<sup>d</sup> or SE<sup>d</sup> and blows strongly; at Skudesnæs it has attained the force of a gale. Temperature has fallen somewhat in Scandinavia and at our own northern and northwestern stations, and risen in south Germany and most parts of France; elsewhere it has changed little and irregularly. The readings are still a little above the normal in the west and south of our Islands. They range from 49° at Seilly and Jersey and 48° at Bath to 40° at Leith, 37° at Rann, and 35° in the Hebrides. Over the north of Norway and Sweden frost still prevails, at Haparanda the temperature is 6° below zero. The weather is in a cloudy and unsettled condition generally, with hail squalls on our extreme northwestern coasts and rain in some parts of England. Rain is also falling over Denmark and the south of Scandinavia. In Germany and at some French stations the sky is clear. The sea is rough or rather so on almost all parts of our coasts, and off the southwest coast of Norway.

During yesterday temperature rose to a maximum of 58° in London and readings of 50° or a little higher were very general over the Kingdom. Rain has fallen in most parts of our Islands, the amounts at some stations in the extreme north being rather heavy. Bright sunshine was very abundant in the south and southwest, but elsewhere there was only a moderate or small amount and at Storöway there was none. Strong gales were experienced during yesterday or last night in the north of Scotland and north of Ireland.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The cyclonic disturbance will probably move eastwards, and the winds over our Islands will gradually subside. There are at present no indications of the approach of any other low pressure system, but the distribution of pressure is favourable for the advance of secondaries from the westward.

## FORECASTS \*

For the 24 hours ending at NOON on 21<sup>st</sup> March, 1902

### DISTRICTS.



### FORECASTS.

0	SCOTLAND NORTH	W <sup>ly</sup> to NW <sup>ly</sup> strong winds or gales; colder; squally hail or sleet showers.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Wind veering to W or NW. and blowing strongly; squally, some rain, colder.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	SW <sup>ly</sup> to W <sup>ly</sup> winds, strong at first moderating later; cooler, squally, some showers.
5	ENGLAND SOUTH	

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	W <sup>ly</sup> or NW <sup>ly</sup> winds, strong to moderate; cooler, showery.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Wind veering to W and gradually decreasing, cooler changeable, some showers.
9	IRELAND NORTH	Same as Nos. 0 and 1.
10	IRELAND SOUTH	Same as Nos. 6 and 7.
WARNINGS		At 3.30 pm yesterday to districts 1, 2, 7 and 10, "HOIST SOUTH CONE"; at 7 pm to district 6 and parts of 0 and 9, "KEEP UP SOUTH CONE"; at 7.45 pm to part of district 8, "HOIST SOUTH CONE".

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

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



# ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.				THIS MORNING 8 A.M.							PAST 24 HOURS.				
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer. Ins. Change.	Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
						Dry.	Wet.	Change.					Max.	Min.		
Clacton-on Sea	*	*	*	*	*	*	*	*	*	c	*	bc, c	54	41	3.7	-
Newton Reigny (Penrith)	29.47	42	sw 6	o	29.09	-7.0	40	37	o	ws 6	bc 9	c 9 7 2	47	40	3.5	0.27
Bath	29.85	49	sw 3	o	29.41	-5.6	48	46	o	sw 5	7	o	53	42	8.0	0.01

## 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	38	c	5.8	0.02	Worthing	*	*	*	6.8	-
Birmingham, 9 p.m.	59	40	c	5.7	-	Llandudno	*	*	*	8.2	*
Lowestoft, 6 p.m.	54	42	7	3.9	-	Rhyl	*	*	*	8.0	*
Hastings	*	*	*	3.9	*	Southport, 9 p.m.	49	40	c, bc, o	8.1	0.02
Eastbourne	*	*	*	4.7	*	Manchester, 9 p.m.	51	40	bc	6.8	0.06
Brighton	*	*	*	5.3	*	Darwen, 9 p.m.	47	36	o	6.5	0.05

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

STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal)	68	52	o	bc	Algiers	66	48	bc	bc
Madrid	68	32	bc	o	Tunis	59	45	o	o
Corsica (I. Sanguinaires)	63	50	f	7	Vienna	52	43	o	o
Rome	62	51	bc	bc	St. Petersburg	32	0	8	bc
Florence	57	36	bc	bc	18. March -102				1 p.m.
Trieste	55	41	bc	bc	Lugano	57	—	bc	Measured 7 a.m.
Brindisi	56	48	c	c	Davos	37	—	bc	—
Naples	63	44	bc	bc	Lucerne	50	—	bc	—
Palermo	52	42	c	bc	Lausanne	45	—	bc	—

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.					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.	20. March 1902	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
British Isles, Belgium, Holland	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.	Yarmouth	5.58	12.1	6.3
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Greenwich	6.5	12.8	6.10
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick	6.18	12.20	6.21
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.	Valencia	6.46	12.49	6.51
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, 21<sup>st</sup> March, 1902.

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

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		BAROM.		TEMP.		WIND.	BAROMETER.		TEMPERATURE.				WIND.		Sea (0 to 9.)	Weather.	TEMP.		Sun- shine. Hours	Rainfall. Ins.	
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)	Max.			Min.				
																		Ins.			Ins.
SCANDINAVIA.	Haparanda ...	29.78	-8	ENE	4	3	29.79	+12	-14	-17	-8	NE	2	3c	*	3	7	-14	*	-	
	Hernösand ...	29.30	3	E	9	5	29.50	+0.6	-2	-3	-14	E	6	0	*	5	23	-2	*	0.28	
	Stockholm ...	29.22	38	Z	0	0	29.32	-0.3	23	22	-13	NNE	4	0	*	0	39	23	*	0.16	
	Wisby ...	29.28	40	S	6	0	29.31	-1.6	38	37	+2	S	2	7	*	0	45	32	*	-	
	Karlstad...	29.07	36	SW	4	3c	29.21	+0.2	35	35	+1	SE	2	7	*	7, 3c	*	*	*	0.08	
	Färder (X'ania Fjord)	29.01	36	SSW	5	m	29.15	+1.3	36	36	0	SSW	4	m	3	m	37	34	*	0.24	
	Bodö ...	29.32	11	E	9	3c	29.46	+2.1	10	9	-8	E	6	3	2	3c	18	7	*	-	
	Christiansund ...	28.78	39	SE	3	c	29.00	+2.0	36	32	-1	SE	4	c	4	c	45	36	*	-	
	Skudesnaes ...	28.90	39	S	6	7	29.01	+3.1	38	36	-2	S	6	3c	5	7	40	36	*	-	
	Sumburgh Head	28.55	36	WNW	1	m	28.68	+3.4	40	38	+2	SSW	4	7	4	c, 7	44	34	*	0.24	
BRITISH ISLANDS.	Stornoway ...	28.78	39	WNW	5	S	28.89	+1.6	39	33	+4	NNE	5	7	4	0, 9, S	43	33	2.3	0.35	
	Malin Head ...	28.97	40	W	7	7c, 2p	28.89	-1.0	38	37	-3	SW	6	c, 2p	6	c, 2p	43	36	*	0.38	
	Blacksod Pt. ...	29.18	41	WNW	6	3c, 2p	29.01	-2.2	44	42	+2	WNW	7	c, 2p	6	c, 2p	46	36	*	0.27	
	Valencia...	29.37	45	W	6	c, 2p	29.25	-1.8	43	39	-2	WSW	5	c, 2p	6	c, 2p	47	37	6.2	0.20	
	Roche's Point ...	29.34	45	NW	4	3c, 2p	29.22	-1.8	39	37	-6	W	4	3	4	3c, 2p	47	36	*	0.02	
	Parsonstown ...	29.24	42	W	4	3c, 2p	29.12	-1.7	37	35	-3	SW	3	c	*	3c, 2p	46	34	8.1	0.21	
	Donaghadee ...	29.08	42	WNW	4	3c	29.03	-0.9	35	34	-5	WSW	3	3	3	3c, 2p	48	32	*	0.05	
	Liverpool Obsy.	29.17	42	WSW	6	3	29.13	-0.6	39	36	-5	SW	2	3c	3	3c, 2p	48	36	*	-	
	Holyhead ...	29.19	42	W	4	3c	29.12	-1.2	39	38	-5	WSW	3	c, 2p	3	3c	47	38	*	0.02	
	Pembroke (St. Ann's)	29.30	44	WSW	7	3c	29.20	-1.6	43	40	-3	W	6	3c, 2p	6	3c, 2p	47	39	9	0.14	
GERMANY, &c.	Scilly (St. Mary's)...	29.45	48	WNW	6	c, 2p	29.32	-2.0	46	44	-3	WNW	5	c, 2p	5	c, 2p	52	44	3.2	0.11	
	Jersey (St. Aubins)...	29.53	48	WSW	6	0, 7m	29.42	-1.28	45	42	-4	SW	5	c, 2p	4	0, 7m, 3	54	44	3.8	0.16	
	Portland Bill ...	29.40	45	WSW	6	3c	29.33	-1.7	44	42	-1	W	5	3c	5	0, 9, 3c	48	42	*	0.08	
	Dungeness ...	29.37	45	WSW	6	c	29.36	-1.4	44	43	-3	SW	6	c	6	0, 7, c	48	42	*	0.06	
	Wick ...	28.68	38	W	3	c	28.73	+1.4	38	37	0	W	3	c, 2p	2	c	48	32	*	0.06	
	Nairn ...	28.80	39	W	2	c	28.83	+1.0	37	36	0	W	3	0	2	c, 2p	43	32	*	0.03	
	Aberdeen ...	28.84	40	WSW	3	3	28.88	+1.1	38	34	-4	SSW	3	3c	2	3c, 2	48	30	10.7	-	
	Leith ...	28.93	39	SW	3	3	28.95	+1.04	38	36	-2	SW	3	3m	*	7, 3p, 3	46	34	*	0.10	
	North Shields ...	29.02	43	WSW	3	3	29.01	-0.01	37	35	-6	SW	2	c	2	p, c, 3p, 3	49	35	*	-	
	Spurn Head ...	29.14	45	WSW	5	3c	29.16	-0.05	40	39	-5	S	4	3	3	3c, 2p	50	36	*	0.02	
FRANCE.	Yarmouth ...	29.23	46	WSW	5	c, 2p	29.27	-0.6	39	38	-7	SW	4	3	4	c, 2p	49	35	*	0.08	
	Loughborough ...	29.22	45	W	3	3	29.22	-0.05	38	36	-8	SW	3	3w	*	c, 2p, 3	52	36	*	0.04	
	Oxford ...	29.32	42	SW	4	3	29.28	-1.1	40	38	-6	SW	3	3	*	p, 3c, 2p	50	37	*	0.05	
	London (Brixton)	29.34	42	W	5	0, 9, p	29.32	-1.2	43	40	-3	SW	2	3	*	7, 2p, 3c, 2	50	37	0.4	0.20	
	The Scaw (Skagen)	29.12	40	WSW	3	m	29.19	+1.0	39	39	0	SW	3	m	1	m	45	37	*	0.12	
	Fanö ...	29.21	39	SSW	4	c	29.27	+0.2	38	38	-1	SSW	4	c	*	c	41	37	*	0.08	
	Cuxhaven ...	29.35	45	SW	6	0	29.37	-1.05	42	42	0	SW	5	3c	*	0	46	41	*	0.20	
	The Helder ...	29.31	43	SW	6	0	29.33	-1.05	43	42	0	SW	3	3c	3	0	46	41	*	0.08	
	Brussels...	*	*	*	*	*	29.47	-1.19	43	41	0	SSW	4	0	*	0	51	41	*	0.12	
	Berlin ...	29.52	55	SW	1	3	29.53	-1.1	52	47	+9	SSW	4	c	*	3	61	43	*	-	
SPAN. PEN.	Frankfurt ...	29.60	56	SW	6	3c	29.58	-2.0	53	48	+9	SW	6	3c	*	3c	63	44	*	-	
	Munich ...	29.80	45	SW	2	3	29.76	-1.6	43	40	+1	SE	2	c	*	3	59	39	*	-	
	C. Gris Nez ...	29.39	45	SW	7	m	29.40	-1.4	42	42	-6	WSW	5	0	5	7	52	41	*	0.16	
	Brest ...	29.63	46	W	4	0	29.45	-3.3	45	42	-3	W	3	c	4	0	50	43	*	0.08	
	Lorient ...	29.63	50	WSW	6	0	29.48	-3.3	45	44	-4	WSW	3	c	4	0	54	45	*	0.08	
	Rochefort ...	29.81	52	WSW	4	3c	29.61	-3.0	52	50	+3	SW	5	c	*	3c	57	48	*	-	
	Biarritz ...	29.89	55	NW	3	0	29.73	-2.6	50	49	-3	SE	2	c	2	0	61	48	*	-	
	Paris ...	29.63	55	SW	4	3c	29.53	-2.8	46	44	+4	SW	2	0	*	3c	59	42	*	-	
	Belfort ...	29.71	56	WSW	5	c	29.68	-2.2	46	44	+1	WSW	4	7	*	c	62	45	*	-	
	Lyons ...	29.87	53	SSW	3	c	29.75	-2.6	51	44	+5	SSW	5	0	*	c	63	35	*	2.36	
SPAN. PEN.	Nice ...	29.97	49	WSW	5	3	29.94	-1.1	47	42	+1	E	2	c	3	3	59	45	*	-	
	Perpignan ...	29.92	53	E	1	c	29.75	-2.6	44	44	-5	NW	1	3	*	c	62	41	*	-	
SPAN. PEN.	Corunna ...																				
	Lisbon ...	29.92	52	NW	4	3	29.91	-0.7	51	49	+1	WNW	3	c	*	3	59	50	*	0.08	
SPAN. PEN.	Azores (P. Delgada)	30.36	55	NE	4	c	30.32	0	55	50	0	NNE	2	c	2	c	61	54	*	-	

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

\* Observations for this column not generally received.

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



# WEATHER CHARTS



FOR Friday 21<sup>st</sup> March, 1902

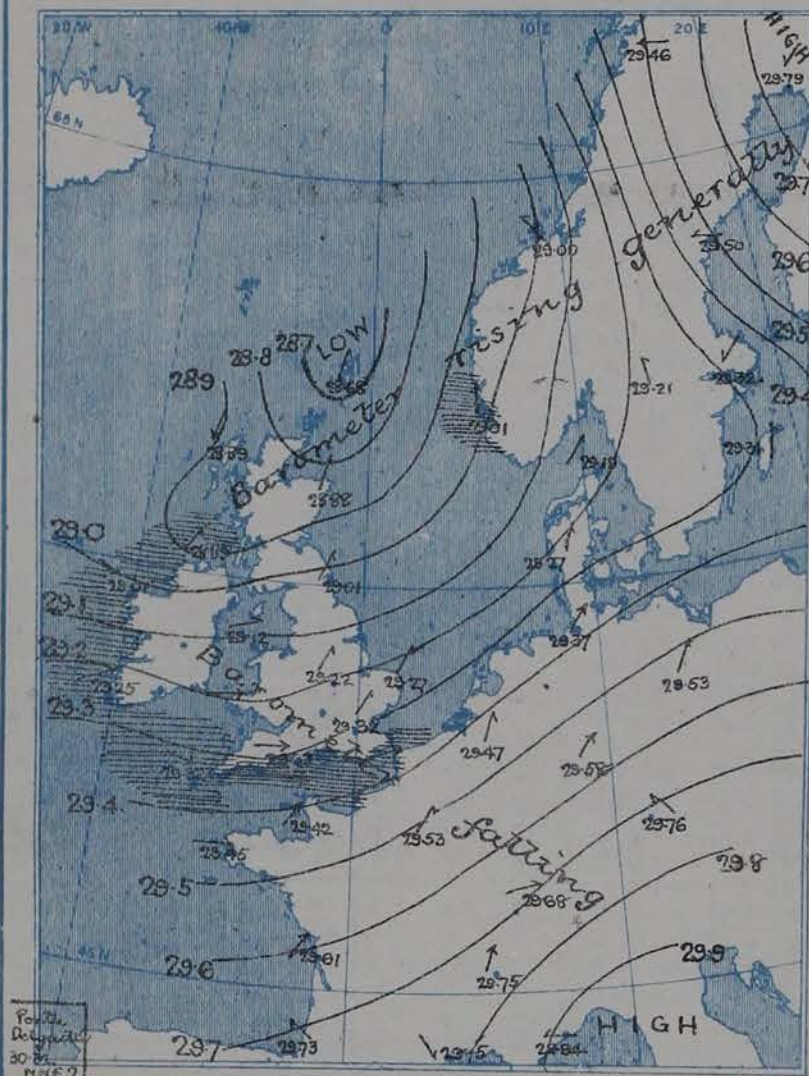
## I BAROMETER, WIND AND SEA. This Morning

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

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

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

SEA—Rough  : High 

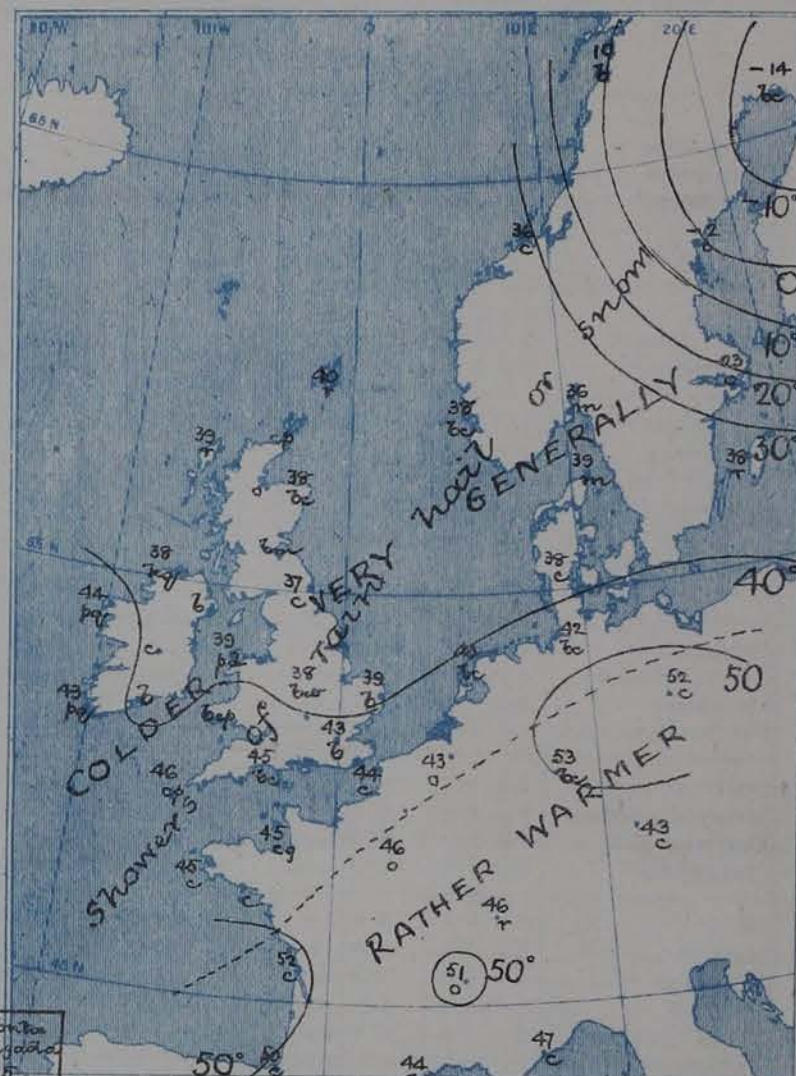


## II TEMPERATURE AND WEATHER. This Morning

TEMPERATURE.—Isotherms are drawn for each 10°.

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

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.8



## III BAROMETER AND WIND

Yesterday morning.



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

Specimen { RAINFALL 1.74  
(for Shields) { RAIN DAYS 15

Mullin Head & Black soder Belmullet Values are for only 15 Yrs



## V. Means of DAILY TEMPERATURE

at 8 A.M. for the monthly period

MARCH (1871-1900)





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

The barometer is still lowest in the neighbourhood of the Shetlands in the cyclonic disturbance noticed yesterday, but as the system has become much less deep the readings are now no lower than 28.7 ins. Pressure is highest, 29.9 ins. and upwards, over the southeast of France and the Gulf of Genoa, but is relatively high, 29.7 ins. and upwards, in the extreme northeast of Sweden. Owing to the presence of secondary low pressure systems which are passing over our Islands from the westward, the barometer continues to fall somewhat over Ireland, England and France, but a rise is in progress in Scotland and Scandinavia. Gradients are moderate to slight.

## WIND

## TEMPERATURE

## WEATHER

## AND

## SEA

The wind still circulates round the northern disturbance, but is rather irregular in the vicinity of the secondary systems. It is mainly W<sup>4</sup> in the west, S.W. over France, Germany, the eastern half of Great Britain and on the eastern shores of the North Sea, and draws into S.E. and E. over the northwest of Norway. It still blows strongly at some western stations and also at Dungeness. Temperature has risen over Germany and at some French stations, but fallen in all other regions. It is now about equal to the normal over our Islands as a whole, but a little below it in a few places. In the extreme south and west the readings are above 40°, the highest being 46° at Scilly, but in nearly all other localities they are below 40°, the lowest values being 35° at Newton Kerguel and Donaghadee. Very severe frost prevails over the more northern parts of Scandinavia; at Rodø the temperature is 15° above and at Haparanda 16° below zero. Over France and Germany the highest value is 53° at Frankfurt. The weather is fair or fine over the greater part of our area, but rain is falling at Karlstad and Belfort and showers of cold rain or hail prevail at many of our own western and northern stations. The sea is rough at Dungeness, and off our extreme southwestern and western coasts and rather so off the southwest of Norway.

The maximum temperatures recorded over our Islands yesterday were nearly all below 50°, but that figure was exceeded at some southern and southwestern stations. Showers of rain or hail were experienced throughout the British Isles and the north of France, and rain or snow in various parts of Scandinavia. Very little bright sunshine was registered in the south but considerable amounts at some western and northern stations, Aberdeen had as much as 10.7 hrs.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The northern disturbance will probably disperse slowly without materially changing its position, and secondary systems may be expected to advance over us from the Atlantic. Changeable showery weather is likely therefore to continue.

## FORECASTS \*

For the 24 hours ending at NOON on 22<sup>nd</sup> March, 1902

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	Wind varying between NW. and SW, changeable, cold rain or sleet showers in places.
1	SCOTLAND EAST	SW <sup>4</sup> or W <sup>4</sup> winds, light or moderate; changeable, some showers.
2	ENGLAND N.E.	
3	ENGLAND EAST	Light or moderate breezes, varying between S. and SW, changeable, some showers with bright intervals. Warm in daytime, cold at night.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	SW <sup>4</sup> or W <sup>4</sup> winds, light or moderate; changeable, showery.
7	ENGLAND N.W.	
8	ENGLAND S.W.	W <sup>4</sup> winds, moderate or fresh, backing late some showers with bright intervals.
9	IRELAND NORTH	
10	IRELAND SOUTH	
WARNINGS		No fresh warnings issued; the 'SOUTH CONE' is still flying in districts 0, 1, 2, 6, 7, 9, 10, and part of 8.

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

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



# ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.				THIS MORNING 8 A.M.							PAST 24 HOURS.			
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer. Ins. Change.	Temperature. Dry. Wet. Change.			Wind.	Weather.	Sea.	Weather.	Temperature. Max. Min.	Sun- shine. Hrs.	Rainfall Ins.
Clacton-on-Sea	"	"	"	"	"	"	"	"	"	z	"	c	47 40	0.5	0.25
Newton Reigny (Penrith)	29.06	38	WSW 3	bc	29.05 - 0.04	35	34	- 5	WSW 1	c	"	c, p, r, s	44 35	6.0	0.12
Bath	29.39	46	W 3	o	29.34 - 0.07	43	40	- 5	W 3	z	"	o	53 37	2.7	0.03

## 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.	46	35	c	5.5	0.27	Worthing	"	"	"	0.0	"
Birmingham, 9 p.m.	51	40	c	3.3	0.05	Llandudno	"	"	"	6.3	"
Lowestoft, 6 p.m.	50	40	c	1.2	0.11	Rhyl	"	"	"	7.5	"
Hastings	"	"	"	0.0	"	Southport, 9 p.m.	48	39	z, c, p, o, c	7.9	0.15
Eastbourne	"	"	"	0.1	"	Manchester, 9 p.m.	49	37	bc	4.3	0.04
Brighton	"	"	"	0.0	"	Darwen, 9 p.m.	44	33	o	3.0	0.23

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

STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal)	68	52	c	bc	Algiers	64	54	b	c
Madrid	64	41	o	o	Tunis	61	43	bc	bc
Corsica (I. Sanguinaires)	63	50	f	f	Vienna	59	36	b	m
Rome	59	40	b	b	St. Petersburg	25	0	s	s
Florence	51	43	b	b	19 March-102				Measured 7 a.m.
Trieste	? 48	27	b	f	Lugano	59	—	b	—
Brindisi	55	47	c	c	Davos	43	—	b	—
Naples	59	46	b	c	Lucerne	52	—	b	—
Palermo	63	44	c	b	Lausanne	52	—	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.	21. Mar., 1902	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
British Isles, Belgium, Holland	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.	Yarmouth	5.56	12.0	6.4
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Greenwich	6.3	12.7	6.11
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick	6.16	12.19	6.23
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.	Valencia	6.44	12.48	6.52
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.

