METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS

1ST JANUARY TO 30TH JUNE, 1899.

DAILY WEATHER REPORT.

January to June 1899.

DAILY WEATHER REPORT

for 8 a.m. on WEDNESDAY MARCH 1ST 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of 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 Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.38	19	N	6	b	29.65	−.03	15	14	−4	N	4	o	*	b	*	28	4	0.024
	Hernösand ...														*		*			
	Stockholm ...	29.71	38	W	4	d	29.93	−.16	33	28	+1	NNW	6	b	*	d	*	48	32	—
	Wisby	29.81	36	W	6	o	29.90	−.26	36	33	+1	N	8	be	*	o	*	34	30	—
	Karlstad ...	29.80	41	WNW	6	o	30.08	−.04	32	30	+4	NW	2	b	*	o	*	*	*	—
	Bodö	29.70	30	N	5	b	29.98	+.34	24	23	−15	NW	4	c	2	b	*	39	21	—
	Christiansund ...	29.97	40	W	6	+	30.14	+.19	34	33	−9	WNW	2	d	5	+	*	45	32	0.12
	Skudesnaes ...	30.15	43	NW	4	+	30.14	−.15	41	41	+2	NNW	2	o	1	+	*	48	36	*
	Færder (Christiania Fjord)	29.94	38	WSW	5	be	30.08	−.12	38	35	+3	W	1	b	3	be	*	41	35	—
	Skagen (The Scaw)	30.02	40	WNW	6	m	30.09	−.18	39	38	+1	NW	2	be	0	m	*	43	36	—
	Fanö	30.26	41	W	6	b	30.23	−.27	43	42	+5	N	6	o	*	b	*	48	34	—
British Islands	Sumburgh Head	30.16	46	W	3	+	30.13	−.03	47	46	+3	W	4	o	5	+	*	47	44	0.13
	Stornoway ...	30.29	49	WSW	3	o	30.30	+.04	50	49	+3	WSW	3	o	3	0.1	0.1	52	44	—
	Wick	30.25	50	W	4	c	30.26	−.01	50	49	+8	W	2	c	1	c	*	53	40	—
	Nairn	30.34	48	W	2	be	30.35	0.0	53	50	+10	W	2	c	1	be	*	53	41	0.01
	Aberdeen ...	30.34	49	W	3	c	30.35	−.02	53	48	+14	SSW	3	c	2	ogwb.c	0.0	52	38	0.01
	Leith	30.45	44	W	3	o	30.48	0.0	49	47	+11	WSW	3	om	*	o	*	51	34	—
	Shields ...	30.48	48	SW	3	o	30.49	−.04	47	46	+14	W	4	o	2	f.b.oq	*	53	31	—
	Spurn Head ...	30.56	42	WNW	2	fco	30.52	−.04	45	44	+10	W	5	c	3	f.m.co	*	47	35	0.01
	York	30.56	45	W	2	b	30.57	−.02	41	40	+11	W	1	o	*	b.f	7.5	51	30	0.05
	Loughborough ...	30.61	44	W	1	be	30.63	−.03	41	39	+20	W	1	c	*	b.bc.of	*	53	21	0.01
	Ardrossan ...	30.51	45	S	3	o f	30.55	+.05	47	46	+3	SW	3	o	2	o.of	*	47	42	0.05
	Malin Head ...	30.49	48	WSW	4	+	30.52	+.11	45	44	+3	WSW	4	c	2	cf	*	48	42	0.01
	Belmullet ...	30.56	50	WSW	4	o	30.61	+.12	48	47	o	WSW	4	b	*	o	*	50	45	0.03
	Donaghadee ...	30.52	47	SW	3	o f	30.60	+.05	44	44	+9	WSW	5	c	3	o f	*	50	34	0.07
	Liverpool (Bidston)	30.64	44	W	2	b	30.66	+.01	43	41	+8	WSW	3	be	3	bm	*	49	35	—
	Holyhead ...	30.64	46	SW	4	c	30.67	+.06	48	42	−2	SW	1	bem	0	be.c	*	50	40	—
	Parsonstown ...	30.63	50	SW	1	c	30.70	+.11	29	28	−6	S	1	b	*	c	8.3	51	28	—
	Valencia ...	30.64	49	SSE	2	b	30.71	+.12	44	42	−3	SE	3	b	3	be.b	8.4	53	41	—
	Roche's Point ...	30.68	53	SW	3	b	30.74	+.12	37	37	−9	N	1	f	3	b	*	55	44	—
	Pembroke (St. Ann's Hd.)	30.69	47	SW	3	b	30.72	+.07	45	44	+2	W	2	b	3	b	9.4	49	43	—
	Scilly	30.69	47	E	2	b	30.71	+.10	47	44	0	ESE	1	bm	0	b	10.0	52	41	—
	Prawle Point ...	30.71	42	SE	1	b	30.74	+.04	43	37	+4	NW	2	b	1	b	*	49	37	—
	Jersey (St. Aubin's)	30.69	49	ENE	3	bm	30.74	+.06	32	32	−8	SE	2	bmw	2	be.bm	*	52	29	—
	Hurst Castle ...	30.69	40	WSW	1	f	30.70	0.0	35	34	+7	W	1	bm	1	b	*	44	28	—
	Dungeness ...	30.64	44	WSW	3	fc	30.64	−.04	38	36	+8	WSW	3	c	2	b.c	*	48	26	—
Germany & Holland	North Foreland																*			
	London (Brixton) ...	30.68	40	SW	2	bf	30.66	−.04	35	32	+11	SW	2	c	*	bf.b	1.2	48	23	—
	Oxford	30.68	40	WSW	1	b	30.69	−.02	33	31	+8	WSW	3	be	*	b	*	52	24	—
	Cambridge ...	30.64	43	SW	1	b	30.64	−.06	38	36	+16	W	1	o	*	b	7.3	54	21	0.02
	Yarmouth ...	30.57	45	W	3	b	30.54	−.09	43	41	+11	W	3	em	3	b	*	49	30	—
	Cuxhaven ...	30.43	40	WSW	4	be	30.28	−.26	42	41	+6	WNW	4	o	*	be	*	42	36	—
	Berlin	30.40	33	WNW	5	o	30.19	−.30	38	34	+14	WNW	5	+	*	o	*	38	33	0.12
	Wiesbaden ...	*	*	*	*	*	30.24	−.09	32	29	+6	SW	1	be	*	*	*	48	26	—
	Munich	30.37	34	SW	2	b	30.36	−.05	33	29	+9	W	5	o	*	b	*	45	24	—
	The Helder ...	30.53	42	WSW	1	m	30.46	−.16	43	42	+5	WNW	2	o	2	m	*	45	34	—
Belgium.	Brussels ...	*	*	*	*	*	30.63	−.06	32	32	+3	SW	2	f	*	b	*	46	28	—
	Cape Gris Nez ...	?	41	E	1	m	?	?	39	37	+9	WNW	3	m	2	m	*	45	30	—
	Paris	30.68	40	N	2	b	30.68	+.01	22	22	−3	WSW	1	m	*	b	*	37	21	—
	Brest	30.68	48	NE	1	b	30.74	+.14	36	32	o	E	1	b	o	b	*	54	30	—
	Lorient	30.67	46	E	1	b	30.71	+.10	37	34	o	ESE	3	b	2	b	*	57	34	—
France	Rochefort ...	30.58	50	NE	3	b	30.64	+.10	37	34	+1	NE	4	b	*	b	*	57	32	—
	Belfort	30.65	40	NNE	1	m	30.69	+.04	28	24	+2	NW	1	m	*	m	*	48	25	—
	Lyons	30.61	41	NW	1	b	30.69	+.05	32	27	+3	NNW	1	b	*	b	*	49	29	—
	Nice	30.39	51	E	0	b	30.42	−.05	47	39	+11	E	0	b	1	b	*	57	36	—
	Perpignan ...	30.50	47	S	1	b	30.50	−.03	47	39	+14	W	3	b	*	b	*	58	33	—
	Biarritz ...	30.46	53	N	4	b	30.52	+.11	43	38	o	S	2	o	1	b	*	59	41	—
Peninsula.	Corunna ...																*			
	Lisbon	30.33	50	E	4	b	30.41	+.15	46	42	−4	NE	5	b	*	c.b	*	54	45	—
	Azores (P. Delgada)	29.89	59	ESE	5	o	29.88	−.05	59	56	o	E	5	c	6	bc.o	*	63	59	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

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

Bright Sunshine yesterday Southport 3.1 hrs;

WEATHER CHARTS

FOR Wednesday, 1st March, 1899.

BAROMETER, WIND AND SEA.

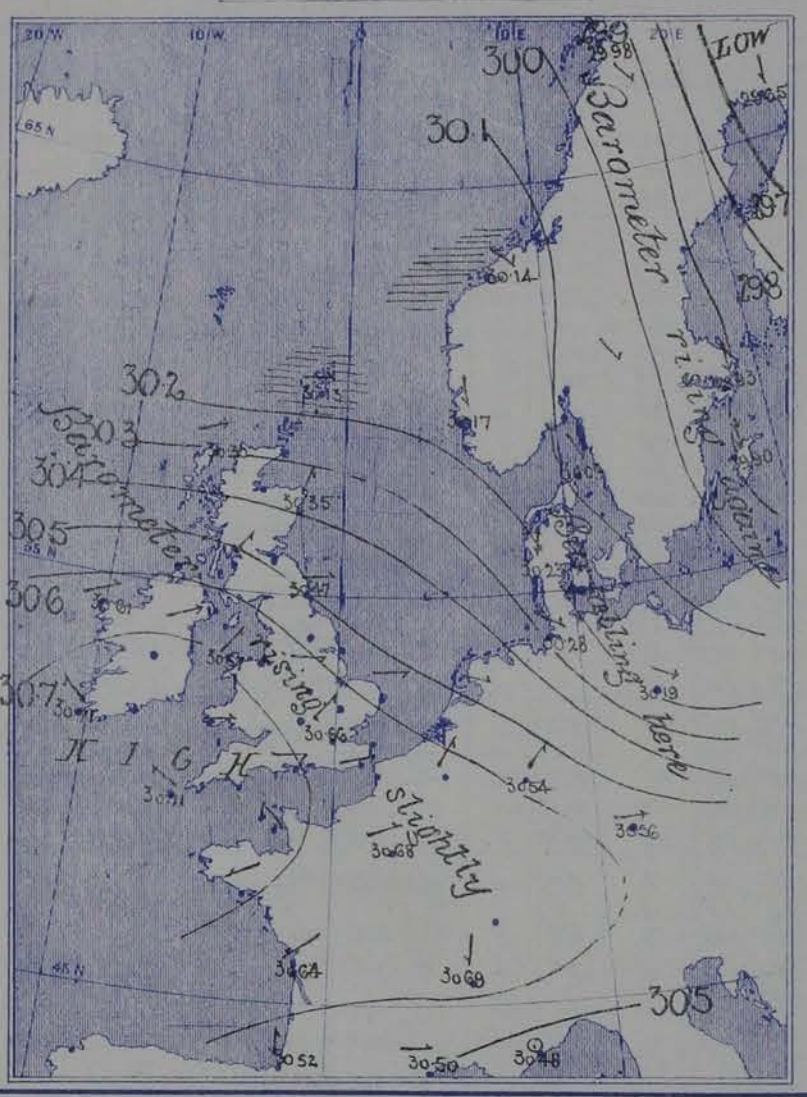
BAROMETER—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟶⟶ ; Force 5 to 7 ⟶ ; } Calm ⊙

Force 8 to 10 ⟶ ; Force 1 to 4 ⟶ ; }

SEA—Rough ▤ ; High ▤



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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.

VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF MARCH.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 737	38 · 5	37 · 0	42 · 8	34 · 0	57	1893	18	1879	2 · 75	—	—
Stornoway	29 · 772	39 · 2	38 · 2	44 · 9	34 · 2	58	1872	13	1881	3 · 70	103 · 3	29
Wick	29 · 781	38 · 9	37 · 2	44 · 9	33 · 8	62	1894	15	1891	1 · 99	—	—
Nairn	29 · 802	37 · 9	36 · 2	45 · 9	33 · 4	65	1884	6	1892	1 . 68	—	—
Aberdeen	29 · 821	38 · 6	36 · 5	45 · 7	34 · 3	66	1889, 91, 92	10	1889	2 23	124 · 0	34
Leith	29 · 849	39 · 3	37 · 6	48 · 0	34 · 4	68	1884	19	1879, 81, 89	1 · 41	—	—
Shields	29 · 873	39 · 3	37 · 7	46 · 2	34 · 8	64	1884, 93	15	1889	1 · 74	—	—
Spurn Head	29 · 891	39 · 7	38 · 3	44 · 8	36 · 4	62*	1890, 93	24*	1886	1 · 19	—	—
York	29 · 904	38 · 5	36 · 9	48 · 4	33 · 8	68	1884, 92, 93	8	1883	1 · 66	109 · 1	30
Loughborough	29 · 931	38 · 6	36 · 9	49 · 8	33 · 8	69*	1884, 93	15*	1883	1 · 54	—	—
Ardrossan	29 · 861	40 · 1	38 · 6	46 · 4	36 · 1	63	1884	18	1891	2 · 30	—	—
Malin Head	29 · 842	41 · 0	39 · 3	46 · 5	38 · 5	—	—	—	—	—	—	—
Belmullet	29 · 882	43 · 2	41 · 4	48 · 4	39 · 3	—	—	—	—	3 · 80	—	—
Donaghadee	29 · 883	40 · 7	39 · 5	47 · 3	37 · 1	65	1874	25	1892	1 · 97	—	—
Holyhead	29 · 906	42 · 0	40 · 5	47 · 4	38 · 8	67	1894	27	1881	2 · 20	—	—
Liverpool	29 · 911	40 · 2	38 · 1	47 · 2	36 · 7	66	1871	21	1886	1 · 67	—	—
Parsonstown	29 · 925	40 · 1	38 6	49 · 9	34 · 9	66	1894	18	1891	2 · 20	114 · 7	32
Valencia	29 · 929	44 · 8	42 · 8	51 · 0	40 · 3	64	1871, 94	27	1886, 91, 92	3 · 87	135 · 3	37
Roche's Point	29 · 930	43 · 3	41 · 5	49 · 7	39 · 5	60	1895	27	1890	3 · 38	—	—
Pembroke	29 · 930	42 · 1	40 · 4	46 · 6	39 · 0	58	1872	26	1888	2 · 26	139 . 9	38
Scilly	29 · 946	46 · 0	44 · 1	49 · 5	42 · 3	59	1893	30	1883, 90, 91	2 · 28	—	—
Prawle Point	29 · 960	42 · 7	41 · 2	48 · 2	37 · 7	62*	1893, 95	23*	1883, 88, 90	1 · 88	—	—
Jersey	29 · 965	44 · 0	41 · 9	49 · 7	39 · 8	66	1871, 93, 94	21	1890	2 · 24	160 · 2	44
Hurst Castle	29 · 955	41 · 0	39 · 9	47 · 9	37 · 1	62	1877	21	1887	1 · 78	—	—
Dover	29 · 936	40 · 6	39 · 2	46 · 5	36 · 6	59	1894	13	1890	1 · 74	—	—
LONDON	29 · 949	40 · 0	38 · 1	50 · 1	35 · 2	71	1871	15	1890	1 · 43	72 · 3†	20†
Oxford	29 · 951	38 · 7	37 · 2	49 · 3	34 · 5	67	1884, 93	15	1891	1 · 50	119 · 7	33
Cambridge	29 · 941	38 · 8	37 · 4	50 · 6	32 · 9	70	1893, 94	14	1889, 90	1 · 34	127 · 4	35
Yarmouth	29 · 916	40 · 1	38 · 5	45 · 2	33 · 3	62	1884, 89	18	1892	1 · 73	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.7 ins. and upwards over the SW. of our Islands and the NW. of France; 30.2 ins. and upwards in an anticyclone covering the whole of our Islands, France, Germany & the Netherlands.
Lowest 29.7 ins. and less over Lapland.
Gradients slight generally, but moderate over Germany and the Netherlands.
Barometer rising a little in most parts of our area, but falling in Denmark & Germany.

TEMPERATURE

Highest (1) 53° at Nairn and Aberdeen, and 50° at Stornoway and Wick; (2) 47° at Nice and Perpignan, and 46° at Lisbon.
Lowest (1) 15° at Haparanda, and 24° at Bodö; (2) 22° at Paris, and 28° at Belfast; (3) 29° at Parsonstown & 33° at Oxford.
A considerable rise has taken place over Gt. Britain, the change since yesterday morning amounting to as many as 20° at Loughborough, and 16° at Cambridge.

WIND

Light to fresh from the W^wd. or SW^wd. over nearly the whole of our Islands, but variable on our extreme southwest coasts.
N^ly or NW^ly in Scandinavia and Denmark, with a gale at Wisby, W^ly in Germany.
Light from the NE^wd. in the west of France; variable over the central & southern part of that country.

WEATHER

Fine over the W. and S. of our Islands and the greater part of France, but misty in places, and very foggy at Rocke's Point; fine also in the S. of Scandinavia.
Cloudy or dull elsewhere, with rain at Berlin and snow at Christiansund.
Slight rain fell yesterday at several of our N^rn. and central stations. Lightning was seen at Stornoway.

SEA

Slight or smooth generally, but rather rough at Isenbergh H. and Christiansund.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone has moved slowly westwards, its central portion being found at present over our southwest coasts. The depression noticed yesterday off the Norwegian coasts has travelled away to the eastward, but it is not unlikely that other disturbances will shortly appear to the northward of our Islands.

FORECASTS

For the 24 hours ending at NOON on 2^ND. MARCH 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W^ly and SW^ly winds, freshening; dull, some rain.	6 SCOTLAND WEST	Same as Nos. 1 and 2.
1 SCOTLAND EAST	W^ly and SW^ly winds moderate; cloudy, local showers.	7 ENGLAND N.W.	SW^ly and W^ly winds, light; fair generally.
2 ENGLAND N.E.		8 ENGLAND S.W.	Light variable breezes, fair generally, but some fog or mist.
3 ENGLAND EAST	W^ly winds, light; fair generally, but mist or fog locally.	9 IRELAND NORTH	W^ly and SW^ly winds, fresh, fair at first, some rain later.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	Same as No. 8.
5 ENGLAND SOUTH		WARNINGS	None issued.

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

Erratum. In the forecast for districts 3, 4 and 5 given in yesterday's report, for "Cold increasing" read "Cloud increasing".

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30.25	43	42	W	2	+	2	Valencia	30.64	53	48	SSE	3	bc	4
Sumburgh Head	30.14	46	46	W	4	+	5	Scilly	30.65	51	48	E	3	b	1
Stornoway	30.26	52	51	WSW	4	0	4	Jersey	30.71	46	39	ENE	5	bc	3
Aberdeen	30.35	46	43	SW	2	ogmp	1	Hurst Castle ...	30.69	41	40	WSW	1	b	1
Shields	30.49	51	46	SW	4	b	2	Dungeness ...	30.67	46	44	WNW	2	b	1
Ardrossan	30.51	45	45	S	4	0	3	North Foreland							
Malin Head ...	30.46	47	46	SW	4	c+	2	London (Westminster)	30.64	46	41	SW	2	bm	*
Belmullet	30.53	50	49	WSW	4	0	*	Yarmouth ...	30.58	49	42	W	3	b	2
Holyhead	30.63	49	46	SW	4	bc	3	Rochefort ...	30.59	55	50	E	3	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine over W.rn and S.rn Europe as a whole, but foggy in many parts of England, as well as at Brussels. Dull in the N. of Scotland and also over the N.rn, central and E.rn parts of the continent generally; rain falling at Sumburgh Hd. and also at Breslau, and snow at several of the Russian and Austrian stations. Slight rain falling later over the N.rn and central parts of the United Kingdom, and also in the W. of Norway; lightning seen at Stornoway.

Temperature rose in all but the S.rn countries. Morning readings highest 52° at Algiers, 51° at Bilbao and Nemours, and 50° at Coimbra and Lisbon; above 45° at many of the Mediterranean and Spanish coast stations. Lowest 7° at Archangel, 8° at Kharkow, and 10° at Nicolaieff; considerably below the freezing point over the central parts of England and France. Brisk rise taking place over our Islands later, and thermometer reaching 55° or more at most of our W.rn and N.rn stations. Exceeding 58° in the W. and S. of France, and touching 58° at Perpignan. Frost occurring at night over the S. of England, and also over central Ireland.

Wind light to moderate from the S.rd or SW.rd over the greater part of the United Kingdom; W.ly in Scandinavia, with a gale at Christiansund; NW.ly over Denmark, Germany and Austria; calm or variable in Scandinavia. Light from between N. and E. over the English Channel, France and the greater part of S.rn Europe. Subsequently, veering a little more to the W.rd in our Islands; no important change occurring elsewhere.

Barometer highest 30.7 ins. and upwards over the S. of England, 30.2 ins. and upwards in an anticyclone covering nearly the whole of W.rn, central and S.rn Europe. Lowest 29.5 ins. and less in a depression lying off the N.rn parts of the Norwegian coast; 29.8 ins. and less in a large shallow disturbance over central Russia. Norwegian depression subsequently travelling E.wd; anticyclone drifting slowly in a SW.ly direction.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Thursday, 2nd March, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of 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 Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.83	13	NW	2	b	29.72	+.07	-4	-5	-19	N	2	bc	#	b	#	23	-6	-
	Hernösand ...	30.02	14	W	0	b	29.52		21	21		SSE	6	S	#	b	#	41	12	0.20
	Stockholm ...	30.06	24	NW	2	b	29.45	-.08	29	28	-4	SSE	6	S	#	b	#	37	23	0.08
	Wisby	30.05	34	N	4	b	29.50	-.40	31	30	-5	S	6	S	#	b	#	36	30	0.08
	Karlstad ...	30.03	36	NW	2	o	29.34	-.74	36	35	+4	NNW	2	r	#	o	#	#	#	-
	Bodö	29.91	23	E	2	b	29.43	-.55	22	19	-2	ESE	6	o	2	b	#	25	19	-
	Christiansund ...	29.66	35	NNW	6	S	29.24	-.90	40	39	+6	N	8	r	6	S	#	40	32	0.32
	Skudesnaes ...	30.04	44	NW	4	f	29.73	-.44	44	41	+3	NNW	9	o	4	r.f	#	45	39	#
	Færder (Christiania Fjord)	29.97	36	ESE	2	o	29.42	-.66	44	38	+6	N	6	b	4	o	#	44	36	-
	Skagen (The Scaw)	29.99	41	NW	4	o	29.53	-.56	43	42	+4	NNW	9	m	4	o	#	45	37	-
	Fanö	30.25	43	NNW	4	o	30.01	-.22	42	41	-1	W	6	c	#	o	#	45	41	-
British Isles	Sumburgh Head	29.93	47	W	6	r	29.77	-.36	45	41	-2	NNW	6	bc	6	o.r	#	48	44	0.09
	Stornoway ...	30.15	50	WSW	6	c	30.11	-.19	46	45	-4	NW	3	r	3	o	0.1	51	43	0.10
	Wick	30.12	45	W	6	c	30.04	-.22	47	45	-3	N	6	c	3	c	#	53	43	-
	Nairn	30.25	50	N	3	c	30.09	-.26	52	48	-1	W	2	o	?	c	#	55	47	-
	Aberdeen ...	30.27	51	WSW	4	bcq	30.10	-.25	51	47	-2	W	3	oq	2	bc.bcq	3.5	60	49	-
	Leith	30.43	50	N	1	o	30.22	-.26	48	46	-1	WSW	4	o	#	o	#	55	45	-
	Shields	30.46	51	WSW	3	c	30.26	-.21	46	43	-1	N	5	cq	2	bc.c	#	57	42	-
	Spurn Head ...	30.51	47	N	4	c	30.34	-.18	43	41	-2	N	6	bqm	4	c	#	49	39	-
	York	30.53	48	N	3	b	30.39	-.18	44	41	+3	NNW	1	bc	#	c.b	3.3	55	39	-
	Loughborough ...	30.58	50	NNW	2	bc	30.47	-.16	38	36	-3	N	2	bc	#	bc.c.o	#	57	37	-
	Ardrossan ...	30.49	48	SW	3	b	30.32	-.23	48	48	+1	WSW	8	o	3	b	#	49	45	-
	Malin Head ...	30.46	47	WSW	5	c	30.35	-.17	47	45	+2	WSW	6	oqm	4	b,c	#	50	45	-
	Belmullet ...	30.58	49	WSW	5	o	30.49	-.12	48	44	0	N	8	o	#	b.o	#	51	44	0.01
	Donaghadee ...	30.54	50	WSW	3	b	30.44	-.16	47	45	+3	N	4	c	2	b	#	57	42	-
	Liverpool (Bidston)	30.59	45	WSW	3	b	30.49	-.17	43	41	0	W	4	o	3	b	#	53	41	-
	Holyhead ...	30.61	47	SW	3	b	30.53	-.14	44	41	+1	NNW	3	o	2	b	#	51	41	-
	Parsonstown ...	30.64	48	SW	1	b	30.55	-.15	45	43	+16	SW	1	o	#	b	9.5	55	28	0.01
	Valencia ...	30.67	48	SSW	2	c	30.59	-.12	47	43	+3	WSW	2	o	4	bc.c	8.3	52	43	-
	Roche's Point ...	30.69	48	SW	3	b	30.60	-.14	37	36	0	N	1	bw	3	b	#	53	35	-
	Pembroke (St. Ann's Hd.)	30.67	45	W	4	b	30.57	-.15	44	43	-1	N	3	o	2	b	9.5	49	43	-
	Scilly	30.69	46	SE	1	bcw	30.58	-.13	44	42	-3	NNE	3	bc	0	b,bcw	9.8	54	40	-
	Prawle Point ...	30.68	45	NNW	2	bc	30.58	-.16	39	36	-4	NNW	2	b	1	bc	#	55	32	-
	Jersey (St. Aubin's)	30.69	50	NNW	3	bcm	30.58	-.16	44	43	+12	NW	2	bm	2	b.bcmw	#	54	32	0.01
	Hurst Castle ...	30.64	48	NW	1	bm	30.57	-.16	37	36	+2	N	1	bm	1	bm	#	53	33	-
	Dungeness ...	30.58	47	N	2	bc	30.49	-.15	35	32	-3	N	1	b	0	bc	#	53	30	-
	North Foreland																#			
	London (Brixton) ...	30.61	46	NNW	2	bcm	30.52	-.14	32	31	-3	NW	1	b	#	bcm.b	0.0	55	30	-
	Oxford	30.69	43	N	3	b	30.58	-.16	30	30	-2	NW	1	cf	#	c.b	#	57	30	-
	Cambridge ...	30.59	50	NNW	2	o	30.50	-.14	31	30	-1	SW	1	bm	#	c.o	3.8	57	28	-
	Yarmouth ...	30.50	49	W	3	bcm	30.38	-.16	38	36	-5	W	3	b	3	bc	#	55	32	-
Germany & Holland	Cuxhaven ...	30.33	40	NNW	4	o	30.14	-.14	41	40	-1	W	5	o	#	f.o	#	42	39	-
	Berlin	30.24	44	W	4	r	30.11	-.08	43	42	+5	NNW	5	o	#	r	#	45	38	0.04
	Wiesbaden ...	*	*	*	*	*	30.43	-.11	43	42	+11	SW	2	bc	#	*	#	45	32	-
	Munich	30.53	38	W	5	o	30.48	-.08	39	38	+6	N	5	o	#	o	#	46	32	0.12
	The Helder ...	30.48	43	NNW	2	bc	30.30	-.16	43	41	0	W	4	b	3	bc	#	45	41	-
Belgium. France &	Brussels ...	*	*	*	*	*	30.49	-.14	37	36	+5	SW	1	f	#	o	#	45	32	-
	Cape Gris Nez ...	?	46	WSW	2	m	?	?	42	39	+3	WSW	1	b	1	m	#	50	37	-
	Paris	30.63	48	NW	2	b	30.55	-.13	30	30	+8	SW	1	bc	#	b	#	55	22	-
	Brest	30.68	50	N	1	b	30.57	-.17	36	?	0	ENE	1	m	1	b	#	57	32	-
	Lorient	30.66	52	W	0	b	30.57	-.14	41	38	+4	ENE	2	b	2	b	#	59	37	-
	Rochefort ...	30.62	51	NE	3	b	30.53	-.11	39	37	+2	ENE	4	b	#	bc.b	#	61	44	-
	Belfort	30.56	47	NNW	3	c	30.54	-.15	34	30	+6	ENE	2	c	#	c	#	55	28	-
	Lyons	30.57	46	NNW	2	b	30.51	-.18	40	37	+8	NNE	1	b	#	b	#	53	32	-
	Nice	30.32	49	E	2	bc	30.33	-.09	49	44	+2	W	0	b	1	bc	#	59	46	-
	Perpignan ...	30.43	46	NW	3	b	30.41	-.09	40	35	-7	E	1	b	#	b	#	65	39	-
	Biarritz ...	30.51	52	NNW	3	b	30.42	-.10	43	38	0	SSW	3	b	2	b	#	57	41	-
Penin-sula.	Corunna ...																#			
	Lisbon	30.32	52	NE	4	b	30.23	-.18	47	43	+1	NE	5	o	#	b	#	57	46	-
	Azores (P. Delgada)	29.89	58	NE	4	b	29.88	.00	56	53	-3	NE	4	c	4	o	#	63	54	-

For Explanation of Columns, see bottom of last page. † *Received too late for insertion in Charts on next page.*

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

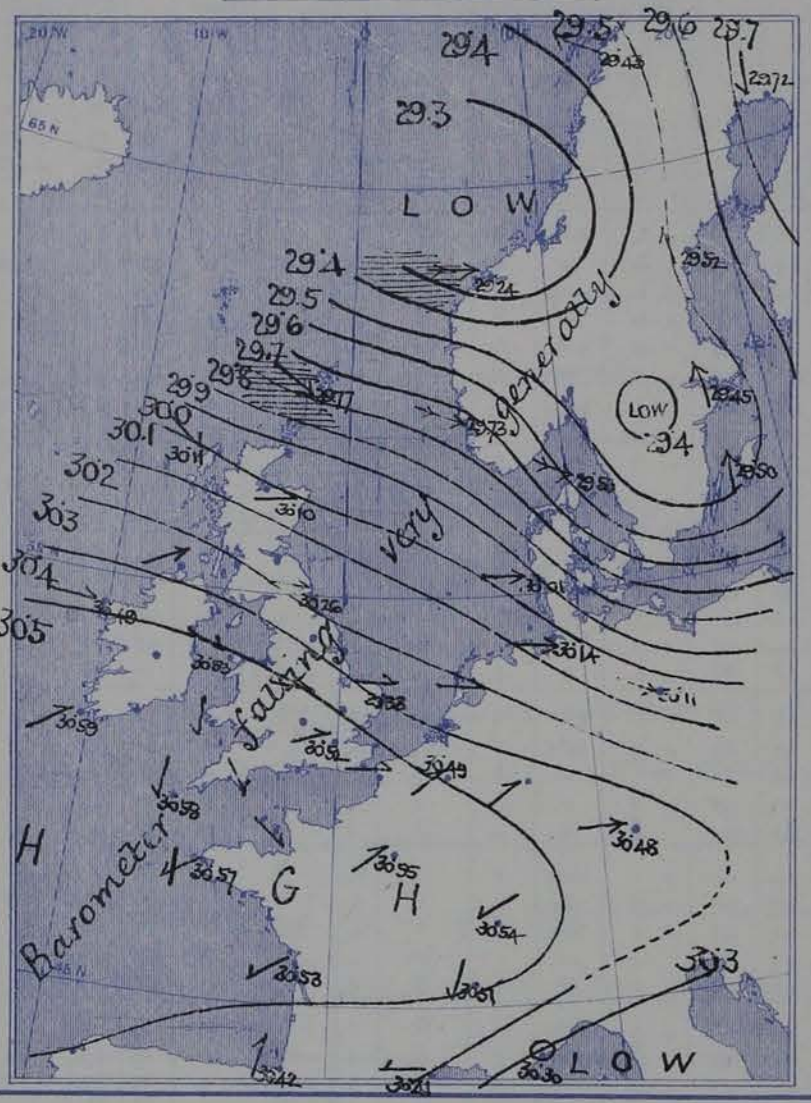
Bright Sunshine yesterday Southport 8.2 hrs;

WEATHER CHARTS

FOR Thursday, 2nd March, 1899.

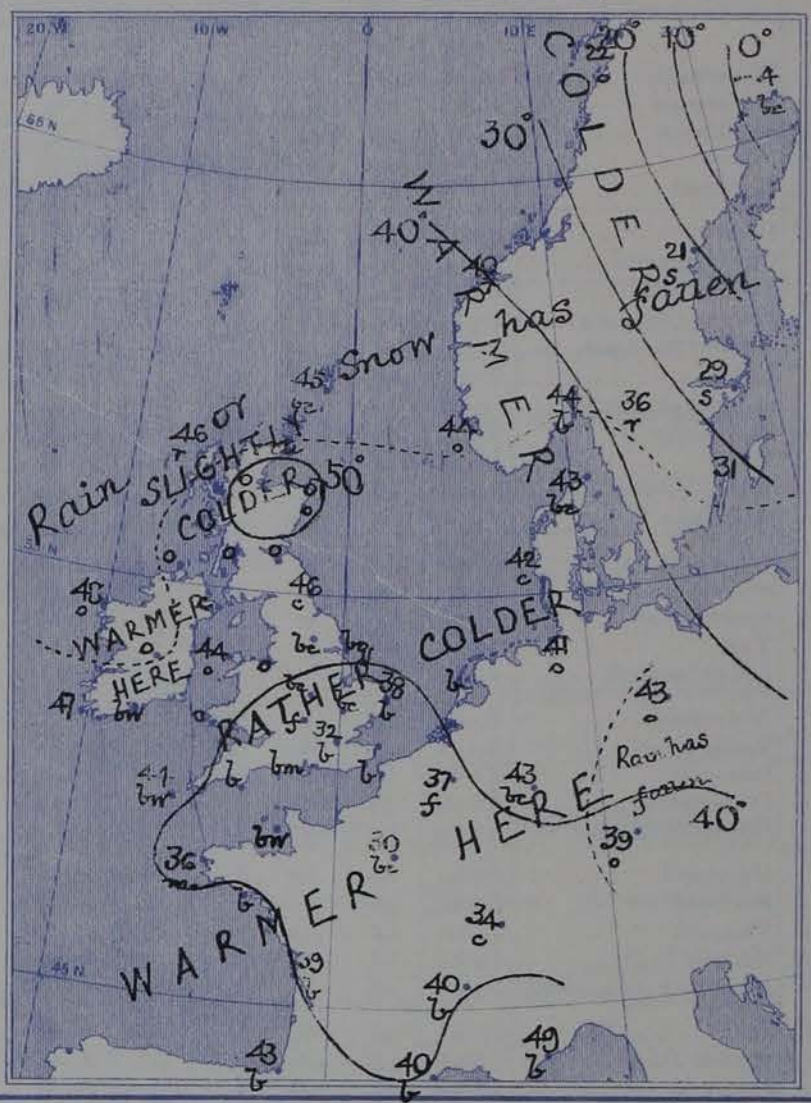
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; Force 5 to 7 ; } Calm ⊙
Force 8 to 10 ; Force 1 to 4 ; }
SEA—Rough ; High



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
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.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF MARCH.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 737	38 · 5	37 · 0	42 · 8	34 · 0	57	1893	18	1879	2 · 75	—	—
Stornoway	29 · 772	39 · 2	38 · 2	44 · 9	34 · 2	58	1872	13	1881	3 · 70	103 · 3	29
Wick	29 · 781	38 · 9	37 · 2	44 · 9	33 · 8	62	1894	15	1891	1 · 99	—	—
Nairn	29 · 802	37 · 9	36 · 2	45 · 9	33 · 4	65	1884	6	1892	1 . 68	—	—
Aberdeen	29 · 821	38 · 6	36 · 5	45 · 7	34 · 3	66	1889, 91, 92	10	1889	2 · 23	124 · 0	34
Leith	29 · 849	39 · 3	37 · 6	48 · 0	34 · 4	68	1884	19	1879, 81, 89	1 · 41	—	—
Shields	29 · 873	39 · 3	37 · 7	46 · 2	34 · 8	64	1884, 93	15	1889	1 · 74	—	—
Spurn Head	29 · 891	39 · 7	38 · 3	44 · 8	36 · 4	62*	1890, 93	24*	1886	1 · 19	—	—
York	29 · 904	38 · 5	36 · 9	48 · 4	33 · 8	68	1884, 92, 93	8	1883	1 · 66	109 · 1	30
Loughborough	29 · 931	38 · 6	36 · 9	49 · 8	33 · 8	69*	1884, 93	15*	1883	1 · 54	—	—
Ardrossan	29 · 861	40 · 1	38 · 6	46 · 4	36 · 1	63	1884	18	1891	2 · 30	—	—
Malin Head	29 · 842	41 · 0	39 · 3	46 · 5	38 · 5	—	--	—	—	—	—	—
Belmullet	29 · 882	43 · 2	41 · 4	48 · 4	39 · 3	—	—	—	—	3 · 80	—	—
Donaghadee	29 · 883	40 · 7	39 · 5	47 · 3	37 · 1	65	1874	25	1892	1 · 97	—	—
Holyhead	29 · 906	42 · 0	40 · 5	47 · 4	38 · 8	67	1894	27	1881	2 · 20	—	—
Liverpool	29 · 911	40 · 2	38 · 1	47 · 2	36 · 7	66	1871	21	1886	1 · 67	—	—
Parsonstown	29 · 925	40 · 1	38 · 6	49 · 9	34 · 9	66	1894	18	1891	2 · 20	114 · 7	32
Valencia	29 · 929	44 · 8	42 · 8	51 · 0	40 · 3	64	1871, 94	27	1886, 91, 92	3 · 87	135 · 3	37
Roche's Point	29 · 930	43 · 3	41 · 5	49 · 7	39 · 5	60	1895	27	1890	3 · 38	—	—
Pembroke	29 · 930	42 · 1	40 · 4	46 · 6	39 · 0	58	1872	26	1888	2 · 26	139 · 9	38
Scilly	29 · 946	46 · 0	44 · 1	49 · 5	42 · 3	59	1893	30	1883, 90, 91	2 · 28	—	—
Prawle Point	29 · 960	42 · 7	41 · 2	48 · 2	37 · 7	62*	1893, 95	23*	1883, 88, 90	1 · 88	—	—
Jersey	29 · 965	44 · 0	41 · 9	49 · 7	39 · 8	66	1871, 93, 94	21	1890	2 · 24	160 · 2	44
Hurst Castle	29 · 955	41 · 0	39 · 9	47 · 9	37 · 1	62	1877	21	1887	1 · 78	—	—
Dover	29 · 936	40 · 6	39 · 2	46 · 5	36 · 6	59	1894	13	1890	1 · 74	—	—
LONDON	29 · 949	40 · 0	38 · 1	50 · 1	35 · 2	71	1871	15	1890	1 · 43	72 · 3†	20†
Oxford	29 · 951	38 · 7	37 · 2	49 · 3	34 · 5	67	1884, 93	15	1891	1 · 50	119 · 7	33
Cambridge	29 · 941	38 · 8	37 · 4	50 · 6	32 · 9	70	1893, 94	14	1889, 90	1 · 34	127 · 4	35
Yarmouth	29 · 916	40 · 1	38 · 5	45 · 2	35 · 3	62	1884, 89	18	1892	1 · 73	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.6 ins. to 30.5 ins. all over the S.W^rn. parts of our Islands, France and the N^rn. parts of the Bay of Biscay.
Lowest. Below 29.3 ins. in a depression near Christiansund, and below 29.4 ins. in a secondary system near Karlstad.
Gradients steep over the North Sea and off the west of Norway.
Barometer falling generally, most in Scandinavia.

TEMPERATURE

Highest 47° to 48° in the W. and N. of Ireland, 46° at Stornoway, 44° at Skudesnaes.
Lowest (1) −4° at Haparanda, 21° at Hernösand; (2) 30° at Paris, 32° in London, 37° at Roche's Point.
A maximum of 60° in the screen, was recorded at Aberdeen yesterday, 57° at Shields, Oxford and Cambridge; 55° at Paris, 59° at Nice.

WIND

(1) W^ly. over nearly the whole of our Islands and at Christiansund, and blowing strong to a gale at several of the northern stations, E^ly. at Bodö; (2) very light and mostly E^ly. over France, W^ly., fresh over Germany.
It blew a gale at several of our northern stations in the night.

WEATHER

Dull and rather showery at our N^rn. stations (snow in Sweden); fine and bright in the S.E. and S.
A little rain has fallen at some N^rn. stations; thick hoar frost is reported in the S.
Bright sunshine was abundant yesterday on our S.W. and S.E. coasts; very slight at Stornoway.

SEA

Rough in the far north, moderate to smooth on our coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Further disturbances are likely to appear in the N. and cause unsettled weather in the N. and E. generally. Our N. and N.W. coasts were warned last night.

FORECASTS

For the 24 hours ending at NOON on 3RD MARCH 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
▼ 0 SCOTLAND NORTH	NW^ly. to SW^ly. gales and strong winds; squally, rain at times.	▼ 6 SCOTLAND WEST	Same as Nos. 0 and 1.
▼ 1 SCOTLAND EAST		7 ENGLAND N.W.	Same as No. 2.
2 ENGLAND N.E.	W^ly. and NW^ly. winds, fresh; squally, showery.	8 ENGLAND S.W.	NW^ly. winds, moderate; fine
3 ENGLAND EAST	Same as No. 5.	▼ 9 IRELAND NORTH	Same as Nos. 0 and 1.
4. MIDLAND COUNTIES	Same as No. 2.	10 IRELAND SOUTH.	SW^ly. winds, moderate, slight rain.
5 ENGLAND SOUTH	Varying W^ly. breezes; fine today, less fair tomorrow.	WARNINGS	At 7 pm yesterday to districts 0, 1, 6 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.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·15	43	42	WNW	1	r	1	Valencia	30·69	50	46	S	3	bc	4
Sumburgh Head	30·04	47	47	W	5	o	5	Scilly	30·72	53	49	SE	1	b	0
Stornoway	30·25	51	49	WSW	5	o	5	Jersey	30·75	52	47	NW	3	b	3
Aberdeen	30·31	60	50	WSW	2	bc	2	Hurst Castle ...	30·67	52	47	WSW	2	bm	1
Shields	30·52	54	47	WSW	4	bc	2	Dungeness ...	30·60	49	48	WSW	3	c	2
Ardrossan ...	30·52	49	48	SSW	4	b	3	North Foreland							
Malin Head ...	30·47	50	48	WSW	5	b	3	London (Westminster)	30·64	53	46	S	0	cm	*
Belmullet	30·60	51	49	WSW	4	b	*	Yarmouth ...	30·52	55	50	WNW	3	bc	3
Holyhead	30·65	50	45	SW	3	b	2	Rochefort ...	30·66	57	53	E	3	bc	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine and bright over the Mediterranean and Spanish Peninsula, fine over France and the greater part of England and Ireland, cloudy and unsettled in Scotland and Norway. Snow falling later in Sweden, and rain at our N^rn. stations and in some parts of Germany.

Temperature risen generally over our Islands. Morning readings highest (1) 50° and more at several stations in N. Africa and Spain; (2) 53° at Nairn and Aberdeen, 50° at Stornoway, 47° at Scilly. Lowest (1) 9° at Uleaborg, 12° at Archangel and Moscow, 14° at St. Petersburg; (2) 22° at Paris, 28° at Belfort; (3) 29° at Parsonstown, 35° in London. Rising later to between 55° and 57° in many parts of England, and touching 60° at Aberdeen. Maxima 53° at Paris, and 65° at Perpignan.

Wind (1) moderate W. or SW. over the greater part of our Islands, but light and anticyclonic over our southwestern districts and France; (2) strong to a gale from NW. and N. over Finland and the Baltic, light SW. over central Russia. Increasing in force in the north of Scotland later, and backing to SE. at Christiansund.

Barometer 30.7 ins. and more to 30.6 ins. over the SW^rn. half of our Islands, the greater part of France and the Bay of Biscay. Lowest 29.4 ins. and less over Finland. Falling decidedly later in the N. of our Islands and the NW. of Norway, and beginning to fall at our S^rn. stations also.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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

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,, Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Friday, 3rd March, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	29.72	-8	SW	0	b	29.79	+.07	-11	-12	-7	SW	0	m	s	b	*	14	-13	-
	Hernösand ...	29.59	18	SE	4	s	29.76	+.24	10	9	-11	N	2	c	*	s	*	25	10	0.39
	Stockholm ...	29.51	29	SW	0	0	29.67	+.22	21	20	-8	NNE	6	o	*	o	*	32	21	0.20
	Wisby	29.54	31	NNW	6	b	29.69	+.19	33	32	+2	N	6	b	*	b	*	37	28	0.16
	Karlstad ...	29.56	41	NW	2	b	29.69	+.35	31	30	-5	NW	1	c	*	b	#	#	#	-
	Bodö	29.58	19	E	5	b	29.62	+.19	15	13	-7	E	5	b	2	b	*	22	12	-
	Christiansund ...	29.66	36	WNW	9	s	29.55	+.31	34	32	-6	WNW	4	s	5	s	*	41	34	0.12
	Skudesnaes ...	29.93	40	NW	4	c	29.70	-.03	40	39	-4	SW	4	o	4	c	*	45	37	*
	Færder (Christiania Fjord)	29.63	40	W	2	b	29.68	+.26	36	33	-8	SE	1	o	3	b	*	46	36	-
	Skagen (The Scaw)	29.73	41	NW	3	b	29.76	+.23	39	37	-4	NW	4	c	1	b	*	46	37	-
	Fanö	30.01	41	WNW	6	b	29.96	-.05	42	41	0	W	4	c	*	b	*	46	41	-
British Islands.	Sumburgh Head	29.98	40	WNW	1	o	29.56	-.21	41	40	-4	W	3	b rsp	4	c.o	*	45	39	0.17
	Stornoway ...	30.04	48	WNW	5	r	29.78	-.33	43	42	-9	WNW	4	bc	4	o.r	o.o	49	40	0.22
	Wick	30.03	45	NW	3	o	29.73	-.31	43	42	-4	NW	3	bc	2	o	*	48	40	0.22
	Nairn	30.11	50	W	3	c	29.83	-.26	44	41	-8	W	1	bc	1	c	*	55	41	0.01
	Aberdeen ...	30.12	49	WSW	4	cq	29.83	-.27	47	42	-4	WSW	4	cq	2	rq.cq.p	o.o	52	43	0.06
	Leith	30.20	49	W	4	c	29.93	-.29	45	43	-3	WSW	4	o	*	c	*	51	42	-
	Shields	30.28	49	W	4	c	30.01	-.25	42	40	-4	W	5	cq	2	c	*	53	41	-
	Spurn Head ...	30.30	45	WNW	5	b	30.14	-.20	39	38	-4	WSW	3	cw	3	b	*	48	36	-
	York	30.32	47	W	2	b	30.13	-.26	43	40	-1	W	1	c	*	b	5.3	52	37	-
	Loughborough ...	30.40	45	WNW	3	c	30.21	-.26	37	35	-1	WSW	1	cm	*	be.c	*	55	34	-
	Ardrossan ...	30.28	48	W	4	c	30.00	-.32	45	45	-3	WSW	4	o	3	c	*	52	44	-
	Malin Head ...	30.28	46	W	5	cm	30.01	-.34	45	45	-2	W	5	cpm	3	o,c	*	48	45	0.03
	Belmullet ...	30.36	48	W	4	bc	30.13	-.36	47	45	-1	WSW	6	o m	*	o,bc	*	50	45	0.03
	Donaghadee ...	30.38	48	WNW	3	c	30.11	-.33	42	40	-5	SW	4	bc	2	c	*	50	38	-
	Liverpool (Bidston)	30.41	45	W	4	c	30.19	-.30	41	38	-2	WSW	2	c	4	c	*	47	39	-
	Holyhead ...	30.43	46	SW	3	cm	30.20	-.33	43	40	-1	W	2	c	1	c	*	49	40	-
	Parsonstown ...	30.46	46	SW	1	o	30.22	-.33	42	40	-3	SW	1	c	*	o	0.3	49	41	-
	Valencia ...	30.48	47	W	2	c	30.25	-.34	44	41	-3	WSW	2	o	4	c	4.4	50	41	-
	Roche's Point ...	30.48	47	SW	1	bc	30.28	-.32	43	41	+6	N	2	c	3	bc	*	50	36	-
	Pembroke (St. Ann's Hd.)	30.47	44	NNE	2	c	30.23	-.34	44	41	0	W	2	o g	2	c	4.1	46	42	-
	Scilly	30.46	47	N	3	bc	30.22	-.36	44	42	0	NNE	3	o m	1	b.bc	9.9	51	41	-
	Prawle Point ...	30.45	44	ENE	1	bc	30.24	-.34	41	40	+2	NE	1	c	1	bc	*	46	36	-
	Jersey (St. Aubin's)	30.46	48	NNW	2	bcm	30.24	-.34	42	41	-2	ENE	2	o m	2	b.bcm	*	55	36	-
	Hurst Castle ...	30.41	46	NW	1	b	30.25	-.29	37	36	0	NE	1	cm	1	bm	*	54	34	-
	Dungeness ...	30.39	45	SW	0	m	30.24	-.25	31	31	-4	NW	2	f	1	b,m	*	53	28	-
	North Foreland																*			
	London (Brixton) ...	30.41	45	NNW	1	bm	30.27	-.25	33	32	+1	SW	1	bf	*	bm.b	4.5	50	29	-
	Oxford	30.41	40	NW	1	b	30.25	-.28	33	32	+3	W	1	o m	*	b	*	50	30	-
	Cambridge ...	30.39	44	WNW	2	b	30.23	-.27	34	33	+3	SW	1	o	*	b	8.1	53	29	-
	Yarmouth ...	30.29	47	WNW	3	b	30.17	-.21	38	36	0	W	2	bc	3	b	*	51	32	-
Germany & Holland.	Cuxhaven ...	30.08	43	W	6	o	30.07	-.07	42	41	+1	W	3	o	*	o	*	45	39	-
	Berlin	29.94	45	WNW	6	c	30.05	-.06	41	39	-2	WNW	4	b	*	c	*	46	41	-
	Wiesbaden ...	*	*	*	*	*	30.26	-.17	42	40	-1	N	0	o	*	*	*	57	41	-
	Munich	30.32	43	W	4	b	30.29	-.19	35	33	-4	SW	2	b	*	b	*	52	35	-
	The Helder ...	30.24	43	WNW	3	b	30.14	-.16	43	42	0	W	2	c	1	b	*	46	43	-
Belgium.	Brussels ...	*	*	*	*	*	30.27	-.22	39	38	+2	SW	1	[illegible]	*	o	*	51	36	-
	Cape Gris Nez ...	?	45	SE	1	m	?	?	37	35	-5	S	1	[illegible]	0	m	*	52	34	-
	Paris	30.41	50	WSW	2	b	30.26	-.29	27	27	-9	N	2	[illegible]	*	b	*	59	27	-
	Brest	30.43	51	NE	1	b	30.18	-.39	41	34	+5	E	2	b	1	b	*	57	34	-
	Lorient	30.40	50	W	1	bc	30.19	-.38	40	38	-1	E	4	bc	2	bc	*	63	39	-
France &	Rochefort ...	30.39	54	E	3	b	30.20	-.33	41	39	+2	E	2	b	*	b	*	63	32	-
	Belfort	30.35	50	SW	0	m	30.26	-.28	34	32	0	ENE	3	m	*	m	*	56	31	-
	Lyons	30.38	50	N	1	b	30.26	-.25	39	39	-1	ENE	1	bf	*	b	*	57	36	-
	Nice	30.30	49	S	3	c	30.25	-.08	42	42	-7	ENE	3	b	2	c	*	59	42	-
	Perpignan ...	30.34	52	SW	0	b	30.23	-.18	36	34	-4	SW	2	c	*	b	*	65	34	-
	Biarritz ...	30.26	53	NNE	3	b	30.13	-.29	54	45	+11	SSE	3	o	2	b	*	57	43	-
Peninsula.	Corunna ...																*			
	Lisbon	30.11	57	E	4	c	30.08	-.15	50	48	+5	ENE	4	r	*	e	*	61	47	1.58
	Azores (P. Delgada)	29.89	55	NE	4	bc	29.89	+.01	54	49	-2	NE	3	bc	3	bc	*	63	52	0.04

For Explanation of Contents, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

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

Bright Sunshine yesterday Southport 0.5 hrs;

WEATHER CHARTS

FOR Friday, 3rd March, 1899.

BAROMETER, WIND AND SEA.

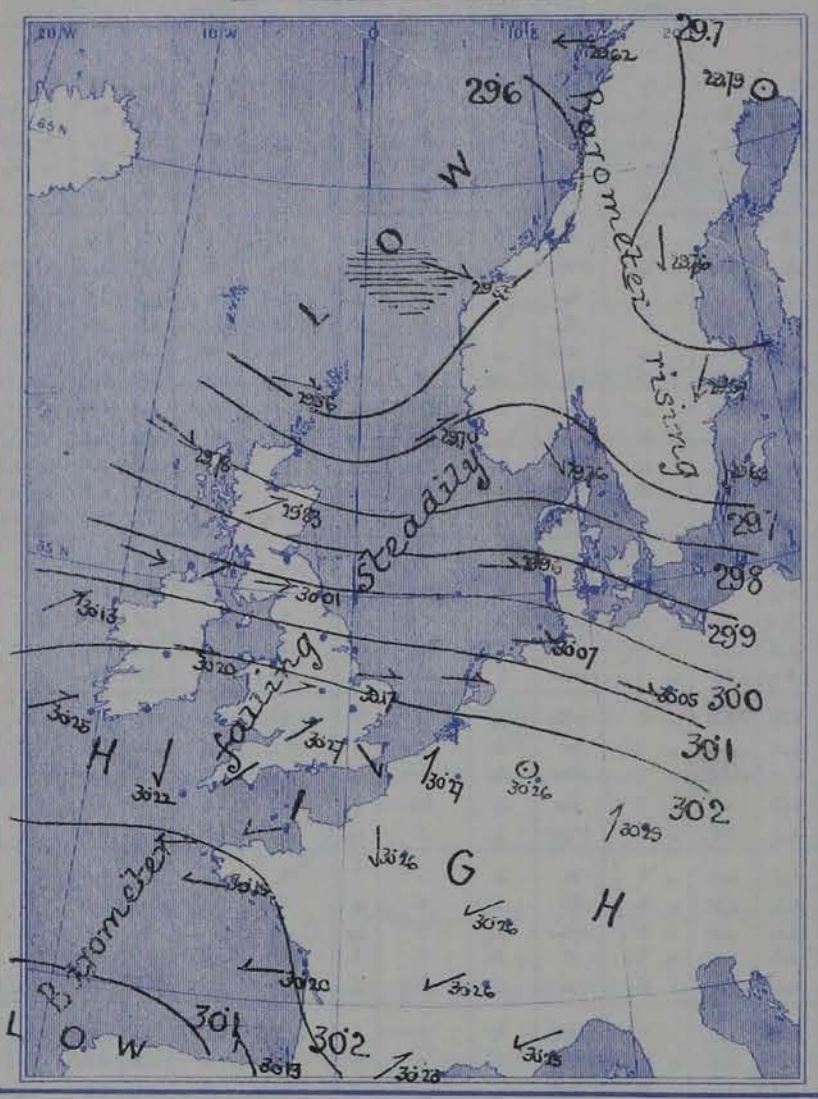
BAROMETER—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟶⟶ ; Force 5 to 7 ⟶ ; } Calm ⊙

Force 8 to 10 ⟶⟶ ; Force 1 to 4 ⟶ ; }

SEA—Rough ▤ ; High ▩

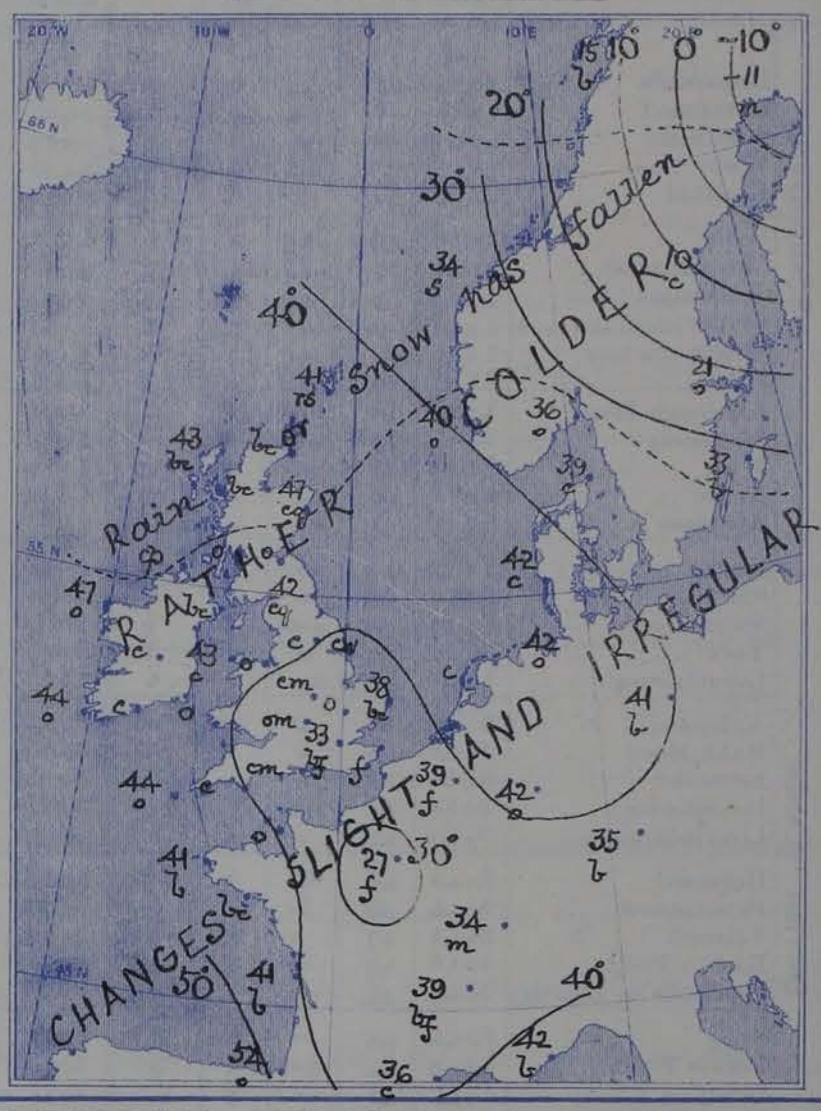


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF MARCH.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·737	38·5	37·0	42·8	34·0	57	1893	18	1879	2·75	—	—
Stornoway	29·772	39·2	38·2	44·9	34·2	58	1872	13	1881	3·70	103·3	29
Wick	29·781	38·9	37·2	44·9	33·8	62	1894	15	1891	1·99	—	—
Nairn	29·802	37·9	36·2	45·9	33·4	65	1884	6	1892	1·68	—	—
Aberdeen	29·821	38·6	36·5	45·7	34·3	66	1889, 91, 92	10	1889	2·23	124·0	34
Leith	29·849	39·3	37·6	48·0	34·4	68	1884	19	1879, 81, 89	1·41	—	—
Shields	29·873	39·3	37·7	46·2	34·8	64	1884, 93	15	1889	1·74	—	—
Spurn Head	29·891	39·7	38·3	44·8	36·4	62*	1890, 93	24*	1886	1·19	—	—
York	29·904	38·5	36·9	48·4	33·8	68	1884, 92, 93	8	1883	1·66	109·1	30
Loughborough	29·931	38·6	36·9	49·8	33·8	69*	1884, 93	15*	1883	1·54	—	—
Ardrossan	29·861	40·1	38·6	46·4	36·1	63	1884	18	1891	2·30	—	—
Malin Head	29·842	41·0	39·3	46·5	38·5	—	—	—	—	—	—	—
Belmullet	29·882	43·2	41·4	48·4	39·3	—	—	—	—	3·80	—	—
Donaghadee	29·883	40·7	39·5	47·3	37·1	65	1874	25	1892	1·97	—	—
Holyhead	29·906	42·0	40·5	47·4	38·8	67	1894	27	1881	2·20	—	—
Liverpool	29·911	40·2	38·1	47·2	36·7	66	1871	21	1886	1·67	—	—
Parsonstown	29·925	40·1	38·6	49·9	34·9	66	1894	18	1891	2·20	114·7	32
Valencia	29·929	44·8	42·8	51·0	40·3	64	1871, 94	27	1886, 91, 92	3·87	135·3	37
Roche's Point	29·930	43·3	41·5	49·7	39·5	60	1895	27	1890	3·38	—	—
Pembroke	29·930	42·1	40·4	46·6	39·0	58	1872	26	1888	2·26	139·9	38
Scilly	29·946	46·0	44·1	49·5	42·3	59	1893	30	1883, 90, 91	2·28	—	—
Prawle Point	29·960	42·7	41·2	48·2	37·7	62*	1893, 95	23*	1883, 88, 90	1·88	—	—
Jersey	29·965	44·0	41·9	49·7	39·8	66	1871, 93, 94	21	1890	2·24	160·2	44
Hurst Castle	29·955	41·0	39·9	47·9	37·1	62	1877	21	1887	1·78	—	—
Dover	29·936	40·6	39·2	46·5	36·6	59	1894	13	1890	1·74	—	—
LONDON	29·949	40·0	38·1	50·1	35·2	71	1871	15	1890	1·43	72·3†	20†
Oxford	29·951	38·7	37·2	49·3	34·5	67	1884, 93	15	1891	1·50	119·7	33
Cambridge	29·941	38·8	37·4	50·6	32·9	70	1893, 94	14	1889, 90	1·34	127·4	35
Yarmouth	29·916	40·1	38·5	45·2	35·3	62	1884, 89	18	1892	1·73	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.2 ins. and more over France and the S^th. part of England and Ireland.
Lowest 29.6 ins. and less over the Shetland Isles and W. of Norway.
Gradients moderate, for W^ly. winds, over our N^th. districts, very slight & variable in the S.
Barometer falling over France and our Islands, rising over Scandinavia (except at the W^th. ports).

TEMPERATURE

Highest 54° at Biarritz, 47° at Belmullet and Aberdeen, 44° at Valencia and Scilly, 41° at Sumburgh H.
Lowest (1) – 11° F. at Haparanda, +10° at Hernösand; (2) 33° at Oxford and in London; (3) 27° at Paris, 34° at Belfort.
The maxima recorded yesterday were as high as 50° to 54° in many parts of Ireland and England, 59° at Paris and Nice. Frost was very general over the S. midland and SE^th. counties of England early this morning.

WIND

(1) W^ly. (WSW to WNW) over the greater part of the Kingdom, moderate, to strong in places.
(2) Very variable and light on our S^th. coasts and in the English Channel.
(3) E^ly., and moderate, in the west of France.

WEATHER

Slightly showery at some of our N^th. and W^th. stations, fine generally elsewhere – with haze and fog in the SE.
Some rain (or snow) fell in Norway, Scotland and the NW. of Ireland yesterday, and heavy rain at Lisbon.
Bright Sunshine recorded yesterday amounted to 9 or 10 hrs. at several of our S^th. stations. In Scotland there was none.

SEA

Moderate on our extreme W^th. and N^th. coasts, slight to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer is falling over our Islands generally; the anticyclone shows signs of giving way, and SW^ly. breezes are probable, with milder and damper weather.

FORECASTS

For the 24 hours ending at NOON on 4^TH. MARCH 1899.

DISTRICTS.		FORECASTS.	DISTRICTS.		FORECASTS.
▼ 0	SCOTLAND NORTH	W^ly. and SW^ly. winds, strong; squally, showery.	▼ 6	SCOTLAND WEST	Same as No. 0
▼ 1	SCOTLAND EAST	W^ly. and SW^ly. winds, moderate; fair today, uncertain tomorrow	7	ENGLAND N.W.	
2	ENGLAND N.E.		8	ENGLAND S.W.	Same as No. 5.
3	ENGLAND EAST		▼ 9	IRELAND NORTH	SW^ly. winds, moderate to strong; some showers.
4	MIDLAND COUNTIES		10	IRELAND SOUTH	
5	ENGLAND SOUTH	Varying light winds, finally SW^ly.; fine today, less fair tomorrow.		WARNINGS	The South Cone is still up in districts 0, 1, 6 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.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29·82	44	41	NW	8	c	4	Valencia	30·53	49	44	W	1	c	8
Sumburgh Head	29·96	42	39	NW	4	c	6	Scilly	30·51	49	46	N	3	b	1
Stornoway	30·10	49	48	NNW	4	o	4	Jersey	30·53	54	48	NW	3	b	3
Aberdeen	30·13	47	46	NW	1	o gr	1	Hurst Castle ...	30·44	54	47	NNW	1	b m	1
Shields	30·24	51	47	W	6	c	2	Dungeness ...	30·42	52	45	W	3	b	2
Ardrossan	30·32	51	50	N	4	c	3	North Foreland							
Malin Head ...	30·35	47	46	W	5	o	3	London (Westminster)	30·44	49	44	NW	2	b c	
Belmullet	30·45	50	46	W	3	o	*	Yarmouth ...	30·34	50	45	WNW	4	b	3 *
Holyhead	30·49	48	134	WNW	3	c	2	Rochefort ...	30·46	59	55	E	3	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine and bright over the N^rn. and SE^rn. parts of our Islands, as well as over France, the Mediterranean and SW^rn. Europe; fine over Finland also. Dull and changeable over central Europe and Scandinavia, with rain in some places, snow in Sweden. Some rainfall later in Sweden and the NW. of Norway, and a little rain over Scotland and the NW. of Ireland; continuing fine over the S^rn. parts of our Islands and France.

Temperature in morning highest (1) 57° at Algiers, 52° at Oran; 47° to 48° in the W. of Ireland, 51° at Aberdeen, 47° at Wick; 44° at Skudesnaes. Lowest -4° F. at Haparanda, 0 (zero) at Kuopio, 4° at Archangel, 15° at Moscow, 19° at Kharkov; (2) 30° at Paris and also at Oxford, 31° at Cambridge, 32° in London. Rising later to between 50° and 55° in many parts of our Islands; to 59° at Paris and Nice, and to 63° in the W. of France.

Wind (1) W^rly. over the greater part of our Islands, and rather strong at several of our northwestern and northern stations; (2) light and mainly anticyclonic over our southwestern and southern districts and in France; (3) blowing hard from W. and NW. over Norway and Denmark, and strongly from S. over Sweden; (4) W^rly. and NW^rly., moderate, over Germany and the S. of Russia.

Barometer highest: 30.6 ins. to 30.5 ins. over France and the S^rn. and SW^rn. parts of our Islands. Lowest (1) below 29.3 ins. in a depression off the NW. of Norway, and below 29.4 ins. in a secondary disturbance near Karlstad; (2) below 30.2 ins. in a shallow disturbance approaching the SW. of Spain. Rising in Norway later, but falling over the whole of Ireland, England and France.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 4th March, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)								PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.71	?	N	4	b	29.60	-.19	-19	-20	- 8	W	2	b	*	b	*	5	[illegible]	-
	Hernosand ...	29.50	14	N	6	S	?	?	4	4	- 6	N	[illegible]	[illegible]	*	[illegible]	*	21	4	0.32
	Stockholm ...	29.28	25	ESE	2	S	29.10	-.57	22	21	+ 1	WNW	2	c	*	[illegible]	*	28	18	0.20
	Wisby	29.35	38	WNW	8	o	29.13	-.56	37	35	+ 4	WNW	6	bc	*	o	*	37	28	0.04
	Karlstad ...	29.22	37	SW	2	b	29.27	-.42	23	21	- 8	NNE	4	S	*	b	*	*	*	-
	Bodö	29.58	14	E	6	b	29.64	+.02	14	10	- 1	E	5	c	2	b	*	18	9	-
	Christiansund ...	29.28	31	NE	4	S	29.60	+.05	24	22	- 10	ENE	3	S	5	S	*	34	23	0.24
	Skudesnaes ...	29.39	41	NW	6	o	29.60	-.10	31	30	- 9	N	4	c	2	[illegible]	*	?	?	*
	Færder (Christiania Fjord)	29.28	38	WSW	4	b	29.31	-.37	33	31	- 3	NNW	6	c	3	b	*	39	32	-
	Skagen (The Scaw)	29.43	41	WNW	5	b	29.34	-.42	34	29	- 5	NW	8	bc	3	b	*	46	34	-
	Fanö	29.69	41	W	6	bc	29.60	-.36	37	35	- 5	NW	5	c	*	bc	*	43	36	-
British Islands.	Sumburgh Head	29.63	32	N	4	o	29.54	+.23	33	32	- 8	N	4	b	5	cp.c	*	[illegible]	27	0.22
	Stornoway ...	29.81	39	NE	3	o	29.97	+.19	32	31	- 11	NNE	4	r s p	4	bc.r q.o	3.6	45	29	0.05
	Wick	29.74	45	NW	5	bc	29.89	+.16	33	32	- 10	NW	3	bc	2	s.bc	*	52	27	0.08
	Nairn	29.60	42	W	3	c	29.94	+.11	30	29	- 14	W	1	bc	1	[illegible]	*	14	29	[illegible]
	Aberdeen ...	29.74	43	WNW	5	bcq	29.89	+.06	33	30	- 14	NW	4	cq	3	bc q.s	7.6	51	31	0.01
	Leith	29.81	46	W	3	bc	29.92	-.01	35	33	- 10	N	3	o	*	[illegible]	*	52	34	0.05
	Shields	29.86	45	WSW	3	bcm	29.85	-.16	38	35	- 4	N	3	o	3	r.b	*	53	36	0.03
	Spurn Head ...	29.94	44	W	3	c	29.82	-.32	40	39	+ 1	NNE	4	o	3	c	*	47	38	-
	York	29.96	45	W	2	c	29.85	-.28	39	38	- 4	N	1	o	*	o.c	0.1	47	37	0.02
	Loughborough ...	29.99	44	WSW	1	c	29.87	-.34	39	38	+ 2	W	1	c p m	*	c m.b.o p	*	48	36	0.01
	Ardrossan ...	29.85	44	W	4	c q p	29.95	-.05	35	35	- 10	NNE	3	o r s p	1	c q p	*	51	34	0.05
	Malin Head ...	29.87	44	WNW	5	b c p	29.98	-.03	39	36	- 5	N	5	c r s p	3	b.b c p	*	48	36	0.05
	Belmullet ...	30.00	45	NW	3	o	30.05	-.08	43	41	- 4	ENE	3	r	*	bc.o	*	50	39	0.05
	Donaghadee ...	29.92	46	W	4	bc	29.92	-.19	40	37	- 2	NW	6	bc	4	bc	*	49	34	0.01
	Liverpool (Bidston)	29.98	45	WSW	3	o	29.88	-.31	42	40	+ 1	WNW	2	bc	2	bc.o p	*	47	39	-
	Holyhead ...	29.99	45	SW	3	m d	29.90	-.30	43	41	0	N	4	c	3	c, m d	*	48	40	0.11
	Parsonstown ...	30.03	46	SW	1	o	30.01	-.21	37	37	- 5	SW	1	r	*	bc.or	3.9	51	34	-
	Valencia ...	30.08	48	WSW	3	o m	30.03	-.22	44	42	0	NNW	1	b c p	4	c.o m	4.6	50	41	0.11
	Roche's Point ...	30.07	47	SW	3	b	30.02	-.26	42	40	- 1	NNW	3	b	3	b	*	49	39	-
	Pembroke (St. Ann's Hd.)	30.09	43	NW	4	bc	29.94	-.29	44	42	0	NNW	4	b	3	c, bc	0.0	46	42	-
	Scilly	30.06	46	NNW	3	c	29.96	-.26	47	44	+ 3	NNW	3	c	1	o m, c	0.1	49	42	-
	Prawle Point ...	30.05	42	W	2	c	29.95	-.29	41	40	0	WNW	1	bc	1	c	*	48	34	-
	Jersey (St. Aubin's)	30.05	46	NE	2	c m	29.94	-.30	43	41	+ 1	NW	2	c m	2	bc.c m	*	48	35	-
	Hurst Castle ...	30.04	46	SW	1	c m	29.90	-.35	37	36	0	SSW	1	bc f	1	b m.c m	*	50	34	-
	Dungeness ...	30.02	45	WSW	3	c	29.85	-.39	33	33	+ 2	WNW	2	f	1	c	*	49	30	-
	North Foreland																*			
	London (Brixton) ...	30.03	47	W	1	bc m	29.88	-.39	35	34	+ 2	WSW	2	o	*	c m. b	3.3	52	30	-
	Oxford	29.99	40	WSW	2	c	29.90	-.35	34	34	+ 1	SW	1	bc	*	c	*	50	32	-
	Cambridge ...	30.00	42	NW	1	o	29.87	-.36	36	35	+ 2	[illegible]	0	o m	*	c, o	3.8	48	31	-
	Yarmouth ...	29.96	43	WSW	3	c	29.80	-.37	40	39	+ 2	WNW	3	bc	3	b, c	*	47	33	-
Germany & Holland.	Cuxhaven ...	29.90	41	WSW	4	bc	29.67	-.40	41	41	- 1	W	3	m	*	bc	*	43	37	-
	Berlin	29.71	46	WNW	5	o	29.71	-.34	41	38	0	W	3	o	*	o	*	48	39	-
	Wiesbaden ...	*	*	*	*	*	29.84	-.42	35	34	- 7	NW	0	o	*	*	*	46	34	-
	Munich	30.03	48	NW	0	b	29.88	-.41	43	39	+ 8	W	5	c	*	b	*	50	32	-
	The Helder ...	29.94	42	W	2	o	29.74	-.40	42	41	- 1	W	1	c	2	o	*	45	41	-
France & Belgium.	Brussels ...	*	*	*	*	*	29.86	-.41	36	36	- 3	SSW	1	f	*	o	*	47	34	-
	Cape Gris Nez ...	?	39	SSW	1	f	?	?	42	40	+ 5	WNW	2	m	2	f	*	45	37	-
	Paris	30.03	48	NW	0	bc	29.91	-.35	30	30	+ 3	N	1	S	*	bc	*	55	27	-
	Brest	30.02	50	N	1	b	29.97	-.21	42	41	+ 1	N	1	o	1	b	*	53	34	-
	Lorient	30.02	46	NW	0	b	29.95	-.24	38	37	- 2	E	3	o	2	b	*	61	36	-
	Rochefort ...	30.07	54	WSW	1	c	30.00	-.20	44	43	+ 3	NE	1	c	*	b	*	64	39	-
	Belfort														*		*			
	Lyons	30.04	53	S	1	c	30.00	-.26	43	42	+ 4	SW	1	c	*	c	*	60	39	-
	Nice	30.13	50	SE	3	o	30.06	-.19	42	39	0	E	3	bc	2	o	*	57	41	-
	Perpignan ...	30.07	50	NE	2	o	30.03	-.20	39	38	+ 3	SW	2	b	*	o	*	59	36	-
	Biarritz ...	30.04	59	S	3	c	29.93	-.20	56	51	+ 2	SSE	3	o	1	c	*	63	50	-
Penin-sula.	Corunna ...														*		*			
	Lisbon	29.94	58	S	5	r	29.91	-.17	57	56	+ 7	SSW	4	o	*	r	*	61	50	0.79
	Azores (P. Delgada)	29.97	64	N	4	bc	29.89	.00	54	48	0	[illegible]	4	c	3	bc	*	61	50	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

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

Bright Sunshine yesterday Southport 3.4 hrs;

WEATHER CHARTS

FOR Saturday, 4th March, 1899.