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

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



# DAILY WEATHER REPORT

for 8 a.m. on *Saturday, 22<sup>nd</sup> March, 1902.*

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

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		BAROM.		TEMP.		WIND.	BAROMETER.		TEMPERATURE.				WIND.		Sea (0 to 9.)	Weather.	TEMP.		Sun- shine. Hours	Rainfall. Ins.	
		At 32° and M.S.L.	Dry Bulb.	Dirac.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dirac.	Force (0 to 12.)	Max.			Min.				
																		Ins.			Ins.
SCANDINAVIA.	Haparanda ...	29.77	- 2	NE	4	δ	29.94	+ .15	- 2	- 3	+ 12	E	4	δc	*	δ	30	-17	*	-	
	Hernösand ...	29.66	- 3	Z	0	S	29.67	+ .17	3	1	+ 5	Z	0	o	*	S	7	- 3	*	0.04	
	Stockholm ...	29.58	15	E	2	S	29.51	+ .19	20	19	- 3	NE	2	S	*	S	39	14	*	0.16	
	Wisby ...	29.53	36	S	2	δ	29.38	+ .07	36	35	- 2	E	2	f	*	δ	46	32	*	0.16	
	Karlstad ...	29.48	20	ENE	4	o	29.50	+ .29	13	13	- 22	ENE	4	S	*	o	*	*	*	0.12	
	Färder (N'ania Fjord) ...	29.33	36	S	4	o	29.38	+ .23	30	30	- 6	NE	4	S	2	o	37	30	*	-	
	Bodö ...	29.57	9	E	6	δ	29.61	+ .15	8	5	- 2	E	6	δ	2	δ	12	5	*	-	
	Christiansund ...	29.21	35	ENE	4	δc	29.34	+ .34	27	25	- 9	ENE	4	o	4	δ	41	27	*	-	
	Skudesnaes ...	29.16	36	S	6	o	29.21	+ .20	36	35	- 2	SSE	6	o	5	o	39	34	*	*	
	Sumburgh Head ...	28.83	40	SE	4	c	29.01	+ .33	39	38	- 1	ENE	4	o	6	o, c	42	36	*	0.22	
BRITISH ISLANDS.	Stornoway ...	28.99	39	NNW	7	T	29.08	+ .19	38	37	- 1	N	6	δ	6	T	43	35	2.6	0.23	
	Malin Head ...	29.10	41	NW	7	cgp	29.09	+ .20	39	38	+ 1	NW	7	cgp	6	c, cgp	44	36	*	0.16	
	Blacksod Pt. ...	29.28	43	NNW	7	cgp	29.28	+ .27	39	38	- 5	NNW	6	c, cgp	5	δcgp	47	35	*	0.31	
	Valencia ...	29.27	46	NNW	5	cp	29.40	+ .15	39	37	- 4	NNW	5	c, cgp	5	cgp	48	37	3.8	0.14	
	Roche's Point ...	29.19	45	NW	5	cp	29.35	+ .13	38	36	- 1	NW	4	δ	4	q, cp	47	36	*	0.04	
	Parsonstown ...	29.18	43	NNW	4	c	29.27	+ .15	33	32	- 4	W	2	c	*	cp	48	30	1.9	0.08	
	Donaghadee ...	29.07	42	WNW	3	c	29.14	+ .11	34	33	- 1	WNW	3	δ	2	c	44	31	*	-	
	Liverpool Obsy. ...	29.10	41	SW	5	o	29.21	+ .08	38	36	- 1	WSW	2	c	3	cp	45	35	*	0.07	
	Holyhead ...	29.08	44	SW	3	T, p, l, o	29.22	+ .10	40	38	+ 1	WNW	5	c	4	sp, l, sp	44	35	*	0.15	
	Pembroke (St. Ann's) ...	29.16	44	WSW	6	c	29.29	+ .09	40	36	- 3	NW	5	δc	5	δcp	46	36	9.1	0.11	
GERMANY, &c.	Scilly (St. Mary's) ...	29.26	47	W	5	δcp	29.36	+ .04	45	42	- 1	NNW	5	c	5	δ, δc	49	41	10.0	0.05	
	Jersey (St. Aubins) ...	29.37	48	WSW	6	c	29.32	+ .10	42	40	- 3	S	3	Tm	3	δ, c, δ	51	40	8.0	0.12	
	Portland Bill ...	29.29	44	WSW	4	δ	29.29	+ .04	41	40	- 3	NW	3	cp	3	δc	48	41	*	0.10	
	Dungeness ...	29.31	45	WSW	5	δc	29.33	+ .03	44	43	0	SW	5	c	5	δc, δ, p	48	42	*	0.02	
	Wick ...	28.78	38	WNW	6	c	28.87	+ .14	40	38	+ 2	NE	2	o	2	cp	45	34	*	0.32	
	Nairn ...	28.91	40	NW	3	c	28.94	+ .11	37	36	0	NW	5	Ts	3	cg	43	34	*	0.23	
	Aberdeen ...	28.92	41	WSW	3	δc	28.98	+ .10	42	38	+ 4	SSW	2	δc	1	rs, o, δc	46	35	4.9	0.25	
	Leith ...	28.99	41	SW	2	o	29.03	+ .08	39	36	+ 1	SW	3	c	*	c	48	34	*	0.02	
	North Shields ...	29.06	44	SW	2	δc	29.11	+ .10	35	34	- 2	SW	2	m	2	δ, o, δc	47	32	*	-	
	Spurn Head ...	29.16	42	SSW	4	δc	29.19	+ .03	38	38	- 2	SSW	4	δc	3	p, δc	47	36	*	0.02	
FRANCE.	Yarmouth ...	29.23	43	WSW	3	cp	29.26	+ .01	41	39	+ 2	SSW	4	δ	3	δ, cp	48	35	*	0.03	
	Loughborough ...	29.18	42	SW	2	c	29.22	0	37	37	- 1	W	2	δcw	*	rs, o, δc	48	35	*	0.12	
	Oxford ...	29.26	41	SW	3	δ	29.27	+ .01	39	37	- 1	SW	2	o	*	δc, p	49	35	*	-	
	London (Brixton) ...	29.27	40	SW	3	δc	29.29	+ .03	44	41	+ 1	SW	3	δc	*	cp, δ, δ	51	36	4.7	0.12	
	The Scaw (Skagen) ...	29.36	39	SW	1	δc	29.34	+ .15	39	39	0	S	2	o	0	δc	45	37	*	0.04	
	Fanö ...	29.35	40	S	2	c	29.35	+ .08	39	38	+ 1	SSW	2	o	*	c	43	37	*	-	
	Cuxhaven ...	29.39	45	S	3	o	29.40	+ .03	40	40	- 2	S	2	o	*	o	48	39	*	-	
	The Helder ...	29.31	42	SW	3	δ	29.34	+ .01	42	41	- 1	SW	2	δ	1	δ	46	36	*	-	
	Brussels ...	*	*	*	*	*	29.45	+ .02	41	39	- 2	SSW	5	δ	*	T	47	37	*	0.04	
	Berlin ...	29.51	50	WSW	2	δ	29.47	+ .06	48	46	- 4	S	2	c	*	T	61	43	*	0.12	
SPAN. PEN.	Frankfurt ...	29.52	50	SW	4	T	29.52	+ .06	45	43	- 8	SSW	3	o	*	T	55	45	*	0.24	
	Munich ...	29.62	48	Z	0	δc	29.51	+ .25	44	40	+ 1	NW	3	c	*	δc	61	41	*	-	
	C. Gris Nez ...	29.35	46	WSW	4	δ	29.35	+ .05	41	40	- 1	SW	4	δc	4	δ	52	41	*	0.08	
	Brest ...	29.40	47	W	4	c	29.31	+ .14	43	41	- 2	SW	4	c	4	c	50	41	*	0.16	
	Lorient ...	29.45	47	W	4	c	29.33	+ .15	44	42	- 1	NW	5	o	4	c	54	41	*	0.08	
	Rochefort ...	29.56	49	WNW	5	T	29.54	+ .07	47	44	- 5	SW	5	c	*	T	52	41	*	-	
	Biarritz ...	29.71	49	W	5	T	29.68	+ .05	47	42	- 3	SW	4	δc	5	T	55	45	*	0.32	
	Paris ...	29.44	47	SSW	2	o	29.50	+ .03	38	37	- 8	SSW	2	δ	*	o	48	36	*	0.12	
	Belfort ...	29.48	52	WSW	4	o	29.60	+ .08	33	33	- 13	WSW	1	f	*	o	57	32	*	0.39	
	Lyons ...	29.56	54	S	4	c	29.67	+ .08	38	38	- 13	SSE	1	T	*	c	59	37	*	0.71	
SPAN. PEN.	Nice ...	29.83	50	E	1	c	29.67	+ .27	51	51	+ 4	SW	4	o	4	o	57	43	*	0.47	
	Perpignan ...	29.54	59	S	4	o	29.63	+ .12	48	45	+ 4	NW	1	o	*	o	73	44	*	0.04	
SPAN. PEN.	Corunna ...																				
	Lisbon ...																				
SPAN. PEN.	Azores (P. Delgada) ...	30.31	56	N	3	o	30.29	+ .03	55	49	0	NE	2	o	1	o	61	54	*	-	

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

\* Observations for this column not generally received.

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



# WEATHER CHARTS

FOR *Saturday 22<sup>nd</sup> March, 1902*

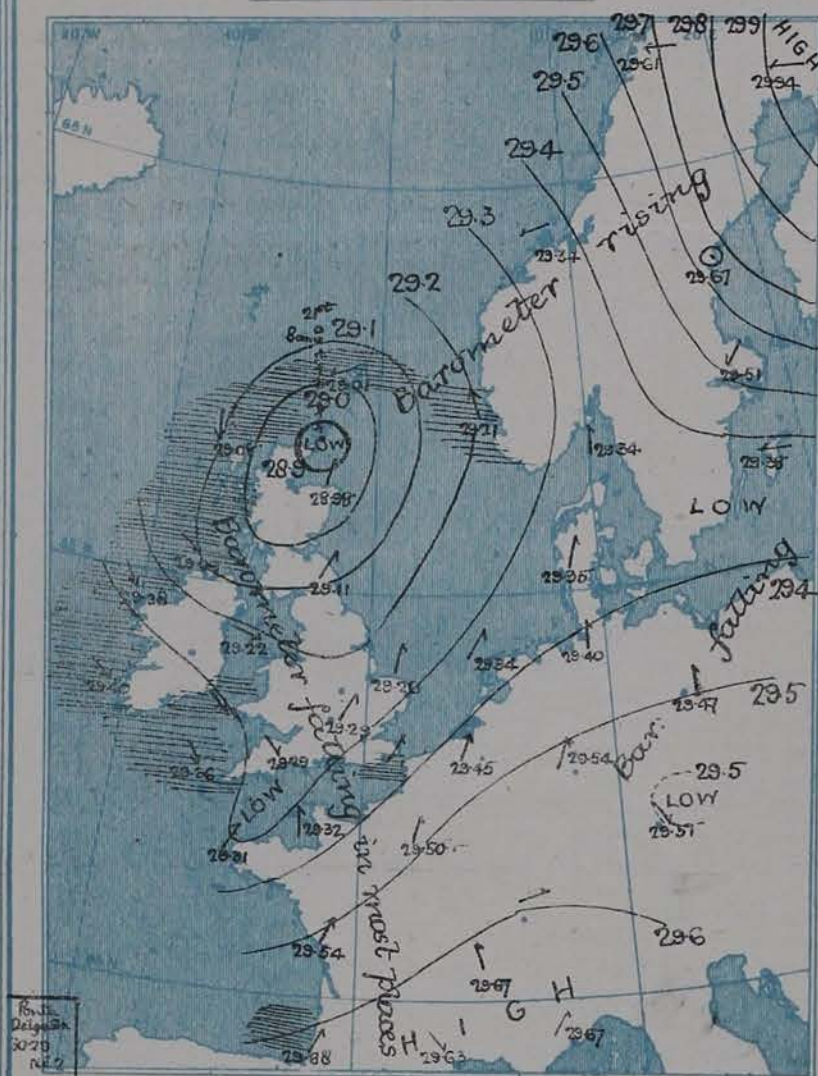
## I. BAROMETER, WIND AND SEA. *This Morning.*

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

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

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

**SEA.**—Rough : High



## II. TEMPERATURE AND WEATHER. *This Morning.*

**TEMPERATURE.**—Isotherms are drawn for each 10°.

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

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



## III. BAROMETER AND WIND

*Yesterday morning.*



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

Specimen { RAINFALL 1.74  
(for Shields) { RAIN DAYS 15

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



## V. Means of DAILY TEMPERATURE

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

*MARCH APRIL (1871-1900.)*





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

Barometric pressure continues lowest in the cyclonic disturbance recently noticed near the Shetlands. Since yesterday it has moved a little to the southward and become less deep and the barometer at its centre, which is now near Wick, stands at about 28.85 ins. The highest pressure, 29.9 ins. and upwards, is found over Lapland. Secondary disturbances are passing over the more southern parts of the United Kingdom, and the barometer is changing very irregularly. Gradients are moderate to slight.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind circulates round the primary low pressure system and its secondaries — being NE<sup>ly</sup> or N<sup>ly</sup> in the Shetlands and Hebrides, mainly NW<sup>ly</sup> over Ireland and the west of England SW<sup>ly</sup> over France and the eastern parts of Great Britain and S<sup>ly</sup> on the eastern shores of the North Sea. It is light or moderate in force generally, but blows freshly or strongly at many western stations and also in the southwest of Norway. Temperature is rather below the normal over our Islands as a whole, it is a little above 40° at most of our southern stations and at Aberdeen but below it elsewhere — at Shields the reading is 35° and at Parsonstown 33°. Over the continental portion of our area the readings range from 51° at Nice and 48° at Berlin to 38° at Paris and Lyons and to 33° at Belfort; and from 39° in Denmark to 20° at Stockholm, 8° at Bodø and to -2° at Haparanda. The weather is in a very unsettled condition generally, with showers of hail or sleet at our northern and northwestern stations and of rain over England. Rain is also falling at Lyons and snow over the south of Sweden. The sea is rough or rather so in the north and at many western stations as well as at Dungeness and Larnett.

Rain fell yesterday in almost all parts of our area but the quantity was generally rather small; in many northern localities hail and sleet were experienced. Thunder was heard in London and at Darwen. The highest temperatures recorded in our Islands were 51° in London and at Jersey but at Perpignan the maximum was as high as 73°. A considerable amount of bright sunshine was registered over the Kingdom generally, but very little at some extreme northern and western stations.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are no indications of any immediate change in the conditions now prevailing. Secondary disturbances are still likely to appear in the west and north-west and pass on an E<sup>ly</sup> or NE<sup>ly</sup> direction across the Kingdom. The primary disturbance may be expected to decrease slowly in energy.

## FORECASTS\*

For the 24 hours ending at NOON on 23<sup>rd</sup> March, 1902

### DISTRICTS.

### FORECASTS.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	NW <sup>ly</sup> and N <sup>ly</sup> breezes, cold. Rain or sleet showers.
1	SCOTLAND EAST	N <sup>ly</sup> to NW <sup>ly</sup> breezes, changeable, rain or sleet showers. Cold.
2	ENGLAND N.E.	
3	ENGLAND EAST	Wind varying between SW and W, or NW, gusty, showers with bright intervals.
4	MIDLAND COUNTIES	Rather cold.
5	ENGLAND SOUTH	

6	SCOTLAND WEST	Same as No. 0.
7	ENGLAND N.W.	Same as No. 1.
8	ENGLAND S.W.	N <sup>ly</sup> and NW <sup>ly</sup> breezes, moderate or fresh; changeable, showery. Rather cold.
9	IRELAND NORTH	Same as No. 0.
10	IRELAND SOUTH	NW <sup>ly</sup> and W <sup>ly</sup> winds of varying force; cold, changeable, showery.

### WARNINGS

NONE ISSUED.

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

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



# ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.				THIS MORNING 8 A.M.							PAST 24 HOURS.			
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer. Ins. Change.	Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature. Max. Min.	Sun- shine. Hrs.	Rainfall Ins.
Clacton-on-Sea	.	.	.	.	.	.	.	.	.	3	.	3c, 3	50 39	7.8	0.02
Newton Reigny (Penrith)	29.06	38	S 2	3c	29.14 + .09	37	35	+ 2	W.S.W. 3	c	.	3c, 7s	45 30	6.8	0.01
Bath	29.31	42	SW 3	0	29.29 - .05	40	38	- 3	SW 1	0	.	0	52 37	5.5	0.18

## 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.	46	34	c	8.7	0.21	Worthing	.	.	.	7.5	.
Birmingham, 9 p.m.	47	34	3	3.6	0.14	Llandudno	.	.	.	.	.
Lowestoft, 6 p.m.	49	36	c	8.3	0.04	Rhyl	.	.	.	4.3	.
Hastings	.	.	.	5.9	.	Southport, 9 p.m.	47	36	c, 7s, c, 0	2.9	0.18
Eastbourne	.	.	.	6.0	.	Manchester, 9 p.m.	47	36	0 u	3.5	0.05
Brighton	*	*	*	7.0	*	Darwen, 9 p.m.	44	32	0	3.3	0.24

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

STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal)	66	48	b c	Ins.	Algiers	70	55	c 0	0.12
Madrid	64	43	0 bc	—	Tunis	70	45	c bc	—
Corsica (I. Sanguinaires)	61	48	f 3	—	Vienna	64	36	b b	—
Rome	61	39	fb 3	—	St. Petersburg	34	18	s 7	—
Florence	61	38	b b	—	20 March				Measured 7 a.m.
Trieste	59	46	b b	—	Lugano	59	—	b	—
Brindisi	59	46	b b	—	Davos	45	—	b	—
Naples	57	48	b b	—	Lucerne	55	—	b	—
Palermo	64	40	b b	—	Lausanne	54	—	b	—

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

22. March 1902	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
Yarmouth	h. m. 5.54	h. m. 12.0	h. m. 6.6
Greenwich	6.1	12.7	6.13
Wick	6.13	12.19	6.25
Valencia	6.42	12.48	6.54

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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 Sunday 23<sup>rd</sup> March 1902  
 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 82° and M.S.L.	Dry Bulb.	Dires.	Force (0 to 12.)	At 82° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dires.	Force (0 to 12.)	Max.	Min.									
Ins.	Ins.	°	°	Ins.	Ins.	°	°	Ins.	Ins.	°	°	Hours	Ins.								
SCANDINAVIA.	Haparanda ...	29.85	-13	E	2	S	29.84	-10	6	5	+8	NE	2	S	*	S	10	?	*	0.08	
	Hernösand ...	29.68	7	E	2	S	29.78	+11	10	9	+7	Z	0	0	*	S	10	2	*	0.12	
	Stockholm ...	29.68	21	Z	0	0	29.79	+28	23	22	+3	E	2	S	*	0	27	14	*	0.04	
	Wisby ...	29.60	32	E	2	f	29.75	+37	32	31	+4	E	4	f	*	f	48	32	*	0.04	
	Karlstad ...	29.62	21	NE	2	0	29.73	+23	23	22	+10	ENE	2	0	*	0.5	*	*	*	0.20	
	Færder (X'ania Fjord)	29.50	26	NE	4	0	29.63	+25	31	30	+1	NE	3	m	2	0	31	25	*	0.16	
	Bodö ...	29.65	12	E	6	bc	29.69	+08	12	9	+4	E	6	b	2	bc	14	5	*	—	
	Christiansund ...	29.48	26	ENE	2	0	29.56	+22	?	?	?	E	3	c	4	0	28	25	*	—	
BRITISH ISLANDS.	Skudesnaes ...	29.34	39	SSE	4	0	29.41	+20	37	37	+1	SSE	6	c	4	0	41	?	*	*	
	Sumburgh Head ...	29.17	38	NE	5	+	29.31	+30	33	33	-6	NE	4	S	6	c,r	42	32	*	0.33	
	Stornoway ...	29.24	41	ENE	8	+	29.43	+35	34	33	-4	N	8	0	8	0,r	46	32	2.9	0.19	
	Malin Head ...	29.20	43	NNW	6	bcq/p	29.41	+32	40	38	+1	N	6	bcq/p	5	bcq/p	44	38	*	0.10	
	Blacksod Pt. ...	29.33	43	NNW	5	bcq/h/p	29.56	+28	41	38	+2	NNW	5	bcq/p	5	bcq/h/p	45	38	*	0.41	
	Valencia ...	29.45	44	NW	5	bcq/h/p	29.61	+21	40	37	+1	N	4	cq/p/h		q/p,b,c,h	46	36	1.8	0.61	
	Roche's Point ...	29.34	45	NW	6	bcq/p	29.54	+19	42	40	+4	NNW	4	bc	4	0,bcq/p	45	37	*	0.03	
	Parsonstown ...	29.30	41	W	3	c	29.52	+25	37	36	+4	W	3	c	*	cp	43	32	1.0	0.08	
GERMANY, &c.	Donaghadee ...	29.20	40	WNW	2	bc/p	29.35	+21	41	40	+7	NW	4	cp,q	3	bc/p	45	32	*	0.10	
	Liverpool Obsy. ...	29.27	41	WSW	2	b	29.36	+15	40	38	+2	SW	2	bc	2	b,p	46	32	*	0.06	
	Holyhead ...	29.25	41	SW	3	bc	29.39	+17	42	40	+2	NW	6	ch/p	4	cp,h,bc	45	38	*	0.04	
	Pembroke (St. Ann's) ...	29.29	43	W	5	bc	29.41	+12	41	39	+1	NNW	4	bc	4	bc,h/p	44	38	6.3	0.06	
	Scilly (St. Mary's) ...	29.38	44	WNW	6	c	29.45	+09	44	41	-1	NW	4	cp	4	cp,c	48	40	8.1	0.18	
	Jersey (St. Aubins) ...	29.44	46	W	4	cg	29.50	+18	44	40	+2	WNW	4	bc/p	3	p,c,cg	49	40	5.4	0.10	
	Portland Bill ...	29.39	44	WSW	3	bc	29.45	+16	41	40	0	WNW	3	bc	3	bc	46	40	*	0.02	
	Dungeness ...	29.36	44	WSW	4	b	29.46	+13	42	41	-2	WSW	4	cp	4	c,b	48	39	*	0.03	
FRANCE.	Wick ...	29.18	40	NE	4	c	29.30	+33	38	37	-2	NNE	6	ou	4	c	44	35	*	0.20	
	Nairn ...	29.10	40	NW	2	c	29.32	+38	38	37	+1	NNE	4	0	4	c	41	35	*	0.10	
	Aberdeen ...	29.06	41	S	2	bc	29.26	+28	36	35	-6	NW	2	ogr	2	rs,bc	47	34	4.7	0.14	
	Leith ...	29.10	42	SW	2	c	29.29	+26	40	37	+1	WNW	1	c	*	c	50	35	*	0.15	
	North Shields ...	29.19	44	SW	3	b	29.28	+17	38	37	+3	WSW	2	b	2	c,b,p	48	34	*	0.01	
	Spurn Head ...	29.24	45	SSW	3	c	29.37	+18	38	36	0	S	4	b	3	c	49	33	*	—	
	Yarmouth ...	29.31	42	SSE	4	hq	29.42	+16	39	37	-2	SSW	4	b	3	h,c,r,q	46	33	*	0.06	
	Loughborough ...	29.29	43	SSW	1	c	29.39	+17	33	33	-4	SE	1	b	*	bc,b	48	30	*	—	
SPAN. PEN.	Oxford ...	29.38	39	WSW	2	b	29.44	+17	37	35	-2	S	1	b	*	b	49	32	*	—	
	London (Brixton) ...	29.35	43	WSW	2	bp	29.44	+15	41	39	-3	W	1	c	*	op,bp	47	34	1.6	0.21	
	The Scaw (Skagen) ...	29.50	39	SSW	1	m	29.60	+26	36	36	-3	SSE	2	+	0	m	45	36	*	0.12	
	Fanö ...	29.49	37	SE	2	b	29.52	+17	36	35	-3	SE	3	b	*	b	43	36	*	—	
	Cuxhaven ...	29.50	48	Z	0	b	29.55	+16	39	38	-1	S	2	b	*	b	50	37	*	—	
	The Helder ...	29.43	43	S	1	+	29.47	+13	40	39	-2	S	1	c	0	+	48	36	*	0.12	
	Brussels ...	*	*	*	*	*	29.52	+07	40	39	-1	SSE	1	c	*	c	52	37	*	0.04	
	Berlin ...	29.58	50	W	3	0	29.60	+13	45	44	-3	SSE	1	+	*	0	54	45	*	—	
SPAN. PEN.	Frankfurt ...	29.60	45	SW	2	0	29.55	+03	41	41	-4	W	1	+	*	0	50	41	*	0.04	
	Munich ...	29.63	43	SE	2	0	29.45	-06	39	39	-5	Z	0	0	*	0	52	37	*	—	
	C. Gris Nez ...	29.37	44	WSW	4	0	29.47	+12	40	38	-1	W	3	0	3	0	50	37	*	0.04	
	Brest ...	29.52	47	W	2	c	29.54	+23	44	42	+1	NW	2	c	3	c	48	41	*	0.04	
	Lorient ...	29.50	44	NW	4	c	29.57	+24	43	41	-1	WNW	4	c	5	c	55	39	*	—	
	Rochefort ...	29.53	49	WSW	4	c	29.63	+09	45	43	-2	SW	3	c	*	c	52	39	*	0.20	
	Biarritz ...	29.65	51	WNW	2	b	29.74	+06	46	42	-1	WNW	5	b,t	0	b	54	39	*	0.63	
	Paris ...	29.47	48	SSW	3	bc	29.54	+04	41	40	+3	NW	1	0	*	bc	53	40	*	0.04	
SPAN. PEN.	Belfort ...	29.59	41	ENE	2	0	29.54	-06	37	37	+4	SW	2	0	*	0	52	?	*	0.16	
	Lyons ...	29.62	43	SE	1	+	29.64	-03	40	38	+2	S	1	bc	*	+	46	37	*	0.04	
	Nice ...	29.58	48	S	1	0	29.53	-14	46	44	+5	SW	2	c	4	0	54	41	*	0.43	
	Perpignan ...	29.62	46	SW	2	0	29.66	+03	43	41	-5	W	2	0	*	0	51	37	*	0.20	
SPAN. PEN.	Corunna ...	29.64	50	W	6	bc	29.81		47	?		NW	6	0	7	bc	52	41	*	0.35	
	Lisbon ...	29.96	50	WNW	4	b	30.02	+13	50	46	0	W	2	bc	*	b	55	40	*	0.04	
	Azores (P. Delgada) ...	30.29	55	N	3	0	30.26	-03	53	50	-2	W	2	c	1	0	59	52	*	—	

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

\* Observations for this column not generally received.