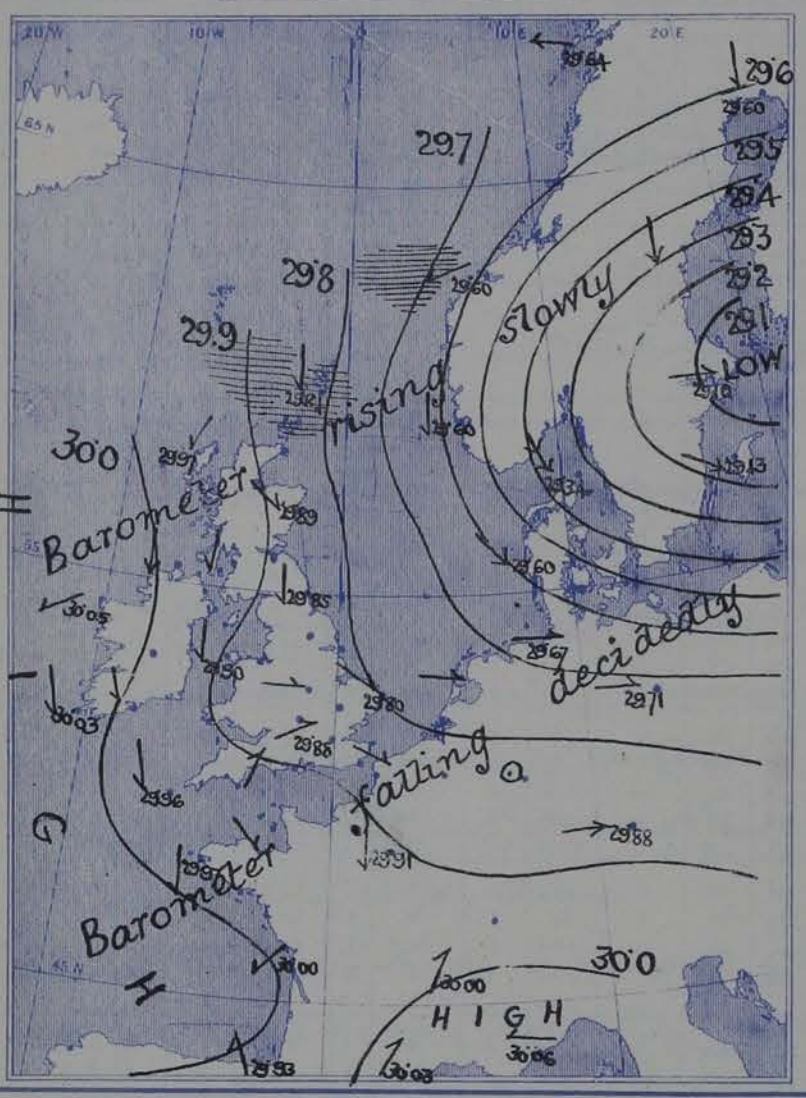
BAROMETER, WIND AND SEA.

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

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

Force above 10 ⟫⟶ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ⟩⟶ ; *Force 1 to 4* ⟶ ; Calm ⊙

SEA—Rough ; *High*

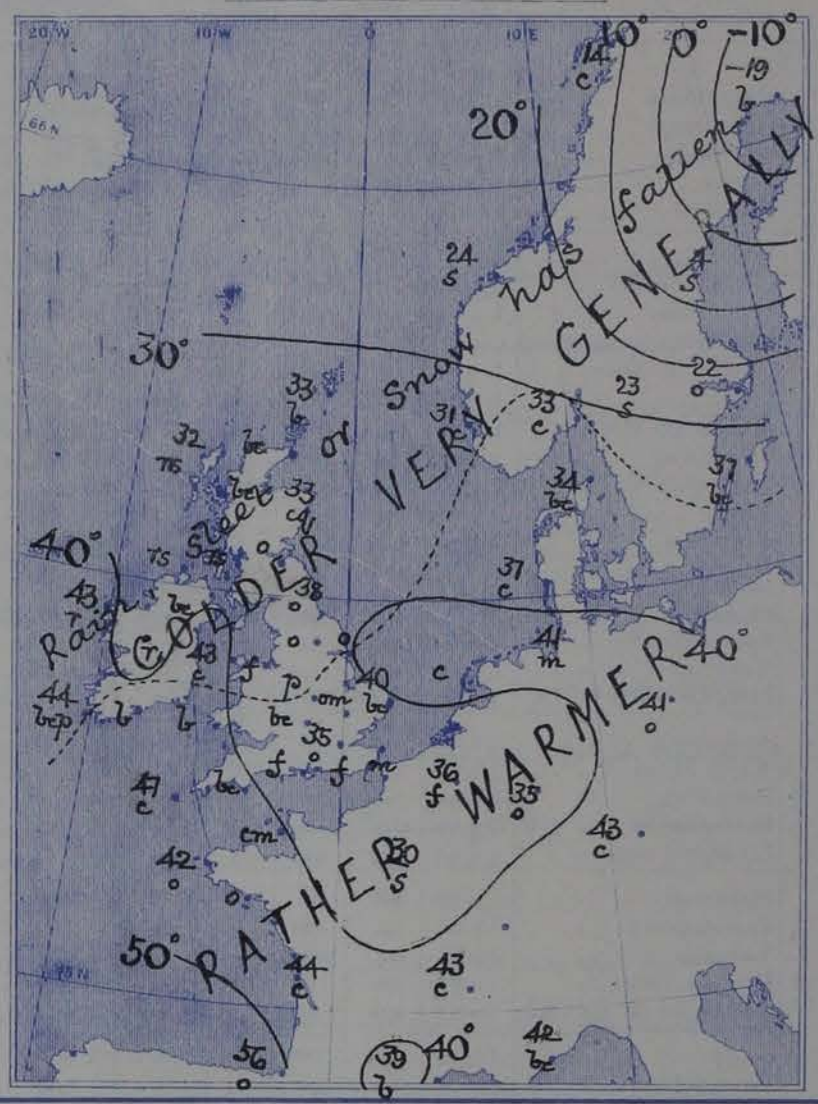


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those withow rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF MARCH.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29·737	38·5	37·0	42·8	34·0	57	1893	18	1879	2·75	—	—
Stornoway	29·772	39·2	38·2	44·9	34·2	58	1872	13	1881	3·70	103·3	29
Wick	29·781	38·9	37·2	44·9	33·8	62	1894	15	1891	1·99	—	—
Nairn	29·802	37·9	36·2	45·9	33·4	65	1884	6	1892	1·68	—	—
Aberdeen	29·821	38·6	36·5	45·7	34·3	66	1889, 91, 92	10	1889	2·23	124·0	34
Leith	29·849	39·3	37·6	48·0	34·4	68	1884	19	1879, 81, 89	1·41	—	—
Shields	29·873	39·3	37·7	46·2	34·8	64	1884, 93	15	1889	1·74	—	—
Spurn Head	29·891	39·7	38·3	44·8	36·4	62*	1890, 93	24*	1886	1·19	—	—
York	29·904	38·5	36·9	48·4	33·8	68	1884, 92, 93	8	1883	1·66	109·1	30
Loughborough	29·931	38·6	36·9	49·8	33·8	69*	1884, 93	15*	1883	1·54	—	—
Ardrossan	29·861	40·1	38·6	46·4	36·1	63	1884	18	1891	2·30	—	—
Malin Head	29·842	41·0	39·3	46·5	38·5	—	—	—	—	—	—	—
Belmullet	29·882	43·2	41·4	48·4	39·3	—	—	—	—	3·80	—	—
Donaghadee	29·883	40·7	39·5	47·3	37·1	65	1874	25	1892	1·97	—	—
Holyhead	29·906	42·0	40·5	47·4	38·8	67	1894	27	1881	2·20	—	—
Liverpool	29·911	40·2	38·1	47·2	36·7	66	1871	21	1886	1·67	—	—
Parsonstown	29·925	40·1	38·6	49·9	34·9	66	1894	18	1891	2·20	114·7	32
Valencia	29·929	44·8	42·8	51·0	40·3	64	1871, 94	27	1886, 91, 92	3·87	135·3	37
Roche's Point	29·930	43·3	41·5	49·7	39·5	60	1895	27	1890	3·38	—	—
Pembroke	29·930	42·1	40·4	46·6	39·0	58	1872	26	1888	2·26	139·9	38
Scilly	29·946	46·0	44·1	49·5	42·3	59	1893	30	1883, 90, 91	2·28	—	—
Prawle Point	29·960	42·7	41·2	48·2	37·7	62*	1893, 95	23*	1883, 88, 90	1·88	—	—
Jersey	29·965	44·0	41·9	49·7	39·8	66	1871, 93, 94	21	1890	2·24	160·2	44
Hurst Castle	29·955	41·0	39·9	47·9	37·1	62	1877	21	1887	1·78	—	—
Dover	29·936	40·6	39·2	46·5	36·6	59	1894	13	1890	1·74	—	—
LONDON	29·949	40·0	38·1	50·1	35·2	71	1871	15	1890	1·43	72·3†	20†
Oxford	29·951	38·7	37·2	49·3	34·5	67	1884, 93	15	1891	1·50	119·7	33
Cambridge	29·941	38·8	37·4	50·6	32·9	70	1893, 94	14	1889, 90	1·34	127·4	35
Yarmouth	29·916	40·1	38·5	45·2	35·3	62	1884, 89	18	1892	1·73	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.0 ins. and more in the W. of Ireland and the SW. and S. of France.
Lowest (1) 29.2 ins. and less in a depression near Stockholm, and (2) 29.9 ins. and less in a shallow secondary over the W^rn. central part of England.
Gradients slight over our Islands, steep over Scandinavia.
Barometer rising on our N^rn. and W^rn. coasts, but has fallen greatly in the E. and SE.

TEMPERATURE

Highest 56° at Biarritz, 47° at Scilly, 44° at Pembroke and Valencia, 43° at Holyhead.
Lowest (1) -19° F. at Haparanda, +4° at Hernösand; (2) 30° at Paris, 34° at Oxford, 35° in London; 37° at Parsonstown; (3) 30° at Nairn, 33° at Aberdeen.
It touched 52° to 50° at some of our stations yesterday, but did not exceed 45° at Dunbrugh Head and Stornoway.

WIND

(1) Variable in our Islands, but mainly NW.by W. to N.by W. in direction, and light to moderate in force; (2) To the E^wd. of the North Sea it was N.by W. to W.by N. in direction and strong in force. (3) In France it was very light and variable.

WEATHER

Varying locally; more cloudy in many places than of late. Showers of snow are reported at Stornoway and Malin Hd, rain at several of the Irish stations.
Solar halos were seen yesterday at Oxford and Hurst Castle.
Bright Sunshine recorded yesterday varied very greatly from 3 to 8 hrs. in different parts of the Kingdom; at York, Pembroke and Scilly there was hardly any.

SEA

Moderate in the extreme N. and W., slight to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

As the secondary disturbance over our Islands moves S^wd., winds from NW. and N. will become more general, with colder weather.

FORECASTS

For the 24 hours ending at NOON on 5TH MARCH. 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NW.by W. and N.by W. breezes, light to moderate, some showers, colder, then fair.	6 SCOTLAND WEST	NW.by W. and N.by W. breezes, light to moderate, some showers, colder, then fair.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.58	44	42	W	6	b	3	Valencia	30.15	48	44	NbW	2	c	4
Sumburgh Head	29.45	42	41	WNW	3	qp	4	Scilly	30.13	47	44	NE.	1	om	1
Stornoway	29.74	44	43	NW	4	o	4	Jersey	30.13	44	42	E	2	c	2
Aberdeen	29.72	49	42	W	6	bqq	3	Hurst Castle ...	30.10	50	46	S	1	bm	1
Shields	29.93	46	44	NbW	4	r	2	Dungeness ...	30.10	49	43	WNW	2	c	1
Ardrossan	29.89	50	49	W	6	cqp	4	North Foreland							
Malin Head ...	29.94	48	45	WbW	5	b	3	London (Westminster)	30.08	51	46	W	1	bm	#
Belmullet	30.05	47	43	WNW	3	bc	*	Yarmouth ...	30.13	47	44	NbW	3	b	3
Holyhead	30.08	47	43	SW	3	c	2	Rochefort ...	30.15	61	57	SE	.2	b	#

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning continuing fine over the Mediterranean, France and the S^rn. parts of our Islands, also fine over the most N^rn. parts of Europe; dull and unsettled both over Scotland and the W. of Russia, with showers of cold rain or snow in places. Similar showers later over Sweden, the W. of Norway, Scotland and Ireland, but remaining fine over England and France.

Temperature falling in the N. of our Islands, rising over the SW^rn. parts of Russia. Morning readings highest (1) 55° to 57° on the Algerian coast, 54° at Oporto and Biarritz; (2) 47° at Belmullet, 44° at Scilly, Valencia and Nairn, 41° at Sumburgh Hd., Berlin and Breslau. Lowest (1) -11° F. at Haparanda -10° at Archangel, -4° at St. Petersburg, +6° at Moscow; (2) 27° at Paris, 33° in London, 37° at Loughborough. Rising later to between 50° and 52° in some parts of the United Kingdom, to 55° at Paris, 57° at Nice, and 64° at Rochefort.

Wind NW. to NW. over the greater part of the British Islands and the North Sea, and of moderate force; (2) very light and variable over the Mediterranean and S^rn. Europe, as well as over Lapland and the Gulf of Bothnia; (3) N. over the Baltic, NW. over Germany, W. to SW. over the southwest of Russia and strong in places.

Barometer highest 30.4 in. to 30.2 in. over the Mediterranean, France and the S^rn. parts of our Islands. Lowest (1) 29.2 in. and less over the W. of Russia, (2) 29.6 in. and less over the Shetland Islands and W. of Norway; (3) about 30.0 in. off the SW. coast of Spain. Falling in most places all day, but rising in the N. and NW. of the British Islands.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Sunday 5th March, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperatures. Dry Bulb.	Temperatures. Wet Bulb.	Temperatures. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.11	−5	SE	0	b	29.49	−.11	−13	−14	+6	N	2	mr	*	b	*	7	−35	—
	Hernösand ...	29.69	−1	NW	4	b	29.58	?	−1	−1	−5	SE	0	bc	*	b	*	14	−2	—
	Stockholm ...	29.56	8	NNE	6	s	29.72	+.62	3	2	−19	W	2	b	*	s	*	30	?	0.04
	Wisby	29.16	19	N	9	s	29.78	+.65	15	?	−22	NNW	8	bc	*	s	*	?37	15	—
	Karlstad ...	29.78	11	NNE	2	b	29.84	+.57	6	5	−17	W	2	b	*	b	*	*	*	—
	Bodö	29.56	24	NNW	6	s	29.52	−.12	23	20	+9	N	6	s	3	s	*	24	10	—
	Christiansund ...	29.47	23	E	5	s	29.89	+.29	28	24	+4	NE	8	c	6	s	*	28	19	0.51
	Skudesnaes ...	29.84	31	NNW	4	bc	30.04	+.44	28	26	−3	N	4	c	2	bc	*	37	27	*
	Færder (Christiania Fjord)	29.78	19	N	6	b	29.93	+.62	21	18	−12	WNW	4	b	2	b	*	34	16	—
	Skagen (The Scaw)	29.79	22	NE	3	c	29.97	+.63	23	21	−11	NW	2	b	0	c	*	36	18	—
	Fanö	29.79	34	NNE	1	o	30.06	+.46	24	21	−13	ENE	1	b	*	o	*	39	23	—
British Isles	Sumburgh Head	30.04	32	N	3	c	29.93	+.09	36	36	+3	SSW	4	o	5	b,c	*	37	29	—
	Stornoway ...	30.04	31	S	2	b	29.97	.00	36	35	+4	NW	3	o	3	o, sp	5.0	42	29	0.18
	Wick	30.15	35	S	2	bc	29.93	+.04	35	34	+2	W	3	5	2	bc, s	*	40	30	0.08
	Nairn	30.08	35	SE	0	c	29.99	+.05	36	34	+6	SW	3	c	1	c	*	40	29	0.01
	Aberdeen ...	30.06	34	NW	3	bc	30.06	+.17	33	31	0	SW	6	ogqsp	4	sp, bc	2.4	38	30	0.03
	Leith	30.08	36	N	3	c	30.11	+.19	37	32	+2	SSW	1	o	*	c	*	43	32	—
	Shields	30.00	37	N	3	c	30.19	+.34	33	32	−5	WSW	1	cm	3	b, c, shp	*	39	29	0.02
	Spurn Head ...	29.94	38	NNW	3	c	30.19	+.37	37	35	−3	NNE	3	bc	4	hr, cr	*	41	35	0.01
	York	29.99	35	NNW	1	b	30.23	+.38	29	29	−10	NW	1	b	*	o, c, b	0.0	40	25	—
	Loughborough ...	29.98	36	N	3	o	30.23	+.36	24	24	−15	NW	1	bm	*	gp, os, b	*	45	23	0.04
	Ardrossan ...	30.06	39	N	2	b	30.14	+.19	40	39	+5	SSW	5	c	3	b	*	40	34	—
	Malin Head ...	30.11	39	N	4	bc	30.13	+.15	37	34	−2	SW	5	b	3	bc	*	41	34	—
	Belmullet ...	30.16	39	ENE	3	c	30.19	+.14	34	32	−9	E	2	b	*	c	*	45	30	0.02
	Donaghadee ...	30.07	39	NNE	5	bc	30.20	+.28	30	29	−10	W	4	b	2	bc	*	41	29	—
	Liverpool (Bidston)	30.04	36	NE	2	o	30.24	+.36	35	32	−7	SE	0	b	?	bc, os	*	43	30	0.04
	Holyhead ...	30.05	39	NNE	4	op	30.23	+.33	36	34	−7	E	1	b	0	md, op	*	43	31	0.03
	Parsonstown ...	30.11	40	NW	1	b	?	?	23	23	−14	NE	1	o	*	b	4.5	44	22	—
	Valencia ...	30.08	46	NNE	4	bc	30.18	+.15	31	29	−13	NE	1	b	3	c, bc	8.1	51	30	—
	Roche's Point ..	30.08	44	NNE	3	b	30.19	+.17	36	34	−6	NE	3	b	3	r, b	*	50	30	—
	Pembroke (St. Ann's Hd.)	30.02	40	NNE	4	c	30.19	+.25	34	33	−10	E	3	b	2	c	5.1	47	34	—
	Scilly	30.00	47	NNW	4	c	30.12	+.16	44	40	−3	ENE	3	c	1	c	8.0	50	40	—
	Prawle Point ...	29.96	48	NNW	3	bc	30.19	+.24	38	36	−3	ENE	4	bc	3	bc	*	55	34	—
	Jersey (St. Aubin's)	29.95	48	NW	4	bc	30.14	+.20	42	40	−1	ENE	4	bc	3	bc	*	51	39	0.04
	Hurst Castle ...	29.89	47	N	2	c	30.19	+.29	36	34	−1	NE	3	bm	2	c	*	51	33	—
	Dungeness ...	29.85	43	NNE	3	cp	30.16	+.31	34	33	+1	N	3	bc	2	c, cp	*	52	29	—
	North Foreland																*			
	London (Brixton) ...	29.92	41	NNE	3	c	30.21	+.33	33	30	−2	NNE	1	c	*	c	1.2	48	31	—
	Oxford	30.00	37	ENE	2	r	30.24	+.34	30	29	−4	NNE	1	b	*	bc, r	*	51	28	0.01
	Cambridge ...	29.96	38	NNE	2	o	30.22	+.35	28	27	−8	NNW	2	b	*	o	0.2	46	25	—
	Yarmouth ...	29.88	39	NNW	4	c	30.14	+.34	37	33	−3	NNE	5	bc	4	r, c	*	43	35	0.01
Germany & Holland	Cuxhaven ...	29.73	38	NNW	4	bc	30.01	+.34	27	25	−14	N	4	b	*	bc, s	*	41	27	—
	Berlin	29.69	39	WNW	4	o	29.88	+.17	27	26	−14	N	4	s	*	o	*	46	27	0.04
	Wiesbaden ...	*	*	*	*	*	29.95	+.11	35	33	0	N	1	b	*	*	*	50	35	—
	Munich	29.79	42	SW	5	b	29.80	−.08	34	34	−9	NW	4	s	*	b	*	52	32	0.35
	The Helder ...	29.82	39	NNW	4	c	30.05	+.31	34	32	−8	SE	3	b	2	c	*	45	32	0.04
Belgium. France &	Brussels ...	*	*	*	*	*	30.10	+.24	34	31	−2	NNW	1	o	*	o	*	46	30	—
	Cape Gris Nez ...	?	41	WNW	1	r	?	?	39	35	−3	NE	5	c	5	r	*	48	34	0.39
	Paris	29.88	43	W	2	o	30.07	+.16	33	32	+3	N	3	b	*	o	*	49	30	—
	Brest	29.98	47	N	1	b	30.06	+.09	41	39	−1	NE	1	c	1	b	*	52	37	—
	Lorient	29.96	48	NE	4	b	30.06	+.11	39	38	+1	NNE	3	bc	2	b	*	61	37	—
	Rochefort ...	29.97	49	NW	2	bc	30.05	+.05	39	37	−5	NE	3	b	*	bc	*	55	36	—
	Belfort	29.77	51	SW	4	o	29.89		35	34		W	4	s	*	o	*	58	34	—
	Lyons	29.84	52	S	1	bc	29.97	−.03	38	37	−5	NNW	4	b	*	bc	*	63	38	—
	Nice	29.88	50	SSW	2	o	29.69	−.37	50	43	+8	SE	0	b	1	o	*	57	42	—
	Perpignan ...	29.91	54	E	1	b	29.85	−.18	55	50	+16	NW	2	o	*	b	*	63	39	—
	Biarritz ...	29.86	56	NE	2	o	29.87	−.06	49	46	−7	NE	3	o	2	o	*	61	46	—
Peninsula.	Corunna ...																*			
	Lisbon	29.90	57	SSW	4	o	29.87	−.04	55	53	−2	SSE	2	bc	*	o	*	61	55	0.63
	Azores (P. Delgada)	29.95	52	NNW	4	bc	29.93	+.06	53	47	−1	NNW	3	bc	2	bc	*	59	52	0.04

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

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

Bright Sunshine yesterday Southport 0.8 hrs;

WEATHER CHARTS

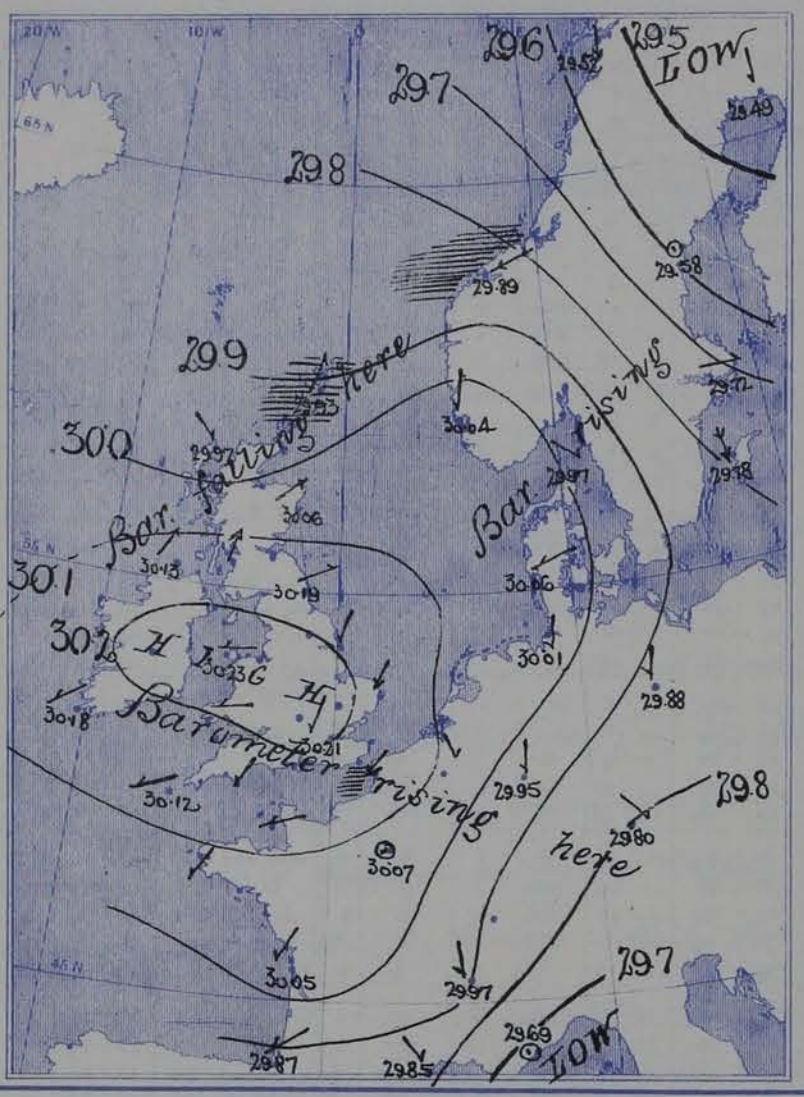
FOR Sunday, 5th March, 1899.

BAROMETER, WIND AND SEA.

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

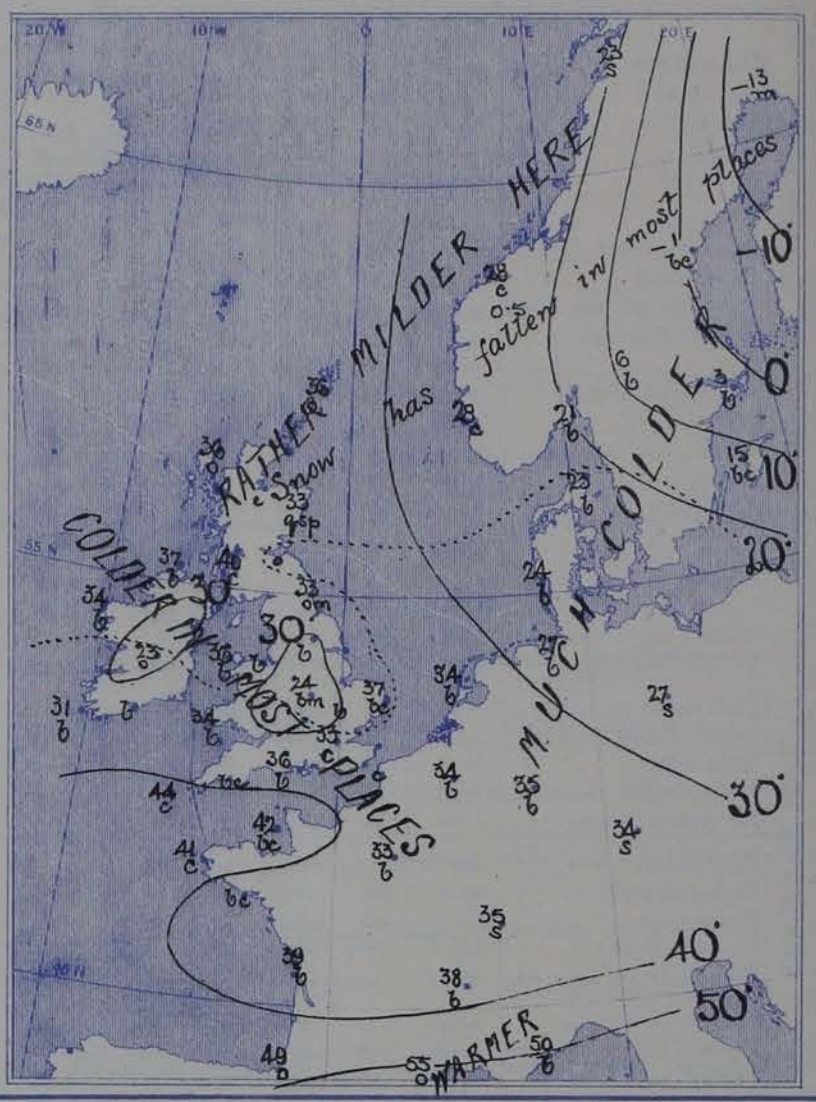
Force above 10 ⟫⟶ ; Force 5 to 7 ⟶ ; } Calm ⊙
Force 8 to 10 ↣⟶ ; Force 1 to 4 ⟶ ; }

SEA—Rough ▤ ; High ▩



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
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.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF MARCH.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·737	38·5	37·0	42·8	34·0	57	1893	18	1879	2·75	—	—
Stornoway	29·772	39·2	38·2	44·9	34·2	58	1872	13	1881	3·70	103·3	29
Wick	29·781	38·9	37·2	44·9	33·8	62	1894	15	1891	1·99	—	—
Nairn	29·802	37·9	36·2	45·9	33·4	65	1884	6	1892	1.68	—	—
Aberdeen	29·821	38·6	36·5	45·7	34·3	66	1889, 91, 92	10	1889	2·23	124·0	34
Leith	29·849	39·3	37·6	48·0	34·4	68	1884	19	1879, 81, 89	1·41	—	—
Shields	29·873	39·3	37·7	46·2	34·8	64	1884, 93	15	1889	1·74	—	—
Spurn Head	29·891	39·7	38·3	44·8	36·4	62*	1890, 93	24*	1886	1·19	—	—
York	29·904	38·5	36·9	48·4	33·8	68	1884, 92, 93	8	1883	1·66	109·1	30
Loughborough	29·931	38·6	36·9	49·8	33·8	69*	1884, 93	15*	1883	1·54	—	—
Ardrossan	29·861	40·1	38·6	46·4	36·1	63	1884	18	1891	2·30	—	—
Malin Head	29·842	41·0	39·3	46·5	38·5	—	—	—	—	—	—	—
Belmullet	29·882	43·2	41·4	48·4	39·3	—	—	—	—	3·80	—	—
Donaghadee	29·883	40·7	39·5	47·3	37·1	65	1874	25	1892	1·97	—	—
Holyhead	29·906	42·0	40·5	47·4	38·8	67	1894	27	1881	2·20	—	—
Liverpool	29·911	40·2	38·1	47·2	36·7	66	1871	21	1886	1·67	—	—
Parsonstown	29·925	40·1	38 6	49·9	34·9	66	1894	18	1891	2·20	114 7	32
Valencia	29·929	44·8	42·8	51·0	40·3	64	1871, 94	27	1886, 91, 92	3·87	135·3	37
Roche's Point	29·930	43·3	41·5	49·7	39·5	60	1895	27	1890	3·38	—	—
Pembroke	29·930	42·1	40·4	46·6	39·0	58	1872	26	1888	2·26	139 9	38
Scilly	29·946	46·0	44·1	49·5	42·3	59	1893	30	1883, 90, 91	2·28	—	—
Prawle Point	29·960	42·7	41·2	48·2	37·7	62*	1893, 95	23*	1883, 88, 90	1·88	—	—
Jersey	29·965	44·0	41·9	49·7	39·8	66	1871, 93, 94	21	1890	2·24	160·2	44
Hurst Castle	29·955	41·0	39·9	47·9	37·1	62	1877	21	1887	1·78	—	—
Dover	29·936	40·6	39·2	46·5	36·6	59	1894	13	1890	1·74	—	—
LONDON	29 949	40·0	38·1	50·1	35·2	71	1871	15	1890	1·43	72·3†	20†
Oxford	29 951	38·7	37·2	49·3	34·5	67	1884, 93	15	1891	1·50	119·7	33
Cambridge	29·941	38·8	37·4	50·6	32·9	70	1893, 94	14	1889, 90	1·34	127·4	35
Yarmouth	29·916	40·1	38·5	45·2	35·3	62	1884, 89	18	1892	1·73	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·2 ins: and more over the central parts of our Islands, and exceeding 30·0 ins: over almost the whole of the United Kingdom, the west and north of France, the Netherlands, Denmark, and the southwest of Norway.
Lowest, (1) 29·5 ins: and less, over the eastern part of Denmark and the northern parts of Sweden and the Gulf of Bothnia; (2) below 29·7 ins: over the Riviera.
Gradients slight—especially over our Islands. Barometer falling again in the north and northwest of Scotland.

TEMPERATURE

Highest, 55° at Perpignan, 50° at Nice, 49° at Biarritz, 44° at Scilly, 41° at Brest.
Lowest, (1) −13° F. at Haparanda, +3° at Stockholm; 27° at Berlin; (2) 23° at Parkeston, 24° at Loughborough, 33° in London and at Paris.
It touched 50° at our southern and southeastern stations yesterday, 50° at Wiesbaden, 52° at Munich, 63° at Lyons and Perpignan, but fell fast in our Islands at night (min: 23° in the shade at Loughborough.)

WIND

(1) Light to moderate and anticyclonic over Ireland, England and France. SW to S in the extreme north of our Islands, and NE (a gale) at Christiansund; (2) W to N over the Baltic and Germany.
The W wind in the north is encroaching more on our Islands.

WEATHER

Fine within the area of the anticyclone referred to above; dull in Scotland, slight snow at Bodö, Haparanda, and Berlin.
A little cold rain or snow fell yesterday in Scotland, and various parts of Scandinavia and England, as well as in Germany; very slight showers of "graupel" in London.
Bright Sunshine recorded yesterday—Nil at York; elsewhere it ranged from 0·2 hr: at Cambridge to 8·1 hrs at Valencia.

SEA

Moderate to smooth generally except at Christiansund and Lerwick, where it is rough.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 7TH MARCH 1899.

DISTRICTS.		FORECASTS.	DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH		6	SCOTLAND WEST	
1	SCOTLAND EAST		7	ENGLAND N.W.	
2	ENGLAND N.E.	NONE ISSUED.	8	ENGLAND S.W.	NONE ISSUED
3	ENGLAND EAST		9	IRELAND NORTH	
4	MIDLAND COUNTIES		10	IRELAND SOUTH	
5	ENGLAND SOUTH			WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29·71	37	32	NNW	6	c	3
Sumburgh Head	29·97	36	31	NNE	4	b	5
Stornoway	30·04	42	36	NE	3	o	3
Aberdeen	29·99	37	34	NW	3	c	3
Shields	29·95	37	34	N	3	b	3
Ardrossan	30·00	40	37	NNE	2	c	1
Malin Head ...	30·07	40	37	N	4	b	3
Belmullet	30·13	43	39	NE	4	c	*
Holyhead	29·95	41	39	NW	5	dm	4
Valencia	30·04	49	45	NW	1	c	4
Scilly ...	29·98	48	45	NNW	3	c	1
Jersey	29·94	51	46	NNW	4	cg	3
Hurst Castle ...	29·88	50	46	NNE	1	cv	1
Dungeness ...	29·84	49	44	ENE	3	c	2
North Foreland							
London (Westminster)	29·86	48	43	NNW	4	cfhr	*
Yarmouth ...	29·84	41	39	NNE	5	r	4
Rochefort ...	29·92	52	49	NW	2	c	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning continuing fine over many parts of the Mediterranean and southern Europe, fair over France, dull over Germany; unsettled over the Baltic and some parts of our Islands, with rain and snow showers in the west and northwest. Some cold showers in several parts of our Islands later; more decided in Germany and the east and southeast of France; graupel in London in small quantities.

Temperature fallen decidedly at the northern stations and in Ireland. Morning readings highest 61° at Algiers, 56° at Biarritz; 47° at Scilly, 44° at Valencia (Ireland); 40° to 42° over many parts of Germany. Lowest −19° at Haparanda, −20° at Haparanda, and below Zero over the north of Russia generally; +2° at Moscow, 8° at Kharkov; (2) 34° to 39° over England, 34° at Paris.

Wind (1) Moderate to light from N. and NW. over our Islands, moderate W. (but Variable) over France and Germany; (2) strong and cyclonic over the Baltic, 5. over Russia. Shifting to N. and NE. over our Islands later, but becoming S. at Stornoway in the evening.

Barometer rising in the extreme northwest and north of our Islands and over Norway; falling over England, France, and Germany. Highest 30·2 in: and more to 30·0 in: over Sicily and the Mediterranean, and 29·7 in: and more to 29·6 in: over the most northern parts of Europe. Lowest 29·2 in: and less, in a depression (well defined) over the Baltic and southeast of Sweden; below 29·9 in: in a secondary system over England. Both systems moving southeastwards later and cold N. winds spreading all over Great Britain.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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

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DAILY WEATHER REPORT

for 8 a.m. on Monday, 6th March, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.56	4	NW	4	b	29.62	+.13	-6	-8	+7	N	4	b	*	b	*	10	-24	-
	Hernösand ...	29.65	13	W	0	b	29.72	+.14	-1	-1	0	N	2	[illegible]	*	b	*	27	-14	0.04
	Stockholm ...	29.77	18	W	0	b	29.62	-.10	17	17	+14	E	2	[illegible]	*	b	*	21	-2	-
	Wisby	29.85	28	NW	10	b	29.54	-.24	26	25	+11	SSW	6	S	*	b	*	28	15	0.12
	Karlstad ...	29.86	25	W	2	bc	29.60	-.24	22	21	+16	NNW	2	S	*	bc	*	*	*	0.24
	Bodö	29.68	17	W	0	c	29.75	+.23	13	11	-10	E	4	c	1	c	*	23	10	-
	Christiansund ...	29.67	28	ENE	2	c	29.69	-.20	23	22	-5	ENE	2	b	4	c	*	30	25	0.04
	Skudesnaes ...	29.77	36	SSW	6	o	29.76	-.28	34	32	-6	NW	6	o	2	0.rs	*	36	27	*
	Færder (Christiania Fjord)	29.89	32	WSW	4	o	29.67	-.26	28	25	+7	NNW	2	bc	4	o	*	32	19	-
	Skagen (The Scaw)	29.97	31	WSW	2	o	29.70	-.27	35	32	+12	NW	5	c	1	o	*	36	23	-
	Fanö	30.12	35	WSW	6	b	29.91	-.15	37	37	+13	W	4	r	*	b	*	37	34	0.71
British Islands.	Sumburgh Head	29.81	34	N	4	o	29.59	-.34	38	33	-3	ESE	3	S	5	o	*	39	29	0.08
	Stornoway ...	29.88	42	WSW	1	d	29.45	-.52	41	40	+5	WSW	3	c	3	b.od	1.5	43	33	0.25
	Wick	29.91	46	NW	3	o	29.50	-.43	41	39	+6	S	4	ou	3	o	*	41	32	0.03
	Nairn	29.95	41	W	o	c	29.56	-.43	41	38	+5	N	2	c	1	c	*	43	34	0.03
	Aberdeen ...	29.97	38	NNW	1	og	29.64	-.42	41	38	+8	SW	6	ogg	4	og.r	0.3	41	32	0.02
	Leith	30.02	42	SSW	3	bc	29.73	-.38	43	39	+6	WSW	2	c	*	bc	*	45	35	-
	Shields	30.09	41	SW	2	o	29.87	-.32	36	33	+3	SSW	3	o	2	o	*	41	32	-
	Spurn Head ...	30.18	40	SW	3	bc	30.01	-.18	35	34	-2	[illegible]	4	c	4	bc	*	44	33	-
	York	30.15	38	WSW	1	bm	30.01	-.22	34	32	+5	[illegible]	1	o	*	bm	1.3	44	29	-
	Loughborough ...	30.21	39	S	1	b	30.07	-.16	32	30	+8	SSE	2	c	*	bm.bc.c	*	47	24	-
	Ardrossan ...	30.06	43	SSW	4	b	29.72	-.42	44	44	+4	SSW	6	om	5	b	*	44	40	-
	Malin Head ...	30.01	41	SSW	5	b	29.63	-.50	40	40	+3	SSW	6	r	4	b	*	45	37	-
	Belmullet ...	30.08	43	SSW	4	b	29.73	-.46	43	42	+9	WSW	4	b	*	b	*	46	33	0.80
	Donaghadee ...	30.10	41	SW	4	b	29.80	-.40	42	40	+12	SW	6	bc	4	b	*	48	29	0.01
	Liverpool (Bidston)	30.18	39	W	0	b	29.91	-.27	34	32	-1	SSE	2	bc	2	b	*	44	30	-
	Holyhead ...	30.17	42	SW	2	c	29.90	-.33	42	39	+6	SSW	7	om	5	c	*	43	34	-
	Parsonstown ...	30.12	41	S	1	o	29.83	?	41	40	+18	SE	1	o	*	b.or	4.4	46	23	-
	Valencia ...	30.08	45	SSE	2	om	29.83	-.35	47	43	+16	SSW	3	om	3	b.om	8.6	47	30	-
	Roche's Point ...	30.07	45	SSE	5	c	29.88	-.31	47	46	+11	SW	5	o	4	c	*	47	36	-
	Pembroke (St. Ann's Hd.)	30.17	42	SSE	4	b	29.97	-.22	43	40	+9	SW	5	c	4	b	9.1	43	33	-
	Scilly	30.12	45	E	5	c	29.97	-.15	44	39	0	S	4	c	1	b.c	7.5	49	39	-
	Prawle Point ...	30.19	40	ENE	4	bc	30.05	-.14	40	36	+2	SSE	4	c	3	bc	*	43	37	-
	Jersey (St. Aubin's)	30.17	44	E	4	b	30.08	-.06	38	35	-4	E	4	b	3	bc.b	*	47	36	-
	Hurst Castle ...	30.22	41	ESE	2	b	30.10	-.09	41	37	+5	SE	2	bc	1	b	*	46	35	-
	Dungeness ...	30.21	40	NE	3	bc	30.15	-.01	38	34	+4	S	4	b	4	bc	*	44	34	-
	North Foreland																*			
	London (Brixton) ...	30.21	39	SE	1	b	30.14	-.07	32	30	-1	SSE	2	b	*	bc.b	1.9	45	25	-
	Oxford	30.24	37	SE	.	b	30.11	-.13	31	30	+1	SSE	1	b	*	b	*	45	29	-
	Cambridge ...	30.23	38	S	1	b	30.12	-.10	30	28	+2	SSW	2	om	*	b	8.7	48	24	-
	Yarmouth ...	30.21	40	S	2	bc	30.10	-.04	36	33	-1	SSW	4	b	3	bc	*	42	30	-
Germany & Holland.	Cuxhaven ...	30.17	30	W	2	b	30.07	+.06	32	29	+5	SW	5	o	*	b	*	32	27	0.04
	Berlin	30.22	25	N	3	b	30.23	+.35	23	21	-4	W	3	b	*	b	*	27	19	-
	Wiesbaden ...	*	*	*	*	*	30.32	+.37	22	20	-13	W	0	b	*	*	*	43	19	
	Munich	30.12	26	W	4	s	30.31	+.51	15	14	-19	SE	4	b	*	s	*	36	12	0.04
	The Helder ...	30.22	32	W	o	b	30.14	+.34	39	34	+5	SW	4	b	2	b	*	39	25	-
France & Belgium.	Brussels ...	*	*	*	*	*	30.25	+.20	27	25	-7	SSE	1	b	*	b	*	42	23	-
	Cape Gris Nez ...	?	37	ESE	2	bc	?	?	31	28	-8	S	2	b	2	bc	*	45	28	-
	Paris	30.08	46	E	3	c	30.17	+.10	27	23	-6	E	2	b	*	b	*	46	25	-
	Brest	30.08	46	E	3	c	30.00	-.06	36	34	-5	E	3	b	3	c	*	50	32	-
	Lorient	30.10	45	E	4	b	29.99	-.07	33	33	-6	E	4	bc	3	b	*	54	32	-
	Rochefort ...	30.11	46	ENE	4	bc	30.00	-.05	31	29	-8	ENE	5	bc	*	bc	*	52	30	-
	Belfort	30.04	31	ENE	4	s	30.20	-.31	21	18	-14	ENE	6	b	*	s	*	51	20	-
	Lyons	30.07	39	N	2	b	30.10	+.13	26	25	-12	N	1	b	*	b	*	46	26	-
	Nice	29.54	53	S	2	b	29.93	+.24	41	?	-9	E	2	b	0	b	*	66	41	-
	Perpignan ...	29.89	54	N	2	o	29.95	+.10	33	32	-22	W	0	bc	*	o	*	61	32	-
	Biarritz ...	29.87	53	ENE	3	bc	29.77	-.10	39	35	-10	E	5	c	2	bc	*	57	39	-
Penin-sula.	Corunna ...																*			
	Lisbon	29.81	56	SSW	4	b	29.79	-.08	54	53	-1	SSE	3	o	*	b	*	61	54	0.39
	Azores (P. Delgada)	29.97	52	NW	3	bc	29.98	+.05	54	49	+1	N	3	c	2	bc	*	59	50	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

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

Bright Sunshine yesterday Southport ... 6.2 hrs;

WEATHER CHARTS

FOR Monday 6th March, 1899.

BAROMETER, WIND AND SEA.

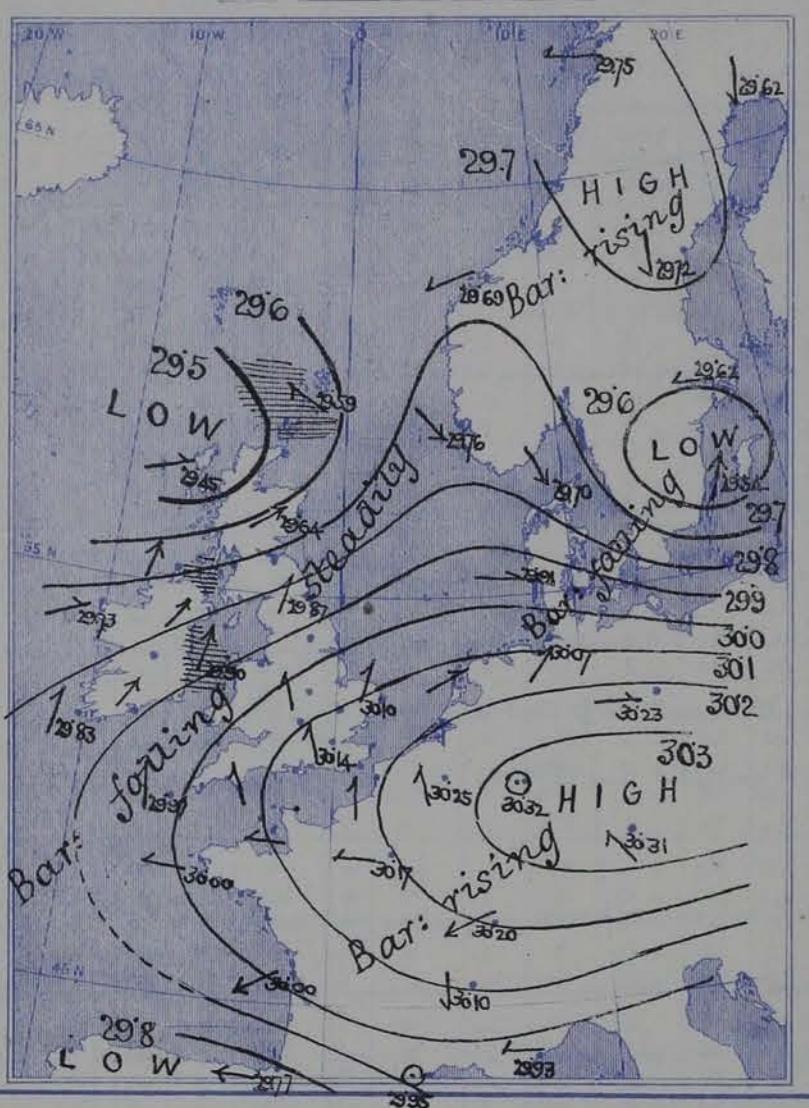
BAROMETER—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟫⟶ ; *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ↛ ; *Force 1 to 4* → ; }

SEA—Rough ▤ : *High* ▦

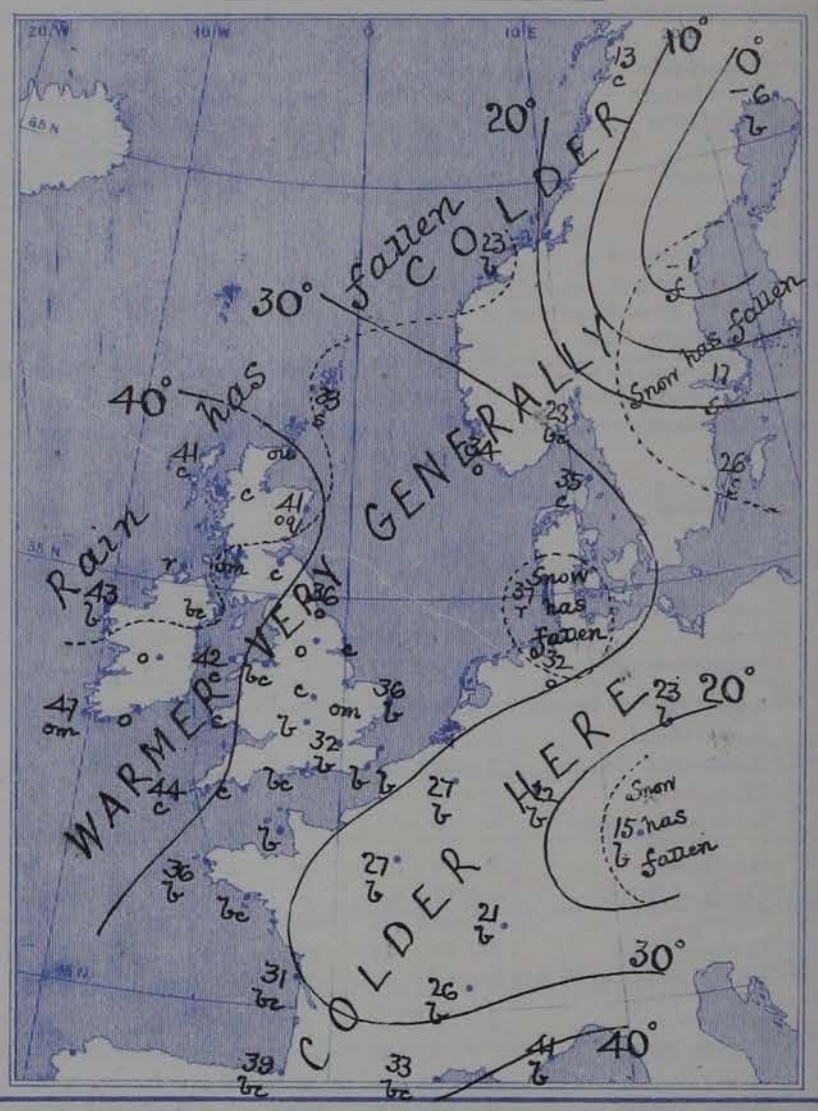


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF MARCH.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of Dry Bulb 8 a.m.	Means of Wet Bulb 8 a.m.	Means of Daily Maximum.	Means of Daily Minimum.	Absolute Extremes. Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·737	38·5	37·0	42·8	34·0	57	1893	18	1879	2·75	—	—
Stornoway	29·772	39·2	38·2	44·9	34·2	58	1872	13	1881	3·70	103·3	29
Wick	29·781	38·9	37·2	44·9	33·8	62	1894	15	1891	1·99	—	—
Nairn	29·802	37·9	36·2	45·9	33·4	65	1884	6	1892	1.68	—	—
Aberdeen	29·821	38·6	36·5	45·7	34·3	66	1889, 91, 92	10	1889	2·23	124·0	34
Leith	29·849	39·3	37·6	48·0	34·4	68	1884	19	1879, 81, 89	1·41	—	—
Shields	29·873	39·3	37·7	46·2	34·8	64	1884, 93	15	1889	1·74	—	—
Spurn Head	29·891	39·7	38·3	44·8	36·4	62*	1890, 93	24*	1886	1·19	—	—
York	29·904	38·5	36·9	48·4	33·8	68	1884, 92, 93	8	1883	1·66	109·1	30
Loughborough	29·931	38·6	36·9	49·8	33·8	69*	1884, 93	15*	1883	1·54	—	—
Ardrossan	29·861	40·1	38·6	46·4	36·1	63	1884	18	1891	2·30	—	—
Malin Head	29·842	41·0	39·3	46·5	38·5	—	—	—	—	—	—	—
Belmullet	29·882	43·2	41·4	48·4	39·3	—	—	—	—	3·80	—	—
Donaghadee	29·883	40·7	39·5	47·3	37·1	65	1874	25	1892	1·97	—	—
Holyhead	29·906	42·0	40·5	47·4	38·8	67	1894	27	1881	2·20	—	—
Liverpool	29·911	40·2	38·1	47·2	36·7	66	1871	21	1886	1·67	—	—
Parsonstown	29·925	40·1	38·6	49·9	34·9	66	1894	18	1891	2·20	114·7	32
Valencia	29·929	44·8	42·8	51·0	40·3	64	1871, 94	27	1886, 91, 92	3·87	135·3	37
Roche's Point	29·930	43·3	41·5	49·7	39·5	60	1895	27	1890	3·38	—	—
Pembroke	29·930	42·1	40·4	46·6	39·0	58	1872	26	1888	2·26	139·9	38
Scilly	29·946	46·0	44·1	49·5	42·3	59	1893	30	1883, 90, 91	2·28	—	—
Prawle Point	29·960	42·7	41·2	48·2	37·7	62*	1893, 95	23*	1883, 88, 90	1·88	—	—
Jersey	29·965	44·0	41·9	49·7	39·8	66	1871, 93, 94	21	1890	2·24	160·2	44
Hurst Castle	29·955	41·0	39·9	47·9	37·1	62	1877	21	1887	1·78	—	—
Dover	29·936	40·6	39·2	46·5	36·6	59	1894	13	1890	1·74	—	—
LONDON	29·949	40·0	38·1	50·1	35·2	71	1871	15	1890	1·43	72·3†	20†
Oxford	29·951	38·7	37·2	49·3	34·5	67	1884, 93	15	1891	1·50	119·7	33
Cambridge	29·941	38·8	37·4	50·6	32·9	70	1893, 94	14	1889, 90	1·34	127·4	35
Yarmouth	29·916	40·1	38·5	45·2	35·3	62	1884, 89	18	1892	1·73	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 in: and more over Germany, and exceeding 30·0 in: over the Netherlands, France, and the greater part of England.
Lowest, 29·5 in: and less, in a well marked depression over the northwestern parts of Scotland, and below 29·6 in: in a small disturbance over the southeast of Sweden.
Gradients slight over Germany and France, moderate over our Islands and also over the Baltic.
Barometer falling over our Islands, most in the north and west.

TEMPERATURE

Highest, 47° at Rochel[le] and Valencia, 43° at Belmullet, 41° at Stornoway and Aberdeen.
Lowest, (1) – 6° F. at Haparanda, – 1° at Hernösand; (2) + 15° at Munich, 22° at Wiesbaden, 27° at Paris; (3) 30° at Cambridge, 31° at Oxford and 34° at Liverpool.
It is increasing at our northern and western stations generally, but has been very low over our inland southern stations during the night.

WIND

S[1/4] (SSE to SW) over our Islands, and blowing very strongly at some of our northwestern and northern stations.
In France it is E[1], moderate to fresh.

WEATHER

Fine over Germany, France, and the eastern and southern parts of our Islands, squally and somewhat showery in the west and north.
Some rain has been measured in Scotland and the north of Ireland. Bright Sunshine recorded yesterday amounted to between 8 and 10 hours on our southern coasts, but was very slight in the north.

SEA

Moderate generally, rather rough in the far north.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The disturbances in the northwest and west are encroaching considerably, but have not a really threatening appearance at present. Milder and more showery weather is probable.

FORECASTS

For the 24 hours ending at NOON on 7[th] MARCH 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SW[1/4] and W[1/4] winds, strong at times; showery.
1	SCOTLAND EAST	
2	ENGLAND N.E.	S[1/4] winds, fresh; some showers.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	SE[1] to S[1/4] winds, moderate to fresh; fair at present.
6	SCOTLAND WEST	S[1/4] winds, strong; squally, showery.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	NONE ISSUED AT PRESENT.

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.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·08	34	32	SSE	4	0	2	Valencia							
Sumburgh Head								Scilly							
Stornoway	29·96	42	39	W	4	6	1	Jersey	30·18	46	43	ENE	5	bc	4
Aberdeen								Hurst Castle ...							
Shields								Dungeness ...	30·20	43	37	NE	3	bc	2
Ardrossan								North Foreland							
Malin Head ...	30·09	45	42	SSW	4	6	2	London (Westminster)							*
Belmullet	30·11	45	39	S	2	6	*	Yarmouth ...							
Holyhead								Rochefort ...	30·11	48	45	E	4	c	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 26TH FEBY TO THE 4TH MARCH 1899

On the morning of Sunday Feb: 26th pressure was as high as 30·5 ins: and more over Holstein, Mecklenburg and Hanover, and exceeded 30·3 ins: in a large anticyclone which covered Germany, the Baltic, and North Sea, and all the neighbouring parts of Scandinavia, Great Britain, and France — where temperature was low, the wind light, and no rainfall of any kind was registered. At night, however, pressure began to give way over Lapland and the White Sea, and as this continued slowly, disturbed weather began to spread over the Gulf of Bothnia, Russia, and the Baltic, and some even of our own northeastern stations had a little rain. Temperature rose somewhat as the NW to SW winds spread westwards, so that a maximum of 60° was recorded at Aberdeen on the afternoon of March 2nd and 57° at Oxford and Cambridge on the same day.

At the close of the week the disturbance which caused the broken weather (which was felt more over the Baltic, Sweden, and Russia than elsewhere) were all passing off, and in the rear of a shallow secondary system the wind was again becoming N and NE, and the thermometer was going down.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Tuesday 7th March, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of 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 Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.79	2	NW	2	b	29.86	+ ·24	−21	−22	− 15	Z	0	b	≡	b	≡	12	?	—
	Hernösand ...	29.94	−3	Z	0	b	30.08	+ ·36	−15	−15	− 14	Z	0	b	≡	b	≡	21	?	—
	Stockholm ...	29.95	10	N	2	b	30.01	+ ·39	12	10	− 5	ENE	2	0	≡	b	≡	23	9	—
	Wisby	29.92	23	N	6	s	29.91	+ ·37	22	21	− 4	SE	8	s	≡	s	≡	32	19	0·20
	Karlstad ..	29.88	21	ENE	2	0	29.86	+ ·26	15	15	− 7	ENE	6	0	≡	0	≡	≡	≡	0·08
	Bodo	29.78	14	E	2	b	29.80	+ ·05	18	15	+ 5	S	5	s	2	b	≡	18	9	—
	Christiansund ...	29.76	24	ENE	2	b	29.68	− ·01	21	20	− 2	ENE	2	b	4	b	≡	28	21	—
	Skudesnaes ...	29.56	35	SSE	8	0	29.56	− ·20	39	37	+ 5	S	6	0	4	0	≡	39	28	≡
	Færder (Christiania Fjord)	29.80	28	ESE	4	0	29.75	+ ·08	25	?	− 3	ENE	6	0	4	0	≡	28	25	0·04
	Skagen (The Scaw)	29.76	33	SSE	2	s	29.68	− ·02	35	34	0	WSW	3	m	0	s	≡	37	30	0·35
	Fanö	29.88	37	WSW	7	b	29.74	− ·17	36	33	− 1	SW	2	bc	≡	b	≡	41	30	—
	Sumburgh Head	29.33	41	WSW	2	c	29.41	− ·18	38	37	+ 5	Z	0	b	4	c	≡	44	33	0·18
	Stornoway ...	29.37	43	SW	3	c	29.34	− ·11	43	42	+ 2	S	3	0	3	p, 0, c	5·2	48	37	0·15
	Wick	29.41	40	W	4	bc	29.41	− ·09	40	39	− 1	S	1	b	1	bc	≡	48	35	—
	Nairn	29.44	41	WSW	2	b	29.40	− ·16	35	34	− 6	Z	0	bc	1	b	≡	49	30	—
	Aberdeen ...	29.49	43	SW	2	bc	29.47	− ·17	40	38	− 1	S	2	bcm	2	cq, bc	2·5	48	36	—
	Leith	29.54	42	WSW	3	0	29.45	− ·28	42	40	− 1	S	1	0	≡	0	≡	49	37	0·04
	Shields	29.67	41	SSW	3	c	29.55	− ·32	40	38	+ 4	SW	2	c	2	0, c, r	≡	45	34	—
	Spurn Head ...	29.79	40	SSW	4	c	29.64	− ·37	35	34	0	SW	2	c	3	c	≡	45	32	—
	York	29.77	42	S	2	bc	29.61	− ·40	32	30	− 2	S	1	b	≡	bc	1·4	47	30	—
	Loughborough ...	29.81	40	SSW	2	0	29.67	− ·40	29	27	− 3	SE	1	bcm	≡	c, 0, b, bc	≡	45	28	—
British Islands.	Ardrossan ...	29.55	44	SSW	4	cpm	29.42	− ·30	43	43	− 1	S	4	op	4	cpm	≡	45	41	0·12
	Malin Head ...	29.47	43	SSW	4	bcp	29.33	− ·30	42	41	+ 2	WSW	5	bcp	3	bcp	≡	48	40	0·16
	Belmullet ...	29.54	45	WSW	5	bp	29.49	− ·24	46	44	+ 3	WNW	4	c	≡	c, bp	≡	48	40	0·20
	Donaghadee ...	29.58	44	SSW	5	c	29.46	− ·34	40	39	− 2	WSW	4	bc	2	c	≡	47	37	0·05
	Liverpool (Bidston)	29.74	42	SSW	2	cm	29.61	− ·36	38	35	+ 4	SE	1	b	?	cm	≡	46	33	—
	Holyhead ...	29.70	43	SW	7	oq	29.56	− ·34	45	43	+ 3	SW	4	c	3	mp2, oq	≡	45	39	0·06
	Parsonstown ...	29.63	43	SE	1	bc	29.54	− ·29	39	38	− 2	SW	1	b	≡	r, bc	0·0	47	36	0·05
	Valencia ...	29.65	47	SW	2	chp	29.59	− ·24	47	43	0	WNW	3	c	4	cp, hp	1·7	50	42	0·16
	Roche's Point ..	29.69	46	W	4	bc	29.60	− ·28	43	41	− 4	W	3	bc	3	bc	≡	50	40	—
	Pembroke (St. Ann's Hd.)	29.77	43	SW	5	0	29.62	− ·35	45	42	+ 2	W	3	bc	4	0	0·5	46	40	0·03
	Scilly	29.78	42	S	3	c	29.66	− ·31	47	44	+ 3	W	3	c	1	c	4·8	48	39	—
	Prawle Point ...	29.82	38	SE	3	bc	29.71	− ·34	42	39	+ 2	SE	1	bc	1	bc	≡	45	32	—
	Jersey (St. Aubin's)	29.82	45	ENE	3	0	29.71	− ·37	37	34	− 1	WNW	1	bf	1	bc, 0	≡	46	31	—
	Hurst Castle ...	29.86	39	ESE	2	c	29.71	− ·39	31	31	− 10	NNE	1	bm	1	c	≡	44	28	—
	Dungeness ...	29.89	40	SSE	3	c	29.68	− ·47	41	38	+ 3	SSE	2	bc	2	c	≡	43	32	—
	North Foreland																≡			
	London (Brixton) ...	29.88	37	SSE	3	bc	29.71	− ·43	26	25	− 6	NW	1	f b	≡	bm, b	6·0	46	25	—
	Oxford	29.82	35	SSW	3	c	29.71	− ·40	30	28	− 1	S	1	b	≡	c	≡	44	24	—
	Cambridge ...	29.87	37	SSE	3	om	29.70	− ·42	24	23	− 6	SW	1	bm	≡	b, om	6·3	45	20	—
	Yarmouth ...	29.89	37	S	4	bc	29.67	− ·43	35	32	− 1	WSW	3	b	3	bc	≡	42	30	—
Germany & Holland.	Cuxhaven ...	30.03	36	SW	5	c	29.79	− ·28	27	25	− 5	S	3	0	≡	c	≡	39	27	—
	Berlin	30.13	33	SW	4	b	29.98	− ·25	27	25	+ 4	SE	2	b	≡	b	≡	39	23	—
	Wiesbaden ...	≡	≡	≡	≡	≡	29.93	− ·39	26	25	+ 4	NE	1	b	≡	≡	≡	37	22	—
	Munich	30.12	24	E	5	b	29.99	− ·32	24	22	+ 9	SE	4	bc	≡	b	≡	32	15	—
	The Helder ...	29.95	32	SSE	1	bc	29.71	− ·43	29	27	− 10	S	1	bc	0	bc	≡	41	25	—
Belgium.	Brussels ...	≡	≡	≡	≡	≡	29.77	− ·48	35	32	+ 8	S	2	0	≡	b	≡	46	26	—
	Cape Gris Nez ...	?	34	SE	1	b	?	?	35	31	+ 4	S	2	bc	1	b	≡	43	30	—
	Paris	29.89	38	E	2	b	29.78	− ·39	37	37	+ 10	S	2	r	≡	b	≡	45	27	0·08
	Brest	29.80	44	NW	1	c	29.73	− ·27	37	36	+ 1	N	1	b	1	c	≡	48	32	—
	Lorient	29.78	43	SE	1	c	29.72	− ·27	37	35	+ 4	NNE	1	bc	1	c	≡	54	33	—
France &	Rochefort ...	29.81	50	E	3	0	29.78	− ·22	48	46	+ 17	S	4	0	≡	0	≡	55	31	—
	Belfort	30.00	33	ENE	3	b	29.93	− ·27	29	26	+ 8	NE	1	0	≡	b	≡	39	21	—
	Lyons	29.93	45	S	2	b	29.95	− ·15	42	35	+ 16	S	2	0	≡	b	≡	50	26	—
	Nice	30.07	45	E	8	bc	30.09	+ ·16	35	31	− 6	E	2	bc	5	bc	≡	52	34	—
	Perpignan ...	29.96	48	S	1	r	29.96	+ ·01	47	46	+ 14	S	4	r	≡	r	≡	54	33	0·59
	Biarritz ...	29.71	56	ESE	3	0	29.69	− ·08	54	46	+ 15	SSE	4	c	2	0	≡	63	39	0·04
Peninsula.	Corunna ...																≡			
	Lisbon	29.74	55	SSW	3	b	29.66	− ·13	53	52	− 1	ESE	3	0	≡	b	≡	59	52	0·28
	Azores (P. Delgada)	30.10	53	NNE	4	bc	30.14	+ ·16	54	50	0	NNE	3	bc	2	bc	≡	59	52	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

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

Bright Sunshine yesterday Southport 1.7 hrs;

WEATHER CHARTS

FOR Tuesday, 7th March, 1899.

BAROMETER, WIND AND SEA.

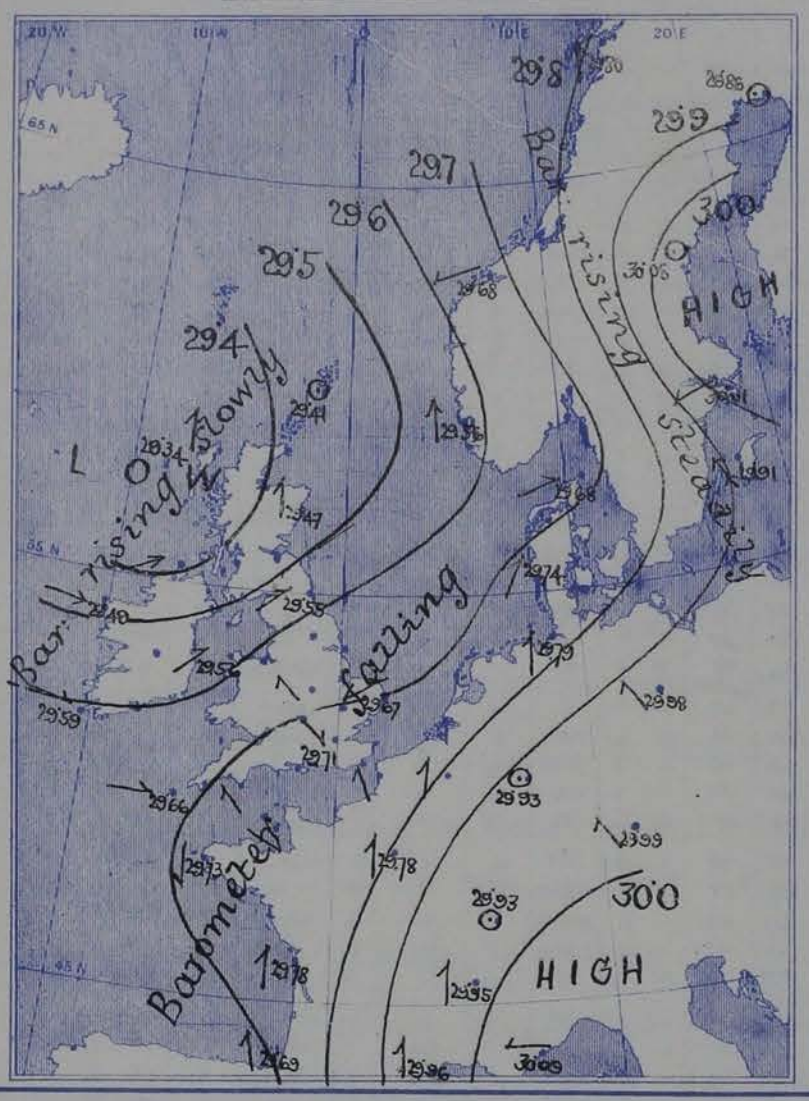
BAROMETER—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟶⟶ ; Force 5 to 7 ⟶ : } Calm ⊙

Force 8 to 10 ⟶ ; Force 1 to 4 ⟶ ; }

SEA—Rough ▤ ; High ▩

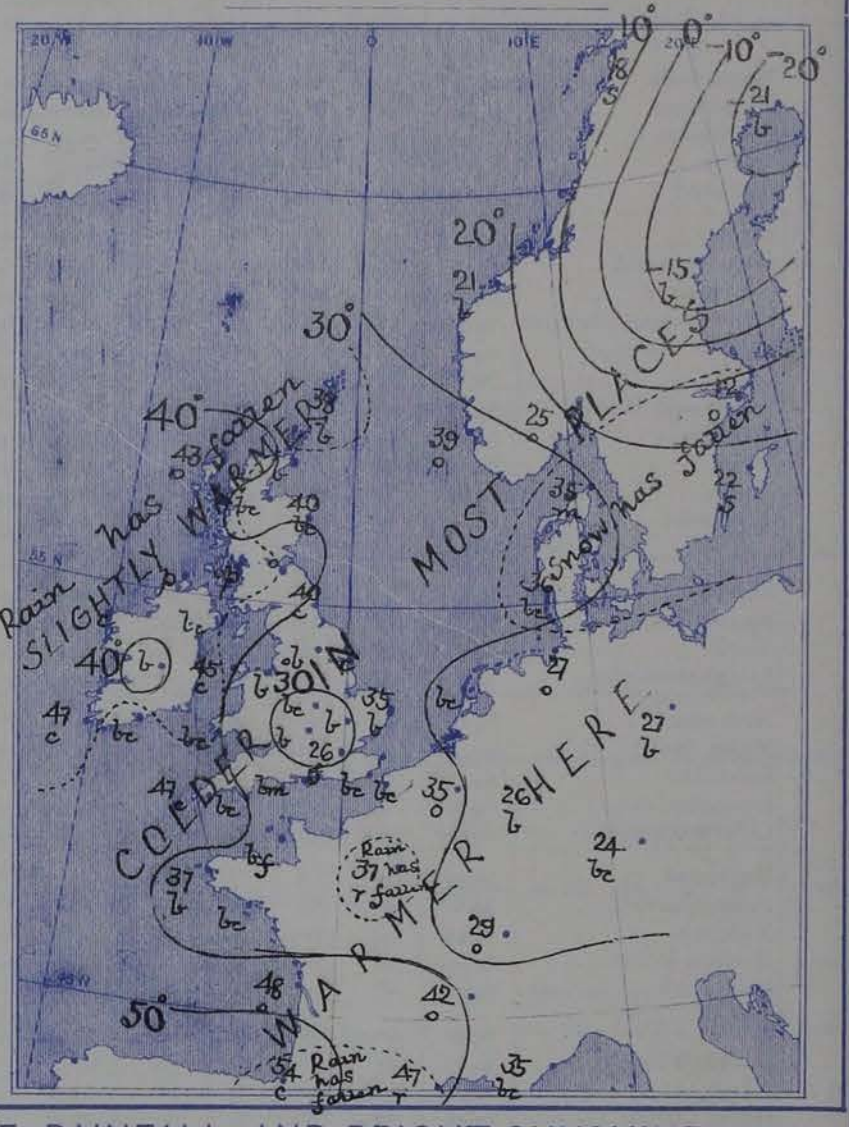


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF MARCH.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·737	38·5	37·0	42·8	34·0	57	1893	18	1879	2·75	—	—
Stornoway	29·772	39·2	38·2	44·9	34·2	58	1872	13	1881	3·70	103·3	29
Wick	29·781	38·9	37·2	44·9	33·8	62	1894	15	1891	1·99	—	—
Nairn	29·802	37·9	36·2	45·9	33·4	65	1884	6	1892	1·68	—	—
Aberdeen	29·821	38·6	36·5	45·7	34·3	66	1889, 91, 92	10	1889	2·23	124·0	34
Leith	29·849	39·3	37·6	48·0	34·4	68	1884	19	1879, 81, 89	1·41	—	—
Shields	29·873	39·3	37·7	46·2	34·8	64	1884, 93	15	1889	1·74	—	—
Spurn Head	29·891	39·7	38·3	44·8	36·4	62*	1890, 93	24*	1886	1·19	—	—
York	29·904	38·5	36·9	48·4	33·8	68	1884, 92, 93	8	1883	1·66	109·1	30
Loughborough	29·931	38·6	36·9	49·8	33·8	69*	1884, 93	15*	1883	1·54	—	—
Ardrossan	29·861	40·1	38·6	46·4	36·1	63	1884	18	1891	2·30	—	—
Malin Head	29·842	41·0	39·3	46·5	38·5	—	—	—	—	—	—	—
Belmullet	29·882	43·2	41·4	48·4	39·3	—	—	—	—	3·80	—	—
Donaghadee	29·883	40·7	39·5	47·3	37·1	65	1874	25	1892	1·97	—	—
Holyhead	29·906	42·0	40·5	47·4	38·8	67	1894	27	1881	2·20	—	—
Liverpool	29·911	40·2	38·1	47·2	36·7	66	1871	21	1886	1·67	—	—
Parsonstown	29·925	40·1	38·6	49·9	34·9	66	1894	18	1891	2·20	114·7	32
Valencia	29·929	44·8	42·8	51·0	40·3	64	1871, 94	27	1886, 91, 92	3·87	135·3	37
Roche's Point	29·930	43·3	41·5	49·7	39·5	60	1895	27	1890	3·38	—	—
Pembroke	29·930	42·1	40·4	46·6	39·0	58	1872	26	1888	2·26	139·9	38
Scilly	29·946	46·0	44·1	49·5	42·3	59	1893	30	1883, 90, 91	2·28	—	—
Prawle Point	29·960	42·7	41·2	48·2	37·7	62*	1893, 95	23*	1883, 88, 90	1·88	—	—
Jersey	29·965	44·0	41·9	49·7	39·8	66	1871, 93, 94	21	1890	2·24	160·2	44
Hurst Castle	29·955	41·0	39·9	47·9	37·1	62	1877	21	1887	1·78	—	—
Dover	29·936	40·6	39·2	46·5	36·6	59	1894	13	1890	1·74	—	—
LONDON	29·949	40·0	38·1	50·1	35·2	71	1871	15	1890	1·43	72·3†	20†
Oxford	29·951	38·7	37·2	49·3	34·5	67	1884, 93	15	1891	1·50	119·7	33
Cambridge	29·941	38·8	37·4	50·6	32·9	70	1893, 94	14	1889, 90	1·34	127·4	35
Yarmouth	29·916	40·1	38·5	45·2	35·3	62	1884, 89	18	1892	1·73	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest 30.0 ins. and upwards over the N^rn. part of Gulf of Bothnia and also over the SE of France.
Lowest 29.4 ins. and less in a shallow depression lying off the W. of Scotland.
Gradients slight. Barometers inclined to rise in many parts of our Islands; falling a little in the W^rn. parts of the Continent; rising in Sweden.

TEMPERATURE — Highest (1) 54° at Biarritz, 53° at Lisbon, 48° at Rochefort, and 47° at Perpignan; (2) 47° at Valencia (Ireland) and Scilly.
Lowest (1) −21° F. at Haparanda, −15° at Hernösand, and +12° at Stockholm; (2) 24° at Cambridge, and 26° in London; (3) 24° at Munich and 26° at Wiesbaden.
Sharp frost was again experienced last night over the inland parts of England, the lowest temperatures reported being:—(1) In the screen 20° at Cambridge, 24° at Oxford, and 25° in London; (2) on the grass 16° at Oxford, 18° in London, and 21° at Loughborough.

WIND — Light to moderate from the W^rn. over Ireland and the Southwest of England, and from the S^rn. over the northern parts of Gt Britain, as well as in the western parts of the Continent.
Over the English Channel and Brittany there was a cyclonic circulation of very light breezes.
Calm in the Gulf of Bothnia. E^ly in the south of Sweden, with a gale at Visby.

WEATHER — Fine over the United Kingdom generally, but foggy or misty at some of the English stations, and showery on our extreme NW. coast.
Fine also over Germany, the Netherlands and the N^rn. parts of Scandinavia; dull at most of the French stations, with rain at Paris and Perpignan; dull also in the S. of Scandinavia, with snow at Wisby as well as at Bodö.

SEA — A little rain fell yesterday at several of our W^rn. and N^rn. stations. Solar Halos were seen at Oxford Hurst Castle and Jersey.
Moderate to smooth generally, but rather rough at Nice.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The distribution of pressure is becoming rather irregular. The present tendency is in favour of the development of shallow depressions over England, but the indications are slight and ill defined.

FORECASTS

For the 24 hours ending at NOON on 8TH MARCH 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S^rly winds, light; fair at first, showery later.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	Variable or light S^rly breezes; fair at first, doubtful later, possibly some rain.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	SW^rly winds, light or moderate; fair generally, but local showers.
7	ENGLAND N.W.	
8	ENGLAND S.W.	W^rly to S^rly winds, moderate or fresh; fair at first, some rain later.
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.70	37	35	SE	4	o	3
Sumburgh Head	29.36	43	41	WSW	3	c	5
Stornoway	29.39	48	43	W	4	o	4
Aberdeen	29.54	46	40	SW	4	cq	4
Shields	29.74	44	40	SSW	4	o	2
Ardrossan	29.61	45	45	SW	5	apm	5
Malin Head ...	29.54	45	44	SW	4	bc	2
Belmullet	29.65	48	44	WSW	5	c	*
Holyhead	29.80	44	40	SW	7	ompd	6
Valencia ...	.74	47	45	SSW	3	cp	4
Scilly	29.86	45	41	SSE	4	c	1
Jersey	29.94	44	38	ESE	4	bc	3
Hurst Castle ...	29.95	43	38	SE	1	c	1
Dungeness ...	30.00	42	35	SE	3	c	3
North Foreland							
London (Westminster)	29.97	45	36	SSE	1	b	*
Yarmouth ...	29.98	42	39	SSW	4	bc	3
Rochefort ...	29.91	52	43	E	3	c	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine over the greater part of England, France, Germany and N^rn Italy as well as in the N^rn parts of Russia and Scandinavia. Cloudy or dull in most other localities, with rain at Malin H., Coruna and Faro and with snow in Austria and the S. of Russia, as well as in the S. of Sweden and at Copenhagen. A little rain falling later at several of our own W^rn and N^rn stations; solar halos seen in the S of England.

Temperature rises over our Islands and the N^rn parts of the Continent, falls elsewhere. Morning readings highest 60° at Palermo, 59° at Algiers, 58° at Cran, and 50° at Malta, above 50° at most of the Mediterranean and Spanish coast stations. Lowest -13° F. at Uleaborg, -6° at Haparanda, and -5° at Archangel and Kuopio; considerably below the freezing point in most parts of N^rn, E^rn and central Europe, and slightly below it over central England. Rising during day to 45° and upwards in most parts of the United Kingdom, and to 50° at Valencia and Roche's Pt.; exceeding 50° also in the W. and S. of France, and reaching 63° at Biarritz. Sharp frost occurring over the inland parts of England at night.

Wind light to fresh from the E^wd over France and the Spanish peninsula, light from the SE^wd over the central and southern parts of England, strong from the S^wd or SW^wd on many parts of our own western and northern coasts N^rly or NW^rly over Finland, Sweden and the south of Norway; W^rly or SW^rly over Denmark, N. Germany and the Baltic. N^rly over Austria and the south of Russia and E^rly over the northern parts of Italy and the Adriatic, with a gale at Leiria; S^rly or SW^rly over southern Italy. Moderating later in the west and north of our Islands.

Barometer highest 30.3ins. and upwards over the S^rn parts of Germany, 30.1ins. and upwards in an anticyclone covering all the more central parts of Europe. Lowest 29.2ins. and less in a depression over the White Sea, 29.5ins. and less in another disturbance off the NW. of Scotland, 29.6ins. and less in a third over the S. of Sweden. Falling decidedly over W^rn Europe during day, but general distribution of pressure remaining unchanged.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 8th March, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of 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 Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.73	7	NW	2	bc	29.85	-.01	2	1	+23	N	2	b	#	bc	#	10	-26	-
	Hernösand ...	30.02	-8	W	0	b	29.96	-.12	-17	-18	-2	W	0	b	#	b	#	16	-18	-
	Stockholm ...	29.95	16	ENE	4	o	29.86	-.15	21	19	+9	ENE	4	S	#	o	#	21	5	-
	Wisby	29.81	28	ENE	6	S	29.74	-.17	27	26	+6	ESE	4	o	#	S	#	28	14	0.39
	Karlstad ...	29.88	18	E	4	o	29.75	-.11	19	18	+4	ENE	4	S	#	o	#	#	#	0.04
	Bodö	29.82	24	N	4	bc	29.77	-.03	16	13	-2	ENE	4	b	1	bc	#	25	12	-
	Christiansund ...	29.71	24	ESE	2	b	29.52	-.16	18	16	-3	ESE	2	b	3	b	#	27	18	-
	Skudesnaes ...	29.65	35	SSE	4	o	29.52	-.04	34	33	-5	ESE	6	S	4	o.rs	#	39	82	#
	Færder (Christiania Fjord)	29.80	23	ENE	5	o	29.71	-.04	21	20	-4	NNE	4	S	2	o	#	25	19	-
	Skagen (The Scaw)	29.72	35	NE	1	m	29.64	-.04	34	32	-1	SSE	2	c	0	m	#	36	32	0.04
	Fanö	29.71	35	WSW	2	b	29.62	-.12	32	31	-4	SW	1	c	#	b	#	41	32	-
	Sumburgh Head	29.51	36	ENE	4	o	29.32	-.09	35	34	-3	NE	4	o	6	r.o	#	46	24	0.67
	Stornoway ...	29.45	45	NE	3	b	29.24	-.10	37	36	-6	WSW	3	o	3	c.b	5.9	49	33	-
	Wick	29.46	42	E	2	bc	29.27	-.14	32	30	-8	E	1	bc	3	bc	#	49	29	-
	Nairn	29.44	43	W	0	c	29.31	-.09	31	30	-4	W	0	bc	1	c	#	51	29	-
	Aberdeen ...	29.45	41	S	1	cp	29.29	-.18	38	37	-2	NW	3	c	3	bc.c.r	4.4	46	36	0.04
British Islands.	Leith	29.44	44	WSW	1	bc	29.34	-.11	39	37	-3	W	2	o	#	bc	#	52	37	0.04
	Shields	29.52	46	SSW	2	cm	29.40	-.15	40	39	0	SW	2	bcw	2	c.cm	#	50	37	-
	Spurn Head ...	29.62	42	SSW	2	bc	29.47	-.17	39	38	+4	WSW	4	bw	3	bc	#	50	34	-
	York	29.58	47	WSW	1	c	29.46	-.15	39	38	+7	WSW	1	bc	#	c.p	3.3	50	30	0.02
	Loughborough ...	29.65	45	SSW	2	c	29.56	-.11	39	38	+10	SW	2	b	#	bcm.cq	#	52	29	-
	Ardrossan ...	29.42	45	SSW	4	cp	29.32	-.10	43	43	0	S	3	o	3	c.cp	#	47	39	0.03
	Malin Head ...	29.45	43	WNW	4	bcp	29.35	+.02	43	42	+1	WSW	4	o	2	bc.bcp	#	47	41	0.11
	Belmullet ...	29.64	45	NW	3	or	29.41	-.08	45	41	-1	W	6	r	#	b, or	#	49	40	0.08
	Donaghadee ...	29.51	45	WSW	1	b	29.41	-.05	39	38	-1	WSW	4	c	2	b	#	50	36	0.01
	Liverpool (Bidston)	29.60	45	WSW	3	b	29.50	-.11	43	41	+5	WSW	4	bc	3	p.b	#	49	38	0.02
	Holyhead ...	29.58	46	SW	3	cp	29.53	-.03	42	40	-3	WSW	4	c	3	c.cp	#	50	40	0.05
	Parsonstown ...	29.64	46	SW	1	b	29.52	-.02	37	37	-2	SE	1	o	#	b	9.0	52	35	-
	Valencia ...	29.75	48	WNW	5	cp	29.58	-.01	45	41	-2	SW	5	o	5	bcp.cp	5.5	49	41	0.17
	Roche's Point ...	29.60	48	NW	3	b	29.59	.00	40	39	-7	WSW	2	c	3	b	#	50	39	0.01
	Pembroke (St. Ann's Hd.)	29.66	47	W	4	b	29.61	-.01	45	44	0	WNW	4	bc	4	b	8.5	50	44	-
	Scilly	29.73	49	WNW	3	c	29.71	+.05	47	44	0	W	4	c	2	c	7.5	53	43	-
	Prawle Point ...	29.72	46	SSW	3	c	29.69	-.02	44	43	+2	WSW	3	bc	2	c	#	49	38	-
	Jersey (St. Aubin's)	29.76	46	SSW	2	c	29.73	+.02	42	42	+5	SE	1	bcmw	0	b,c	#	51	36	0.01
	Hurst Castle ...	29.73	45	WSW	3	c	29.67	-.04	42	41	+11	W	3	bm	2	b	#	47	29	-
	Dungeness ...	29.70	44	SW	3	bc	29.64	-.04	43	42	+2	W	3	bc	2	b,bc	#	51	38	-
	North Foreland																#			
	London (Brixton) ...	29.71	44	SW	2	bc	29.64	-.07	38	37	+12	WSW	2	b	#	b	4.6	51	26	-
	Oxford	29.72	43	SW	3	b	29.63	-.08	37	37	+7	WSW	1	om	#	b	#	51	30	-
	Cambridge ...	29.69	44	WSW	1	b	29.60	-.10	38	37	+14	SW	3	o	#	b	9.5	53	22	-
	Yarmouth ...	29.66	44	SSW	3	bc	29.55	-.12	38	36	+3	WSW	4	b	3	bc	#	49	30	-
Germany & Holland.	Cuxhaven ...	29.75	37	SSW	2	b	29.64	-.15	33	32	+6	SW	1	c	#	b	#	37	27	-
	Berlin	29.81	38	SSW	2	c	29.75	-.23	39	36	+12	SSW	3	c	#	c	#	43	27	-
	Wiesbaden ...	#	#	#	#	#	24.76	-.17	40	40	+14	W	0	o	#	#	#	43	26	-
	Munich	29.92	36	SE	2	b	29.86	-.13	33	30	+9	S	2	bc	#	b	#	48	24	-
	The Helder ...	29.70	37	SSW	1	b	29.58	-.13	34	34	+5	S	1	m	1	b	#	43	28	-
Belgium.	Brussels ...	#	#	#	#	#	29.72	-.05	39	38	+14	WSW	1	o	#	o	#	44	34	-
	Cape Gris Nez ...	?	42	W	2	b	?	?	46	43	+11	W	4	o	4	b	#	48	30	-
	Paris	29.80	46	S	2	o	29.76	-.02	41	40	+4	N	2	r	#	o	#	46	37	0.04
	Brest ...	29.76	48	W	1	bc	29.78	+.05	46	43	+9	NW	2	b	2	bc	#	52	34	-
	Lorient ...	29.76	46	NW	1	o	29.78	+.06	39	38	+2	E	1	c	2	o	#	55	36	0.04
France &	Rochefort ...	29.75	54	S	2	o	29.76	-.02	46	44	-2	SSE	1	o	#	o	#	59	43	0.16
	Belfort ...	29.87	46	WSW	3	o	29.85	-.08	37	36	-8	W	1	r	#	o	#	57	29	-
	Lyons	29.92	57	S	1	o	29.86	-.09	38	38	-4	SE	1	r	#	o	#	57	38	0.16
	Nice	30.06	46	E	8	c	30.00	-.09	42	33	+7	E	6	o	4	c	#	58	35	-
	Perpignan ...	29.91	46	SE	2	r	29.80	-.16	39	39	-8	SW	1	c	#	r	#	49	37	0.83
	Biarritz ...	29.68	58	S	4	bc	29.71	+.02	51	46	-3	SE	2	bc	2	bc	#	63	45	-
Peninsula.	Corunna ...																#			
	Lisbon	29.74	53	WSW	4	b	29.79	+.13	51	48	-2	NNE	3	o	#	b	#	59	50	0.16
	Azores (P. Delgada)	30.26	54	NNE	6	bc	30.85	+.21	53	50	-1	NNE	3	c	3	bc	#	59	50	0.04

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page*

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

Bright Sunshine yesterday Southport 5.1 hrs.

WEATHER CHARTS

FOR WEDNESDAY. 8TH March, 1899.

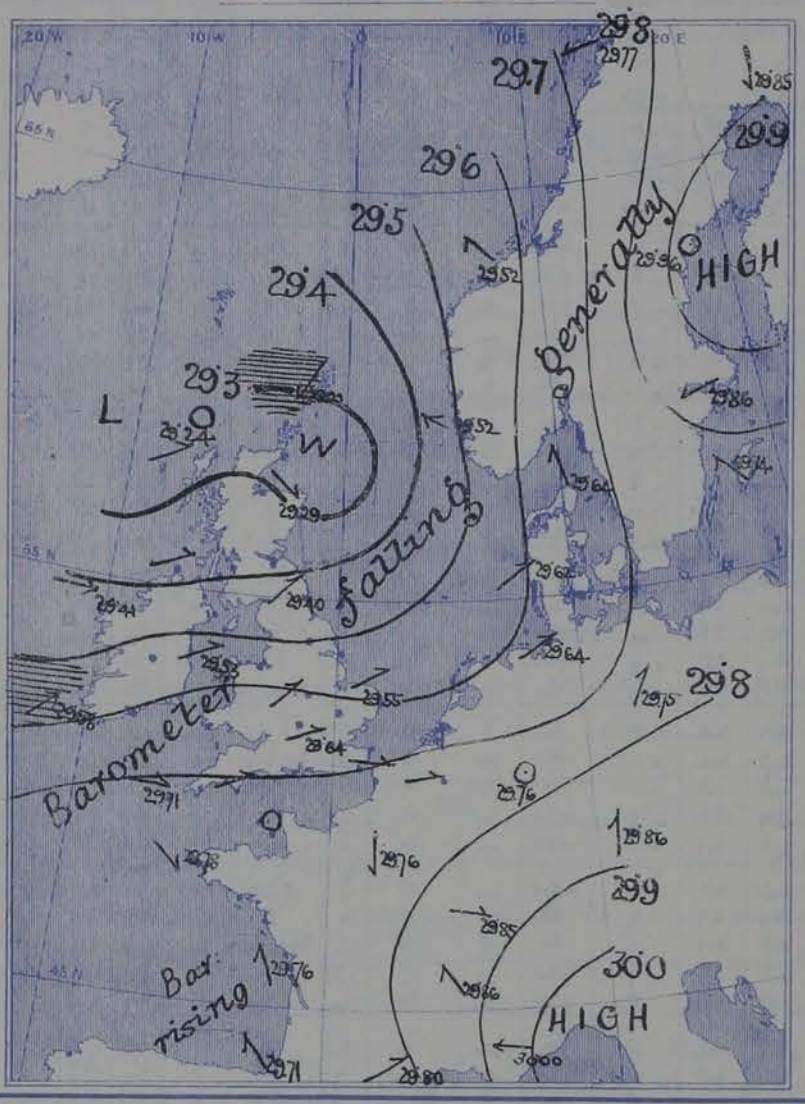
BAROMETER, WIND AND SEA.

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

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

Force above 10 ⟫⟶ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ⟩⟶ ; *Force 1 to 4* ⟶ ; Calm ⊙

SEA—*Rough* ; *High*

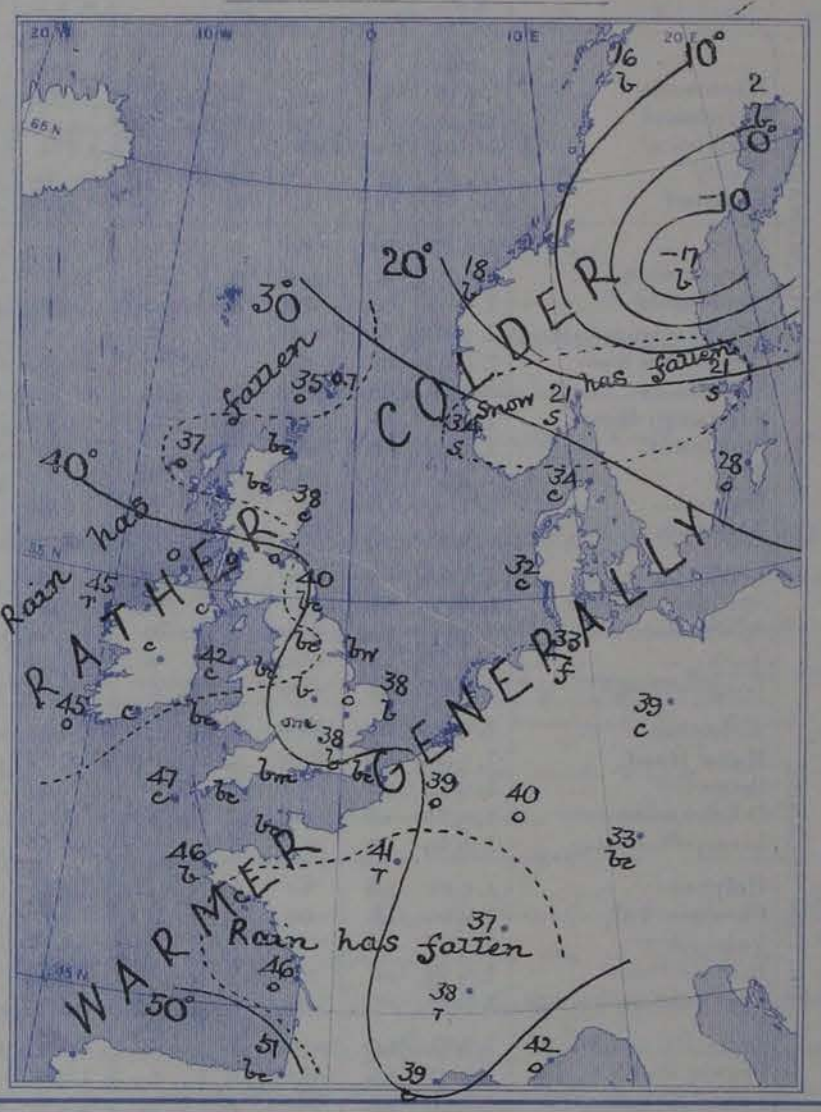


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF MARCH.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of Dry Bulb 8 a.m.	Means of Wet Bulb 8 a.m.	Means of Daily Maximum.	Means of Daily Minimum.	Absolute Extremes. Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·737	38·5	37·0	42·8	34·0	57	1893	18	1879	2·75	—	—
Stornoway	29·772	39·2	38·2	44·9	34·2	58	1872	13	1881	3·70	103·3	29
Wick	29·781	38·9	37·2	44·9	33·8	62	1894	15	1891	1·99	—	—
Nairn	29·802	37·9	36·2	45·9	33·4	65	1884	6	1892	1·68	—	—
Aberdeen	29·821	38·6	36·5	45·7	34·3	66	1889, 91, 92	10	1889	2·23	124·0	34
Leith	29·849	39·3	37·6	48·0	34·4	68	1884	19	1879, 81, 89	1·41	—	—
Shields	29·873	39·3	37·7	46·2	34·8	64	1884, 93	15	1889	1·74	—	—
Spurn Head	29·891	39·7	38·3	44·8	36·4	62*	1890, 93	24*	1886	1·19	—	—
York	29·904	38·5	36·9	48·4	33·8	68	1884, 92, 93	8	1883	1·66	109·1	30
Loughborough	29·931	38·6	36·9	49·8	33·8	69*	1884, 93	15*	1883	1·54	—	—
Ardrossan	29·861	40·1	38·6	46·4	36·1	63	1884	18	1891	2·30	—	—
Malin Head	29·842	41·0	39·3	46·5	38·5	—	—	—	—	—	—	—
Belmullet	29·882	43·2	41·4	48·4	39·3	—	—	—	—	3·80	—	—
Donaghadee	29·883	40·7	39·5	47·3	37·1	65	1874	25	1892	1·97	—	—
Holyhead	29·906	42·0	40·5	47·4	38·8	67	1894	27	1881	2·20	—	—
Liverpool	29·911	40·2	38·1	47·2	36·7	66	1871	21	1886	1·67	—	—
Parsonstown	29·925	40·1	38·6	49·9	34·9	66	1894	18	1891	2·20	114·7	32
Valencia	29·929	44·8	42·8	51·0	40·3	64	1871, 94	27	1886, 91, 92	3·87	135·3	37
Roche's Point	29·930	43·3	41·5	49·7	39·5	60	1895	27	1890	3·38	—	—
Pembroke	29·930	42·1	40·4	46·6	39·0	58	1872	26	1888	2·26	139·9	38
Scilly	29·946	46·0	44·1	49·5	42·3	59	1893	30	1883, 90, 91	2·28	—	—
Prawle Point	29·960	42·7	41·2	48·2	37·7	62*	1893, 95	23*	1883, 88, 90	1·88	—	—
Jersey	29·965	44·0	41·9	49·7	39·8	66	1871, 93, 94	21	1890	2·24	160·2	44
Hurst Castle	29·955	41·0	39·9	47·9	37·1	62	1877	21	1887	1·78	—	—
Dover	29·936	40·6	39·2	46·5	36·6	59	1894	13	1890	1·74	—	—
LONDON	29·949	40·0	38·1	50·1	35·2	71	1871	15	1890	1·43	72·3†	20†
Oxford	29·951	38·7	37·2	49·3	34·5	67	1884, 93	15	1891	1·50	119·7	33
Cambridge	29·941	38·8	37·4	50·6	32·9	70	1893, 94	14	1889, 90	1·34	127·4	35
Yarmouth	29·916	40·1	38·5	45·2	35·3	62	1884, 89	18	1892	1·73	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 29·9 ins: and upwards over the southern half of the Gulf of Bothnia and also over Switzerland and the southeast of France.
Lowest, 29·3 ins: and less, in a depression over the north of Scotland.
Gradients slight. Barometer falling generally, but rising a little in the west of France.

TEMPERATURE

Highest, 51° at Biarritz and Lisbon, 47° at Scilly, 46° at Brest and Rochefort, and 45° at Belmullet, Valencia (Ireland) and Pembroke.
Lowest, −17° F. at Haparanda, +2° at Haparanda, and 16° at Bodö; lowest in our Islands 31° at Nairn.
During yesterday the thermometer rose to 50° or slightly above it in many parts of the United Kingdom, and to 53° at Scilly and Cambridge.

WIND

SW' to W' in our Islands, light to moderate in force generally, but fresh or strong in the west of Ireland
Light from the S^nd over the southern parts of France, as well as in Germany and Denmark; E' at the Scandinavian stations.

WEATHER

Fair or fine over the greater part of the United Kingdom, but dull at some of our western and northern stations with rain at Belmullet.
Fine also over the northern parts of Scandinavia, but cloudy over the western parts of the Continent generally, with rain over Central France and snow in the south of Scandinavia.
Showers fell yesterday at several of our western and northern stations and heavy rain at Dunbeath Hd. Solar halos were seen yesterday at Oxford and Jersey.

SEA

Slight or smooth generally, but rough at Dunbeath Head, and rather rough at Valencia (Ireland).

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer is falling briskly in the west of Ireland, and new depressions are evidently advancing from the Atlantic. Freshening SW' and W' winds are probable in many places, with an extension of unsettled rainy weather from the westward.

FORECASTS

For the 24 hours ending at NOON on 9TH MARCH 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	W^ly to S^ly winds, freshening; fine at first, some rain later.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Same as No 5
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	W^ly to SW^ly winds, freshening; fair at first, some rain later.
6	SCOTLAND WEST	SW^ly to W^ly winds, strong in places; cloudy, unsettled, some rain.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.62	36	35	SSE	7	0	5	Valencia	29.69	49	[illegible]	WNW	4	bcp	5
Sumburgh Head	29.49	38	38	ENE	4	c	5	Scilly	29.70	52	48	WSW	3	c	2
Stornoway	29.41	49	45	ESE	2	c	2	Jersey	29.75	50	43	W	3	bc	3
Aberdeen	29.45	45	40	SSE	3	bc	3	Hurst Castle ...	29.72	47	43	SW	3	bc	1
Shields	29.53	48	[illegible]	SW	2	c	2	Dungeness ...	29.69	48	[illegible]	SW	3	bc	2
Ardrossan	29.43	47	46	SSW	4	c	4	North Foreland							
Malin Head ...	29.40	[illegible]	43	W	4	bc	3	London (Westminster)	29.69	51	43	SW	1	bc	*
Belmullet	29.59	49	[illegible]	WNW	3	c	*	Yarmouth ...	29.66	45	37	SSW	2	bc	3
Holyhead	29.58	48	45	SW	4	c	3	Rochefort ...	29.75	54	51	S	3	0	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine over the United Kingdom generally, but foggy or misty at some of the English stations, and showery on our extreme northwest coasts. Fine over Italy and the central and southern parts of Germany, as well as over Finland and the Gulf of Bothnia; cloudy or dull in most other parts of the Continent, with rain at many of the French stations, and snow at Bodö, Wisby and Memel. Showers falling later at several of our own western and northern stations.

Temperature risen over Germany, France, and the extreme west and south of our Islands, fallen elsewhere. Morning readings highest 58° at Bilbao and Algiers, and 57° at Malta and Oran, above 50° at several of the Mediterranean and Spanish coast stations. Lowest −21° F. at Haparanda, −17° at Ulealborg, and −15° at Hernösand. Considerably below the freezing point over northern, eastern and central Europe generally, and also over inland parts of the south of England. Rising during day to 50° or slightly above it in many parts of the United Kingdom, exceeding 55° in the west and south of France, and reaching 63° at Biarritz.

Wind light to moderate from the W^ward over Iceland and the southwest of England, and from the S^ward over the northern parts of Great Britain and the western parts of the Continent. Cyclonic circulation of very light breezes reported over the English Channel. Calm in the Gulf of Bothnia; E^ly in the south of Sweden, with a gale at Wisby; light from the NW^ward over northern Russia, variable in the south of that country and in Austria, SE^ly in Germany, E^ly over northern Italy and the extreme south of France. Subsequently veering to the NW^ward in Ireland; no important change occurring elsewhere.

Barometer highest 30·3 in: and upwards in Austria; 30·0 in: and upwards in one anticyclone covering the eastern parts of Europe generally. Lowest 29·4 in: and less. in a shallow depression off the west of Scotland; 29·5 in: and less. in another disturbance over northern Russia. Scotch depression subsequently moving slowly eastwards, and barometer rising on our western coasts.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Thursday, 9th March, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.86	-13	NW	0	b	29.94	+.09	-26	-27	- 28	S	2	b	#	b	#	10	?	-
	Hernösand ...	29.86	10	NW	0	b	29.89	-.07	12	12	+ 29	S	2	o	#	b	#	12	-18	-
	Stockholm ...	29.77	23	NW	0	o	29.77	-.09	17	17	- 4	ENE	2	o	#	o	#	25	12	-
	Wisby	29.60	29	ESE	4	o	29.68	-.06	29	28	+ 1	ESE	4	o	#	o	#	30	25	-
	Karlstad ...	29.65	22	ENE	4	o	29.73	-.02	23	22	+ 4	ENE	2	s	#	o	#	#	#	-
	Bodö	29.71	13	ENE	4	b	29.73	-.04	13	?	- 3	ENE	3	b	1	b	#	21	9	-
	Christiansund ...	29.37	29	ESE	2	c	29.41	-.11	30	27	+ 12	ESE	1	bc	3	c	#	30	18	-
	Skudesnaes ...	29.32	36	ESE	6	o	29.36	-.16	37	34	+ 9	E	8	o	4	o	#	37	32	#
	Færder (Christiania Fjord)	29.54	31	E	3	o	29.63	-.08	28	26	+ 7	E	5	o	3	o	#	30	21	-
	Skagen (The Scaw)	29.50	35	SE	2	bc	29.54	-.10	34	33	0	SSE	5	m	1	bc	#	36	32	-
	Fanö	29.44	39	SW	2	c	29.42	-.20	35	35	+ 3	S	4	m	#	c	#	39	32	-
British Islands	Sumburgh Head	29.08	40	NE	3	o	29.13	-.19	40	39	+ 5	ESE	1	c	5	o	#	40	35	0.14
	Stornoway ...	28.93	42	SE	4	o	29.02	-.22	41	40	+ 4	E	3	o	3	c.hp.o	1.9	44	35	0.03
	Wick	29.03	40	S	3	c	29.04	-.23	41	40	+ 9	SE	4	r	4	c	#	45	30	0.03
	Nairn	28.99	39	S	1	c	28.96	-.35	39	39	+ 8	E	2	o	2	c	#	47	30	0.02
	Aberdeen ...	29.07	41	SW	4	o g q r	28.93	-.36	40	39	+ 2	SE	5	o g r q	5	c.g r q	1.8	45	38	0.12
	Leith	29.05	41	SSW	2	o	28.90	-.44	38	37	- 1	S	1	o	#	o	#	45	35	0.12
	Shields	29.15	43	SW	1	o	28.92	-.48	37	36	- 3	SW	1	cm	2	p.or	#	43	35	0.09
	Spurn Head ...	29.25	44	S	4	o	28.99	-.48	39	38	0	WSW	2	c	3	o.q	#	48	38	0.09
	York	29.22	44	S	1	o	28.96	-.50	37	37	- 2	SW	1	b	#	c.or	2.1	47	35	0.15
	Loughborough ...	29.30	41	SW	2	o	29.01	-.55	36	35	- 3	W	2	b	#	c.o p.bc	#	50	35	0.16
	Ardrossan ...	28.99	42	S	4	o p	28.91	-.41	41	41	- 2	W	4	c p	2	c.o p	#	44	36	0.15
	Malin Head ...	28.88	39	SW	5	c r s p	28.98	-.37	40	39	- 3	NNW	5	b c h q	3	o.r s p	#	43	36	0.24
	Belmullet ...	29.04	42	WNW	5	bc	29.16	-.25	41	38	- 4	NNW	3	r	#	r.q h p	#	45	34	0.55
	Donaghadee ...	28.98	40	SW	7	r	28.98	-.43	36	35	- 3	W	5	bc	3	r	#	44	33	0.06
	Liverpool (Bidston)	29.15	40	SSE	2	o p	29.01	-.49	37	37	- 6	WSW	2	r	2	c.p	#	46	36	0.10
	Holyhead ...	29.06	42	S	7	r q	29.01	-.52	40	39	- 2	WNW	4	c	3	o p.r q	#	45	38	0.28
	Parsonstown ...	29.05	39	SW	1	c	29.09	-.43	31	31	- 6	SW	1	c m	#	o.c	0.8	52	30	0.23
	Valencia ...	29.19	43	NW	6	c q p r h	29.11	-.47	40	38	- 5	NNE	5	o p	5	o r.q r h	0.8	47	39	0.70
	Roche's Point ...	29.14	44	W	4	b c p	29.05	-.54	38	37	- 2	NNE	3	e p	3	r.b c p	#	48	36	0.18
	Pembroke (St. Ann's Hd.)	29.14	43	SW	6	r	29.05	-.56	42	40	- 3	NNW	3	bc	4	o r	0.0	47	35	0.13
	Scilly	29.28	45	SSW	7	r	29.06	-.65	41	40	- 6	W	6	c h q	4	o.r	0.4	50	39	0.45
	Prawle Point ...	29.35	43	WSW	6	o	29.10	-.59	41	40	- 3	W	3	c p	2	o q	#	49	35	0.26
	Jersey (St. Aubin's)	29.54	48	WSW	4	c q	29.14	-.59	46	42	+ 4	WSW	5	b c p	4	c.g p	#	52	42	0.29
	Hurst Castle ...	29.41	46	SW	5	o m	29.08	-.59	42	41	0	W	4	c	3	c.o m.r	#	50	39	0.26
	Dungeness ...	29.45	46	SW	4	c q	29.07	-.57	44	43	+ 1	SW	4	c p	4	c.c q	#	51	42	0.08
	North Foreland																#			
	London (Brixton) ...	29.41	45	SW	4	o	29.08	-.56	40	38	+ 2	SW	2	c	#	b.c.o r q	3.1	52	38	0.05
	Oxford	29.25	43	SW	3	o	29.06	-.57	37	36	0	SW	1	bc	#	c.o r	#	49	36	0.08
	Cambridge ...	29.34	45	SW	4	o	29.05	-.55	39	39	+ 1	SW	2	b	#	bc.o r q	4.7	52	36	0.05
	Yarmouth ...	29.36	45	SW	3	c	29.03	-.52	44	42	+ 6	SW	4	c	4	bc.c	#	48	36	0.05
Germany & Holland	Cuxhaven ...	29.53	36	SW	2	bc	29.42	-.22	34	33	+ 1	S	2	c	#	bc	#	41	32	-
	Berlin	29.58	42	SW	2	r	29.56	-.19	39	38	0	SSE	3	r	#	r	#	48	37	0.32
	Wiesbaden ...	*	*	*	*	*	29.45	-.31	41	40	+ 1	SE	1	r	#	*	#	43	39	0.51
	Munich	29.69	40	W	0	c	29.60	-.26	36	34	+ 3	SE	4	b	#	c	#	48	32	-
	The Helder ...	29.43	41	SW	2	bc	29.21	-.37	39	38	+ 5	SSE	2	o	1	bc	#	46	34	-
Belgium.	Brussels ...	*	*	*	*	*	29.27	-.45	41	39	+ 2	S	6	r	#	b	#	49	34	0.04
	Cape Gris Nez	?	43	WNW	5	r	?	?	45	42	- 1	SW	6	r	6	r	#	50	39	0.08
	Paris	29.62	42	SSW	2	o	29.31	-.45	42	41	+ 1	S	5	r	#	o	#	43	38	0.20
	Brest	29.56	48	WSW	5	o	29.23	-.53	43	41	- 3	WNW	4	c	3	o	#	50	41	0.12
	Lorient	29.60	48	W	5	o	29.24	-.54	44	42	+ 5	NW	5	c	5	o	#	55	39	0.16
France	Rochefort ...	29.69	48	S	4	c	29.33	-.43	49	47	+ 3	WSW	6	o	#	o,c	#	54	45	0.16
	Belfort ...	29.76	39	W	1	r	29.52	-.33	44	41	+ 7	SW	3	o	#	r	#	46	37	0.39
	Lyons ...	29.74	47	S	3	o	29.53	-.33	48	44	+ 8	SSW	2	o	#	o	#	51	38	0.04
	Nice	29.63	50	W	0	r	29.73	-.27	48	43	+ 1	E	1	o	5	r	#	46	39	0.32
	Perpignan ...	29.77	52	S	1	c	29.58	-.22	48	48	+ 9	NE	1	o	#	o	#	59	39	-
	Biarritz ...	29.75	53	WNW	4	o	29.49	-.22	49	46	- 2	WSW	4	r	4	o	#	61	46	0.28
Peninsula.	Coruna ...																#			
	Lisbon	29.89	53	NNW	5	b	29.83	+.04	53	52	+ 2	WNW	3	o	#	b	#	59	50	-
	Azores (P. Delgada)	30.43	55	N	7	bc	30.38	+.03	56	53	+ 3	NNW	3	o	2		#	59	53	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

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

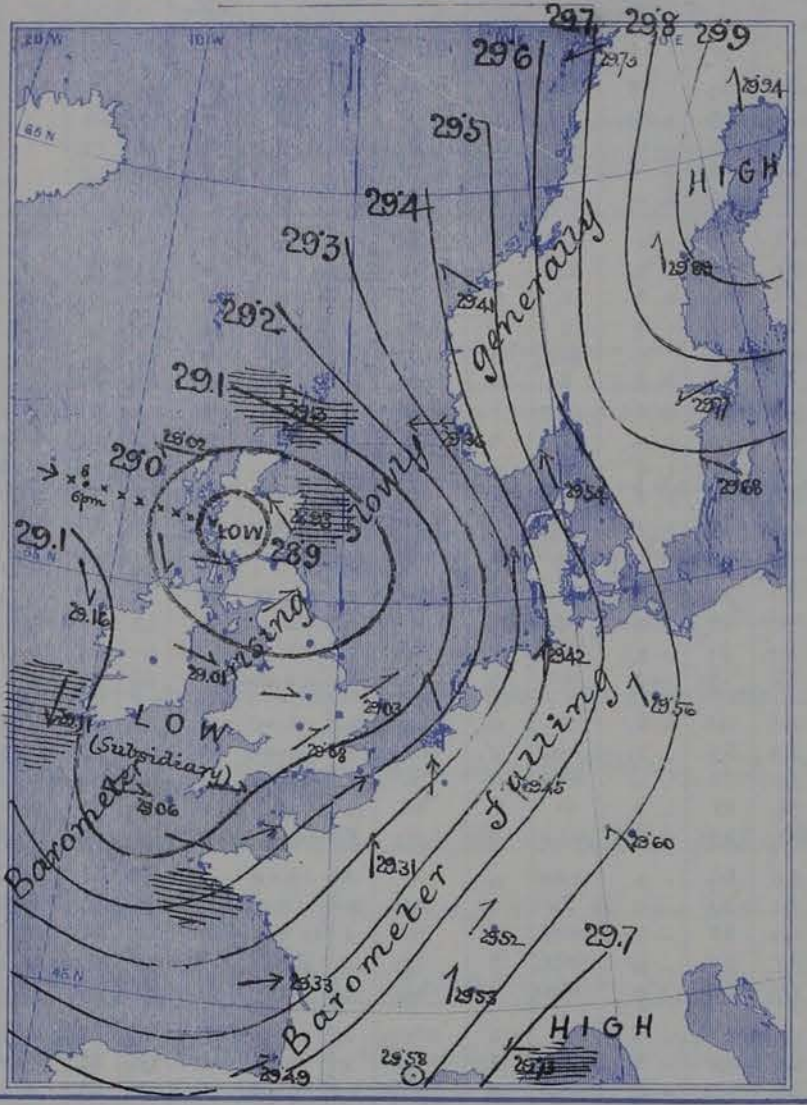
Bright Sunshine yesterday Southport 2.1 hrs;

WEATHER CHARTS

FOR Thursday, 9th March, 1899.

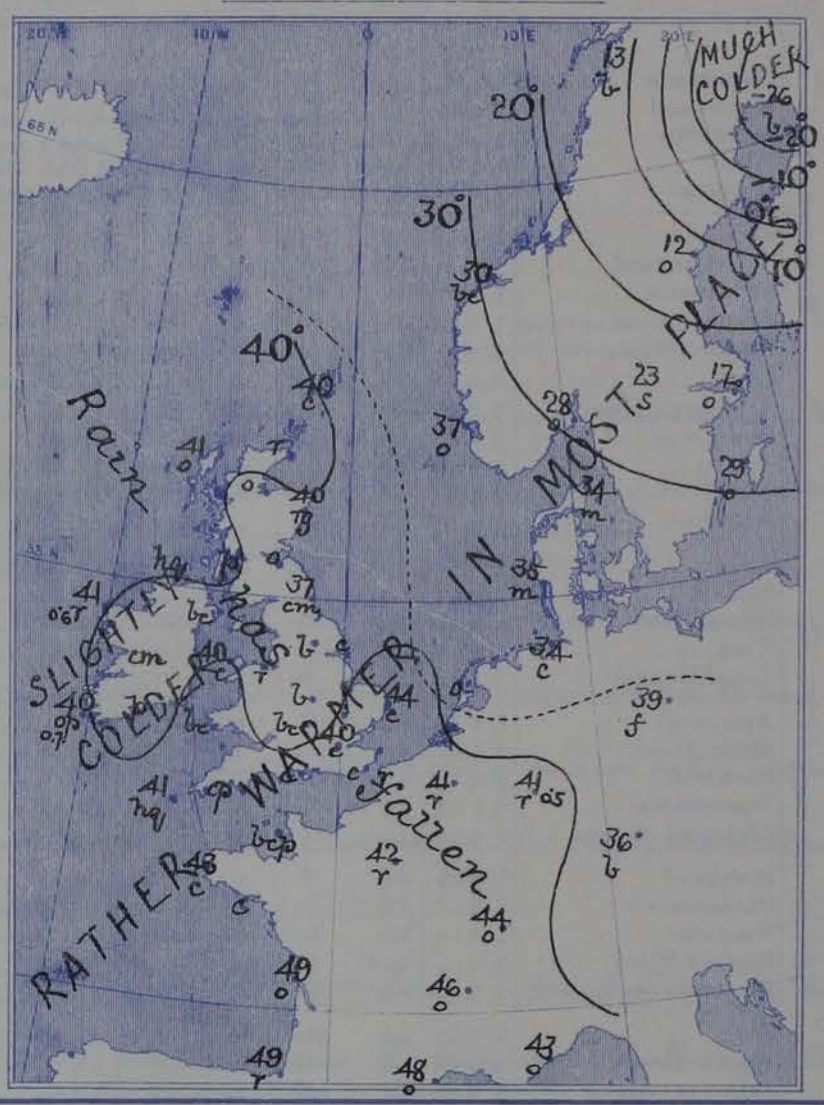
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ⟶⟶ ; Force 5 to 7 ⟶ ; } Calm ⊙
Force 8 to 10 ⟶ ; Force 1 to 4 ⟶ ; }
SEA—Rough ▤ ; High ▬



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
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.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF MARCH.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 737	38 · 5	37 · 0	42 · 8	34 · 0	57	1893	18	1879	2 · 75	—	—
Stornoway	29 · 772	39 · 2	38 · 2	44 · 9	34 · 2	58	1872	13	1881	3 · 70	103 · 3	29
Wick	29 · 781	38 · 9	37 · 2	44 · 9	33 · 8	62	1894	15	1891	1 · 99	—	—
Nairn	29 · 802	37 · 9	36 · 2	45 · 9	33 · 4	65	1884	6	1892	1 , 68	—	—
Aberdeen	29 · 821	38 · 6	36 · 5	45 · 7	34 · 3	66	1889, 91, 92	10	1889	2 · 23	124 · 0	34
Leith	29 · 849	39 · 3	37 · 6	48 · 0	34 · 4	68	1884	19	1879, 81, 89	1 · 41	—	—
Shields	29 · 873	39 · 3	37 · 7	46 · 2	34 · 8	64	1884, 93	15	1889	1 · 74	—	—
Spurn Head	29 · 891	39 · 7	38 · 3	44 · 8	36 · 4	62*	1890, 93	24*	1886	1 · 19	—	—
York	29 · 904	38 · 5	36 · 9	48 · 4	33 · 8	68	1884, 92, 93	8	1883	1 · 66	109 · 1	30
Loughborough	29 · 931	38 · 6	36 · 9	49 · 8	33 · 8	69*	1884, 93	15*	1883	1 · 54	—	—
Ardrossan	29 · 861	40 · 1	38 · 6	46 · 4	36 · 1	63	1884	18	1891	2 · 30	—	—
Malin Head	29 · 842	41 · 0	39 · 3	46 · 5	38 · 5	—	—	—	—	—	—	—
Belmullet	29 · 882	43 · 2	41 · 4	48 · 4	39 · 3	—	—	—	—	3 · 80	—	—
Donaghadee	29 · 883	40 · 7	39 · 5	47 · 3	37 · 1	65	1874	25	1892	1 · 97	—	—
Holyhead	29 · 906	42 · 0	40 · 5	47 · 4	38 · 8	67	1894	27	1881	2 · 20	—	—
Liverpool	29 · 911	40 · 2	38 · 1	47 · 2	36 · 7	66	1871	21	1886	1 · 67	—	—
Parsonstown	29 · 925	40 · 1	38 · 6	49 · 9	34 · 9	66	1894	18	1891	2 · 20	114 · 7	32
Valencia	29 · 929	44 · 8	42 · 8	51 · 0	40 · 3	64	1871, 94	27	1886, 91, 92	3 · 87	135 · 3	37
Roche's Point	29 · 930	43 · 3	41 · 5	49 · 7	39 · 5	60	1895	27	1890	3 · 38	—	—
Pembroke	29 · 930	42 · 1	40 · 4	46 · 6	39 · 0	58	1872	26	1888	2 · 26	139 · 9	38
Scilly	29 · 946	46 · 0	44 · 1	49 · 5	42 · 3	59	1893	30	1883, 90, 91	2 · 28	—	—
Prawle Point	29 · 960	42 · 7	41 · 2	48 · 2	37 · 7	62*	1893, 95	23*	1883, 88, 90	1 · 88	—	—
Jersey	29 · 965	44 · 0	41 · 9	49 · 7	39 · 8	66	1871, 93, 94	21	1890	2 · 24	180 · 2	44
Hurst Castle	29 · 955	41 · 0	39 · 9	47 · 9	37 · 1	62	1877	21	1887	1 · 78	—	—
Dover	29 · 936	40 · 6	39 · 2	46 · 5	36 · 6	59	1894	13	1890	1 · 74	—	—
LONDON	29 · 949	40 · 0	38 · 1	50 · 1	35 · 2	71	1871	15	1890	1 · 43	72 · 3†	20†
Oxford	29 · 951	38 · 7	37 · 2	49 · 3	34 · 5	67	1884, 93	15	1891	1 · 50	119 · 7	33
Cambridge	29 · 941	38 · 8	37 · 4	50 · 6	32 · 9	70	1893, 94	14	1889, 90	1 · 34	127 · 4	35
Yarmouth	29 · 916	40 · 1	38 · 5	45 · 2	35 · 3	62	1884, 89	18	1892	1 · 73	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 29·9 in: and upwards, over the Gulf of Bothnia; 29·8 in: and upwards over the southern parts of the Spanish Peninsula.
Lowest, 28·9 in: and less, in a depression with its centre over Central Scotland.
Gradients slight generally, but moderate over the eastern parts of the North Sea.
Barometer rising in most parts of the United Kingdom and also in Scandinavia, but falling in France, Germany, and the Netherlands.

TEMPERATURE

Highest, 53° at Lisbon, 49° at Rochefort and Biarritz, 48° at Perpignan, 46° at Jersey and Lyons, and 45° at Cape Gris Nez.
Lowest, -26° F. at Haparanda, +12° at Hernösand and 13° at Bodö; lowest in our Islands 31° at Aberystwyth, and 36° at Donaghadee and Lerwick.
Generally yesterday the thermometer has risen to 50° or slightly above it at several of our central and southern stations. On our extreme north and northeast coasts it did not reach 45°.

WIND

Light to fresh from the W^ard or SW^ard over England, and strong from the same quarters in the north and west of France
S^ly or SE over Germany, Denmark, and the Netherlands; E in Scandinavia and the north of Scotland, with a gale at Thurso.
N^ly or NW^ly in Ireland and Wales.

WEATHER

Cloudy and unsettled over Western Europe as a whole, with rain or sleety showers in many places, hail at Mullingar, Tully, and snow at Karlstad
Fine over Central England and also over the northern parts of Scandinavia
Since yesterday morning rain has fallen over nearly the whole of Western Europe, the largest amounts being 0·7 in. at Valencia (Ireland) and 0·6 inch at Belmullet. A solar halo was seen yesterday at Jersey.

SEA

Rough at Cape Gris Nez, and rather rough on the French coasts generally, as well as at Valencia (Ireland) and off the northeast of Scotland.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

In the course of the past night the centre of a well marked depression has advanced over Scotland from the westward. Secondary systems are now moving eastwards across our southern districts, and changeable showery weather is likely to continue for a time in most districts.

FORECASTS

For the 24 hours ending at NOON on 10th MARCH 1899.

	DISTRICTS.	FORECASTS.
0	SCOTLAND NORTH	E^ly winds, fresh or strong; changeable, some cold rain or sleet.
1	SCOTLAND EAST	
2	ENGLAND N.E.	SW^ly to W^ly or NW^ly winds, light; changeable, some cold showers.
▼ 3	ENGLAND EAST	
4	MIDLAND COUNTIES	
▼ 5	ENGLAND SOUTH	SW^ly to W^ly or NW^ly winds, fresh; changeable, some showers, colder.
▼ 6	SCOTLAND WEST	N^ly and NW^ly winds, strong in places; squally, some cold showers.
▼ 7	ENGLAND N.W.	
▼ 8	ENGLAND S.W.	
▼ 9	IRELAND NORTH	
▼ 10	IRELAND SOUTH	

WARNINGS

At 0·30 pm yesterday to districts 6 to 10, and at 7·20 pm to districts 3 and 5. "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.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA	SEA.
Skudesnaes ...	29.39	37	35	ESE	4	0	4	Valencia	29.23	45	43	W	5	cr	6
Sumburgh Head	29.16	39	38	NE	4	0	6	Scilly	29.51	48	46	WSW	6	0	4
Stornoway	29.05	44	41	SW	3	0	3	Jersey	29.64	50	45	SW	4	c	3
Aberdeen	29.15	43	40	S	3	c	3	Hurst Castle ...	29.54	48	45	SW	4	c	2
Shields	29.27	45	43	WSW	2	cp	2	Dungeness ...	29.53	49	46	SW	4	c	3
Ardrossan	29.15	43	43	S	4	c	3	North Foreland							
Malin Head ...	29.00	40	40	SSW	6	0	3	London (Westminster)	29.51	52	45	SW	3	0	*
Belmullet	29.09	41	40	WSW	3	r	*	Yarmouth ...	29.44	48	43	WSW	3	bc	3
Holyhead	29.30	45	43	SW	4	cp	3	Rochefort ...	29.73	54	52	S	3	0	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fair or fine over the greater part of the United Kingdom, but dull at some of our western and northern stations, with rain at Belmullet. Fine over Austria, Italy, and Greece, and also over Finland and the north of Scandinavia; cloudy or dull in most other parts of the Continent, with rain at many of the French stations, and snow in the south of Scandinavia, as well as at Moscow. Rain falling later in most parts of Western Europe,—heavily in the west of Ireland. Solar halo seen at Jersey.

Temperature fallen a little in Ireland, Scotland, Norway, and Denmark, and more decidedly in Russia, risen in most other countries. Morning readings highest 60° at Algiers, 58° at Oporto, and 57° at Tunis; above 50° at several of the Mediterranean and Spanish coast stations. Lowest −17° F. at Hernösand, −12° at Kuopio, and −8° at Helsingfors; considerably below the freezing point over Scandinavia, Russia, and Austria generally, and slightly below it over Central Scotland. Rising during day to 50° or slightly above it at many of our own central and southern stations; exceeding 50° also in the west and south of France, and reaching 61° at Biarritz.

Wind SW. to W. over our Islands, light to moderate in force generally, but strong in the west of Ireland. Light from the S. over Germany and Denmark; E. in Scandinavia and also in the northeast of Scotland. Variable in Russia and Austria, N. or NE. in Italy and Spain; E. or SE. in the south of France. Subsequently increasing to a moderate gale from the S. or SW. on many parts of our western coasts, but veering to the NW. in Ireland.

Barometer highest 30·4 in. and upwards over Eastern Austria; 30·1 in. and upwards in an anticyclone covering the southeastern parts of Europe generally. Lowest 29·3 in. and less, in a shallow depression over the north of Scotland. New and deeper disturbance appearing later off our extreme northwest coasts, and barometer falling briskly in nearly all parts of the United Kingdom.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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

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DAILY WEATHER REPORT

for 8 a.m. on Friday, 10th March, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)								PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	30·06	-7	NW	0	b	30·06	+·12	6	6	+ 32	NW	0	S	*	b	*	?	-31	-
	Hernösand ...	30·02	-2	NW	0	b	30·05	+·16	12	12	0	NW	0	f	*	b	*	18	-2	-
	Stockholm ...	30·00	20	E	2	0	30·04	+·27	24	24	+ 7	ENE	2	0	*	0	*	25	16	-
	Wisby	29·92	28	ESE	4	0	29·98	+·30	32	31	+ 3	SE	4	0	*	0	*	32	25	-
	Karlstad ...	29·92	23	E	2	m	29·96	+·23	25	24	+ 2	ENE	4	0	*	m	*	*	*	-
	Bodö	29·88	15	E	2	b	29·89	+·16	15	12	+ 2	E	4	b	1	b	*	16	10	-
	Christiansund ...	29·64	33	ESE	2	bc	29·70	+·29	32	30	+ 2	ESE	2	bc	3	bc	*	37	28	-
	Skudesnaes ...	29·61	38	ESE	6	0	29·67	+·31	34	34	- 3	E	4	ors	3	0	*	40	32	*
	Færder (Christiania Fjord)	29·82	29	NE	4	0	29·87	+·24	28	27	0	NE	4	S	2	0	*	29	27	-
	Skagen (The Scaw)	29·75	35	ESE	3	bc	29·78	+·24	35	35	+ 1	SE	4	r	1	bc	*	36	32	0·04
	Fanö	29·56	39	SSE	5	0	29·72	+·30	41	40	+ 6	SW	1	0	*	0	*	43	34	0·20
British Islands.	Sumburgh Head	29·39	42	ESE	4	0	29·51	+·38	41	39	+ 1	ESE	2	0	6	0	*	44	36	0·09
	Stornoway ...	29·37	44	NNE	3	b	29·54	+·52	41	40	0	WSW	3	0	3	c, c, b	4·1	46	35	-
	Wick	29·29	40	E	5	r	29·53	+·49	39	37	- 2	W	2	0	3	r	*	43	37	0·35
	Nairn	29·27	42	E	2	r	29·58	+·62	41	40	+ 2	W	1	c	1	r	*	43	37	0·43
	Aberdeen ...	29·23	41	NE	3	c	29·59	+·66	42	40	+ 2	WSW	2	c	1+	og, c	0·1	44	38	0·04
	Leith	29·21	40	W	0	0	29·66	+·76	40	38	+ 2	WSW	1	om	*	0	*	41	36	-
	Shields	29·20	41	SW	1	ga	29·67	+·75	38	37	+ 1	WSW	2	cm	2	c, ga	*	48	33	0·02
	Spurn Head ...	29·28	41	S	2	c	29·71	+·72	39	38	0	W	3	bw	2	c pm	*	48	36	0·01
	York	29·23	43	SW	1	bc	29·72	+·76	35	34	- 2	W	1	b	*	hp, bc	3·1	49	33	0·15
	Loughborough ...	29·31	41	WSW	1	b	29·76	+·75	37	36	+ 1	WNW	1	b	*	h. cp. b	*	47	36	0·01
	Ardrossan ...	29·22	44	NW	2	bcm	29·69	+·78	45	44	+ 4	SSW	3	O	2	cm, bcm	*	45	39	-
	Malin Head ...	29·33	45	NNW	6	crhq	29·70	+·72	44	43	+ 4	SW	3	c	2	bc, rhq	*	45	39	0·04
	Belmullet ...	29·56	47	N	5	bp	29·84	+·68	47	44	+ 6	WSW	4	O	*	c, bp	*	49	38	0·06
	Donaghadee ...	29·27	47	N	5	b	29·76	+·78	41	40	+ 5	W	3	c	1	c	*	47	34	0·01
	Liverpool (Bidston)	29·28	42	W	4	0	29·78	+·77	44	42	+ 7	W	4	O	3	hp, r	*	45	37	0·24
	Holyhead ...	29·30	44	W	3	cp	29·81	+·80	45	43	+ 5	W	3	c	2	bc. cp	*	46	39	0·06
	Parsonstown ...	29·45	45	NW	1	c	29·87	+·78	39	39	+ 8	SW	1	om	*	c p	5·6	49	30	0·03
	Valencia ...	29·58	48	N	4	c	29·95	+·84	48	45	+ 8	WSW	3	o	4	bc. c	6·7	49	38	0·12
	Roche's Point ...	29·46	47	NNW	5	b	29·94	+·89	45	43	+ 7	NNW	3	c	3	b	*	50	38	-
	Pembroke (St. Ann's Hd.)	29·49	47	W	4	b	29·90	+·85	45	42	+ 3	NW	4	b	4	b	9·7	47	41	0·02
	Scilly	29·40	46	N	6	cp	29·94	+·88	48	45	+ 7	NNW	4	c	4	o q. cp	3·9	48	40	0·14
	Prawle Point ...	29·39	42	NNW	2	bc	29·92	+·82	43	41	+ 2	NNW	2	b	2	p. bc	*	48	37	0·01
	Jersey (St. Aubin's)	29·31	48	SSE	2	cq	29·91	+·77	44	42	- 2	NNW	3	cmw	3	bcp. cq	*	54	36	0·02
	Hurst Castle ...	29·35	46	SW	2	bc	29·86	+·78	42	40	0	W	3	bm	2	bc	*	49	38	-
	Dungeness ...	29·34	45	SW	3	bc	29·81	+·74	44	42	0	WSW	3	bc	2	b. bc	*	50	35	-
	North Foreland																*			
	London (Brixton) ...	29·34	45	SW	1	bc	29·82	+·74	37	36	- 3	WSW	2	b	*	bc. b	4·2	50	34	-
	Oxford	29·45	39	WSW	2	b	29·84	+·78	36	35	- 1	SW	2	b	*	b	*	50	33	-
	Cambridge ...	29·35	41	WNW	1	b	29·79	+·74	37	36	- 2	SW	2	b	*	b	4·8	51	29	-
	Yarmouth ...	29·33	43	WNW	1	bc	29·76	+·73	39	37	- 5	WSW	3	b	3	c. bc	*	46	33	-
Germany & Holland.	Cuxhaven ...	29·47	41	E	2	0	29·73	+·31	41	40	+ 7	S	1	O	*	O	*	43	34	-
	Berlin	29·60	48	SSE	3	0	29·79	+·23	39	36	0	SSE	2	bc	*	O	*	52	37	-
	Wiesbaden ...	*	*	*	*	*	29·79	+·84	41	40	0	W	1	O	*	*	*	48	37	0·08
	Munich	29·56	43	SE	4	b	29·80	+·20	39	37	+ 3	S	2	bc	*	O	*	57	36	-
	The Helder ...	29·38	39	SSW	1	bc	29·74	+·53	30	30	- 9	S	1	f	0	bc	*	46	28	0·04
Belgium.	Brussels ...	*	*	*	*	*	29·84	+·57	35	35	- 6	WSW	1	bc	*	O	*	46	31	0·04
	Cape Gris Nez ...	?	44	W	3	c	?	?	37	36	- 8	SSW	1	m	0	c	*	48	36	0·16
	Paris	29·38	45	S	2	bc	29·83	+·52	31	31	- 11	N	1	b	*	bc	*	50	31	0·04
	Brest	29·34	45	NNW	3	c	29·90	+·67	43	42	0	N	2	b	2	c	*	48	36	0·04
	Lorient	29·34	47	S	4	c	29·91	+·67	41	40	- 3	N	3	b	5	c	*	54	39	0·16
France &	Rochefort ...	29·39	48	NW	2	0	29·82	+·49	44	41	- 5	NE	3	b	*	O	*	55	41	0·12
	Belfort	29·44	47	NNE	1	0	29·78	+·26	39	39	- 5	W	1	f	*	O	*	51	37	0·04
	Lyons	29·42	48	S	1	r	29·80	+·27	44	44	- 2	NW	1	r	*	r	*	57	44	0·12
	Nice	29·65	43	E	4	r	29·76	+·03	51	45	+ 8	ENE	1	O	4	r	*	?	41	1·38
	Perpignan ...	29·37	50	S	1	r	29·67	+·09	44	42	- 4	NW	3	r	*	r	*	68	41	1·77
	Biarritz ...	29·37	48	WSW	5	r	29·78	+·29	45	43	- 4	NE	3	bc	5	r	*	52	43	0·55
Peninsula.	Corunna ...																*			
	Lisbon	29·73	48	NNW	5	c	29·79	-·04	50	43	- 3	NNE	6	b	*	c	*	57	46	0·04
	Azores (P. Delgada)																*			

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

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

Bright Sunshine yesterday Southport 6·6 hrs;

WEATHER CHARTS

FOR Friday, 10th March, 1899.

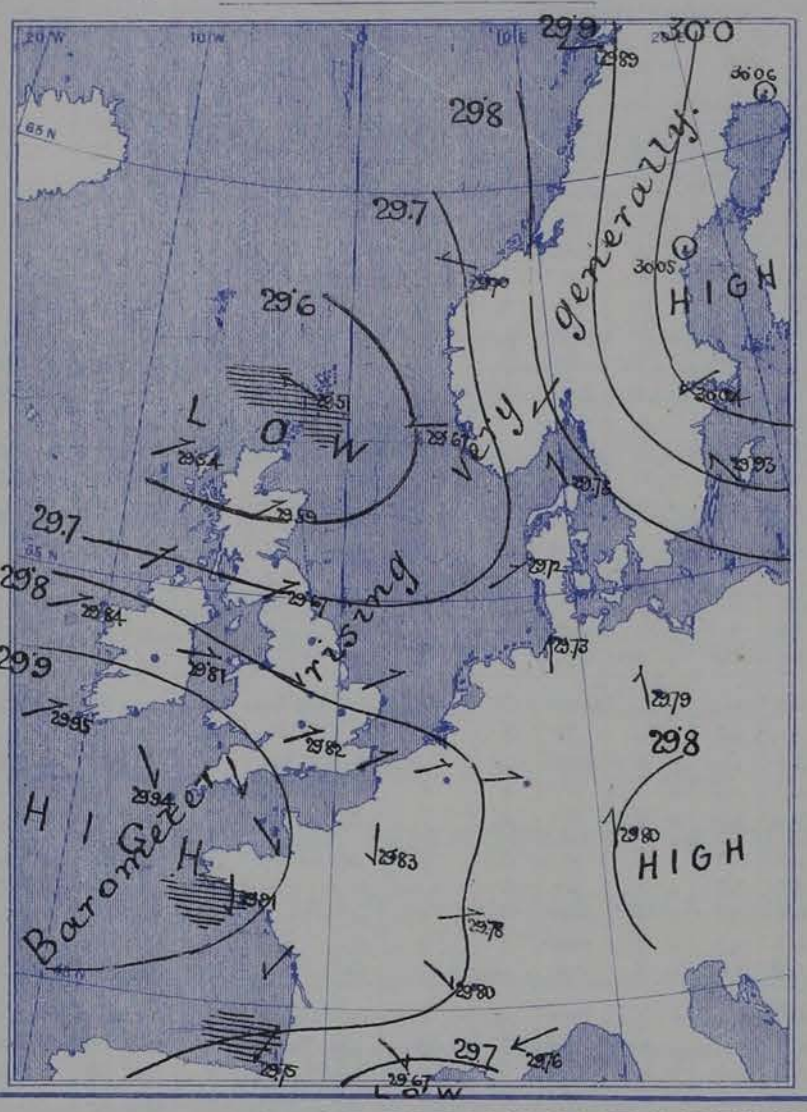
BAROMETER, WIND AND SEA.