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



# WEATHER CHARTS

FOR *Sunday, 23<sup>rd</sup> March, 1902*

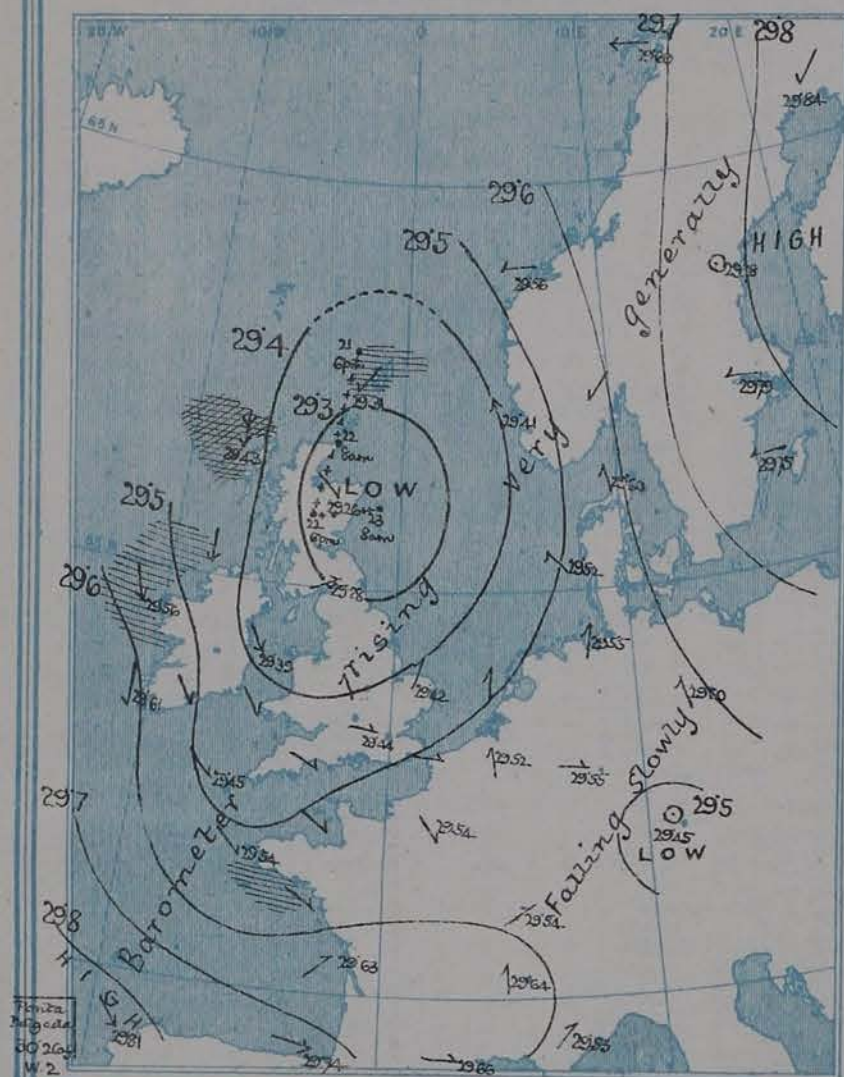
## I. BAROMETER, WIND AND SEA. *This Morning.*

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

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

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

SEA.—Rough ≡ : High ≡

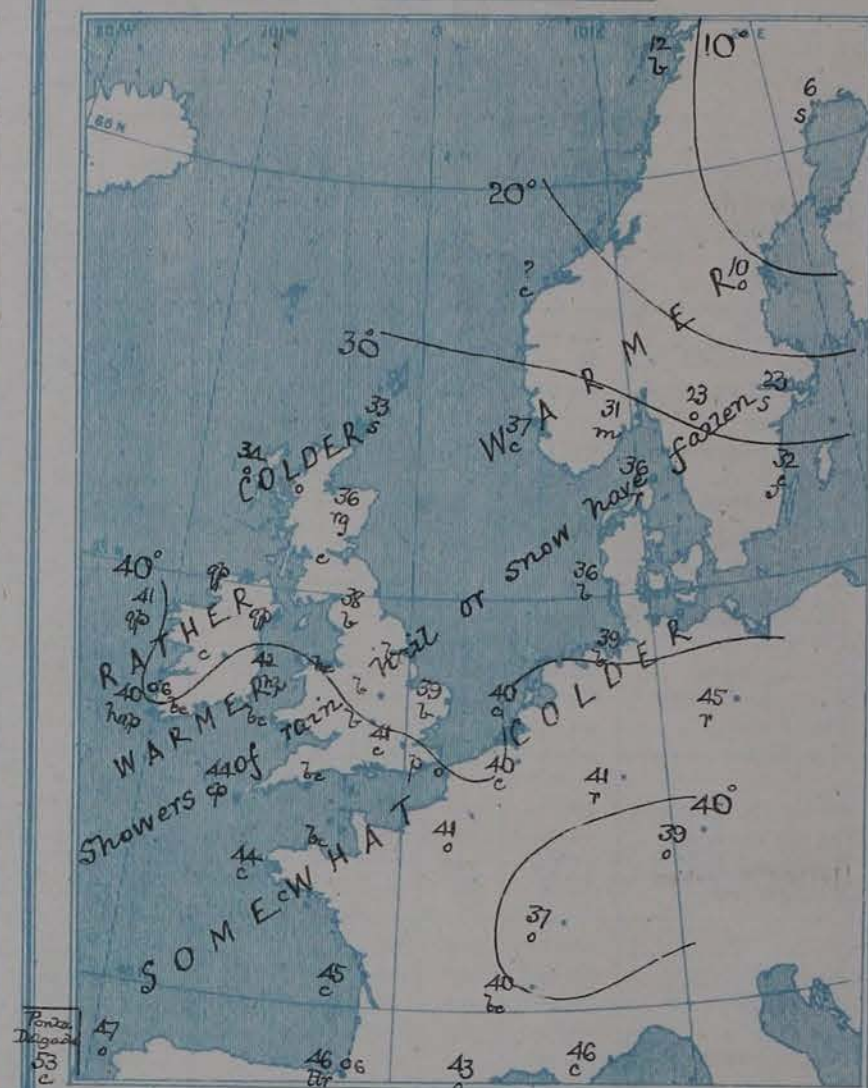


## II. TEMPERATURE AND WEATHER. *This Morning.*

TEMPERATURE.—Isotherms are drawn for each 10°.

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

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



## III. BAROMETER AND WIND

*Yesterday morning.*



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

Specimen { RAINFALL 1.74  
(for Shields) { RAIN DAYS 15

*White Head & Black s.d. & Belmullet Values are for only 15 Yrs*



## V. Means of DAILY TEMPERATURE

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

*MARCH APRIL (1871-1900.)*





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The cyclonic disturbance recently noticed off our northern coasts travelled slowly southwards during yesterday but is now moving eastwards, its central area with readings below 29.5 being found over the east of Scotland and the neighbouring parts of the North Sea. The system continues however to grow shallow and the barometer is rising over western Europe generally. The highest pressures, 30.0 ins. and upwards are reported over the south of Portugal but the barometer is somewhat high, 29.8 ins. and upwards in the north of Sweden.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is N<sup>W</sup> or NW<sup>W</sup> in the north and west of our Islands and the west of France, strong in force in many places with a gale at Stornoway. In the south of England it is W<sup>W</sup>, over our eastern counties and the Netherlands S<sup>W</sup> and in Denmark SE<sup>W</sup>, while in Scandinavia it draws into the eastward. Temperature has fallen over England, the Netherlands, Denmark, Germany and also in the north of Scotland but risen elsewhere. The thermometer is below the normal over western Europe generally, the readings being below 45° at many of our own northern and central stations and as low as 33° at Sumburgh Head and Loughborough. Sharp frost prevails in Sweden, the lowest readings reported being 6° at Haparanda and 10° at Hernösand. The weather is fine over England and France and the Netherlands but cloudy elsewhere with showers at many of our western stations and steady rain at Aberdeen, and in some parts of Denmark and Germany. Snow is falling at Sumburgh Head and at Stockholm. The sea is high at Stornoway and rough on our extreme northern and northwestern coasts generally, but moderate or slight elsewhere.

During yesterday the thermometer remained below 45° at several of our own western and extreme northern stations but exceeded that point elsewhere and reached 50° at Leith. The amount of bright sunshine was large in many parts of England, as much as 12 hours at Harrogate. Rain fell in nearly all parts of our Islands - heavily in the west of Ireland.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

## FORECASTS \*

For the 24 hours ending at NOON on 24<sup>th</sup> March, 1902

### DISTRICTS.

### FORECASTS.

### DISTRICTS.

### FORECASTS.

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

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

### WARNINGS

At 7.10 pm. yesterday to parts of districts 0 and 1, "HOIST NORTH CONE"

*Note.*—The South Cone, point downwards (  $\nabla$  ), 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 (  $\nabla$  ), 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	49	35	7.7	-
Newton Reigny (Penrith)												*					
Bath .. ..												*				5.4	

Clacton-on-Sea  
Newton Reigny (Penrith)  
Bath

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.	STATIONS.	TEMPERATURE.		Weather.	Sunshine. Hrs.	Rainfall. Ins.
	Max.	Min.					Max.	Min.			

Harrrogate, 6 p.m.  
Birmingham, 9 p.m.  
Lowestoft, 6 p.m.  
Hastings  
Eastbourne  
Brighton

Worthing  
Llandudno  
Rhyl  
Southport, 9 p.m.  
Manchester, 9 p.m.  
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. F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		

Madeira (Funchal)  
Madrid  
Corsica (I. Sanguinaires)  
Rome  
Florence  
Trieste  
Brindisi  
Naples  
Palermo

Algiers  
Tunis  
Vienna  
St. Petersburg  
21 March -/02  
Lugano  
Davos  
Lucerne  
Lausanne

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.
--	--	--------------------------------------	--	--------------------------------------

British Isles, Belgium,  
Holland  
Germany, Denmark,  
Norway, Sweden  
France  
Spain  
Portugal

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

23 March, 1902	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
----------------	-------------------	----------------	------------------

Yarmouth  
Greenwich  
Wick  
Valencia

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



# DAILY WEATHER REPORT

for 8 a.m. on Monday 24<sup>th</sup> March

1902

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

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		Barom.	Temp.	Wind.			Barometer.		Temperature.			Wind.					Temp.				
At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather.	At 53° 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 ...	30.00	10	E	4	0	30.18	+34	5	4	-1	NE	2	c	*	0	18	1	*	0.04	
	Hernösand ...	29.93	16	Z	0	0	29.87	+09	23	22	+13	E	4	s	*	0	23	7	*	-	
	Stockholm ...	29.84	27	ENE	2	0	29.52	-27	33	33	+10	E	6	+	*	0	34	21	*	0.08	
	Wisby ...	29.71	33	E	6	0	29.47	-28	42	40	+10	S	4	bc	*	0	45	28	*	-	
	Karlstad...	29.81	32	ENE	2	0	29.45	-28	30	29	+7	NE	2	+	*	0.5	*	*	0.35		
	Färder (X'iania Fjord)	29.69	36	ESE	4	0	29.47	-16	31	31	0	N	6	s	3	0	36	30	*	-	
	Bodö ...	29.89	12	E	2	b	29.80	+11	20	17	+8	ESE	3	c	3	b	20	9	*	-	
	Christiansund ...	29.60	32	E	4	c	29.50	-06	38	34	?	SE	2	c	3	c	38	27	*	-	
Skudesnaes ...	29.53	38	SSE	4	+	29.46	+05	37	36	0	S	4	m	3	+	43	36	*	*		
BRITISH ISLANDS.	Sumburgh Head	29.37	35	N	4	0	29.31	-00	35	33	+2	N	2	0	4	7.0	36	33	*	0.02	
	Stornoway ...	29.52	38	NE	8	s	29.38	-05	27	26	-7	WNW	3	b	3	0.5	43	25	6.8	-	
	Malin Head ...	29.50	40	NW	5	bc	29.27	-14	34	33	-6	SE	5	0	2	bc, p	42	32	*	0.03	
	Blacksod Pt. ...	29.63	42	NW	3	bc	28.97	-59	35	35	-6	SE	8	sgm	6	bc	45	34	*	0.55	
	Valencia...	29.70	43	WNW	3	bc	29.15	-46	49	46	+9	SW	6	cp	6	cp, bc	49	37	6.9	0.36	
	Roche's Point ...	29.64	45	N	5	b	29.22	-32	44	43	+2	SSW	6	+	5	b	48	35	*	0.23	
	Parsonstown ...	29.63	41	N	3	bc	29.13	-39	35	34	-2	SE	6	oapq	*	bc	47	31	9.2	0.06	
	Donaghadee ...	29.49	43	NNW	2	bc	29.37	+02	35	35	-6	SW	2	0	2	bc	45	29	*	-	
Liverpool Obsy.	29.50	41	W	3	bc	29.45	+09	39	36	-1	S	1	0	3	bc	45	33	*	-		
Holyhead ...	29.53	42	NW	3	bc	29.41	+02	41	38	-1	S	3	ou	2	bc	46	37	*	-		
Pembroke (St. Ann's)	29.57	44	NW	4	bc	29.43	+02	43	39	+2	SW	7	ogq, pu	6	bc	46	39	8.1	0.01		
GERMANY, &c.	Scilly (St. Mary's)...	29.62	46	NNW	5	cp	29.54	+09	45	44	+1	SW	6	+	4	bc, cp	49	41	8.8	0.04	
	Jersey (St. Aubins)...	29.59	49	WNW	3	bc	29.71	+21	44	40	0	SSW	3	omp	3	bc, p, bc	50	35	8.9	0.03	
	Portland Bill ...	29.54	45	W	3	bc	29.63	+18	43	42	+2	SW	3	c	3	c, bc	48	41	*	-	
	Dungeness ...	29.52	45	WSW	3	bc	29.64	+18	42	40	0	WNW	1	bc	1	bc	49	38	*	-	
	Wick ...	29.44	37	N	2	c	29.36	+06	32	31	-6	WNW	1	bc	2	c	39	28	*	0.03	
	Nairn ...	29.46	36	NNE	4	s	29.40	+08	32	30	-6	W	1	b	1	s	43	27	*	0.02	
	Aberdeen ...	29.40	37	NW	4	oap	29.40	+14	35	32	-1	W	2	bc	1	o, ap	42	29	1.3	0.03	
	Leith ...	29.38	43	NNW	1	c	29.39	+10	34	32	-6	Z	0	bm	*	hp, c, hp	46	29	*	0.02	
North Shields ...	29.43	42	N	2	bc	29.44	+16	35	34	-3	SW	1	f	2	bc	46	32	*	-		
FRANCE.	Spurn Head ...	29.44	44	W	2	c	29.52	+15	37	36	-1	WSW	4	bc	3	c	49	34	*	-	
	Yarmouth ...	29.46	43	S	3	cp	29.54	+12	35	34	-4	WSW	3	b	3	bc, cp	45	31	*	0.05	
	Loughborough ...	29.49	45	W	3	bc	29.55	+16	35	34	+2	ESE	2	cm	*	bc, c, bm	51	30	*	-	
	Oxford ...	29.56	42	W	2	bc	29.59	+15	37	35	0	SSE	1	om	*	bc	51	31	*	-	
	London (Brixton)	29.51	46	WNW	2	bc	29.62	+18	39	36	-2	NNW	2	b	*	c, bc, bw	51	31	5.0	-	
	The Scaw (Skagén)	29.63	40	SE	1	m	29.42	-18	32	32	-4	NE	3	s	1	m	41	32	*	0.12	
	Fanö ...	29.55	41	ESE	2	0	29.53	+01	37	37	+1	SW	2	m	*	0	45	36	*	0.16	
	Cuxhaven ...	?	43	Z	0	0	29.60	+08	38	37	-1	SW	2	f	*	0	45	37	*	0.16	
SPAN. PEN.	The Helder ...	29.54	41	SW	1	b	29.57	+10	35	34	-5	SSW	1	c	0	b	48	30	*	-	
	Brussels ...	*	*	*	*	*	29.68	+16	40	38	0	SW	2	b	*	b	48	34	*	-	
	Berlin ...	29.39	48	SSW	2	+	29.65	+05	42	40	-3	WSW	2	0	*	+	50	39	*	0.12	
	Frankfurt ...	29.61	43	SW	2	c	29.73	+18	37	36	-4	SW	2	b	*	c	46	36	*	0.08	
	Munich ...	29.65	37	SW	4	0	29.74	+29	37	35	-2	W	4	0	*	0	43	34	*	0.04	
	C. Gris Nez ...	29.52	44	WSW	3	b	29.61	+14	?	?	+14	W	2	b	2	b	52	39	*	-	
	Brest ...	29.80	43	NW	1	c	29.73	+19	43	42	-1	WSW	3	c	3	c	48	41	*	0.04	
	Lorient ...	29.63	45	WNW	4	bc	29.79	+32	43	41	0	WNW	3	bc	4	c	55	41	*	-	
Rochefort ...	29.71	47	W	4	bc	29.84	+21	46	43	+1	NW	4	c	*	bc	52	41	*	0.08		
Biarritz ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
SPAN. PEN.	Paris ...	29.61	43	W	1	0	29.75	+21	36	36	-5	SSW	2	b	*	0	54	?	*	0.12	
	Belfort ...	29.67	40	SW	2	0	29.78	+24	36	33	-1	WSW	3	0	*	0	48	33	*	0.20	
	Lyons ...	29.73	42	NE	1	bc	29.85	+21	42	39	+2	ENE	1	bc	*	bc	54	35	*	0.08	
	Nice ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
	Perpignan ...	29.75	49	NW	3	0	29.89	+23	45	40	+2	W	3	b	*	0	55	40	*	-	
SPAN. PEN.	Corunna ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
	Lisbon ...	30.15	48	NW	3	b	30.24	+22	51	47	+1	NW	2	b	*	b	55	46	*	-	
SPAN. PEN.	Azores (P. Delgada)	30.30	55	NNE	1	0	30.28	+02	54	51	+1	W	1	0	2	0	61	53	*	-	

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

\* Observations for this column not generally received.

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



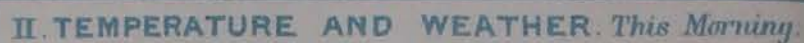
FOR Monday, 24<sup>th</sup> March, 1902

*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  $\rightarrow$  : } Calm ☉  
Force 8 to 10  $\rightarrow \rightarrow$  :      Force 1 to 4  $\rightarrow$  :

SEA.—Rough  : High



TEMPERATURE.—Isotherms are drawn for each 10°.

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

RAINFALL.— { A dotted line separates areas where rain has fallen from those  
without rain. The fall in past 24 hours when exceeding half  
an inch is shown thus—0.5

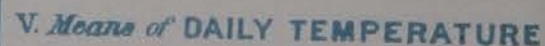


Yesterday morning.



Specimen	{	RAINFALL	1.74
(for Shields)		RAIN DAYS	15

*Malin Head & Black sod Belmullet Values are for only 15 Yrs*



at 8 A.M. for the Five monthly period

MARCH APRIL (1871-1900.)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The cyclonic system recently noticed in the north has almost entirely disappeared, but a new disturbance of considerable depth is approaching the west of Ireland, the barometer in that region having already fallen below 29.0 in. The mercury is falling briskly on all our western coasts and to a less extent in Denmark and Scandinavia, but is rising elsewhere. Pressure is highest, 30.1 in. and upwards, in the north of Sweden, but is somewhat high, 29.8 in. and upwards, in the south of France.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The advancing disturbance is occasioning strong S.W. winds and rain on our south-west coasts and strong S.E. winds and snow over the northern and central parts of Ireland. Over all the more northern and eastern parts of Great Britain and also over France and the Netherlands the wind is at present light from the westward or south-westward and the weather fine, though foggy or foggy in places. Light S.W. breezes and dull weather are reported over Denmark and Germany, but in Scandinavia the wind is chiefly E. with rain in the south of Sweden and snow at Haparanda and Gaarder, as well as at the Polar. Temperature has fallen in most parts of the United Kingdom and also in Germany and Central France and is now low over western Europe generally. In all the more northern, eastern and central parts of our islands the morning readings are below 40° and at several of our northern stations slight frost prevails, the lowest readings reported being 27° at Stornoway and 31° at Newton Reigny (Pennine). Frost is also prevalent in Scandinavia, the thermometers at Haparanda being as low as 5°. The sea is rough on our extreme west and south-west coasts, but slight or smooth elsewhere. Showers fell yesterday in many parts of the United Kingdom. The amount of bright sunshine was large - more than 8 hours being recorded in many places and more than 9 hours at Rhyll and Parnassus. Frost occurred last night over the greater part of our islands.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The disturbance off the west of Ireland is likely to move in an easterly or east-south-easterly direction and will probably occasion gales on many parts of our western and southern coasts. Rain is probable in all our more southern districts, and some snow in the north.

## FORECASTS \*

For the 24 hours ending at NOON on 25<sup>th</sup> March. 1902

DISTRICTS.		FORECASTS.	
0	{ SCOTLAND NORTH	{ Wind backing to the SE <sup>w</sup> and freshening; fair at first, unsettled later, some snow.	
1	{ SCOTLAND EAST		
2	{ ENGLAND N.E.	{ S <sup>t</sup> to SE <sup>3</sup> winds, freshening; fair at first, some rain later.	
3	{ ENGLAND EAST		
4	{ MIDLAND COUNTIES	{ S <sup>t</sup> winds, increasing considerably in force; fair at first, then squally and rainy.	
5	{ ENGLAND SOUTH		

DISTRICTS.		FORECASTS.	
6	{ SCOTLAND WEST	Same as Nos. 0 & 1.	
7	{ ENGLAND N.W.	SE <sup>3</sup> winds, increasing to a gale; squally, rainy.	
8	{ ENGLAND S.W.	SW <sup>t</sup> to W <sup>t</sup> winds, increasing to a gale; squally, rainy.	
9	{ IRELAND NORTH	SE <sup>3</sup> to E <sup>3</sup> gales or strong winds; squally, some snow.	
10	{ IRELAND SOUTH	Same as No. 8.	
WARNINGS		At 2.45am today to districts 7 to 10, and part of 5. "Hoist South Cone". The North Cone is still	

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.				THIS MORNING 8 A.M.							PAST 24 HOURS.					
	H. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine.	Rainfall
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.	Hrs.	Ins.
Clacton-on Sea	*	*	*	*	*	*	*	*	*	*	b	*	bc, b	47	32	7.7	-
Newton Reigny (Penrith)	29.42	38	W 4	c	29.44		31	30		SE 2	bc	*	cph, o	46	26	4.5	0.01
Bath	29.53	44	W 3	c	29.57		35	33		NW 1	m	*	c	49	27	4.5	-

## 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.	47	31	c	6.0	0.10	Worthing	*	*	*	5.9	*
Birmingham, 9 p.m.	49	31	b	4.6	-	Llandudno	*	*	*	8.8	*
Lowestoft, 6 p.m.	*	*	*	6.6	*	Rhyl	*	*	*	9.3	*
Hastings	*	*	*	8.8	*	Southport, 9 p.m.	37	32	bc	9.0	0.03
Eastbourne	*	*	*	6.1	*	Manchester, 9 p.m.	48	32	bc	4.4	0.09
Brighton	*	*	*	*	*	Darwen, 9 p.m.	44	20	b	6.2	0.13

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

STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.
	Max. °	Min. °				Max. °	Min. °		
Madeira (Funchal)	<i>Information</i>		<i>not rec'd</i>	Ins.	Algiers	<i>Information not rec'd</i>			Ins.
Madrid ... ..					Tunis...				
Corsica (I. Sanguinaires) ...					Vienna ... ..				
Rome ... ..					St. Petersburg...				
Florence ... ..					22. March -/02	1 p.m.			Measured 7 a.m.
Trieste ... ..					Lugano ... ..	45	—	r	0.91
Brindisi... ..					Davos ... ..	39	—	r	0.24
Naples ... ..					Lucerne ... ..	45	—	r	—
Palermo ... ..					Lausanne ... ..	36	—	s	0.55

## 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 Time.	Corresponding Greenwich Times.	24. III., 1902	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
British Isles, Belgium, Holland	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.	Yarmouth	h. m. 5.50	h. m. 12.0	h. m. 6.10
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Greenwich	5.57	12.7	6.17
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick	6.7	12.19	6.30
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.	Valencia	6.38	12.48	6.58
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 Tuesday 25<sup>th</sup> March 1902  
 Issued by the Meteorological Office, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather.	Barometer.		Temperature.			Wind.		Sea (0 to 9.)	Weather.	Temp.		Sun- shine. Hours	Rainfall. Ins.		
At 32° and M.S.L.	Dry Bulb.	Dirac.	Force (0 to 12.)	At 32° Fabr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dirac.	Force (0 to 12.)	Max.	Min.									
Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.								
SCANDINAVIA.	Haparanda ...	29.93	19	NE	6	S	29.78	-4.0	22	22	+17	ESE	4	S	*	5	22	1	*	0.39	
	Hernösand ...	29.58	27	Z	0	0	29.69	-1.8	24	23	+1	Z	0	0	*	0	27	16	*	0.24	
	Stockholm ...	29.72	35	S	2	0	29.64	+1.2	32	31	-1	NNW	2	S	*	0	39	28	*	-	
	Wisby ...	29.63	36	S	2	c	29.57	+1.0	32	32	-10	N	4	S	*	c	46	32	*	0.20	
	Karlstad ...	29.63	32	SW	2	0	29.69	+2.4	27	26	-3	NE	2	0	*	0	*	*	*	0.12	
	Färder (X'ania Fjord)	29.62	34	S	2	0	29.65	+1.8	33	33	+2	E	2	0	2	0	34	31	*	0.16	
	Bodö ...	29.68	25	S	4	bc	29.60	-2.0	28	26	+8	S	4	0	2	bc	28	19	*	-	
	Christiansund ...	29.36	39	WSW	2	c	29.54	+0.4	37	33	-1	E	2	b	3	c	43	36	*	-	
	Skudesnaes ...	29.70	37	S	4	bc	29.55	+0.9	37	36	0	ESE	4	0	3	0, bc	37	36	*	*	
	Sumburgh Head	29.20	35	N	1	0	29.42	+1.1	36	33	+1	WNW	1	b	4	r, o	40	32	*	0.30	
BRITISH ISLANDS.	Stornoway ...	29.31	39	E	2	b	29.49	+1.1	34	32	+7	W	3	S	3	bc, b	45	26	9.2	-	
	Malin Head ...	29.18	37	E	5	rq	29.59	+3.2	40	36	+6	NNW	6	bc, bp	5	rq	40	34	*	0.25	
	Blacksod Pt. ...	29.28	41	N	5	opm	29.71	+7.4	42	37	+7	WNW	4	bc, bp	4	cp, opm	49	35	*	0.18	
	Valencia ...	29.40	47	W	7	cq	29.83	+6.8	43	36	-6	NW	4	c	5	bc, cq	49	40	6.2	0.08	
	Roche's Point ...	29.23	47	NW	7	bc, bp	29.79	+5.7	40	38	-4	NW	3	b	4	cp, bc, bp	50	37	*	0.08	
	Parsonstown ...	29.13	40	W	8	0	29.74	+6.1	37	34	+2	W	3	b	*	r, rs, o	48	34	1.4	0.25	
	Donaghadee ...	29.01	38	SE	6	rs, gu	29.61	+2.4	37	35	+2	NW	3	c	3	rs, gu	41	34	*	0.43	
	Liverpool Obsy.	28.95	39	ESE	3	r	29.55	+1.0	39	35	0	WNW	6	b	5	o, t	41	36	*	0.16	
	Holyhead ...	28.88	44	SW	1	rgm	29.62	+2.1	40	36	-1	NW	7	bc	6	cr, gm, rg	45	36	*	0.35	
	Pembroke (St. Ann's)	29.06	45	W	8	0	29.69	+2.6	41	37	-2	NW	6	bc, q	6	0	47	38	3.0	0.38	
GERMANY, &c.	Scilly (St. Mary's)...	29.32	49	WNW	9	c	29.74	+2.0	45	43	0	NW	6	c	5	cp, c	52	42	2.9	0.16	
	Jersey (St. Aubins)...	29.34	47	WNW	6	cr, m	29.73	+0.2	47	42	+3	WNW	6	bc, m	5	o, cr, m	47	42	0.0	0.20	
	Portland Bill ...	29.23	47	W	7	cq	29.59	-0.4	42	40	-1	WNW	8	bc	6	r, q, cq	47	40	*	0.25	
	Dungeness ...	29.36	43	SSW	6	t	29.36	-2.8	43	42	+1	NW	7	0	7	o, t, qp	49	40	*	0.16	
	Wick ...	29.29	34	Z	0	bc	29.48	+1.2	32	30	0	W	1	b	0	bc	44	25	*	-	
	Nairn ...	29.27	37	E	1	bc	29.50	+1.0	32	30	0	W	1	b	1	bc	43	24	*	-	
	Aberdeen ...	29.28	37	SE	2	bc	29.49	+0.9	36	33	+1	NW	3	b	2	bc	42	31	9.0	-	
	Leith ...	29.18	38	SE	3	t	29.52	+1.3	37	33	+3	WNW	1	bc, m	*	t	46	32	*	0.03	
	North Shields ...	29.15	38	ESE	5	t	29.40	-0.4	38	37	+3	N	4	0	4	o, t	46	34	*	0.33	
	Spurn Head ...	29.13	38	S	9	r	29.24	-2.8	40	40	+3	NW	8	r, q	5	t	48	37	*	0.15	
FRANCE.	Yarmouth ...	29.32	43	S	6	rg, q	29.16	-3.8	40	39	+5	WNW	5	cq	5	c, rg, q	45	32	*	0.21	
	Loughborough ...	29.10	39	S	6	c	29.43	-1.2	39	37	+4	NW	6	cq	*	q, r, cq, bp	44	35	*	0.39	
	Oxford ...	29.09	45	S	6	0	29.52	-0.7	41	36	+4	W	5	oq	*	oq	45	37	*	0.22	
	London (Brixton) ...	29.23	39	S	7	rq	29.45	-1.7	42	38	+3	WNW	7	0	*	oq, p, m, r, q	47	38	2.0	0.15	
	The Scaw (Skagen) ...	29.61	39	WSW	2	c	29.60	+1.8	35	35	+3	SE	2	f	0	c	41	32	*	0.08	
	Fanö ...	29.60	36	ESE	2	b	29.40	-1.3	38	37	+1	ESE	5	bc	*	b	41	36	*	-	
	Cuxhaven ...	29.66	42	SE	1	b	29.33	-2.7	38	37	0	SSE	5	t	*	b	46	36	*	-	
	The Helder ...	29.49	42	SSE	1	m	29.10	-4.7	41	40	+6	SSE	1	t	1	m	48	34	*	0.16	
	Brussels ...	*	*	*	*	*	29.26	-4.2	40	39	0	WSW	5	t	*	0	50	37	*	0.32	
	Berlin ...	29.73	43	WNW	1	b	29.60	-0.5	36	35	-6	SE	2	b	*	b	48	32	*	-	
SPAN. PEN.	Frankfurt ...	29.75	42	SW	2	b	29.44	-2.9	41	39	+4	S	4	c	*	b	52	37	*	0.04	
	Munich ...	29.84	38	W	5	b	29.64	-1.0	35	32	-2	SE	3	0	*	b	46	28	*	0.04	
	C. Gris Nez ...	29.43	43	SW	6	t	29.32	-2.9	42	39	?	WNW	7	0	7	t	54	41	*	0.24	
	Brest ...	29.52	49	WNW	5	f	29.83	+1.0	46	46	+3	WNW	4	c	4	f	50	43	*	0.24	
	Lorient ...	29.55	50	W	6	t	29.80	+0.1	46	46	+3	NW	5	bc	5	t	50	43	*	0.43	
	Rochefort ...	29.78	49	W	5	t	29.86	+0.2	50	47	+4	WNW	5	0	*	t	52	41	*	0.59	
	Biarritz ...	30.04	50	WSW	5	t	30.12		51	50		WSW	6	t	5	t	52	41	*	0.32	
	Paris ...	29.65	47	S	4	0	29.56	-1.9	43	40	+7	W	4	0	*	0	51	36	*	0.08	
	Belfort ...	29.80	40	Z	0	c	29.58	-2.0	40	39	+4	WSW	6	t	*	c	47	36	*	0.04	
	Lyons ...	29.92	43	SW	1	bc	29.77	-0.8	41	40	-1	S	1	t	*	bc	54	39	*	0.12	
Nice ...	29.73	50	SE	2	bc	29.82		43	37		SE	3	c	3	bc	57	41	*	-		
Perpignan ...	29.98	51	NW	3	b	30.00	+1.1	50	44	+5	NW	3	0	*	b	59	44	*	-		
SPAN. PEN.	Corunna ...																				
	Lisbon ...	30.32	51	NNW	4	b	30.32	+0.8	53	49	+2	NNE	4	b	*	b	57	48	*	-	
SPAN. PEN.	Azores (P. Delgada)	30.33	57	S	4	c	30.30	+0.2	58	54	+4	S	4	c	2	c	63	54	*	-	

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

\* Observations for this column not generally received.

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



# WEATHER CHARTS

FOR *Tuesday, 25<sup>th</sup> March, 1902*

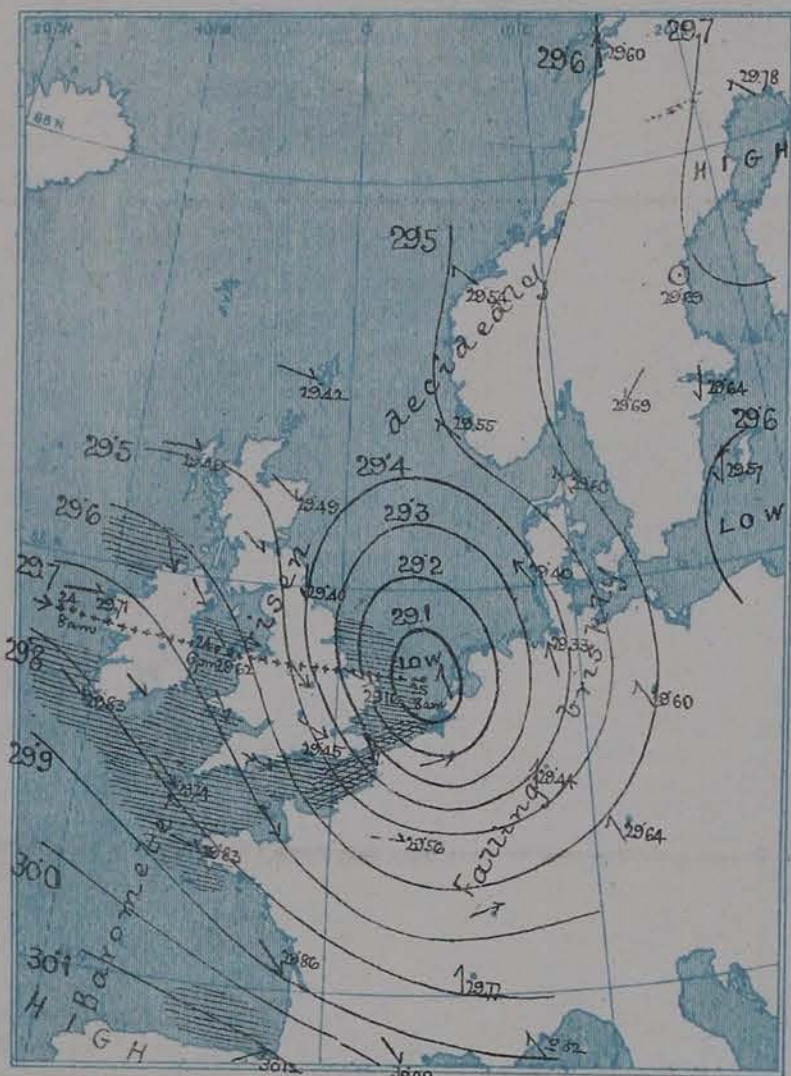
## I. BAROMETER, WIND AND SEA. This Morning.

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

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

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

SEA.—Rough ≡ : High ≡



## II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

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

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



## III. BAROMETER AND WIND

*Yesterday morning.*



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

Specimen { RAINFALL 1.74  
(for Shields) { RAIN DAYS 15

*Mean Head & Black socket Belmullet Values are for only 15 Yrs.*



## V. Means of DAILY TEMPERATURE

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

*MARCH APRIL (1871-1900.)*





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The deep cyclonic system which lay yesterday morning off the west of Ireland has since travelled eastwards across the United Kingdom, its centre being now found near the Dutch coast. The minimum readings of the barometer, 29.10 in. and less, are however, about two tenths of an inch higher than those of last evening, when the centre lay near Holyhead, so that the disturbance is apparently beginning to fill up. The mercury is now rising in all parts of the United Kingdom and France, but is falling briskly in Denmark and Germany. The highest readings, 30.1 in. and upwards, are still reported in the south of France.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind has shifted to the North-westward over nearly the whole of our islands and the north and west of France, and blows very strongly on the English and Welsh coasts, with a gale at Lundy Head and Portland Bill. Over Belgium and Central France the wind is W. or S.W. and in Germany and Denmark S.E. while in Scandinavia it is chiefly E. Temperature has risen in most places, but is still rather low for the time of year. Over the northern and central parts of the United Kingdom the morning readings are below 40°, the lowest reported being 32° at Wick, Nairn and Newton Rigg. In the Channel Islands and the west of France the readings are above 45°, while in the south of France they are slightly above 50°. The weather is at present fine over the greater part of our islands, but is showery on our extreme north-west coasts, with hail at Malin Head and snow at Stromness. At the Continental station the weather is dull, with rain in many parts of France, Germany and the Netherlands and with snow in Sweden. The sea is high in the Straits of Dover and rough or rather so on all but our northern coasts.

Snow fell yesterday in the northern parts of Ireland and England and rain in nearly all other parts of Western Europe. The amount of bright sunshine was large on our north and north-east coasts, but small elsewhere; at some of our south-western stations there was none. Sharp frost occurred last night in the north of Scotland, the sheltered thermometer falling to a minimum of 24° at Nairn and 25° at Wick.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer appears to be rising steadily in the west, but the wind in Ireland has moderated quickly and is backing to the Westward. Further disturbances are likely to appear shortly off our west or north-west coasts and the present improvement in the weather is therefore in all probability merely temporary.

## FORECASTS \*

For the 24 hours ending at NOON on 26<sup>th</sup> March, 1902

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 { SCOTLAND NORTH	W <sup>ly</sup> to SW <sup>ly</sup> winds; fine at first, rain or sleet later.	6 { SCOTLAND WEST	Same as Nos 0+1.
1 { SCOTLAND EAST		7 { ENGLAND N.W.	W <sup>ly</sup> to SW <sup>ly</sup> winds, strong; fair at first, some rain later.
2 { ENGLAND N.E.	NW <sup>ly</sup> winds, strong, to W <sup>ly</sup> moderate; fair at first, some showers later.	8 { ENGLAND S.W.	NW <sup>ly</sup> to W <sup>ly</sup> winds, strong; fair at first, showery later.
3 { ENGLAND EAST		9 { IRELAND NORTH	Same as No. 7.
4 { MIDLAND COUNTIES		10 { IRELAND SOUTH	
5 { ENGLAND SOUTH			

### WARNINGS

At 8.10pm yesterday to district 6 and part of 0. Hoist North Cone. The Signals are still up in districts 2, 3 and 5 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.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.	Hrs.	
Clacton-on Sea	*	*	*	*	*	*	*	*	*	*	0	*	b, o	47	38	6.4	0.09
Newton Reigny (Penrith)	29.05	34	ESE 5	S	29.52	+0.8	32	31	+1	NW 3	c	*	cp, q, s	39	30	1.6	0.36
Bath	29.19	41	W 2	0	29.65	+0.8	43	37	+8	SW 3	bc	*	o	45	? 35	0.0	0.35

## 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	30	c, o	3.0	0.22	Worthing ... ..	*	*	*	2.8	*
Birmingham, 9 p.m. ... ..	42	31	o	0.0	0.26	Llandudno ... ..	*	*	*	1.2	*
Lowestoft, 6 p.m. ... ..	48	31	o	7.3	—	Rhyl ... ..	*	*	*	1.3	*
Hastings ... ..	*	*	*	4.9	*	Southport, 9 p.m. ...	42	33	c, o, r	0.7	0.21
Eastbourne ... ..	*	*	*	4.3	*	Manchester, 9 p.m. ...	*	*	*	*	*
Brighton ... ..	*	*	*	3.3	*	Darwen, 9 p.m. ...	39	30	d	0.0	0.53

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

STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal) ... ..	63	48	o	0	Algiers ... ..	63	46	c	bc
Madrid ... ..	61	41	c	6	Tunis ... ..	70	46	c	o
Corsica (I. Sanguinaires) ...	59	46	f	f	Vienna ... ..	63	39	o	r
Rome ... ..	59	42	o	0	St. Petersburg ... ..	39	18	o	o
Florence ... ..	58	41	r	0	25. March -02				
Trieste ... ..	63	45	o	0	Lugano ... ..	1 p.m.	Not	4 p.m.	Rec
Brindisi ... ..	63	49	r	6	Davos ... ..	—	—	—	—
Naples ... ..	60	50	o	0	Lucerne ... ..	—	—	—	—
Palermo ... ..	71	44	c	c	Lausanne ... ..	—	—	—	—

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

25. III. 1902	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
	h. m.	h. m.	h. m.
Yarmouth ... ..	5.48	11.59	6.11
Greenwich ... ..	5.54	12. 6	6.18
Wick ... ..	6. 4	12.18	6.33
Valencia ... ..	6.35	12.47	6.59

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

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

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

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

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

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



# DAILY WEATHER REPORT

for 8 a.m. on Wednesday 26<sup>th</sup> March 1902

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.	Rainfall.			
At 32° and M.S.L.	Dry Bulb.	Dirac.	Force (0 to 12.)	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dirac.	Force (0 to 12.)	Weather.	Max.	Min.	Hours	Ins.							
Ins.	Ins.	°	°	Ins.	Ins.	°	°	Ins.	Ins.	°	°	Ins.	Ins.	Hours	Ins.							
SCANDINAVIA.	Haparanda ...	29.40	24	E	4	0	29.60	-18	24	22	+2	E	2	S	*	0	32	18	*	0.12		
	Hernösand ...	29.58	27	Z	0	C	29.50	-19	39	29	+5	N	2	S	*	C	30	19	*	0.12		
	Stockholm ...	29.56	28	Z	0	S	29.56	-08	31	30	-1	SW	2	0	*	S	32	27	*	0.67		
	Wisby ...	29.59	33	NW	4	0	29.62	+05	32	30	0	ESE	2	0	*	0	43	27	*	0.36		
	Karlstad... ..	29.63	33	Z	0	C	29.63	-06	22	22	-5	WNW	2	0	*	C	*	*	*	-		
	Färder (X'iania Fjord)	29.65	34	ENE	1	0	29.63	-02	27	27	-6	NNE	2	0	1	0	34	27	*	-		
	Bodö ...	29.67	32	E	4	0	29.67	+07	30	27	+2	ESE	2	0	1	0	32	27	*	-		
	Christiansund ...	29.62	37	E	2	0	29.62	+08	33	30	-4	E	2	0	3	0	43	30	*	-		
	Skudesnaes ...	29.61	40	SE	2	0	29.62	+07	25	34	-2	S	2	0	2	0	43	34	*	*		
BRITISH ISLANDS.	Sumburgh Head	29.51	39	W	2	C	29.54	+12	36	33	0	W	1	0	3	C	46	32	*	0.06		
	Stornoway ...	29.58	36	W	4	bcsp	29.59	+10	35	33	+1	WSW	3	0	3	bc, bc, sp	43	27	6.2	0.12		
	Malin Head ...	29.71	37	SW	4	bc, hp	29.72	+13	39	36	-1	WNW	7	0	4	bc, hp	43	34	*	0.18		
	Blacksod Pt. ...	29.80	43	NNW	4	*	29.87	+16	41	39	-1	WNW	4	0	4	bc	45	36	*	0.17		
	Valencia... ..	29.93	45	WSW	3	C	30.01	+18	44	41	+1	S	1	0	4	bc	47	40	6.3	0.03		
	Roche's Point ...	29.90	46	NNW	2	0	30.02	+23	41	39	+1	W	2	0	2	bc, 0	49	37	*	-		
	Parsonstown ...	29.85	41	W	2	bc	29.96	+22	36	35	-1	SW	1	0	*	bc, 0	49	32	9.2	0.04		
	Donaghadee ...	29.76	43	NW	4	bc, hp	29.85	+24	35	34	-2	NW	4	0	3	bc, hp	46	32	*	0.08		
	Liverpool Obsy.	29.78	41	W	4	0	29.90	+35	39	36	0	W	6	0	4	bc	44	38	*	-		
GERMANY, &c.	Holyhead ...	29.80	43	NNW	4	C	29.91	+29	41	39	+1	W	6	0	4	bc	45	38	*	0.02		
	Pembroke (St. Ann's)	29.85	44	W	4	0	29.99	+30	44	40	+3	NW	6	0	5	bc	46	37	8.3	0.01		
	Scilly (St. Mary's)...	29.91	46	NNW	4	C	30.20	+36	46	43	+1	W	4	C	4	C	51	42	3.2	-		
	Jersey (St. Aubins)...	29.91	48	W	5	C	30.12	+39	43	38	-4	NNW	3	cm	3	cg	51	36	7.6	-		
	Portland Bill ...	29.84	45	NNW	3	C	30.02	+43	43	41	+1	NNW	4	bc	4	C	47	41	*	-		
	Dungeness ...	29.76	46	SSW	5	C	29.97	+61	44	42	+1	W	4	C	4	C	50	32	*	-		
	Wick ...	29.56	38	NW	1	bc	29.60	+12	34	33	+2	SSW	1	C	0	bc	46	28	*	-		
	Nairn ...	29.60	36	NW	3	C	29.65	+15	35	32	+3	W	1	0	1	C	46	28	*	0.01		
	Aberdeen ...	29.61	41	W	1	bc	29.68	+19	36	31	0	NNW	3	0	1	bc	44	29	9.5	-		
FRANCE.	Leith ...	29.63	40	W	3	0	29.72	+20	36	34	-1	WSW	3	cm	*	0	50	31	*	-		
	North Shields ...	29.65	43	NNW	3	C	29.77	+37	37	35	-1	W	2	0	3	bc	45	34	*	-		
	Spurn Head ...	29.69	41	NNW	4	bc	29.83	+59	39	38	-1	W	5	bc	4	bc	44	34	*	-		
	Yarmouth ...	29.63	41	NNW	5	cm	29.83	+67	36	34	-4	W	4	bc	4	0, cm	41	32	*	0.19		
	Loughborough ...	29.76	42	NW	4	0	29.91	+48	38	35	-1	NNW	5	0	*	bc, bc, 0	47	34	*	-		
	Oxford ...	29.87	39	NNW	3	0	29.99	+47	38	36	-3	WSW	3	bc	*	bc, 0	49	33	*	-		
	London (Brixton)	29.78	45	NNW	3	bc	29.97	+52	39	36	-3	WSW	3	C	*	bc, bc, 0	50	31	7.5	-		
	The Scaw (Skagen)	29.60	37	ENE	3	C	29.61	+01	35	35	0	E	1	0	0	C	43	34	*	-		
	Fanö ...	29.49	40	E	6	+	29.56	+16	37	37	-1	Z	0	+	*	+	50	37	*	0.16		
SPAN. PEN.	Cuxhaven ...	29.36	42	SE	1	0	29.56	+23	40	39	+2	NNW	2	osp	*	0	43	38	*	0.12		
	The Helder ...	29.52	41	NW	7	+	29.78	+68	41	38	0	NNW	4	0	4	+	46	41	*	0.08		
	Brussels... ..	*	*	*	*	*	29.95	+69	36	35	-4	WSW	3	bc	*	0	42	36	*	0.04		
	Berlin ...	29.48	42	S	3	+	29.54	-06	41	40	+5	W	4	+	*	+	52	36	*	0.08		
	Frankfurt ...	29.70	42	SW	6	+	29.89	+15	39	36	-2	SW	2	0	*	+	45	37	*	0.08		
	Munich ...	29.82	37	SW	6	C	29.91	+27	38	36	+3	W	6	0	*	C	46	35	*	0.08		
	C. Gris Nez ...	29.77	44	NNW	4	0	29.93	+61	40	38	-2	NNW	5	0	4	0	52	39	*	-		
	Brest ...	29.94	45	WSW	2	0	30.15	+32	43	42	-3	SSW	3	bc	3	0	48	41	*	-		
	Lorient ...	29.96	45	W	4	+	30.15	+35	42	42	-4	N	1	bc	3	+	52	41	*	0.16		
SPAN. PEN.	Rochefort ...	29.99	48	NNW	2	+	30.16	+36	44	42	-6	NNE	4	bc	*	+	52	39	*	0.47		
	Biarritz ...	30.19	54	W	4	0	30.19	+07	53	53	+2	W	6	0	5	0	55	48	*	0.16		
	Paris ...	29.88	46	W	3	0	30.04	+48	34	34	-9	W	1	bc	*	0	52	33	*	-		
	Belfort ...	29.85	41	WSW	6	C	29.97	+39	35	35	-5	SW	4	0	*	C	45	34	*	0.08		
	Lyons ...	30.06	49	W	1	0	30.06	+29	42	41	+1	N	1	+	*	0	55	40	*	0.32		
	Nice ...	29.73	57	W	6	0	29.83	+01	52	45	+9	Z	0	C	3	0	64	43	*	-		
	Perpignan ...	30.07	57	NW	4	C	30.09	+09	50	46	0	SW	2	0	*	C	64	50	*	-		
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
	Lisbon ...	30.32	52	N	4	0	30.34	+02	55	50	+2	NNE	4	0	4	0	61	50	*	-		
Azores (P. Delgada)	30.34	59	S	5	bc	30.35	+05	59	55	+1	S	5	bc	4	bc	63	57	*	-			

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

\* Observations for this column not generally received.

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

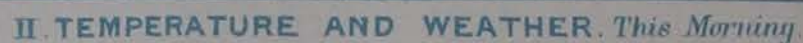


FOR WEDNESDAY, 26<sup>TH</sup> MARCH, 1902

*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  $\rightarrow \rightarrow$  : } Calm ☉  
Force 8 to 10  $\rightarrow \rightarrow$  : Force 1 to 4  $\rightarrow \rightarrow$  :

SEA.—Rough  : High 

TEMPERATURE.—Isotherms are drawn for each 10°.

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

RAINFALL.—*{ A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·8*

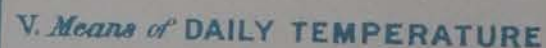


*Yesterday morning.*



Specimen	{	RAINFALL	1.74
(for Shields)		RAIN DAYS	15

*Malin Head & Black sod Belmullet Values are for only 15 Yrs*



at 8 A.M. for the Two monthly period

MARCH APRIL (1871-1900.)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The cyclonic disturbance which was observed yesterday morning near the Dutch Coast has since travelled quickly away eastwards. The barometer is now lowest, 29.5 in. and less, over the central part of the Gulf of Bothnia, but it is almost equally low, 29.6 in. and less, over Denmark, North Germany and the Baltic, and in another area off our extreme northern coasts. It is also relatively low, 29.8 in., over the Gulf of Genoa. Pressure is highest, above 30.1 in., over the western parts of France and the Bay of Biscay. The barometric rise continues over our area as a whole, but has now ceased along our extreme western coasts.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is W<sup>2</sup> over our islands generally and blows strongly at some north-western stations, but at Valencia it has backed to the Southward. In Scandinavia and over Denmark and Germany two separate cyclonic circulations of light winds are observed. Temperature has changed but little and rather irregularly and is still below the normal in most places. The readings range from about 50° in the south and south-west of France and 46° at Scilly to between 39° and 36° in most other parts of our Islands, to 31° at Stockholm, 24° at Haparanda and to 22° at Karlsbad. The weather is fine in most places, but showers prevail on the west coast of Ireland, rain at Fano, Berlin and Lyons, and snow in the northern half of Sweden and also at Newton Rigg (Penzance) and Cuckhaven. A solar halo is visible at Farnborough. The sea is moderate to smooth.