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

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

Force above 10 ⟶⟶ ; Force 5 to 7 ⟶ ; } Calm ⊙
Force 8 to 10 ⟶ ; Force 1 to 4 ⟶ ; }

SEA—Rough ▤ ; High ▩

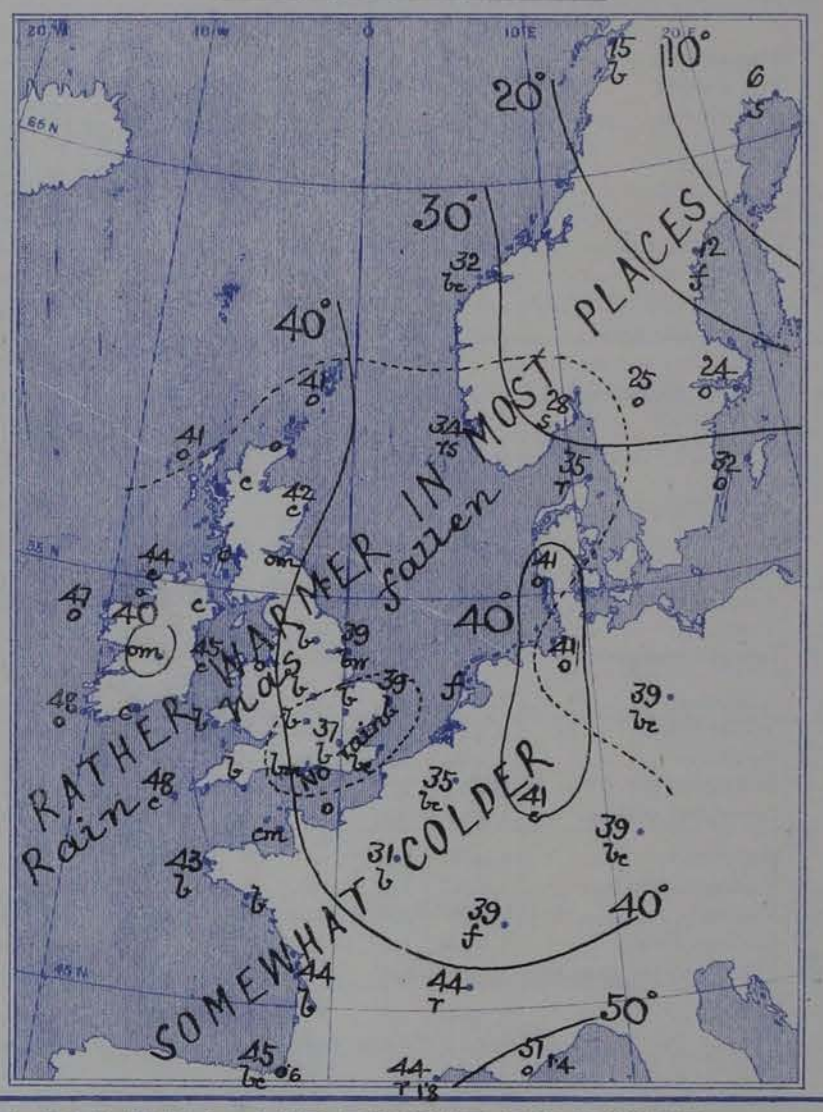


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF MARCH.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 737	38 · 5	37 · 0	42 · 8	34 · 0	57	1893	18	1879	2 · 75	—	—
Stornoway	29 · 772	39 · 2	38 · 2	44 · 9	34 · 2	58	1872	13	1881	3 · 70	103 · 3	29
Wick	29 · 781	38 · 9	37 · 2	44 · 9	33 · 8	62	1894	15	1891	1 · 99	—	—
Nairn	29 · 802	37 · 9	36 · 2	45 · 9	33 · 4	65	1884	6	1892	1 . 68	—	—
Aberdeen	29 · 821	38 · 6	36 · 5	45 · 7	34 · 3	66	1889, 91, 92	10	1889	2 23	124 · 0	34
Leith	29 · 849	39 · 3	37 · 6	48 · 0	34 · 4	68	1884	19	1879, 81, 89	1 · 41	—	—
Shields	29 · 873	39 · 3	37 · 7	46 · 2	34 · 8	64	1884, 93	15	1889	1 · 74	—	—
Spurn Head	29 · 891	39 · 7	38 · 3	44 · 8	36 · 4	62*	1890, 93	24*	1886	1 · 19	—	—
York	29 · 904	38 · 5	36 · 9	48 · 4	33 · 8	68	1884, 92, 93	8	1883	1 · 66	109 · 1	30
Loughborough	29 · 931	38 · 6	36 · 9	49 · 8	33 · 8	69*	1884, 93	15*	1883	1 · 54	—	—
Ardrossan	29 · 861	40 · 1	38 · 6	46 · 4	36 · 1	63	1884	18	1891	2 · 30	—	—
Malin Head	29 · 842	41 · 0	39 · 3	46 · 5	38 · 5	—	—	—	—	—	—	—
Belmullet	29 · 882	43 · 2	41 · 4	48 · 4	39 · 3	—	—	—	—	3 · 80	—	—
Donaghadee	29 · 883	40 · 7	39 · 5	47 · 3	37 · 1	65	1874	25	1892	1 · 97	—	—
Holyhead	29 · 906	42 · 0	40 · 5	47 · 4	38 · 8	67	1894	27	1881	2 · 20	—	—
Liverpool	29 · 911	40 · 2	38 · 1	47 · 2	36 · 7	66	1871	21	1886	1 · 67	—	—
Parsonstown	29 · 925	40 · 1	38 6	49 · 9	34 · 9	66	1894	18	1891	2 · 20	114 · 7	32
Valencia	29 · 929	44 · 8	42 · 8	51 · 0	40 · 3	64	1871, 94	27	1886, 91, 92	3 · 87	135 · 3	37
Roche's Point	29 · 930	43 · 3	41 · 5	49 · 7	39 · 5	60	1895	27	1890	3 · 38	—	—
Pembroke	29 · 930	42 · 1	40 · 4	46 · 6	39 · 0	58	1872	26	1888	2 · 26	139 9	38
Scilly	29 · 946	46 · 0	44 · 1	49 · 5	42 · 3	59	1893	30	1883, 90, 91	2 · 28	—	—
Prawle Point	29 · 960	42 · 7	41 · 2	48 · 2	37 · 7	62*	1893, 95	23*	1883, 88, 90	1 · 88	—	—
Jersey	29 · 965	44 · 0	41 · 9	49 · 7	39 · 8	66	1871, 93, 94	21	1890	2 · 24	160 · 2	44
Hurst Castle	29 · 955	41 · 0	39 · 9	47 · 9	37 · 1	62	1877	21	1887	1 · 78	—	—
Dover	29 · 936	40 · 6	39 · 2	46 · 5	36 · 6	59	1894	13	1890	1 · 74	—	—
LONDON	29 · 949	40 · 0	38 · 1	50 · 1	35 · 2	71	1871	15	1890	1 · 43	72 · 3†	20†
Oxford	29 · 951	38 · 7	37 · 2	49 · 3	34 · 5	67	1884, 93	15	1891	1 · 50	119 · 7	33
Cambridge	29 · 941	38 · 8	37 · 4	50 · 6	32 · 9	70	1893, 94	14	1889, 90	1 · 34	127 · 4	35
Yarmouth	29 · 916	40 · 1	38 · 5	45 · 2	35 · 3	62	1884, 89	18	1892	1 · 73	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·0 in: and upwards over Sweden and the Gulf of Bothnia.
Lowest, 29·6 in: and less, in a shallow depression over the northern part of Scotland and the North Sea.
Gradients slight. Barometer rising generally, but very slightly on our extreme northwest coasts.

TEMPERATURE

Highest, (1) 51° at Nice, 50° at Lisbon and 46° at Biarritz; (2) 48° at Valencia (Ireland) and Scilly and 47° at Belmullet.
Lowest, 6° at Haparanda, 12° at Hernösand, 15° at Bodö, and 24° at Stockholm; lowest in our Islands 35° at York and 36° at Oxford.
Slight frost occurred last night in many parts of England. At Cambridge the thermometer in the Screen fell to 29°, and at Loughborough on the grass to 28°.

WIND

Light to moderate from the W.ly or SW.ly over the greater part of our Islands, but NW.ly on our southwest coasts
Light from the N.ly (NE to NW) over France, but blowing a moderate gale from ENE at Nice.
S.ly in Germany and Denmark; E.ly at most of the Scandinavian stations, but calm in the Gulf of Bothnia.

WEATHER

Fine over England, the Netherlands, and the north and west of France, as well as in the west of Norway.
Cloudy or dull in most other parts of our area, with rain at Lyons and Perpignan, as well as at Skagen, and snow in the south of Norway and at Haparanda.
Rain or hail fell yesterday in the west and north of our Islands generally, as well as in Denmark, the Netherlands, and France. At Perpignan there was as much as 1·8 in: and at Nice 1·4 in:

SEA

Moderate or slight generally, but rough at Lerwick Head, and rather rough at Lorient and Biarritz.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed over Scotland yesterday morning has moved eastwards or northeastwards, and has almost entirely filled up. The barometric rise is, however, now slackening considerably in the northwest, and it is therefore not improbable that further depressions will shortly appear off the Scotch coast.

FORECASTS

For the 24 hours ending at NOON on 11TH MARCH 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SW.ly winds, freshening; cloudy, some rain.
1	SCOTLAND EAST	
2	ENGLAND N.E.	W.ly to SW.ly winds, light; fine at first then cloudy and showery.
3	ENGLAND EAST	W.ly or SW.ly winds, light; fair generally.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos 0 and 1.
7	ENGLAND N.W.	W.ly and SW.ly winds, freshening; fair at first, some rain later.
8	ENGLAND S.W.	NW.ly to W.ly winds, moderate; fair generally.
9	IRELAND NORTH	Same as No 7.
10	IRELAND SOUTH	

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.47	40	35	ESE	6	o	4
Sumburgh Head	29.29	42	41	ENE	3	o	5
Stornoway	29.23	46	44	ENE	4	c	4
Aberdeen	29.08	40	40	NE	2	c	5
Shields	29.06	47	43	SW	2	c	2
Ardrossan	29.07	44	43	NW	3	cm	2
Malin Head ...	29.17	44	43	NNW	5	bc	3
Belmullet	29.38	49	45	N	6	c	*
Holyhead	29.19	46	43	NW	4	bc	3

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F	WEA.	SEA.
Valencia	29.41	48	43	NNW	3	bc	6
Scilly	29.17	44	42	N	5	oqv	5
Jersey	29.22	49	44	SW	3	bc	3
Hurst Castle ...	29.20	49	44	SW	3	bc	1
Dungeness ...	29.21	49	46	SW	4	b	4
North Foreland							
London (Westminster)	29.18	50	43	NNW	3	bc	*
Yarmouth ...	29.17	45	43	SSE	4	c	4
Rochefort ...	29.42	52	50	ESE	1	o	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Continental Information not received.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France ; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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 ,,

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 11th March, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of 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 Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	30·10	-12	N	0	0	29·85	-·21	0	0	- 6	N	2	b	#	0	#	12	-13	-
	Hernösand ...	29·95	23	N	0	0	29·75	-·30	21	21	+ 9	SE	2	c	#	0	#	23	-8	0·04
	Stockholm ...	29·84	33	E	2	s	29·84	-·20	32	31	+ 8	SW	2	s	#	s	#	34	18	-
	Wisby	29·86	37	S	4	r	29·96	-·02	34	32	+ 2	SW	6	o	#	r	#	37	25	0·95
	Karlstad ...	29·86	30	N	0	0	29·75	-·21	36	35	+ 11	SW	2	f	#	s,o	#	#	#	0·12
	Bodö	29·70	22	E	6	b	29·43	-·46	23	20	+ 8	E	1	o	2	b	#	23	14	-
	Christiansund ...	29·54	38	ESE	4	o	29·44	-·26	40	38	+ 8	NNW	8	r	5	o	#	40	32	0·04
	Skudesnaes ...	29·73	39	S	8	o	29·83	+·16	43	42	+ 9	W	4	o	4	b,o	#	48	32	#
	Færder (Christiania Fjord)	29·85	30	N	2	o	29·75	-·12	34	34	+ 6	NNW	6	r	3	o	#	?	27	0·12
	Skagen (The Scaw)	29·87	37	SW	1	m	29·89	+·11	42	42	+ 7	W	4	m	1	m	#	43	34	0·16
	Fano	29·96	40	SW	2	b	30·07	+·35	42	41	+ 1	NNW	2	o	#	b	#	42	39	-
	Sumburgh Head	29·35	42	SW	3	r	29·65	+·14	45	44	+ 4	W	4	o	6	o,r	#	45	41	0·11
	Stornoway ...	29·50	47	WNW	4	o	29·66	+·12	50	49	+ 9	NNW	5	o	5	r,o	0·0	50	39	0·30
	Wick	29·51	43	S	3	o	29·73	+·20	46	45	+ 7	S	2	r	3	o	#	46	38	0·15
	Nairn	29·55	50	WNW	2	c	29·75	+·17	52	50	+ 11	WNW	4	c	2	o	#	53	39	-
	Aberdeen ...	29·62	46	SW	3	bc	29·84	+·25	50	47	+ 8	S	3	c	3	o g bc	0·1	50	42	-
British Islands.	Leith	29·72	45	W	3	o	29·95	+·29	52	49	+ 12	W	4	o	#	o	#	52	39	-
	Shields	29·82	48	SW	3	c	30·05	+·38	51	49	+ 13	SW	2	o	2	o,c	#	51	38	-
	Spurn Head ...	29·93	44	WSW	3	c	30·16	+·45	45	44	+ 6	SW	3	c	3	c	#	47	39	-
	York	29·93	48	W	2	c	30·15	+·43	50	48	+ 15	SSW	3	o	#	b,c	6·2	51	35	-
	Loughborough ...	30·00	49	W	2	c	30·22	+·46	46	45	+ 9	SW	2	bc mw	#	bc.c,o	#	53	37	-
	Ardrossan ...	29·77	48	SW	4	op	30·01	+·32	47	46	+ 2	S	3	c	3	op	#	48	43	0·03
	Malin Head ...	29·78	49	WSW	5	o g m	29·94	+·24	49	48	+ 5	WSW	5	c p m	3	o g m	#	49	44	0·02
	Belmullet ...	29·93	51	WSW	5	o	30·05	+·21	50	48	+ 3	SW	4	o	#	o	#	51	44	-
	Donaghadee ...	29·87	52	W	6	c	30·07	+·31	50	50	+ 9	SW	5	c	3	c	#	52	39	-
	Liverpool (Bidston)	29·99	47	WSW	1	o	30·18	+·40	50	48	+ 6	SW	2	c	2	o m	#	50	43	-
	Holyhead ...	29·97	47	SW	3	g m a	30·16	+·35	48	47	+ 3	SW	3	o m	2	o m.m a	#	49	43	0·02
	Parsonstown ...	30·00	50	W	1	r	30·16	+·29	49	48	+ 10	S	1	m	#	o a	0·0	51	38	0·03
	Valencia ...	30·08	52	SW	3	o m	30·22	+·27	50	49	+ 2	SSW	3	o g	4	o g m.m	0·0	53	47	0·01
	Roche's Point ..	30·08	51	W	4	bc	30·24	+·30	48	47	+ 3	WSW	3	c m	3	bc.f	#	53	43	-
	Pembroke (St. Ann's Hd.)	30·07	48	W	4	o	30·25	+·35	48	48	+ 3	W	4	f	4	c.o	5·2	49	44	-
	Scilly	30·15	50	WSW	3	c	30·28	+·34	49	48	+ 1	W	3	o m	3	b,c	8·9	52	45	-
	Prawle Point ...	30·14	46	W	3	bc	30·32	+·40	48	47	+ 5	SSW	3	o	2	bc	#	53	42	-
	Jersey (St. Aubin's)	30·14	51	WNW	4	b	30·35	+·44	41	41	- 3	W	3	b c f	3	bc.b	#	54	36	0·01
	Hurst Castle ...	30·09	48	WSW	2	bc	30·31	+·45	46	45	+ 4	WSW	2	o m	2	bc	#	54	? 35	-
	Dungeness ...	30·04	47	SSW	3	c	30·28	+·47	40	39	- 4	WSW	2	b	2	bc.c	#	52	35	-
	North Foreland																#			
	London (Brixton) ...	30·07	49	W	2	b	30·30	+·48	40	40	+ 3	WSW	2	o f	#	bc.b,f	4·6	56	37	-
	Oxford	30·12	45	W	2	c	30·28	+·44	45	45	+ 9	W	2	o f	#	bc.o	#	54	36	-
	Cambridge ...	30·05	46	W	2	b	30·27	+·48	37	37	0	SSW	1	b m	#	b	7·4	55	32	-
	Yarmouth ...	29·96	47	W	3	c	30·22	+·46	45	43	+ 6	WSW	3	b	2	c	#	50	36	-
Germany & Holland.	Cuxhaven ...	29·93	43	W	1	b	30·15	+·42	36	36	- 5	SW	2	m	#	b	#	45	36	-
	Berlin	30·00	47	W	2	r	30·27	+·48	40	39	+ 1	W	2	o	#	r	#	59	39	0·08
	Wiesbaden ...	#	#	#	#	#	30·37	+·58	35	35	- 6	NE	3	f	#	#	#	57	36	0·24
	Munich	30·04	47	SW	3	c	30·32	+·52	41	40	+ 2	W	4	o	#	c	#	63	39	-
	The Helder ...	29·98	42	SW	1	m	30·20	+·46	44	43	+ 14	SW	1	b	1	m	#	48	30	-
Belgium.	Brussels ...	#	#	#	#	#	30·34	+·50	35	35	0	SSW	1	f	#	b	#	53	34	-
	Cape Gris Nez ...	?	46	WSW	3	c	?	?	42	41	+ 5	SW	1	m	1	c	#	50	37	-
	Paris	30·13	49	NNW	2	b	30·34	+·51	31	31	0	NNW	1	f	#	b	#	55	30	-
	Brest	30·17	51	N	1	b	30·32	+·42	44	41	+ 1	NNW	1	c f	2	b	#	52	39	-
	Lorient	30·17	50	N	3	c	30·34	+·43	41	41	0	N	1	bc	5	c	#	57	39	-
France &	Rochefort ...	30·15	52	NE	3	b	30·28	+·46	42	39	- 2	NE	3	b	#	b	#	59	37	-
	Belfort	30·02	48	W	3	r	30·28	+·50	37	37	- 2	ENE	2	m	#	r	#	55	36	0·16
	Lyons	30·06	51	N	1	o	30·24	+·44	42	40	- 2	N	2	b	#	o	#	57	42	0·04
	Nice	29·89	66	E	1	o	30·01	+·25	55	45	+ 4	ENE	1	c	4	o	#	57	51	-
	Perpignan ...	29·94	50	NW	4	o	30·11	+·44	51	48	+ 1	NW	1	o	#	o	#	51	43	0·24
	Biarritz ...	30·02	54	N	6	c	30·14	+·36	45	41	o	NNE	2	b	4	c	#	54	43	-
Peninsula.	Corunna ...																#			
	Lisbon	29·91	54	N	6	b	30·05	+·26	53	45	+ 3	NNE	4	b	#	b	#	57	48	-
	Azores (P. Delgada)	30·18	55	ESE	3	bc	30·15	-·11	54	53	- 1	W	3	r	2	bc	#	63	52	0·08

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

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

Bright Sunshine yesterday Southport 5·7 hrs;

WEATHER CHARTS

FOR Saturday, 11th March, 1899.

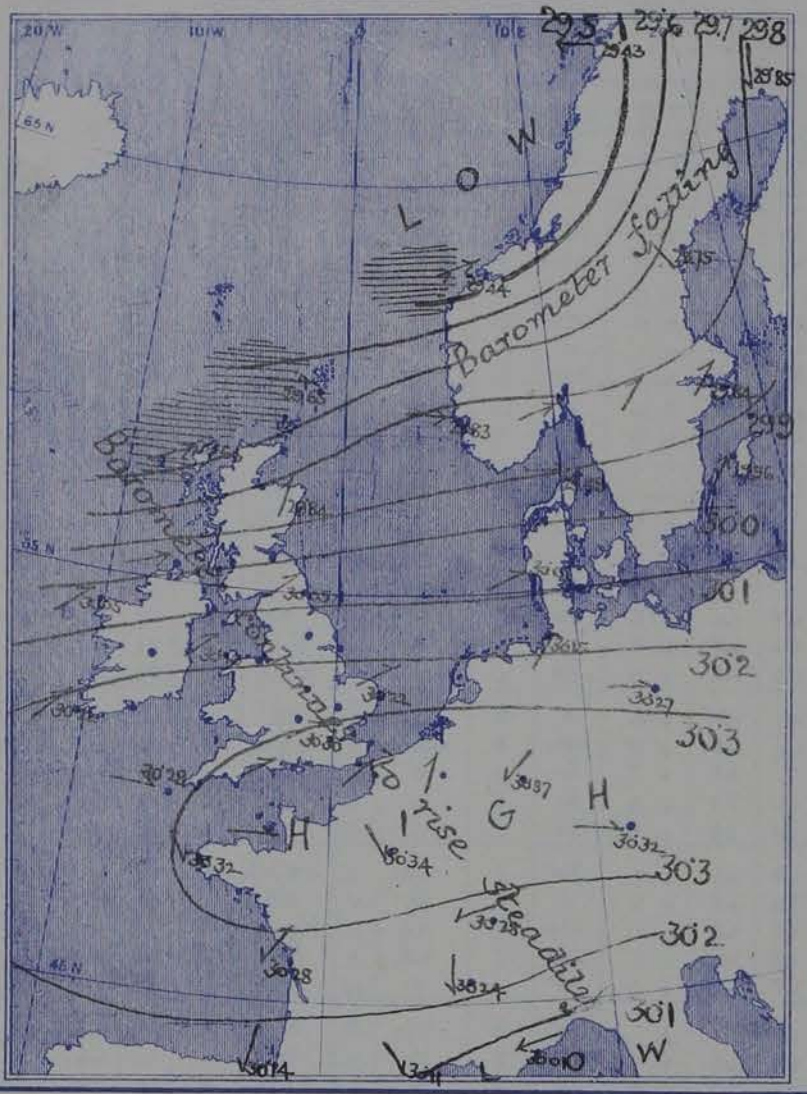
BAROMETER, WIND AND SEA.

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

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

Force above 10 ⟶⟶ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ⟶ ; *Force 1 to 4* ⟶ ; Calm ⊙

SEA—*Rough* ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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.

20°W
10°W
0°
10°E
65°N
55°N
46°N
30°
40°
50°
GENERALLY
WARMER
Rain
Squalls
Squalls
Squalls

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 ins: and upwards over Germany, Belgium, the extreme south of England, and the northern and central parts of France.
Lowest, 29·5 ins: and less. in a large depression lying off the west of Norway.
Gradients slight over the southern, but moderate over the northern parts of our area.
Barometer rising at all but the Scandinavian stations.

TEMPERATURE

Highest, (1) 55° at Nice, 53° at Lisbon, and 51° at Perpignan; (2) 52° at Nairn and Leith, and 51° at Shields.
Lowest, (1) 0° Zero at Haparanda, +21° at Hernösand, and 29° at Bodö; (2) 31° at Paris, and 35° at Brussels and Wiesbaden; (3) 37° at Cambridge.
During yesterday the thermometer rose to 50° and upwards at most of the English and Irish stations, to 55° at Cambridge and to 56° in London.

WIND

SW^{3} or W^{4} over our Islands, the Netherlands, Germany, Denmark, and all the more southern part of Scandinavia; light or moderate in force generally, but strong on the Norwegian coasts, with a gale at Christiansund.
N^{3} or NE^{4} over the central and southern parts of France.

WEATHER

Cloudy or dull over northwestern Europe generally, with fog or mist at several of our own central and southern stations, as well as in Belgium, Western Germany and the Central parts of France. Rain is falling at Hull and Christiansund, and snow at Hernösand and Stockholm.
Fine and bright on the east and southeast coasts of England and also in the west of France.
Slight rain fell yesterday at several of our western and extreme northern stations, and somewhat larger quantities in various parts of Scandinavia, Denmark, Germany and the east and south of France. A Solar halo was seen at Jersey and Cherbourg and Rouen and Caen.

SEA

Rough or rather so off the north of Scotland and also at Christiansund, but moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Since yesterday morning a large anticyclone has spread from the westward over the southern parts of our Islands and the neighbouring parts of the Continent. The barometric rise is, however, now slackening in the west and north, so that further low-pressure systems are probably advancing towards our extreme northwestern or northern coasts.

FORECASTS

For the 24 hours ending at NOON on 12TH MARCH 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SW^{3} and W^{4} winds, fresh; cloudy, some rain.
1	SCOTLAND EAST	SW^{3} winds, light or moderate; fair generally.
2	ENGLAND N.E.	
3	ENGLAND EAST	SW^{3} and W^{4} winds, light; fair generally, but misty or foggy in places.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos 1 and 2.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Same as Nos 3 to 5.
9	IRELAND NORTH	SW^{3} and W^{4} winds, fresh; cloudy, rain locally.
10	IRELAND SOUTH	Same as Nos 1 and 2.
	WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.74	39	37	SE	4	6	4	Valencia	30.02	51	50	SW	3	0qm	5
Sumburgh Head	29.41	44	42	SSW	2	0	6	Scilly	30.06	51	48	WNW	4	c	4
Stornoway	29.43	46	45	SW	5	r	5	Jersey	30.07	53	49	W	4	bc	3
Aberdeen	29.61	47	42	SW	3	0q	4	Hurst Castle ...	29.99	54	49	WNW	2	bc	2
Shields	29.77	49	46	W	3	0	2	Dungeness ...	29.95	51	48	SSW	3	bc	2
Ardrossan	29.75	48	48	SW	4	p	3	North Foreland							
Malin Head ...	29.69	48	48	WSW	4	0	3	London (Westminster)	29.94	54	48	W	3	bc	*
Belmullet	29.86	51	50	W	5	0	*	Yarmouth ...	29.86	50	48	WNW	4	c	3
Holyhead	29.92	48	46	SW	3	0m	2	Rochefort ...	29.97	54	50	W	3	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Continental Information not received.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France ; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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 ,,

DAILY WEATHER REPORT

for 8 a.m. on Sunday 12th March, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of 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 Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.69	5	2	0	b	29.69	− ·18	11	11	+ 11	SE	2	s	*	b	*	18	−26	—
	Hernösand ...	29.79	20	2	0	0	29.52	− ·23	19	19	− 2	2	0	?	*	0	*	23	18	—
	Stockholm ...	29.93	37	2	0	b	29.69	− ·15	42	41	+ 10	NNW	4	0	*	b	*	42	32	—
	Wisby	30.06	39	W	6	b	29.95	− ·01	42	41	+ 8	SW	8	0	*	b	*	42	32	—
	Karlstad ...	29.91	39	SW	4	c	29.67	− ·08	39	38	+ 3	SW	4	0	*	c,r	*	*	*	—
	Bodö	29.40	32	E	4	0	29.43	·00	33	32	+ 10	E	2	0	1	0	*	33	19	—
	Christiansund ...	29.64	38	WSW	4	r	29.44	·00	36	36	− 4	N	8	s	5	r	*	41	34	071
	Skudesnaes ...	29.90	43	SSW	8	0	29.95	+ ·12	42	41	− 1	WNW	7	c	4	r,0	*	43	34	*
	Færder (Christiania Fjord)	29.89	39	SW	4	f	29.69	− ·06	41	40	+ 7	WSW	6	m	4	f	*	41	34	—
	Skagen (The Scaw)	30.02	45	SW	4	m	29.89	·00	45	44	+ 3	W	6	m	2	m	*	48	41	—
	Fanö	30.21	42	W	2	b	30.20	+ ·13	44	43	+ 2	W	4	0	*	b	*	46	41	—
British Islands.	Sumburgh Head	29.63	45	SSW	3	r	30.01	+ ·36	41	39	− 4	W	4	b	6	0,r	*	46	41	0.34
	Stornoway ...	29.61	50	WSW	6	rq	30.21	+ ·55	39	38	− 11	WSW	3	b	3	rq	0.0	51	36	0.40
	Wick	29.60	46	WNW	5	bc	30.18	+ ·45	41	39	− 5	NW	4	bc	3	bc	*	49	36	—
	Nairn	29.75	52	SW	6	c	30.23	+ ·48	43	40	− 9	WNW	1	c	1	c	*	57	37	005
	Aberdeen ...	29.84	51	SW	6	c	30.26	+ ·42	45	40	− 5	W	3	b	2	c	0.9	56	40	—
	Leith	29.97	50	WSW	4	0	30.31	+ ·36	49	45	− 3	W	2	b	*	0	*	55	42	—
	Shields	30.09	54	SW	2	c	30.35	+ ·30	49	47	− 2	SW	2	bm	2	c	*	57	43	—
	Spurn Head ...	30.18	53	SW	4	c	30.36	+ ·20	48	47	+ 3	WSW	3	bc	3	c	*	56	44	—
	York	30.20	54	W	1	c	30.41	+ ·26	50	46	0	NNW	1	bc	*	c	0.2	58	46	—
	Loughborough ...	30.26	56	SW	2	c	30.41	+ ·19	47	46	+ 1	WNW	1	omw	*	bc,c,0	*	59	45	—
	Ardrossan ...	30.04	48	SSW	4	0	30.35	+ ·34	47	46	0	W	3	b	2	c,0	*	48	44	0.02
	Malin Head ...	29.92	50	SSW	6	c	30.36	+ ·42	45	44	− 4	NW	2	b	2	c	*	52	42	002
	Belmullet ...	30.06	50	WSW	6	0	30.45	+ ·40	43	42	− 7	WNW	1	b	*	0	*	52	37	001
	Donaghadee ...	30.10	53	WSW	5	c	30.40	+ ·33	43	42	− 7	WNW	4	b	2	c	*	55	39	001
	Liverpool (Bidston)	30.23	50	SW	4	bc	30.42	+ ·24	47	45	− 3	WNW	3	bc	4	bc	*	57	46	—
	Holyhead ...	30.21	48	SW	4	f	30.43	+ ·27	47	46	− 1	WNW	2	cp	1	f	*	55	46	0.01
	Parsonstown ...	30.21	50	SW	1	0	30.46	+ ·30	40	39	− 9	NW	1	bc	*	0	0.5	54	33	005
	Valencia ...	30.26	52	S	3	0	30.45	+ ·23	49	49	− 1	2	0	cm	3	omg.0	0.0	54	47	0.03
	Roche's Point ..	30.28	51	WSW	4	c	30.47	+ ·23	50	50	+ 2	N	1	f	3	c	*	54	48	—
	Pembroke (St. Ann's Hd.)	30.35	47	W	4	0	30.44	+ ·19	48	48	0	NW	3	0g	4	0	0.0	49	46	—
	Scilly	30.35	49	WSW	3	om	30.45	+ ·17	50	48	+ 1	NW	1	0	2	om	0.0	52	45	—
	Prawle Point ...	30.36	46	W	3	bc	30.48	+ ·16	45	44	− 3	NW	1	c	1	bc	*	52	41	—
	Jersey (St. Aubin's)	?30.40	50	WNW	3	0g	30.48	+ ·13	48	47	+ 7	NW	3	omw	3	0g	*	52	40	—
	Hurst Castle ...	30.35	46	SW	2	bm	30.46	+ ·15	46	45	0	WSW	1	0	1	om.bm	*	48	44	—
	Dungeness ...	30.33	48	WSW	2	0	30.44	+ ·16	43	43	+ 3	WNW	1	m	1	0	*	51	40	—
Germany & Holland.	North Foreland																*			
	London (Brixton) ...	30.32	49	SW	2	b	30.45	+ ·15	47	43	+ 7	N	2	bc	*	0.b	0.0	56	40	—
	Oxford	30.34	49	SW	2	b	30.45	+ ·17	47	45	+ 2	W	1	c	*	c,b	*	59	44	—
	Cambridge ...	30.30	53	SW	3	b	30.44	+ ·17	47	45	+ 10	SW	2	c	*	b	8.9	62	35	—
	Yarmouth ...	30.23	55	W	2	b	30.37	+ ·15	45	44	0	W	3	cm	2	b	*	60	42	—
	Cuxhaven ...	30.26	46	SW	2	c	30.26	+ ·11	41	40	+ 5	SW	2	bc	*	c	*	46	36	—
	Berlin	30.36	48	2	0	b	30.38	+ ·11	40	39	0	SW	2	c	*	b	*	54	39	—
	Wiesbaden ...	*	*	*	*	*	30.40	+ ·03	33	33	− 2	SE	1	b	*	*	*	50	32	—
	Munich	30.38	42	E	2	0	30.36	+ ·03	40	40	− 1	NE	5	a	*	0	*	45	37	—
	The Helder ...	30.28	43	SW	2	b	30.34	+ ·14	42	42	− 2	SW	2	f	1	b	*	50	41	—
France & Belgium.	Brussels ...	*	*	*	*	*	30.44	+ ·10	36	35	0	W	1	f	*	b	*	57	32	—
	Cape Gris Nez ...	?	46	W	3	0	?	?	44	44	+ 2	WSW	1	f	1	0	*	46	41	—
	Paris	30.35	50	NE	2	b	30.43	+ ·09	36	35	+ 4	NNW	3	f	*	b	*	58	31	—
	Brest	30.38	49	N	2	b	30.45	+ ·13	47	46	+ 3	N	1	0	1	b	*	55	41	—
	Lorient	30.36	50	W	3	bc	30.46	+ ·12	44	43	+ 3	ENE	3	0	2	bc	*	59	39	—
	Rochefort ...	30.32	54	NE	3	b	30.40	+ ·12	43	41	+ 1	NNE	4	b	*	b	*	61	39	—
	Belfort	30.27	46	ENE	2	0	30.32	+ ·04	37	36	0	ENE	2	m	*	0	*	51	33	—
	Lyons	30.24	50	NW	1	0	30.29	+ ·05	41	37	− 1	N	1	c	*	0	*	58	40	—
	Nice	30.09	56	2	0	0	30.12	+ ·11	49	43	− 6	E	1	bc	2	0	*	61	47	—
	Perpignan ...	30.15	55	NW	4	0	30.18	+ ·07	52	48	+ 1	E	2	b	*	0	*	57	50	—
	Biarritz ...																*			
Peninsula.	Corunna ...	30.23	59	NE	3	b	30.34	+ ·29	46	42	?	NE	1	b	2	b	*	61	37	—
	Lisbon	30.14	58	NE	4	b	30.24	+ ·19	55	49	+ 2	NE	4	b	*	b	*	64	52	—
	Azores (P. Delgada)	30.15	58	ESE	3	0	30.15	·00	57	54	+ 3	SSE	3	0	3	0	*	63	54	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

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

Bright Sunshine yesterday Southport 1·5 hrs;

WEATHER CHARTS

FOR Sunday, 12th March, 1899.

BAROMETER, WIND AND SEA.

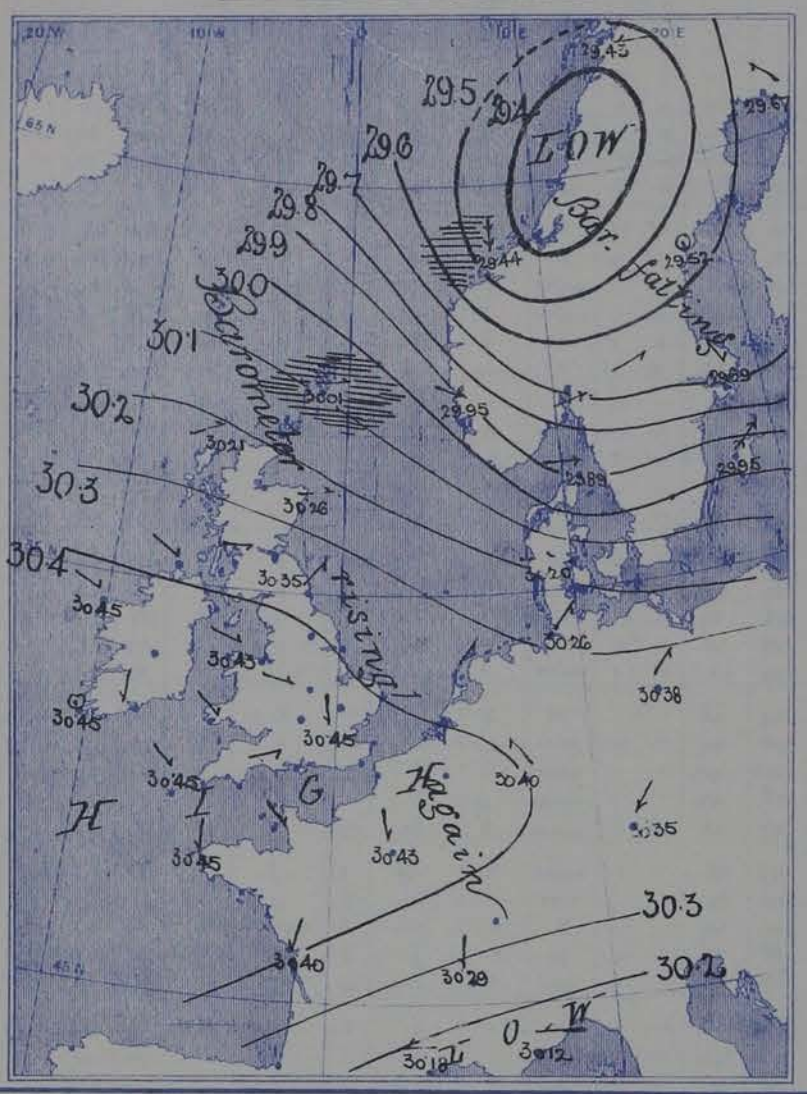
BAROMETER—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟶⟶ ; Force 5 to 7 ⟶ ; } Calm ⊙

Force 8 to 10 ⟶⟶ ; Force 1 to 4 ⟶ ; }

SEA —Rough ▤ ; High ▤

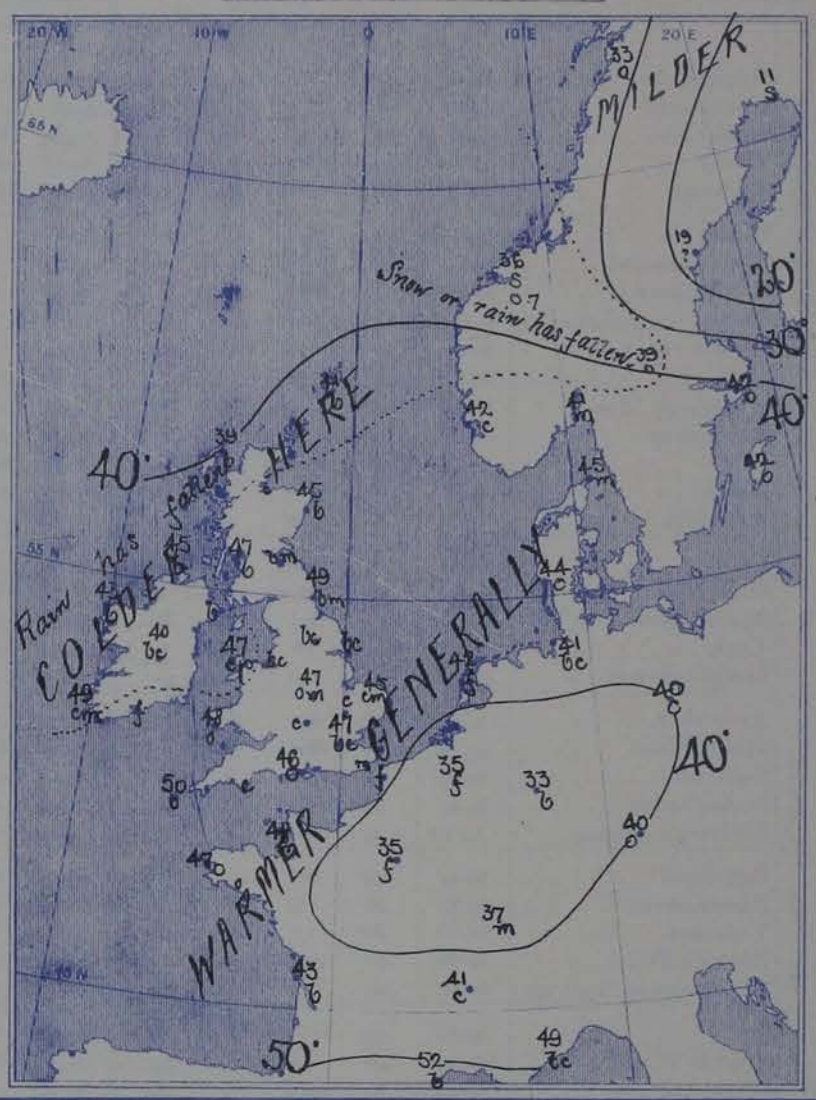


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF MARCH.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 737	38 · 5	37 · 0	42 · 8	34 · 0	57	1893	18	1879	2 · 75	—	—
Stornoway	29 · 772	39 · 2	38 · 2	44 · 9	34 · 2	58	1872	13	1881	3 · 70	103 · 3	29
Wick	29 · 781	38 · 9	37 · 2	44 · 9	33 · 8	62	1894	15	1891	1 · 99	—	—
Nairn	29 · 802	37 · 9	36 · 2	45 · 9	33 · 4	65	1884	6	1892	1 . 68	—	—
Aberdeen	29 · 821	38 · 6	36 · 5	45 · 7	34 · 3	66	1889, 91, 92	10	1889	2 · 23	124 · 0	34
Leith	29 · 849	39 · 3	37 · 6	48 · 0	34 · 4	68	1884	19	1879, 81, 89	1 · 41	—	—
Shields	29 · 873	39 · 3	37 · 7	46 · 2	34 · 8	64	1884, 93	15	1889	1 · 74	—	—
Spurn Head	29 · 891	39 · 7	38 · 3	44 · 8	36 · 4	62*	1890, 93	24*	1886	1 · 19	—	—
York	29 · 904	38 · 5	36 · 9	48 · 4	33 · 8	68	1884, 92, 93	8	1883	1 · 66	109 · 1	30
Loughborough	29 · 931	38 · 6	36 · 9	49 · 8	33 · 8	69*	1884, 93	15*	1883	1 · 54	—	—
Ardrossan	29 · 861	40 · 1	38 · 6	46 · 4	36 · 1	63	1884	18	1891	2 · 30	—	—
Malin Head	29 · 842	41 · 0	39 · 3	46 · 5	38 · 5	—	—	—	—	—	—	—
Belmullet	29 · 882	43 · 2	41 · 4	48 · 4	39 · 3	—	—	—	—	3 · 80	—	—
Donaghadee	29 · 883	40 · 7	39 · 5	47 · 3	37 · 1	65	1874	25	1892	1 · 97	—	—
Holyhead	29 · 906	42 · 0	40 · 5	47 · 4	38 · 8	67	1894	27	1881	2 · 20	—	—
Liverpool	29 · 911	40 · 2	38 · 1	47 · 2	36 · 7	66	1871	21	1886	1 · 67	—	—
Parsonstown	29 · 925	40 · 1	38 6	49 · 9	34 · 9	66	1894	18	1891	2 · 20	114 · 7	32
Valencia	29 · 929	44 · 8	42 · 8	51 · 0	40 · 3	64	1871, 94	27	1886, 91, 92	3 · 87	135 · 3	37
Roche's Point	29 · 930	43 · 3	41 · 5	49 · 7	39 · 5	60	1895	27	1890	3 · 38	—	—
Pembroke	29 · 930	42 · 1	40 · 4	46 · 6	39 · 0	58	1872	26	1888	2 · 26	139 · 9	38
Scilly	29 · 946	46 · 0	44 · 1	49 · 5	42 · 3	59	1893	30	1883, 90, 91	2 · 28	—	—
Prawle Point	29 · 960	42 · 7	41 · 2	48 · 2	37 · 7	62*	1893, 95	23*	1883, 88, 90	1 · 88	—	—
Jersey	29 · 965	44 · 0	41 · 9	49 · 7	39 · 8	66	1871, 93, 94	21	1890	2 · 24	160 · 2	44
Hurst Castle	29 · 955	41 · 0	39 · 9	47 · 9	37 · 1	62	1877	21	1887	1 · 78	—	—
Dover	29 · 936	40 · 6	39 · 2	46 · 5	36 · 6	59	1894	13	1890	1 · 74	—	—
LONDON	29 · 949	40 · 0	38 · 1	50 · 1	35 · 2	71	1871	15	1890	1 · 43	72 · 3†	20†
Oxford	29 · 951	38 · 7	37 · 2	49 · 3	34 · 5	67	1884, 93	15	1891	1 · 50	119 · 7	33
Cambridge	29 · 941	38 · 8	37 · 4	50 · 6	32 · 9	70	1893, 94	14	1889, 90	1 · 34	127 · 4	35
Yarmouth	29 · 916	40 · 1	38 · 5	45 · 2	35 · 3	62	1884, 89	18	1892	1 · 73	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·4 ins: and upwards, in an anticyclone with its central parts covering nearly the whole of Ireland, England, Belgium, and the northern parts of France and the Bay of Biscay.

Lowest, 29·4 ins: and less, apparently in a well-marked depression over the northern parts of Norway.

Gradients slight over our Islands and France, rather steep over the southern parts of Scandinavia, the north of Denmark and the adjacent portions of the North Sea.

Barometer rising at all but the Scandinavian and Danish stations – quickly in the north of Scotland.

TEMPERATURE

Highest (1) 55° at Lisbon, 52° at Perpignan and 49° at Nice; (2) 50° at York, Rochell.e and Scilly.

Lowest (1) 11° at Haparanda, 19° at Hernösand, and 33° at Bodö: (2) 33° at Wiesbaden, and 35° at Brussels and Paris.

During yesterday the thermometer rose to 55° and upwards in many parts of Great Britain, to 60° at Yarmouth and to 62° at Hamburgh.

WIND

Light to moderate from the W.ly or NW.ly over our Islands, and strong from the same quarters on the eastern shores of the North Sea.

A N.ly gale is reported at Christiansund and a SW.ly gale at Werby; over the northern parts of Scandinavia the wind is light from the E.ly.

Light to moderate from between N. and E. over France and the western parts of the Spanish Peninsula.

WEATHER

Fine and bright over all the more northern parts of the United Kingdom and also over the south of France and at Coruna and Lisbon.

Cloudy or dull elsewhere with mist or fog on some parts of our southern coasts, as well as over the Netherlands and at Paris; snow is falling at Haparanda and Christiansund.

Since yesterday morning a little rain has fallen in Ireland and the west and north of Scotland, and a larger quantity at Christiansund.

SEA

Moderate or slight generally, but rough at Sumburgh Head and rather rough at Christiansund.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 13th March 1899.

DISTRICTS.		FORECASTS.	DISTRICTS.		FORECASTS.
⍋	0 SCOTLAND NORTH	None issued	⍋	6 SCOTLAND WEST	None issued.
⍋	1 SCOTLAND EAST			7 ENGLAND N.W.	
	2 ENGLAND N.E.			8 ENGLAND S.W.	
	3 ENGLAND EAST		⍋	9 IRELAND NORTH	
	4 MIDLAND COUNTIES			10 IRELAND SOUTH	
	5 ENGLAND SOUTH			WARNINGS	At 7·10 pm yesterday to districts 0, 1, 6 and part of 9 "Hoist South Cone"

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29·91	42	40	S	1	r	3
Sumburgh Head	29·68	45	45	W	3	o	6
Stornoway	29·71	51	50	WSW	5	r	5
Aberdeen	29·88	55	48	SW	3	c	2
Shields	30·07	56	52	SW	2	o	2
Ardrossan	30·04	48	48	SSW	5	c	3
Malin Head ...	29·97	50	49	SW	4	c	3
Belmullet	30·12	51	49	WSW	5	o	*
Holyhead	30·22	52	50	SW	3	cm	2
Valencia	30·24	54	51	SSW	5	omg	5
Scilly	30·34	51	49	WSW	3	om	2
Jersey	30·39	52	49	W	3	o	3
Hurst Castle ...	30·35	48	47	SSW	1	om	2
Dungeness ...	30·32	49	48	WSW	2	o	2
North Foreland							
London (Westminster)	30·33	51	49	SSW	2	o	*
Yarmouth ...	30·23	59	53	WSW	3	b	2
Rochefort ...	30·33	59	54	NE	4	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning cloudy or dull over the greater part of our Islands and the Continent, with fog or mist at several of the more southern stations, rain at Wick and Christiansund and snow in Finland and Sweden. Fine and bright on the east and southeast coasts of England, as well as over the Spanish Peninsula and the western and central parts of France. A little rain falling later in Ireland and the west and north of Scotland, and a larger quantity in the west of Norway.

Temperature risen in most places,—quickly over northern Russia. Morning readings highest 60° at Palermo, 59° at Cagliari and 58° at La Calle; above 50° at the Mediterranean and Spanish coast stations generally and also at many places in the northern parts of Great Britain. Lowest 0 Zero at Haparanda, 8° at Archangel, 12° at Kuopio, and 21° at Hernösand, below the freezing point in most parts of Sweden and Russia. Rising during day to 55° and upwards over Great Britain as a whole, to 60° at Yarmouth, and to 62° at Cambridge; exceeding 60° also over the Spanish Peninsula and the west and south of France.

Wind light to fresh from the W.ly or SW.ly over our Islands, the Netherlands, North Germany, and Denmark, and strong from the same quarters in the western and southern parts of Scandinavia, with a gale at Christiansund; E. or SE. over Russia and the northern parts of Scandinavia. E. or NE. over France and southern Europe generally, with a moderate gale at Nice and Patras. Subsequently increasing in force from the SW.ly on our own northern coasts, and blowing a gale at night in the northeast of Scotland.

Barometer highest 30·4 in: and upwards over the central and southern parts of Russia; 30·2 in: and upwards in an anticyclone covering the whole of eastern and central Europe, and extending westwards over France and the southern parts of our Islands. Lowest 29·5 in: and less, in a large depression lying off the west of Norway: 29·7 in: and less, in a smaller and shallower disturbance over Algeria. New depression advancing rapidly eastwards at night towards the Norwegian coast, and barometer falling rather decidedly in the north of our Islands.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France: at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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

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DAILY WEATHER REPORT

for 8 a.m. on Monday, 13th March, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of 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 Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.63	12	N	2	O	29.86	+.19	15	15	+4	E	0	S	*	O	*	16	-8	-
	Hernösand ...	29.65	38	WNW	9	r	30.05	+.53	33	31	+14	W	4	b	*	r	*	39	19	0.08
	Stockholm ...	29.87	41	W	8	b	30.24	+.55	36	31	-6	WNW	6	b	*	b	*	48	36	-
	Wisby	30.01	39	WNW	8	b	30.32	+.37	35	33	-7	NW	4	b	*	b	*	45	35	-
	Karlstad ...	30.10	41	NW	4	b	30.30	+.63	35	32	-4	SW	2	O	*	b	*	*	*	-
	Bodö	29.67	34	E	O	bc	29.76	+.33	33	31	O	S	2	O	1	bc	*	?	30	-
	Christiansund ...	30.01	40	SW	9	r	30.04	+.60	41	39	+5	WNW	8	r	6	r	*	41	36	0.12
	Skudesnaes ...	30.36	41	WNW	4	bc	30.41	+.46	41	40	-1	W	4	r	2	bc	*	46	39	*
	Færder (Christiania Fjord)	30.19	41	WNW	4	b	30.33	+.64	39	37	-2	WSW	5	O	3	b	*	48	37	-
	Skagen (The Scaw)	30.31	41	NW	4	b	30.43	+.54	41	40	-4	WNW	4	m	1	b	*	48	39	-
	Fanö	30.53	39	NNW	4	b	30.58	+.38	38	38	-6	WNW	2	c	*	b	*	48	37	-
British Isles	Sumburgh Head	30.18	42	W	4	c	30.26	+.25	44	42	+3	WSW	3	c	6	c	*	45	41	0.18
	Stornoway ...	30.31	46	WSW	4	O	30.27	+.06	45	44	+6	SW	3	O	3	p c.o	4.7	48	37	0.25
	Wick	30.32	45	W	3	bc	30.34	+.16	44	43	+3	SW	2	O	2	hp.bc	*	49	39	0.03
	Nairn	30.39	45	W	1	bc	30.36	+.13	45	43	+2	E	O	c	1	bc	*	50	39	-
	Aberdeen ...	30.43	46	W	2	bc	30.42	+.16	43	41	-2	SW	2	oq	1	bc.r	9.8	54	41	0.03
	Leith	30.43	52	W	1	c	30.45	+.14	48	41	-6	E	O	f	*	c	*	56	40	-
	Shields	30.48	52	E	O	bm	30.53	+.18	37	35	-12	SW	3	om	2	bm	*	57	34	-
	Spurn Head ...	30.50	45	SSE	3	b	30.56	+.20	42	40	-6	SW	1	bw	2	b	*	56	38	-
	York	30.49	55	SSW	1	b	30.58	+.17	37	36	-13	WSW	1	b	*	b	0.0	59	33	-
	Loughborough ...	30.51	53	W	1	bc	30.60	+.19	35	35	-12	W	1	bcmw	*	c.bc om	*	62	33	-
	Ardrossan ...	30.47	48	SSW	2	O	30.47	+.12	46	46	-1	S	3	om	2	O	*	52	44	-
	Malin Head ...	30.44	47	WNW	3	c	30.42	+.06	48	48	+3	SW	2	O	2	b,c	*	49	44	-
	Belmullet ...	30.49	49	SW	3	b	30.48	+.03	50	49	+7	WSW	3	O	*	O,b	*	53	42	0.03
	Donaghadee ...	30.50	49	SSW	4	c	30.51	+.11	48	47	+5	SW	4	c	2	c	*	54	40	-
	Liverpool (Bidston)	30.53	46	E	O	b	30.58	+.16	43	41	-4	SSE	1	O	?	b	*	50	39	-
	Holyhead ...	30.52	47	NW	1	c	30.56	+.13	43	41	-4	SSW	2	f	1	c	*	52	41	-
	Parsonstown ...	30.50	53	S	1	O	30.55	+.09	49	48	+9	SW	1	of	*	bc.o	6.5	57	39	0.04
	Valencia ...	30.57	53	SSW	1	om	30.57	+.12	49	48	O	E	O	O	3	o m	0.0	54	48	0.02
	Roche's Point ..	30.53	50	SSE	1	f	30.60	+.13	49	48	-1	SW	1	om	2	f	*	51	48	-
	Pembroke (St. Ann's Hd.)	30.55	47	W	2	f	30.59	+.15	48	47	O	NE	1	O	3	f	0.4	50	43	-
	Scilly	30.51	51	NNW	1	om	30.56	+.11	50	48	O	NNE	1	om	2	om	0.0	54	48	-
	Prawle Point ...	30.53	50	NNW	2	c	30.59	+.11	50	48	+5	NNE	2	c	1	o	*	55	44	-
	Jersey (St. Aubin's)	30.51	49	NNW	3	ogm	30.56	+.08	49	48	+1	NE	3	bm	3	ogm.b	*	52	42	-
	Hurst Castle ...	30.50	53	NE	1	om	30.58	+.12	46	45	O	ENE	1	cm	1	om	*	55	46	-
	Dungeness ...	30.48	48	S	1	bc	30.58	+.14	46	45	+3	NNE	2	m	1	c.bc.f	*	53	36	-
	North Foreland																*			
	London (Brixton) ...	30.52	55	NNE	1	c	30.61	+.16	41	41	-6	E	O		*	ogc.b	0.2	56	40	-
	Oxford	30.55	47	NW	1	b	30.62	+.17	33	33	-14	E	O		*	c.b	*	58	31	-
	Cambridge ...	30.57	58	N	1	b	30.62	+.18	37	37	-10	SW	1		*	b	6.9	62	31	-
	Yarmouth ...	30.48	47	N	2	bc	30.58	+.21	39	38	-6	SSE	2		3	bc	*	54	35	-
Germany & Holland	Cuxhaven ...	30.44	45	NW	3	b	30.60	+.34	34	33	-7	E	O		*	b	*	46	34	-
	Berlin	30.43	50	NW	4	b	30.60	+.22	36	35	-4	NNW	2		*	b	*	50	36	-
	Wiesbaden ...	*	*	*	*	*	30.53	+.13	47	44	+14	N	1		*	*	*	55	33	-
	Munich... ..	30.40	44	E	O	b	30.48	+.13	36	36	-4	NE	4		*	b	*	52	34	-
	The Helder ...																*			
Belgium & France	Brussels ...	*	*	*	*	*	30.59	+.15	43	42	+8	E	2		*	b	*	47	34	-
	Cape Gris Nez ...	?	46	?	1	?	?	?	44	42	O	E	1		1	8	*	52	39	-
	Paris	30.46	47	N	3	bc	30.50	+.07	43	42	+8	N	3		*	c	*	51	35	-
	Brest	30.53	49	NNE	2	bc	30.51	+.06	46	45	-1	ENE	3		2	bc	*	52	43	-
	Lorient... ...	30.48	49	E	2	bc	30.48	+.02	44	44	O	NE	4		4	bc	*	57	43	-
	Rochefort ...	30.39	54	NNE	4	b	30.39	-.01	43	41	O	NE	4		*	b	*	59	39	-
	Belfort	30.33	50	E	2	m	30.36	+.04	40	39	+3	E	3		*	m	*	53	37	-
	Lyons	30.26	50	N	1	b	30.30	+.01	44	42	+3	NNW	2		*	b	*	56	41	-
	Nice	30.03	56	E	6	c	30.06	-.06	51	46	+2	NE	3		4	c	*	66	49	-
	Perpignan ...	30.16	57	NW	4	c	30.19	+.07	53	48	+4	NW	3		*	c	*	63	50	-
	Biarritz ...	30.29	54	NW	5	b	30.29		52	50		NW	4		3	b	*	55	48	-
Peninsula	Corunna ...																*			
	Lisbon	30.26	59	NNW	4	b	30.26	+.02	54	50	-1	NNE	3		*	b	*	68	52	-
	Azores (P. Delgada)	30.18	58	SE	4	O	30.19	+.04	58	56	+1	SE	4		4	O	*	63	57	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

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

Bright Sunshine yesterday Southport 8.8 hrs;

WEATHER CHARTS

FOR Monday, 13th March, 1899.

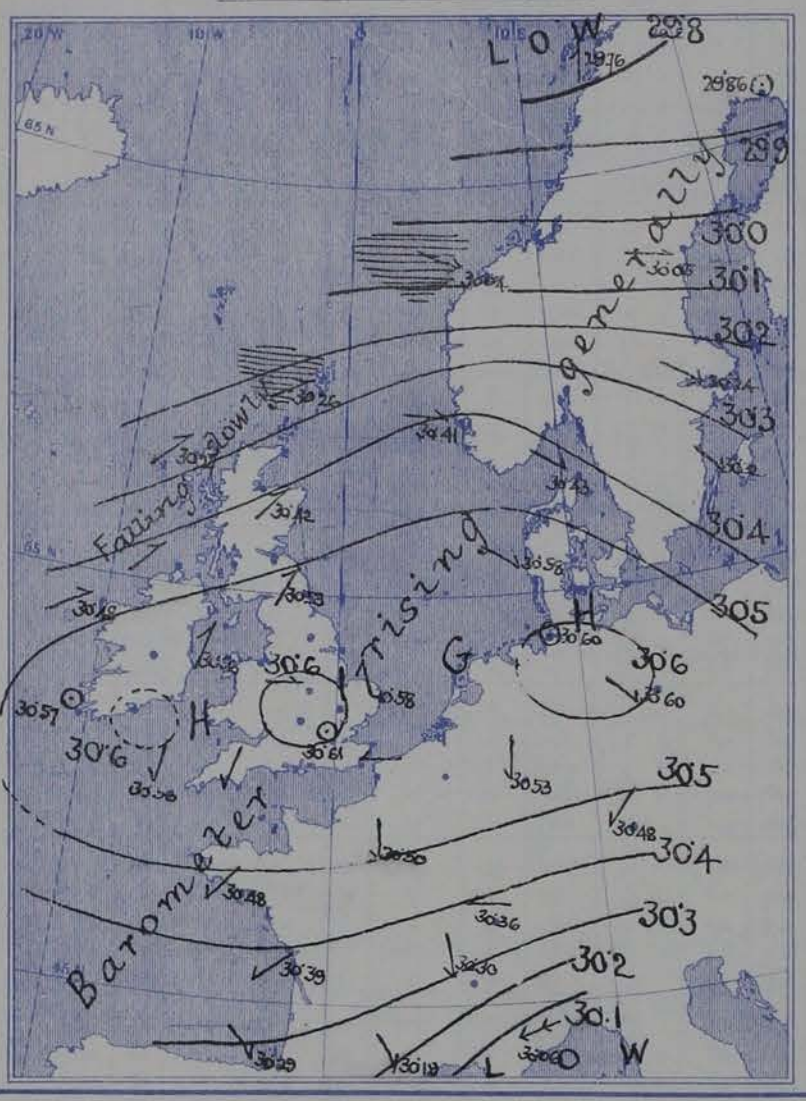
BAROMETER, WIND AND SEA.

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

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

Force above 10 ⟫⟶ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ➤⟶ ; *Force 1 to 4* ⟶ ; Calm ⊙

SEA—Rough ; *High*

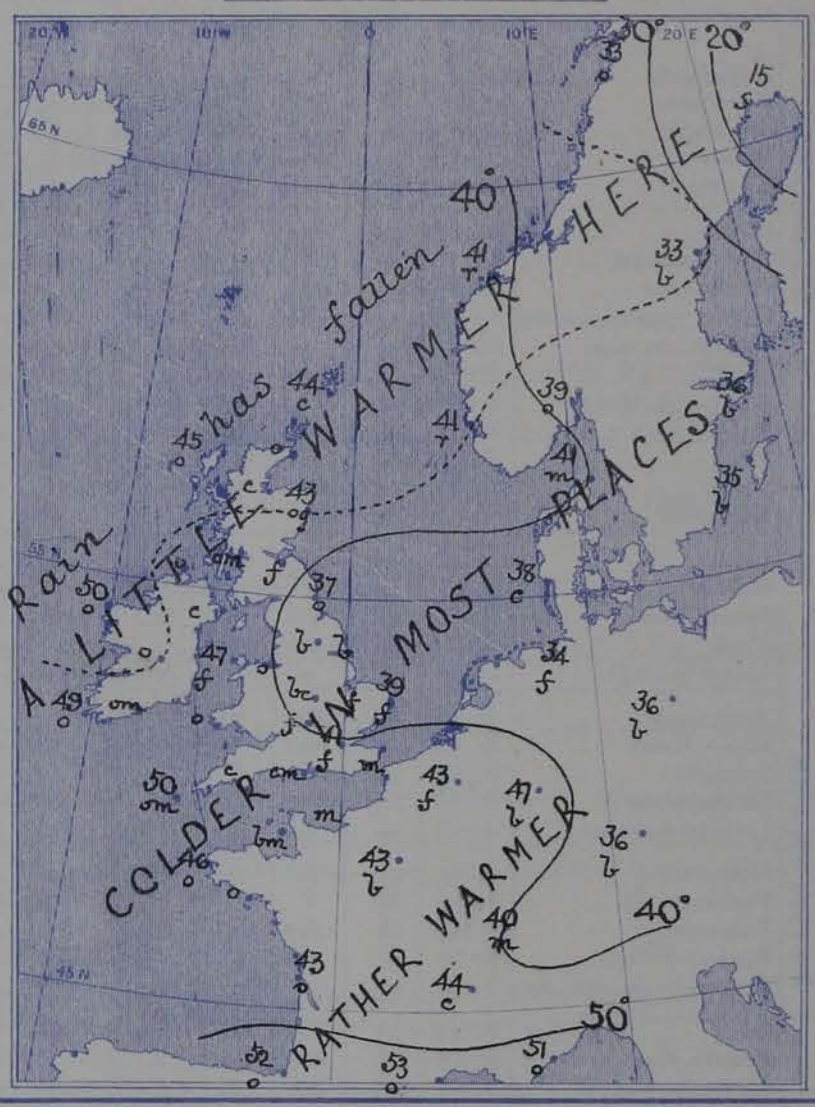


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF MARCH.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 737	38 · 5	37 · 0	42 · 8	34 · 0	57	1893	18	1879	2 · 75	—	—
Stornoway	29 · 772	39 · 2	38 · 2	44 · 9	34 · 2	58	1872	13	1881	3 · 70	103 · 3	29
Wick	29 · 781	38 · 9	37 · 2	44 · 9	33 · 8	62	1894	15	1891	1 · 99	—	—
Nairn	29 · 802	37 · 9	36 · 2	45 · 9	33 · 4	65	1884	6	1892	1 . 68	—	—
Aberdeen	29 · 821	38 · 6	36 · 5	45 · 7	34 · 3	66	1889, 91, 92	10	1889	2 · 23	124 · 0	34
Leith	29 · 849	39 · 3	37 · 6	48 · 0	34 · 4	68	1884	19	1879, 81, 89	1 · 41	—	—
Shields	29 · 873	39 · 3	37 · 7	46 · 2	34 · 8	64	1884, 93	15	1889	1 · 74	—	—
Spurn Head	29 · 891	39 · 7	38 · 3	44 · 8	36 · 4	62*	1890, 93	24*	1886	1 · 19	—	—
York	29 · 904	38 · 5	36 · 9	48 · 4	33 · 8	68	1884, 92, 93	8	1883	1 · 66	109 · 1	30
Loughborough	29 · 931	38 · 6	36 · 9	49 · 8	33 · 8	69*	1884, 93	15*	1883	1 · 54	—	—
Ardrossan	29 · 861	40 · 1	38 · 6	46 · 4	36 · 1	63	1884	18	1891	2 · 30	—	—
Malin Head	29 · 842	41 · 0	39 · 3	46 · 5	38 · 5	—	—	—	—	—	—	—
Belmullet	29 · 882	43 · 2	41 · 4	48 · 4	39 · 3	—	—	—	—	3 · 80	—	—
Donaghadee	29 · 883	40 · 7	39 · 5	47 · 3	37 · 1	65	1874	25	1892	1 · 97	—	—
Holyhead	29 · 906	42 · 0	40 · 5	47 · 4	38 · 8	67	1894	27	1881	2 · 20	—	—
Liverpool	29 · 911	40 · 2	38 · 1	47 · 2	36 · 7	66	1871	21	1886	1 · 67	—	—
Parsonstown	29 · 925	40 · 1	38 · 6	49 · 9	34 · 9	66	1894	18	1891	2 · 20	114 · 7	32
Valencia	29 · 929	44 · 8	42 · 8	51 · 0	40 · 3	64	1871, 94	27	1886, 91, 92	3 · 87	135 · 3	37
Roche's Point	29 · 930	43 · 3	41 · 5	49 · 7	39 · 5	60	1895	27	1890	3 · 38	—	—
Pembroke	29 · 930	42 · 1	40 · 4	46 · 6	39 · 0	58	1872	26	1888	2 · 26	139 · 9	38
Scilly	29 · 946	46 · 0	44 · 1	49 · 5	42 · 3	59	1893	30	1883, 90, 91	2 · 28	—	—
Prawle Point	29 · 960	42 · 7	41 · 2	48 · 2	37 · 7	62*	1893, 95	23*	1883, 88, 90	1 · 88	—	—
Jersey	29 · 965	44 · 0	41 · 9	49 · 7	39 · 8	66	1871, 93, 94	21	1890	2 · 24	160 · 2	44
Hurst Castle	29 · 955	41 · 0	39 · 9	47 · 9	37 · 1	62	1877	21	1887	1 · 78	—	—
Dover	29 · 936	40 · 6	39 · 2	46 · 5	36 · 6	59	1894	13	1890	1 · 74	—	—
LONDON	29 · 949	40 · 0	38 · 1	50 · 1	35 · 2	71	1871	15	1890	1 · 43	72 · 3†	20†
Oxford	29 · 951	38 · 7	37 · 2	49 · 3	34 · 5	67	1884, 93	15	1891	1 · 50	119 · 7	33
Cambridge	29 · 941	38 · 8	37 · 4	50 · 6	32 · 9	70	1893, 94	14	1889, 90	1 · 34	127 · 4	35
Yarmouth	29 · 916	40 · 1	38 · 5	45 · 2	35 · 3	62	1884, 89	18	1892	1 · 73	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·6 in. and upwards, at several of our own southern stations and also in North Germany; 30·3 in. and upwards, in an anticyclone covering the greater part of Western Europe.
Lowest, 29·8 in. and less, in a shallow depression lying off the northern parts of the Norwegian coasts.
Gradients slight generally, but moderate over the southern parts of Scandinavia and also over the south of France.
Barometer rising in most places, but falling a little on our own extreme north and northeast coasts.

TEMPERATURE

Highest, (1) 54° at Lisbon, 53° at Perpignan, 52° at Biarritz, and 51° at Nice; (2) 50° at Belmullet, Scilly, and Prawle Point.
Lowest (1) 15° at Haparanda, and 33° at Bodö and Hernösand; (2) 33° at Oxford and Loughborough; (3) 34° at Cawdor.
During yesterday the thermometer rose to 55° and upwards in many parts of the United Kingdom, and to 62° at Loughborough, Cambridge.

WIND

Light to moderate from the NE.ly over the English Channel, Belgium, Western Germany and the greater part of France; strong to a gale from the same quarter at Nice and moderate from NW. at Perpignan and Biarritz.
Light from the SW.ly over the northern parts of our Islands; W. or NW. at the Scandinavian and Danish stations, with a gale at Christiansund.

WEATHER

Foggy or misty over the greater part of England and the south of Scotland, as well as over the Netherlands and North Germany.
Cloudy or dull in most other parts of Western Europe, with rain in the west of Norway, and snow at Haparanda. Fine over Sweden and Germany as a whole.
Slight rain fell yesterday in several parts of Ireland and the north of Scotland. A solar halo was seen at Shoeburyness today.

SEA

Slight or smooth generally, but rough at Heligoland and also at Christiansund.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A depression is apparently about to skirt our extreme northern coasts, and freshening southwesterly winds are therefore probable in that region, with some rain. Over the southern parts of the Kingdom the weather is likely to remain fair and quiet, with local fogs.

FORECASTS

For the 24 hours ending at NOON on 14TH MARCH 1899.

DISTRICTS.		FORECASTS.
⚠ 0	SCOTLAND NORTH	SW. to W. winds, increasing in force; dull, some rain.
⚠ 1	SCOTLAND EAST	SW. to W. winds, freshening; cloudy, some showers.
2	ENGLAND N.E.	SW. and W. winds, light or moderate; fair generally.
3	ENGLAND EAST	Light Variable airs; fair generally, but some mist or fog.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

DISTRICTS.		FORECASTS.
⚠ 6	SCOTLAND WEST	Same as No 1.
7	ENGLAND N.W.	Same as No 2
8	ENGLAND S.W.	Same as Nos 3 to 5
⚠ 9	IRELAND NORTH	Same as No 1.
10	IRELAND SOUTH	SW. winds, light or moderate; cloudy, slight rain locally.
	WARNINGS	The SOUTH CONE is still flying in districts 0, 1, 6, and part of 9.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·21	46	42	NW	7	c	5
Sumburgh Head							
Stornoway	30·29	48	42	NNW	4	c	4
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	30·44	49	47	NNW	2	b	1
Belmullet	30·49	51	47	SSW	1	o	*
Holyhead							
Valencia							
Scilly							
Jersey	30·52	49	47	NE	3	o	3
Hurst Castle ...							
Dungeness ...	30·46	50	48	SSW	1	c	1
North Foreland							
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30·39	54	51	W	4	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 5TH TO THE 11TH MARCH 1899.

At the beginning of the week a large anticyclone covered western Europe, the winds being moderate to strong in force from the SW^{ly} in the more northern regions, but from the Nth or NE^{ly} in the south, and the weather fair excepting in the northeast of Scotland, where snow showers were reported. Over Eastern Europe the conditions were affected by a depression which was moving eastwards across Russia, while in many parts of the southern countries the weather was influenced by secondary systems lying over Austria and the Gulf of Genoa.