Temperature failed to reach 50° over the greater part of the Kingdom yesterday, but just touched that value at Leith and in London and slightly exceeded it at Scilly and Jersey; at Yarmouth the maximum was only 41°. At Nice and Perpignan the thermometer recorded 64° and 67° respectively. Frost occurred last night in Scotland and in different parts of inland England. Rain has been experienced in the extreme north and west of our Islands and also in the extreme east of England and at most Continental stations. A solar halo was observed at Jersey yesterday and a lunar halo at Pembroke during the early hours of today. Bright sunshine was very prevalent except in the east of England.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The cessation of the baric rise in the extreme west and the backing wind at Valencia seem to point to the advance of another cyclonic disturbance towards our western districts. Unsettled, rainy weather may, therefore, be expected to set in again before long, but during today the conditions will continue fine over the greater part of the Kingdom.

## FORECASTS \*

For the 24 hours ending at NOON on 27<sup>th</sup> March, 1902

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	Wind becoming SW <sup>2</sup> or S <sup>2</sup> and freshening; fair to unsettled, with rain in places. Rather milder.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Wind backing to SW or S; fine today, unsettled with some rain tomorrow. Rather milder.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	Same as Nos. 0+1.
7	ENGLAND N.W.	N <sup>2</sup> to SW <sup>2</sup> or S <sup>2</sup> breezes; changeable. Some rain in places. Milder.
8	ENGLAND S.W.	Wind backing to SW or S; fair to unsettled and rainy.
9	IRELAND NORTH	SW <sup>2</sup> & S <sup>2</sup> winds, increasing in force; changeable, some rain. Milder.
10	IRELAND SOUTH	
WARNINGS		None issued.

Note.—The South Cone, point downwards (  $\nabla$  ), 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 (  $\nabla$  ), 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.



[illegible]

STATIONS.	TEMPERATURE.		Weather.	Sunshine.	Rainfall.	STATIONS.	TEMPERATURE.		Weather.	Sunshine.	Rainfall.
	Max.	Min.		Hrs.	Ins.		Max.	Min.		Hrs.	Ins.
Harrogate, 6 p.m. ... ..	44	34	c, b	8.2	0.16	Worthing ... ..	*	*	*	9.3	*
Birmingham, 9 p.m. ... ..	46	37	b	7.4	0.08	Llandudno ... ..	*	*	*	7.4	*
Lowestoft, 6 p.m. ... ..	42	38	c	0.0	0.34	Rhyl ... ..	*	*	*	*	*
Hastings ... ..	*	*	*	8.0	*	Southport, 9 p.m. ...	45	37	or, c, b, c	10.1	0.20
Eastbourne ... ..	*	*	*	7.7	*	Manchester, 9 p.m. ...	44	36	c, b	8.0	0.11
Brighton ... ..	*	*	*	7.0	*	Darwen, 9 p.m. ...	41	32	c, v	8.2	0.23

STATIONS.	TEMPERATURE. F.		WEATHER.		RAIN.	STATIONS.	TEMPERATURE. F.		WEATHER.		RAIN.
	Max.	Min.					Max.	Min.			
Madeira (Funchal)	63	50	o	o	Ins.	Algiers ... ..	63	46	c	b	—
Madrid ... ..	54	39	bc	bc	—	Tunis... ..	59	43	o	o	—
Corsica (I. Sanguinaires) ...	57	45	f	f	—	Vienna ... ..	52	36	o	bc	0.99
Rome ... ..	58	43	o	b	—	St. Petersburg... ..	41	1	b	o	—
Florence ... ..	65	49	c	r	0.59	24. March -/02	1 p.m.				Measured 7 a.m.
Trieste ... ..	48	41	o	bc	0.67	Lugano ... ..	55	—	b		0.43
Brindisi... ..	65	49	c	r	0.59	Davos ... ..	30	—	o		0.35
Naples ... ..	57	43	o	bc	0.35	Lucerne ... ..	45	—	b		0.35
Palermo ... ..	65	47	r	r	0.28	Lausanne ... ..	43	—	o		0.08

**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); n. 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.			
	Hours of Morning Observations by Local Standard Time.	Corresponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corresponding Greenwich Times.	26 <i>Mar.</i> , 1902	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
British Isles, Belgium, Holland ... ..	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.	Yarmouth ... ..	h. m. 5.45	h. m. 11.59	h. m. 6.13
Germany, Denmark, Norway, Sweden ...	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.	Greenwich ... ..	5.32	12.6	6.20
France ... ..	7 a.m. (Paris) ...	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.	Wick ... ..	6 1	12.18	6.36
Spain ... ..	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.	Valencia ... ..	6.33	12.47	7. 1
Portugal ... ..	8 a.m. (Lisbon) ...	8.36 a.m.						

**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 27<sup>th</sup> March 1902

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

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		BAROM.		TEMP.		WIND.	BAROMETER.		TEMPERATURE.			WIND.		Sea (0 to 9.)	Weather.	TEMP.		Sun- shine Hours	Rainfall. Ins.		
		At 32° and M.S.L.	Dry Bulb.	Dirac.	Force (0 to 12.)		Weather.	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dirac.			Force (0 to 12.)	Weather.			Max.	Min.
SCANDINAVIA.	Haparanda ...	29.60	26	NE	4	S	29.73	+13	17	16	-7	N	2	b	*	30	17	*	0.20		
	Hernösand ...	29.65	30	Z	0	0	29.72	+22	28	27	-1	Z	0	o	*	34	27	*	0.12		
	Stockholm ...	29.71	28	Z	0	0	29.63	+07	27	27	-4	W	2	o	*	37	27	*	—		
	Wisby ...	29.62	33	E	4	0	29.67	+05	31	30	-1	N	4	bc	*	39	28	*	—		
	Karlstad ...	29.67	28	NW	2	b	29.69	+06	30	29	+8	NNW	2	S	*	*	*	*	—		
	Færder (X'iania Fjord)	29.69	33	W	1	0	29.73	+10	32	31	+5	N	4	c	2	34	25	*	—		
	Bodö ...	29.80	33	ESE	2	c	29.91	+24	29	26	-1	NE	2	b	1	36	27	*	—		
	Christiansund ...	29.72	36	E	1	b	29.78	+16	34	31	+1	E	2	b	2	41	32	*	—		
	Skudesnaes ...	29.75	37	Z	0	c	29.74	+12	33	33	-2	NNE	2	b	1	39	32	*	*		
	Sumburgh Head	29.61	35	W	2	c	29.58	+04	37	35	+1	S	1	bc	3	43	31	*	0.07		
BRITISH ISLANDS.	Stornoway ...	29.59	37	SW	3	c	29.57	-02	37	35	+2	NW	2	o	2	44	33	5.9	0.11		
	Malin Head ...	29.67	39	S	3	nm	29.59	-13	42	42	+3	NW	2	cmp	2	42	35	*	0.18		
	Blacksod Pt. ...	29.57	44	SSE	4	nm	29.69	-18	50	48	+9	WSW	5	cm	4	50	40	*	0.27		
	Valencia ...	29.74	52	SW	7	rmg	29.85	-16	52	52	+8	SW	4	om	5	52	42	0.0	1.05		
	Roche's Point ...	29.73	51	WNW	5	+	29.84	-18	52	50	+11	NW	3	bc	3	52	40	*	0.39		
	Parsonstown ...	29.63	41	S	2	+	29.76	-20	48	46	+12	SW	3	o	*	52	35	0.0	0.42		
	Donaghadee ...	29.77	40	SW	8	+	29.59	-26	45	45	+10	NW	3	c	2	45	33	*	0.12		
	Liverpool Obsy.	29.86	40	W	1	+	29.64	-26	47	45	+3	WSW	7	o	5	48	37	*	0.14		
	Holyhead ...	29.82	41	SW	3	dgm	29.71	-20	47	46	+6	WSW	5	om	4	47	39	*	0.30		
	Pembroke (St. Ann's)	29.79	44	SSW	4	+	29.78	-21	47	47	+3	WSW	5	df	2	48	44	0.0	0.62		
GERMANY, &c.	Scilly (St. Mary's)...	29.91	52	WSW	5	nm	29.91	-14	51	51	+5	W	6	m	5	53	43	3.4	0.36		
	Jersey (St. Aubins)...	30.14	47	WSW	5	od	29.97	-15	50	49	+7	WSW	6	otm	4	51	42	2.4	0.31		
	Portland Bill ...	30.02	42	WSW	3	+	29.85	-17	48	47	+5	WSW	3	c	4	48	41	*	0.44		
	Dungeness ...	30.00	45	W	4	o	29.74	-23	47	46	+3	W	4	o	4	53	40	*	0.16		
	Wick ...	29.50	40	W	1	b	29.57	-03	37	35	+3	S	1	c	0	43	33	*	—		
	Nairn ...	29.66	39	Z	0	bc	29.60	-05	36	35	+1	Z	0	o	1	40	31	*	0.02		
	Aberdeen ...	29.72	41	W	1	b	29.63	-05	36	35	0	SSW	1	otgm	1	46	31	10.5	0.02		
	Leith ...	29.73	39	SW	2	bc	29.61	-11	37	37	+1	Z	0	nm	*	46	35	*	0.05		
	North Shields ...	29.78	41	W	3	c	29.62	-15	38	38	+1	SE	2	d	2	46	36	*	0.04		
	Spurn Head ...	29.84	42	WSW	4	bc	29.64	-19	40	40	+1	SSE	3	o	3	46	38	*	0.06		
FRANCE.	Yarmouth ...	29.88	44	W	4	c	29.66	-17	41	40	+5	S	3	dsm	4	45	34	*	0.05		
	Loughborough ...	29.91	43	W	3	o	29.68	-23	42	42	+4	Z	0	om	*	47	38	*	0.08		
	Oxford ...	29.92	40	SW	3	+	29.74	-25	51	49	+13	WSW	3	o	*	51	38	*	0.20		
	London (Brixton)	29.98	45	W	5	o	29.73	-24	51	49	+12	WSW	3	o	*	51	39	2.4	0.15		
	The Scaw (Skagen)	29.70	34	NNE	1	m	29.72	+11	32	31	-3	NNE	1	m	0	39	30	*	—		
	Fanö ...	29.78	37	W	2	bc	29.76	+20	35	33	-2	W	2	b	*	41	34	*	0.12		
	Cuxhaven ...	29.80	39	WNW	4	c	29.80	+24	35	34	-5	S	2	otsm	*	41	34	*	0.20		
	The Helder ...	29.90	40	WNW	1	b	29.75	-03	39	39	-2	SSW	1	+	2	45	34	*	0.08		
	Brussels ...	*	*	*	*	*	29.80	-15	38	38	+2	SSW	3	+	*	48	36	*	0.08		
	Berlin ...	29.75	37	NW	4	+	29.88	+34	36	34	-5	W	4	c	*	45	34	*	0.24		
SPAN. PEN.	Frankfurt ...	30.04	?40	SW	2	b	29.92	+03	36	35	-3	SW	2	+	*	48	34	*	0.12		
	Munich ...	30.05	34	W	4	b	30.02	+11	34	33	-4	W	5	S	*	39	30	*	—		
	C. Gris Nez ...	30.02	44	WNW	5	o	29.73	-20	46	45	+6	W	5	f	5	54	40	*	0.28		
	Brest ...	30.09	47	SW	4	+	30.09	-06	50	50	+7	W	4	f	5	50	43	*	0.08		
	Lorient ...	30.20	48	WSW	3	o	30.10	-05	50	50	+8	W	5	f	5	54	42	*	0.08		
	Rochefort ...	30.26	48	WNW	3	o	30.17	+01	52	50	+8	WNW	5	o	*	52	39	*	0.04		
	Biarritz ...	30.37	52	NW	3	o	30.37	+18	55	53	+2	W	5	o	3	55	48	*	—		
	Paris ...	30.15	47	W	2	o	29.88	-16	49	48	+15	WSW	3	o	*	53	34	*	0.32		
	Belfort ...	30.09	40	W	5	o	30.01	+04	33	33	-2	W	2	S	*	47	32	*	0.08		
	Lyons ...	30.22	45	NW	2	o	30.17	+11	40	39	-2	SE	1	+	*	51	38	*	0.24		
Nice ...	29.85	53	SE	1	bc	29.96	+13	49	46	-3	Z	0	b	2	63	45	*	—			
Perpignan ...	30.18	57	W	4	bc	30.23	+14	56	48	+6	NW	5	o	*	66	49	*	—			
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.



FOR Thursday, 27<sup>th</sup> March, 1902

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

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

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

SEA.—Rough  : High



TEMPERATURE.—Isotherms are drawn for each 10°

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

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



Yesterday morning.



Specimen	{	RAINFALL	1.74
(for Shields)		RAIN DAYS	5

*Malin Head & Black sod Belmullet Values are for only 15 Yrs*



at 8 A.M. for the Two monthly period

MARCH APRIL (1871-1900.)





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

A large but somewhat shallow cyclonic disturbance has spread over the United Kingdom from the Atlantic, its central area, with readings below 29.6 in. being at present situated over the west and north of Scotland. The general fall of the barometer which took place as the depression advanced has been succeeded in most places by a slight recovery of pressure, but at Valencia (Ireland) the rise has apparently ceased. The highest pressures, 30.3 in. and upwards, are still found in a large anticyclone lying over Spain and the south-west of France.

## WIND

## TEMPERATURE

## WEATHER

## AND

## SEA

The wind is fresh to strong from the Westward on the west and south coasts of Great Britain and also in the north and west of France, but is light from the Southward or South-eastward on our north and east coasts; over the western and central parts of Ireland it is S.W.<sup>ly</sup>. In Scandinavia light to moderate breezes from between North and East are reported, while in Germany the wind is chiefly W.<sup>ly</sup>. Temperature has risen decidedly over France and the southern parts of the United Kingdom and is now above the average, the morning readings being slightly above 50° in several places. In most other parts of our area the thermometer remains rather low for the time of year, the readings being below 40° in the northern parts of Great Britain and also over Denmark, Germany and the Netherlands, and below the freezing point in Scandinavia; at Haparanda the thermometer stands as low as 17°. The weather is in a cloudy unsettled state over Western Europe generally, with rain at several of our own northern stations, as well as in the Netherlands and western Germany and with snow at Karlstad, Copenhagen, Munich and Belfast; fog prevails on the north and north west coasts of France. In the west and north of Scandinavia the sky is clear. The sea is rather rough at Liverpool and Valencia and also on the north coasts of France, but moderate or slight elsewhere. During yesterday the thermometer rose to 50° or slightly above it at several of our western and southern stations and to 53° at Scilly, and Dungeness. The amount of bright sunshine was large at several of our north and east stations (as much as 10.5 hr. at Aberdeen) but small in the west. Rain fell over Western Europe generally, the amount at Valencia (Ireland) being as much as 1.1 inch.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The cessation of the basic rise in the west, coupled as it is with a backing wind, seem to point to the advance of fresh disturbances from the Atlantic. The weather is therefore likely to remain in a cloudy unsettled state, with strong S.W.<sup>ly</sup> and W.<sup>ly</sup> winds on our western and southern coasts.

**NOTICE.** The Daily Weather Reports for tomorrow (Good Friday), Sunday, the 30<sup>th</sup>, Monday the 31<sup>st</sup> insts. and Tuesday, April 1<sup>st</sup>, will all be issued on Tuesday next. The report for Saturday, March 29<sup>th</sup> will be issued, as usual, on that day.

## FORECASTS \*

For the 24 hours ending at NOON on 28<sup>th</sup> March, 1902

### DISTRICTS.

### FORECASTS.

### DISTRICTS.

### FORECASTS.

0	{ SCOTLAND NORTH	Light breezes chiefly S <sup>ly</sup> ; unsettled. rain at times.
1	{ SCOTLAND EAST	
2	{ ENGLAND N.E.	S <sup>ly</sup> and SE <sup>ly</sup> winds, light or moderate; dull, unsettled, some rain. Milder.
3	{ ENGLAND EAST	
4	{ MIDLAND COUNTIES	W <sup>ly</sup> to SW <sup>ly</sup> winds increasing in strength; cloudy, mild, occasional rain.
5	{ ENGLAND SOUTH	

6	{ SCOTLAND WEST	Light variable breezes; changeable, showery. Rather milder.
7	{ ENGLAND N.W.	
8	{ ENGLAND S.W.	SW <sup>ly</sup> and S <sup>ly</sup> winds increasing in strength; cloudy, squally, rain at times
9	{ IRELAND NORTH	
10	{ IRELAND SOUTH	

### WARNINGS

At 3.40 pm. yesterday to districts 8 and 10, and at 5.15 pm. to districts 5, 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.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.		
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	c	*	b, bc	49	40	6.5	0.13
Newton Reigny (Penrith)	29.81	38	SW 2	o	29.62	-20	36	36	+2	SE 1	f	*	o, s, r, d	42	32	1.7	0.24
Bath	29.98	36	W 4	c	?	?	50	48	+7	W 6	o	*	c	50	39	1.3	0.23

## 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.	46	32	c, o	9.0	0.01	Worthing	*	*	*	3.8	*
Birmingham, 9 p.m.	45	33	n	1.0	0.09	Llandudno	*	*	*	0.7	*
Lowestoft, 6 p.m.	46	31	c	7.2	0.01	Rhyl	*	*	*	2.0	*
Hastings	*	*	*	5.2	*	Southport, 9 p.m.	45	39	c, o†	3.4	0.08
Eastbourne	*	*	*	5.2	*	Manchester, 9 p.m.	45	35	o†	4.0	0.08
Brighton	*	*	*	3.2	*	Darwen, 9 p.m.	43	32	n	3.2	0.18

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

STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal)	64	50	c	bc	Algiers	70	52	bc	bc
Madrid	64	36	c	b	Tunis	61	41	bc	bc
Corsica (I. Sanguinaires)	57	45	m	f	Vienna	54	41	o	b
Rome	59	50	o	o	St. Petersburg	41	34	o	m
Florence	53	50	r	r	25 March 1902		1 p.m.		Measured 7 a.m.
Trieste	54	45	o	o	Lugano	41	—	o	—
Brindisi	66	49	bc	b	Davos	34	—	b	—
Naples	57	46	c	bc	Lucerne	43	—	o	—
Palermo	61	53	bc	bc	Lausanne	43	—	r	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.

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

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

27. March 1902	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
	h. m.	h. m.	h. m.
Yarmouth	5.42	11.59	6.15
Greenwich	5.50	12. 6	6.22
Wick	5.58	12.18	6.38
Valencia	6.31	12.47	7. 3

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, 23<sup>rd</sup> March, 1902*  
 Issued by the Meteorological Office, 63, Victoria Street, London. W. N. SHAW, Secretary.

STATIONS.	YESTERDAY EVENING. (See note on last page.)						THIS MORNING. (See note on last page.)										PAST 24 HOURS.			
	BAROM.	TEMP.	WIND.		Weather.	Sea (0 to 9.)	BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9.)	Weather.	TEMP.		Sun- shine. Hours	Rainfall. Ins.
	At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)			At 32° Fahr. and M.S.L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)				Max.	Min.		
	Ins.						Ins.	Ins.	°	°										
SCANDINAVIA.	Haparanda ...	29.77	21	N	6	0	29.90	+17	18	17	+1	N	6	3	*	0	30	12	*	-
	Hernösand ...	29.84	25	Z	0	0	29.96	+24	16	14	-12	Z	0	3	*	0	36	16	*	-
	Stockholm ...	29.81	27	NW	2	0	29.93	+10	25	24	-2	NW	2	3	*	0	36	25	*	-
	Wisby ...	29.80	31	W	4	3	29.86	+19	32	31	+1	NW	2	5	*	3	37	25	*	0.04
	Karlstad ...	29.85	32	NNE	2	5	29.98	+29	25	24	+5	NNE	2	3	*	5	*	*	*	0.04
	Færder (X'ania Fjord) ...	29.79	35	NE	2	0	29.93	+20	29	27	-3	ENE	4	3	2	0	36	28	*	-
	Bodö ...	29.45	32	E	2	3	30.01	+10	21	16	-8	E	4	3	1	3	37	18	*	-
	Christiansund ...	29.80	34	E	1	3	29.84	+06	33	30	-1	ESE	3	3	3	7	39	30	*	-
	Skudesnaes ...	29.81	34	E	2	0	29.86	+12	35	35	+2	S	2	0	3	0	36	33	*	*
	Sumburgh Head ...	29.67	39	S	2	3	29.75	+17	40	37	+3	Z	0	7	3	3	47	30	*	0.09
BRITISH ISLANDS.	Stornoway ...	29.73	43	NNE	2	3	29.74	+17	40	38	+3	SW	4	4	4	4	47	27	8.5	-
	Malin Head ...	29.73	43	SE	1	0	29.80	+21	46	46	+4	W	5	3	3	3	46	42	*	0.06
	Blacksod Pt. ...	29.81	51	W	4	cm	29.96	+27	48	45	-2	WNW	4	3	3	3	53	46	*	0.01
	Valencia ...	29.94	52	WSW	3	3	30.04	+19	47	46	-5	WNW	2	4	4	4	53	46	3.5	0.03
	Roche's Point ...	29.91	54	NNW	3	3	30.01	+17	49	47	-3	NW	2	3	2	3	59	44	*	-
	Parsonstown ...	29.85	52	W	4	0	29.97	+21	48	46	0	W	3	0	*	3	51	46	5.9	-
	Donaghadee ...	29.74	44	NW	2	0	29.81	+22	46	46	+1	NW	3	3	3	3	47	42	*	0.09
	Liverpool Obsy. ...	29.79	46	WSW	3	3	29.88	+24	47	44	0	WSW	3	0	3	3	53	45	*	-
	Holyhead ...	29.80	51	W	3	3	29.90	+19	48	46	+1	W	3	3	2	3	54	46	*	0.01
	Pembroke (St. Ann's) ...	29.85	46	W	5	3	29.95	+17	47	45	0	NW	4	4	4	4	48	44	0.7	-
GERMANY, &c.	Scilly (St. Mary's) ...	29.98	51	W	5	f	29.98	+07	50	50	-1	W	5	5	5	5	52	50	0.0	0.32
	Jersey (St. Aubins) ...	29.99	50	WSW	6	3	30.03	+06	50	48	0	W	2	2	2	2	52	42	0.0	0.46
	Portland Bill ...	29.89	50	WNW	4	3	29.98	+13	47	46	-1	WNW	2	3	3	3	51	46	*	-
	Dungeness ...	29.81	48	WNW	5	3	29.94	+20	46	46	-1	WNW	4	0	3	3	55	40	*	-
	Wick ...	29.68	45	W	1	3	29.76	+19	34	32	-3	Z	0	3	3	3	47	26	*	-
	Nairn ...	29.69	42	W	1	3	29.78	+18	35	34	-1	Z	0	3	3	3	46	29	*	-
	Aberdeen ...	29.70	41	NW	2	3	29.81	+18	40	37	+4	WNW	1	3	3	3	43	32	1.2	0.03
	Leith ...	29.71	44	SW	1	0	29.80	+19	40	38	+3	Z	0	3	3	3	47	34	*	0.01
	North Shields ...	29.72	41	NNW	1	3	29.83	+21	41	40	+3	Z	0	3	3	3	43	38	*	0.04
	Spurn Head ...	29.69	41	NW	4	3	29.84	+20	42	42	+2	SSE	3	3	3	3	45	19	*	0.08
FRANCE.	Yarmouth ...	29.67	51	WNW	5	3	29.87	+21	42	41	+1	SW	1	3	3	3	52	38	*	0.02
	Loughborough ...	29.78	52	WNW	5	0	29.89	+21	47	45	+5	W	2	3	3	3	56	42	*	-
	Oxford ...	29.86	49	WNW	4	3	29.95	+21	44	43	-7	WSW	1	3	3	3	59	42	*	-
	London (Brixton) ...	29.82	54	WNW	3	3	29.93	+20	45	44	-6	W	3	0	3	3	59	44	5.6	-
	The Scaw (Skagen) ...	29.77	35	Z	0	3	29.86	+14	35	35	+8	E	1	0	0	3	41	30	*	-
	Fanö ...	29.78	33	WNW	1	3	29.89	+13	32	30	-3	N	2	3	3	3	39	32	*	-
	Cuxhaven ...	29.75	39	N	1	3	29.89	+09	38	36	+3	NW	1	3	3	3	41	35	*	-
	The Helder ...	29.69	41	SE	1	3	29.90	+15	41	39	+2	SW	1	0	0	3	43	39	*	0.08
	Brussels ...	*	*	*	*	*	29.96	+16	43	42	+5	WSW	1	0	3	3	57	38	*	0.04
	Berlin ...	29.76	39	SE	2	3	29.80	+08	34	32	-2	NW	3	0	3	3	46	32	*	0.20
SPAN. PEN.	Frankfurt ...	29.75	46	SW	2	3	29.90	+02	44	41	+8	NW	3	3	3	3	46	36	*	0.12
	Munich ...	29.84	42	W	6	3	29.88	+14	42	41	+8	N	7	3	3	3	46	34	*	0.39
	C. Gris Nez ...	29.81	46	WSW	5	3	29.91	+18	44	44	-2	WSW	2	3	3	3	54	41	*	-
	Brest ...	30.11	50	W	5	3	30.07	+02	50	50	0	WSW	4	3	3	3	50	48	*	0.04
	Lorient ...	30.14	50	W	5	3	30.10	00	50	50	0	W	5	3	3	3	54	46	*	0.28
	Rochefort ...	30.21	52	W	6	3	30.16	+01	51	51	-1	W	5	3	3	3	54	48	*	0.12
	Biarritz ...	30.42	54	W	5	3	30.36	+01	52	52	-3	W	4	0	3	3	55	52	*	-
	Paris ...	29.95	53	W	3	0	30.03	+15	49	47	0	SW	2	3	3	3	59	48	*	-
	Belfort ...	29.89	48	SW	3	3	30.00	+01	46	44	+13	W	4	3	3	3	49	33	*	0.28
	Lyons ...	29.95	44	S	1	3	30.15	+02	50	49	+10	SE	1	3	3	3	51	40	*	0.43
SPAN. PEN.	Nice ...	29.95	52	SSW	1	3	29.89	+07	48	43	-1	Z	0	3	3	3	63	43	*	-
	Perpignan ...	30.15	63	NW	6	3	30.15	+08	55	47	-1	NW	6	0	3	3	68	52	*	-
SPAN. PEN.	Corunna ...	30.28	62	N	4	3	30.26	+02	61	56	+2	NNE	1	3	3	3	73	55	*	-
	Lisbon ...	30.43	59	S	4	0	30.41	+03	57	52	-2	SE	4	3	3	3	63	57	*	-

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

\* Observations for this column not generally received.

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



# WEATHER CHARTS

FOR Friday, 28<sup>th</sup> March, 1902

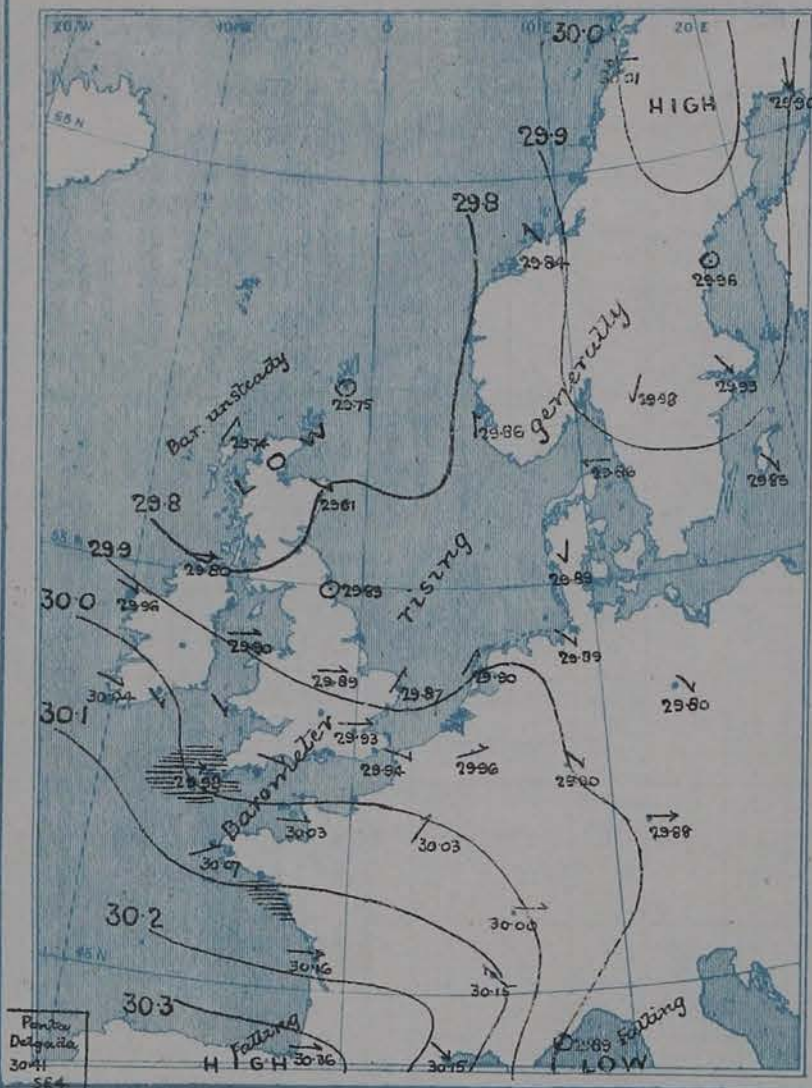
## I. BAROMETER, WIND AND SEA. This Morning.

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

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

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

SEA.—Rough : High :

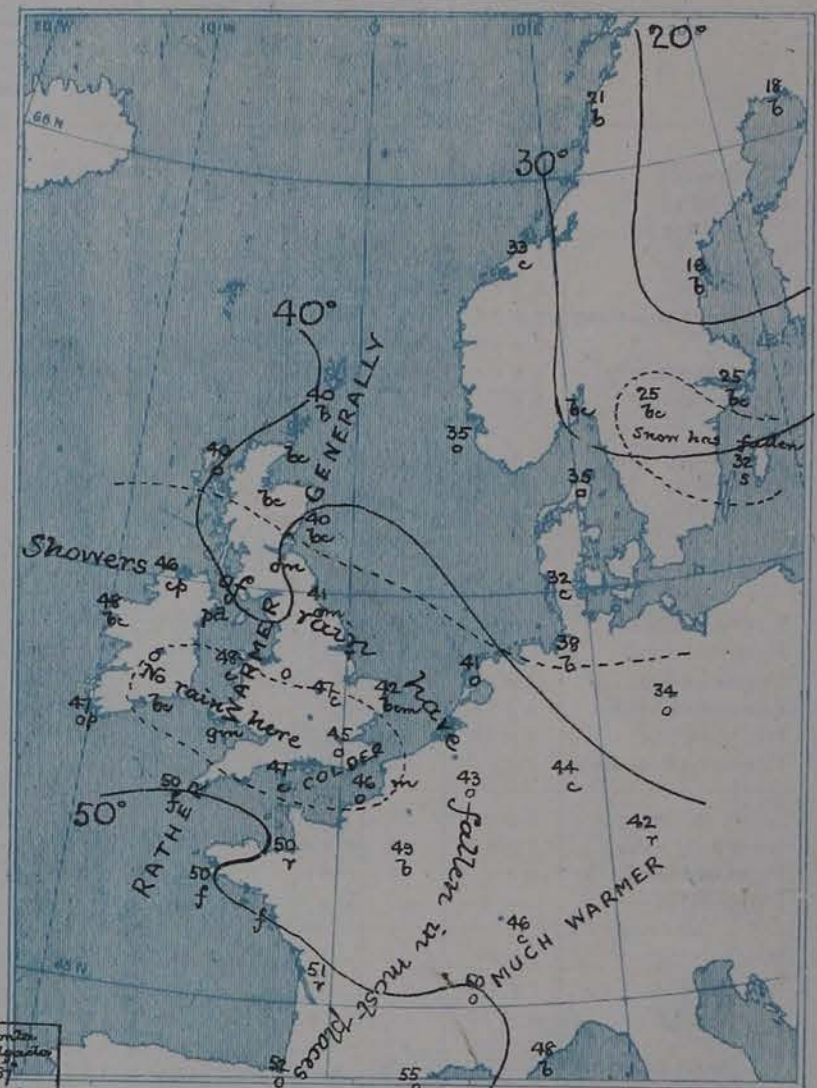


## II. TEMPERATURE AND WEATHER This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

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

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.8



## III. BAROMETER AND WIND

Yesterday morning.



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

Specimen { RAINFALL 1.74  
(for Shields) { RAIN DAYS 15

Main Head & Black & Belmullet Values are for only 15 Yrs



## V. Means of DAILY TEMPERATURE

at 8 A.M. for the Two monthly period

MARCH, APRIL (1871-1900.)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

A shallow and irregularly shaped area of low pressure, in which the barometer is below 29.8 ins., lies over Scotland and the northern part of the North Sea, while the highest readings, 30.3 ins. and upwards, are found over the northern half of the Spanish Peninsula. Pressure is also relatively high, 30.0 ins., over the north of Norway and relatively low, 29.9 ins., over the Gulf of Genoa. The barometer is rising generally, but falling somewhat within the high pressure area and also over the Gulf of Genoa.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is mainly W<sup>ly</sup> over our Islands and France and mostly light or moderate in force; at Scilly and in the south of France, however, it blows freshly or strongly. In the west of Norway it is light from between south and east, while in Germany NW<sup>ly</sup> breezes prevail. Temperature has changed irregularly. The readings over our Islands vary from 50° at Scilly and Jersey to 41° or 42° on the east coast of England, to 35° at Ramen and to 34° at Wick. At the continental stations the values vary between 61° at Lisbon and 55° at Perpignan to 34° at Berlin, and from 35° at Skudeneshavn to 16° at Helsingfors. The weather is cloudy or dull generally, but fair in most parts of Scotland and Scandinavia. Showers are reported at some western stations and rain at Jersey, Spurn Head, and Rochefort, while snow is falling at Harby. Fog prevails at the mouth of the English Channel and on the coast of Brittany. The sea is rather rough at Lorient and Scilly, moderate to smooth elsewhere.

During yesterday the thermometer registered maxima of 59° at Roch's Point, Oxford, and in London, but at Aberdeen and Shill as the highest value was only 43°. Rain has fallen in most parts of France, Germany, and the Netherlands, and in many of our own northern, western, and southwestern districts. Bright sunshine varied considerably, but was more prevalent in the extreme north, at Birmingham, Parsonstown, and on the coast of Sussex than elsewhere.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

## FORECASTS \*

For the 24 hours ending at NOON on 29<sup>th</sup> March, 1902

### 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 3.30 p.m. yesterday, to districts 5, 7-10, "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- shin. Hrs.	Rainfall Ins.
					Ins.	Change.	Dry.	Wet.	Change.					Max.	Min.		
Clacton-on Sea	*	*	*	*	*	*	*	*	*	*	c	*	c, b, c	58	40	4.8	-
Newton Reigny (Penrith)	29.75	42	2.0	0	29.81	+19	40	40	+4	2.0	f	*	0.2, c, y, f	47	36	2.1	0.05
Bath	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

## 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	36	c	1.6	0.08	Worthing	*	*	*	6.5	*
Birmingham, 9 p.m.	55	36	c, o	5.6	0.11	Llandudno	*	*	*	2.2	*
Lowestoft, 6 p.m.	54	38	c, o, r	0.5	0.05	Rhyl	*	*	*	2.3	*
Hastings	*	*	*	5.6	*	Southport, 9 p.m.	50	38	o, r, c, o	0.8	0.11
Eastbourne	*	*	*	6.5	*	Manchester, 9 p.m.	52	38	o, r	0.5	0.15
Brighton	*	*	*	4.5	*	Darwen, 9 p.m.	49	32	o	0.2	0.19

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

STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal)	66	50	b, b	Ins.	Algiers	45	54	b, b	Ins.
Madrid	68	37	c, bc	-	Tunis	42	50	c, o	-
Corsica (I. Sanguinaires)	59	45	f, f	0.12	Vienna	50	37	o, o	-
Rome	61	48	r, c	-	St. Petersburg	41	34	c, o	-
Florence	57	44	b, b	-	Lugano	55	-	b	Measured 7 a.m.
Trieste	57	41	o, b	0.04	Davos	34	-	o	0.04
Brindisi	64	44	c, o	0.20	Lucerne	37	-	r	0.20
Naples	60	51	o, b	0.12	Lausanne	41	-	o	0.32
Palermo	69	51	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.

	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.

	MAR. 28 <sup>TH</sup> 1902		Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
			h. m.	h. m.	h. m.
Yarmouth	5.39	11.58	6.17		
Greenwich	5.47	12.5	6.23		
Wick	5.55	12.17	6.40		
Valencia	6.28	12.46	7.4		

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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 29<sup>th</sup> March

1902

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 82° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)			At 82° Fabr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)			Max.	Min.			
																					Ins.
SCANDINAVIA.	Haparanda ...	30.00	19	N	2	0	29.82	-0.8	24	23	+6	NE	4	0	*	0	30	10	*	0.04	
	Hernösand ...	29.90	22	Z	0	0	29.76	-2.0	23	21	+7	Z	0	bc	*	0	32	12	*	—	
	Stockholm ...	29.93	21	N	2	0	29.82	-1.1	23	21	-2	Z	0	0	*	0	32	19	*	—	
	Wisby ...	29.92	28	N	2	0	29.85	-0.1	30	28	-2	Z	0	0	*	0	29	25	*	—	
	Karlstad ...	29.93	30	NE	2	0	29.79	-1.9	26	25	+1	SSW	2	0	*	0	*	*	*	—	
	Færder (X'ania Fjord)	29.93	33	W	2	0	29.73	-2.0	34	33	+5	S	5	0	2	0	34	28	*	—	
	Bodö ...	29.92	25	E	3	0	29.73	-2.8	27	24	+6	E	4	0	2	0	28	21	*	—	
	Christiansund ...	29.84	36	SE	2	0	29.48	-3.6	31	28	-2	SE	3	0	3	0	29	28	*	—	
	Skudesnaes ...	29.88	36	S	6	0	29.50	-3.6	37	36	+2	S	6	0	4	0	37	32	*	*	
	Sumburgh Head	29.60	39	SW	3	0	29.28	-4.7	40	38	0	NW	4	bc	4	0	45	30	*	0.14	
Stornoway ...	29.71	42	W	7	+	29.50	-2.4	38	37	-2	NW	4	0	4	0, +	49	36	2.0	0.20		
Malin Head ...	29.90	45	WSW	2	0	29.47	-3.3	48	47	+2	W	7	tm	5	0,0	48	43	*	0.20		
Blacksod Pt. ...	29.98	49	SW	3	0	29.66	-3.0	50	49	+2	W	5	om	4	bc	51	47	*	0.05		
Valencia ...	30.04	49	WSW	1	0	29.79	-2.5	52	51	+5	SW	6	omp	6	0	52	45	4.2	0.11		
BRITISH ISLANDS.	Roche's Point ...	30.04	50	SSW	1	0	29.73	-2.8	52	51	+3	WNW	2	0	2	bc, m	56	45	*	0.01	
	Parsonstown ...	29.99	52	SW	3	0	29.68	-2.9	49	48	+1	SW	2	od	*	0	57	43	6.4	0.03	
	Donaghadee ...	29.94	47	N	2	0	29.68	-2.3	47	46	+1	NW	3	0	3	0	52	42	*	0.03	
	Liverpool Obsy.	29.97	44	WSW	2	0	29.68	-2.0	46	45	-1	SSW	3	0	2	0	49	42	*	—	
	Holyhead ...	29.98	48	W	1	0	29.68	-2.2	45	45	-3	SW	3	rgm	2	0	52	44	*	0.07	
	Pembroke (St. Ann's)	30.01	47	W	4	0	29.74	-2.1	47	46	0	SSW	5	rf	4	0	51	45	5.4	0.20	
	Scilly (St. Mary's)...	30.09	50	WNW	5	0	29.84	-1.4	50	50	0	WSW	5	f	4	bc, 0	52	49	1.0	0.02	
	Jersey (St. Aubins)...	30.09	50	WNW	3	0	29.98	-0.5	50	49	0	SW	2	f	2	f, g, f	51	46	0.0	0.04	
	Portland Bill ...	30.02	48	WNW	3	bc	29.88	-1.0	46	46	-1	WSW	3	f	3	bc	52	44	*	—	
	Dungeness ...	29.95	54	NW	3	0	29.87	-0.7	46	46	0	W	5	0	4	0	55	41	*	—	
Wick ...	29.66	42	WSW	1	bc	29.33	-4.3	37	36	+3	WNW	1	0	0	bc	44	32	*	—		
Nairn ...	29.73	44	W	3	0	29.48	-3.0	38	37	+3	W	1	+	1	0	49	33	*	0.09		
Aberdeen ...	29.77	45	WSW	2	0	29.47	-3.4	39	37	-1	NW	2	otg	1	p, c	47	38	5.3	0.04		
Leith ...	29.81	45	W	3	0	29.44	-3.6	45	43	+5	WSW	2	tm	*	0	48	38	*	0.06		
North Shields ...	29.83	51	WSW	2	0	29.55	-2.8	44	43	+3	WSW	2	0	2	0, +	53	41	*	0.07		
Spurn Head ...	29.88	48	W	3	0	29.63	-2.1	44	43	+2	S	4	dp	3	0	50	41	*	0.12		
Yarmouth ...	29.87	46	ENE	2	cf	29.75	-1.2	44	43	+2	SSW	2	em	3	0, f	47	40	*	0.21		
Loughborough ...	29.95	51	S	4	0	29.74	-1.5	45	43	-2	SSW	3	0	*	0, bc, c, 0	54	44	*	—		
Oxford ...	30.04	49	W	1	0	29.80	-1.5	45	43	+1	SW	3	0	*	0	57	42	*	—		
London (Brixton)	29.97	54	W	2	bc	29.83	-1.0	44	42	-1	WSW	3	0	*	bc, 0	56	41	1.9	—		
GERMANY, &c.	The Scaw (Skagen)	29.94	34	NE	1	0	29.78	-0.8	34	34	-1	SSW	2	0	0	0	37	32	*	—	
	Fanö ...	29.95	34	Z	0	0	29.77	-1.2	36	35	+4	S	4	0	*	0	43	32	*	—	
	Cuxhaven ...	29.95	38	NW	1	0	29.86	-0.3	32	31	-6	S	2	0	*	0	41	28	*	—	
	The Helder ...	29.93	42	Z	0	0	29.79	-1.1	43	42	+2	SW	1	+	3	0	46	39	*	—	
	Brussels ...	*	*	*	*	*	29.93	-0.3	41	41	-2	SW	4	0	*	0	52	38	*	0.04	
	Berlin ...	29.98	37	NW	3	0	29.97	+1.7	33	32	-1	SW	2	f	*	0	39	32	*	0.04	
	Frankfurt ...	29.97	44	N	2	+	29.99	+0.9	43	42	-1	SW	2	0	*	+	52	41	*	0.12	
	Munich ...	29.99	43	W	4	+	30.04	+2.3	39	38	-3	W	3	0	*	+	50	37	*	0.23	
FRANCE.	C. Gris Nez ...	29.97	46	WSW	2	bc	29.89	-0.2	44	44	0	WSW	6	f	5	bc	54	43	*	—	
	Brest ...	30.13	50	W	2	f	30.05	-0.2	50	50	0	W	3	f	4	f	50	48	*	0.16	
	Lorient ...	30.14	49	WNW	3	f	30.08	-0.2	50	50	0	WSW	4	f	4	f	52	47	*	0.04	
	Rochefort ...	30.17	52	WNW	4	m	30.17	+0.1	52	52	+1	SSE	4	0	*	m	54	48	*	—	
	Biarritz ...	30.34	54	W	5	f	30.34	-0.2	52	52	0	W	4	f	4	f	54	50	*	0.20	
SPAN. PEN.	Paris ...	30.04	53	NW	2	0	30.05	+0.2	46	44	-3	SW	2	0	*	0	60	41	*	—	
	Belfort ...	29.95	51	W	4	0	30.04	+0.4	43	42	-3	W	4	0	*	0	57	43	*	—	
	Lyons ...	30.09	52	NE	1	0	30.16	+0.1	50	49	0	W	1	0	*	0	56	35	*	0.12	
	Nice ...	29.86	51	SW	1	0	29.94	+0.5	50	48	+2	Z	0	0	3	0	63	45	*	—	
	Perpignan ...	30.12	59	NW	5	0	30.16	+0.1	59	53	+4	NW	4	bc	*	0	62	54	*	0.24	

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

\* Observations for this column not generally received.

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



# WEATHER CHARTS

FOR

Saturday, 29<sup>th</sup> March,

1902

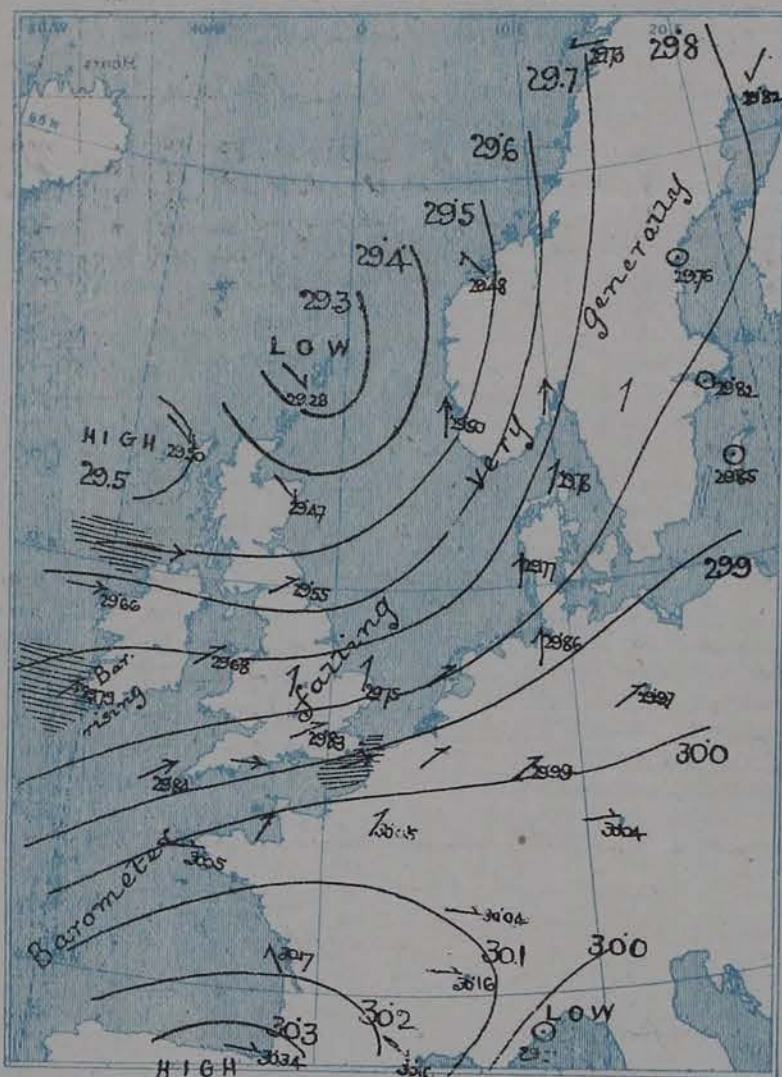
## I. BAROMETER, WIND AND SEA. This Morning.

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

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

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

SEA.—Rough → : High →

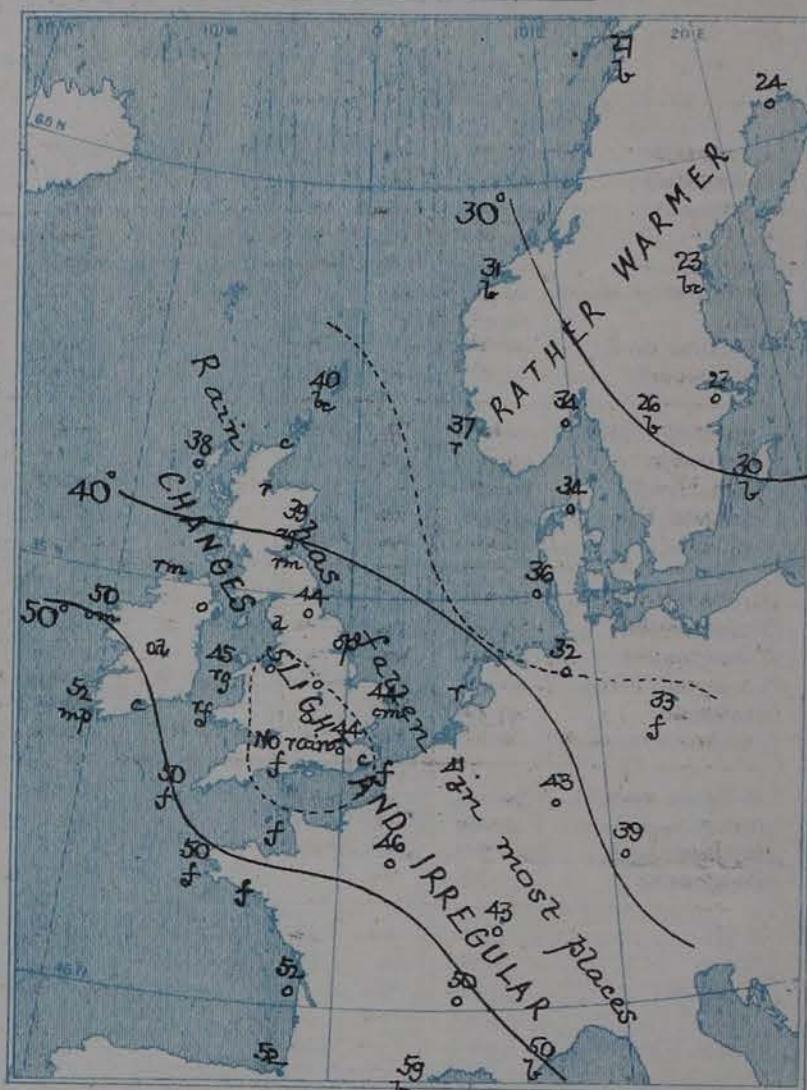


## II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

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

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



## III. BAROMETER AND WIND

Yesterday morning.



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

Specimen (RAINFALL 1.74 (for Shields) RAIN DAYS 15

Mulin Head & Blackscod & Belmullet Values are for only 15 Yrs.



## V. Means of DAILY TEMPERATURE

at 8 A.M. for the five monthly period

MARCH APRIL (1871-1900)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

A large, but somewhat shallow, cyclonic area is spreading over our islands from the northward, the central portion of the system, with minimum readings below 29.3 in. being situated over and to the eastward of the Shetlands. The barometer is consequently falling over North-western Europe generally, but on our own extreme western coasts the fall has apparently ceased. The highest pressures, 30.3 in. and upwards are still found in an anticyclone over Spain and the South-west of France.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is S.W.<sup>ly</sup> or W.<sup>ly</sup> over the greater part of our islands, France, Germany and the Netherlands - light to fresh in force generally, but strong at some of the Irish stations. In Denmark and the south of Norway it is S.<sup>ly</sup> and in the west of Norway S.E.<sup>ly</sup> or E.<sup>ly</sup>, but in the Shetlands and Hebrides it is N.W.<sup>ly</sup>; calms are reported over nearly the whole of Sweden. Temperature has changed slightly and irregularly. Over the northern parts of Great Britain it is rather below the average, the readings in the north of Scotland being mostly below 40°, but in other parts of our islands it is above the normal; on our extreme west and south-west coasts the thermometer stands at or slightly above 50°, similar values being reported in the west of France. Frost prevails over the greater part of Scandinavia, the lowest temperature reported being 23° at Helsingfors and Stockholm. The weather is dull over Western Europe generally, with fog over nearly the whole of the Channel and the Bay of Biscay; rain is falling at several of our own western and northern stations and also at Shetland and the Hebrides. In many parts of Scandinavia the weather is fine. The sea is rough off the west and north of Ireland and rather rough at C. Guiney, moderate or slight elsewhere.

During yesterday the thermometer rose to between 50° and 55° in most parts of England and Ireland and to 57° at Oxford and Portsmouth. The amount of bright sunshine was fairly large on all but our south-west coasts, more than 5 hrs. being registered in several places and more than 6 hrs. at Worthing and Portsmouth. Rain fell in all districts excepting the central and southern parts of England.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The low pressure system in the north will probably remain stationary or move very slowly north-eastwards. Shallow secondary disturbances are approaching our western coasts and are likely to pass eastwards across Ireland and England, so that while rain is probable in all districts today, a temporary improvement in the weather may be expected tomorrow.