Later on the Western anticyclone moved gradually in an eastsoutheasterly direction across Europe, while depressions advanced over our Islands from the Atlantic, the latter systems causing very strong S^{ly} and SW^{ly} winds on many parts of our coasts, and rain in most districts. Towards the close of the week the depressions all dispersed and a new anticyclonic system advanced eastwards across France, Germany and the southern part of our Islands, the wind being mostly light to fresh from the Wth and the weather fair. Over southern Europe a good deal of rain was caused in the latter part of the week by a depression which appears to have been formed over the northeast of Spain on the 8th and which afterwards moved southwards and grew deeper. This disturbance also occasioned gales or very strong winds from between S. and E. at many of the Mediterranean stations.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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

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

for 8 a.m. on Tuesday 14th March, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	29.89	3	NE	0	f	29.45	+.09	8	8	− 7	SE	2	0	*	f	*	16	−6	—
	Hernösand ...	30.13	35	NW	4	b	29.92	−.13	32	30	− 1	S	2	0	*	b	*	46	28	—
	Stockholm ...	30.24	39	W	2	b	30.08	−.16	35	34	− 1	SW	2	s	*	b	*	46	32	—
	Wisby	30.33	37	W	4	b	30.19	−.13	36	35	+ 1	W	4	0	*	b	*	41	32	—
	Karlstad ...	30.28	40	NE	0	b	30.04	−.26	39	37	+ 4	NE	0	0	*	b,r	*	*	*	—
	Bodö																*			
	Christiansund ...																*			
	Skudesnaes ...																*			*
	Færder (Christiania Fjord)	30.34	41	S	1	0	30.07	−.26	41	39	+ 2	WSW	6	0	3	a	*	41	39	—
	Skagen (The Scaw)	30.40	41	WNW	3	m	30.23	−.20	43	42	+ 2	W	5	m	1	m	*	45	37	—
	Fanö	30.54	41	W	2	b	30.45	−.13	41	41	+ 3	SW	2	b	*	b	*	43	37	—
British Islands.	Sumburgh Head	30.03	46	WSW	4	r	30.09	−.17	47	47	+ 3	W	4	0	6	0,r	*	47	44	0.10
	Stornoway ...	30.18	50	WSW	5	r	30.26	−.01	49	45	+ 4	WSW	4	0	4	r	0.0	51	43	0.05
	Wick	30.18	51	W	5	c	30.24	−.10	51	50	+ 7	W	5	c	3	c	*	54	42	—
	Nairn	30.26	51	WSW	4	c	30.32	−.04	50	48	+ 5	WSW	4	c	2	c	*	58	42	—
	Aberdeen ...	30.33	51	SW	2	bc	30.33	−.09	51	48	+ 8	S	1	cm	1	bc	3.3	59	43	—
	Leith	30.41	51	WNW	3	0	30.44	−.01	48	46	+ 5	WSW	3	0	*	0	*	55	42	—
	Shields	30.48	52	W	3	0	30.48	−.05	45	44	+ 8	WSW	2	cm	2	c.o	*	55	36	—
	Spurn Head ...	30.49	47	SSW	2	0	30.52	−.04	45	44	+ 3	WNW	1	bmw	2	0	*	52	42	—
	York	30.51	52	W	1	b	30.54	−.04	44	43	+ 7	W	1	b	*	b	7.8	60	36	—
	Loughborough ...	30.52	55	W	1	bc	30.57	−.03	41	40	+ 6	SE	1	cfw	*	bc,b,om	*	64	35	—
	Ardrossan ...	30.45	49	SW	3	om	30.49	+.02	47	47	+ 1	SW	3	0	2	om	*	49	45	—
	Malin Head ...	30.41	49	WSW	5	bc	30.44	+.02	46	46	− 2	SSW	3	cmg	2	bc	*	50	46	0.01
	Belmullet ...	30.48	50	WSW	3	0	30.50	+.02	47	47	− 3	SSW	3	0	*	r.m.om	*	52	45	0.03
	Donaghadee ...	30.48	54	W	4	bc	30.54	+.03	47	46	− 1	WSW	3	c	1	bc	*	58	45	—
	Liverpool (Bidston)	30.56	46	W	1	0	30.56	−.02	47	45	+ 4	SW	1	0	1	om	*	52	43	—
	Holyhead ...	30.55	48	SW	2	c	30.55	−.01	47	46	0	SW	1	om	1	fa.cm	*	49	46	—
	Parsonstown ...	30.54	51	SW	1	0	30.57	+.02	47	46	− 2	SW	1	0	*	0	0.0	54	46	—
	Valencia ...	30.55	50	SW	1	c	30.56	−.01	46	44	− 3	SE	1	om	3	bc.c	4.2	54	44	0.05
	Roche's Point ..	30.57	50	SW	3	0	30.58	−.02	48	46	− 1	S	2	0	2	0	*	51	46	—
	Pembroke (St. Ann's Hd.)	30.56	47	NW	2	f	30.56	−.03	44	43	− 4	E	2	bmw	2	f	2.2	51	41	—
	Scilly	30.52	51	NNE	2	0	30.51	−.05	49	47	− 1	NE	3	cw	2	om.o	0.2	54	45	—
	Prawle Point ...	30.54	48	NE	1	bc	30.53	−.06	47	45	− 3	ENE	3	bc	2	bc	*	52	44	—
	Jersey (St Anbin's)	30.51	53	NE	4	b	30.51	−.05	45	44	− 4	NE	4	om	3	b	*	54	42	—
	Hurst Castle ...	30.53	48	SW	1	bm	30.53	−.05	42	42	− 4	NE	2	f	1	bm	*	58	39	—
	Dungeness ...	30.52	42	ENE	3	f	30.53	−.05	36	35	− 10	NE	2	m	2	b.f	*	53	31	—
	North Foreland																*			
	London (Brixton) ...	30.53	51	NE	0	bf	30.59	−.02	35	35	− 6	NE	0	fg	*	fg.bf.b	0.1	58	34	—
	Oxford	30.55	45	NE	0	b	30.58	−.04	36	36	+ 3	NE	0	f	*	b	*	60	33	—
	Cambridge ...	30.53	53	NW	1	b	30.58	−.04	34	33	− 3	NE	0	f	*	b	6.1	62	31	—
	Yarmouth ...	30.51	39	SSE	3	f	30.52	−.06	42	41	+ 3	NW	2	bf	3	f	*	42	35	—
Germany & Holland.	Cuxhaven ...	30.56	43	NW	1	b	30.50	−.10	35	34	+ 1	SW	2	b	*	b	*	46	34	—
	Berlin	30.59	44	W	2	b	30.55	−.05	40	37	+ 4	W	2	c	*	b	*	50	36	—
	Wiesbaden ...	*	*	*	*	*	30.51	−.02	37	35	− 10	NE	0	b	*	*	*	59	36	—
	Munich... ..	30.47	44	SW	5	b	30.48	.00	33	33	− 3	SE	2	b	*	b	*	55	30	—
	The Helder ...	30.55	42	NE	0	b	30.53	−.06	41	40	+ 6	NE	0	b	0	b	*	50	34	—
Belgium.	Brussels ...	*	*	*	*	*	30.53	−.06	38	36	− 5	NE	0	b	*	b	*	53	30	—
	Cape Gris Nez...	?	42	E	3	f	?	?	40	40	− 4	E	1	f	1	f	*	46	39	0.04
	Paris	30.46	55	N	2	b	30.45	−.05	37	36	− 6	N	2	b	*	b	*	61	36	—
	Brest	30.50	55	ENE	2	b	30.50	−.01	42	41	− 4	ENE	1	b	1	b	*	61	37	—
	Lorient... ...	30.43	53	NE	4	b	30.44	−.04	43	42	− 1	ESE	3	b	2	b	*	59	43	—
France &	Rochefort ...	30.36	57	NNE	2	b	30.40	+.01	45	43	+ 2	NE	3	b	*	b	*	64	39	—
	Belfort														*		*			
	Lyons	30.30	53	NNW	1	b	30.37	+.07	43	43	− 1	N	1	b	*	b	*	59	41	—
	Nice	30.11	61	NE	6	0	30.19	+.13	60	44	− 2	NE	6	c	4	0	*	66	59	—
	Perpignan ...	30.21	55	NW	3	0	30.27	+.08	51	47	− 2	NW	2	0	*	0	*	63	49	—
	Biarritz ...	30.30	51	NW	3	0	30.30	+.01	48	46	− 4	SSW	3	0	2	0	*	55	46	—
Peninsula.	Corunna																*			
	Lisbon	30.18	61	NNE	4	b	30.17	−.09	53	48	− 1	NE	4	b	*	b	*	68	52	—
	Azores (P. Delgada)	30.08	59	SE	4	b	29.95	−.24	58	57	0	SE	4	0	5	b	*	63	57	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

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

Bright Sunshine yesterday Southport 0·2 hrs;

WEATHER CHARTS

FOR Tuesday, 14th March, 1899.

BAROMETER, WIND AND SEA.

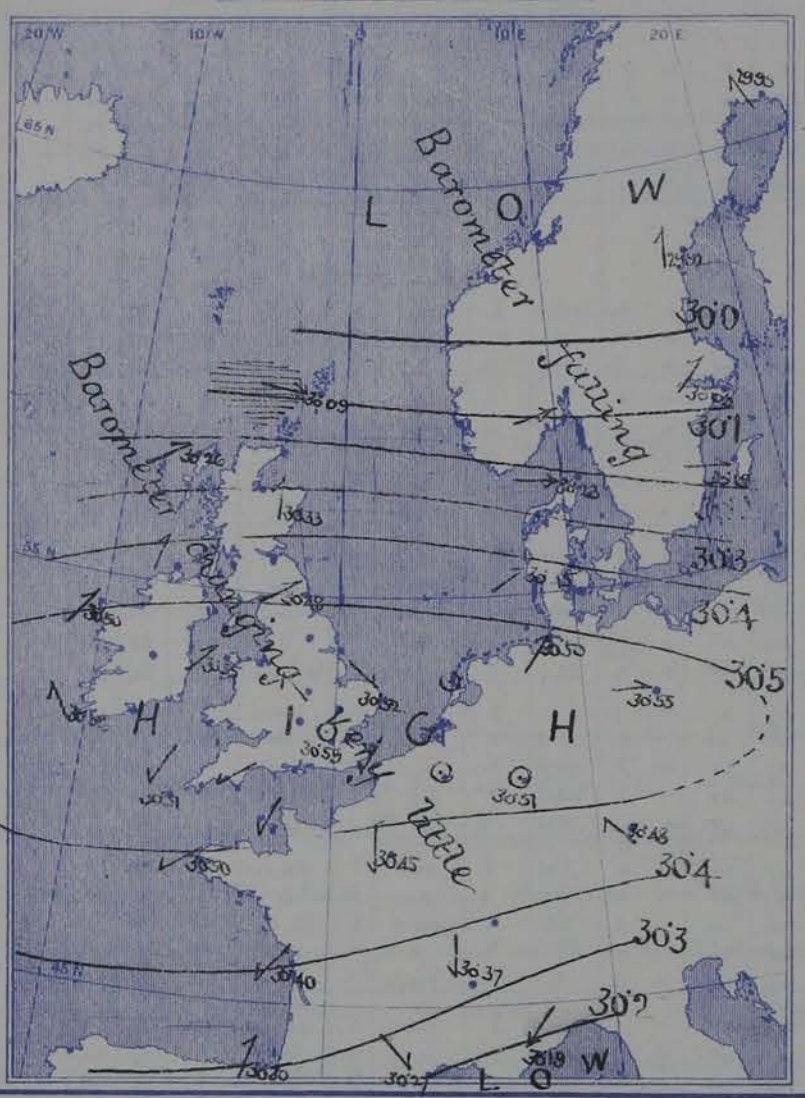
BAROMETER—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟫⟶ ; Force 5 to 7 ⟶ ; } Calm ⊙

Force 8 to 10 ⟩⟶ ; Force 1 to 4 ⟶ ; }

SEA—Rough ▤ ; High ▩

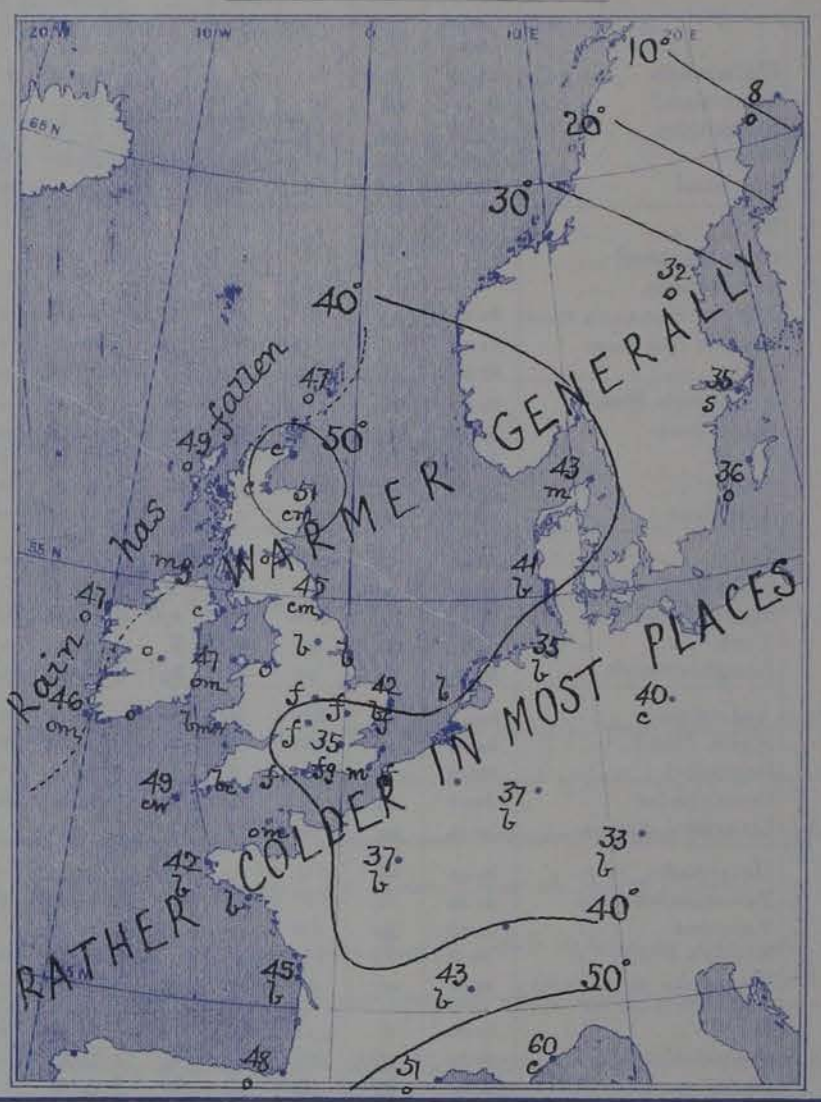


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF MARCH.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29·737	38·5	37·0	42·8	34·0	57	1893	18	1879	2·75	—	—
Stornoway	29·772	39·2	38·2	44·9	34·2	58	1872	13	1881	3·70	103·3	29
Wick	29·781	38·9	37·2	44·9	33·8	62	1894	15	1891	1·99	—	—
Nairn	29·802	37·9	36·2	45·9	33·4	65	1884	6	1892	1.68	—	—
Aberdeen	29·821	38·6	36·5	45·7	34·3	66	1889, 91, 92	10	1889	2·23	124·0	34
Leith	29·849	39·3	37·6	48·0	34·4	68	1884	19	1879, 81, 89	1·41	—	—
Shields	29·873	39·3	37·7	46·2	34·8	64	1884, 93	15	1889	1·74	—	—
Spurn Head	29·891	39·7	38·3	44·8	36·4	62*	1890, 93	24*	1886	1·19	—	—
York	29·904	38·5	36·9	48·4	33·8	68	1884, 92, 93	8	1883	1·66	109·1	30
Loughborough	29·931	38·6	36·9	49·8	33·8	69*	1884, 93	15*	1883	1·54	—	—
Ardrossan	29·861	40·1	38·6	46·4	36·1	68	1884	18	1891	2·30	—	—
Malin Head	29·842	41·0	39·3	46·5	38·5	—	—	—	—	—	—	—
Belmullet	29·882	43·2	41·4	48·4	39·3	—	—	—	—	3·80	—	—
Donaghadee	29·883	40·7	39·5	47·3	37·1	65	1874	25	1892	1·97	—	—
Holyhead	29·906	42·0	40·5	47·4	38·8	67	1894	27	1881	2·20	—	—
Liverpool	29·911	40·2	38·1	47·2	36·7	66	1871	21	1886	1·67	—	—
Parsonstown	29·925	40·1	38·6	49·9	34·9	66	1894	18	1891	2·20	114·7	32
Valencia	29·929	44·8	42·8	51·0	40·3	64	1871, 94	27	1886, 91, 92	3·87	135·3	37
Roche's Point	29·930	43·3	41·5	49·7	39·5	60	1895	27	1890	3·38	—	—
Pembroke	29·930	42·1	40·4	46·6	39·0	58	1872	26	1888	2·26	139·9	38
Scilly	29·946	46·0	44·1	49·5	42·3	59	1893	30	1883, 90, 91	2·28	—	—
Prawle Point	29·960	42·7	41·2	48·2	37·7	62*	1893, 95	23*	1883, 88, 90	1·88	—	—
Jersey	29·965	44·0	41·9	49·7	39·8	66	1871, 93, 94	21	1890	2·24	180·2	44
Hurst Castle	29·955	41·0	39·9	47·9	37·1	62	1877	21	1887	1·78	—	—
Dover	29·936	40·6	39·2	46·5	36·6	59	1894	13	1890	1·74	—	—
LONDON	29·949	40·0	38·1	50·1	35·2	71	1871	15	1890	1·43	72·3†	20†
Oxford	29·951	38·7	37·2	49·3	34·5	67	1884; 93	15	1891	1·50	119·7	33
Cambridge	29·941	38·8	37·4	50·6	32·9	70	1893, 94	14	1889, 90	1·34	127·4	35
Yarmouth	29·916	40·1	38·5	45·2	35·3	62	1884, 89	18	1892	1·73	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.5 ins. and more in an anticyclone covering nearly the whole of Ireland, England the N. of France and N. Germany.
Lowest 30.0 ins. and less over the N^rn. parts of Scandinavia; and below 30.2 ins. over the Mediterranean.
Gradients moderate (for W^ly. winds) in the north, slight and variable elsewhere.
Barometer inclined to fall a little in most places, but the change is not of a decided character.

TEMPERATURE

Highest 49° at Scilly, 46° to 48° in the S. of Ireland, 49° at Stornoway, 51° in the E. of Scotland.
Lowest (1) 8° F. at Haparanda, 32° at Hernösand; (2) 35° in London, 37° at Paris, 38° at Brussels.
It rose in many parts of England yesterday to between 53° and 64° F., but there were some localities round London where, owing to continuous fog it did not reach 50°. Early this morning it fell to 31° at Cambridge.

WIND

Light to fresh from the W^rn. at our northern stations.
Light to moderate from E. and N.E. over the Channel and France; a fresh warm breeze was prevalent at Nice.

WEATHER

Rather showery in the N. of Scotland and N. of Ireland, fine generally elsewhere; a great deal of fog, however, prevailed in many parts of England and in many places the sky was clear.
Bright Sunshine recorded yesterday was considerable (8 to 10 hrs.) on our S.E. coast, but was slight in the N. At Westminster, also, there was only 0.1 hr.

SEA

Slight, or smooth, except in the far north.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is no indication of any general change at present.

FORECASTS

For the 24 hours ending at NOON on 15^TH. MARCH 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	W^ly. winds, strong, some showers.
1	SCOTLAND EAST	SW^ly. and W^ly. winds, moderate, fair.
2	ENGLAND N.E.	
3	ENGLAND EAST	Calms and varying airs; thick fog at times.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	SW^ly. breezes, light to moderate; fair, hazy.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes	30·43	44	43	SW	4	b	2
Sumburgh Head	30·20	45	44	SW	2	o	5
Stornoway	30·20	51	50	WSW	4	r	4
Aberdeen	30·34	59	51	WSW	3	bc	2
Shields	30·49	54	50	W	1	c	2
Ardrossan	30·45	47	47	S	3	om	3
Malin Head	30·42	50	48	WSW	3	bc	3
Belmullet	30·49	52	50	WSW	4	rw	*
Holyhead	30·56	49	48	SW	2	fa	1
Valencia	30·58	54	51	SW	2	bc	4
Scilly	30·56	53	51	NE	2	om	2
Jersey	30·55	53	49	ENE	3	b	3
Hurst Castle	30·56	55	50	S	1	bm	1
Dungeness	30·55	50	48	ENE	3	b	2
North Foreland							
London (Westminster)	30·55	56	51	ENE	1	cw	*
Yarmouth	30·56	41	40	SSE	3	f	3
Rochefort	30·41	57	54	NE	4	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine over the whole of central Europe, England and Ireland, but foggy in places; unsettled and rather showery in the N. of our Islands and the W. of Norway, rather disturbed over the Mediterranean, Italy and the S. of France. A little rain later in the most Nrn. parts of Ireland and Scotland, and fog clearing temporarily in London.

Temperature changing fitfully – fallen fast over central England at first, rising fast later. Highest 62° at Nice, 59° at Algiers, 58° at Malta; 50° on the coasts of Devon and Cornwall and at Belmullet, 49° in the S. of Ireland, 45° at Stornoway, 41° in the W. of Norway. Rising later to between 55° and 64° in many parts of Ireland, to 58° at Donaghadee, to 61° at Paris, 66° at Nice, and 68° at Lisbon.

Wind (1) W. ¼ over the northern parts of our Islands, and NW. ¼ (a gale) over the Gulf of Finland; (2) E. ¾ to NE. ¾ over France the north of Italy and Spain. Variable over Algeria. No decided change reported later.

Barometer 30.6 ins. and more to 30.5 ins. in an anticyclone covering the whole of Ireland, England the N. of France and N. Germany. Lowest (1) 29.7 ins. and less in a depression over the N. of Russia; 29.8 ins. and less off the W. of Lapland; 29.9 ins. and less over Tunis and the Wrn. part of Sicily. A depression advancing eastwards over the NW. of Norway later.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 15th March, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)								PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.62	21	NW	2	bc	29.34	-.61	18	17	+ 10	S	0	m	4	bc	*	21	-13	-
	Hernösand ...	29.78	41	S	0	0	29.71	-.21	41	37	+ 9	NSW	6	bc	4	0	*	45	25	-
	Stockholm ...	29.94	43	W	2	0	29.92	-.16	41	39	+ 6	W	4	b	4	0	*	46	34	0.04
	Wisby	30.03	40	W	4	b	30.03	-.16	40	38	+ 4	W	4	b	4	b	*	41	32	0.08
	Karlstad ...	30.00	17	SW	2	b	29.98	-.06	44	41	+ 5	W	2	0	4	b	*	*	*	-
	Bodö	29.49	37	W	6	c	29.55	-.16	34	29	+ 3	WNW	6	bc	3	c	*	37	25	-
	Christiansund ...	29.89	44	NSW	9	r	29.97	+.17	42	41	- 4	W	7	r	6	r	*	46	39	0.12
	Skudesnaes ...	30.29	44	NW	4	0	30.26	+.02	43	43	0	NW	5	r	2	r.0	*	45	39	*
	Færder (Christiania Fjord)	30.08	43	NSW	4	b	30.06	-.01	43	41	+ 2	SW	6	0	3	b	*	46	41	-
	Skagen (The Scaw)	30.19	42	WNW	6	m	30.18	-.05	43	42	0	W	6	m	2	m	*	48	41	-
	Fanö	30.42	42	NSW	3	b	30.40	-.05	41	41	0	NSW	2	b	*	b	*	48	39	-
	Sumburgh Head	30.14	47	W	4	0	30.18	+.09	46	45	- 1	W	4	0	6	0	*	48	43	0.05
	Stornoway ...	30.27	50	NSW	3	0	30.28	+.02	46	45	- 3	NSW	3	c	3	0	1.1	51	43	0.03
	Wick	30.25	51	SW	4	bc	30.30	+.06	49	47	- 2	NW	3	bc	2	bc	*	57	44	-
	Nairn	30.31	52	NSW	3	bc	30.33	+.01	47	44	- 3	SW	1	bc	1	bc	*	57	40	-
	Aberdeen ...	30.32	47	NE	1	bc	30.38	+.05	45	43	- 6	W	1	bcmw	1	bc	7.2	59	34	-
British Islands.	Leith	30.39	49	W	2	0	30.39	-.05	47	45	- 1	NSW	3	c	*	0	*	51	44	-
	Shields	30.44	49	W	3	0	30.43	-.05	42	40	- 3	W	2	bm	2	b,0	*	57	38	-
	Spurn Head ...	30.46	46	W	3	b	30.45	-.07	42	41	- 3	NNW	2	omw	2	b	*	51	38	-
	York	30.47	50	W	1	b	30.47	-.07	40	39	- 4	NNE	1	0	*	bc	7.2	56	36	-
	Loughborough ...	30.49	50	NNW	1	b	30.50	-.07	30	30	- 11	SW	1	0f	*	bm.f	*	59	29	-
	Ardrossan ...	30.44	47	SSW	3	0	30.44	-.05	46	46	- 1	SSW	2	0	2	c.0	*	48	45	-
	Malin Head ...	30.42	47	NSW	3	cm	30.40	-.04	45	45	- 1	SSW	2	c	1	c.cm	*	48	45	-
	Belmullet ...	30.48	48	SSW	3	0	30.41	-.09	46	44	- 1	NSW	2	0	*	0	*	50	44	0.01
	Donaghadee ...																*			
	Liverpool (Bidston)	30.50	46	NNW	1	b	30.48	-.08	43	41	- 4	SSE	1	b	?	bm	*	50	39	-
	Holyhead ...	30.50	47	S	0	b	30.45	-.10	44	43	- 3	E	1	b	1	0,b	*	51	49	-
	Parsonstown ...	30.52	52	N	1	bc	30.44	-.13	33	33	- 14	SW	1	b	*	0,bc	4.9	55	32	-
	Valencia ...	30.47	48	S	0	c	30.36	-.20	41	40	- 5	ENE	1	bm	3	0,c	0.0	49	35	-
	Roche's Point ..	30.49	51	SSE	1	b	30.42	-.16	45	44	- 3	N	1	bcw	2	b	*	55	40	-
	Pembroke (St. Ann's Hd.)	30.47	50	N	3	b	30.44	-.12	44	43	- 0	E	3	bm	2	b	10.4	52	42	-
	Scilly	30.43	51	ENE	1	b	30.35	-.16	51	49	+ 2	E	4	b	2	b	9.6	54	46	-
	Prawle Point ...	30.46	49	ENE	3	bc	30.41	-.12	48	44	+ 1	E	4	b	3	bc	*	55	42	-
	Jersey (St Anbin's)	30.42	54	NE	4	bm	30.37	-.14	50	46	+ 5	E	3	bm	3	bm	*	56	44	-
	Hurst Castle ...	30.47	51	S	0	bm	30.44	-.09	42	40	0	NE	1	bm	u	bm	*	57	36	-
	Dungeness ...	30.47	47	ENE	2	b	30.44	-.09	40	39	+ 4	NNE	2	bw	1	b	*	52	33	0.01
	North Foreland																*			
	London (Bctrton) ...	30.48	43	ENE	1	f	30.48	-.11	32	32	- 3	W	1	f	*	fg.b	0.0	57	30	-
	Oxford	30.50	47	NE	1	b	30.50	-.08	34	34	- 2	N	1	f	*	b.bm	*	61	33	-
	Cambridge ...	30.48	53	S	0	bm	30.50	-.08	40	40	+ 6	N	1	0m	*	bm	7.5	60	32	-
	Yarmouth ...	30.48	48	SE	1	b	30.46	-.06	45	43	+ 3	NW	1	bcm	2	b	*	50	40	-
Germany & Holland.	Cuxhaven ...	30.53	45	W	1	b	30.42	-.08	38	38	+ 3	SW	1	f	*	b	*	46	35	-
	Berlin	30.45	47	W	2	b	30.43	-.12	40	39	0	W	2	b	*	b	*	52	39	-
	Wiesbaden ...	*	*	*	*	*	30.44	-.07	37	35	0	NE	1	b	*	*	*	54	36	-
	Munich... ..	30.45	43	S	0	b	30.44	-.04	38	32	0	SE	3	b	*	b	*	55	28	-
	The Helder ...	30.48	42	S	0	b	30.45	-.08	40	39	- 1	S	0	f	0	b	*	50	32	-
Belgium.	Brussels ...	*	*	*	*	*	30.46	-.07	42	39	+ 4	S	0	b	*	b	*	54	38	-
	Cape Gris Nez...	?	44	E	1	bc	?	?	43	41	+ 3	E	2	f	1	bc	*	48	37	-
	Paris	30.38	56	NE	3	b	30.40	-.05	37	35	0	N	2	b	*	b	*	65	35	-
	Brest	30.36	57	ENE	3	b	30.29	-.21	47	41	+ 5	ENE	3	b	2	b	*	66	41	-
	Lorient... ...	30.34	56	ENE	3	b	30.30	-.14	45	43	+ 2	E	4	bc	2	b	*	64	43	-
France &	Rochefort ...	30.31	59	NE	3	b	30.24	-.16	45	43	0	E	3	b	*	b	*	66	41	-
	Belfort	30.32	52	ENE	4	m	30.38		36	34		ENE	2	f	*	m	*	59	35	-
	Lyons	30.30	55	NNW	1	b	30.36	-.01	44	43	+ 1	NW	1	b	*	b	*	61	42	-
	Nice	30.18	60	SW	2	c	30.25	+.06	56	44	- 4	E	1	b	1	c	*	66	52	-
	Perpignan ...	30.25	59	E	2	bc	30.28	+.01	47	47	- 4	W	2	b	*	bc	*	70	45	-
	Biarritz ...	30.23	55	NNW	3	0	30.18	-.12	46	45	- 2	E	2	b	2	0	*	59	45	-
Peninsula.	Corunna ...																*			
	Lisbon	30.12	61	NE	4	b	30.10	-.07	54	50	+ 1	NE	4	0	*	b	*	68	53	-
	Azores (P. Delgada)	29.75	57	SE	4	0	29.59	-.36	58	57	0	ESE	4	c	4	0	*	63	55	0.16

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page*

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

Bright Sunshine yesterday Southport 0.0 hrs;

WEATHER CHARTS

FOR Wednesday, 15th March, 1899.

BAROMETER, WIND AND SEA.

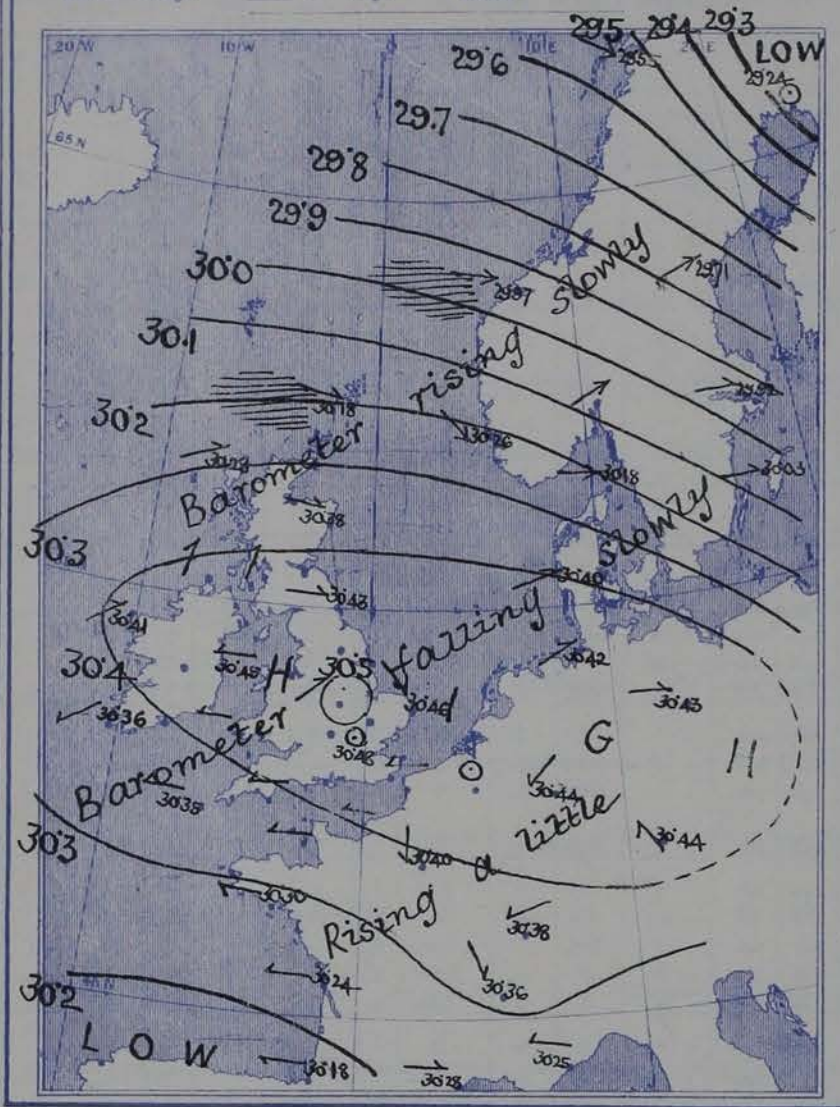
BAROMETER—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟫⟶ ; *Force 5 to 7* ⟶ ; } Calm ⊙

Force 8 to 10 ⟩⟶ ; *Force 1 to 4* ⟶ ; }

SEA—*Rough* ▭ ; *High* ▬

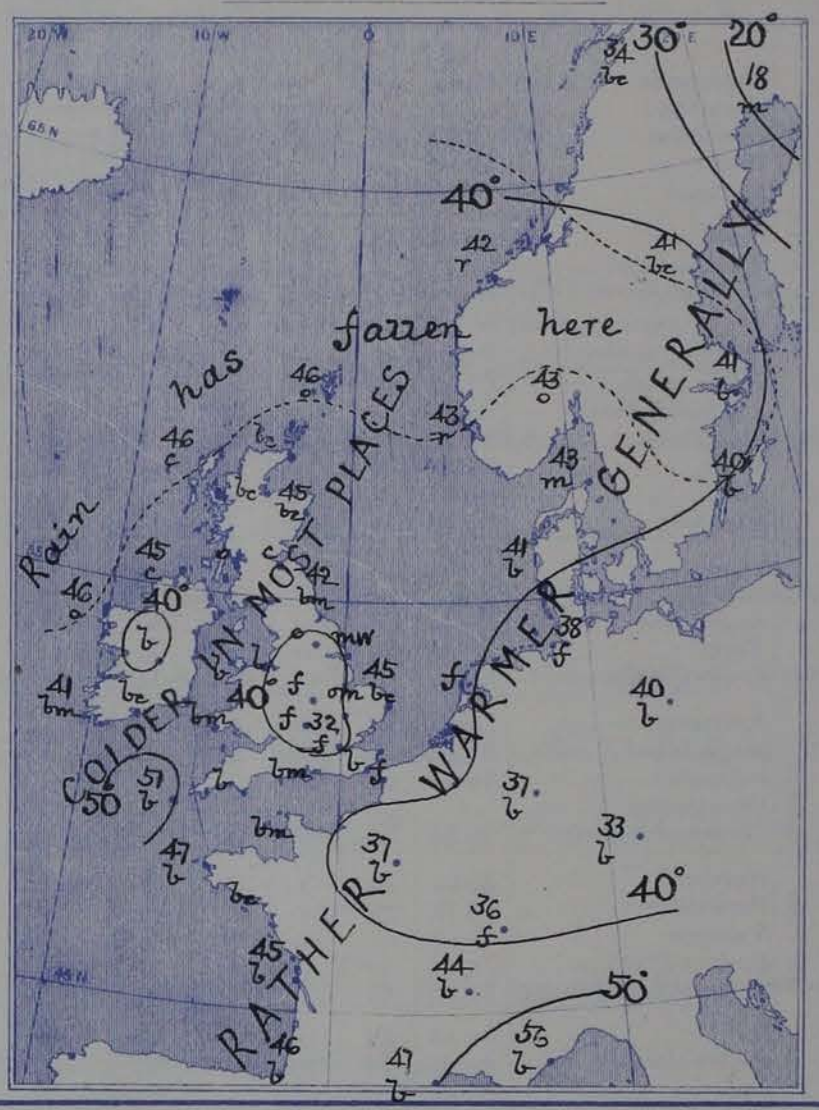


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those withou' rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF MARCH.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29·737	38·5	37·0	42·8	34·0	57	1893	18	1879	2·75	—	—
Stornoway	29·772	39·2	38·2	44·9	34·2	58	1872	13	1881	3·70	103·3	29
Wick	29·781	38·9	37·2	44·9	33·8	62	1894	15	1891	1·99	—	—
Nairn	29·802	37·9	36·2	45·9	33·4	65	1884	6	1892	1·68	—	—
Aberdeen	29·821	38·6	36·5	45·7	34·3	66	1889, 91, 92	10	1889	2·23	124·0	34
Leith	29·849	39·3	37·6	48·0	34·4	68	1884	19	1879, 81, 89	1·41	—	—
Shields	29·873	39·3	37·7	46·2	34·8	64	1884, 93	15	1889	1·74	—	—
Spurn Head	29·891	39·7	38·3	44·8	36·4	62*	1890, 93	24*	1886	1·19	—	—
York	29·904	38·5	36·9	48·4	33·8	68	1884, 92, 93	8	1883	1·66	109·1	30
Loughborough	29·931	38·6	36·9	49·8	33·8	69*	1884, 93	15*	1883	1·54	—	—
Ardrossan	29·861	40·1	38·6	46·4	36·1	63	1884	18	1891	2·30	—	—
Malin Head	29·842	41·0	39·3	46·5	38·5	—	—	—	—	—	—	—
Belmullet	29·882	43·2	41·4	48·4	39·3	—	—	—	—	3·80	—	—
Donaghadee	29·883	40·7	39·5	47·3	37·1	65	1874	25	1892	1·97	—	—
Holyhead	29·906	42·0	40·5	47·4	38·8	67	1894	27	1881	2·20	—	—
Liverpool	29·911	40·2	38·1	47·2	36·7	66	1871	21	1886	1·67	—	—
Parsonstown	29·925	40·1	38 6	49·9	34·9	66	1894	18	1891	2·20	114·7	32
Valencia	29·929	44·8	42·8	51·0	40·3	64	1871, 94	27	1886, 91, 92	3·87	135·3	37
Roche's Point	29·930	43·3	41·5	49·7	39·5	60	1895	27	1890	3·38	—	—
Pembroke	29·930	42·1	40·4	46·6	39·0	58	1872	26	1888	2·26	139·9	38
Scilly	29·946	46·0	44·1	49·5	42·3	59	1893	30	1883, 90, 91	2·28	—	—
Prawle Point	29·960	42·7	41·2	48·2	37·7	62*	1893, 95	23*	1883, 88, 90	1·88	—	—
Jersey	29·965	44·0	41·9	49·7	39·8	66	1871, 93, 94	21	1890	2·24	160·2	44
Hurst Castle	29·955	41·0	39·9	47·9	37·1	62	1877	21	1887	1·78	—	—
Dover	29·936	40·6	39·2	46·5	36·6	59	1894	13	1890	1·74	—	—
LONDON	29·949	40·0	38·1	50·1	35·2	71	1871	15	1890	1·43	72·3†	20†
Oxford	29 951	38·7	37·2	49·3	34·5	67	1884, 93	15	1891	1·50	119·7	33
Cambridge	29·941	38·8	37·4	50·6	32·9	70	1893, 94	14	1889, 90	1·34	127·4	35
Yarmouth	29·916	40·1	38·5	45·2	35·3	62	1884, 89	18	1892	1·73	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest, 30·5 ins: at Oxford, Loughborough and Cambridge, and exceeding 30·4 ins: over almost the whole of Ireland, England, the northeast of France and the Netherlands.
Lowest, 29·34 ins: at Haparanda and below 29·5 ins: over the greater part of Lapland and the north of Sweden.
Gradients moderate over Scandinavia, slight elsewhere
Barometer rising in Norway and the north of our Islands, falling a little elsewhere. At Valencia the fall of the barometer is checked.

TEMPERATURE — Highest, 56° at Nice, 51° at Scilly, 49° at Wick, 48° at Pawlett and 43° to 42° in the west of Norway.
Lowest, (1) 18° at Haparanda, 34° at Boden; (2) 33° at Munich, 37° at Wiesbaden and Paris; (3) 30° at Loughborough, 32° in London, 34° at Oxford.
The maxima recorded yesterday were as high as 55° to 59° in many parts of our Islands, 61° at Oxford, 65° at Paris, 66° at Brest and Rochefort, 70° at Perpignan. There were great local differences in various parts of London. The minima early this morning were 29° to 32° at many of our Central stations.

WIND — W' and SW' at the Scandinavian stations, and strong in places.
SW' and Variable in Scotland (very light); E to NE, moderate to light over France and the Channel.

WEATHER — Rainy in the west of Norway, fine generally elsewhere, but foggy in several places.
Hoar frost was formed on the ground over England early this morning.
Bright Sunshine recorded yesterday varied from 9 to 11 hrs on our southeast coasts, and amounted to 10·4 hrs at Pembroke; there was as much as 7·2 hrs at Aberdeen and York, but none on our northwest coasts.

SEA — Smooth except in the far north.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is at present not any important tendency for change of weather.

FORECASTS

For the 24 hours ending at NOON on 16TH MARCH, 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	SW¼ to W¼ breezes, light; fine, hazy in places.
2 ENGLAND N.E. 3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	Varying and NE¼ airs; fine, but fog at intervals, cold at night.
6 SCOTLAND WEST 7 ENGLAND N.W.	Same as Nos 0 and 1.
8 ENGLAND S.W. 9 IRELAND NORTH 10 IRELAND SOUTH	S¼ and E¼ airs; fine, some fog.

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·27	44	44	NW	4	r	2
Sumburgh Head	30·13	48	47	W	5	o	6
Stornoway	30·29	51	49	WSW	4	o	4
Aberdeen	30·33	52	48	E	1	bc	1
Shields	30·44	56	50	WSW	3	b	2
Ardrossan	30·47	48	48	SSW	8	c	2
Malin Head ...	30·46	48	47	WSW	2	c	2
Belmullet	30·49	50	48	SSW	3	o	*
Holyhead	30·53	51	49	SW	1	o	1
Valencia	30·52	48	46	SSE	1	o	3
Scilly	30·46	53	50	NE	3	b	2
Jersey	30·47	55	51	ENE	4	b	3
Hurst Castle ...	30·49	53	49	NE	1	bm	1
Dungeness ...	30·48	51	46	NE	2	b	2
North Foreland							
London (Westminster)	30·50	48	46	N	0	qf	*
Yarmouth ...	30·50	50	47	N	2	b	2
Rochefort ...	30·35	63	57	E	3	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine over Germany, Holland, France, England and Ireland, but foggy or hazy in many parts of Great Britain, raining in the northwest of Norway. Some rain later in several parts of Scandinavia and the north of Scotland, weather fine elsewhere – but very foggy in London till the evening.

Temperature changing little. Morning readings highest 63° at Barcelona, 60° at Nice and Cagliari, and above 55° at many of the Mediterranean stations; 50° to 51° in the east of Scotland; 49° at Scilly, 48° both at Valencia and at Christiansund. Lowest -8° F. at Archangel, +8° at Haparanda, 19° at Moscow; 33° to 37° in the south and west of Germany, and 37° to 39° at many of the French stations. Rising later to between 55° and 60° in various parts of our Islands, to 59° at Brussels, to 65° at Paris, 66° at Nice and 70° at Perpignan. Following night cold again inland.

Wind W (NW to SW) at the stations in the north of our Islands and over northern Europe. A cyclonic circulation in the northwest of Norway, very light and variable over England as a whole, but NE in the Channel and over France and southern Europe. No decided change over our Islands and the neighbourhood later.

Barometer highest 30·5 ins. and more to 30·4 ins. in an anticyclonic band stretching from Ireland across England, the north of France and Germany. Lowest 29·8 ins. and less, in a depression over the northwest of Norway; and below 30·0 ins. in another off the coast of Ferris. Rising at our northern stations and in Norway later, but falling in the Azores and on our west and south coasts.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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,, Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 16th March, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.60	26	NW	6	b	29.79	+.45	10	10	−8	N	7	b	*	b	*	36	10	–
	Hernösand ...	29.95	35	NW	2	b	30.01	+.30	32	30	−9	SW	4	s	*	b	*	43	32	–
	Stockholm ...	29.97	42	W	2	o	30.12	+.20	36	33	−5	W	2	c	*	o	*	46	36	–
	Wisby	30.01	40	WSW	4	b	30.16	+.13	37	35	−3	ESE	4	b	*	b	*	45	34	–
	Karlstad ...	30.02	48	W	2	c	30.12	+.14	37	36	−7	E	2	b	*	c	*	*	*	–
	Bodö	29.89	33	WNW	6	o	29.88	+.33	33	30	−1	W	4	o	2	o	*	34	25	–
	Christiansund ...	30.07	39	WSW	2	r	30.01	+.04	44	43	+2	WSW	9	r	6	r	*	45	37	0.59
	Skudesnaes ...	30.31	43	NW	2	o	30.32	+.06	43	42	0	NW	4	of	2	of	*	45	41	*
	Færder (Christiania Fjord)	30.09	43	WSW	3	o	30.13	+.07	39	38	−4	W	2	bc	2	c	*	43	39	–
	Skagen (The Scaw)	30.17	42	WNW	5	bc	30.16	−.02	42	41	−1	NW	4	c	1	bc	*	48	39	–
	Fanö	30.38	44	WNW	2	c	30.34	−.06	43	42	+2	NW	4	bc	*	c	*	48	41	–
British Islands.	Sumburgh Head	30.22	46	W	4	o	30.29	+.11	47	46	+1	W	3	o	5	o	*	49	45	–
	Stornoway ...	30.30	50	SW	3	o	30.37	+.09	42	41	−4	WSW	3	b	3	c.o	1.5	51	39	–
	Wick	30.34	52	W	2	bc	30.40	+.10	48	45	−1	WNW	2	o	2	bc	*	55	44	–
	Nairn	30.35	49	WSW	1	c	30.42	+.09	41	39	−6	S	1	b	o	c	*	53	38	–
	Aberdeen ...	30.37	45	NE	1	c	30.45	+.07	44	42	−1	WSW	1	bmw	1	bc.c	7.3	53	37	–
	Leith	30.38	48	W	1	o	30.45	+.06	39	39	−8	W	1	f	*	o	*	51	37	–
	Shields	30.40	47	SE	1	f	30.45	+.02	38	37	−4	WSW	1	bm	2	bc.f	*	50	36	–
	Spurn Head ...	30.42	44	E	2	b	30.45	.00	44	42	+2	SSW	1	bm	2	b	*	49	38	–
	York	30.41	54	SSE	1	b	30.45	−.02	35	35	−5	S	0	f	*	o.b	6.3	57	29	–
	Loughborough ...	30.41	52	E	1	b	30.47	−.03	31	31	+1	S	0	ofw	*	b,bm,f	*	60	29	–
	Ardrossan ...	30.40	48	SSW	2	b	30.45	+.01	40	40	−6	NW	1	bfw	1	o.b	*	49	38	–
	Malin Head ...	30.36	46	ESE	1	bm	30.37	−.03	49	48	+4	ESE	1	bm	1	b,bm	*	50	44	–
	Belmullet ...	30.35	54	SW	1	b	30.36	−.05	48	45	+2	WSW	2	b	*	b	*	58	40	–
	Donaghadee ...	?30.44	47	SSW	2	b	?30.45		46	46		S	0	f	0	b	*	51	43	–
	Liverpool (Bidston)	30.40	50	SE	1	b	30.44	−.04	42	41	−1	ESE	2	b	?	b.f	*	55	37	–
	Holyhead ...	30.40	49	E	1	b	30.43	−.02	45	44	+1	S	0	bf	0	b	*	53	40	–
	Parsonstown ...	30.39	59	SE	1	b	30.41	−.03	35	35	+2	NW	1	bm	*	b	9.9	64	32	–
	Valencia ...	30.29	59	SW	4	bm	30.32	−.04	55	45	+14	ESE	4	bm	3	bm	10.5	65	39	–
	Roche's Point ..	30.37	53	ESE	4	bcm	30.39	−.03	49	48	+4	ESE	3	m	3	bcm	*	56	43	–
	Pembroke (St. Ann's Hd.)	30.32	57	S	2	b	30.40	−.04	45	45	+1	E	3	bm	1	b	9.1	58	43	–
	Scilly	30.31	51	E	4	bm	30.29	−.06	51	50	0	E	5	b	2	b,bm	10.4	56	49	–
	Prawle Point ...	30.37	50	NE	4	b	30.38	−.03	50	47	+2	NE	4	b	3	b	*	56	46	–
	Jersey (St. Aubin's)	30.31	56	ENE	3	bm	30.36	−.01	51	48	+1	ENE	3	bm	3	bc.bm	*	61	46	–
	Hurst Castle ...	30.37	51	E	1	bm	30.41	−.03	42	41	0	NE	2	bm	1	bm	*	56	40	–
	Dungeness ...	30.38	48	ENE	3	b	30.41	−.03	44	44	+4	NNE	3	m	2	b	*	53	38	–
	North Foreland																*			
	London (Brixton) ...	30.43	52	ESE	2	bm	30.45	−.03	36	36	+4	ENE	1	f	*	bm,b	0.5	60	32	–
	Oxford	30.43	46	NE	1	b	30.48	−.02	31	31	−3	NNE	1	f	*	b	*	61	31	–
	Cambridge ...	30.42	49	ENE	1	bm	?30.46	−.04	29	29	−11	S	0	f	*	b	8.5	60	27	–
	Yarmouth ...	30.41	45	NNE	2	b	30.46	.00	42	41	−3	NE	3	f	3	b.bw	*	48	36	–
Germany & Holland.	Cuxhaven ...	30.36	43	W	2	b	30.38	−.04	42	41	+4	NNW	2	o	*	b	*	48	38	–
	Berlin	30.35	51	WNW	3	b	30.33	−.10	41	40	+1	WNW	2	o	*	b	*	57	37	–
	Wiesbaden ...	*	*	*	*	*	30.36	−.08	39	37	+2	S	0	b	*	*	*	61	36	–
	Munich	30.37	44	SE	3	b	30.39	−.05	34	33	+1	S	0	b	*	b	*	59	32	–
	The Helder ...	30.41	42	NNW	1	b	30.45	.00	39	39	−1	N	1	f	1	b	*	52	39	–
France & Belgium.	Brussels ...	*	*	*	*	*	30.44	−.02	35	35	−7	NE	1	f	*	b	*	61	34	–
	Cape Gris Nez ...	?	45	E	2	m	?	?	41	40	−2	E	1	f	1	m	*	50	37	–
	Paris	30.32	59	NE	2	b	30.34	−.06	39	38	+2	N	2	f	*	b	*	69	37	–
	Brest	30.29	64	W	0	b	30.28	−.01	49	43	+2	E	1	b	1	b	*	70	39	–
	Lorient	30.26	54	W	0	m	30.28	−.02	47	44	+2	ENE	3	bc	2	m	*	70	36	–
	Rochefort ...	30.13	56	NE	1	b	30.24	.00	48	46	+3	ESE	3	b	*	b	*	66	43	–
	Belfort	30.26	66	ENE	2	m	30.31	−.01	39	37	+3	NE	2	m	*	m	*	62	36	–
	Lyons ...	30.28	59	N	1	b	30.33	−.03	44	44	0	E	1	bf	*	b	*	66	42	–
	Nice	30.23	60	SW	2	b	30.26	+.01	55	43	−1	W	0	f	1	b	*	68	50	–
	Perpignan ...	30.27	57	SE	1	b	30.29	+.01	43	41	−4	SW	2	b	*	b	*	67	41	–
	Biarritz ...	30.14	59	ENE	3	b	30.18	.00	53	48	+1	ESE	3	b	2	b	*	64	46	–
Peninsula.	Corunna ...																*			
	Lisbon	30.06	60	ENE	1	b	30.11	+.01	54	53	0	NE	4	o	*	b	*	66	52	–
	Azores (P. Delgada)	29.63	59	SW	3	c	29.66	+.07	54	58	+1	SW	3	c	3	c	*	64	57	–

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

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

Bright Sunshine yesterday Southport 8.6 hrs;

WEATHER CHARTS

FOR Thursday, 16th March, 1899.

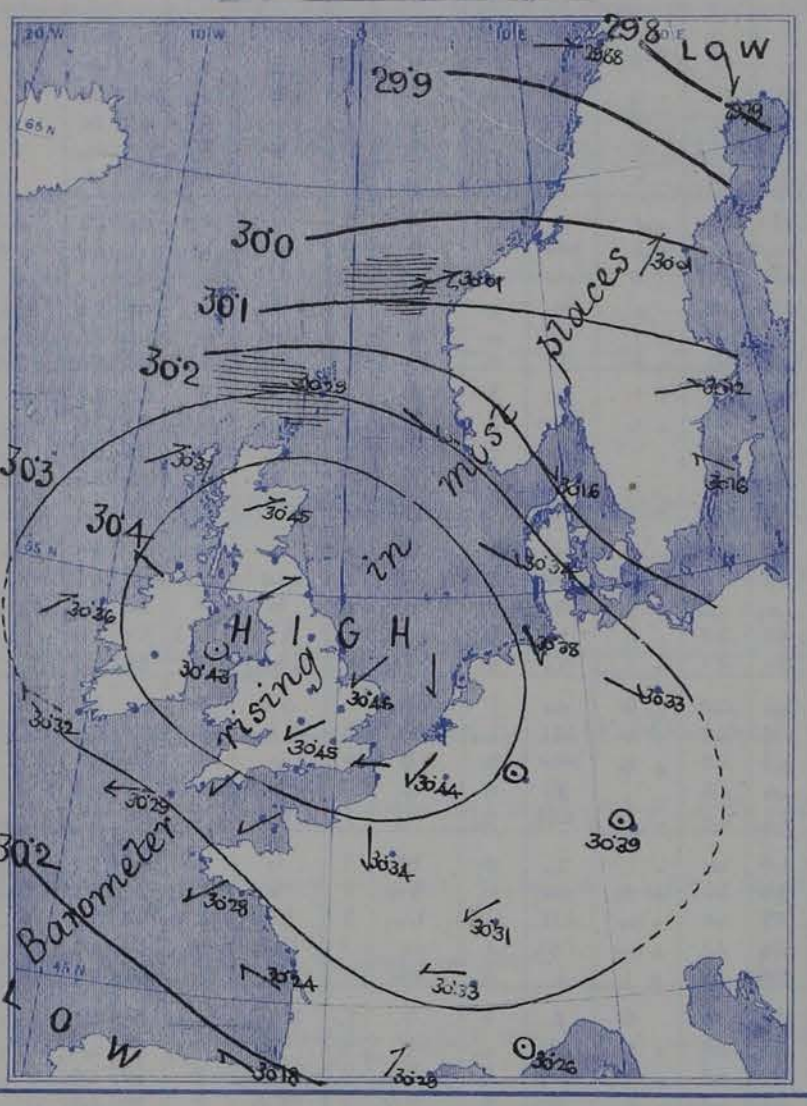
BAROMETER, WIND AND SEA.

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

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

Force above 10 ⟫⟶ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ⟶ ; *Force 1 to 4* ⟶ ; Calm ⊙

SEA—*Rough* ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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.

VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF MARCH.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29·737	38·5	37·0	42·8	34·0	57	1893	18	1879	2·75	—	—
Stornoway	29·772	39·2	38·2	44·9	34·2	58	1872	13	1881	3·70	103·3	29
Wick	29·781	38·9	37·2	44·9	33·8	62	1894	15	1891	1·99	—	—
Nairn	29·802	37·9	36·2	45·9	33·4	65	1884	6	1892	1.68	—	—
Aberdeen	29·821	38·6	36·5	45·7	34·3	66	1889, 91, 92	10	1889	2·23	124·0	34
Leith	29·849	39·3	37·6	48·0	34·4	68	1884	19	1879, 81, 89	1·41	—	—
Shields	29·873	39·3	37·7	46·2	34·8	64	1884, 93	15	1889	1·74	—	—
Spurn Head	29·891	39·7	38·3	44·8	36·4	62*	1890, 93	24*	1886	1·19	—	—
York	29·904	38·5	36·9	48·4	33·8	68	1884, 92, 93	8	1883	1·66	109·1	30
Loughborough	29·931	38·6	36·9	49·8	33·8	69*	1884, 93	15*	1883	1·54	—	—
Ardrossan	29·861	40·1	38·6	46·4	36·1	63	1884	18	1891	2·30	—	—
Malin Head	29·842	41·0	39·3	46·5	38·5	—	—	—	—	—	—	—
Belmullet	29·882	43·2	41·4	48·4	39·3	—	—	—	—	3·80	—	—
Donaghadee	29·883	40·7	39·5	47·3	37·1	65	1874	25	1892	1·97	—	—
Holyhead	29·906	42·0	40·5	47·4	38·8	67	1894	27	1881	2·20	—	—
Liverpool	29·911	40·2	38·1	47·2	36·7	66	1871	21	1886	1·67	—	—
Parsonstown	29·925	40·1	38 6	49·9	34·9	66	1894	18	1891	2·20	114·7	32
Valencia	29·929	44·8	42·8	51·0	40·3	64	1871, 94	27	1886, 91, 92	3·87	135·3	37
Roche's Point	29·930	43·3	41·5	49·7	39·5	60	1895	27	1890	3·38	—	—
Pembroke	29·930	42·1	40·4	46·6	39·0	58	1872	26	1888	2·26	139·9	38
Scilly	29·946	46·0	44·1	49·5	42·3	59	1893	30	1883, 90, 91	2·28	—	—
Prawle Point	29·960	42·7	41·2	48·2	37·7	62*	1893, 95	23*	1883, 88, 90	1·88	—	—
Jersey	29·965	44·0	41·9	49·7	39·8	66	1871, 93, 94	21	1890	2·24	160·2	44
Hurst Castle	29·955	41·0	39·9	47·9	37·1	62	1877	21	1887	1·78	—	—
Dover	29·936	40·6	39·2	46·5	36·6	59	1894	13	1890	1·74	—	—
LONDON	29·949	40·0	38·1	50·1	35·2	71	1871	15	1890	1·43	72·3†	20†
Oxford	29·951	38·7	37·2	49·3	34·5	67	1884, 93	15	1891	1·50	119·7	33
Cambridge	29·941	38·8	37·4	50·6	32·9	70	1893, 94	14	1889, 90	1·34	127·4	35
Yarmouth	29·916	40·1	38·5	45·2	35·3	62	1884, 89	18	1892	1·73	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·4 in: and more to 30·3 in: in an anticyclone covering the United Kingdom, the North Sea, the Netherlands, Germany & France.
Lowest, 29·8 in: and less, in the east of Lapland, and below 30·2 in: over Spain.
Gradients very slight over our Islands.
Barometer rising slightly everywhere.

TEMPERATURE

Highest, 55° at Valencia (Ireland), 51° at Scilly, 50° at Travole Point; 48° at Wick, 44° at Christiansund.
Lowest, (1) 10° F. at Haparanda; 34° at Munich, 39° at Paris; (2) 29° at Cambridge, 31° at Oxford and Loughborough; 35° at Rhyonstown.
The maxima recorded yesterday were as high as 65° to 64° in parts of Ireland, and exceeded 60° at many of the English stations.
The past night, however, has been cold at all inland stations.

WIND

Light to moderate in force and anticyclonic in direction in many parts of our Islands (mainly W. in the north, and E. in the south).
In Norway it is strong to a gale from the W.; in the west of France it is moderate from E.

WEATHER

Fair generally, but dull and foggy at several stations, hazy in others.
Occasionally the sky clears in the day and evening.
Bright Sunshine was abundant yesterday at the south coast stations of England and Ireland, and considerable at Southport and Aberdeen.

SEA

Smooth except off the western Norwegian coast.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

No decided change is indicated at present.

FORECASTS

For the 24 hours ending at NOON on 17th MARCH 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	W. winds, light to moderate; fine.
1	SCOTLAND EAST	SW. airs and Calms; fair, hazy.
2	ENGLAND N.E.	
3	ENGLAND EAST	Same as No 5
4	MIDLAND COUNTIES	Same as Nos 1 and 2.
5	ENGLAND SOUTH	NE. and E. winds, light; fine, foggy at times.
6	SCOTLAND WEST	Same as No 0.
7	ENGLAND N.W.	Same as Nos 1 and 2.
8	ENGLAND S.W.	Same as No 5.
9	IRELAND NORTH	Same as Nos 1 and 2
10	IRELAND SOUTH	E. breezes, moderate; fair.

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·31	44	44	NW	4	of	2
Sumburgh Head	30·21	47	46	W	5	0	6
Stornoway	30·33	51	47	WSW	4	0	4
Aberdeen	30·36	52	46	ESE	1	bc	1
Shields	30·40	58	51	WSW	2	bm	2
Ardrossan	30·42	48	47	SSW	2	0	2
Malin Head ...	30·38	50	49	E	1	b	1
Belmullet	30·38	57	52	SW	1	b	*
Holyhead	30·42	51	49	NNE	2	b	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·31	65	51	SE	1	bm	3
Scilly	30·32	55	51	E	4	b	2
Jersey	30·36	59	52	ENE	4	b	3
Hurst Castle ...	30·39	55	50	NE	1	bm	1
Dungeness ...	30·41	52	49	ESE	3	b	2
North Foreland							
London (Westminster)	30·42	50	53	ENE	1	bm	*
Yarmouth ...	30·42	48	45	NNE	2	b	2
Rochefort ...	30·23	62	56	SW	1	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine and quiet over the whole of the British Islands, the North Sea, France, and the greater part of Germany, with fog in several places, especially over England. Rather unsettled over northern Europe, with rain in the west of Norway, and fog at St Petersburg. Nearly 0·6 in. of rain at Christiansund later, fog or haze continuing more or less in England.

Temperature in morning highest 62° at Barcelona, and between 50° and 60° at most of the Mediterranean stations, 51° at Scilly, 49° at Wick, 47° at Leith, 42° at Christiansund. Lowest, (1) −17° F. at Archangel, +10° at Moscow, 18° at Haparanda; (2) 32° at Prague, 33° at Munich, 37° at Paris; (3) 30° at Loughborough, 32° in London, 33° at Valentia. Rising rapidly later over the inland parts of Western Europe, and many parts of the British Islands, and touching 59° at Wick, 60° at Loughborough, Cambridge, and in London, 65° at Valencia, 69° at Paris, and 70° at Lorient. Succeeding night cold inland.

Wind light and anticyclonic over our Islands, SW. at the northern stations, E. in the south. Light E. over France, strong W. over Scandinavia, and moderate over Germany. No important change reported later.

Barometer highest 30·5 in. to 30·3 in. in an anticyclone covering the British Islands, France, and the west and south of Germany. Lowest (1) 29·4 in. and less over the Eastern parts of Lapland, (2) below 30·1 in. over the southwest of Spain and Portugal, and 29·6 in. at Ponta Delgada (Azores); (3) 30·0 in. and less over Tunis. Falling a little later on our west and south coasts, rising in Norway

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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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Friday, 17th March, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.80	26	NE	0	c	29.78	-.01	17	17	+7	ENE	2	c	*	c	*	27	1	-
	Hernösand ...	29.89	32	NE	0	r	29.64	-.37	35	33	+3	SW	2	f	*	r	*	36	28	0.12
	Stockholm ...	29.93	45	WSW	4	0	29.86	-.26	42	39	+6	WSW	2	0	*	0	*	48	32	-
	Wisby	30.02	40	WSW	4	bc	29.93	-.23	40	37	+3	W	4	c	*	bc	*	43	32	-
	Karlstad ...	30.06	45	SW	2	b	29.90	-.22	39	37	+2	WNW	2	b	*	b	*	*	*	-
	Bodö	29.88	31	NE	0	c	29.83	-.35	30	28	-3	E	4	0	1	c	*	34	27	-
	Christiansund ...	30.04	44	WSW	9	r	29.82	-.19	43	42	-1	WSW	9	r	6	r	*	45	43	0.59
	Skudesnaes ...	30.30	44	NW	2	0	30.22	-.10	43	41	0	W	2	0	2	0	*	46	41	*
	Færder (Christiania Fjord)	30.12	44	WSW	4	c	29.98	-.15	43	38	+4	W	4	0	2	c	*	45	39	-
	Skagen (The Scaw)	30.17	42	WNW	2	c	30.05	-.11	42	41	0	NW	4	bc	1	c	*	50	39	-
	Fanö	30.33	43	NW	4	c	30.29	-.05	42	41	-1	NW	4	b	*	c	*	48	41	-
British Islands	Sumburgh Head	30.31	45	W	4	c	30.15	-.14	46	45	-1	W	4	c	4	o,c	*	48	44	-
	Stornoway ...	30.34	50	S	3	b	30.32	-.05	44	43	+2	SW	3	0	3	b	9.7	53	38	-
	Wick	30.37	47	W	2	b	30.30	-.10	43	42	-5	SW	2	b	2	b	*	53	43	-
	Nairn	30.36	48	E	1	b	30.31	-.11	40	38	-1	N	0	b	0	b	*	56	35	-
	Aberdeen ...	30.39	44	S	1	bm	30.33	-.12	39	37	-5	NW	1	bmw	1	b.bm	9.8	53	33	-
	Leith	30.39	49	N	0	0	30.33	-.12	39	38	0	W	1	m	*	0	*	54	33	-
	Shields	30.42	45	ENE	1	cm	30.34	-.11	36	36	-2	SW	2	bf	2	bc.ef	*	50	32	-
	Spurn Head ...	30.42	40	SSW	3	bf	30.37	-.08	36	36	-8	SSW	3	bf	3	bc.f	*	47	34	0.01
	York	30.41	53	S	1	b	30.38	-.07	35	35	0	N	0	*	*	f.b	4.0	54	33	-
	Loughborough ...	30.42	54	SE	1	b	30.43	-.04	32	32	+1	W	1	bfw	*	b.bm.f	*	61	31	-
	Ardrossan ...	30.39	49	N	0	bf	30.36	-.09	43	43	+3	N	0	bfw	0	bf	*	53	36	-
	Malin Head ...	30.36	50	E	1	bm	30.33	-.04	50	47	+1	SSW	1	bm	1	b.bm	*	60	47	-
	Belmullet ...	30.34	58	WSW	1	b	30.35	-.01	45	44	-3	WSW	1	b	*	b	*	64	38	0.01
	Donaghadee ...	?30.43	49	SSE	2	b	?30.38	-.07	37	37	-9	SSW	3	bf	2	fb	*	51	36	-
	Liverpool (Bidston)	30.42	51	N	1	b	30.39	-.05	42	40	0	SE	1	b	?	bm	*	56	39	-
	Holyhead ...	30.39	54	N	1	bm	30.38	-.05	46	44	+1	SE	1	f	0	bf.bm	*	50	41	-
	Parsonstown ...	30.38	60	SE	1	b	30.39	-.02	35	35	0	S	1	bm	*	b	8.5	64	32	-
	Valencia ...	30.30	60	E	3	bm	30.33	+.01	43	41	-12	ENE	1	bm	2	bm	10.3	66	39	-
	Roche's Point ..	30.36	52	ESE	4	m	30.38	-.01	42	42	-1	N	1	bf	3	m	*	56	40	-
	Pembroke (St. Ann's Hd.)	30.37	54	E	2	b	?30.40	.00	42	42	-3	E	3	bf	2	b	9.5	58	41	-
	Scilly	30.31	51	E	3	bm	30.33	+.04	47	45	-4	E	4	c	2	bm	9.0	55	44	-
	Prawle Point ...	30.38	48	NE	4	b	30.39	-.01	42	41	-8	ENE	4	0	3	b	*	54	41	-
	Jersey (St. Aubin's)	30.34	54	ENE	3	bm	30.36	.00	45	45	-6	NE	4	c	3	bm,f	*	59	44	-
	Hurst Castle ...	30.39	49	ENE	1	bm	?30.40	-.01	43	42	+1	E	2	0	1	bm	*	54	41	-
	Dungeness ...	30.39	43	ENE	4	0	30.40	-.01	45	43	+1	E	3	0	2	0	*	48	?41	-
	North Foreland																*			
	London (Brixton) ...	30.45	43	ENE	3	0	30.43	-.02	41	40	+5	ENE	2	0	*	of.bm	0.0	45	36	-
	Oxford	30.45	44	S	2	b	30.44	-.04	39	38	+8	S	1	0	*	f.b.c	*	59	31	-
	Cambridge ...	30.45	46	ESE	1	bm	30.43	-.03	40	40	+11	N	0	0	*	bm	6.8	57	28	-
	Yarmouth ...	30.44	44	ESE	2	b	30.41	-.05	41	40	-1	WSW	2	bc	2	bc.b	*	45	38	-
Germany & Holland	Cuxhaven ...	30.38	45	WNW	3	c	30.34	-.04	42	41	0	WNW	2	b	*	c	*	46	41	-
	Berlin	30.34	46	W	2	c	30.27	-.06	42	41	+1	WNW	3	0	*	0	*	50	41	-
	Wiesbaden ...	*	*	*	*	*	30.39	+.03	43	41	+4	NE	1	c	*	*	*	63	37	-
	Munich... ..	30.32	50	N	0	b	30.35	-.04	33	33	-1	NW	3	f	*	b	*	61	32	-
	The Helder ...	30.45	43	N	0	0	30.41	-.04	38	38	-1	N	0	f	0	0	*	45	37	-
Belgium.	Brussels ...	*	*	*	*	*	30.41	-.03	40	38	+5	ENE	1	b	*	b	*	53	34	-
	Cape Gris Nez...	?	42	E	4	m	?	?	40	39	-1	ESE	1	f	1	m	*	46	34	-
	Paris	30.31	61	NNE	2	b	30.34	.00	38	38	-1	N	3	f	*	b	*	64	38	-
	Brest	30.31	63	N	1	b	30.34	+.06	41	39	-8	NE	1	b	1	b	*	73	37	-
	Lorient... ...	30.30	60	N	0	m	30.29	+.01	46	45	-1	E	3	m	2	m	*	72	46	-
France &	Rochefort ...	30.24	57	N	3	b	30.21	-.03	46	45	-2	E	3	b	*	b	*	68	43	-
	Belfort	30.28	58	NE	2	m	30.34	+.03	37	36	-2	ENE	1	f	*	m	*	64	36	-
	Lyons	30.25	60	N	1	b	30.26	-.07	46	44	+2	SE	1	b	*	b	*	66	44	-
	Nice	30.19	55	SW	1	b	30.14	-.12	57	44	+2	E	5	b	1	b	*	66	50	-
	Perpignan ...	30.24	57	SE	1	b	30.21	-.08	53	46	+10	W	2	b	*	b	*	70	43	-
	Biarritz ...	30.15	59	NE	3	b	30.19	+.01	54	49	+1	N	0	b	0	b	*	66	52	-
Peninsula	Corunna ...																*			
	Lisbon	30.17	60	NW	2	0	30.22	+.11	57	54	+3	NE	3	b	*	0	*	66	54	-
	Azores (P. Delgada)	29.63	60	S	5	0	29.75	+.09	55	57	-4	W	5	bc	5	0	*	66	54	0.16

For Explanation of Columns, see bottom of last page.

† *Received too late for Insertion in Charts on next page.*

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

Bright Sunshine yesterday Southport 6.7 hrs;

WEATHER CHARTS

FOR Friday, 17th March, 1899.

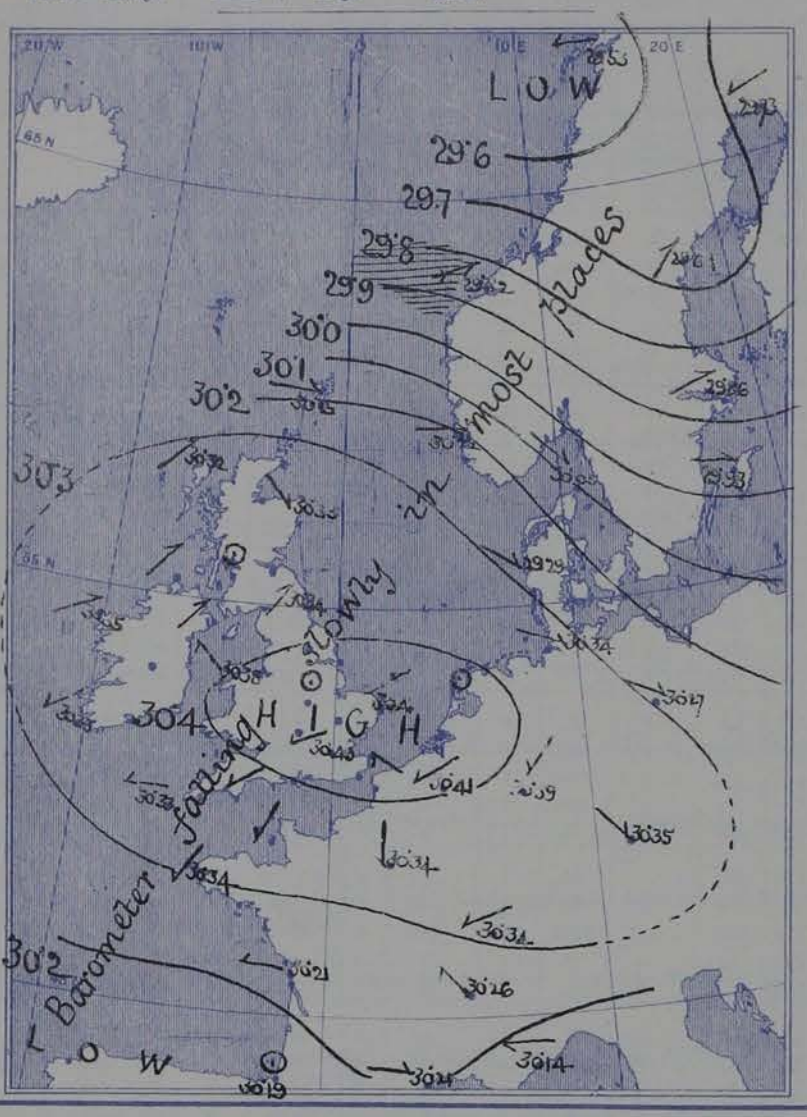
BAROMETER, WIND AND SEA.

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

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

Force above 10 ⟶⟶ ; Force 5 to 7 ⟶ ; } Calm ⊙
Force 8 to 10 ⟶ ; Force 1 to 4 ⟶ ; }

SEA—Rough ; High

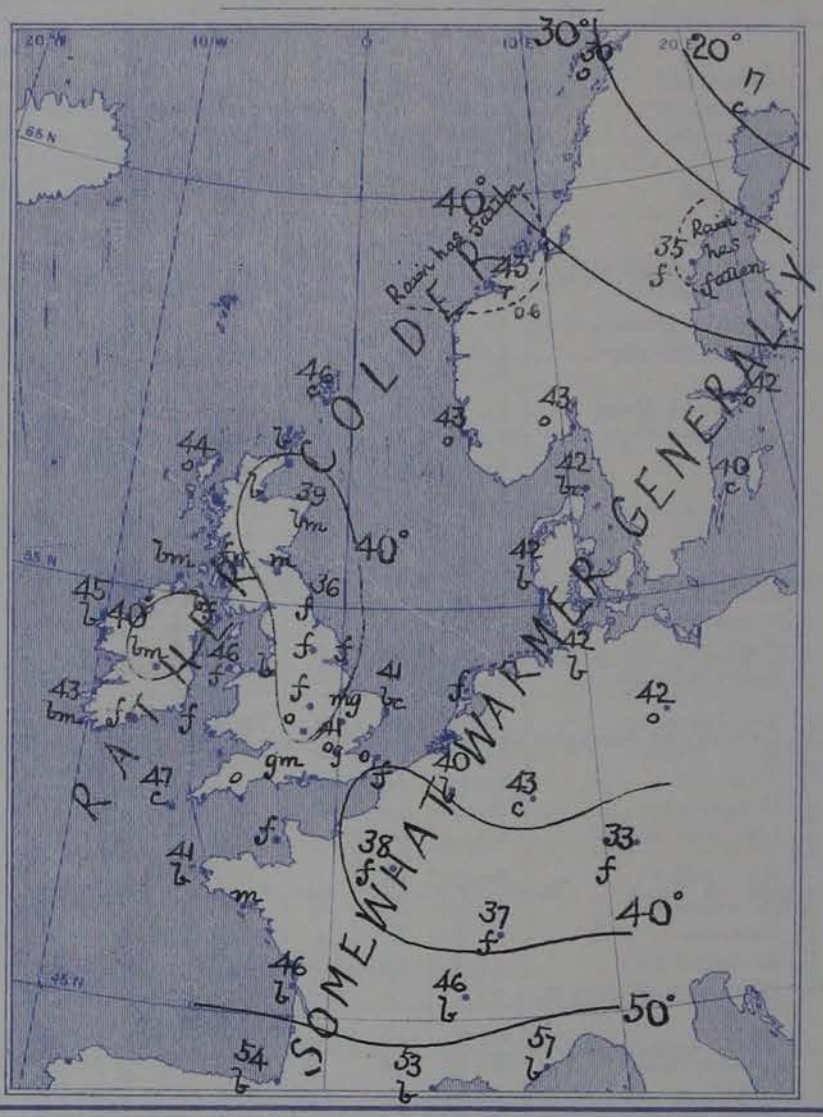


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF MARCH.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·737	38·5	37·0	42·8	34·0	57	1893	18	1879	2·75	—	—
Stornoway	29·772	39·2	38·2	44·9	34·2	58	1872	13	1881	3·70	103·3	29
Wick	29·781	38·9	37·2	44·9	33·8	62	1894	15	1891	1·99	—	—
Nairn	29·802	37·9	36·2	45·9	33·4	65	1884	6	1892	1·68	—	—
Aberdeen	29·821	38·6	36·5	45·7	34·3	66	1889, 91, 92	10	1889	2·23	124·0	34
Leith	29·849	39·3	37·6	48·0	34·4	68	1884	19	1879, 81, 89	1·41	—	—
Shields	29·873	39·3	37·7	46·2	34·8	64	1884, 93	15	1889	1·74	—	—
Spurn Head	29·891	39·7	38·3	44·8	36·4	62*	1890, 93	24*	1886	1·19	—	—
York	29·904	38·5	36·9	48·4	33·8	68	1884, 92, 93	8	1883	1·66	109·1	30
Loughborough	29·931	38·6	36·9	49·8	33·8	69*	1884, 93	15*	1883	1·54	—	—
Ardrossan	29·861	40·1	38·6	46·4	36·1	63	1884	18	1891	2·30	—	—
Malin Head	29·842	41·0	39·3	46·5	38·5	—	—	—	—	—	—	—
Belmullet	29·882	43·2	41·4	48·4	39·3	—	—	—	—	3·80	—	—
Donaghadee	29·883	40·7	39·5	47·3	37·1	65	1874	25	1892	1·97	—	—
Holyhead	29·906	42·0	40·5	47·4	38·8	67	1894	27	1881	2·20	—	—
Liverpool	29·911	40·2	38·1	47·2	36·7	66	1871	21	1886	1·67	—	—
Parsonstown	29·925	40·1	38·6	49·9	34·9	66	1894	18	1891	2·20	114·7	32
Valencia	29·929	44·8	42·8	51·0	40·3	64	1871, 94	27	1886, 91, 92	3·87	135·3	37
Roche's Point	29·930	43·3	41·5	49·7	39·5	60	1895	27	1890	3·38	—	—
Pembroke	29·930	42·1	40·4	46·6	39·0	58	1872	26	1888	2·26	139·9	38
Scilly	29·946	46·0	44·1	49·5	42·3	59	1893	30	1883, 90, 91	2·28	—	—
Prawle Point	29·960	42·7	41·2	48·2	37·7	62*	1893, 95	23*	1883, 88, 90	1·88	—	—
Jersey	29·965	44·0	41·9	49·7	39·8	66	1871, 93, 94	21	1890	2·24	160·2	44
Hurst Castle	29·955	41·0	39·9	47·9	37·1	62	1877	21	1887	1·78	—	—
Dover	29·936	40·6	39·2	46·5	36·6	59	1894	13	1890	1·74	—	—
LONDON	29·949	40·0	38·1	50·1	35·2	71	1871	15	1890	1·43	72·3†	29†
Oxford	29·951	38·7	37·2	49·3	34·5	67	1884, 93	15	1891	1·50	119·7	33
Cambridge	29·941	38·8	37·4	50·6	32·9	70	1893, 94	14	1889, 90	1·34	127·4	35
Yarmouth	29·916	40·1	38·5	45·2	35·3	62	1884, 89	18	1892	1·73	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest, 30·4 ins: and more to 30·3 ins: in a large anticyclone which still covers our Islands and their neighbourhood.
Lowest, 29·6 ins: and less, in the west of Lapland.
Gradients slight. Barometer almost steady.

TEMPERATURE — Highest, 57° at Nice, 54° at Biarritz, 46° at Lorient and Holyhead, 45° at Belmullet, 46° at Lumburgh Head.
Lowest, (1) 17° at Haparanda, 39° at Karlstad; (2) 32° at Loughborough, 35° at York and Parsonstown.
The maxima recorded yesterday were as high as 70° at Nice, 73° at Brest, 64° to 66° in the west of Ireland, 61° at Loughborough, but at the latter station the thermometer went down to 31° in the screen and 25° on the grass during the night.

WIND — Light and anticyclonic in our Islands and their neighbourhood — E. at the southern stations, SW. to W. in the far north.
At Christiansund, however, a gale from WSW has recommenced.

WEATHER — Fair over our Islands generally — foggy or hazy in many places, clear at others.
Rain has again fallen in the west of Norway and at Hernösands.
Bright Sunshine recorded yesterday was very variable in different localities, and ranged from a little more than 10 hours at Southport to none in London. On the whole the coasts were clearer than the inland districts.

SEA — Smooth or nearly so except in the far north.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone seems to be giving way slowly, but at present there is nothing indicative of an early change of importance.

FORECASTS

For the 24 hours ending at NOON on 18th MARCH 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	W. breezes, fresh; some showers.
1	SCOTLAND EAST	SW. and W. breezes, light; fair.
2	ENGLAND N.E.	
3	ENGLAND EAST	Calms and Variable airs; gloomy, hazy, fog at intervals.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos 1 and 2.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Same as Nos 3 to 5.
9	IRELAND NORTH	Same as Nos 1 and 2.
10	IRELAND SOUTH	E. breezes, light; fair.
	WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·36	46	45	NW	4	0	2
Sumburgh Head	30·38	47	46	W	4	0	5
Stornoway	30·36	53	50	SSW	4	b	4
Aberdeen	30·40	52	46	SE	2	b	1
Shields	30·45	48	45	NE	2	bc	2
Ardrossan	30·41	52	50	N	1	bf	0
Malin Head ...	30·37	55	53	S	1	b	0
Belmullet	30·37	64	55	SW	1	b	*
Holyhead	30·41	54	50	NW	1	b	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·31	66	57	ESE	3	bm	4
Scilly	30·29	54	52	E	4	bm	2
Jersey	30·36	59	53	ENE	3	b	3
Hurst Castle ...	30·39	54	50	ENE	1	bm	1
Dungeness ...	30·40	45	44	NE	3	0	2
North Foreland							
London (Westminster)	30·45	44	42	ENE	2	0gm	*
Yarmouth ...	30·45	45	43	E	3	bf	2
Rochefort ...	30·24	66	60	SE	2	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather fair and quiet over the whole of the British Islands and their neighbourhood, but foggy or hazy in many parts of the United Kingdom; less settled over Russia and northern Europe, with rain at Christiansund, snow at Moscow. Rain later in considerable quantity at Christiansund and Hernösand, weather remaining dry in our Islands, but dull in the southeast.

Temperature in morning highest 62° at Barcelona, 59° at Languiniaie, 55° at Nice; 55° at Valencia (Ireland) also, 51° at Scilly, 49° at Malin Head, 47° at Sumburgh Head. Rising later to between 64° and 66° in the west of Ireland, to 73° at Brest, and to 70° at Nice, but not exceeding 45° in London. Succeeding night cold over our midland counties.

Wind W³ (SW to NW) moderate to a gale over northern Europe, light W' in the north of Scotland, calm over England. Moderate E' in the English Channel and over the Bay of Biscay, light and variable over the Mediterranean.

Barometer highest 30·4 ins: and more to 30·3 ins: in a large anticyclone covering the whole of the British Islands and the greater part of Central Europe. Lowest (1) 29·3 ins: and less, in a depression near Moscow; (2) Below 30·1 ins: over the south of Spain, and below 29·7 ins: in the Azores. No important change reported later.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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

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„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 18th March, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.50	15	ENE	4	0	29.52	-.26	4	2	-13	N	4	b	#	0	#	27	?	-
	Hernösand ...	29.25	35	NW	6	b	29.36	-.28	14	13	-21	NNW	10	S	#	b	#	45	?	0.04
	Stockholm ...	29.33	41	W	0	b	29.15	-.14	30	25	-12	NW	8	0	#	b	#	50	?	-
	Wisby	29.52	40	NW	4	b	29.28	-.65	33	28	-7	NNW	8	b	#	b	#	43	33	-
	Karlstad ...	29.43	44	NW	6	bc	29.41	-.49	32	26	-7	NW	8	b	#	bc	#	#	#	-
	Bodö	29.71	31	NE	6	s	29.78	+.25	20	17	-10	NE	4	b	1	s	#	32	18	-
	Christiansund ...	29.61	31	NNE	9	s	29.91	+.09	30	28	-13	NE	9	s	7	s	#	43	28	0.32
	Skudesnaes ...	29.97	37	NNW	8	o	29.93	-.29	34	32	-9	N	8	c	2	o	#	45	32	#
	Færder (Christiania Fjord)	29.58	42	SW	5	b	29.61	-.37	35	30	-8	NW	6	b	3	b	#	45	34	-
	Skagen (The Scaw)	29.70	42	NNW	7	m	29.64	-.41	38	31	-4	NNW	7	b	2	m	#	48	36	-
	Fanö	30.00	41	NW	5	o	29.84	-.45	38	34	-4	NNW	7	bc	#	o	#	45	36	-
British Islands.	Sumburgh Head	30.16	35	NW	4	o	30.28	+.13	32	30	-14	N	5	c	6	o	#	49	29	0.02
	Stornoway ...	30.30	45	N	4	r	30.45	+.13	37	35	-7	NE	4	c	4	bc.r	3.3	54	34	0.03
	Wick	30.25	40	NW	5	o	30.37	+.07	37	35	-6	N	6	bcsp	4	o	#	55	33	0.02
	Nairn	30.25	50	NW	3	c	30.38	+.07	37	35	-3	NNE	3	bc	4	c	#	54	34	-
	Aberdeen ...	30.21	50	N	1	b	30.33	.00	36	33	-3	N	5	bcq	4	b,r.s	8.7	52	33	0.03
	Leith	30.18	51	W	2	b	30.34	+.01	41	37	+2	NNE	3	bc	#	b	#	63	37	-
	Shields	30.19	53	SE	1	f	30.28	-.06	40	36	+4	NNE	4	c	4	bm.f	#	62	35	-
	Spurn Head ...	30.19	49	WSW	1	b	30.16	-.21	42	38	+6	N	5	o	4	bc.f	#	51	35	-
	York	30.21	52	SSW	1	b	30.25	-.13	40	36	+5	N	3	o	#	f.b	3.6	58	34	-
	Loughborough ...	30.24	45	SW	1	f	30.22	-.21	40	38	+8	NNE	3	ogm	#	bm.f.q	#	50	27	-
	Ardrossan ...	30.22	49	W	0	bf	30.33	-.03	40	40	-3	NNE	4	bf	2	b.bf	#	54	38	-
	Malin Head ...	30.26	50	W	2	bm	30.31	-.02	40	38	-10	E	5	om	4	b,bm	#	59	39	0.01
	Belmullet ...	30.32	53	W	1	b	30.30	-.05	45	43	0	NNE	4	o	#	b	#	58	43	-
	Donaghadee ...	30.27	58	SSW	2	b	30.32	-.06	41	38	+4	E	5	cr	5	b	#	62	37	-
	Liverpool (Bidston)	30.25	49	W	2	b	30.27	-.12	40	35	-2	NE	4	o	3	bm	#	56	39	-
	Holyhead ...	30.27	50	SW	1	b	30.22	-.16	42	41	-4	E	5	om	4	b	#	56	40	-
	Parsonstown ...	30.28	59	W	0	b	30.24	-.15	43	42	+8	N	1	o	#	b	9.2	65	34	-
	Valencia ...	30.29	53	W	0	bm	30.19	-.14	42	42	-1	W	0	f	2	bm	9.3	59	40	-
	Roche's Point ..	30.32	47	S	1	f	30.20	-.18	46	44	+4	NNW	8	m	3	f.m	#	52	40	-
	Pembroke (St. Ann's Hd.)	30.29	45	NW	1	b	30.16	-.24	41	41	-1	NW	8	fw	3	b	5.0	46	41	0.03
	Scilly	30.26	48	E	2	bcm	30.11	-.22	46	45	-1	N	3	m	0	c.bcm	3.1	52	44	-
	Prawle Point ...	30.28	43	ENE	3	bc	30.11	-.28	41	40	-1	N	2	bc	1	bc.f	#	48	33	-
	Jersey (St. Aubin's)	30.25	52	ENE	3	bm	30.11	-.25	43	43	-2	NW	1	ofw	1	m.bm	#	54	40	-
	Hurst Castle ...	30.27	45	WSW	1	bm	30.09	-.31	40	39	-3	NNE	3	bm	1	bcm.bm	#	50	35	-
	Dungeness ...	30.24	45	ENE	3	b	30.07	-.33	39	39	-6	NE	3	f	2	b	#	49	28	-
	North Foreland																#			
	London (Brixton) ...	30.27	41	WSW	1	bm	30.14	-.29	41	40	0	ENE	4	o	#	o.q.b.f	0.0	46	31	-
	Oxford	30.24	44	SW	1	b	30.16	-.28	43	42	+4	NE	2	o	#	o.b.o	#	49	31	-
	Cambridge ...	30.26	43	SW	1	bm	30.17	-.26	42	41	+2	NNE	4	o	#	o.bm.f	0.4	43	26	-
	Yarmouth ...	30.23	45	W	2	bc	30.12	-.29	40	38	-1	NNE	5	c	4	b.bc	#	46	32	-
Germany & Holland.	Cuxhaven ...	30.21	41	W	4	o	29.91	-.43	39	37	-3	NW	5	c	#	o	#	43	37	-
	Berlin	30.10	47	WNW	3	b	29.81	-.46	39	38	-3	NW	3	o	#	b	#	54	37	-
	Wiesbaden ...	#	#	#	#	#	29.95	-.44	36	35	-7	W	0	b	#	#	#	52	32	-
	Munich	30.21	40	SW	3	b	29.94	-.41	33	33	0	SW	4	b	#	b	#	45	30	-
	The Helder ...	30.21	42	WNW	1	bc	30.02	-.39	41	38	+3	NNE	4	c	4	bc	#	45	37	-
Belgium.	Brussels ...	#	#	#	#	#									#		#			
	Cape Gris Nez ...	?	43	E	2	b	?	?	40	40	0	ENE	4	fair	4	b	#	50	37	-
	Paris	30.20	52	N	2	b	30.06	-.28	32	32	-6	NNW	1	fair	#	b	#	57	32	-
	Brest	30.22	60	W	1	b	30.10	-.24	44	43	+3	NE	2	c	2	b	#	64	37	-
	Lorient	30.22	55	W	0	m	30.06	-.23	42	41	-4	E	4	b	2	m	#	72	44	-
France &	Rochefort ...	30.14	55	NNW	2	b	30.02	-.19	46	44	0	E	2	b	#	b	#	66	43	-
	Belfort	30.26	44	NE	1	m	29.97	-.37	32	32	-5	W	2	f	#	m	#	51	29	-
	Lyons	30.14	59	NNW	1	b	30.01	-.26	44	41	-2	N	1	f	#	b	#	66	39	-
	Nice	30.08	63	W	0	b	29.90	-.24	54	45	-3	E	1	b	0	b	#	72	52	-
	Perpignan ...	30.10	65	NW	2	b	29.99	-.22	53	46	0	W	2	b	#	b	#	75	48	-
	Biarritz ...	30.12	59	SSW	3	b	30.02	-.17	52	47	-2	SSW	3	b	1	b	#	63	50	-
Peninsula.	Corunna ...																#			
	Lisbon	30.19	58	WNW	3	b	30.11	-.11	59	55	+2	S	1	b	#	b	#	66	55	-
	Azores (P. Delgada)	30.02	56	WSW	3	b	30.06	+.31	57	53	+2	W	3	c	3	b	#	63	55	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

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

Bright Sunshine yesterday Southport 7.9 hrs;

WEATHER CHARTS

FOR Saturday, 18th March, 1899.

BAROMETER, WIND AND SEA.

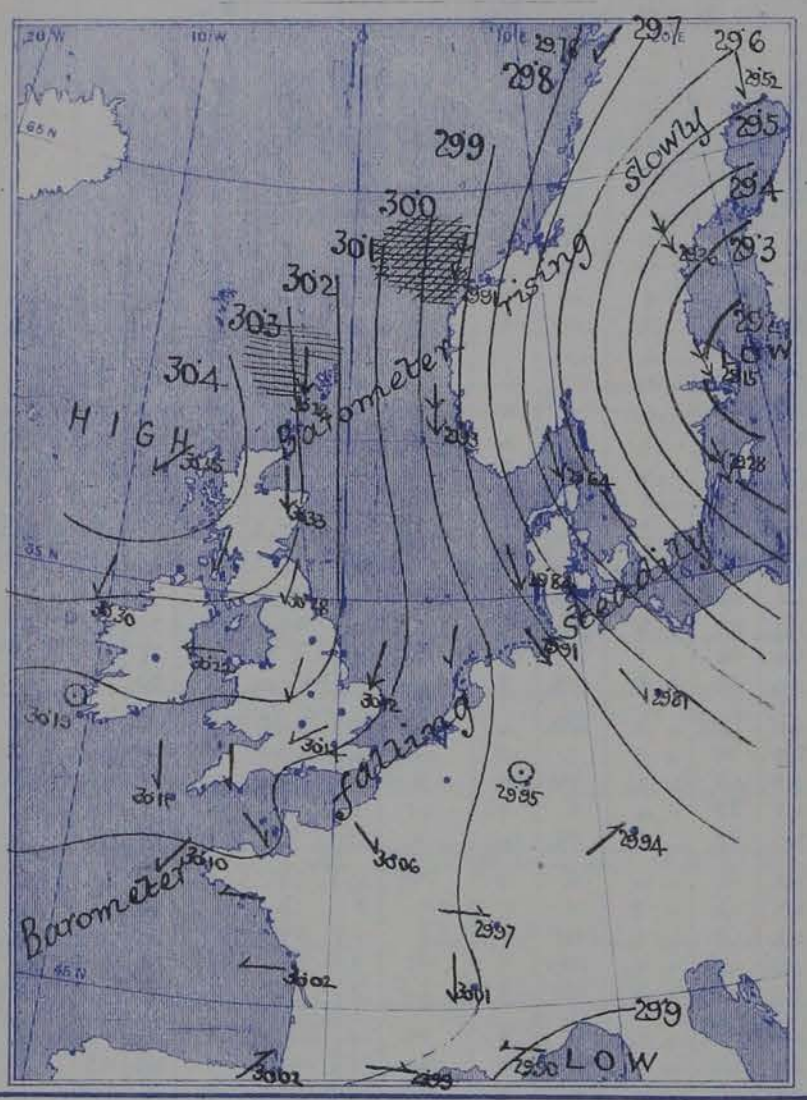
BAROMETER—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⇉ ; *Force 5 to 7* ⟶ ; *Force 1 to 4* ⟶ ; Calm ⊙

Force 8 to 10 ⟶ ;

SEA—*Rough* ▤ ; *High* ▩

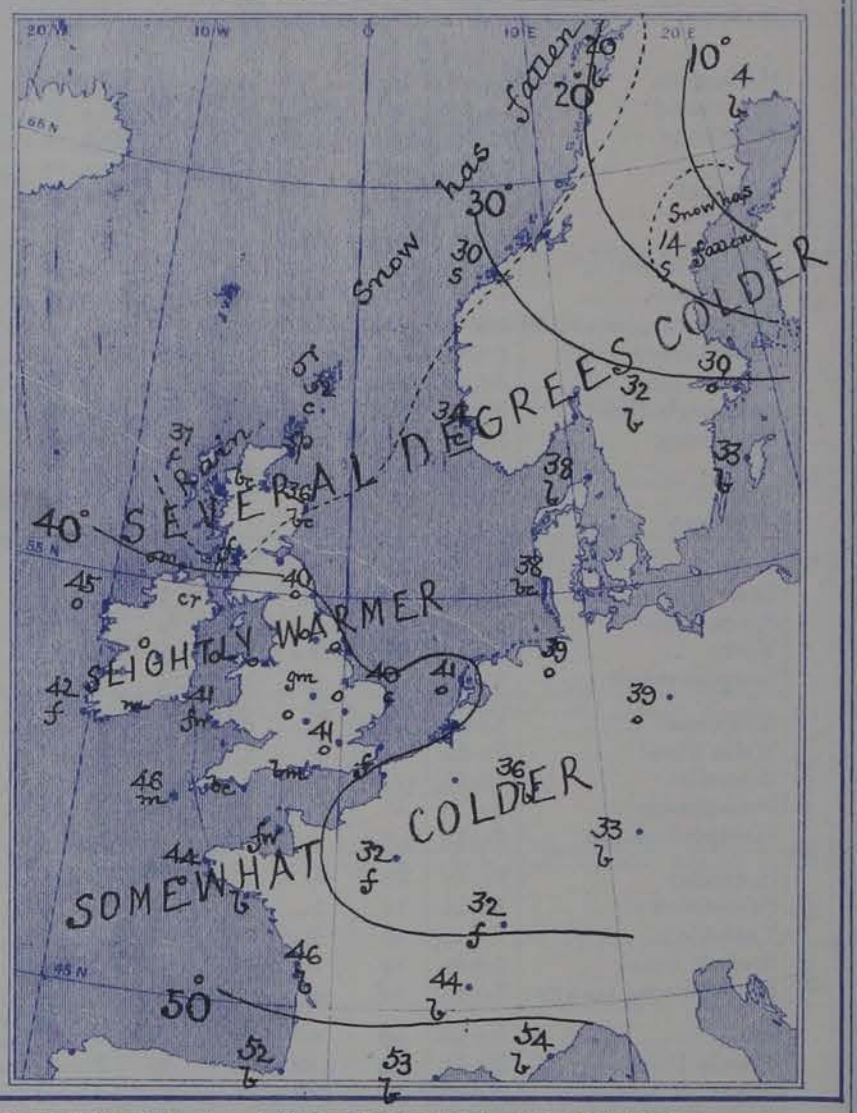


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those withow rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF MARCH.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 737	38 · 5	37 · 0	42 · 8	34 · 0	57	1893	18	1879	2 · 75	—	—
Stornoway	29 · 772	39 · 2	38 · 2	44 · 9	34 · 2	58	1872	13	1881	3 · 70	103 · 3	29
Wick	29 · 781	38 · 9	37 · 2	44 · 9	33 · 8	62	1894	15	1891	1 · 99	—	—
Nairn	29 · 802	37 · 9	36 · 2	45 · 9	33 · 4	65	1884	6	1892	1 . 68	—	—
Aberdeen	29 · 821	38 · 6	36 · 5	45 · 7	34 · 3	66	1889, 91, 92	10	1889	2 23	124 · 0	34
Leith	29 · 849	39 · 3	37 · 6	48 · 0	34 · 4	68	1884	19	1879, 81, 89	1 · 41	—	—
Shields	29 · 873	39 · 3	37 · 7	46 · 2	34 · 8	64	1884, 93	15	1889	1 · 74	—	—
Spurn Head	29 · 891	39 · 7	38 · 3	44 · 8	36 · 4	62*	1890, 93	24*	1886	1 · 19	—	—
York	29 · 904	38 · 5	36 · 9	48 · 4	33 · 8	68	1884, 92, 93	8	1883	1 · 66	109 · 1	30
Loughborough	29 · 931	38 · 6	36 · 9	49 · 8	33 · 8	69*	1884, 93	15*	1883	1 · 54	—	—
Ardrossan	29 · 861	40 · 1	38 · 6	46 · 4	36 · 1	63	1884	18	1891	2 · 30	—	—
Malin Head	29 · 842	41 · 0	39 · 3	46 · 5	38 · 5	—	—	—	—	—	—	—
Belmullet	29 · 882	43 · 2	41 · 4	48 · 4	39 · 3	—	—	—	—	3 · 80	—	—
Donaghadee	29 · 883	40 · 7	39 · 5	47 · 3	37 · 1	65	1874	25	1892	1 · 97	—	—
Holyhead	29 · 906	42 · 0	40 · 5	47 · 4	38 · 8	67	1894	27	1881	2 · 20	—	—
Liverpool	29 · 911	40 · 2	38 · 1	47 · 2	36 · 7	66	1871	21	1886	1 · 67	—	—
Parsonstown	29 · 925	40 · 1	38 6	49 · 9	34 · 9	66	1894	18	1891	2 · 20	114 · 7	32
Valencia	29 · 929	44 · 8	42 · 8	51 · 0	40 · 3	64	1871, 94	27	1886, 91, 92	3 · 87	135 · 3	37
Roche's Point	29 · 930	43 · 3	41 · 5	49 · 7	39 · 5	60	1895	27	1890	3 · 38	—	—
Pembroke	29 · 930	42 · 1	40 · 4	46 · 6	39 · 0	58	1872	26	1888	2 · 26	139 · 9	38
Scilly	29 · 946	46 · 0	44 · 1	49 · 5	42 · 3	59	1893	30	1883, 90, 91	2 · 28	—	—
Prawle Point	29 · 960	42 · 7	41 · 2	48 · 2	37 · 7	62*	1893, 95	23*	1883, 88, 90	1 · 88	—	—
Jersey	29 · 965	44 · 0	41 · 9	49 · 7	39 · 8	66	1871, 93, 94	21	1890	2 · 24	160 · 2	44
Hurst Castle	29 · 955	41 · 0	39 · 9	47 · 9	37 · 1	62	1877	21	1887	1 · 78	—	—
Dover	29 · 936	40 · 6	39 · 2	46 · 5	36 · 6	59	1894	13	1890	1 · 74	—	—
LONDON	29 · 949	40 · 0	38 · 1	50 · 1	35 · 2	71	1871	15	1890	1 · 43	72 · 3†	20†
Oxford	29 · 951	38 · 7	37 · 2	49 · 3	34 · 5	67	1884, 93	15	1891	1 · 50	119 · 7	33
Cambridge	29 · 941	38 · 8	37 · 4	50 · 6	32 · 9	70	1893, 94	14	1889, 90	1 · 34	127 · 4	35
Yarmouth	29 · 916	40 · 1	38 · 5	45 · 2	35 · 3	62	1884, 89	18	1892	1 · 73	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·45 ins: at Stornoway, and exceeding 30·2 ins: over all the northern and extreme western parts of our Islands.
Lowest, 29·2 ins: and less, in a well marked depression lying over the Baltic.
Gradients slight over our Islands, moderate to rather steep (for N. winds) over the North Sea.
Barometer fallen generally, most over the Baltic, but inclined to rise again at our northern stations and in the northwest of Norway.

TEMPERATURE

Highest, 54° at Nice, 52° at Biarritz; 46° at Scilly and Rockabill, 43° at Oxford.
Lowest (1) 4° F. at Haparanda, 14° at Haparanda, 30° at Stockholm; (2) 32° at Dumbarton Head, 36° at Aberdeen.
It rose during yesterday to 60° and more in several parts of Ireland, and on some of our northeast coasts, but fell very decidedly in many places during the night.

WIND

N. at all the northern and eastern stations, and blowing hard in many places over the Baltic and on the eastern side of the North Sea.
In the south it is rather more E. and of little strength.

WEATHER

Squally and showery over the northern and northeastern parts of the Kingdom, dull and hazy in the west and southwest, still fine over France, though foggy in places.
The general appearance is less fair than of late.
Bright Sunshine exceeded 9 hours at the Irish stations and amounted to 8·7 hrs even at Aberdeen. In England the amounts reported were smaller than of late.

SEA

Moderate at some northern, northeastern and western stations

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The weather is likely to be colder and less settled during the daytime than of late, with occasional N. squalls and cold showers.

FORECASTS

For the 24 hours ending at NOON on 19th MARCH 1899.

DISTRICTS.		FORECASTS.
▼ 0	SCOTLAND NORTH	N. winds, strong; occasional showers, squally.
▼ 1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	
4	MIDLAND COUNTIES	NE. and N. winds, fresh; some rain.
5	ENGLAND SOUTH	
6	SCOTLAND WEST	N. breezes, moderate to fresh; dull, fair.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	At 7·30 pm yesterday to parts of districts 0 and 1 "Hoist North Cone".

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·09	45	43	NW	4	o	2
Sumburgh Head	30·07	47	46	W	4	o	4
Stornoway	30·27	54	50	NW	3	bc	3
Aberdeen	30·24	52	46	S	1	b	1
Shields	30·27	55	50	NNE	1	bm	2
Ardrossan	30·27	53	51	SW	0	b	0
Malin Head ...	30·29	55	50	NW	1	b	0
Belmullet	30·34	57	55	WSW	1	b	*
Holyhead	30·34	55	52	NW	1	b	1
Valencia	30·30	57	52	ENE	1	bm	3
Scilly	30·30	51	48	E	3	c	1
Jersey	30·32	49	48	ENE	3	m	3
Hurst Castle ...	30·32	49	46	NE	1	bm	1
Dungeness ..	30·32	48	45	NE	3	b	2
North Foreland							
London (Westminster)	30·34	44	42	S	1	ogm	*
Yarmouth ...	30·30	46	44	WSW	2	b	2
Rochefort ...	30·20	60	56	NW	2	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning continuing fine over our Islands, France, and Central Europe, but cloud increasing over the southeast of England and over Germany: fog in many places. Unsettled over the northwest of Norway, with rain at Christiansund. Some rain and slight snow later in different part of Scandinavia, and some showers in the north of our Islands and at Pembroke.

Temperature changing little and irregularly. Morning readings highest 63° at Corunna, much above 50° at many of the Mediterranean stations; 47° at Scilly, 46° at Holyhead. Lowest (1) −24° F. at Archangel, −1° at Kuopio, +10° at Moscow, 28° at Kuopio, 41° at Breslau; (2) 33° at Munich, 38° at Nairn and the Helder; (3) 32° at Loughborough, 35° at Parsonstown. Rising later to 65° at Parsonstown, 62° in the northeast of Ireland and at Shields, 63° at Leith, 64° at Brest, 66° at Lyons, and 75° at Perpignan.

Wind still light and anticyclonic over our Islands and France; NW¹ to W², moderate, on the eastern side of the North Sea, but WSW², a strong gale, at Christiansund, and E³ at Bodö. Increasing in force over Scandinavia later, and becoming NW¹ to N³ still later on our north and northeast coasts and freshening.

Barometer highest 30·4 in. and more to 30·3 in. in a large, but imperfect anticyclone, covering the whole of our Islands and their neighbourhood. Lowest 29·6 in. and less in the northwest of Norway. Gradients rather steep in the latter region. Falling later, especially over Scandinavia; a depression arriving there from the northwestward.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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

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DAILY WEATHER REPORT

for 8 a.m. on Sunday 19th March, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of 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 Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	29.49	6	N	4	b	29.30	−.22	4	3	0	NW	4	b	*	b	*	16	−2	—
	Hernösand ...	29.63	14	NW	4	b	29.55	+.19	8	8	−6	W	0	0	*	b	*	34	?	—
	Stockholm ...	29.60	17	N	4	0	29.62	+.47	14	12	−16	NW	4	b	*	0	*	41	?	—
	Wisby	29.58	22	N	9	0	29.64	+.36	19	17	−14	NNW	6	s	*	0	*	34	18	—
	Karlstad ...	29.71	23	NNE	8	b	29.48	+.27	19	16	−13	SW	4	0	*	b	*	*	*	—
	Bodö	29.65	18	NE	4	0	29.70	−.08	16	13	−4	NE	4	b	1	0	*	23	12	—
	Christiansund ...	29.86	28	NE	8	s	29.67	−.24	27	25	−3	NE	8	s	6	s	*	30	27	0.32
	Skudesnaes ...	29.96	33	N	6	s	29.82	−.11	29	29	−5	NNW	4	s	2	bc s	*	37	28	*
	Færder (Christiania Fjord)	29.78	32	NNW	4	c	29.70	+.09	28	25	−7	W	4	c	2	c	*	36	25	—
	Skagen (The Scaw)	29.79	33	NNE	3	c	29.77	+.13	29	28	−9	W	0	b	0	c	*	38	25	—
	Fanö	29.91	30	N	2	b	29.83	−.01	30	28	−8	W	0	b	*	b	*	41	28	—
British Islands.	Sumburgh Head	30.22	30	N	5	bsp	29.96	−.32	30	28	−2	N	4	csp	6	c,bsp	*	36	25	0.04
	Stornoway ...	30.42	36	NE	5	a	30.22	−.23	36	34	−1	NNE	5	os	5	sp.o	5.0	41	30	0.08
	Wick	30.33	35	NE	7	c	30.04	−.33	34	33	−3	N	7	csw	5	c,s	*	41	28	0.10
	Nairn	30.37	35	NW	4	c	30.14	−.24	35	33	−2	NW	2	c	2	c	*	46	28	—
	Aberdeen ...	30.30	33	NNW	6	c	30.05	−.28	33	31	−3	NW	6	bcq	4	bcq,sp.c	7.6	40	28	0.07
	Leith	30.31	41	NNE	2	c	30.16	−.18	35	31	−6	W	2	bc	*	c	*	44	29	—
	Shields	30.28	36	N	5	csp	30.12	−.16	32	32	−8	WNW	3	bc	4	bc,rsnp	*	47	27	0.06
	Spurn Head ...	30.18	39	N	6	c	30.06	−.10	30	30	−12	NW	6	shq	6	c	*	44	30	0.02
	York	30.26	38	N	1	c	30.16	−.09	31	30	−9	N	2	b	*	c,sp	5.5	45	26	0.01
	Loughborough ...	30.23	40	NNE	3	c	30.18	−.04	29	27	−11	WNW	2	bv	*	om.c.b	*	46	25	—
	Ardrossan ...	30.33	40	NNE	2	bcm	30.23	−.10	36	34	−4	NNE	2	or	1	bcm	*	45	30	—
	Malin Head ...	30.36	40	ENE	3	b	30.27	−.04	39	37	−1	NNW	4	c	3	b	*	43	36	—
	Belmullet ...	30.33	43	ENE	4	bc	30.36	+.06	40	37	−5	E	4	bc	*	o,bc	*	46	32	0.01
	Donaghadee ...	30.34	44	ENE	4	bq	30.28	−.04	35	32	−6	NE	3	b	3	bq	*	50	34	—
	Liverpool (Bidston)	30.27	40	NE	3	bc	30.22	−.05	36	32	−4	NNW	1	b	1	bc	*	46	30	—
	Holyhead ...	30.27	42	NE	5	c	30.24	+.02	38	35	−4	N	4	c	3	c	*	44	35	—
	Parsonstown ...	30.29	42	NE	1	c	30.32	+.08	30	30	−13	NE	1	bc	*	c	0.3	46	28	—
	Valencia ...	30.17	48	ENE	4	cm	30.25	+.06	39	35	−3	ENE	3	bm	3	bcm,cm	6.8	53	37	—
	Roche's Point ..	30.21	45	E	4	m	30.27	+.07	40	38	−6	NE	3	b	3	m	*	48	35	—
	Pembroke (St. Ann's Hd.)	30.17	45	ESE	4	o	30.22	+.06	36	33	−5	E	3	bm	3	o	1.5	47	32	—
	Scilly	30.06	49	E	5	m	30.14	+.03	41	37	−5	ENE	5	c	3	m	5.1	52	36	—
	Prawle Point ...	30.11	44	E	5	o	30.17	+.06	32	31	−9	NNE	5	bc	4	o	*	49	31	—
	Jersey (St. Aubin's)	30.04	47	ENE	5	cm	30.10	−.01	42	37	−1	NE	5	b	4	cm	*	52	39	—
	Hurst Castle ...	30.12	44	NE	3	cm	30.18	+.06	34	32	−6	NNE	3	bm	2	ogm,cm	*	47	31	—
	Dungeness ...	30.09	42	NE	5	b	30.09	+.02	33	32	−6	NNE	4	bc	3	c,b	*	46	27	—
	North Foreland																*			
	London (Brixton) ...	30.16	43	NNE	3	bc	30.15	+.01	32	31	−9	NNW	2	bc	*	o.c.b	0.0	45	30	—
	Oxford	30.22	37	NE	3	c	30.18	+.02	31	29	−12	N	2	b	*	c	*	45	27	—
	Cambridge ...	30.20	38	NNE	4	bc	30.14	−.03	30	29	−12	N	3	b	*	bc	2.8	48	25	0.02
	Yarmouth ...	30.13	40	NNE	5	cq	30.04	−.08	32	32	−8	NW	4	bc	4	b,cq,bq	*	44	32	0.06
Germany & Holland.	Cuxhaven ...	29.87	38	NNW	7	o	29.86	−.05	31	30	−8	W	2	os	*	o	*	41	28	—
	Berlin	29.73	35	WNW	4	c	29.85	+.04	28	25	−11	NW	2	c	*	c	*	46	27	0.04
	Wiesbaden ...	*	*	*	*	*									*	*	*			
	Munich	29.83	42	NW	6	o	29.91	−.03	28	26	−5	NW	4	c	*	o	*	51	28	0.04
	The Helder ...	30.05	36	N	4	r	29.93	−.09	37	35	−4	NNW	3	bc	2	r	*	43	32	0.04
Belgium.	Brussels ...	*	*	*	*	*	30.04		30	30		W	0	s	*	b	*	44	25	0.04
	Cape Gris Nez ...	?	41	E	5	o	?	?	37	35	−3	N	4	c	4	o	*	45	34	—
	Paris	30.02	45	NE	3	o	30.05	−.01	30	28	−2	NNE	2	b	*	o	*	45	28	—
	Brest	29.98	50	NE	1	b	30.11	+.01	41	38	−3	E	3	c	2	b	*	59	37	—
	Lorient	29.98	51	NE	5	m	30.00	−.06	39	38	−3	ENE	5	bc	4	m	*	73	37	—
France &	Rochefort ...	29.88	55	N	3	b	29.86	−.16	43	41	−3	ENE	4	o	*	b	*	61	39	—
	Belfort	29.80	52	NW	2	m	29.91	−.06	33	31	+1	ENE	5	o	*	m	*	59	32	—
	Lyons	?	55	NNW	1	b	29.91	−.10	39	36	−5	N	1	o	*	b	*	64	39	—
	Nice	29.70	55	S	1	b	29.59	−.31	47	46	−7	W	0	bc	2	b	*	64	45	—
	Perpignan ...	29.82	65	NW	2	b	29.74	−.25	51	46	−2	SW	1	b	*	b	*	72	50	—
	Biarritz ...	29.92	57	WSW	4	b	29.78	−.24	51	48	−1	S	3	o	2	b	*	61	48	—
Peninsula.	Corunna ...																*			
	Lisbon ...	30.01	57	WNW	3	o	29.96	−.15	55	51	−4	WNW	3	c	*	o	*	61	55	—
	Azores (P. Delgada)	30.02	59	SW	4	o	29.82	−.24	57	56	0	W	3	o	3	o	*	64	55	1.87

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

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

Bright Sunshine yesterday Southport 2.3 hrs;

WEATHER CHARTS

FOR Sunday, 19th March, 1899.

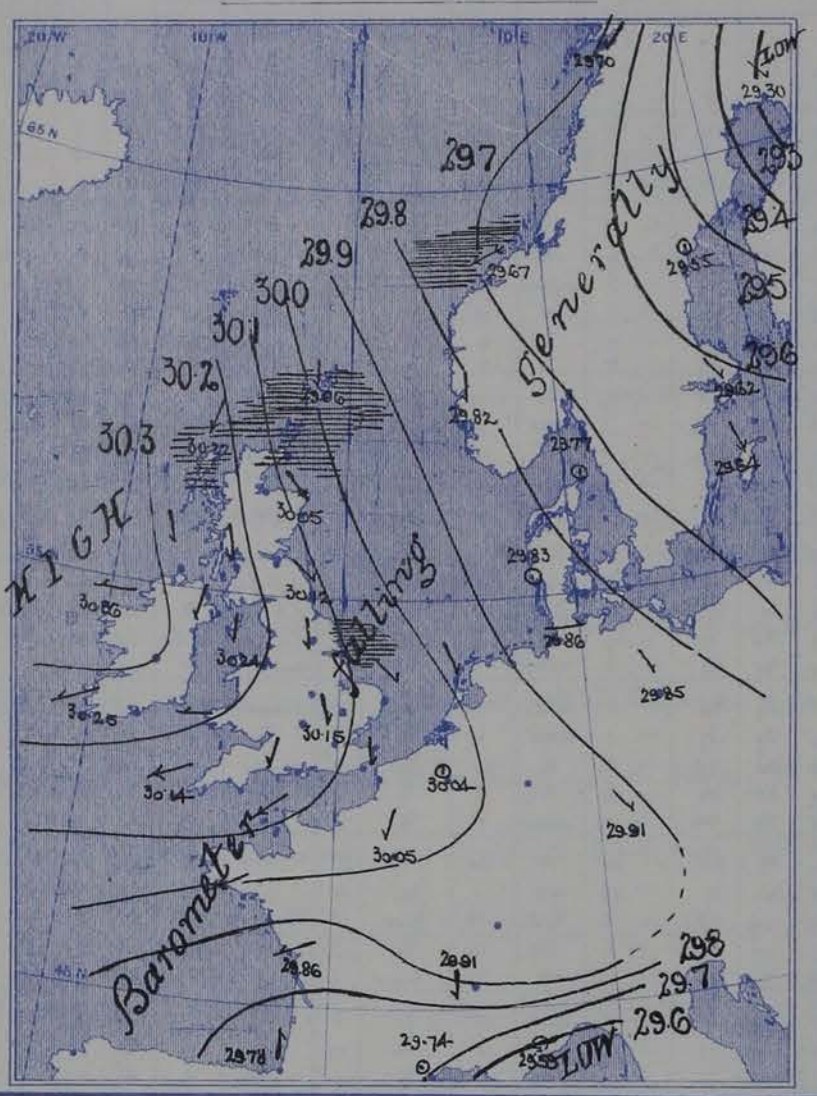
BAROMETER, WIND AND SEA.

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

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

Force above 10 ⟫⟶ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ➤⟶ ; *Force 1 to 4* ⟶ ; Calm ⊙

SEA—*Rough* ; *High*

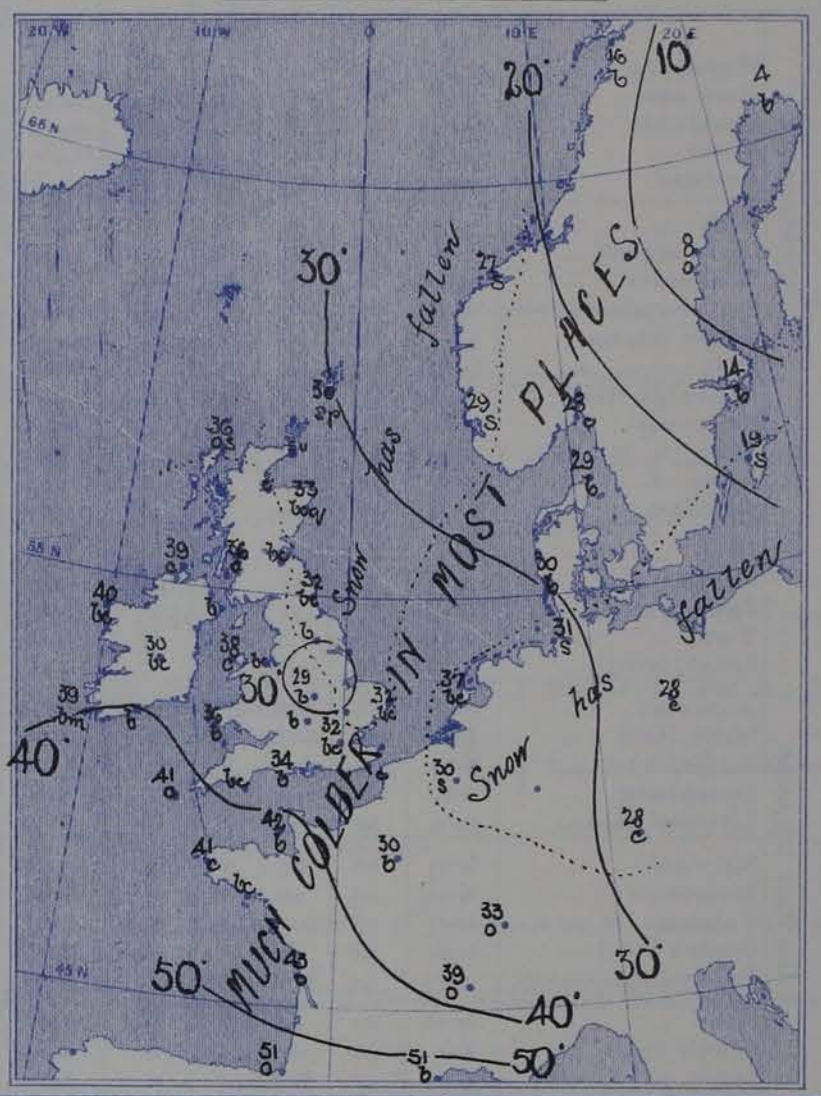


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF MARCH.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 737	38 · 5	37 · 0	42 · 8	34 · 0	57	1893	18	1879	2 · 75	—	—
Stornoway	29 · 772	39 · 2	38 · 2	44 · 9	34 · 2	58	1872	13	1881	3 · 70	103 · 3	29
Wick	29 · 781	38 · 9	37 · 2	44 · 9	33 · 8	62	1894	15	1891	1 · 99	—	—
Nairn	29 · 802	37 · 9	36 · 2	45 · 9	33 · 4	65	1884	6	1892	1 . 68	—	—
Aberdeen	29 · 821	38 · 6	36 · 5	45 · 7	34 · 3	66	1889, 91, 92	10	1889	2 · 23	124 · 0	34
Leith	29 · 849	39 · 3	37 · 6	48 · 0	34 · 4	68	1884	19	1879, 81, 89	1 · 41	—	—
Shields	29 · 873	39 · 3	37 · 7	46 · 2	34 · 8	64	1884, 93	15	1889	1 · 74	—	—
Spurn Head	29 · 891	39 · 7	38 · 3	44 · 8	36 · 4	62*	1890, 93	24*	1886	1 · 19	—	—
York	29 · 904	38 · 5	36 · 9	48 · 4	33 · 8	68	1884, 92, 93	8	1883	1 · 66	109 · 1	30
Loughborough	29 · 931	38 · 6	36 · 9	49 · 8	33 · 8	69*	1884, 93	15*	1883	1 · 54	—	—
Ardrossan	29 · 861	40 · 1	38 · 6	46 · 4	36 · 1	63	1884	18	1891	2 · 30	—	—
Malin Head	29 · 842	41 · 0	39 · 3	46 · 5	38 · 5	—	—	—	—	—	—	—
Belmullet	29 · 882	43 · 2	41 · 4	48 · 4	39 · 3	—	—	—	—	3 · 80	—	—
Donaghadee	29 · 883	40 · 7	39 · 5	47 · 3	37 · 1	65	1874	25	1892	1 · 97	—	—
Holyhead	29 · 906	42 · 0	40 · 5	47 · 4	38 · 8	67	1894	27	1881	2 · 20	—	—
Liverpool	29 · 911	40 · 2	38 · 1	47 · 2	36 · 7	66	1871	21	1886	1 · 67	—	—
Parsonstown	29 · 925	40 · 1	38 6	49 · 9	34 · 9	66	1894	18	1891	2 · 20	114 7	32
Valencia	29 · 929	44 · 8	42 · 8	51 · 0	40 · 3	64	1871, 94	27	1886, 91, 92	3 · 87	135 · 3	37
Roche's Point	29 · 930	43 · 3	41 · 5	49 · 7	39 · 5	60	1895	27	1890	3 · 38	—	—
Pembroke	29 · 930	42 · 1	40 · 4	46 · 6	39 · 0	58	1872	26	1888	2 · 26	139 · 9	38
Scilly	29 · 946	46 · 0	44 · 1	49 · 5	42 · 3	59	1893	30	1883, 90, 91	2 · 28	—	—
Prawle Point	29 · 960	42 · 7	41 · 2	48 · 2	37 · 7	62*	1893, 95	23*	1883, 88, 90	1 · 88	—	—
Jersey	29 · 965	44 · 0	41 · 9	49 · 7	39 · 8	66	1871, 93, 94	21	1890	2 · 24	160 · 2	44
Hurst Castle	29 · 955	41 · 0	39 · 9	47 · 9	37 · 1	62	1877	21	1887	1 · 78	—	—
Dover	29 · 936	40 · 6	39 · 2	46 · 5	36 · 6	59	1894	13	1890	1 · 74	—	—
LONDON	29 · 949	40 · 0	38 · 1	50 · 1	35 · 2	71	1871	15	1890	1 · 43	72 · 3†	20†
Oxford	29 · 951	38 · 7	37 · 2	49 · 3	34 · 5	67	1884, 93	15	1891	1 · 50	119 · 7	33
Cambridge	29 · 941	38 · 8	37 · 4	50 · 6	32 · 9	70	1893, 94	14	1889, 90	1 · 34	127 · 4	35
Yarmouth	29 · 916	40 · 1	38 · 5	45 · 2	35 · 3	62	1884, 89	18	1892	1 · 73	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 ins: and more to 30·2 ins: in an anticyclone the Eastern portion of which lay over the west of our Islands.
Lowest, 29·3 ins: and less to 29·5 ins: in a new depression appearing over the north of Ireland and moving southwards.
Gradient moderate over our Islands
Barometer falling over the north of Sweden and the North Sea.

TEMPERATURE

Highest, 51° at Perpignan and Biarritz, 41° at Brest and Scilly, 40° at Belmullet, 38° at Holyhead.
Lowest (1) 4° at Haparanda, 8° at Hernösand, 14° at Stockholm, 19° at Karlstad and Wick; (2) 30° at Lerwick, Leith, Spurn Hd. and Cambridge, 29° at Lerwick, 30° at Valentia, and Paris.
The maxima recorded during yesterday were as high as 50° to 53° at a few of our western and southwestern stations, but did not exceed 44° to 46° over England, and at 8 a.m. it had fallen generally since yesterday.

WIND

N³ and NW³ over our northern and northeastern districts, blowing strongly at our northern stations, NE³ in the southwest of our Islands and S³ at Biarritz.
It has blown very hard over the greater part of the Baltic during the past day.

WEATHER

Fine at our western and southern stations, but squalls with snow and sleet are reported in the north and east, and a very cold air generally. Over the north of France the sky is clear.
Bright Sunshine recorded yesterday ranged from 7·6 hours at Aberdeen to 0·3 hr at Parsonstown: in London there was none.

SEA

Rough at our northern and northeastern stations, moderate in the east, slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 20th MARCH 1899.

DISTRICTS.		FORECASTS.	DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NONE ISSUED.	6	SCOTLAND WEST	NONE ISSUED.
1	SCOTLAND EAST		7	ENGLAND N.W.	
2	ENGLAND N.E.		8	ENGLAND S.W.	
3	ENGLAND EAST		9	IRELAND NORTH	
4	MIDLAND COUNTIES		10	IRELAND SOUTH	
5	ENGLAND SOUTH			WARNINGS	The North Cone is still flying in parts of districts 0 and 1.

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.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes	29·99	37	35	N	8	bc	3
Sumburgh Head	30·24	34	32	NW	5	c	6
Stornoway	30·44	41	37	NE	4	c	4
Aberdeen	30·32	39	34	NNW	6	bcgsp	4
Shields	30·29	47	44	NNE	4	bc	4
Ardrossan	30·33	44	38	NNE	4	bc	2
Malin Head ...	30·36	43	40	ENE	4	b	3
Belmullet	30·33	43	40	E	5	o	*
Holyhead	30·26	43	39	ENE	4	b	3
Valencia	30·14	51	47	E	4	bcm	4
Scilly	30·06	49	46	N	3	m	0
Jersey	30·04	49	48	NNE	3	m	3
Hurst Castle ...	30·11	46	44	NE	4	ogm	3
Dungeness ...	30·07	45	42	NE	4	c	3
North Foreland							
London (Westminster)	30·15	44	39	NE	4	o	#
Yarmouth ...	30·12	44	40	NNE	2	b	4
Rochefort ...	29·96	62	55	N	3	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning cloudy over the greater part of our Islands, changeable, cloudy to clear over our Islands and showery (sleet) in the north and northeast, unsettled and squally over northern Europe with cold showers in places; fine and quiet over the southern countries. Some showers of snow and graupel over the northern and eastern districts later, but remaining fair elsewhere.

Temperature giving way irregularly over the northwestern countries generally. Morning readings highest 63° at Rome, 57° at Algiers, 52° at La Calle and Biarritz, 46° at Scilly, 42° to 45° in the west of Ireland. Lowest (1) −12° F. at Archangel, +4° at Haparanda, 14° at Thorshavn, 21° at Helsingfors, and 34° to 41° in the south of Russia; (2) 36° to 37° in the northeast of Scotland, 40° to 43° in the east and south of England; (3) 32° at Paris and Wiesbaden. Rising later to between 44° and 47° in the northeast and east of England, to 52° at Scilly and Jersey, to 59° at Brest, and 72° at Perpignan. Succeeding night cold.

Wind (1) N³, strong in Scotland, moderate to fresh on the east coast of England, slight in the west and south; (2) N¹ to NW³, fresh to a strong gale over Scandinavia, NE³ at Thorshavn; but NW¹ to W³ over North Germany; (3) Very light and variable over the southern parts of Europe.

Barometer highest 30·45 ins. at Stornoway, and exceeding 30·1 ins. almost all over our Islands; 30·02 ins. at Biarritz. Lowest 28·8 ins. and less in a deep depression over the Gulf of Finland; 29·95 ins in the south of Russia. Rising later over Scandinavia and the east of England, falling over southern Europe.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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

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DAILY WEATHER REPORT

for 8 a.m. on Monday, 20th March, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING (See note at bottom of last page.)					THIS MORNING. (See note at bottom of 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 Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	29.50	11	N	6	b	29.62	+.32	2	1	- 2	N	4	bc	*	b	*	18	0	-
	Hernösand ...	29.54	14	NW	2	0	29.70	+.15	10	9	+ 2	NW	4	b	*	0	*	21	3	-
	Stockholm ...	29.50	16	NNE	4	0	29.60	-.02	10	10	- 4	NE	4	bc	*	0	*	27	10	-
	Wisby	29.42	27	WNW	8	s	29.44	-.20	19	18	0	E	8	s	*	s	*	28	16	0.47
	Karlstad ...	29.49	23	N	4	c	29.66	-.02	13	11	- 6	NNE	4	b	*	c.s	*	*	*	-
	Bodö	29.74	12	E	2	b	29.78	+.08	12	9	- 4	E	4	b	1	b	*	21	7	-
	Christiansund ...	29.72	23	ENE	5	bc	29.78	+.11	18	17	- 9	ESE	2	b	4	bc	*	27	18	-
	Skudesnaes ...	29.61	29	NNW	4	c	29.75	-.07	22	19	- 7	NE	4	b	2	c	*	36	21	*
	Færder (Christiania Fjord)	29.49	29	NNE	5	c	29.67	-.03	17	14	- 11	NNE	6	bc	3	c	*	34	16	-
	Skagen (The Scaw)	29.46	31	N	1	0	29.56	-.21	21	21	- 8	NE	6	0	2	0	*	37	21	0.04
	Fanö	29.53	28	E	0	bc	29.46	-.37	26	26	- 4	NE	5	c	*	bc		34	26	0.04
British Islands.	Sumburgh Head	29.87	30	N	4	c	29.83	-.13	28	26	- 2	N	4	sp	6	c	*	33	24	0.06
	Stornoway ...	30.10	35	NE	6	sq	30.00	-.22	30	29	- 6	NE	5	s	5	hsp	2.3	37	26	0.20
	Wick	29.98	31	N	6	c	29.90	-.14	29	28	- 5	NE	5	su	4	cs	*	35	25	0.20
	Nairn	30.03	32	NW	3	c	29.92	-.22	29	27	- 6	NW	2	c	3	s.c	*	37	27	0.05
	Aberdeen ...	29.93	31	NW	6	c	29.85	-.20	30	29	- 3	NW	5	cqsp	5	sqp	6.8	35	27	0.15
	Leith	29.99	36	N	3	s	29.89	-.27	31	29	- 4	NW	2	bc	*	s	*	44	28	-
	Shields	29.93	35	N	4	c	29.80	-.32	30	30	- 2	NW	3	s	4	sp.c	*	41	26	0.01
	Spurn Head ...	29.83	36	NW	6	c	29.70	-.36	29	29	- 1	WNW	6	sqp	6	sp	*	39	27	0.04
	York	29.92	34	N	2	c	29.79	-.37	30	30	- 1	NNW	4	b	*	c.sp	5.5	41	25	0.01
	Loughborough ...	29.95	37	NW	4	bc	29.83	.35	26	24	- 3	WNW	1	b	*	bc.sp.b	*	41	22	0.01
	Ardrossan ...	30.00	41	NW	5	c	29.93	-.30	35	33	- 1	NNW	3	b	1	c	*	44	29	-
	Malin Head ...	30.09	40	NNW	6	crsp	29.99	-.28	36	35	- 3	NE	5	bchrsq	3	rsq	*	42	34	0.04
	Belmullet ...	30.22	44	N	4	o	30.13	-.23	39	37	- 1	NNE	3	b	*	bc.o	*	45	35	0.04
	Donaghadee ...	?30.06	41	NNE	5	c	?29.95	-.33	36	33	+ 1	NNE	5	bc	5	c	*	43	35	-
	Liverpool (Bidston)	29.97	40	WNW	3	o	29.90	-.32	34	32	- 2	N	2	b	3	bc.s	*	40	29	-
	Holyhead ...	30.03	42	NW	6	crsp	29.91	-.33	37	32	- 1	NE	5	bc	4	crsp	*	42	32	-
	Parsonstown ...	30.16	41	NW	1	o	30.03	-.29	35	34	+ 5	NW	1	bc	*	bc.o	5.7	45	30	-
	Valencia ...	30.18	44	NNE	4	bc	30.05	-.20	46	39	+ 7	NE	1	o	3	bc	10.4	45	37	0.01
	Roche's Point ..	30.13	45	NE	4	bc	30.03	-.24	40	37	0	N	3	c	3	b	*	47	38	-
	Pembroke (St. Ann's Hd.)	30.07	40	NNE	4	o	29.93	-.29	38	33	- 3	NE	3	s	3	b,o	7.7	41	32	0.02
	Scilly	30.06	42	NNE	4	c	29.91	-.23	43	40	+ 2	N	5	crsp	2	b.c	8.7	47	37	-
	Prawle Point ...	30.00	37	NNW	3	bc	29.88	-.29	37	34	+ 5	NNW	2	c	1	bc	*	46	32	-
	Jersey (St Anbin's)	30.00	42	N	3	bc	29.85	-.25	37	36	- 5	NNE	3	ors	3	bcm	*	44	37	0.02
	Hurst Castle ...	29.98	40	N	1	b	29.86	-.29	33	31	- 1	NW	3	cmsp	2	b	*	45	30	0.02
	Dungeness ...	29.92	38	NNW	3	c	29.74	-.25	31	29	- 2	NNW	5	bc	4	c	*	42	26	-
	North Foreland																*			
	London (Brixton) ...	29.93	38	NNW	2	o	29.81	-.34	30	29	- 2	NNW	3	b	*	c.b	5.0	40	28	-
	Oxford	29.93	37	NW	2	b	29.84	-.34	30	29	- 1	NNW	2	b	*	bc.ops	*	41	26	-
	Cambridge ...	29.92	37	NW	2	b	29.78	-.36	28	27	- 2	NW	4	b	*	b.s	7.5	43	24	-
	Yarmouth ...	29.85	35	WNW	5	c	29.67	-.37	33	32	+ 1	WNW	3	s	4	sq.c.s	*	39	28	0.14
Germany & Holland.	Cuxhaven ...	29.64	34	W	2	o	29.43	-.43	30	30	- 1	WNW	2	sp	*	o	*	36	28	0.04
	Berlin	29.67	34	SW	2	c	29.45	-.40	31	29	+ 3	SW	3	s	*	c	*	37	27	0.08
	Wiesbaden ...	*	*	*	*	*	29.61		33	31		NW	1	b	*	*	*	43	30	-
	Munich	29.75	30	W	3	b	29.60	-.31	30	27	+ 2	W	5	c	*	b	*	37	23	-
	The Helder ...	29.67	37	NNW	5	o	29.56	-.37	37	33	0	NNW	3	bc	2	o	*	39	32	0.04
Belgium.	Brussels ...	*	*	*	*	*	29.69	-.35	29	29	- 1	W	2	s	*	s	*	40	26	0.20
	Cape Gris Nez ...	?	38	N	4	o	?	?	30	30	- 7	N	6	be	6	o	*	43	30	-
	Paris	29.90	39	N	3	bc	29.78	-.27	30	28	0	SW	1	m	*	bc	*	47	28	-
	Brest	30.00	41	E	2	o	29.90	-.21	42	40	+ 1	N	1	o	1	o	*	50	32	-
	Lorient	29.94	41	NNE	5	c	29.88	-.12	40	36	+ 1	NNW	2	c	2	c	*	50	36	-
France &	Rochefort ...	29.82	45	NE	5	b	29.85	-.01	34	32	- 9	NNE	4	b	*	b	*	55	30	-
	Belfort	29.78	37	ENE	2	b	29.73	-.18	26	24	- 7	W	1	o	*	b	*	46	20	-
	Lyons	29.80	38	N	1	b	29.79	-.12	31	28	- 6	N	3	b	*	b	*	49	29	-
	Nice	29.49	52	E	0	b	29.44		45	42		E	3	bc	2	b	*	63	43	-
	Perpignan ...	29.64	59	NW	2	o	29.67	-.07	50	44	- 1	NW	3	o	*	o	*	66	47	-
	Biarritz ...	29.73	50	NNW	4	o	29.79	+.01	39	33	- 12	NE	4	b	2	o	*	59	37	-
Peninsula.	Corunna ...																*			
	Lisbon	29.79	56	WNW	5	o	29.82	-.14	53	53	- 2	ESE	1	r	*	o	*	59	52	0.28
	Azores (P. Delgada)	29.67	55	NW	4	bc	29.58	-.24	53	47	- 4	WSW	3	c	3	bc	*	64	50	0.08

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

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

Bright Sunshine yesterday Southport 7.8 hrs;

WEATHER CHARTS

FOR Monday, 20th March, 1899.

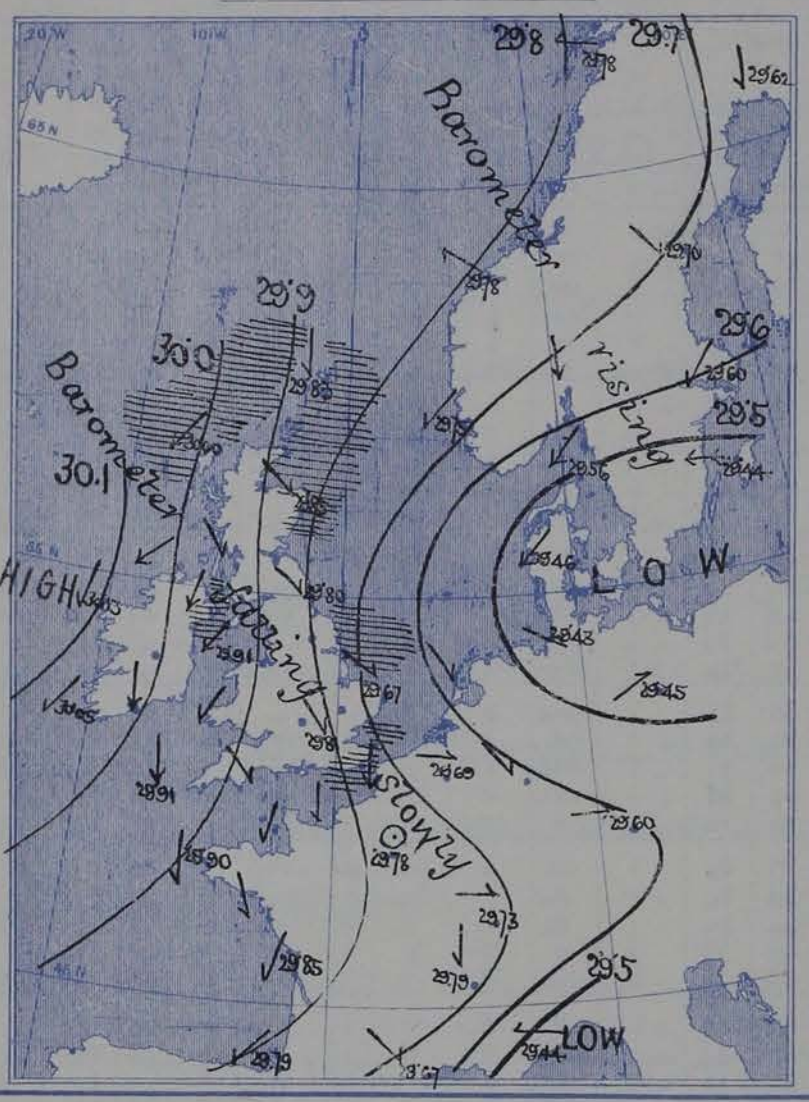
BAROMETER, WIND AND SEA.

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

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

Force above 10 ⟫⟶ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ➤⟶ ; *Force 1 to 4* ⟶ ; Calm ⊙

SEA—*Rough* ▤ ; *High* ▩

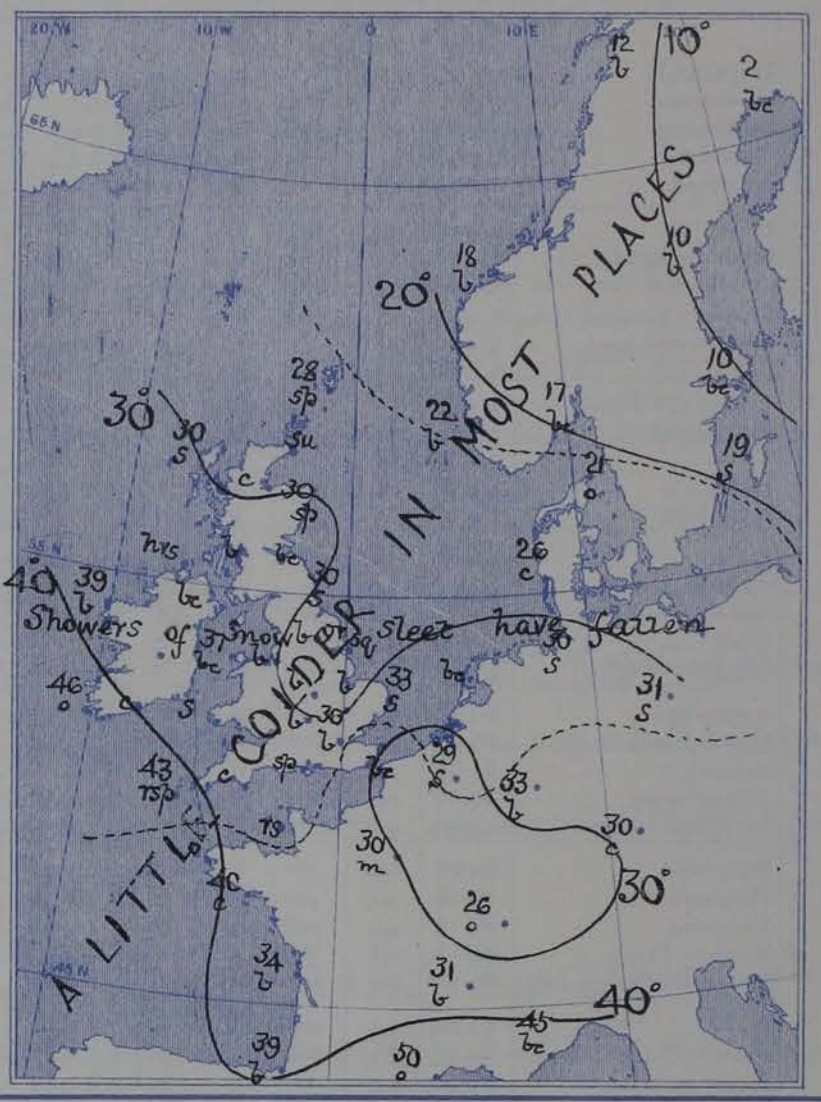


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF MARCH.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 737	38 · 5	37 · 0	42 · 8	34 · 0	57	1893	18	1879	2 · 75	—	—
Stornoway	29 · 772	39 · 2	38 · 2	44 · 9	34 · 2	58	1872	13	1881	3 · 70	103 · 3	29
Wick	29 · 781	38 · 9	37 · 2	44 · 9	33 · 8	62	1894	15	1891	1 · 99	—	—
Nairn	29 · 802	37 · 9	36 · 2	45 · 9	33 · 4	65	1884	6	1892	1 . 68	—	—
Aberdeen	29 · 821	38 · 6	36 · 5	45 · 7	34 · 3	66	1889, 91, 92	10	1889	2 · 23	124 · 0	34
Leith	29 · 849	39 · 3	37 · 6	48 · 0	34 · 4	68	1884	19	1879, 81, 89	1 · 41	—	—
Shields	29 · 873	39 · 3	37 · 7	46 · 2	34 · 8	64	1884, 93	15	1889	1 · 74	—	—
Spurn Head	29 · 891	39 · 7	38 · 3	44 · 8	36 · 4	62*	1890, 93	24*	1886	1 · 19	—	—
York	29 · 904	38 · 5	36 · 9	48 · 4	33 · 8	68	1884, 92, 93	8	1883	1 · 66	109 · 1	30
Loughborough	29 · 931	38 · 6	36 · 9	49 · 8	33 · 8	69*	1884, 93	15*	1883	1 · 54	—	—
Ardrossan	29 · 861	40 · 1	38 · 6	46 · 4	36 · 1	63	1884	18	1891	2 · 30	—	—
Malin Head	29 · 842	41 · 0	39 · 3	46 · 5	38 · 5	—	—	—	—	—	—	—
Belmullet	29 · 882	43 · 2	41 · 4	48 · 4	39 · 3	—	—	—	—	3 · 80	—	—
Donaghadee	29 · 883	40 · 7	39 · 5	47 · 3	37 · 1	65	1874	25	1892	1 · 97	—	—
Holyhead	29 · 906	42 · 0	40 · 5	47 · 4	38 · 8	67	1894	27	1881	2 · 20	—	—
Liverpool	29 · 911	40 · 2	38 · 1	47 · 2	36 · 7	66	1871	21	1886	1 · 67	—	—
Parsonstown	29 · 925	40 · 1	38 · 6	49 · 9	34 · 9	66	1894	18	1891	2 · 20	114 · 7	32
Valencia	29 · 929	44 · 8	42 · 8	51 · 0	40 · 3	64	1871, 94	27	1886, 91, 92	3 · 87	135 · 3	37
Roche's Point	29 · 930	43 · 3	41 · 5	49 · 7	39 · 5	60	1895	27	1890	3 · 38	—	—
Pembroke	29 · 930	42 · 1	40 · 4	46 · 6	39 · 0	58	1872	26	1888	2 · 26	139 · 9	38
Scilly	29 · 946	46 · 0	44 · 1	49 · 5	42 · 3	59	1893	30	1883, 90, 91	2 · 28	—	—
Prawle Point	29 · 960	42 · 7	41 · 2	48 · 2	37 · 7	62*	1893, 95	23*	1883, 88, 90	1 · 88	—	—
Jersey	29 · 965	44 · 0	41 · 9	49 · 7	39 · 8	66	1871, 93, 94	21	1890	2 · 24	160 · 2 .	44
Hurst Castle	29 · 955	41 · 0	39 · 9	47 · 9	37 · 1	62	1877	21	1887	1 · 78	—	—
Dover	29 · 936	40 · 6	39 · 2	46 · 5	36 · 6	59	1894	13	1890	1 · 74	—	—
LONDON	29 · 949	40 · 0	38 · 1	50 · 1	35 · 2	71	1871	15	1890	1 · 43	72 · 3†	20†
Oxford	29 · 951	38 · 7	37 · 2	49 · 3	34 · 5	67	1884, 93	15	1891	1 · 50	119 · 7	33
Cambridge	29 · 941	38 · 8	37 · 4	50 · 6	32 · 9	70	1893, 94	14	1889, 90	1 · 34	127 · 4	35
Yarmouth	29 · 916	40 · 1	38 · 5	45 · 2	35 · 3	62	1884, 89	18	1892	1 · 73	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 29·9 in: to 30·1 ins: over our southern districts generally and still higher over the Atlantic.
Lowest, 29·5 ins: and less, over the Baltic and North Germany.
Gradients moderate.
Barometer still falling except in the northwest of Norway.