## FORECASTS \*

For the 24 hours ending at NOON on 30<sup>th</sup> March, 1902

### DISTRICTS.

### FORECASTS.

0	{ SCOTLAND NORTH	N.W. <sup>ly</sup> winds, freshening, changeable, some cold showers
1	{ SCOTLAND EAST	} W. <sup>ly</sup> winds, moderate, cloudy, showery.
2	{ ENGLAND N.E.	
3	{ ENGLAND EAST	} S.W. <sup>ly</sup> to W. <sup>ly</sup> winds, moderate, dull at first with some rain; improving temporarily later.
4	{ MIDLAND COUNTIES	
5	{ ENGLAND SOUTH	

### DISTRICTS.

### FORECASTS.

6	{ SCOTLAND WEST	Same as No. 0.
7	{ ENGLAND N.W.	} S.W. <sup>ly</sup> to W. <sup>ly</sup> winds, strong in places, changeable, showery.
8	{ ENGLAND S.W.	
9	{ IRELAND NORTH	Same as No. 0.
10	{ IRELAND SOUTH	Same as Nos. 7 and 8.
WARNINGS		None Issued.

Note.—The South Cone, point downwards (  $\nabla$  ), 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 (  $\nabla$  ), 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	"	"	"	"	"	"	"	"	"	"	0	"	c, 0	57	41	3.0	—
Newton Reigny (Penrith)	29.89	45	WSW 3	c	29.57	-.24	42	41	+2	SSW 1	ogd	"	og, cd, r	52	30	3.3	0.13
Bath	29.97	48	NW 2	bc	29.77		47	46		W 3	0	"	bc	58	41	5.4	—

## 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.	53	41	c, b	4.5	0.06	Worthing	*	*	*	6.6	*
Birmingham, 9 p.m.	55	41	0	1.3	—	Llandudno	*	*	*	?	*
Lowestoft, 6 p.m.	*	*	*	?	*	Rhyl	*	*	*	3.0	*
Hastings	*	*	*	5.1	*	Southport, 9 p.m.	49	43	cw	2.3	—
Eastbourne	*	*	*	5.3	*	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. F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal)	66	52	b, c	Ins.	Algiers	70	54	b, b	Ins.
Madrid	73	37	c, bc	—	Tunis	66	50	c, bc	—
Corsica (I. Sanguinaires)	57	46	f, f	—	Vienna	46	37	bc, r	0.08
Rome	62	41	0, 0	—	St. Petersburg	39	32	r, r	?
Florence	60	49	b, 0	—	Lugano	57	—	b	Measured 7 a.m.
Trieste	54	41	b, b	—	Davos	32	—	s	0.24
Brindisi	60	41	0, b	—	Lucerne	41	—	0	0.43
Naples	60	49	b, bc	—	Lausanne	37	—	s	0.04
Palermo	66	48	b, f	—					

## EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.  
\* 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)	5.25 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.

	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
MAR. 29 <sup>TH</sup> 1902			
Yarmouth	5.36	11.58	6.19
Greenwich	5.45	12.5	6.25
Wick	5.52	12.17	6.42
Valencia	6.26	12.46	7.6

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# DAILY WEATHER REPORT

for 8 a.m. on Sunday 30<sup>th</sup> March

1902

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

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS.				
		BAROM.		TEMP.		WIND.	BAROMETER.		TEMPERATURE.			WIND.		Sea (0 to 9.)	Weather.	TEMP.		Sun- shine. Hours	Rainfall. Ins.		
		At 32° and M.S.L.	Dry Bulb.	Dirac.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)			Max.	Min.				
																				Ins.	Ins.
SCANDINAVIA.	Haparanda ...	29.52	24	NE	2	0	29.53	-2.9	14	13	-10	W	2	b	*	0	32	18	*	0.08	
	Hernösand ...	29.76	7	E	5	0	29.39	-3.4	18	17	-5	Z	0	o	*	0	32	-6	*	-	
	Stockholm ...	29.61	28	Z	0	b	29.47	-3.5	33	32	+10	SE	4	s	*	b	34	16	*	-	
	Wisby ...	29.57	30	SSE	2	o	29.35	-5.0	32	31	+2	SE	4	s	*	o	37	23	*	0.12	
	Karlstad ...	29.43	33	SE	4	o	29.37	-4.2	31	31	+5	ENE	4	s	*	o	*	*	*	0.20	
	Färder (X'ania Fjord)	29.31	33	E	5	s	29.38	-3.5	30	30	-4	NNE	6	s	3	s	34	30	*	-	
	Bodö ...	29.52	27	E	4	b	29.52	-2.1	24	22	-3	ENE	4	s	?	b	?	?	*	-	
	Christiansund ...	29.27	38	Z	0	b	29.46	-0.2	35	33	+4	ENE	2	b	3	b	41	30	*	-	
Skudesnaes ...	29.21	38	S	4	o	29.44	-0.6	35	33	-2	NNW	7	r	2	o	41	32	*	*		
BRITISH ISLANDS.	Sumburgh Head	29.44	37	NW	6	o	29.65	+3.7	32	30	-8	N	3	b	4	c, o	43	28	*	0.03	
	Stornoway ...	29.77	40	N	5	o	29.91	+4.1	35	33	-3	NW	4	c	4	p, bc, o	47	30	5.8	0.03	
	Malin Head ...	29.78	44	NW	5	bc	29.90	+4.3	40	39	-8	SE	2	og	2	c, bc	48	34	*	0.02	
	Blacksod Pt. ...	29.87	47	N	3	c	29.81	+1.5	45	44	-5	SE	4	ofm	4	c	51	43	*	0.11	
	Valencia ...	29.90	50	WNW	2	omd	29.92	+1.3	52	52	0	SW	5	rm	5	f, omd	52	48	0.0	0.72	
	Roche's Point ...	29.86	52	NNW	2	o	29.91	+1.8	48	46	-4	SE	1	d	2	c, o	57	46	*	0.24	
	Parsonstown ...	29.84	49	NNW	3	o	29.86	+1.8	44	43	-5	SE	2	o	*	o, r	55	42	1.2	0.33	
	Donaghadee ...	29.77	45	N	4	bc	29.94	+3.6	40	39	-7	NW	2	c	2	bc	55	36	*	-	
Liverpool Obsy.	29.71	43	W	6	bc	29.94	+2.6	41	39	-5	WSW	1	o	1	p, bc	53	39	*	0.04		
Holyhead ...	29.77	45	NNW	4	c	29.96	+2.3	40	39	-5	WSW	1	dm	1	c	52	39	*	0.11		
Pembroke (St. Ann's)	29.78	48	W	5	o	29.90	+1.6	42	41	-5	SE	2	ogrm	4	o	49	40	0.0	0.40		
GERMANY, &c.	Scilly (St. Mary's)...	29.91	51	W	7	f	29.94	+1.0	50	50	0	W	6	m	5	f	53	50	0.0	0.02	
	Jersey (St. Aubins)...	29.88	51	W	5	ft	30.00	+0.2	49	48	-1	WSW	3	fd	3	ofr, fr	51	48	0.0	0.13	
	Portland Bill ...	29.76	49	WNW	4	bc	29.99	+1.1	43	43	-3	ENE	3	tm	2	o, bc	50	43	*	0.20	
	Dungeness ...	29.65	48	W	5	op	30.00	+1.3	39	38	-7	NNW	2	o	1	r, op	48	34	*	0.05	
	Wick ...	29.66	38	NNW	5	c	29.77	+4.4	35	33	-2	N	4	cu	3	c	45	30	*	0.05	
	Nairn ...	29.73	40	NW	2	c	29.87	+3.9	35	33	-3	NW	3	b	2	crs	45	32	*	0.06	
	Aberdeen ...	29.62	39	NW	6	bcgrsh	29.84	+3.7	36	32	-3	WNW	5	bc	3	p, bcgrsh	43	32	*	0.13	
	Leith ...	29.68	41	NW	1	b	29.89	+4.5	40	36	-5	WNW	1	bc	*	b	51	36	*	0.04	
North Shields ...	29.61	43	NW	3	c	29.90	+3.5	38	36	-6	W	2	c	3	nhq, c	55	32	*	0.03		
FRANCE.	Spurn Head ...	29.63	48	W	6	bc	29.89	+2.6	39	37	-5	WNW	4	bc	4	bc	52	36	*	-	
	Yarmouth ...	29.48	53	WNW	5	cq	29.89	+1.4	39	37	-5	WNW	4	bc	4	c, cq	53	35	*	0.01	
	Loughborough ...	29.63	52	WNW	5	bc	29.96	+2.2	36	35	-9	ESE	1	omur	*	p, c, qb, o	57	33	*	0.01	
	Oxford ...	29.75	51	NW	4	c	30.00	+2.0	40	38	-5	SW	2	o	*	r, o, c	56	37	*	0.07	
	London (Brixton)	29.64	55	NW	3	o	30.01	+1.8	40	38	-4	WNW	3	o	*	r, o	55	35	0.0	0.11	
	The Scaw (Skagen)	29.19	35	S	4	+	29.24	-5.4	35	35	+1	NNE	4	o	0	+	36	34	*	0.20	
	Fanö ...	29.19	36	WNW	6	+	29.40	-3.7	37	36	+1	WNW	9	c	*	+	39	34	*	0.55	
	Cuxhaven ...	29.38	43	SW	5	+	29.51	-3.5	40	38	+8	WNW	8	c	*	+	45	32	*	0.87	
SPAN. PEN.	The Helder ...	29.39	46	WSW	7	0	29.82	+0.3	41	36	-2	NNW	6	c	7	o	46	41	*	0.08	
	Brussels ...	*	*	*	*	*	29.98	+0.5	40	38	-1	WNW	2	o	*	o	50	36	*	0.04	
	Berlin ...	29.49	43	SSW	4	+	29.26	-7.1	39	37	+6	WNW	6	o	*	+	46	32	*	0.79	
	Frankfurt ...	29.52	47	SW	2	+	29.78	-2.1	42	37	-1	W	3	bc	*	+	50	41	*	0.28	
	Munich ...	29.79	44	SW	5	0	29.76	-2.8	37	34	-2	W	4	c	*	o	48	36	*	0.08	
	C. Gris Nez ...	29.62	46	SW	5	f	29.93	+0.4	39	37	-5	NNW	4	c	2	f	54	39	*	-	
	Brest ...	30.02	50	WNW	4	f	30.14	+0.9	50	50	0	WNW	4	f	4	f	50	48	*	0.08	
	Lorient ...	30.02	50	W	5	f	30.09	+0.1	49	49	-1	WNW	4	f	4	f	52	46	*	0.08	
Rochefort ...	30.06	53	W	5	f	30.19	+0.2	51	50	-1	W	5	f	*	f	54	48	*	0.16		
Biarritz ...	30.27	54	WSW	4	o	30.30	-0.4	52	52	0	W	4	f	3	o	57	52	*	0.12		
SPAN. PEN.	Paris ...	29.79	54	NW	3	0	30.01	-0.4	43	39	-3	NE	2	c	*	o	54	43	*	0.16	
	Belfort ...	29.82	47	WSW	6	+	29.89	-1.5	44	42	+1	W	6	+	*	+	52	43	*	0.24	
	Lyons ...	30.01	51	S	7	+	30.03	-1.3	50	47	0	NNW	1	+	*	+	62	49	*	0.35	
	Nice ...	29.84	54	SE	2	c	29.70	-2.4	48	47	-2	E	4	c	3	c	61	45	*	-	
Perpignan ...	30.07	63	NW	5	0	30.01	-1.5	62	54	+3	NW	8	c	*	o	67	59	*	-		
SPAN. PEN.	Corunna ...	30.34	57	WNW	1	bc	30.31	-0.2	52	50	+	WNW	1	f	3	bc	59	48	*	-	
	Lisbon ...	30.19	65	NNE	4	b	30.17	-0.2	64	56	+3	NNE	4	b	*	b	75	61	*	-	
	Azores (P. Delgada)	30.27	57	ENE	3	b	30.15	-1.9	57	54	+3	ENE	3	b	3	b	64	54	*	-	

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

\* Observations for this column not generally received.

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



# WEATHER CHARTS

FOR Sunday, 30<sup>th</sup> March, 1902

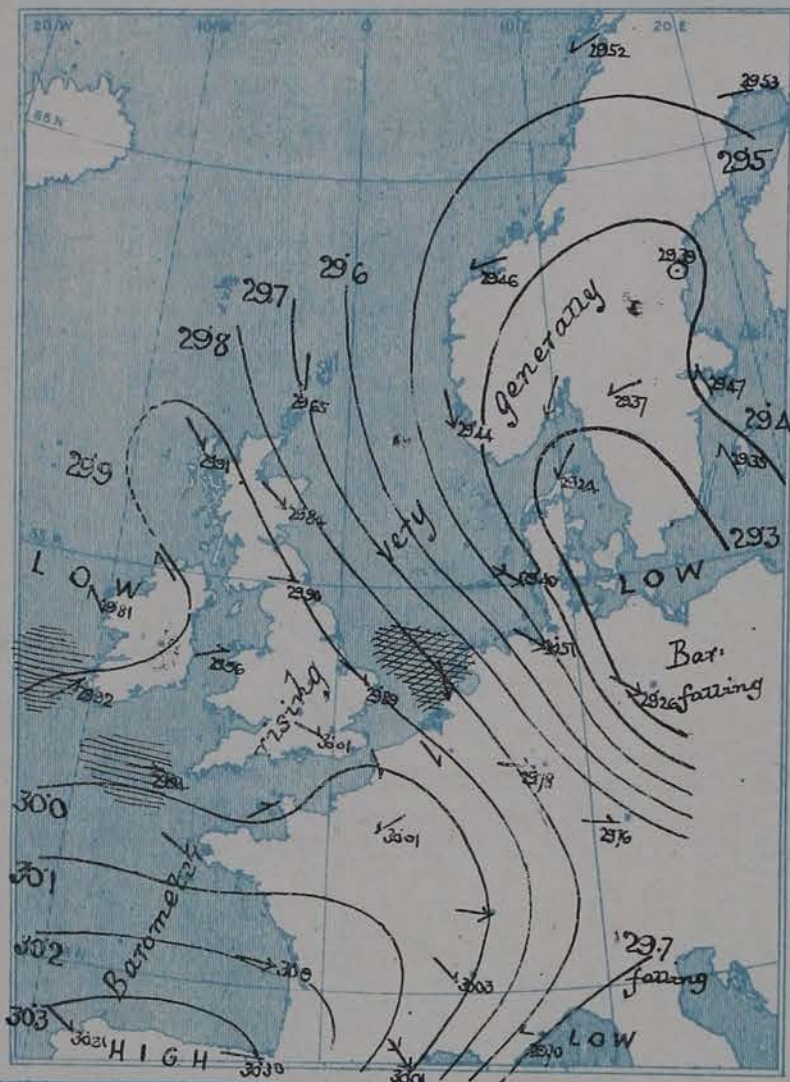
## I. BAROMETER, WIND AND SEA. This Morning.

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

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

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

SEA.—Rough : High

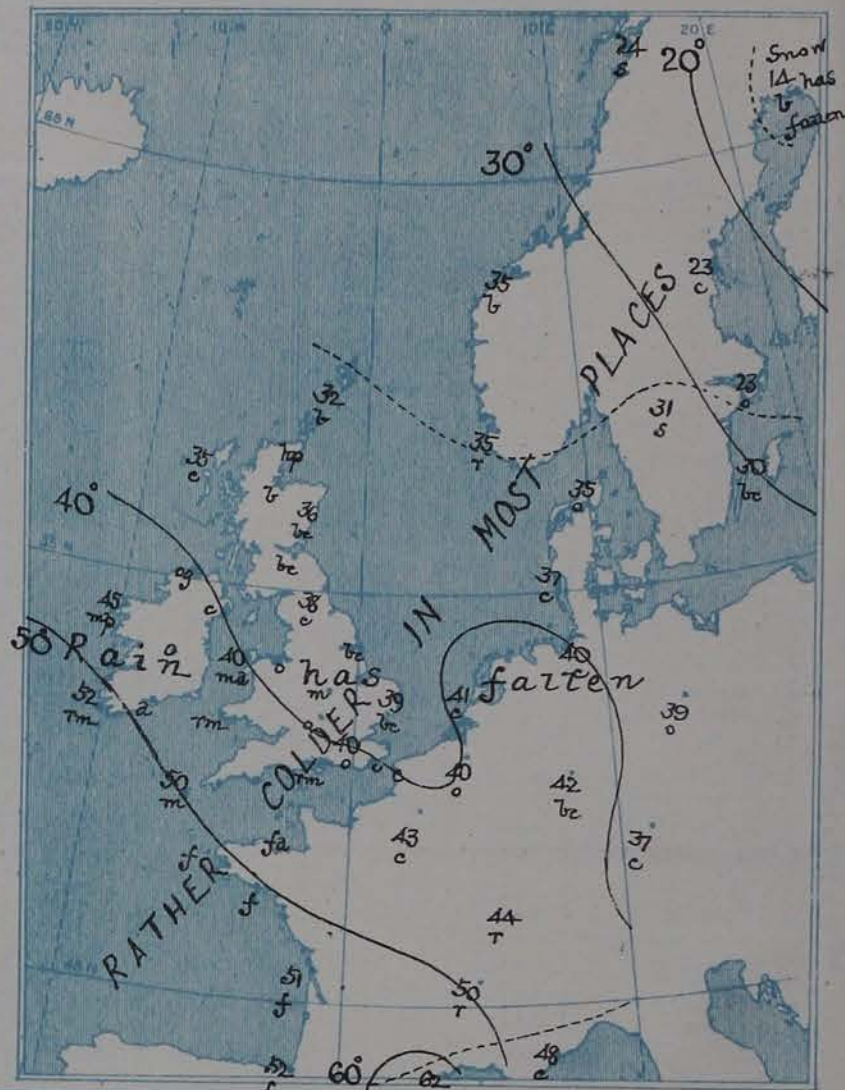


## II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

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

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



## III. BAROMETER AND WIND

Yesterday morning.



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

Specimen (RAINFALL 1.74 (for Shields) (RAIN DAYS 15)

Malin Head & Black s.d. Belmullet Values are for only 15 Yrs



## V. Means of DAILY TEMPERATURE

at 8 A.M. for the Two monthly period

MARCH APRIL (1871-1900.)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

The barometer is highest, 30.2 ins. and upwards, over the southern half of the Bay of Biscay and the northern part of the Spanish Peninsula, while the lowest readings, 29.3 ins. and less, are found in a disturbance which has reached Denmark and north Germany from the northwestward. Pressure is relatively low (1) 29.7 ins. over the Gulf of Genoa, (2) 29.8 ins. off the northwest of Ireland, and (3) 29.9 ins. in a small local disturbance near Pembroke. Gradients are rather steep over the North Sea and Germany. The barometer is rising in most places, but falling at Blackrod and changing very little at some of our southern stations.

### WIND

### TEMPERATURE

### WEATHER

### AND

### SEA

The wind is W<sup>4</sup> at most of our southern stations and NW<sup>4</sup> over the eastern half of Great Britain, the North Sea, Denmark, and northern Germany, but over Ireland and the western parts of England it is SE<sup>4</sup>. It blows freely or rather strongly at some of our own stations, and with the force of a gale on the eastern shores of the North Sea; a NW<sup>4</sup> gale also prevails at Perpignan. Temperature has fallen in nearly all places and is now below the mean over our Islands. In most parts of Scotland it is considerably below 40° and a little below that value in the east and centre of England; at Scilly, however, it is as high as 50° and at Valencia it is 52°. Over France the readings vary a good deal; at Perpignan the thermometer records 62°, at Paris 43°, and at C. Iris Neg 39°. Severe frost still prevails over the greater part of Scandinavia. The weather is cloudy or overcast in almost all regions. Steady rain or showers prevail in several of our own districts and fog in the western half of the English Channel and on the shores of the Bay of Biscay. Rain is also falling over the east of France and at Skudesnæs, and snow at Bodø and Fardes. The sea is high off the Dutch coasts, rather rough at Valencia and Scilly, moderate to smooth elsewhere.

Rain has fallen very generally, but the amounts are not, as a rule, large. At Cuthaven, however, there has been 0.9 ins., at Berlin 0.8 ins. and at Valencia 0.7 ins. The highest temperature recorded over our Islands, yesterday were 57° at Loughborough and Roches Point. A fresh gale from the northward was experienced at Wick during the night, and strong N<sup>4</sup> winds on our northeastern coasts generally. Very little bright sunshine was recorded, except in the extreme north.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

## FORECASTS \*

For the 24 hours ending at NOON on 31<sup>st</sup> March, 1902

### 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 3 p.m. yesterday to districts 0, 1, 2. "HOIST NORTH CONE"; at 9.30 a.m. today, "LOWER CONE"

*Note.*—The South Cone, point downwards (  $\nabla$  ), 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 (  $\nabla$  ), 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	54	39	0.5	-
Newton Reigny (Penrith)	*	*	*	*	*	*	*	*	*	*	*	*	*	0	54	35	0.0	0.14
Bath	29.98	46	SW 4	0	?	?	41	39	- 6	S 1	r	*	0	54	35	0.0	0.14	

## REPORTS FOR YESTERDAY.

STATIONS.	TEMPERATURE.		Weather.	Sunshine.	Rainfall.	STATIONS.	TEMPERATURE.		Weather.	Sunshine.	Rainfall.
	Max.	Min.					Max.	Min.			
Harrogate, 6 p.m.	53	39	c, p	2.6	0.03	Worthing	*	*	*	0.0	*
Birmingham, 9 p.m.	56	41	o, c	1.6	0.04	Llandudno	*	*	*	0.5	*
Lowestoft, 6 p.m.	*	*	*	*	*	Rhyl	*	*	*	*	*
Hastings	*	*	*	0.0	*	Southport, 9 p.m.	50	41	o, c, b, v	2.7	0.02
Eastbourne	*	*	*	*	*	Manchester, 9 p.m.	53	41	o, b	1.0	0.02
Brighton	*	*	*	*	*	Darwen, 9 p.m.	47	36	o, b	0.6	0.07

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

STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE. F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal) March 23	73	59	b, c, r	Ins. 0.04	Algiers	73	66	c	-
Madrid	75	44	o, b	-	Tunis	68	50	o	-
Corsica (I. Sanguinaires)	59	46	f	-	Vienna	48	39	r, o	0.12
Rome	65	50	c, o	-	St. Petersburg	37	32	r	0.16
Florence	63	44	b	-	Lugano	68	—	b	Measured 7 a.m.
Trieste	63	47	b, o	-	Davos	39	—	o	0.32
Brindisi	64	46	b	-	Lucerne	48	—	r	0.12
Naples	60	59	c, o	0.04	Lausanne	52	—	b, c	0.59
Palermo	71	49	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.

	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.

22. MAR. 1902	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
	h. m.	h. m.	h. m.
Yarmouth	5.36	11.58	6.19
Greenwich	5.45	12.5	6.25
Wick	5.52	12.17	6.42
Valencia	6.26	12.46	7.6

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

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

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

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

FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **5s. 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 31<sup>st</sup> March 1902

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

STATIONS.		YESTERDAY EVENING. (See note on last page.)					THIS MORNING. (See note on last page.)										PAST 24 HOURS			
		Barom.	Temp.	Wind			Barometer.	Temperature.	Wind.								Temp.			
		At 32° and M.S.L.	Dry Bulb.	Dirac	Force (0 to 12.)	Weather.	At 32° Fabr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dirac.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Max.	Min.	Sun- shine. Hours	Rainfall Ins.
		Ins.					Ins.	Ins.	°	°										
SCANDINAVIA.	Haparanda ...	29.74	12	S	2	o	29.81	+28	9	9	-5	Z	0	f	*	o	25	9	*	-
	Hernösand ...	29.77	22	Z	0	bc	29.83	+44	14	16	-1	Z	0	f	*	bc	34	16	*	-
	Stockholm ...	29.67	30	E	4	o	29.77	+30	27	24	-6	NE	4	o	*	o	36	25	*	-
	Wisby ...	29.47	32	E	8	o	29.62	+27	29	27	-3	ENE	6	o	*	o	36	27	*	-
	Karlstad ...	29.92	32	NE	2	o	29.83	+46	27	26	-4	NE	2	b	*	o	*	*	*	0.08
	Færder (X'ania Fjord) ...	29.67	34	N	4	o	29.84	+46	31	29	+1	NE	2	o	2	o	34	30	*	0.04
	Bodö ...	29.67	27	E	2	s	29.80	+28	27	24	+3	E	4	s	1	s	28	19	*	-
	Christiansund ...	29.80	34	Z	0	b	29.62	+36	32	30	-3	ESE	3	bc	4	b	37	30	*	-
	Skudesnaes ...	29.70	36	NNW	2	b	29.79	+35	36	34	+1	S	6	c	3	b	39	34	*	-
	Sumburgh Head ...	29.79	39	NE	3	c	29.60	-05	37	36	+5	ESE	4	o	5	c	42	31	*	0.07
BRITISH ISLANDS.	Stornoway ...	29.81	39	ESE	3	o	29.43	-48	44	42	+9	W	6	o	6	c, o	45	34	6.5	0.08
	Malin Head ...	29.76	42	SE	4	+	29.67	-23	47	45	+7	W	5	bc	4	o, r	47	40	*	0.02
	Blacksod Pt. ...	29.81	51	W	5	opm	29.82	+01	49	47	+4	W	4	bc	4	r, opm	51	44	*	0.04
	Valencia ...	29.97	53	WSW	5	omg	29.93	+01	52	52	0	SSW	3	om	5	omg	54	49	0.0	0.07
	Roche's Point ...	29.91	56	W	3	c	29.95	+04	50	48	+2	SW	1	bc	2	c	59	45	*	0.06
	Parsonstown ...	29.85	52	SW	2	o	29.88	+02	50	47	+6	W	3	o	*	od	54	43	0.0	0.08
	Donaghadee ...	29.87	42	S	2	og	29.79	-15	48	45	+8	SSW	2	bc	2	og	55	38	*	0.03
	Liverpool Obsy. ...	29.91	42	NW	1	o	29.84	-10	47	45	+6	WSW	5	c	4	o, p	49	41	*	0.05
	Holyhead ...	29.89	44	S	1	opd	29.87	-09	49	47	+9	W	3	c	2	r, opd	49	39	*	0.07
	Pembroke (St. Ann's) ...	29.90	47	SSW	4	f	29.93	+03	47	45	+5	W	4	cgw	4	f	48	41	0.0	0.01
GERMANY, &c.	Scilly (St. Mary's) ...	30.00	51	W	5	of	30.02	+08	50	49	0	WNW	5	o	4	of	53	48	0.0	0.03
	Jersey (St. Aubins) ...	29.98	50	W	4	f	30.04	+04	50	48	+1	WNW	4	om	3	of	51	48	0.0	0.27
	Portland Bill ...	29.94	45	E	2	f	29.97	-02	47	47	+4	W	4	c	3	f	47	43	*	0.10
	Dungeness ...	29.96	43	W	3	o	29.92	-08	45	45	+6	WSW	4	f	2	o	45	29	*	-
	Wick ...	29.85	40	E	1	o	29.48	-29	41	40	+6	S	2	c	1	o	43	33	*	0.10
	Nairn ...	29.85	40	WNW	1	b	29.53	-34	43	42	+8	WNW	1	o	1	b	47	33	*	0.04
	Aberdeen ...	29.87	38	NNW	1	bc	29.60	-24	42	39	+6	SW	3	bc	1	bc	42	34	9.3	0.01
	Leith ...	29.86	44	E	1	c	29.63	-26	46	46	+8	WSW	2	c	*	c	50	37	*	0.01
	North Shields ...	29.88	40	N	2	c	29.73	-17	39	38	+1	SW	3	o	3	c	44	35	*	-
	Spurn Head ...	29.88	46	NE	3	bc	29.79	-10	42	42	+3	WSW	2	o	4	bc	50	37	*	-
FRANCE.	Yarmouth ...	29.87	42	ESE	3	bc	29.83	-06	43	42	+4	SSW	3	cm	4	bc	47	37	*	-
	Loughborough ...	29.90	47	W	2	c	29.85	-11	49	47	+13	W	2	c	*	om, c, op	50	36	*	0.01
	Oxford ...	29.95	44	SW	2	o	29.90	-10	48	47	+8	SW	2	ot	*	o	48	40	*	0.04
	London (Brixton) ...	29.93	44	SW	1	o	29.90	-11	48	47	+8	WSW	2	o	*	d, o	48	40	0.0	0.05
	The Scaw (Skagen) ...	29.83	34	ENE	5	s	29.78	+54	32	31	-3	ENE	3	c	1	s	36	30	*	0.04
	Fanö ...	29.75	34	WNW	3	b	29.85	+46	23	33	-4	Z	0	c	*	b	39	32	*	0.08
	Cuxhaven ...	29.67	38	NW	8	bc	29.84	+33	36	34	-4	NNW	3	c	*	bc	41	36	*	0.04
	The Helder ...	29.87	39	NW	4	bc	29.89	+07	41	38	0	WNW	1	o	1	bc	43	39	*	-
	Brussels ...	*	*	*	*	*	29.97	-01	41	40	+1	SW	2	o	*	bc	49	34	*	-
	Berlin ...	29.50	37	NW	7	o	29.67	+41	35	34	-4	NW	3	s	*	o	45	32	*	0.08
SPAN. PEN.	Frankfurt ...	29.87	42	NW	4	bc	29.95	+17	33	35	-4	W	2	o	*	bc	48	37	*	-
	Munich ...	29.85	37	W	5	b	29.95	+19	34	31	-3	W	5	c	*	b	43	30	*	-
	C. Gris Nez ...	29.94	41	SSW	2	o	29.93	-00	43	43	+4	SW	3	f	3	o	54	39	*	-
	Brest ...	30.11	48	W	3	f	30.11	-04	48	48	-2	NW	3	f	3	f	50	48	*	0.04
	Lorient ...	30.11	50	WNW	5	f	30.11	+02	48	48	-1	WNW	4	c	4	f	52	46	*	-
	Rochefort ...	30.11	52	W	5	o	30.13	+01	50	50	-1	NW	4	f	*	o	54	48	*	0.20
	Biarritz ...	30.27	54	W	4	o	30.25	-05	52	50	0	W	3	o	2	o	55	50	*	-
	Paris ...	29.98	43	?	1	o	30.02	+01	45	45	+2	S	1	o	*	o	46	42	*	0.08
	Belfort ...	29.95	36	W	5	+	30.01	+12	37	37	-7	W	2	o	*	+	49	35	*	0.04
	Lyons ...	30.01	44	SE	1	+	30.06	+03	47	?	-3	WNW	1	+	*	+	55	43	*	0.39
SPAN. PEN.	Nice ...	29.63	53	Z	0	bc	29.66	-04	59	51	+11	Z	0	bc	2	bc	64	48	*	-
	Perpignan ...	29.99	64	NW	5	o	30.02	+01	60	53	-2	NW	6	b	*	o	72	57	*	-
SPAN. PEN.	Corunna ...	30.30	55	NW	3	bc	30.07	-24	45	43	-7	N	1	f	3	bc	54	41	*	-
	Lisbon ...	30.03	73	NNE	4	b	29.93	-24	65	58	+1	NNE	4	b	*	b	81	63	*	-
SPAN. PEN.	Azores (P. Delgada) ...	? 30.00	58	ENE	3	m	29.90	-25	58	56	+1	NE	1	o	3	m	66	57	*	-

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

\* Observations for this column not generally received.

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



# WEATHER CHARTS

FOR Monday, 31<sup>st</sup> MARCH, 1902

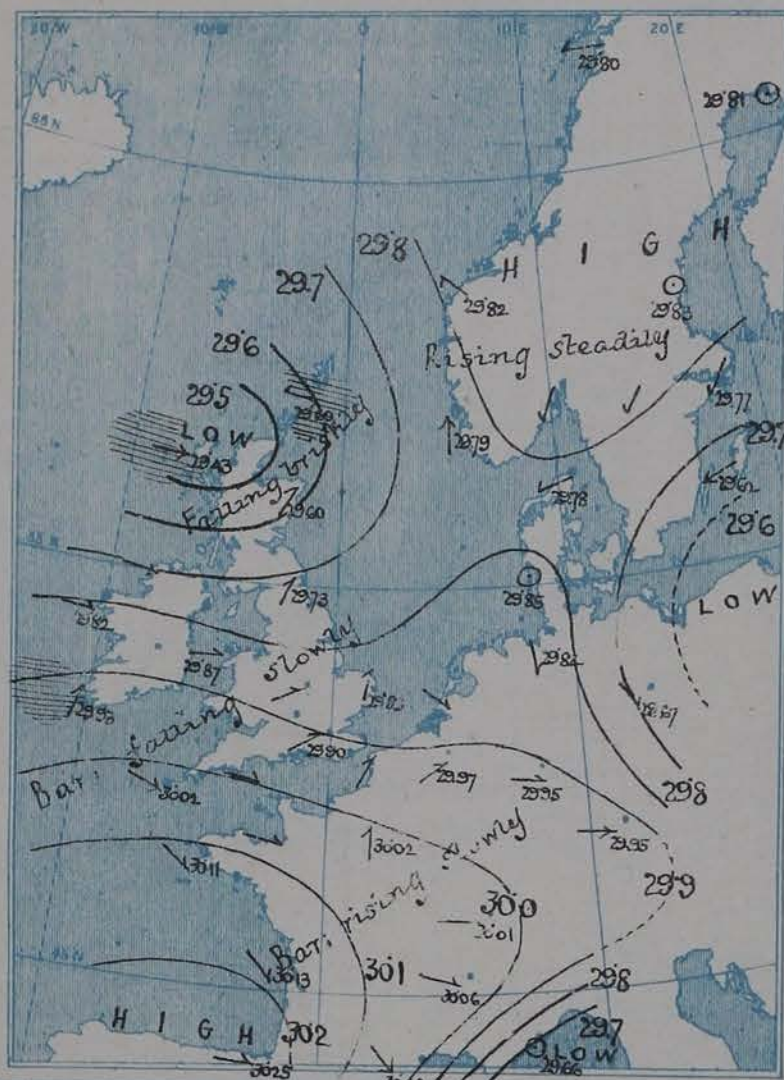
## I. BAROMETER, WIND AND SEA. This Morning.

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

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

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

SEA.—Rough : High

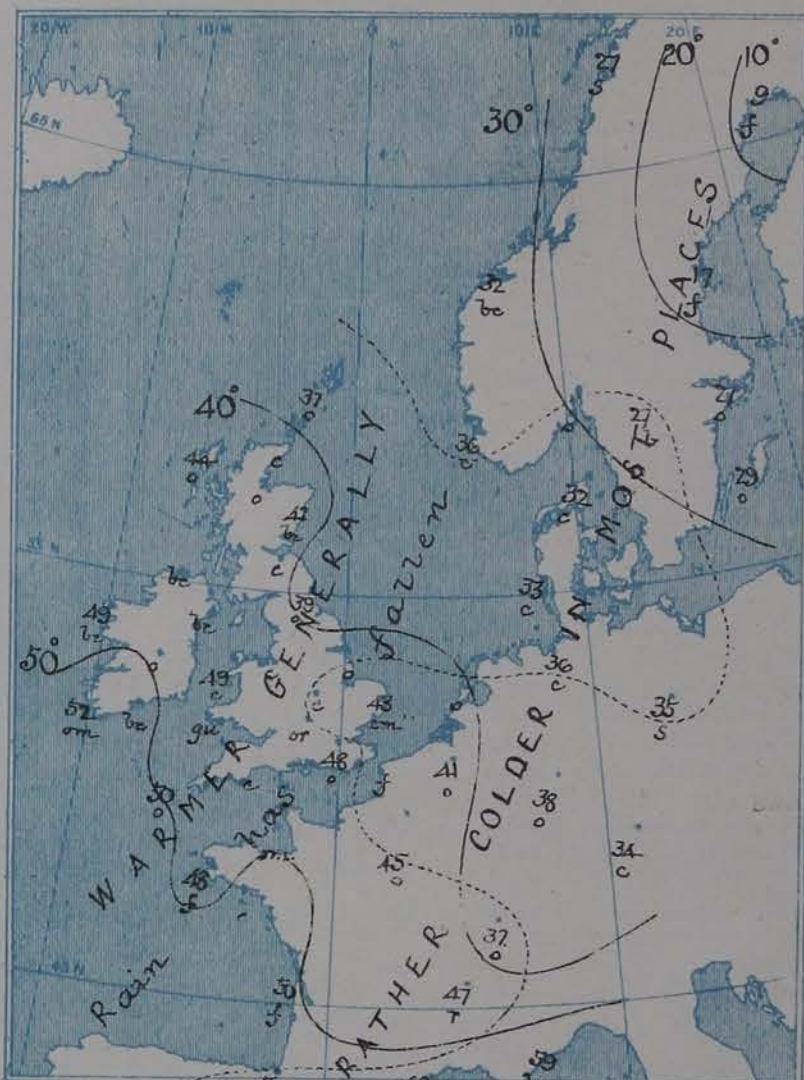


## II. TEMPERATURE AND WEATHER. This Morning.

TEMPERATURE.—Isotherms are drawn for each 10°.

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

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



## III. BAROMETER AND WIND

Yesterday morning.



## IV. Average RAINFALL and NUMBER OF RAIN DAYS

in month of MARCH (1871-1900)

Specimen { RAINFALL 1.74  
(for Shields) { RAIN DAYS 15

Malin Head & Black s.d. Beinn Milet Values are for only 15 Yrs



## V. Means of DAILY TEMPERATURE

at 8 A.M. for the Two monthly period

MARCH APRIL (1871-1900.)





## GENERAL SITUATION AT 8 A.M.

### PRESSURE

Barometrical pressure is still highest, 30.2 inches and upwards, in an anticyclone lying over Spain and the South West of France, but is somewhat high, 29.8 inches and upwards, and rising steadily, over Scandinavia. The lowest readings, 29.5 inches and less, are found in a cyclonic area which has appeared off the North of Scotland, but pressure is also low, 29.6 inches and less in another disturbance over the Baltic. The former depression is occasioning a brisk fall of the barometer on our Northern coasts, and the gradient over Scotland, though at present slight, is increasing.

### WIND

The wind is Westerly or South Westerly over the greater part of the United Kingdom, -light or moderate in force in most districts, but fresh at some of our North Western stations, and strong at Stornoway; in the Shetlands and the West of Norway the wind is South Easterly or Easterly. North Easterly breezes are reported in the South of Sweden, and North Westerly breezes in North Germany, as well as in the West and South of France.

### TEMPERATURE

Temperature has risen decidedly over the greater part of the United Kingdom, and is now above the average on all but our extreme North and North East coasts, the readings being above 45° in most of the Western, Central and Southern districts and as high as 50° or slightly above it on our South West coasts.

### WEATHER

At most of the Continental Stations the thermometer has fallen, and in Germany and the East of France the readings are below 40°; frost prevails in Scandinavia, the lowest readings reported being 9° at Haparanda and 17° at Hérnösand.

### AND

The weather is cloudy or dull over Western Europe as a whole, with fog in the Straits of Dover and on the North and West coasts of France, as well as in the Gulf of Bothnia; rain is falling at Oxford and Lyons, and snow at Bodö and Berlin.

### SEA

The sea is rather rough on our extreme Western and Northern coasts, but moderate or slight elsewhere.

During yesterday the thermometer rose to 50° or slightly above it at several of our Western and Northern stations and to 59° at Roches Point. The amount of Bright Sunshine was very small over England and Ireland (at the majority of stations there was none) but larger in Scotland, more than 9 hours being registered at Aberdeen. Rain fell in most parts of Western Europe, but not in any great quantity.

### PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The cyclonic disturbance off the North of Scotland is likely to occasion a considerable increase of wind from the Westward on our extreme North West coasts. Small secondary systems will probably advance over Ireland and England, and a renewal of showery weather is therefore anticipated within the ensuing 24 hours.

## FORECASTS \*

For the 24 hours ending at NOON on 1<sup>st</sup> April, 1902

### DISTRICTS.

### FORECASTS.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	W <sup>ly</sup> winds. Strong in places; dull, unsettled. Some rain.
1	SCOTLAND EAST	W <sup>ly</sup> and SW <sup>ly</sup> winds freshening; fair at first, some rain later.
2	ENGLAND N.E.	SW <sup>ly</sup> winds, light or moderate; fair during greater part of day, some rain tomorrow.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

6	SCOTLAND WEST	W <sup>ly</sup> winds, increasing in force; fair at first, some rain later.
7	ENGLAND N.W.	Same as No. 1.
8	ENGLAND S.W.	W <sup>ly</sup> to SW <sup>ly</sup> winds freshening; fair at first, some rain later.
9	IRELAND NORTH	Same as No. 6.
10	IRELAND SOUTH	SW <sup>ly</sup> to W <sup>ly</sup> winds, freshening; dull, some rain.

### WARNINGS

At 9.50 am. to districts 6, 4 part of 0 and 9.  
"Hoist South Cone"

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

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



# ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

TELEGRAPHIC REPORTS TO-DAY.	YESTERDAY 6 P.M.				THIS MORNING 8 A.M.							PAST 24 HOURS.						
	Bar. Ins.	Temp. °	Wind.	Weather.	Barometer.		Temperature.			Wind.	Weather.	Sea.	Weather.	Temperature.		Sun- shine. Hrs.	Rainfall Ins.	
					Ins.	Change.	Dry.	Wet. °	Change.					Max.	Min.			
Clacton on Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	C	48	38	2.2	0.01
Newton Reigny (Penrith)	29.88	42	20	0	29.74		48	44		W 3	C	*	0	48	36	3.5	0.01	
Bath																		

## 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	32	C	5.9	—	Worthing	*	*	*	0.2	*
Birmingham, 9 p.m.	45	37	0	0.0	—	Llandudno	*	*	*	0.4	*
Lowestoft, 6 p.m.	*	*	*	0.0	*	Rhyl	*	*	*	3.0	*
Hastings	*	*	*	0.0	*	Southport, 9 p.m.	46	35	C, O, V	1.4	—
Eastbourne	*	*	*	0.0	*	Manchester, 9 p.m.					
Brighton	*	*	*	?	*	Darwen, 9 p.m.	46	31	cm	2.5	—

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

STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.	STATIONS.	TEMPERATURE, F.		WEATHER.	RAIN.
	Max.	Min.				Max.	Min.		
Madeira (Funchal)				ins.	Algiers				Ins.
Madrid					Tunis			Information not arrived.	
Corsica (I. Sanguinaires)					Vienna				
Rome					St. Petersburg				
Florence			Information not arrived.		Lugano	68	—	6	Measured 7 a.m.
Trieste					Davos	39	—	8	0.32
Brindisi					Lucerne	50	—	7	0.20
Naples					Lausanne	50	—	0	0.47
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.	Corres- ponding Greenwich Times.	Hours of Evening Observations by Local Standard.	Corres- ponding Greenwich Times.
British Isles, Belgium, Holland	8 a.m. (West European)	8 a.m.	6 p.m. (W.E.T.)†	6 p.m.
Germany, Denmark, Norway, Sweden	8 a.m. (Mid-European)	7 a.m.	8 p.m. (M.E.T.)	7 p.m.
France	7 a.m. (Paris)	6.51 a.m.	6 p.m. (Paris)	5.51 p.m.
Spain	9 a.m. (San Fernando)	9.25 a.m.	6 p.m. (San Fernando)	6.25 p.m.
Portugal	8 a.m. (Lisbon)	8.36 a.m.		

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

	Sunrise G.M.T.	Noon G.M.T.	Sunset G.M.T.
March 31, 1902			
Yarmouth	5.32	11.57	6.22
Greenwich	5.40	12.4	6.28
Wick	5.45	12.16	6.48
Valencia	6.21	12.45	7.9

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.



# 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).	Temp.	Max.	Min.	Sun- shine.	Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.			At 82° Fabr. and M.S.L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.								
		Ins.	°				Ins.	Ins.	°	°	°								Hours.	Ins.
1	Corunna	29.37	59	SSE	2	bc	29.50	+0.13	50	48	+2	SSE	1	o	3	bc	59	45	-	-
"	A Delgada	30.07	52	NNW	3	bc	30.04	+0.12	52	48	+2	N	3	bc	3	bc	57	50	-	-
2	The Helder	29.56	38	ENE	1	bc	29.87	+0.31	36	?	-4	E	1	f	1	bc	41	36	-	-
"	Brussels	?	?	?	?	-	29.91	+0.29	37	?	-2	S	1	f	1	bc	52	33	-	-
"	Corunna	?	50	?	2	r	30.01	+0.51	48	46	-2	SW	2	o	6	r	52	45	-	0.35
"	Newton Reigny	29.62	44	Z	0	c	29.76	+0.14	40	40	+3	SSE	1	c	-	om, cr	50	35	0.7	0.33
3	Corunna	30.08	55	SW	1	bc	30.05	+0.04	46	43	-2	S	1	bc	3	bc	55	41	-	-
4	A Delgada	29.98	55	NNW	4	bc	29.85	-0.13	58	53	+5	NW	4	c	5	bc	59	54	-	-
5	Corunna	29.65	59	SSE	1	bc	29.65	?	54	50	?	SSE	1	o	3	bc	61	48	-	-
"	A Delgada	29.93	55	NNW	4	o	29.98	+0.13	53	50	-3	N	4	bc	3	o	61	52	-	0.08
6	Corunna	29.67	64	SSE	1	c	29.57	-0.10	46	43	-3	ESE	1	c	4	c	66	?	-	-
"	Lisbon	29.70	53	NE	3	bc	29.72	+0.02	52	51	-1	N	3	o	-	bc	59	50	-	-
"	A Delgada	30.06	54	NNE	4	bc	30.06	+0.08	54	49	+5	NW	2	c	2	bc	61	52	-	-
7	Corunna	29.75	57	NNW	1	bc	29.76	+0.01	45	43	-2	NE	1	f	2	bc	66	41	-	-
"	A Delgada	29.95	56	WNW	4	r	29.97	-0.02	54	50	-4	NNW	4	r	2	r	61	52	-	0.32
8	Corunna	29.80	57	N	3	c	30.04	+0.24	50	48	+2	NNE	1	c	4	c	57	45	-	-
"	A Delgada	30.10	55	NE	4	bc	30.17	+0.07	56	53	+3	NE	4	c	4	bc	57	52	-	0.04
9	Newton Reigny	29.64	46	W	7	r	29.69	+0.05	44	41	+3	WNW	4	c	-	ogr, gc	47	41	2.0	0.10
10	Corunna	30.04	52	NE	1	bc	30.00	-0.04	43	41	-2	ENE	1	f	5	bc	55	37	-	-
"	Lisbon	30.01	56	NNW	4	bc	29.96	-0.05	55	50	+5	N	1	bc	-	bc	63	51	-	-
"	A Delgada	30.14	55	Z	0	bc	30.08	-0.06	57	55	+2	SSW	4	bc	4	bc	64	53	-	-
11	Corunna	29.95	57	NE	2	bc	29.88	-0.07	47	45	-2	NE	1	f	3	bc	59	43	-	-
"	Lisbon	29.95	54	WNW	3	bc	30.00	+0.05	54	51	-3	Z	0	o	-	bc	63	52	-	-
"	A Delgada	30.13	53	NNW	4	c	30.25	+0.12	49	44	-5	NNW	3	bc	3	c	61	48	-	-
12	Corunna	29.91	61	SW	3	bc	30.04	+0.13	52	50	+2	W	1	bc	3	bc	63	47	-	-
"	Lisbon	30.04	55	WSW	2	o	30.03	-0.01	53	49	-4	NNE	1	bc	-	bc	57	50	-	-
13	Corunna	30.07	55	NW	3	bc	30.15	+0.08	51	50	-1	NNW	2	f	3	bc	55	46	-	0.01
"	A Delgada	30.32	57	SSW	4	o	30.21	-0.11	58	54	+4	SSW	5	c	5	o	59	53	-	-
14	Corunna	30.18	55	NNW	3	bc	30.27	+0.09	48	45	-3	NNW	3	o	5	bc	57	43	-	-
"	Lisbon	30.18	54	NNW	6	bc	30.25	+0.07	54	50	-4	NNE	3	bc	-	bc	61	50	-	-
"	A Delgada	30.18	59	S	5	c	30.10	-0.08	59	55	+4	SSE	5	o	6	c	63	58	-	-
16	Newton Reigny	29.84	43	W	7	bc	30.09	+0.25	41	40	+1	NW	1	bc	-	op, r, h	48	35	6.0	0.02
15	Corunna	30.23	58	NNW	3	o	30.32	+0.09	54	53	+1	WSW	3	f	5	o	61	48	-	-
"	A Delgada	30.05	59	SSE	5	o	30.01	-0.04	59	56	-3	SE	5	m	6	o	63	59	-	-
17	Corunna	30.38	59	WNW	3	o	30.35	-0.03	48	46	-2	NNE	1	m	3	o	59	43	-	-
"	A Delgada	30.11	59	ENE	4	bc	30.10	+0.01	59	55	-4	E	3	m	4	bc	64	57	-	-
18	Corunna	30.26	62	NNE	3	bc	30.15	-0.11	51	48	-3	ENE	1	f	5	bc	62	46	-	-
"	A Delgada	30.19	60	ESE	3	m	30.23	+0.04	57	55	-2	Z	0	m	3	m	64	55	-	-
19	Corunna	30.01	58	?	3	bc	29.88	-0.13	52	48	-4	SSW	1	o	3	bc	63	46	-	-
20	Corunna	29.91	54	SSE	1	bc	29.95	+0.04	46	43	-3	ENE	1	f	5	bc	63	41	-	-
"	Lisbon	30.04	52	W	4	bc	29.98	-0.06	?	49	?	SSE	2	bc	-	bc	57	48	-	0.39
21	Corunna	29.95	57	WNW	3	o	29.76	-0.19	48	46	-2	WNW	2	r	6	o	61	45	-	0.08
22	Corunna	29.73	50	NNW	4	o	29.65	-0.08	45	42	-3	SW	3	o	6	o	50	41	-	0.12
"	Lisbon	29.92	50	WNW	4	bc	29.89	-0.03	50	47	-3	NW	4	c	-	bc	59	48	-	0.04
23	Newton Reigny	29.21	36	S	2	bc	29.32	+0.11	37	36	-1	W	3	c	-	bc, r	45	32	9.6	0.14
"	Bath	29.41	?	W	2	c	29.45	+0.04	41	38	-3	W	3	bc	-	c	48	29	5.4	-
24	Biarritz	29.84	48	W	5	o	29.95	+0.11	45	?	-1	WSW	7	r	5	o	52	39	-	0.43
"	Nice	29.54	48	SW	1	c	29.67	+0.13	42	?	-4	SE	4	bc	4	c	54	39	-	-
"	Corunna	29.81	48	NW	6	o	30.05	+0.24	47	46	-1	WSW	3	f	7	o	50	43	-	0.24
26	Corunna	30.24	55	SW	5	o	30.28	+0.04	?	53	?	W	?	f	3	o	59	50	-	0.08
"	Bath	29.83	?	W	4	c	29.99	+0.16	43	40	-3	SW	3	bc	-	c	49	31	8.5	-
27	Corunna	30.39	58	WNW	3	?	30.43	+0.04	54	51	-3	WNW	3	o	3	?	59	48	-	-
"	Lisbon	30.32	55	N	4	bc	30.31	-0.01	59	53	+6	NNE	5	bc	-	bc	66	55	-	-
"	A Delgada	30.40	59	S	5	bc	30.38	+0.02	59	53	-6	S	5	o	5	bc	64	57	-	-
28	Bath (Jam)	-	-	-	-	-	29.96	?	50	47	-3	W	1	c	-	bc	57	43	7.9	-
29	Corunna	30.38	57	WNW	1	bc	29.35	?	50	43	-7	WNW	1	f	3	bc	59	46	-	-
"	Lisbon	30.20	57	N	5	bc	30.19	-0.01	61	51	-10	NNE	5	bc	-	bc	72	54	-	-
"	A Delgada	30.40	58	E	3	o	30.34	-0.06	54	52	-2	NNE	2	bc	-	bc	63	51	-	-
30	Newton Reigny	29.68	41	NW	1	bc	29.89	+0.21	41	37	-4	NW	2	bc	-	cp, d	52	28	4.0	0.06