TEMPERATURE

Highest, 50° at Perpignan, 46° at Valencia (Ireland), 43° at the Scilly Islands.
Lowest, (1) 2° F. at Haparanda, 10° at Stockholm, 13° at Karlstad; (2) 26° at Belfort, 30° at Munich and Paris, 31° at Berlin; (3) 26° at Loughborough, 28° at Cambridge, 30° at York, Oxford, and in London; 29° at Nairn, 35° at Falmouth.
It fell to 22° in the shade, and to 14° on the grass in Loughborough very early this morning.

WIND

N³ (NW to NE) over the United Kingdom, and blows strongly on our northeastern coasts. In the Irish Sea it is fresh, but over Ireland and the south of England it is moderate.
A fresh gale from E. is reported at Wicks and a moderate breeze from SW. at Berlin.

WEATHER

Fine over the greater part of our Islands, but sharp showers of snow and graupel are reported at our northern and eastern stations, and slight falls on some of our southern and western coasts. Yarmouth reports "deep snow".
Bright Sunshine yesterday varied greatly in amount in many parts of the Kingdom. At Valencia it exceeded 10 hours. At Westminster there were 5 hours registered.

SEA

Rough in the northwest, north, and east, and also on the north coast of France.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

No great change of weather is indicated beyond increased cold, and some local snow showers in many places.

FORECASTS

For the 24 hours ending at NOON on 21st MARCH 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW 2/3 to NE 2/3 winds, strong; squalls of wind and snow.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	
4	MIDLAND COUNTIES	NW 3 to N 2/3 winds, fresh; cold, some cold showers.
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos 3 to 5.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	N 2/3 winds, moderate to fresh; fair as a whole, cold.
10	IRELAND SOUTH	
	WARNINGS	NONE ISSUED AT PRESENT.

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.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...							
Sumburgh Head							
Stornoway	30·16	37	34	NNE	6	cps	6
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	30·17	41	40	NNW	4	bc	3
Belmullet ...	30·28	45	40	NNE	4	bc	*
Holyhead ...							
Valencia							
Scilly							
Jersey	30·05	44	39	NE	4	bc	3
Hurst Castle ...							
Dungeness ...	29·97	40	35	N	3	c	3
North Foreland							
London (Westminster)							*
Yarmouth ...							
Rochefort ...	29.85	50	46	ENE	5	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 12TH TO THE 18TH MARCH 1899.

During the whole of this week quiet anticyclonic conditions have prevailed over our Islands. At first the central area of the system covered nearly the whole of Ireland, England, the Channel, the north of France and north Germany, and in it barometric readings ranged from 30·6 ins. to 30·5 ins. Frost prevailed at night at the inland stations, but the daily maxima exceeded, considerably, 50° in this country and touched 66° over the southern part of France.

By the middle of the week the central area covered still more over of our Islands, but there was no reading above 30·5 ins., and day temperatures of 60° or more occurred in several places, although the early mornings were still sharp and frosty. On Wednesday the maximum temperatures were as high as 70° at Brest, 65° in the west of Ireland, and 60° in London, but in the course of Thursday the sky remained overcast in the southeast of England and in London the temperatures did not rise above 45°.

At the close of the week the anticyclone had shifted to our extreme northwest coasts, a depression had advanced over the Baltic from the northwestward and northward, and, with a fresh squally breeze from the N.and., some cold showers were felt temporarily at our northern and Eastern stations, and more abundantly at stations lying to the eastward of the North Sea.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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

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DAILY WEATHER REPORT

for 8 a.m. on Tuesday 21st March. 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	29.76	0	N	2	bc	29.92	+ .30	1	1	— 1	N	2	b	*	bc	*	25	-4	—
	Hernösand ...	29.77	3	2	0	b	29.82	+ .12	1	0	— 9	NE	2	bc	*	b	*	23	-15	—
	Stockholm ...	29.62	14	NNE	6	o	29.55	— .05	12	9	+ 2	NNE	8	o	*	o	*	19	7	—
	Wisby	29.43	19	NNE	10	s	29.48	+ .04	14	19	0	N	8	s	*	s	*	19	16	0.32
	Karlstad ..	29.72	14	NNE	2	b	29.75	+ .09	9	8	— 4	N	2	b	*	b	*	*	*	—
	Bodö	29.89	11	E	2	b	30.01	+ .23	10	9	— 2	E	4	b	1	b	*	19	7	—
	Christiansund ...	29.68	22	ESE	4	o	29.71	— .01	20	18	+ 2	ESE	3	b	3	o	*	27	18	—
	Skudesnaes ...	29.71	28	NE	2	b	29.69	— .06	29	22	+ 7	SSE	6	o	4	s.b	*	32	21	*
	Færder (Christiania Fjord)	29.71	22	NNE	6	b	29.75	+ .08	17	14	0	NNE	4	b	2	b	*	23	16	—
	Skagen (The Scaw)	29.68	22	E	4	c	29.73	+ .17	21	20	0	ENE	2	c	0	c	*	25	19	—
	Fanö	29.70	21	NE	1	b	29.73	+ .27	20	20	— 6	Z	0	b	*	b	*	30	19	—
British Isles.	Sumburgh Head	29.80	26	N	1	csp	29.68	— .15	28	28	0	N	4	s	5	csp	*	31	24	0.27
	Stornoway ...	29.96	33	NE	5	c	29.85	— .15	29	28	— 1	NE	6	s	6	o.c	6.3	35	25	0.25
	Wick	29.86	29	NE	5	c	29.71	— .19	31	30	+ 2	NE	3	bc	3	c	*	34	25	0.25
	Nairn	29.90	32	N	3	s	29.77	— .15	29	27	0	N	3	o	3	s	*	35	24	0.07
	Aberdeen ...	29.86	28	WNW	3	c	29.69	— .16	29	28	— 1	NW	2	cgsp	3	cgsp.c	3.0	34	26	0.53
	Leith	29.87	33	NNE	3	bc	29.74	— .15	32	31	+ 1	W	3	b	*	bc	*	39	25	—
	Shields	29.86	31	NW	2	s	29.72	— .08	24	24	— 6	W	3	bc	4	s	*	32	21	0.30
	Spurn Head ...	29.81	29	NNW	4	s	29.73	+ .03	27	27	— 2	WSW	3	b	5	spq	*	32	25	0.09
	York	29.83	32	NE	1	csp	29.75	— .04	26	26	— 4	NW	1	b	*	sp.c	5.6	38	21	0.03
	Loughborough ...	29.84	31	NW	1	bc	29.80	— .03	24	23	— 2	ESE	1	cw	*	bo.c.smv	*	39	18	0.01
	Ardrossan ...	29.89	40	NW	4	bc	29.77	— .16	35	33	0	NW	1	b	1	bc	*	42	28	—
	Malin Head ...	29.96	36	N	4	bcshp	29.84	— .15	35	33	— 1	N	4	csp	3	b.bcshp	*	38	32	0.03
	Belmullet ...	30.04	38	NNE	5	r	29.95	— .18	38	36	— 1	NNW	4	bchp	*	c.r	*	42	33	0.13
	Donaghadee ...	29.91	39	N	4	c	29.80	— .15	33	31	— 3	NNW	4	c	4	c	*	41	32	—
	Liverpool (Bidston)	29.88	33	NW	3	b	29.76	— .14	31	30	— 3	ESE	1	b	?	b. s	*	39	28	0.05
	Holyhead ...	29.91	38	N	4	bc	29.79	— .12	37	34	0	NNW	6	csp	4	bc	*	38	31	—
	Parsonstown ...	29.99	38	NW	1	c	29.92	— .11	32	32	— 3	NW	1	o	*	c	4.1	42	23	—
	Valencia ...	30.02	43	NNE	3	c	29.97	— .08	33	31	— 13	ENE	1	b	3	cr. c	5.3	46	30	0.01
	Roche's Point ..	29.98	42	NNE	4	bc	29.96	— .07	36	33	— 4	NNW	3	b	3	bc	*	45	32	—
	Pembroke (St. Ann's Hd.)	29.92	35	NE	2	b	29.84	— .09	36	34	+ 3	NNW	4	bc	3	b	3.0	38	30	0.04
	Scilly	29.91	41	NNE	5	chp	29.86	— .05	41	38	— 2	N	5	cw	2	chp	5.7	46	35	0.01
	Prawle Point ..	29.86	34	N	2	bc	29.86	— .02	34	31	— 3	W	2	c	1	bc	*	47	31	—
	Jersey (St. Anbin's)	29.83	38	NNW	4	cps	29.87	+ .02	39	34	+ 2	WNW	2	bc	2	c. csp	*	45	32	0.01
	Hurst Castle ...	29.81	37	N	3	cps	29.85	— .01	30	28	— 3	NNE	1	cw	0	c. csp	*	43	24	—
	Dungeness ...	29.73	32	N	5	s	29.83	+ .09	27	27	— 4	NNW	2	bc	1	csq	*	40	20	0.01
	North Foreland																*			
	London (Brixton) ...	29.79	33	NE	2	bc	29.84	+ .03	28	27	— 2	S	2	b	*	c. ps. b	4.8	41	22	—
	Oxford	29.86	30	N	1	b	29.83	— .01	26	25	— 4	N	1	o	*	sp. b	*	40	22	—
	Cambridge ...	29.80	32	NNW	2	b	29.89	+ .05	25	25	— 3	SW	1	b	*	s. b	7.4	41	16	—
	Yarmouth ...	29.73	34	N	4	c	29.78	+ .11	26	25	— 7	WSW	3	b	3	s. bcq. cr	*	35	21	0.28
Germany & Holland.	Cuxhaven ...	29.56	28	N	5	b	29.71	+ .28	25	22	— 5	N	3	b	*	sp. b	*	30	21	—
	Berlin	29.44	32	SW	5	c	29.57	+ .12	23	22	— 8	NW	5	s	*	c	*	37	19	0.12
	Wiesbaden ...	*	*	*	*	*	29.78	+ .17	25	24	— 8	N	1	b	*	*	*	41	23	—
	Munich	29.61	29	W	7	o	29.64	+ .04	23	22	— 7	NW	6	o	*	o	*	36	23	0.04
	The Helder ...	29.66	30	NNE	4	s	29.76	+ .20	25	24	— 12	SSE	1	b	0	S	*	39	18	0.12
Belgium.	Brussels ...	*	*	*	*	*	29.86	+ .17	23	23	— 6	WSW	1	f	*	b	*	35	18	0.04
	Cape Gris Nez ...	?	32	E	5	s	?	?	35	31	+ 5	NE	2	c	3	s	*	39	27	—
	Paris	29.73	35	NW	3	bc	29.82	+ .04	23	23	— 7	NW	1	w	*	bc	*	39	18	—
	Brest	29.86	41	N	3	c	29.93	+ .03	36	33	— 6	N	1	b	1	c	*	46	32	—
	Lorient	29.82	42	N	4	bc	29.88	.00	36	32	— 4	NNE	3	b	3	bc	*	50	32	0.08
France &	Rochefort ...	29.71	43	N	4	o	29.86	+ .01	32	30	— 2	NE	3	b	*	o	*	50	30	—
	Belfort	29.64	33	W	3	m	29.85	+ .12	21	18	— 5	Z	0	bc	*	m	*	40	21	0.46
	Lyons ...	29.76	36	NW	1	c	29.85	+ .06	28	28	— 3	N	2	chsp	*	c	*	43	28	—
	Nice	29.38	48	S	1	b	29.41	— .03	44	33	— 1	NW	5	b	5	b	*	59	37	—
	Perpignan ...	29.64	50	NW	4	c	29.81	+ .14	43	36	— 7	N	2	b	*	c	*	57	39	—
	Biarritz ...	29.86	45	NNW	3	o	29.80	+ .01	43	38	+ 9	Z	0	o	2	o	*	48	39	—
Penin-sula.	Corunna ...																*			
	Lisbon	29.82	58	SSW	4	o	29.75	— .07	58	56	+ 5	S	4	o	*	o	*	61	53	0.24
	Azores (P. Delgada)	29.43	67	NE	4	r	29.64	— .24	53	49	0	N	5	c	3	r	*	59	46	1.06

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page*

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

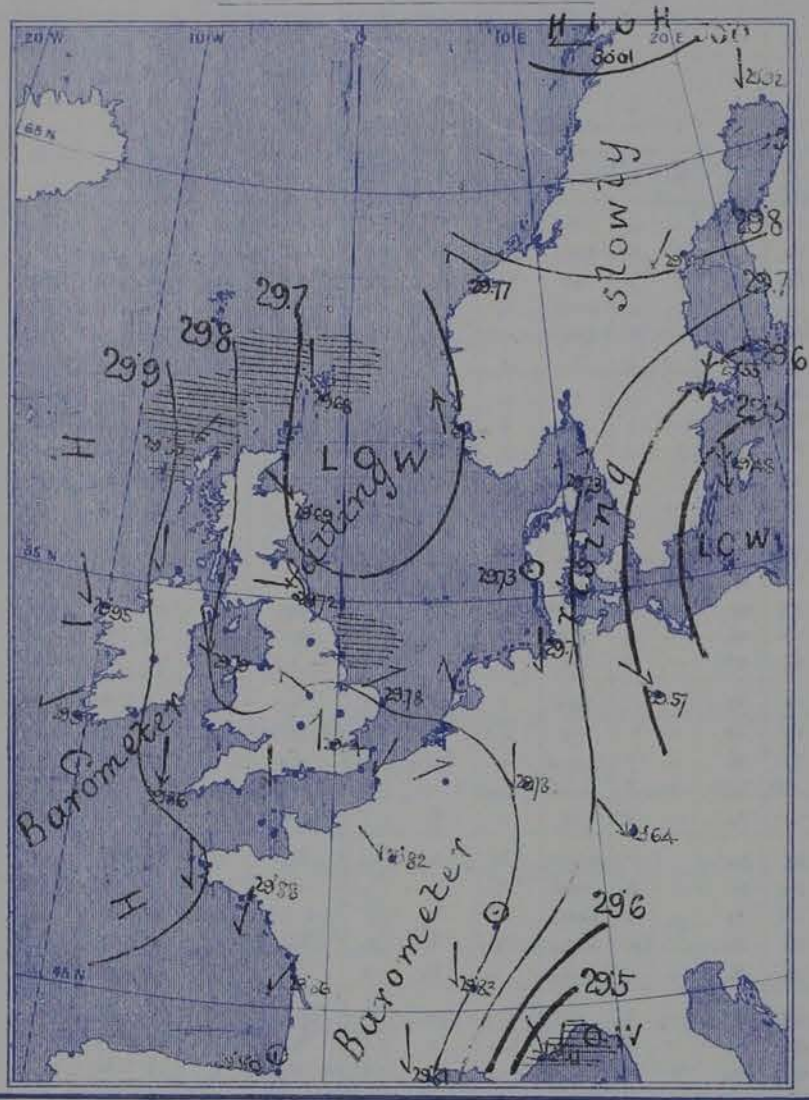
Bright Sunshine yesterday Southport 8.5 hrs;

WEATHER CHARTS

FOR Tuesday, 21st March, 1899.

BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ⟫⟶ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ⟫⟶ ; *Force 1 to 4* ⟶ ; *Calm* ⊙
SEA—Rough ▤ ; *High* ▩


HIGH
LOW
LOW
LOW
Barometer
Barometer
Blowing
Blowing
Snowy
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H
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L
L

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.0 ins. and upwards in the N. of Scandinavia; 29.9 ins. & upwards in Ireland
Lowest 29.5 ins. and less over the Baltic and also in a depression over the Gulf of Genoa, 29.7 ins. and less in a shallow area lying between the coasts of Scotland and Norway.
Gradients slight generally, but rather steep over the southeast of France.
Barometer falling a little in our Islands, but rising at most of the Continental stations.

TEMPERATURE

Highest (1) 58° at Lisbon, (2) 44° at Nice, and 43° at Biarritz and Perpignan; (3) 41° at Sally, & 39° at Jersey
Lowest 1° at Haparanda and Hernösand, 9° at Karlstad, and 10° at Bodø; lowest in our Islands, 24° at Shields and Loughborough.
Sharp frost occurred last night in nearly all parts of the United Kingdom, the lowest temperatures reported being; - (1) In the screen 16° at Cambridge, 18° at Loughborough, and 20° at Dungeness; (2) on the grass 13° at Loughborough and Oxford, and 15° in London.

WIND

N. ¼ W. on our own western and extreme northern coasts, and strong in force in some exposed places; light from the W.ward or SW.ward on our east coasts; variable in the SE. of England & the N. of France. SE. ¼ E. or E. ¼ S. in the west of Norway; N. ¼ W. in Sweden, with a gale in the south; NW. ¼ W. in Germany; N. ¼ W. or NW. ¼ W. over the greater part of France.

WEATHER

Fair or fine over W.rn Europe as a whole, but snow showers reported at several of our own N.rn stations. Snow was falling also at Wisby and Berlin, and graupel at Lyons. Snow showers fell yest.-day in most parts of our area. At some of our E.rn stations they were heavy, but in many other places, the amount was too slight for measurement.

SEA

Moderate or slight generally, but rough off the N. of Scotland, and rather rough at Spurn Hd., as well as at Nice.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

In addition to the large shallow depression in the N. there are indications of the presence of small secondary systems over England. The disturbances seem likely to move S.wds, and snow is probable in many parts of the United Kingdom.

FORECASTS

For the 24 hours ending at NOON on 22ND MARCH 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	N. ¼ to NE. ¼ winds, freshening considerably, squally, some snow showers.
1	SCOTLAND EAST	
2	ENGLAND N.E.	W. ¼ to N. ¼ winds, light or moderate, unsettled, some snow.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	SW. ¼ to NW. ¼ winds, light, unsettled, some snow.
5	ENGLAND SOUTH	
6	SCOTLAND WEST	N. ¼ winds, strong in places, squally, some snow showers.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	None issued.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.80	31	24	NNE	4	s	2
Sumburgh Head	29.84	29	29	NNE	1	osp	6
Stornoway	29.98	35	33	NE	5	o	5
Aberdeen	29.88	33	30	NW	4	cspq	4
Shields	29.84	31	31	N	2	sp	4
Ardrossan	29.90	41	37	NW	5	bc	2
Malin Head ...	29.98	38	36	NNE	4	b	1
Belmullet	30.07	41	39	NNE	4	c	*
Holyhead	29.91	38	35	N	4	bc	4
Valencia	30.03	45	40	N	3	w	3
Scilly	29.90	43	39	N	5	chp	2
Jersey	29.84	41	36	NNW	3	c	3
Hurst Castle ...	29.80	41	36	NNE	4	c	2
Dungeness ...	29.72	39	34	NNW	5	osq	4
North Foreland							
London (Westminster)	29.75	38	34	N	5	cq	*
Yarmouth ...	29.68	35	33	NNE	4	bcq	4
Rochefort ...	29.84	48	45	N	2	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Continental Information not received.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France ; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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 „

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 22nd March, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of 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 Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	30·01	-3	SW	C	b	30·09	+·17	-1	-2	-2	N	2	b	*	b	*	?	-8	-
	Hernösand ...	29·80	11	N	4	o	29·80	-·02	9	8	+8	N	6	o	*	o	*	16	-6	-
	Stockholm ...	29·58	13	NNE	6	o	29·45	-·10	12	11	0	NW	6	S	*	o	*	16	7	0·04
	Wisby	29·56	19	N	6	S	29·52	+·04	17	16	-2	NNW	6	S	*	S	*	19	16	0·04
	Karlstad ...	29·78	14	NNE	4	b	29·72	-·03	9	7	0	NW	4	b	*	b	*	*	*	-
	Bodö	30·09	14	E	2	b	30·12	+·11	9	7	-1	ENE	4	b	2	b	*	18	7	-
	Christiansund ...	29·88	17	E	6	b	29·98	+·21	14	12	-6	E	4	b	4	b	*	20	12	-
	Skudesnaes ...	29·67	28	E	4	c	29·73	+·04	23	20	-6	E	4	o	3	o, c	*	30	23	*
	Færder (Christiania Fjord)	29·75	22	NE	4	b	29·79	+·04	15	13	-2	N	6	bc	3	b	*	22	14	-
	Skagen (The Scaw)	29·75	23	SE	2	o	29·75	+·02	18	18	-3	NE	4	be	1	o	*	27	18	-
	Fanö	29·64	23	SSE	6	S	29·58	-·15	21	21	+1	E	6	c	*	S	*	28	19	-
	Sumburgh Head	29·73	24	N	3	osp	29·75	+·07	25	25	-3	NE	5	S	6	osp	*	32	21	0·18
	Stornoway ...	29·83	31	NE	6	o	29·85	·00	32	31	+3	ENE	5	o	5	sp,c.o	5·3	36	25	0·30
	Wick	29·75	31	NE	4	c	29·78	+·07	28	27	-3	NNE	6	cu	4	c	*	37	26	0·15
	Nairn	29·78	30	NW	1	bc	29·79	+·02	31	29	+2	N	3	c	3	sp,bc	*	35	27	0·03
	Aberdeen ...	29·69	28	NW	3	bcsq	29·71	+·02	27	25	-2	NW	4	bcq	4	c,sp,bc	2·1	35	25	0·14
British Islands.	Leith	29·72	33	NNW	3	bc	29·75	+·01	34	32	+2	NNW	3	b	*	bc	*	43	26	-
	Shields	29·65	33	N	3	c	29·60	-·12	28	28	+4	NW	5	sp	5	c.sp,c	*	37	23	0·05
	Spurn Head ...	29·62	30	NW	3	c	29·52	-·21	29	29	+2	NW	6	cqsp	5	cq	*	33	27	0·02
	York	29·66	36	N	2	c	29·62	-·13	30	29	+4	N	4	b	*	c.sp	5·0	38	24	0·02
	Loughborough ...	29·68	27	WNW	1	bc	29·70	-·10	25	23	+1	WNW	2	b	*	c.os,b	*	40	20	0·03
	Ardrossan ...	29·74	37	N	4	b	29·78	+·01	35	33	0	NW	3	b	2	b	*	41	26	-
	Malin Head ...	29·81	36	N	5	cqs	29·81	-·03	35	35	0	N	3	bsp	2	bc.csq	*	37	32	0·02
	Belmullet ...	29·93	36	NNE	3	b	29·90	-·05	36	35	-2	N	2	bsp	*	rsp,b	*	42	30	0·06
	Donaghadee ...	?29·76	37	N	4	bc	?29·78	-·02	35	34	+2	N	4	bc	4	sp,bc	*	40	33	-
	Liverpool (Bidston)	29·71	34	NNW	3	b	29·74	-·02	34	33	+3	NW	3	b	3	b,s	*	37	29	0·03
	Holyhead ...	29·74	35	NNE	4	cpsh	29·77	-·02	36	33	-1	N	4	c	3	q,psh	*	38	30	0·10
	Parsonstown ...	29·85	36	N	1	o	29·89	-·03	25	25	-7	SW	1	b	*	c,s	2·6	42	21	-
	Valencia ...	29·87	42	N	4	bc	29·90	-·07	31	30	-2	ENE	1	b	3	op,bc	7·8	44	27	0·03
	Roche's Point ...	29·82	43	N	4	bc	29·87	-·09	34	32	-2	N	3	b	3	bc	*	45	31	-
	Pembroke (St. Ann's Hd.)	29·75	34	NE	4	c	29·81	-·03	31	31	-5	NE	2	bsq	2	c	5·5	41	30	0·14
	Scilly	29·77	43	NW	5	chp	29·79	-·07	39	36	-2	N	4	chp	1	c.hp	8·1	45	35	0·07
	Prawle Point ...	29·73	35	NW	3	c	29·79	-·07	32	29	-2	NW	2	b	1	sp,c	*	43	25	0·06
	Jersey (St. Aubin's)	29·75	38	WSW	4	c	29·78	-·09	38	33	-1	NW	3	b	3	bc.shp	*	44	33	0·08
	Hurst Castle ...	29·65	33	NW	2	bc	29·75	-·10	30	29	0	NW	3	bm	2	csp,bc	*	41	24	0·02
	Dungeness ...	29·64	36	S	3	c	29·65	-·18	24	23	-3	NW	2	o	2	s,c,s	*	?40	17	-
	North Foreland																*			
	London (Brixton) ...	29·66	32	NW	2	bc	29·69	-·15	27	25	-1	WNW	2	b	*	bc.ops,c	0·3	41	24	0·03
	Oxford	29·70	27	NNW	1	b	29·73	-·10	27	26	+1	W	2	b	*	sp,b	*	38	22	0·01
	Cambridge ...	29·66	28	E	1	S	29·67	-·16	23	22	-2	W	2	b	*	os	0·5	38	18	0·35
	Yarmouth ...	29·65	30	WSW	2	S	29·52	-·26	30	30	+4	W	4	b	4	c.s	*	35	23	0·10
Germany & Holland.	Cuxhaven ...	29·73	27	S	2	o	29·52	-·19	28	26	+3	SW	5	c	*	o	*	28	25	-
	Berlin	29·78	22	WNW	2	b	29·76	+·19	22	21	-1	SSW	3	c	*	b	*	25	19	-
	Wiesbaden ...	*	*	*	*	*	29·74	-·04	23	22	-2	SE	2	bc	*	*	*	34	19	-
	Munich... ..	29·80	20	W	0	b	29·78	+·14	16	15	-7	SE	4	b	*	b	*	28	9	-
	The Helder ...	2963	32	SW	5	o	29·47	-·29	26	25	+1	S	1	bc	1	o	*	37	25	0·12
France & Belgium.	Brussels ...	*	*	*	*	*	29·54	-·32	28	27	+5	SW	5	o	*	c	*	37	21	0·04
	Cape Gris Nez...	?	34	S	4	S.	?	?	28	28	-7	N	6	s	6	s	*	41	27	-
	Paris	29·81	32	ESE	2	S	29·70	-·12	28	27	+5	SW	1	o	*	s	*	41	23	0·04
	Brest	29·80	42	N	1	c	29·78	-·15	36	34	0	N	1	c	1	c	*	45	32	0·12
	Lorient... ...	29·84	40	NNW	4	c	29·77	-·11	39	39	+3	N	2	c	3	c	*	50	32	-
	Rochefort ...	29·81	42	NW	2	b	29·76	-·10	40	37	+8	NE	2	b	*	b	*	46	30	-
	Belfort	29·84	24	ENE	3	m	29·80	-·05	21	19	0	ENE	2	m	*	m	*	35	16	-
	Lyons														*		*			
	Nice	29·51	45	E	4	b	29·70	+·29	41	35	-3	E	4	bc	2	b	*	55	37	-
	Perpignan ...	29·75	46	N	1	o	29·80	-·01	43	39	0	W	0	o	*	o	*	50	41	-
	Biarritz ...	29·76	46	NNE	4	o	29·75	-·05	36	32	-7	E	3	c	2	o	*	50	34	-
Peninsula.	Corunna ...																*			
	Lisbon	29·64	59	S	4	o	29·54	-·21	57	56	-1	ESE	4	o	*	o	*	59	55	0·24
	Azores (P. Delgada)	2938	52	NW	5	o	29·52	+·18	53	51	o	NNE	6	o	8	o	*	57	50	0·59

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

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

Bright Sunshine yesterday Southport 7·4 hrs;

WEATHER CHARTS

FOR Wednesday, 22nd March, 1899.

BAROMETER, WIND AND SEA.

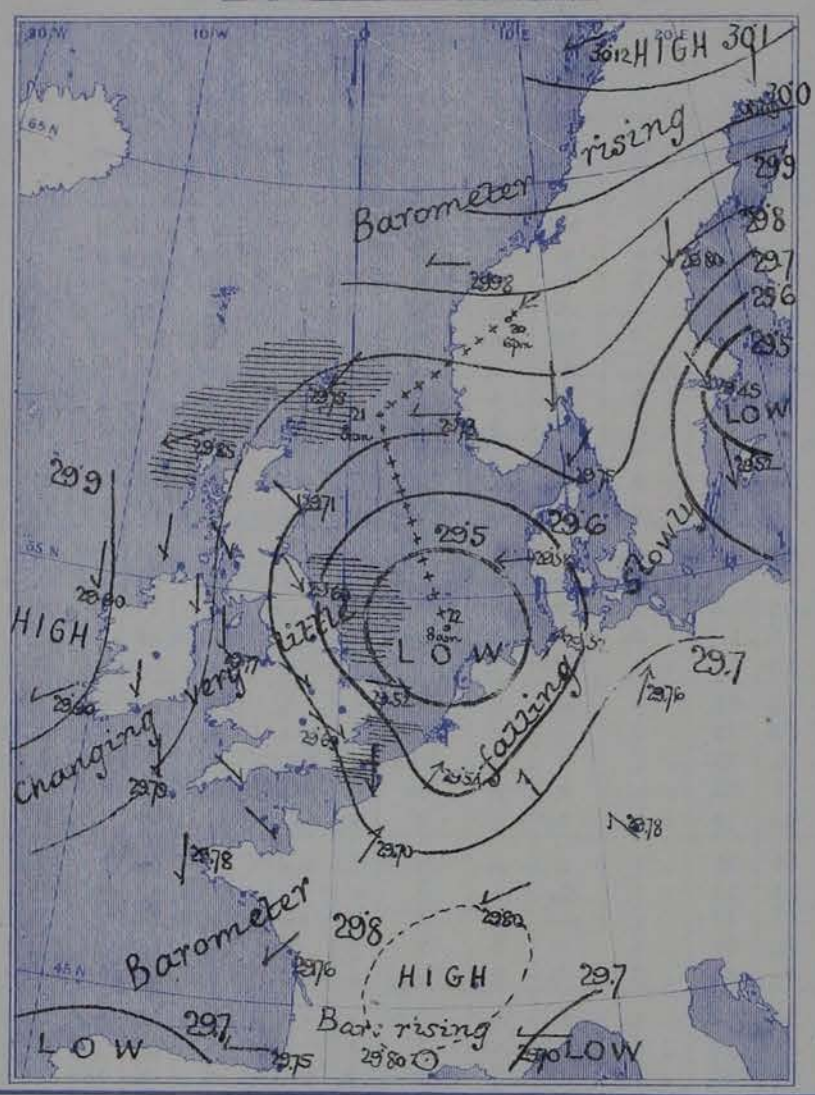
BAROMETER—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟶ ; Force 5 to 7 ⟶ ; } Calm ⊙

Force 8 to 10 ⟶ ; Force 1 to 4 ⟶ ; }

SEA—Rough ▤ ; High ▩

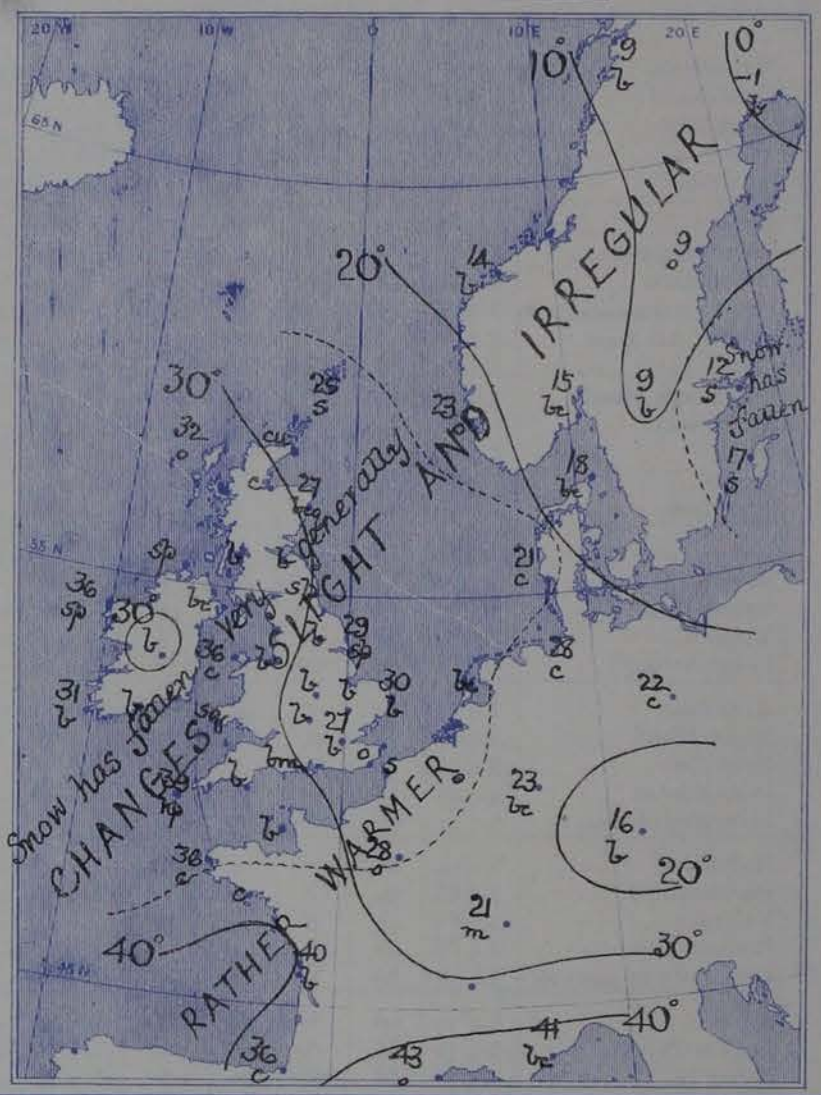


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF MARCH.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·737	38·5	37·0	42·8	34·0	57	1893	18	1879	2·75	—	—
Stornoway	29·772	39·2	38·2	44·9	34·2	58	1872	13	1881	3·70	103·3	29
Wick	29·781	38·9	37·2	44·9	33·8	62	1894	15	1891	1·99	—	—
Nairn	29·802	37·9	36·2	45·9	33·4	65	1884	6	1892	1·68	—	—
Aberdeen	29·821	38·6	36·5	45·7	34·3	66	1889, 91, 92	10	1889	2·23	124·0	34
Leith	29·849	39·3	37·6	48·0	34·4	68	1884	19	1879, 81, 89	1·41	—	—
Shields	29·873	39·3	37·7	46·2	34·8	64	1884, 93	15	1889	1·74	—	—
Spurn Head	29·891	39·7	38·3	44·8	36·4	62*	1890, 93	24*	1886	1·19	—	—
York	29·904	38·5	36·9	48·4	33·8	68	1884, 92, 93	8	1883	1·66	109·1	30
Loughborough	29·931	38·6	36·9	49·8	33·8	69*	1884, 93	15*	1883	1·54	—	—
Ardrossan	29·861	40·1	38·6	46·4	36·1	63	1884	18	1891	2·30	—	—
Malin Head	29·842	41·0	39·3	46·5	38·5	—	—	—	—	—	—	—
Belmullet	29·882	43·2	41·4	48·4	39·3	—	—	—	—	3·80	—	—
Donaghadee	29·883	40·7	39·5	47·3	37·1	65	1874	25	1892	1·97	—	—
Holyhead	29·906	42·0	40·5	47·4	38·8	67	1894	27	1881	2·20	—	—
Liverpool	29·911	40·2	38·1	47·2	36·7	66	1871	21	1886	1·67	—	—
Parsonstown	29·925	40·1	38·6	49·9	34·9	66	1894	18	1891	2·20	114·7	32
Valencia	29·929	44·8	42·8	51·0	40·3	64	1871, 94	27	1886, 91, 92	3·87	135·3	37
Roche's Point	29·930	43·3	41·5	49·7	39·5	60	1895	27	1890	3·38	—	—
Pembroke	29·930	42·1	40·4	46·6	39·0	58	1872	26	1888	2·26	139·9	38
Scilly	29·946	46·0	44·1	49·5	42·3	59	1893	30	1883, 90, 91	2·28	—	—
Prawle Point	29·960	42·7	41·2	48·2	37·7	62*	1893, 95	23*	1883, 88, 90	1·88	—	—
Jersey	29·965	44·0	41·9	49·7	39·8	66	1871, 93, 94	21	1890	2·24	160·2	44
Hurst Castle	29·955	41·0	39·9	47·9	37·1	62	1877	21	1887	1·78	—	—
Dover	29·936	40·6	39·2	46·5	36·6	59	1894	13	1890	1·74	—	—
LONDON	29·949	40·0	38·1	50·1	35·2	71	1871	15	1890	1·43	72·3†	20†
Oxford	29·951	38·7	37·2	49·3	34·5	67	1884, 93	15	1891	1·50	119·7	33
Cambridge	29·941	38·8	37·4	50·6	32·9	70	1893, 94	14	1889, 90	1·34	127·4	35
Yarmouth	29·916	40·1	38·5	45·2	35·3	62	1884, 89	18	1892	1·73	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, (1) 30·1 ins: and upwards in the north of Scandinavia; (2) 29·9 ins: and upwards off the west of Ireland; (3) 29·8 ins: and upwards, over Central France.
Lowest, 29·5 ins: and less, in two depressions – one lying over the southern part of the North Sea and the other over the northern part of the Baltic.
Gradients moderate over the eastern part of Great Britain and also over Sweden, but slight elsewhere.
Barometer almost stationary in our Islands; falling at most of the Continental stations but rising in Norway and also in the extreme south of France.

TEMPERATURE

Highest, 57° at Lisbon, 43° at Perpignan, 41° at Nice, 40° at Rochefort, and 39° at Sicily and Lorient.
Lowest, (1) −1° F. at Haparanda, and +8° at Bodo, Haparanda and Karlstad; (2) 16° at Munich and 21° at Belfort; (3) 23° at Cambridge and 24° at Dungeness.
Sharp frost was again experienced last night over nearly the whole Kingdom, the lowest temperatures reported being:– (1) In the screen 17° at Dungeness, 18° at Cambridge, and 20° at Loughborough; (2) on the grass 13° at Loughborough and 20° in London.

WIND

Light to fresh from the N.W. or N.W.ly over the greater part of our Islands, but strong from N.E. in the north of Scotland.
E. or N.E. in Norway and Denmark: N. or N.W. in Sweden and strong in force in the south.
Light and variable in France: S. (S.E. to S.W.) in Germany.

WEATHER

Fair or fine over Western Europe as a whole, but rather changeable in our Islands, with snow showers at several of our eastern and western stations. Snow is falling also in the Shetlands and in the south of Sweden.
Snow or hail fell yesterday over the whole of the United Kingdom and the neighbouring parts of the Continent;–rather heavily in places.

SEA.

Rough or rather so off the north of Scotland and the northeast of England, as well as at Cape Gris Nez, moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over the North Sea is still inclined to move southwards, and there is a tendency for the development of small secondary systems over our Islands. Cold changeable weather seems likely to continue for a time, with snow showers in many places.

FORECASTS

For the 24 hours ending at NOON on 23rd MARCH 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	N.E. winds, strong; squally, some snow showers.
1	SCOTLAND EAST	N.W. to N. winds, strong in places; squally, some snow showers.
2	ENGLAND N.E.	
3	ENGLAND EAST	
4	MIDLAND COUNTIES	N.W. to N. winds, moderate; changeable, some snow showers.
5	ENGLAND SOUTH	
6	SCOTLAND WEST	N. winds, moderate or fresh; fair generally, but snow showers in places.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29·67	30	28	SSE	4	o	3
Sumburgh Head	29·69	32	31	N	4	o s p	6
Stornoway	29·84	36	33	NE	6	c	6
Aberdeen	29·69	30	29	N	2	c s p	3
Shields	29·66	37	36	NW	3	c	3
Ardrossan	29·74	40	35	NW	3	b	2
Malin Head ...	29·83	36	34	N	4	bc	3
Belmullet	29·94	40	36	NNE	5	c q r s p	*
Holyhead	29·75	37	33	N	6	c q p h s	4

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29·91	42	40	NNW	4	o p	4
Scilly	29·83	44	40	NW	4	c	2
Jersey	29·81	43	36	W	3	b c	3
Hurst Castle ...	29·74	38	35	SSW	3	c s p	2
Dungeness ...	29·75	36	35	S	4	c	3
North Foreland							
London (Westminster)	29·70	34	32	SW	3	o s p	*
Yarmouth ...	29·69	35	33	SW	2	c s p	3
Rochefort ...	29·84	45	40	N	2	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fair or fine over Western Europe as a whole, but snow showers reported at several of our own northern stations. Cloudy or dull in most of the eastern, central and southern countries, with snow over North Germany, the Baltic and the Gulf of Finland, as well as at Kharkoff. Rain falling at Madrid and fine at Athens. Snow or hail showers occurring later over the whole of our Islands and the neighbouring parts of the Continent—heavily in places.

Temperature fallen over the western, northern, and central countries and also in Italy, risen elsewhere. Morning readings highest 63° at Algiers, 61° at Pahas, and 59° at Cyliani; above 50° at most of the Mediterranean and Spanish coast stations. Lowest −19° F. at Archangel, −1° at Kuopio, 0° Zero at Ulesborg, and +1° at Haparanda and Hernösand; below the freezing point over northern and central Europe generally, and also over the major part of Great Britain. Daily maxima below 40° at most of our own northern and eastern stations, thermometer at Spurn Head not exceeding 33°. Sharp frost occurring over nearly the whole of our Islands at night.

Wind N' on our own western and extreme northern coasts, and strong in force in some exposed places; light from the W'd or SW'd on our east coast. SE' or E' in the west of Norway; N' or NE' over Finland, Sweden, Denmark, and North Germany, with a pole at Stockholm, Wisby and Swinemunde. N' or NW' in France, W' or SW' in Italy; S' or SE' over the greater part of the Spanish Peninsula. Subsequently veering to the N'ard in the north of England, no decided change occurring elsewhere.

Barometer highest 300 m/m and upwards in the north of Norway; 299 m/m and upwards over Finland and also over Central Russia. Lowest 294 m/m and less, in a depression over the Baltic and also in two other disturbances lying over the Gulf of Genoa and over the northern part of the Adriatic; 296 m/m and less in an area over Central Spain; 297 m/m and less, in a shallow depression over the northern parts of the North Sea. North Sea depression subsequently moving slowly southwards.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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

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„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 23rd March, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	30·05	1	NE	2	b	30·10	+·01	0	-2	+1	N	2	b	*	b	*	14	-6	-
	Hernösand ...	29·86	18	NE	6	s	29·95	+·15	9	8	0	N	4	bc	*	s	*	14	7	-
	Stockholm ...	29·53	10	E	0	b	29·67	+·22	16	16	+4	NNE	6	s	*	b	*	18	9	0·32
	Wisby	29·56	19	NW	4	0	29·63	+·11	20	18	+3	S	4	0	*	0	*	20	14	-
	Karlstad ..	29·60	14	NE	6	s	29·76	+·04	17	15	+8	NE	4	s	*	s	*	*	*	0·04
	Bodö	30·11	11	E	2	b	30·12	·00	10	6	+1	ENE	5	b	1	b	*	18	5	-
	Christiansund ...	29·95	16	E	3	b	29·94	-·04	15	12	+1	ESE	3	b	3	b	*	18	12	-
	Skudesnaes ...	29·73	23	E	0	c	29·83	+·10	21	18	-2	NE	4	b	2	o,c	*	28	19	*
	Færder (Christiania Fjord)	29·69	21	NNE	6	0	29·77	-·02	21	19	+6	NNE	6	0	3	0	*	21	14	-
	Skagen (The Scaw)	29·66	21	NE	3	0	29·69	-·06	23	23	+5	ENE	5	c	1	0	*	23	18	-
	Fanö	29·63	19	E	2	b	29·70	+·12	19	19	-2	NNE	1	b	*	b	*	27	16	-
	Sumburgh Head	29·81	29	NE	5	sp	29·88	+·13	31	30	+6	NE	3	c	6	sp	*	31	21	0·07
	Stornoway ...	29·91	31	ENE	4	3	29·96	+·11	29	28	-3	NNW	5	c	5	sp.hp	6·7	35	23	0·38
	Wick	29·81	31	NNE	6	c	29·91	+·13	29	28	+1	N	2	c	4	c	*	37	22	0·10
	Nairn	29·81	33	ENE	4	c	29·95	+·16	27	25	-4	W	1	0	2	s.c	*	33	22	0·05
	Aberdeen ...	29·73	29	N	5	cq	29·88	+·17	28	27	+1	NNW	5	0 s q	5	bc q s p	6·3	30	20	0·06
	Leith	29·76	30	NNW	3	b	29·93	+·18	34	33	0	N	3	c	*	b	*	39	26	-
	Shields	29·66	27	NW	4	c	29·81	+·21	29	29	+1	N	3	c	4	sp.c.sq	*	34	25	0·12
	Spurn Head ...	29·57	31	NW	7	b	29·73	+·21	29	29	0	NNW	4	c	5	b.sq	*	33	27	0·07
	York	29·66	31	N	3	b	29·80	+·18	27	27	-3	N	1	b	*	c.s	?	36	24	0·03
	Loughborough ...	29·69	33	NNW	2	bc	29·78	+·08	29	28	+4	NNW	1	s	*	bc.b,s	*	40	23	0·03
British Islands.	Ardrossan ...	29·80	35	NW	4	b	29·96	+·18	35	34	0	N	2	b	1	b	*	40	26	-
	Malin Head ...	29·86	35	N	6	b	29·99	+·18	34	33	-1	N	2	bc	1	b.sq	*	39	28	0·05
	Belmullet ...	29·89	39	NNE	3	b	30·06	+·16	35	32	-1	?	2	b	*	r sp.b	*	40	27	0·04
	Donaghadee ...	?29·79	37	NNE	4	b	?29·95	+·17	35	34	0	NE	5	b	6	b	*	40	33	-
	Liverpool (Bidston)	29·76	33	NNW	3	bc	29·88	+·14	32	31	-2	N	4	b	4	c sp	*	38	25	0·03
	Holyhead ...	29·78	38	N	4	c	29·91	+·14	34	32	-2	N	5	bc	4	c	*	39	31	-
	Parsonstown ...	29·85	34	NE	1	c	30·04	+·15	28	28	-2	N	1	b	*	s.c	?	42	19	-
	Valencia ...	29·86	42	NW	2	c	30·01	+·11	34	28	+3	E	2	b	3	bc.v.c	8·6	44	29	-
	Roche's Point ..	29·83	43	NNW	3	b	30·02	+·15	32	29	-2	NNE	3	b	3	b	*	45	28	-
	Pembroke (St. Ann's Hd.)	29·81	36	NE	2	b	29·92	+·11	32	30	+1	E	3	bcsq	3	b	7·9	38	30	0·08
	Scilly	29·83	41	N	4	c	29·87	+·08	37	35	-2	NNE	5	c s p	1	b.c	9·9	45	33	0·02
	Prawle Point ...	29·78	35	NNW	2	b	29·87	+·08	34	32	+2	NNW	2	b	1	b	*	45	28	-
	Jersey (St. Aubin's)	29·77	41	NW	3	b	29·83	+·05	41	35	+3	NW	3	b	3	c.b	*	44	29	-
	Hurst Castle ...	29·75	36	NNW	3	bc p	29·82	+·07	31	29	+1	NW	3	bm	2	c.b c p	*	44	24	-
	Dungeness ...	29·68	35	NW	4	c s p	29·75	+·10	29	28	+5	WNW	3	b	2		*	40	19	-
	North Foreland																*			
	London (Brixton) ...	29·71	34	N	4	bc	29·77	+·08	27	24	0	NW	2	c	*	bc.b.c	6·2	42	24	-
	Oxford	29·77	30	NW	2	b	29·79	+·06	28	27	+1	NW	2	bc	*	b	*	41	21	-
	Cambridge ...	29·68	31	W	1	b	29·76	+·09	27	27	+4	WNW	1	s	*	b	6·7	38	20	0·01
	Yarmouth ...	29·54	33	NW	6	c q	29·70	+·18	30	29	0	WNW	3	c	5	s q.c q	*	35	23	0·04
Germany & Holland.	Cuxhaven ...	29·46	30	S	3	0	29·64	+·12	26	21	-5	N	5	b	*	0	*	36	21	-
	Berlin	29·57	34	SSW	2	0	29·57	-·19	29	27	+7	SSW	4	b	*	0	*	37	22	-
	Wiesbaden ...	*	*	*	*	*	29·77	+·03	25	24	+2	SW	1	b	*	*	*	36	21	-
	Munich... ..	29·67	31	SW	3	bc	29·77	-·01	28	27	+12	S	2	b	*	bc	*	36	16	0·04
	The Helder ...	29·54	36	WNW	4	c	29·71	+·24	30	28	+4	ENE	3	b	2	c	*	39	25	0·08
Belgium.	Brussels ...	*	*	*	*	*	29·76	+·22	28	27	0	WSW	3	b	*	b	*	36	22	0·04
	Cape Gris Nez...	?	34	N	5	s	°	?	31	29	+3	NNW	5	bc	5	s	*	39	27	-
	Paris	29·76	36	NW	3	bc	29·81	+·11	28	23	-5	SSW	1	b	*	bc	*	43	21	-
	Brest	29·79	41	N	1	c	29·83	+·05	32	30	-4	NE	1	b	0	c	*	45	28	-
	Lorient... ...	29·77	45	WNW	1	c	29·83	+·06	34	33	-5	E	3	b	2	c	*	52	34	-
France &	Rochefort ...	29·73	45	ENE	3	c	29·76	·00	32	28	-8	NE	4	bc	*	c	*	54	30	-
	Belfort	29·73	30	W	2	s	29·82	+·02	20	18	-1	E	0	m	*	s	*	38	15	0·04
	Lyons	29·76	42	N	1	0	29·76		31	28		N	3	0	*	0	*	49	30	-
	Nice	29·74	42	E	1	c	29·58	-·12	40	36	-1	E	1	0	0	c	*	48	37	-
	Perpignan ...	29·72	45	E	0	r	29·61	-·19	39	39	-4	NE	3	r	*	r	*	49	37	0·20
	Biarritz ...	29·65	43	ESE	3	0	29·63	-·12	36	35	0	ESE	3	r	2	0	*	43	36	0·28
Peninsula.	Corunna ...																*			
	Lisbon ...	30·52	56	E	0	bc	29·49	-·05	52	50	-5	NNE	4	bc	*	bc	*	63	50	-
	Azores (P. Delgada)	29·81	54	N	3	c	29·91	+·39	53	49	0	N	2	0		c	*	59	52	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

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

Bright Sunshine yesterday Southport 9.2 hrs;

WEATHER CHARTS

FOR Thursday, 23rd March, 1899.

BAROMETER, WIND AND SEA.

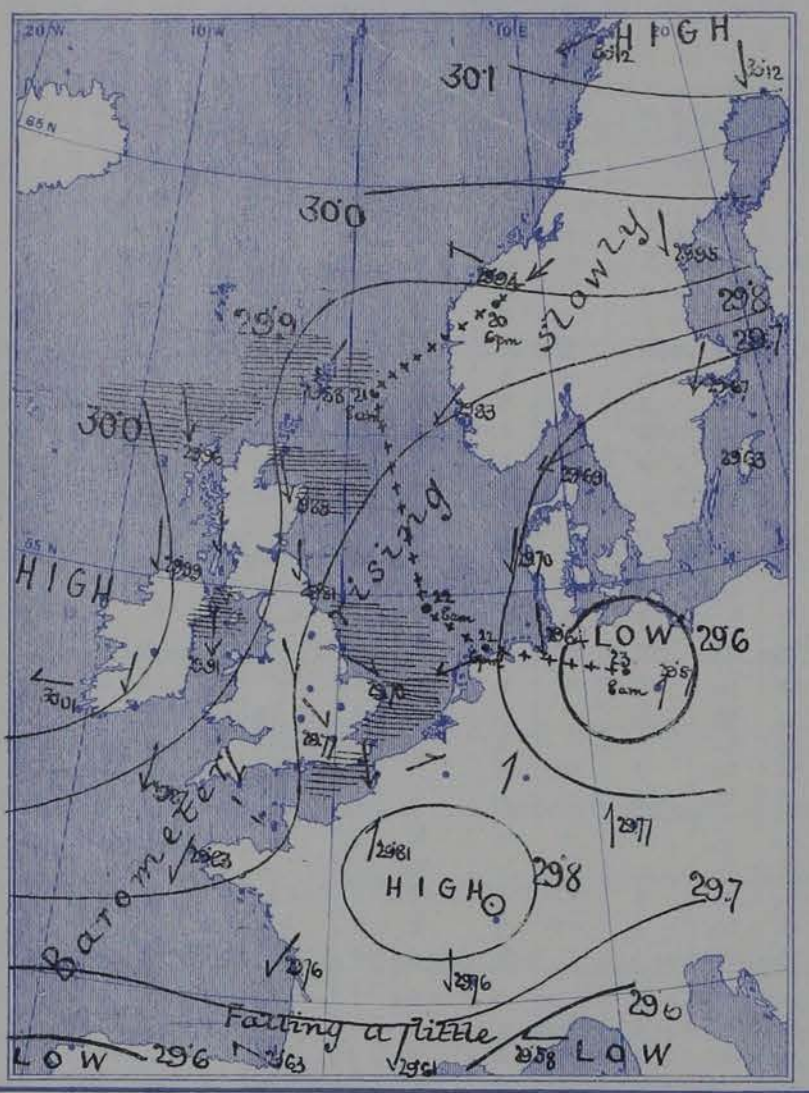
BAROMETER—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟫⟶ ; *Force 5 to 7* ⟶ ; *Force 1 to 4* ⟶ ; Calm ⊙

Force 8 to 10 ⟩⟶ ;

SEA—Rough ▒ ; *High* ▓



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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.

VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF MARCH.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 737	38 · 5	37 · 0	42 · 8	34 · 0	57	1893	18	1879	2 · 75	—	—
Stornoway	29 · 772	39 · 2	38 · 2	44 · 9	34 · 2	58	1872	13	1881	3 · 70	103 · 3	29
Wick	29 · 781	38 · 9	37 · 2	44 · 9	33 · 8	62	1894	15	1891	1 · 99	—	—
Nairn	29 · 802	37 · 9	36 · 2	45 · 9	33 · 4	65	1884	6	1892	1 . 68	—	—
Aberdeen	29 · 821	38 · 6	36 · 5	45 · 7	34 · 3	66	1889, 91, 92	10	1889	2 · 23	124 · 0	34
Leith	29 · 849	39 · 3	37 · 6	48 · 0	34 · 4	68	1884	19	1879, 81, 89	1 · 41	—	—
Shields	29 · 873	39 · 3	37 · 7	46 · 2	34 · 8	64	1884, 93	15	1889	1 · 74	—	—
Spurn Head	29 · 891	39 · 7	38 · 3	44 · 8	36 · 4	62*	1890, 93	24*	1886	1 · 19	—	—
York	29 · 904	38 · 5	36 · 9	48 · 4	33 · 8	68	1884, 92, 93	8	1883	1 · 66	109 · 1	30
Loughborough	29 · 931	38 · 6	36 · 9	49 · 8	33 · 8	69*	1884, 93	15*	1883	1 · 54	—	—
Ardrossan	29 · 861	40 · 1	38 · 6	46 · 4	36 · 1	63	1884	18	1891	2 · 30	—	—
Malin Head	29 · 842	41 · 0	39 · 3	46 · 5	38 · 5	—	—	—	—	—	—	—
Belmullet	29 · 882	43 · 2	41 · 4	48 · 4	39 · 3	—	—	—	—	3 · 80	—	—
Donaghadee	29 · 883	40 · 7	39 · 5	47 · 3	37 · 1	65	1874	25	1892	1 · 97	—	—
Holyhead	29 · 906	42 · 0	40 · 5	47 · 4	38 · 8	67	1894	27	1881	2 · 20	—	—
Liverpool	29 · 911	40 · 2	38 · 1	47 · 2	36 · 7	66	1871	21	1886	1 · 67	—	—
Parsonstown	29 · 925	40 · 1	38 · 6	49 · 9	34 · 9	66	1894	18	1891	2 · 20	114 · 7	32
Valencia	29 · 929	44 · 8	42 · 8	51 · 0	40 · 3	64	1871, 94	27	1886, 91, 92	3 · 87	135 · 3	37
Roche's Point	29 · 930	43 · 3	41 · 5	49 · 7	39 · 5	60	1895	27	1890	3 · 38	—	—
Pembroke	29 · 930	42 · 1	40 · 4	46 · 6	39 · 0	58	1872	26	1888	2 · 26	139 · 9	38
Scilly	29 · 946	46 · 0	44 · 1	49 · 5	42 · 3	59	1893	30	1883, 90, 91	2 · 28	—	—
Prawle Point	29 · 960	42 · 7	41 · 2	48 · 2	37 · 7	62*	1893, 95	23*	1883, 88, 90	1 · 88	—	—
Jersey	29 · 965	44 · 0	41 · 9	49 · 7	39 · 8	66	1871, 93, 94	21	1890	2 · 24	160 · 2	44
Hurst Castle	29 · 955	41 · 0	39 · 9	47 · 9	37 · 1	62	1877	21	1887	1 · 78	—	—
Dover	29 · 936	40 · 6	39 · 2	46 · 5	36 · 6	59	1894	13	1890	1 · 74	—	—
LONDON	29 · 949	40 · 0	38 · 1	50 · 1	35 · 2	71	1871	15	1890	1 · 43	72 · 3†	20†
Oxford	29 · 951	38 · 7	37 · 2	49 · 3	34 · 5	67	1884, 93	15	1891	1 · 50	119 · 7	33
Cambridge	29 · 941	38 · 8	37 · 4	50 · 6	32 · 9	70	1893, 94	14	1889, 90	1 · 34	127 · 4	35
Yarmouth	29 · 916	40 · 1	38 · 5	45 · 2	35 · 3	62	1884, 89	18	1892	1 · 73	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·1 ins: and upwards in the north of Scandinavia; 30·0 ins: and upwards over Ireland; 29·8 ins: and upwards over Central France.
Lowest, 29·5 ins: and less, in the south of Portugal; 29·6 ins: and less, in a depression over North Germany.
Gradients slight. Barometer rising generally, but falling a little in the south of France.

TEMPERATURE

Highest, (1) 52° at Lisbon, 40° at Nice, 39° at Perpignan and 36° at Biarritz; (2) 41° at Jersey and 37° at Scilly.
Lowest, 0° zero at Haparanda, 9° at Hernösand, 10° at Bodö, and 15° at Christiansund; lowest in our Islands 23° at Parsonstown.
Sharp frost was again experienced last night over the United Kingdom generally, the lowest temperatures reported being:—(1) In the screen 19° at Parsonstown and Dungeness, and 20° at Aberdeen and Cambridge; (2) On the grass 16° at Oxford, 17° at Loughborough, and 18° in London.

WIND

Moderate to fresh from the N.W. in all the more northern part of the United Kingdom, but drawing into NNW. over Eastern and Central England, and into the NE. or E. on our southeast coasts.
Moderate to strong from the NE. in Scandinavia and Denmark, but S. or SW. at most of the German stations; light from the E. or NE. in the west and south of France.

WEATHER

Fair or fine over Western Europe as a whole, but snow showers reported at several of the English stations and also at Aberdeen.
Snow is falling also in the south of Sweden and rain at Perpignan and Biarritz.
Snow showers occurred yesterday at most of our own northern and eastern stations, as well as in some parts of France.

SEA

Rough at Scarborough Head and Donaghadee, and rather rough on our north and east coasts generally, as well as at Cape Finisterre.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression recently noticed over the North Sea is now passing away eastwards over Germany. There are at present no signs of any new disturbance, but the barometer on our northern coasts is rather unsteady.

FORECASTS

For the 24 hours ending at NOON on 24TH MARCH 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	N. winds, fresh; squally, some snow showers.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	NW. winds, light or moderate; changeable, some snow showers.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	N. winds, strong in places; changeable, some snow showers.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29·75	27	25	ENE	4	o	2	Valencia	29·88	43	37	NW	2	bcv	4
Sumburgh Head	29·79	27	26	NE	5	sp	6	Scilly	29·80	42	38	N	4	c	1
Stornoway	29·90	33	32	E	5	s	5	Jersey	29·80	42	36	NNW	3	c	3
Aberdeen	29·71	30	27	N	5	bcqsp	5	Hurst Castle ...	29·74	44	36	N	3	c	2
Shields	29·65	34	33	NNW	4	c	5	Dungeness ...	29·66	37	35	NW	4	c	3
Ardrossan	29·78	39	39	NW	4	b	2	North Foreland							
Malin Head ...	29·84	37	34	N	3	b	1	London (Westminster)	29·67	43	34	NNW	3	bc	*
Belmullet	29·90	38	37	ENE	3	crsp	*	Yarmouth ...	29·50	34	32	NNW	6	sqs	4
Holyhead	29·79	39	34	N	3	c	2	Rochefort ...	29·76	46	41	NE	3	o	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fair or fine over Western and Central Europe as a whole, but rather changeable in our Islands with snow showers at several of our eastern and western stations; snow falling also in the south of Sweden and at Moscow. Dull in most of the eastern and southern countries. Snow showers occurring later in the north and east of our Islands generally, and also in many parts of France.

Temperature rises in many parts of Great Britain, France, and the Netherlands, but falls elsewhere. Morning readings highest 66° at Palermo and Algiers, and 60° at Patras and Malta; above 50° at most of the Mediterranean and Spanish coast stations. Lowest −16° F. at Archangel, −1° at Haparanda, and +3° at Ukeaborg; below 20° over northern Europe generally and also at several of the German and Austrian stations; considerably below the freezing point in many parts of Great Britain and also in Central Ireland. Daily maxima below 40° at all our more northern and eastern stations, thermometer at Aberdeen not exceeding 30°. Reaching 45° on some parts of our southwest coasts, and exceeding 50° in the west of France. Sharp frost occurring over the United Kingdom at night.

Wind light to fresh from the N^w or NW^w over the greater part of our Islands, but strong from the NE^w in the north of Scotland, SW^w over the Netherlands and Western Germany, moderate from NE. or E. over Denmark and Norway. Light from the E^wd over northern Russia, strong from N. or NW. in Sweden, light from the SW^w in the south of Russia, SE^w or E^w over the Spanish Peninsula and also over southern Italy. No important change occurring during day.

Barometer highest 30·1 ins. and upwards in the extreme north of Europe, 29·9 ins. and upwards over Austria and also off the west of Ireland. Lowest 29·5 ins. and less in two depressions—one lying over the southern part of the North Sea and the other over the Baltic Provinces and the northern part of the Baltic. 29·6 ins. and less, in a third disturbance off the Portuguese coast. Depression over North Sea subsequently moving slowly eastwards and barometer rising over our Islands.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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

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DAILY WEATHER REPORT

for 8 a.m. on Friday, 24th March, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of 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 Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	29.97	1	NNW	2	b	29.88	-.22	-6	-8	-6	NNW	2	b	*	b	*	12	-8	-
	Hernösand ...	30.04	5	S	0	b	30.05	+.10	-5	-5	-14	S	0	b	*	b	*	21	?	-
	Stockholm ...	29.89	10	NNE	4	b	29.99	+.32	6	5	-10	N	2	b	*	b	*	16	6	-
	Wisby	29.79	20	N	4	b	29.90	+.27	19	17	-1	NE	4	bc	*	b	*	25	14	0.04
	Karlstad ...	29.98	16	N	2	b	30.06	+.30	9	?	-8	N	2	b	*	b	*	*	*	-
	Bodö	30.14	9	E	2	b	29.99	-.13	8	5	-2	E	4	b	1	b	*	16	3	-
	Christiansund ...	29.97	21	ESE	2	c	30.01	+.07	20	19	+5	ESE	1	b	3	c	*	21	12	-
	Skudesnaes ...	29.94	25	NW	2	b	29.95	+.12	28	25	+7	NW	4	c	2	b	*	30	18	*
	Færder (Christiania Fjord)	29.93	24	E	3	b	30.01	+.24	18	17	-3	SE	4	o	2	b	*	23	18	-
	Skagen (The Scaw)	29.91	23	E	4	o	30.02	+.33	20	20	-3	ENE	2	bc	o	o	*	25	19	-
	Fanö	29.89	23	S	2	b	29.98	+.28	20	19	+1	S	o	b	*	b	*	32	18	-
	Sumburgh Head	29.95	29	N	1	o	29.93	+.05	30	29	-1	NE	1	b	4	c, o	*	31	20	0.04
	Stornoway ...	29.99	33	NW	3	b	30.00	+.04	27	25	-2	NW	3	b	3	bc sp	8.7	40	22	0.15
	Wick	29.98	26	N	2	c	29.98	+.07	28	27	-1	WNW	2	c	2	c	*	38	19	0.03
	Nairn	30.00	34	S	0	bc	30.01	+.06	28	25	+1	WNW	1	bc	1	bc	*	39	18	-
	Aberdeen ...	29.97	31	NNW	3	bc	30.03	+.15	28	26	0	W	2	b	2	bc. sp	7.1	35	18	0.07
British Isles.	Leith	29.96	35	N	3	bc	30.05	+.12	30	29	-4	NNW	1	m	*	bc	*	41	24	-
	Shields	29.93	28	NW	3	c	30.05	+.24	25	24	-4	NW	3	c	4	s, c	*	32	20	0.40
	Spurn Head ...	29.84	30	WNW	5	c	30.00	+.27	30	29	+1	NW	4	b q sp	4	c	*	36	28	0.01
	York	29.90	34	NNW	3	bc	30.05	+.25	27	27	0	N	1	b sp	*	bc	6.2	35	21	0.02
	Loughborough ...	29.91	33	N	2	b	30.05	+.27	27	25	-2	WNW	2	b	*	o sp. c. b	*	38	21	0.01
	Ardrossan ...	29.96	40	NNW	3	b	30.05	+.09	33	32	-2	NE	2	bm	1	b	*	43	24	-
	Malin Head ...	30.00	38	NNW	4	bc	30.05	+.06	36	36	+2	SSW	4	c sp	2	b. bc	*	39	32	0.02
	Belmullet ...	30.09	37	NNE	3	c	30.11	+.05	40	36	+5	N	2	b	*	b, c	*	41	30	0.02
	Donaghadee ...	29.98	40	NNE	4	b	30.06	+.11	32	31	-3	W	3	bcm	3	b	*	41	31	-
	Liverpool (Bidston)	29.95	37	N	2	bc	30.10	+.22	34	32	+2	S	0	b	2	bc	*	40	27	-
	Holyhead ...	29.99	38	N	4	b	30.10	+.19	32	31	-2	NE	2	bc sp	1	b	*	38	30	-
	Parsonstown ...	30.07	35	SE	1	bc	30.15	+.11	28	27	+5	SW	1	b	*	s. bc	7.1	43	21	-
	Valencia ...	30.07	41	NE	2	b	30.14	+.13	34	30	0	ENE	1	b	3	bv, b	11.0	44	26	-
	Roche's Point ..	30.05	43	NNE	3	b	30.18	+.16	34	32	+2	N	3	b	3	b	*	44	31	-
	Pembroke (St. Ann's Hd.)	†29.95	35	NE	3	b	30.10	+.18	37	36	+5	NNE	2	b	2	b	9.0	38	31	0.04
	Scilly	29.96	39	NNE	6	c ps	30.11	+.24	41	38	+4	NW	4	c sp	1	c. c sp	6.8	44	81	-
	Prawle Point ...	29.91	33	N	4	bc	30.12	+.25	35	34	+1	NW	3	b	2	bc	*	46	27	-
	Jersey (St. Aubin's)	29.85	35	NW	3	c	30.08	+.25	38	36	-3	NNW	3	bc	3	bc sp	*	42	32	0.04
	Hurst Castle ...	29.86	36	NE	4	cm	30.06	+.24	30	29	-1	NE	3	bm	1	c sp. cm	*	38	24	-
	Dungeness ...	29.77	35	N	3	c q	29.96	+.21	30	29	+1	NNW	3	c	2	m. c q	*	39	29	-
	North Foreland																*			
	London (Brixton) ...	29.82	29	NE	4	b	30.00	+.23	28	25	+1	WNW	1	b	*	sp. bc. b	0.4	37	24	-
	Oxford	29.95	28	N	2	b	30.06	+.27	29	28	+1	NNW	3	b	*	c. b	*	40	23	-
	Cambridge ...	29.88	33	N	3	bc	30.01	+.25	29	28	+2	N	5	c	*	c. bc	4.3	39	23	-
	Yarmouth ...	29.80	33	NE	3	c	29.96	+.26	32	31	+2	SE	3	s	4	b. c	*	37	26	0.07
Germany & Holland.	Cuxhaven ...	29.79	28	NNW	3	b	29.93	+.29	25	24	+2	N	2	b	*	b	*	28	23	-
	Berlin	29.80	25	NW	3	bc	29.82	+.25	21	19	-8	W	3	b	*	bc	*	36	18	-
	Wiesbaden ...	*	*	*	*	*	29.91	+.14	25	23	0	N	1	b	*	*	*	39	19	-
	Munich	29.70	31	SW	2	o	29.80	+.03	24	22	-4	N	4	bc	*	o	*	36	23	-
	The Helder ...	29.84	29	S	o	b	29.98	+.27	31	28	+1	S	o	b	o	b	*	34	23	-
Belgium.	Brussels ...	*	*	*	*	*	29.98	+.22	26	22	-2	E	2	bc	*	o	*	37	18	-
	Cape Gris Nez ...																*			
	Paris	29.81	34	NNE	2	o	29.95	+.14	23	23	0	W	1	b	*	o	*	42	21	-
	Brest	29.90	38	NE	3	c	30.10	+.27	30	29	-2	NE	1	bc	1	c	*	45	28	-
	Lorient	29.86	40	NNW	5	bc	30.07	+.24	33	33	-1	N	3	b	2	bc	*	52	30	-
France &	Rochefort ...	29.78	45	NNE	4	b	29.97	+.21	32	30	0	NNE	4	b	*	b	*	52	30	-
	Belfort	29.70	32	ENE	3	bc	29.84	+.02	26	25	+6	ENE	1	m	*	bc	*	40	20	-
	Lyons	29.72	36	N	2	c	29.87	+.11	29	24	-2	N	2	b	*	c	*	41	20	-
	Nice	29.43	44	SW	3	c	29.48	-.10	42	40	+2	E	2	c	3	c	*	48	37	-
	Perpignan ...	29.63	45	W	2	o	29.84	+.23	41	33	+2	NW	4	bc	*	o	*	47	37	0.12
	Biarritz ...	29.68	47	NW	3	b	29.90	+.27	36	30	0	ENE	4	o	2	b	*	48	34	-
Peninsula.	Corunna ...																*			
	Lisbon	29.74	54	N	3	b	29.96	+.47	51	47	-1	NNE	4	o	*		*	61	48	..
	Azores (P. Delgada)	29.99	56	SSW	4	c	29.94	+.03	58	55	+5	S	4	c	4		*	61	53	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

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

Bright Sunshine yesterday Southport 8.6 *hrs;*

WEATHER CHARTS

FOR Friday, 24th March, 1899.

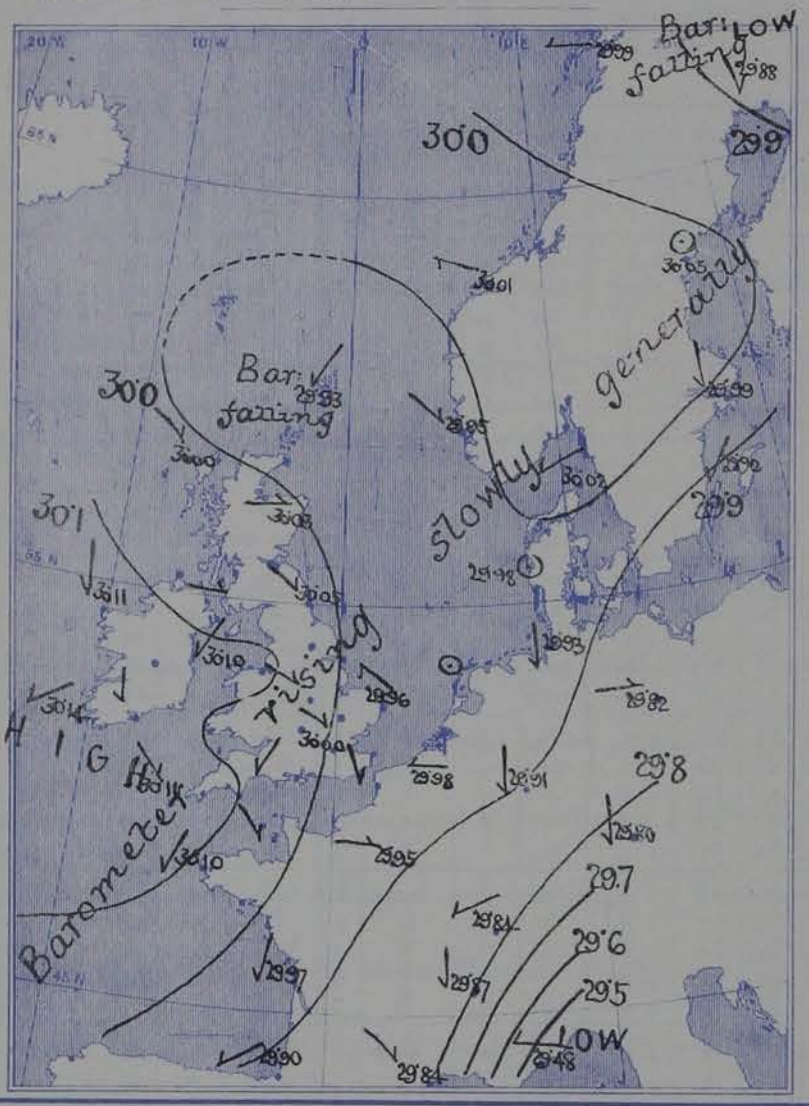
BAROMETER, WIND AND SEA.

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

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

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

SEA—Rough ▤ ; High ▩

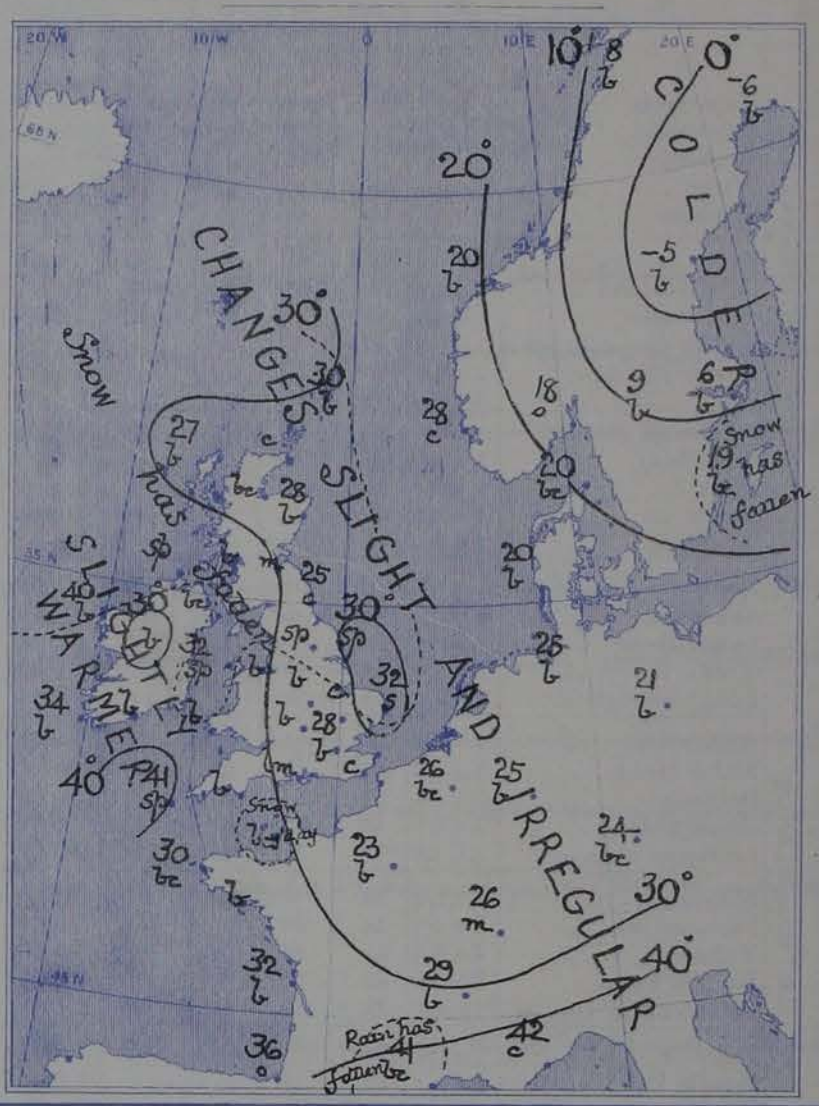


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those withou' rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF MARCH.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°					(*Inches.*)		
Sumburgh Head	29·737	38·5	37·0	42·8	34·0	57	1893	18	1879	2·75	—	—
Stornoway	29·772	39·2	38·2	44·9	34·2	58	1872	13	1881	3·70	103·3	29
Wick	29·781	38·9	37·2	44·9	33·8	62	1894	15	1891	1·99	—	—
Nairn	29·802	37·9	36·2	45·9	33·4	65	1884	6	1892	1·68	—	—
Aberdeen	29·821	38·6	36·5	45·7	34·3	66	1889, 91, 92	10	1889	2·23	124·0	34
Leith	29·849	39·3	37·6	48·0	34·4	68	1884	19	1879, 81, 89	1·41	—	—
Shields	29·873	39·3	37·7	46·2	34·8	64	1884, 93	15	1889	1·74	—	—
Spurn Head	29·891	39·7	38·3	44·8	36·4	62*	1890, 93	24*	1886	1·19	—	—
York	29·904	38·5	36·9	48·4	33·8	68	1884, 92, 93	8	1883	1·66	109·1	30
Loughborough	29·931	38·6	36·9	49·8	33·8	69*	1884, 93	15*	1883	1·54	—	—
Ardrossan	29·861	40·1	38·6	46·4	36·1	63	1884	18	1891	2·30	—	—
Malin Head	29·842	41·0	39·3	46·5	38·5	—	—	—	—	—	—	—
Belmullet	29·882	43·2	41·4	48·4	39·3	—	—	—	—	3·80	—	—
Donaghadee	29·883	40·7	39·5	47·3	37·1	65	1874	25	1892	1·97	—	—
Holyhead	29·906	42·0	40·5	47·4	38·8	67	1894	27	1881	2·20	—	—
Liverpool	29·911	40·2	38·1	47·2	36·7	66	1871	21	1886	1·67	—	—
Parsonstown	29·925	40·1	38·6	49·9	34·9	66	1894	18	1891	2·20	114·7	32
Valencia	29·929	44·8	42·8	51·0	40·3	64	1871, 94	27	1886, 91, 92	3·87	135·3	37
Roche's Point	29·930	43·3	41·5	49·7	39·5	60	1895	27	1890	3·38	—	—
Pembroke	29·930	42·1	40·4	46·6	39·0	58	1872	26	1888	2·26	139·9	38
Scilly	29·946	46·0	44·1	49·5	42·3	59	1893	30	1883, 90, 91	2·28	—	—
Prawle Point	29·960	42·7	41·2	48·2	37·7	62*	1893, 95	23*	1883, 88, 90	1·88	—	—
Jersey	29·965	44·0	41·9	49·7	39·8	66	1871, 93, 94	21	1890	2·24	160·2	44
Hurst Castle	29·955	41·0	39·9	47·9	37·1	62	1877	21	1887	1·78	—	—
Dover	29·936	40·6	39·2	46·5	36·6	59	1894	13	1890	1·74	—	—
LONDON	29·949	40·0	38·1	50·1	35·2	71	1871	15	1890	1·43	72·3†	20†
Oxford	29·951	38·7	37·2	49·3	34·5	67	1884, 93	15	1891	1·50	119·7	33
Cambridge	29·941	38·8	37·4	50·6	32·9	70	1893, 94	14	1889, 90	1·34	127·4	35
Yarmouth	29·916	40·1	38·5	45·2	35·3	62	1884, 89	18	1892	1·73	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·1 in: and upwards over the southwestern parts of the United Kingdom; 30·0 in: and upwards over the southern parts of Scandinavia.
Lowest, 29·5 in: and less, in a depression over the Gulf of Genoa; 29·9 in: and less in the north of Sweden.
Gradients slight generally, but rather steep over the southeast of France.
Barometer rising in most places, but falling in the north of Scotland and also in the north of Scandinavia.

TEMPERATURE

Highest, (1) 42° at Nice and 41° at Perpignan; (2) 41° at Scilly, 40° at Polmullet and 38° at Jersey.
Lowest, −6° F. at Haparanda, −5° at Hernösand, +6° at Stockholm and 8° at Pola: lowest in our Islands 25° at Shields.
Sharp frost was again experienced last night over nearly the whole Kingdom, the lowest temperatures reported being: (1) In the screen 18° at Nairn and Aberdeen, 19° at Wick, and 20° at Scarborough and Shields; (2) On the grass 16° in London and at Loughborough and 18° at Oxford.

WIND

Rather variable in our Islands, but chiefly N. or NW. and light or moderate in force; N. or NE. over the greater part of France.
Variable over the Netherlands, Denmark, and the south of Norway; N. in Sweden, E. in the west of Norway.

WEATHER

Fair or fine over Western Europe as a whole, but snow showers reported in the east of England, as well as on some part of our western coast.
Snow showers fell yesterday in most parts of our Islands;—heavily at some of the northern and eastern stations; at Shields the fall, when melted, was as much as 0·4 in: Two mock Suns were seen at Stornoway at 6·30 pm.

SEA

Moderate on our east coasts, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The distribution of pressure over our Islands is becoming somewhat irregular. Shallow depressions are apparently forming over our northern districts, and snow showers are still probable in many parts of the Kingdom

FORECASTS

For the 24 hours ending at NOON on 25TH MARCH 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW. to N. winds, light or moderate; changeable, some snow showers.
1	SCOTLAND EAST	
2	ENGLAND N.E.	NW. winds, moderate; changeable, some snow showers.
3	ENGLAND EAST	Varying N. breezes, changeable, some snow showers.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos 3 to 5.
7	ENGLAND N.W.	
8	ENGLAND S.W.	N. and NW. winds, moderate, changeable, some snow showers.
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.91	30	27	NE	2	b	2
Sumburgh Head	29.94	29	29	NE	1	c	5
Stornoway	29.99	40	39	ESE	3	bc	3
Aberdeen	29.92	35	30	E	3	bc	4
Shields	29.88	29	29	NW	3	s	4
Ardrossan	29.95	43	39	NNW	4	b	2
Malin Head ...	30.00	39	37	N	3	b	1
Belmullet	30.07	41	35	NE	2	b	*
Holyhead	29.97	38	32	NE	4	b	3

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.05	43	34	NE	3	bv	4
Scilly	29.92	40	36	NNE	5	c	2
Jersey	29.85	40	35	NNW	3	bc	3
Hurst Castle ...	29.88	36	34	NNE	4	qp	2
Dungeness ...	29.76	35	34	NNW	3	m	2
North Foreland							
London (Westminster)	29.79	35	32	NNW	4	c	*
Yarmouth ...	29.77	37	33	ESE	3	b	4
Rochefort ...	29.76	50	46	NE	4	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fair or fine over western and central Europe as a whole, but snow showers reported at several of the English stations and also at Aberdeen. Dull in most of the southern countries, with rain over northern Italy and the extreme south of France; dull also over Russia and the Baltic; snow reported over the Gulf of Finland and the south of Sweden. Snow showers falling during day in nearly all parts of the United Kingdom, — heavily at some of the northern and eastern stations. Two more suns seen at Stornoway.

Temperature risen in Scandinavia, Germany and Italy, changed rather irregularly elsewhere. Morning readings highest 68° at Tunis, 64° at La Calle, and 63° at Malta; above 55° at several of the Mediterranean stations. Lowest −13° F. at Archangel, 0° Zero at Haparanda, and +8° at Kuopio; considerably below the freezing point over northern Europe generally, and a few degrees below it in most parts of Great Britain and Central Ireland. Daily maxima below 40° over Great Britain as a whole, thermometer at Shields not exceeding 32°; exceeding 50° at some stations in the west of France. Sharp frost occurring over our Islands at night.

Wind moderate to fresh from the N^ds. in all the more northern parts of the United Kingdom, but drawing into NW. over eastern and central England and into NE. or E. on our southwest coasts. N^ly or NE^ly over northern Europe generally, and strong in places, with a gale at Archangel, light from the S^rds or SW^ds over the greater part of Germany. E^ly or NE^ly over Southern Europe as a whole, but SE^ly over Greece and the Adriatic. Subsequently veering to the NE^ds in the southeast of England; no important change occurring elsewhere.

Barometer highest 30·1 ins. and upwards over the northern parts of Scandinavia and also over the Black Sea; 30·0 ins. and upwards over and to the eastward of Ireland. Lowest 29·5 ins. and less. in two depressions, — one over the northwest of Russia, and the other over the south of France; 29·6 ins. and less. in a third over North Germany and the Baltic. Rise of barometer taking place over Western Europe during day, but distribution of pressure remaining very little changed.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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

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DAILY WEATHER REPORT

for 8 a.m. on Saturday, 25th March, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of 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 Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.80	1	NW	0	b	29.71	-.17	-3	-4	+3	S	2	b	*	b	*	16	-8	-
	Hernösand ...	29.98	4	NW	0	b	29.95	-.10	-1	-2	+4	NW	0	b	*	b	*	19	-11	-
	Stockholm ...	30.08	13	NW	0	bc	30.07	+.08	16	15	+10	NW	0	bc	*	bc	*	18	0	-
	Wisby	30.09	16	SE	4	b	30.13	+.23	20	18	+1	S	4	b	*	b	*	23	12	-
	Karlstad ...	30.05	17	NW	0	bc	30.02	-.04	15	14	+6	ENE	1	b	*	bc.s	*	*	*	-
	Bodö	29.75	19	SSW	6	0	29.62	-.87	25	22	+17	SSW	6	s	3	0	*	26	?	-
	Christiansund ...	29.89	27	SE	4	s	29.84	-.17	28	26	+8	WSW	s	b	4	s	*	28	16	0.20
	Skudesnaes ...	30.01	28	NNW	2	b	30.05	+.10	33	31	+5	NW	6	c	2	c.b	*	34	21	*
	Færder (Christiania Fjord)	29.97	28	SSW	5	0	30.02	+.01	22	20	+4	NW	1	b	1	0	*	28	18	0.28
	Skagen (The Scaw)	30.04	26	SSW	2	0	30.06	+.04	28	28	+8	NNW	2	b	0	0	*	30	19	-
	Fanö	30.13	29	W	1	b	30.12	+.14	33	33	+13	NW	4	s	*	b	*	34	25	0.04
British Isles.	Sumburgh Head	30.02	31	E	2	b	29.99	+.06	30	29	0	ENE	1	b	4	bc.s.p.b	*	33	24	0.02
	Stornoway ...	30.03	35	NW	3	c	29.88	-.12	36	33	+9	SE	4	c	4	b.c	7.3	40	24	0.03
	Wick	30.00	28	NW	1	bc	29.98	-.00	31	30	+3	N	1	c	2	bc	*	38	26	-
	Nairn	30.03	35	E	1	b	29.97	-.04	31	29	+3	NW	0	s	1	b	*	42	24	0.01
	Aberdeen ...	30.04	32	NW	2	b	30.00	-.03	27	26	-1	NW	1	0 q m	1	b	11.2	41	19	-
	Leith	30.04	36	W	2	0	29.99	-.06	33	33	+3	W	0	s	*	0	*	45	28	0.02
	Shields	30.08	34	SW	1	m	30.05	.00	34	33	+9	SW	3	s	2	bc.s	*	38	22	0.02
	Spurn Head ...	30.11	35	SSW	1	b	30.12	+.12	34	33	+4	SW	4	0	3	b	*	37	29	-
	York	30.09	34	N	1	b	30.13	+.08	33	32	+6	S	1	0	*	b.s	9.0	42	26	0.03
	Loughborough ...	30.14	32	SSE	2	b	30.18	+.13	32	32	+5	SW	2	c	*	bc.o.b.o	*	40	23	-
	Ardrossan ...	30.05	39	W	3	c	29.87	-.18	35	35	+2	E	4	s	3	c.r.s.p.s	*	43	31	0.11
	Malin Head ...	30.05	38	WSW	3	c q	29.68	-.37	39	38	+3	SSW	6	c q	3	bc.c q	*	40	33	0.09
	Belmullet ...	30.02	44	S	4	0	29.71	-.40	49	48	+9	WSW	6	b.o	*	b.o	*	49	36	0.46
	Donaghadee ...	30.10	40	NW	2	bc	29.91	-.15	39	38	+7	SSW	4	r	4	bc	*	45	32	0.09
	Liverpool (Bidston)	30.14	37	WNW	1	b	30.08	-.02	36	32	+2	S	3	0	3	b	*	41	33	-
	Holyhead ...	30.14	39	SW	2	b	30.01	-.09	43	39	+11	SW	7	0 u	5	bc.s.p.b	*	43	31	-
	Parsonstown ...	30.12	42	S	1	c	29.87	-.28	42	41	+14	S	1	0	*	b.c	8.0	46	27	0.07
	Valencia ...	30.05	45	SSE	4	0 q	29.81	-.33	50	49	+16	S	6	r	5	bc.q	6.8	50	33	0.65
	Roche's Point ..	30.15	44	SSW	4	c	29.94	-.24	46	46	+12	SSW	8	r	5	c	*	46	34	0.25
	Pembroke (St. Ann's Hd.)	30.18	39	NW	3	b	30.08	-.02	44	40	+7	SW	6	0 q u	4	b	11.1	44	37	-
	Scilly	30.20	43	NNW	1	bc	30.14	+.03	46	43	+5	SSW	6	0	2	c.bc	9.5	46	38	-
	Prawle Point ..	30.19	38	WNW	2	bc	30.23	+.11	41	40	+6	SW	4	c	3	bc	*	42	31	-
	Jersey (St. Aubin's)	30.19	41	NW	3	b	30.33	+.25	41	37	+3	SW	3	c	3	b	*	43	29	0.01
	Hurst Castle ...	30.16	40	NE	2	b c m	30.25	+.19	34	33	+4	NNE	1	c m	1	bc.b c m	*	45	26	-
	Dungeness ...	30.12	36	N	2	bc	30.27	+.31	39	36	+9	WNW	2	c	1	bc	*	40	27	-
	North Foreland																*			
	London (Brixton) ...	30.15	38	NNE	3	b	30.25	+.25	33	31	+5	SSW	1	c	*	bc.b	3.0	41	28	-
	Oxford	30.21	34	ESE	1	b	30.24	+.18	31	30	+2	SSE	2	c	*	b	*	43	27	-
	Cambridge ...	30.16	35	NNE	1	b	30.24	+.23	31	29	+2	SW	2	0	*	b	9.9	42	24	-
	Yarmouth ...	30.09	35	NW	2	bc	30.19	+.23	34	32	+2	WSW	3	c	3	bc	*	35	26	0.09
Germany & Holland.	Cuxhaven ...	30.09	28	NW	2	bc	30.19	+.26	29	28	+4	SW	2	c	*	bc	*	32	21	-
	Berlin	30.11	26	NW	4	b	30.30	+.48	23	21	+2	NW	2	b	*	b	*	28	19	0.04
	Wiesbaden ...	*	*	*	*	*	30.32	+.41	24	23	-1	N	1	b	*	*	*	39	19	-
	Munich	29.99	30	SW	2	0	30.21	+.41	21	19	-8	NW	4	bc	*	0	*	36	18	-
	The Helder ...	30.12	33	W	1	b	30.20	+.22	38	34	+7	WSW	1	bc		b	*	39	28	-
France & Belgium.	Brussels ...	*	*	*	*	*	30.35	+.37	30	27	+4	SW	2	b	*	b	*	41	23	-
	Cape Gris Nez ...	°	34	ENE	1	c	?	?	35	32		SW	1	bc	1	c	*	37	28	-
	Paris	30.11	35	NE	3	b	30.35	+.40	23	23	0	NNE	1	b	*	b	*	42	20	-
	Brest	30.28	40	ENE	1	b	30.27	+.17	41	37	+11	SSE	3	c	2	b	*	45	30	-
	Lorient																*			
	Rochefort ...	30.13	42	NE	4	b	30.32	+.35	30	28	-2	ENE	2	b	*	b	*	48	28	-
	Belfort	30.01	31	N	2	m	30.28	+.44	24	22	-2	ENE	3	b	*	m	*	40	20	-
	Lyons	30.01	34	NNW	2	bc	30.25	+.38	28	23	-1	N	4	b	*	bc	*	40	26	-
	Nice	29.59	42	E	5	0	29.76	+.28	35	34	-7	SW	2	0	4	0	*	54	34	0.16
	Perpignan ...	30.00	43	NW	5	b	30.19	+.34	37	31	-4	NW	6	b	*	b	*	49	34	-
	Biarritz ...	30.08	44	N	5	b	30.25	+.35	34	32	-2	ESE	3	b	2	b	*	46	32	-
Peninsula.	Corunna ...	30.19	51	N	3	b	30.25	+.13	42	37	-4	E	2	b	2	b	*	50	37	-
	Lisbon	30.12	50	N	4	b	30.18	+.22	46	41	-5	ENE	5	b	*	b	*	59	45	-
	Azores (P. Delgada)																*			

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

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

Bright Sunshine yesterday Southport 10.8 hrs;

WEATHER CHARTS

FOR Saturday, 25th March, 1899.

BAROMETER, WIND AND SEA.

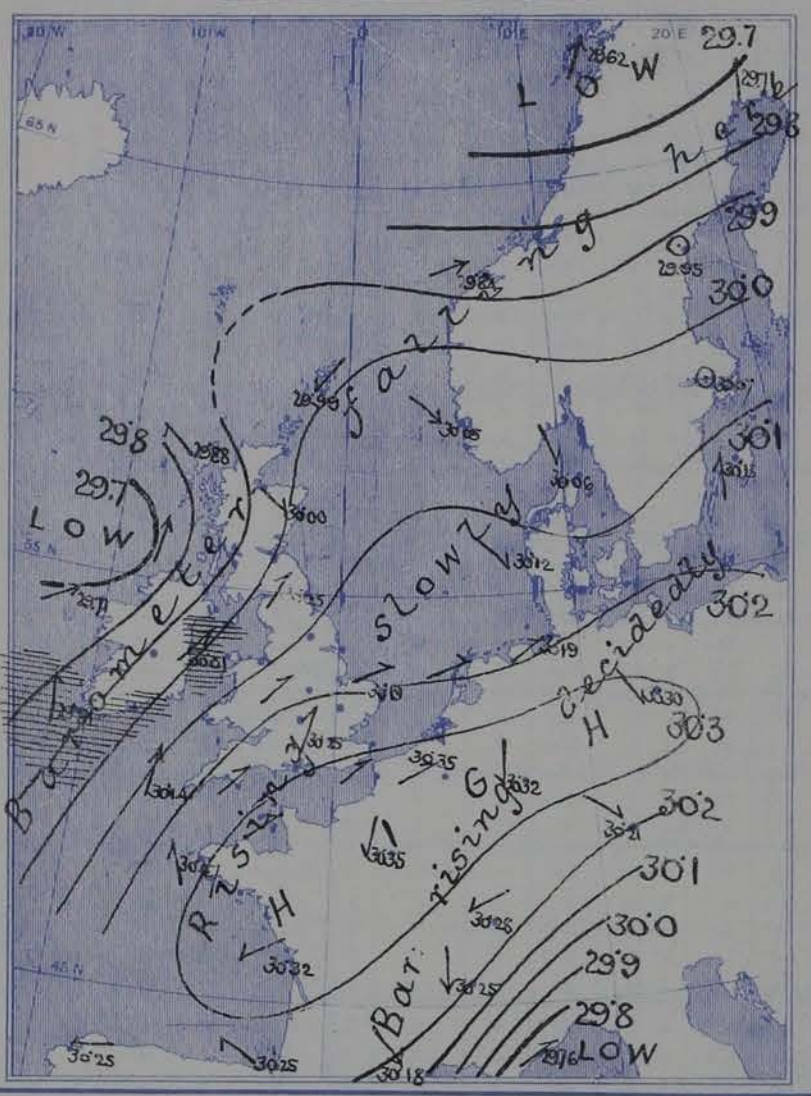
BAROMETER—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟫⟶ ; *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟩⟶ ; *Force 1 to 4* ⟶ : }

SEA—*Rough* ▤ ; *High* ▬

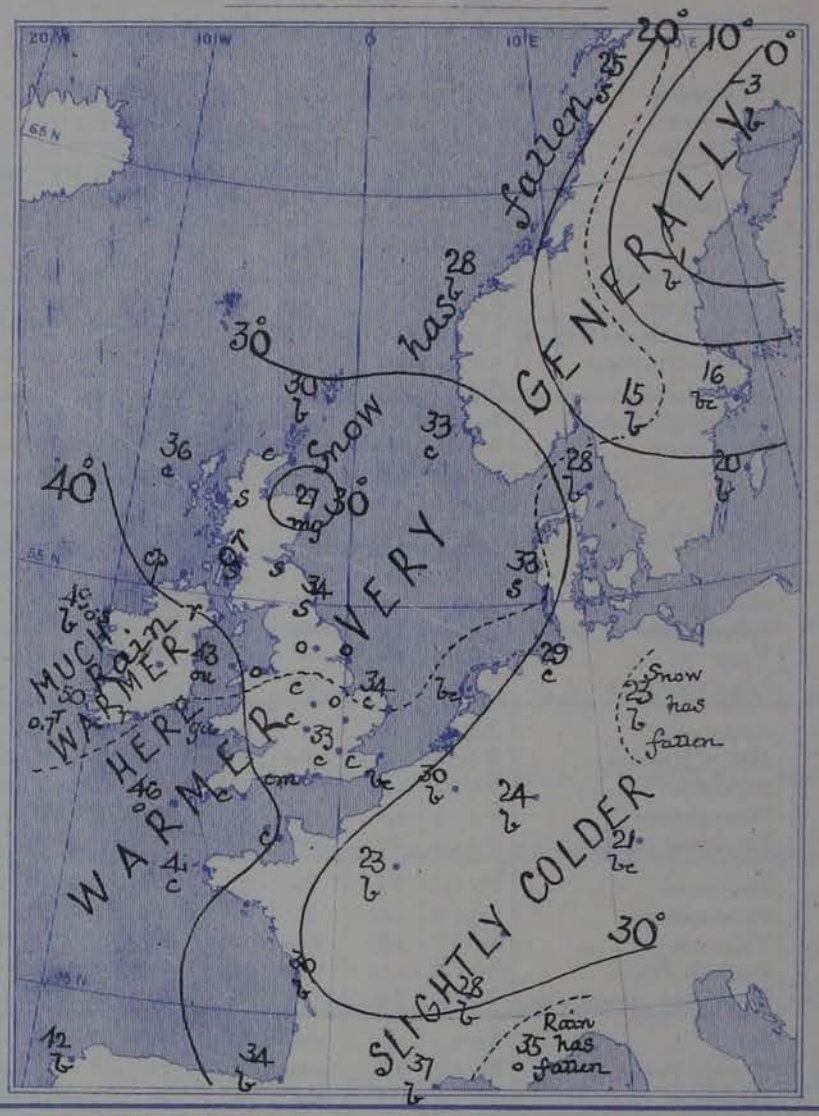


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF MARCH.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of Dry Bulb 8 a.m.	Means of Wet Bulb 8 a.m.	Means of Daily Maximum.	Means of Daily Minimum.	Absolute Extremes. Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·737	38·5	37·0	42·8	34·0	57	1893	18	1879	2·75	—	—
Stornoway	29·772	39·2	38·2	44·9	34·2	58	1872	13	1881	3·70	103·3	29
Wick	29·781	38·9	37·2	44·9	33·8	62	1894	15	1891	1·99	—	—
Nairn	29·802	37·9	36·2	45·9	33·4	65	1884	6	1892	1·68	—	—
Aberdeen	29·821	38·6	36·5	45·7	34·3	66	1889, 91, 92	10	1889	2·23	124·0	34
Leith	29·849	39·3	37·6	48·0	34·4	68	1884	19	1879, 81, 89	1·41	—	—
Shields	29·873	39·3	37·7	46·2	34·8	64	1884, 93	15	1889	1·74	—	—
Spurn Head	29·891	39·7	38·3	44·8	36·4	62*	1890, 93	24*	1886	1·19	—	—
York	29·904	38·5	36·9	48·4	33·8	68	1884, 92, 93	8	1883	1·66	109·1	30
Loughborough	29·931	38·6	36·9	49·8	33·8	69*	1884, 93	15*	1883	1·54	—	—
Ardrossan	29·861	40·1	38·6	46·4	36·1	63	1884	18	1891	2·30	—	—
Malin Head	29·842	41·0	39·3	46·5	38·5	—	—	—	—	—	—	—
Belmullet	29·882	43·2	41·4	48·4	39·3	—	—	—	—	3·80	—	—
Donaghadee	29·883	40·7	39·5	47·3	37·1	65	1874	25	1892	1·97	—	—
Holyhead	29·906	42·0	40·5	47·4	38·8	67	1894	27	1881	2·20	—	—
Liverpool	29·911	40·2	38·1	47·2	36·7	66	1871	21	1886	1·67	—	—
Parsonstown	29·925	40·1	38·6	49·9	34·9	66	1894	18	1891	2·20	114·7	32
Valencia	29·929	44·8	42·8	51·0	40·3	64	1871, 94	27	1886, 91, 92	3·87	135·3	37
Roche's Point	29·930	43·3	41·5	49·7	39·5	60	1895	27	1890	3·38	—	—
Pembroke	29·930	42·1	40·4	46·6	39·0	58	1872	26	1888	2·26	139·9	38
Scilly	29·946	46·0	44·1	49·5	42·3	59	1893	30	1883, 90, 91	2·28	—	—
Prawle Point	29·960	42·7	41·2	48·2	37·7	62*	1893, 95	23*	1883, 88, 90	1·88	—	—
Jersey	29·965	44·0	41·9	49·7	39·8	66	1871, 93, 94	21	1890	2·24	160·2	44
Hurst Castle	29·955	41·0	39·9	47·9	37·1	62	1877	21	1887	1·78	—	—
Dover	29·936	40·6	39·2	46·5	36·6	59	1894	13	1890	1·74	—	—
LONDON	29·949	40·0	38·1	50·1	35·2	71	1871	15	1890	1·43	72·3†	20†
Oxford	29·951	38·7	37·2	49·3	34·5	67	1884, 93	15	1891	1·50	119·7	33
Cambridge	29·941	38·8	37·4	50·6	32·9	70	1893, 94	14	1889, 90	1·34	127·4	35
Yarmouth	29·916	40·1	38·5	45·2	35·3	62	1884, 89	18	1892	1·73	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 in: and upwards, in an anticyclone lying over Germany, Belgium, and the northern part of France.
Lowest, 29·7 in: and less, in a depression lying off our extreme northwest coasts, and also in another area over the north of Scandinavia.
Gradients moderate to rather steep over our extreme southern coasts, slight elsewhere.
Barometer falling in all the more southern and northern parts of our Islands and also in Scandinavia, rising elsewhere, but very slightly in the southeast of England.

TEMPERATURE

Highest, 50° at Valencia (Ireland), 49° at Pelmallet, 46° at Rochfort and Scilly, and 44° at Pembroke.
Lowest, -3° F. at Haparanda, -1° at Hernosand, and 15° at Karlstad; lowest in our Islands 27° at Aberdeen and 30° at Tumburgh Head.
Sharp frost was again experienced last night in many parts of Great Britain, the lowest temperatures reported being:—(1) In the screen 19° at Aberdeen, 22° at Shields, and 23° at Loughborough; (2) On the grass 16° at Loughborough.

WIND

S¾ or SW¾ over Ireland, England, and the adjacent parts of the Continent, and strong in force on our southern coasts, with a gale at Rochfort; SE¾ or E¾ in the east of Scotland.
Light from the NW^ed in the northeast of Scotland, and moderate to fresh from the same quarter on the eastern shores of the North Sea; S¾ or SW¾ over the greater part of Scandinavia.

WEATHER

Cloudy or dull over the greater part of our Islands, with rain in Ireland and snow in Scotland and the extreme north of England.
Fine and bright at nearly all the Continental stations, but snow reported at Bodö and Famö.
In the course of the night 0·5 in: of rain has fallen at Pelmallet, and 0·7 in: at Valencia. Lunar halos were seen last night at several of our northern stations.

SEA

Rather rough off the south of Ireland and at Holyhead, moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off our northwest coasts is moving northwards, but is likely to be followed shortly by the appearance of fresh disturbances in the west. Mild unsettled weather will probably extend over the whole of the United Kingdom.

FORECASTS

For the 24 hours ending at NOON on 26TH MARCH 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S¾ winds, freshening; some snow then milder, with rain.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Same as No 5
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	SW¾ and S¾ winds, freshening; fair at first, cloudy later, probably some rain. Milder.
6	SCOTLAND WEST	Same as Nos 0 and 1.
7	ENGLAND N.W.	S¾ and SW¾ winds, strong; cloudy, squally, some rain.
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.97	30	29	NNW	4	c	2
Sumburgh Head	29.99	38	32	E	3	bcsp	5
Stornoway	30.02	40	36	NNW	3	b	3
Aberdeen	30.02	39	32	W	2	b	2
Shields	30.06	35	34	WNW	1	bc	3
Ardrossan	30.06	39	39	SW	4	c	3
Malin Head ...	30.06	38	38	SSW	4	bc	2
Belmullet	30.08	46	40	SSW	3	b	*
Holyhead	30.14	43	38	WSW	2	bcsp	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.10	47	40	SSE	4	cv	5
Scilly	30.17	44	40	NNW	4	c	1
Jersey	30.15	43	43	NNW	4	b	3
Hurst Castle ...	30.10	45	38	NW	3	bc	2
Dungeness ...	30.04	36	35	NNE	2	bc	1
North Foreland							
London (Westminster)	30.08	39	34	NNE	4	bc	*
Yarmouth ...	30.04	34	32	SE	2	bc	4
Rochefort ...	30.06	45	41	N	5	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fair or fine over western and northern Europe generally, but snow showers reported in the north and east of England, as well as in some parts of our western coasts. Cloudy or dull in the central and southeastern countries, with snow in many places. Dull over northern Italy, the extreme south of France and the north of Spain, with rain at Bilbao: fine in most other parts of southern Europe. Rain falling at night in Ireland, – heavily in the west: lunar halo seen at several of our northern stations

Temperature changed irregularly in our Islands and France, rose over Austria, Italy, and the south of Russia, fallen elsewhere. Morning readings highest 67° at Malta, 66° at Palermo, and 65° at Athens: above 55° at many of the Mediterranean stations. Lowest -10 F. at St Petersburg, below Zero over all the northern part of Sweden and Russia: considerably below the freezing point over northern and Central Europe generally, and a little below it in many parts of the United Kingdom. Daily maxima below 40° at several of our own northern and Eastern stations, but thermometer beginning to rise briskly in Ireland. Sharp frost again occurring over Great Britain at night.

Wind rather variable in our Islands, but chiefly N¹ or NW² and light or moderate in force. N³ or NE³ over the greater part of France, Spain and northern Italy, but a strong "mistral" blowing at Toulon. E⁴ in the west of Norway. N¹ or NE² over Sweden and Denmark: NW² over Germany, Austria and Western Russia. Variable over the south of Russia, Greece, and southern Italy. Subsequently shifting to the S^W in Ireland: no important change elsewhere.

Barometer highest 30·1 in: and upwards in an anticyclone lying over the Bay of Biscay and the southwestern part of our Islands; 30·0 in: and upwards over the southern parts of Scandinavia. Lowest 29·4 in: and less in a depression over the extreme north of Russia; 29·5 in: and less in a small disturbance over the Gulf of Genoa. Anticyclone in southwest subsequently increasing in height and moving eastwards: depression approaching the Irish coast at night.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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

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,, Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Sunday 26th March, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M.S.L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA	Haparanda ...	29.68	14	SW	4	be	29.69	−·02	14	13	+ 17	SW	2	b	*	bc	*	19	−3	—
	Hernösand ...	29.93	18	S	2	b	29.82	−·13	12	11	+ 13	E	0	be	*	b	*	25	−9	—
	Stockholm ...	30.04	22	E	0	b	30.02	−·05	18	17	+ 2	E	0	b	*	b	*	25	5	—
	Wisby	30.12	24	NW	4	b	30.08	−·05	28	27	+ 8	W	4	b	*	b	*	30	10	004
	Karlstad ...	30.03	26		0	b	29.99	−·03	21	20	+ 8	S	2	b	*	b	*	*	*	—
	Bodö	29.62	29	E	0	0	29.64	+·01	25	23	0	S	4	b	2	0	*	27	21	—
	Christiansund ...	29.82	29	WSW	6	s	29.77	−·07	29	28	+ 1	WSW	8	s	6	s	*	35	28	028
	Skudesnaes ...	30.06	34	SSE	4	b	29.94	−·11	29	27	− 4	ENE	4	b	2	b	*	37	23	*
	Færder (Christiania Fjord)	30.02	35	WSW	2	b	29.98	−·04	28	26	+ 6	W	1	b	1	b	*	36	21	—
	Skagen (The Scaw)	30.10	28	W	2	b	29.98	−·08	30	29	+ 2	SSE	3	b	0	b	*	37	27	—
	Fano	30.08	31	S	2	0	29.77	−·35	32	32	− 1	S	4	s	*	0.s	*	36	30	035
BRITISH ISLANDS.	Sumburgh Head	29.90	34	NE	1	b	29.89	−·10	31	29	+ 1	N	1	b	3	b	*	41	28	—
	Stornoway ...	29.74	37	SE	3	0	29.85	−·03	37	35	+ 1	SE	3	c	3	c.o	6.1	40	33	—
	Wick	29.82	35	E	4	0	29.89	−·09	40	38	+ 9	E	3	c	2	0	*	40	29	002
	Nairn	29.75	35	ESE	1	0	29.85	−·12	33	32	+ 2	E	0	0	2	0	*	35	29	009
	Aberdeen ...	29.74	35	E	3	0	29.86	−·14	38	36	+ 11	NW	2	bc	3	995.23	0.0	38	26	027
	Leith	29.68	37	N	1	0	29.85	−·14	36	36	+ 3	E	0	r	*	0	*	38	31	068
	Shields	29.74	36	SSW	3	0	29.86	−·19	38	37	+ 4	W	2	r	2	ors.0	*	41	32	011
	Spurn Head ...	29.87	37	SSW	6	r	29.85	−·27	44	43	+ 10	W	4	0	3	or	*	44	34	047
	York	29.85	38	S	2	r	29.87	−·26	48	46	+ 15	W	1	0	*	0.rm	0.0	48	32	012
	Loughborough ...	29.96	38	SSW	5	0	29.92	−·26	48	46	+ 16	WSW	4	cpq	*	c.opq.c	*	48	32	029
	Ardrossan ...	29.85	37	NNE	2	rf	29.83	−·04	36	36	+ 1	NNE	3	rf	2	rf	*	43	34	052
	Malin Head ...	29.63	44	SSW	3	r	29.77	+·09	47	47	+ 8	WSW	4	f	2	c.r	*	49	38	029
	Belmullet ...	29.77	49	WSW	4	0	29.86	+·15	50	48	+ 1	WSW	5	0	*	Bl.r.0	*	52	45	080
	Donaghadee ...	29.72	48	S	3	r	29.84	−·07	46	46	+ 7	SSW	2	rm	3	r	*	?49	?39	045
	Liverpool (Bidston)	29.81	45	SSW	5	0	29.90	−·18	48	46	+ 12	WSW	6	0	5	0	*	48	36	020
	Holyhead ...	29.80	47	SW	7	0	29.93	−·08	48	47	+ 5	SW	4	rqm.fqw	4	rqm.fqw	*	48	39	051
	Parsonstown ...	29.80	52	SW	1	0	29.94	+·07	49	47	+ 7	SW	1	0	*	0	0.5	55	41	018
	Valencia ...	29.85	52	SW	5	r	29.92	+·11	49	46	− 1	S	3	c	4	cm.r	0.1	54	45	024
	Roche's Point ...	29.89	52	WSW	7	r	29.98	+·04	49	48	+ 3	SW	4	c	4	r	*	51	46	040
	Pembroke (St. Ann's Hd.)	29.95	46	SW	7	r	30.02	−·06	48	47	+ 4	WSW	6	c	5	r	0.0	48	102	064
	Scilly	30.07	49	SSW	7	qp	30.07	−·07	52	49	+ 6	SW	4	c	4	or.qp	0.0	52	43	002
	Prawle Point ...	30.13	44	SW	6	r	30.13	−·10	48	47	+ 7	SW	4	c	4	pq	*	48	38	012
	Jersey (St. Aubin's)	30.26	48	SSW	5	qg	30.19	−·14	46	42	+ 5	SW	3	c	3	c.oq	*	49	40	—
	Hurst Castle ...	30.15	44	SW	5	p	30.11	−·14	48	46	+ 14	WSW	5	cm	3	o.rq	*	48	33	016
	Dungeness ...	30.16	43	SW	5	c	30.03	−·24	48	45	+ 6	WSW	5	0	4	c	*	46	38	027
	North Foreland																#			
	London (Brixton) ...	30.15	39	SSW	4	0	30.04	−·21	48	45	+ 15	WSW	4	0	*	c.or	2.7	49	33	020
	Oxford	30.05	41	S	6	0	30.03	−·21	48	45	+ 17	WSW	5	c	*	c.o.rq	*	48	31	006
	Cambridge ...	30.06	36	SW	5	rs	29.97	−·27	47	46	+ 16	WSW	4	0	*	c.rs	2.3	49	29	017
	Yarmouth ...	30.06	39	SW	4	0	29.86	−·33	48	44	+ 11	WNW	4	r	4	c.rq	*	46	34	029
GERMANY & HOLLAND.	Cuxhaven ...	30.17	34	W	4	s	29.83	−·36	32	32	+ 3	SSW	5	s	*	s	*	37	29	—
	Berlin	30.30	31	W	1	b	30.18	−·12	29	26	+ 6	W	4	0	*	b	*	36	23	—
	Wiesbaden ...	*	*	*	*	*									*	*	*			
	Munich	30.33	25	E	0	b	30.36	+·15	25	23	+ 4	SW	5	b	*	b	*	32	19	—
	The Helder ...	30.19	40	SW	4	0	29.77	−·43	44	42	+ 6	W	4	0	3	0	*	45	36	035
BELGIUM.	Brussels ...	*	*	*	*	*									*		*			
	Cape Gris Nez ...	?	39	WSW	5	a	?	?	45	45	+ 10	W	6	f	6	0	*	45	35	065
	Paris	30.34	41	WSW	2	bc	30.29	−·06	35	30	+ 12	SSW	3	tf	*	bc	*	46	23	—
	Brest	30.25	47	SSW	4	0	30.17	−·10	50	45	+ 9	S	3	b	3	0	*	50	39	—
	Lorient																*			
FRANCE &	Rochefort ...	30.32	45	NW	3	b	30.28	−·04	36	34	+ 6	SE	3	b	*	b	*	55	28	—
	Belfort	30.34	31	NNE	2	b	30.39	+·11	27	25	+ 3	W	1	w	*	b	*	40	21	—
	Lyons	30.37	36	N	2	b	30.43	+·18	28	23	0	SW	1	bc	*	b	*	42	24	—
	Nice	30.05	37	SW	1	bc	30.35	+·59	38	32	+ 3	E	0	b		bc	*	46	32	032
	Perpignan ...	30.27	44	NW	5	b	30.40	+·22	32	25	− 5	SW	2	b	*	b	*	48	28	—
	Biarritz ...	30.24	49	ENE	3	b	30.23	−·02	34	30	0	SE	3	b	2	b	*	50	30	—
PENINSULA.	Corunna ...	30.22	54	NW	3	b	30.21	−·04	56	44	+ 14	SE	1	b	2	b	*	57	41	—
	Lisbon	30.16	52	ENE	4	b	30.16	−·02	48	42	+ 2	ENE	4	b	*	b	*	57	46	—
	Azores (P. Delgada)	29.64	56	W	5	be	29.82	+·44	56	52	− 2	NW	3	be	3	be	*	63	54	046

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

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

Bright Sunshine yesterday Southport 0·0 hrs;

WEATHER CHARTS

FOR Sunday, 26th March, 1899.

BAROMETER, WIND AND SEA.

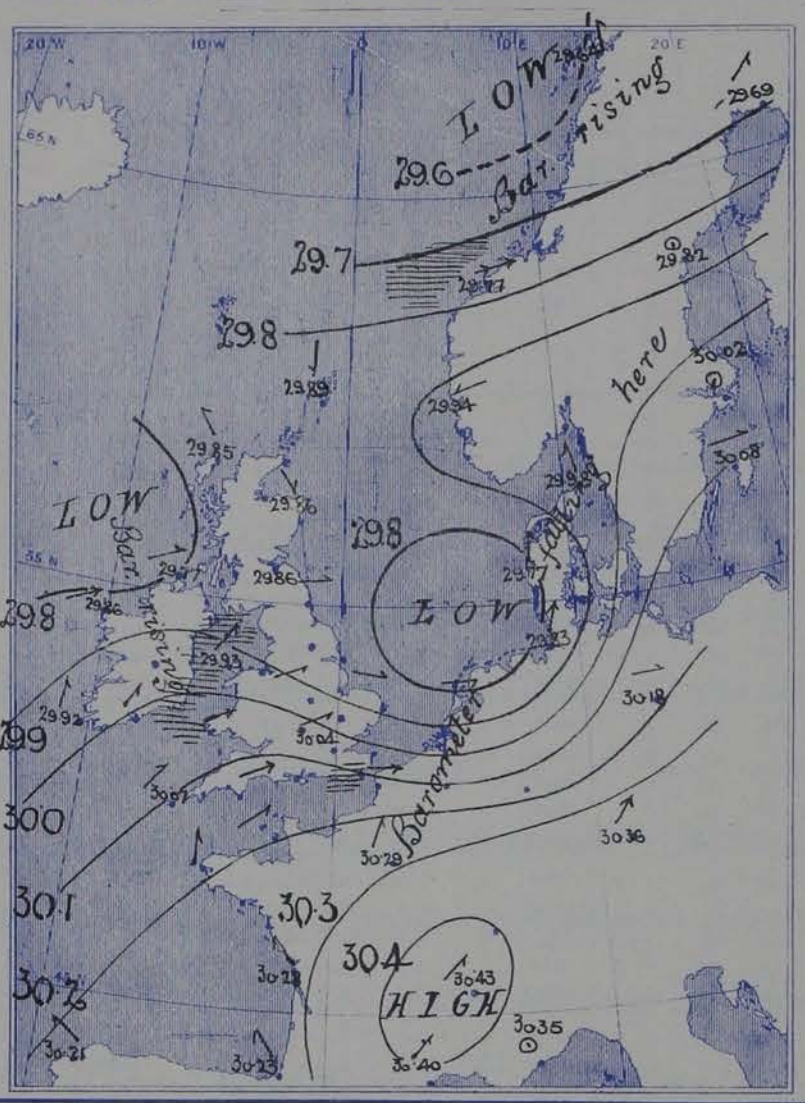
BAROMETER—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟶⟶ ; Force 5 to 7 ⟶ ; } Calm ⊙

Force 8 to 10 ⟶⟶ ; Force 1 to 4 ⟶ ; }

SEA—Rough ▤ ; High ▦

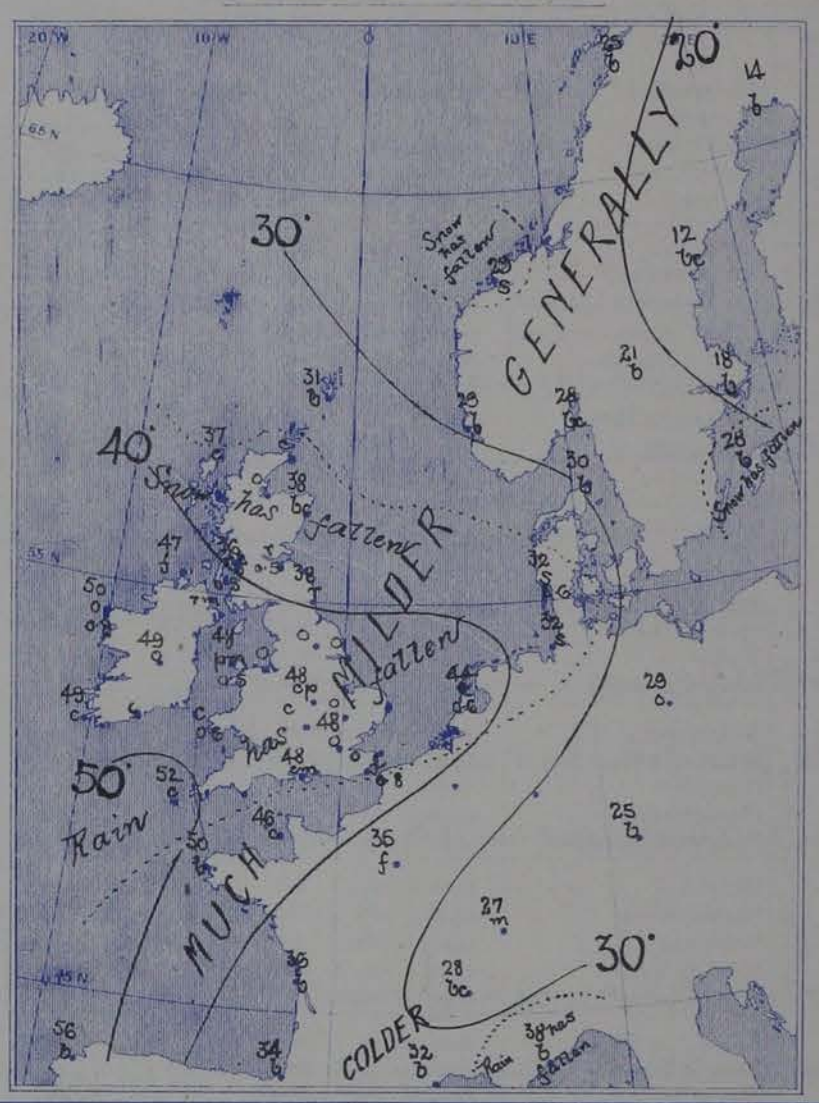


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF MARCH.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 737	38 · 5	37 · 0	42 · 8	34 · 0	57	1893	18	1879	2 · 75	—	—
Stornoway	29 · 772	39 · 2	38 · 2	44 · 9	34 · 2	58	1872	13	1881	3 · 70	103 · 3	29
Wick	29 · 781	38 · 9	37 · 2	44 · 9	33 · 8	62	1894	15	1891	1 · 99	—	—
Nairn	29 · 802	37 · 9	36 · 2	45 · 9	33 · 4	65	1884	6	1892	1 . 68	—	—
Aberdeen	29 · 821	38 · 6	36 · 5	45 · 7	34 · 3	66	1889, 91, 92	10	1889	2 · 23	124 · 0	34
Leith	29 · 849	39 · 3	37 · 6	48 · 0	34 · 4	68	1884	19	1879, 81, 89	1 · 41	—	—
Shields	29 · 873	39 · 3	37 · 7	46 · 2	34 · 8	64	1884, 93	15	1889	1 · 74	—	—
Spurn Head	29 · 891	39 · 7	38 · 3	44 · 8	36 · 4	62*	1890, 93	24*	1886	1 · 19	—	—
York	29 · 904	38 · 5	36 · 9	48 · 4	33 · 8	68	1884, 92, 93	8	1883	1 · 66	109 · 1	30
Loughborough	29 · 931	38 · 6	36 · 9	49 · 8	33 · 8	69*	1884, 93	15*	1883	1 · 54	—	—
Ardrossan	29 · 861	40 · 1	38 · 6	46 · 4	36 · 1	63	1884	18	1891	2 · 30	—	—
Malin Head	29 · 842	41 · 0	39 · 3	46 · 5	38 · 5	—	—	—	—	—	—	—
Belmullet	29 · 882	43 · 2	41 · 4	48 · 4	39 · 3	—	—	—	—	3 · 80	—	—
Donaghadee	29 · 883	40 · 7	39 · 5	47 · 3	37 · 1	65	1874	25	1892	1 · 97	—	—
Holyhead	29 · 906	42 · 0	40 · 5	47 · 4	38 · 8	67	1894	27	1881	2 · 20	—	—
Liverpool	29 · 911	40 · 2	38 · 1	47 · 2	36 · 7	66	1871	21	1886	1 · 67	—	—
Parsonstown	29 · 925	40 · 1	38 6	49 · 9	34 · 9	66	1894	18	1891	2 · 20	114 7	32
Valencia	29 · 929	44 · 8	42 · 8	51 · 0	40 · 3	64	1871, 94	27	1886, 91, 92	3 · 87	135 · 3	37
Roche's Point	29 · 930	43 · 3	41 · 5	49 · 7	39 · 5	60	1895	27	1890	3 · 38	—	—
Pembroke	29 · 930	42 · 1	40 · 4	46 · 6	39 · 0	58	1872	26	1888	2 · 26	139 9	38
Scilly	29 · 946	46 · 0	44 · 1	49 · 5	42 · 3	59	1893	30	1883, 90, 91	2 · 28	—	—
Prawle Point	29 · 960	42 · 7	41 · 2	48 · 2	37 · 7	62*	1893, 95	23*	1883, 88, 90	1 · 88	—	—
Jersey	29 · 965	44 · 0	41 · 9	49 · 7	39 · 8	66	1871, 93, 94	21	1890	2 · 24	160 · 2	44
Hurst Castle	29 · 955	41 · 0	39 · 9	47 · 9	37 · 1	62	1877	21	1887	1 · 78	—	—
Dover	29 · 936	40 · 6	39 · 2	46 · 5	36 · 6	59	1894	13	1890	1 · 74	—	—
LONDON	29 949	40 · 0	38 · 1	50 · 1	35 · 2	71	1871	15	1890	1 · 43	72 · 3†	20†
Oxford	29 951	38 · 7	37 · 2	49 · 3	34 · 5	67	1884, 93	15	1891	1 · 50	119 · 7	33
Cambridge	29 · 941	38 · 8	37 · 4	50 · 6	32 · 9	70	1893, 94	14	1889, 90	1 · 34	127 · 4	35
Yarmouth	29 · 916	40 · 1	38 · 5	45 · 2	35 · 3	62	1884, 89	18	1892	1 · 73	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·43 in: at Lyons. 30·2 in: and upwards in an anticyclone covering nearly the whole of Spain, France, and the southern parts of Germany.
Lowest 29·6 in: and less, in a depression off the northern parts of the Norwegian coasts; 29·8 in: and less in two other disturbances,—one lying off the west of Scotland and the other over the southern parts of the North Sea.
Gradient slight generally, but rather steep over North Germany and the Netherlands
Barometer rising in our Islands and also in the East and south of France but falling elsewhere.

TEMPERATURE

Highest, 56° at Coruna, 52° at Lille, 50° at Belmullet and Brest, and 49° at Queenstown and Rochefort.
Lowest, 12° at Haparanda, 14° at Haparanda, 18° at Stockholm, and 21° at Karlstad; lowest in our Islands 31° at Lumburgh Hd and 33° at Nairn.
During yesterday the thermometer rose to 45° and upwards at most of the English and Irish stations, to 50° and upwards on our extreme western and southwestern coasts and to 55° at Queenstown

WIND

Moderate to strong from the SW^ly or W^ly over Ireland, England, the Netherlands, Germany, and the north of France
S^ly in Denmark; Variable in the south of Scandinavia, the east of Scotland, variable in the north of Scotland; S^ly or SW^ly over the northern parts of Scandinavia, with a gale at Christiansund.
Light from the E^ly in the southwest of France and the north of Spain.

WEATHER

Cloudy or dull in most parts of our Islands, with rain in the south of Scotland and the northern parts of England and Ireland.
Fine at most of the Continental stations, but snow falling at Paris and Cuxhaven, as well as at Copenhagen.
Rain fell yesterday over nearly the whole of our Islands and also in the adjacent parts of the Continent, the largest amounts being 0·8 in: at Belmullet and Paris, and 0·6 in: at Pembroke, Jersey, and Helder. Thunder and lightning occurred yesterday at Belmullet, parhelia were seen at Oxford and a lunar halo at Jersey.

SEA

Moderate to smooth generally, but rough at Christiansund and Cape Gris Nez, and rather rough at Liverpool and Pembroke

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 27th MARCH 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NONE ISSUED	6 SCOTLAND WEST	NONE ISSUED.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	NONE ISSUED.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·08	37	33	NW	2	b	1
Sumburgh Head	29·93	37	36	NE	1	b	4
Stornoway	29·78	40	37	SE	4	c	4
Aberdeen	29·85	34	33	SE	5	ogq^{s}	4
Shields	29·91	34	34	SSE	3	r	2
Ardrossan	29·72	42	42	SSW	3	r	4
Malin Head ...	29·62	49	48	WSW	5	c	3
Belmullet	29·72	50	49	WSW	4	r	*
Holyhead	29·97	44	43	SW	8	rqm	6
Valencia	29·94	53	51	SW	4	om	5
Scilly	30·10	48	46	S	7	or	4
Jersey	30·31	48	40	SSW	4	c	3
Hurst Castle ...	30·20	45	39	SW	5	o	3
Dungeness ...	30·22	46	42	SW	5	c	4
North Foreland							
London (Westminster)	30·19	45	40	SW	3	od	*
Yarmouth ...	30·14	42	37	SW	2	c	3
Rochefort ...	30·34	50	45	W	2	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning cloudy or dull over the greater part of our Islands, with rain in Ireland and snow in Scotland and the extreme north of England. Fine over the western and northern parts of the Continent generally, but snow reported at Bodö and Faro. Dull over Italy, Austria and south-eastern Europe, with rain at Hermanstadt and Patras, and snow at Pesth. Rain falling later over nearly the whole of our Islands and the adjacent parts of the Continent,—heavily in places. Thunder and lightning occurring at Belmullet; parhelia seen at Oxford and a lunar halo at Jersey.

Temperature rises in all but the southern countries. Morning readings highest 62° at Athens, 61° at Patras, and Constantinople, and 59° at Brindisi; above 50° at many of the Mediterranean stations. Lowest −14° F at Helsingfors, −6° at St Petersburg, and −3° F at Haparanda; considerably below the freezing point over northern and central Europe generally, and slightly below it in many parts of Great Britain. Rising during day to 45° and upwards in all the more western and southern parts of our Islands, and to 50° and upwards at some of our south-eastern stations. Reaching 55° at Parsonstown and Rochfort and 57° at Lisbon.

Wind S' or SW' over Ireland, England, and the adjacent parts of the Continent, and strong in force on our western coasts; SE' or E' in the west of Scotland. Light from the NW^{d} in the north-east of Scotland, and moderate to fresh from the same quarter in the south of Norway and also in Denmark, Germany and Austria. SW' over the northern parts of Russia and Scandinavia. Strong from the E^{d} over the northern parts of Italy and the Adriatic and from the NW^{d} over the extreme south of France. E' over the Spanish Peninsula and the south-west of France. Subsequently increasing to a moderate gale from the SW^{d} in the east and south-east of England.

Barometer highest 30·2 in: to 30·3 in: and upwards in an anticyclone lying over Spain, France, and Germany. Lowest 29·6 in: and less, in a depression over southern Italy; 29·7 in: and less, in another disturbance lying off our extreme north-west coast, and also over the extreme northern part of Russia and Scandinavia. Depression to north-westward of our Islands subsequently spreading eastward; secondary system forming over the north of England in evening.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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 „

DAILY WEATHER REPORT

for 8 a.m. on Monday, 27th March, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.74	8	S	2	b	29.72	+.03	15	14	+ 1	S	2	o	*	b	*	23	1	-
	Hernösand ...	29.75	21	Z	0	o	29.74	-.08	22	21	+ 10	S	2	bc	*	o	*	32	1	-
	Stockholm ...	29.91	26	Z	0	o	29.86	-.16	25	23	+ 7	SSW	2	b	*	o	*	37	10	-
	Wisby	29.91	30	SSE	4	bc	29.87	-.21	31	31	+ 3	NNW	4	S	*	bc	*	36	19	0.12
	Karlstad ..	29.86	27	N	2	b	29.86	-.13	19	19	- 2	WSW	2	b	*	b	*	*	*	-
	Bodö	29.60	30	W	4	bc	29.58	-.06	23	20	- 2	ENE	4	o	1	bc	*	30	21	-
	Christiansund ...	29.76	29	WNW	8	S	29.74	-.03	29	28	o	NNW	6	S	6	S	*	32	28	0.16
	Skudesnaes ...	29.91	30	E	2	bc	29.95	+.01	32	32	+ 3	SE	4	c	2	bc	*	38	28	*
	Færder (Christiania Fjord)	29.86	32	SW	2	bc	29.91	-.07	28	24	o	W	2	b	2	bc	*	34	27	-
	Skagen (The Scaw)	29.89	32	NE	1	bc	29.93	-.05	33	31	+ 3	NNW	2	b	0	bc	*	36	27	-
	Fanö	29.93	33	NE	1	c	30.03	+.26	34	31	+ 2	S	1	bc	*	c	*	34	27	-
	Sumburgh Head	29.92	33	N	2	c	29.79	-.10	34	34	+ 3	ESE	3	o	4	c	*	36	26	-
	Stornoway ...	29.85	39	ESE	4	a	29.52	-.33	42	41	+ 5	SE	4	r	4	c, oa	3.3	42	35	0.10
	Wick	29.90	38	E	3	c	29.61	-.28	41	40	+ 1	SE	5	o	5	c	*	43	35	-
	Nairn	29.86	38	E	1	o	29.61	-.24	42	41	+ 9	S	1	r	1	o	*	42	31	0.12
	Aberdeen ...	29.93	37	E	2	o	29.68	-.18	41	40	+ 3	S	2	ogp	3	rq.bc.o	6.5	43	36	0.10
	Leith	29.89	36	E	2	r	29.64	-.21	45	44	+ 9	Z	0	c	*	r	*	45	35	0.13
	Shields	29.92	39	ENE	1	r	29.77	-.09	40	39	+ 2	SSW	3	r	2	r	*	42	35	0.12
	Spurn Head ...	29.94	45	WNW	4	c	29.86	+.01	41	40	- 3	SSW	4	c	3	o.c	*	45	37	0.04
	York	29.94	52	W	3	c	29.83	-.04	40	39	- 8	S	1	c	*	p.c	0.1	52	35	0.01
	Loughborough ...	29.99	53	WSW	2	c	29.90	-.02	43	41	- 5	SW	2	ow	*	p.bc.c.o	*	57	37	0.01
British Islands	Ardrossan ...	29.87	39	NNE	3	of	29.63	-.20	46	46	+ 10	SSW	4	om	4	of	*	46	35	0.17
	Malin Head ...	29.78	49	SE	1	om	29.59	-.18	48	47	+ 1	SW	4	bcm	2	o.om	*	51	46	0.09
	Belmullet ...	29.77	50	SSW	5	o	29.73	-.13	50	49	o	WSW	4	c	*	c.o	*	52	46	0.21
	Donaghadee ...	29.87	51	SW	2	o	†29.69	-.15	48	47	+ 2	WSW	2	bc	3	o	*	†51	43	0.09
	Liverpool (Bidston)	29.98	49	SW	2	c	29.80	-.10	46	44	- 2	SE	2	o	2	r.bc	*	55	40	0.02
	Holyhead ...	29.97	48	SSW	4	cm	29.77	-.16	48	48	o	SW	3	cpm	2	cm	*	51	45	0.08
	Parsonstown ...	29.85	51	SE	1	o	29.77	-.17	47	45	- 2	SW	1	o	*	bc.o	7.4	58	44	0.06
	Valencia ...	29.76	51	SSE	6	ogm	29.78	-.14	51	49	+ 2	SSW	3	cm	5	c.ogm	5.8	54	48	0.28
	Roche's Point ..	29.89	50	S	4	c	29.85	-.13	50	49	+ 1	WSW	4	c	4	c.p	*	52	48	0.20
	Pembroke (St. Ann's Hd.)	30.00	48	SW	5	bc	29.86	-.16	49	48	+ 1	WSW	6	ogm	5	bc	5.2	52	46	0.14
	Scilly	30.04	53	S	5	c	29.92	-.15	51	51	- 1	SSW	5	opm	4	bc.c	10.3	56	48	0.07
	Prawle Point ...	30.11	48	SW	3	c	29.98	-.15	49	48	+ 1	SW	4	cu	3	c	*	52	45	-
	Jersey (St. Anbin's)	30.15	50	S	3	b	30.08	-.11	46	45	o	S	3	bcm	3	b	*	53	40	-
	Hurst Castle ...	30.11	47	WSW	3	c	30.00	-.11	49	45	+ 1	SSW	4	om	3	cm	*	51	45	-
	Dungeness ...	30.06	47	WSW	4	o	30.05	+.02	48	47	+ 3	WSW	3	c	3	o	*	50	43	-
	North Foreland																*			
	London (Brixton) ...	30.06	52	SW	2	c	30.00	-.04	41	38	- 1	SSW	2	o	*	o.bc.b	0.1	55	38	-
	Oxford	30.08	48	SW	2	o	29.95	-.08	46	43	- 2	SSW	3	o	*	c.o	*	55	39	-
	Cambridge ...	30.04	51	SW	2	bc	29.97	.00	43	41	- 4	SSW	3	o	*	o.fx	0.9	56	34	-
	Yarmouth ...	29.94	51	W	3	o	29.96	+.10	46	43	+ 1	SW	3	c	3	o	*	51	35	0.02
Germany & Holland	Cuxhaven ...	29.80	38	WNW	5	o	30.06	+.23	34	33	+ 2	S	1	o	*	f.f.o	*	39	32	0.28
	Berlin	29.83	36	SW	5	o	30.08	-.10	35	33	+ 6	W	4	o	*	o	*	41	29	0.16
	Wiesbaden ...	*	*	*	*	*	30.20		39	37		SE	1	b	*	*	*	41	36	0.39
	Munich... ..	30.21	32	W	1	S	30.27	-.09	37	33	+ 12	SW	6	c	*	S	*	39	25	0.20
	The Helder ...	29.97	42	WNW	2	o	30.00	+.23	44	43	o	SW	2	b	1	o	*	45	36	0.04
Belgium.	Brussels ...	*	*	*	*	*									*		*			
	Cape Gris Nez...	?	46	W	5	m	?	?	42	39	- 3	SW	4	bc	4	m	*	48	37	-
	Paris	30.20	51	SW	3	b	30.21	-.08	34	29	- 1	SSE	2	b	*	b	*	57	29	-
	Brest	30.17	51	S	3	b	30.08	-.09	47	45	- 3	SE	4	c	4	b	*	52	46	0 04
	Lorient... ...																*			
France &	Rochefort ...	30.18	55	SSW	3	b	30.16	-.12	45	39	+ 9	S	4	b	*	b	*	66	34	-
	Belfort	30.29	41	W	5	c	30.35	-.04	40	31	+ 13	W	2	bc	*	c	*	45	27	-
	Lyons	30.32	49	SE	1	bc	30.36	-.07	34	29	+ 6	SSW	1	m	*	bc	*	57	28	-
	Nice	30.29	44	NW	2	b	30.32	-.03	41	37	+ 3	E	3	b	1	b	*	50	37	-
	Perpignan ...	30.32	54	NE	1	b	30.36	-.04	36	36	+ 4	SW	2	f	*	b	*	38	32	-
	Biarritz ...	30.19	68	S	3	b	30.18	-.05	56	41	+ 22	S	4	b	2	b	*	70	34	-
Peninsula	Corunna ...																*			
	Lisbon	30.19	58	SSE	2	b	30.26	+.10	52	50	+ 4	NE	4	b	*	b	*	63	48	-
	Azores (P. Delgada)	29.98	57	SSW	4	r	29.93	+.11	60	60	+ 4	SW	4	m	4	r	*	61	55	0.08

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

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

Bright Sunshine yesterday Southport 2.4 hrs;

WEATHER CHARTS

FOR Monday, 27th March, 1899.

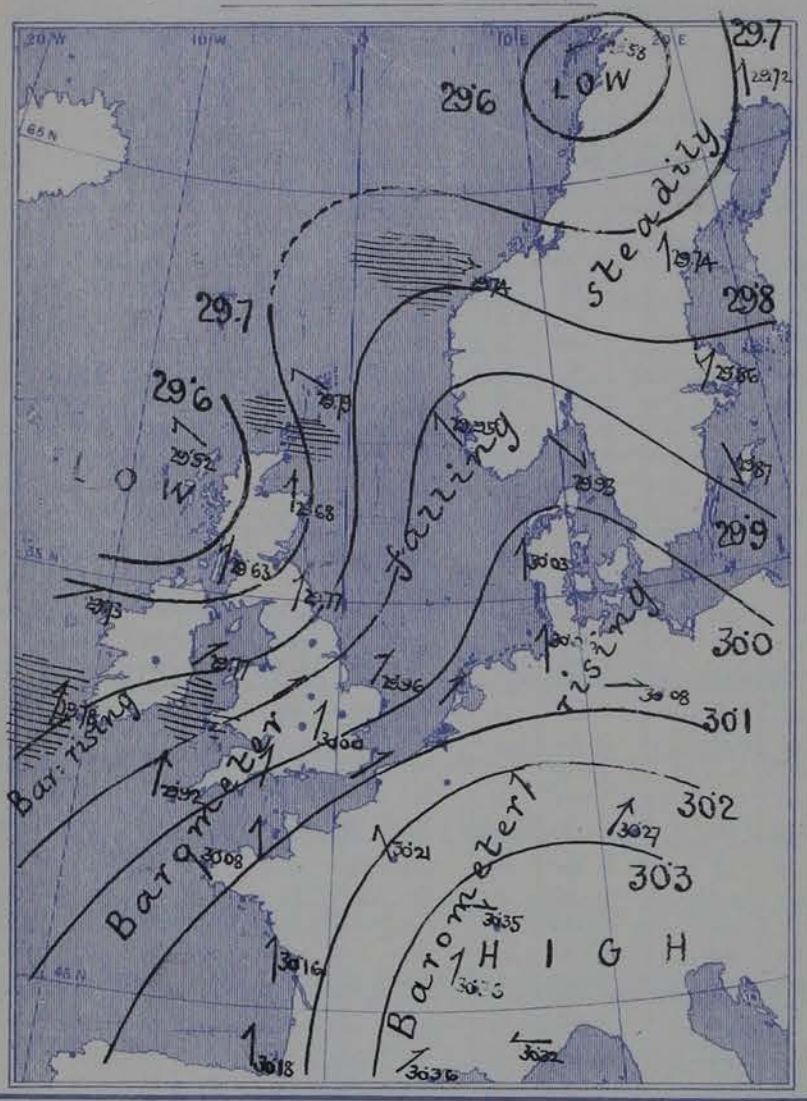
BAROMETER, WIND AND SEA.

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

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

Force above 10 ⟫⟶ ; Force 5 to 7 ⟶ ; } Calm ⊙
Force 8 to 10 ➤⟶ ; Force 1 to 4 ⟶ ; }

SEA—Rough ▤ ; High ▩

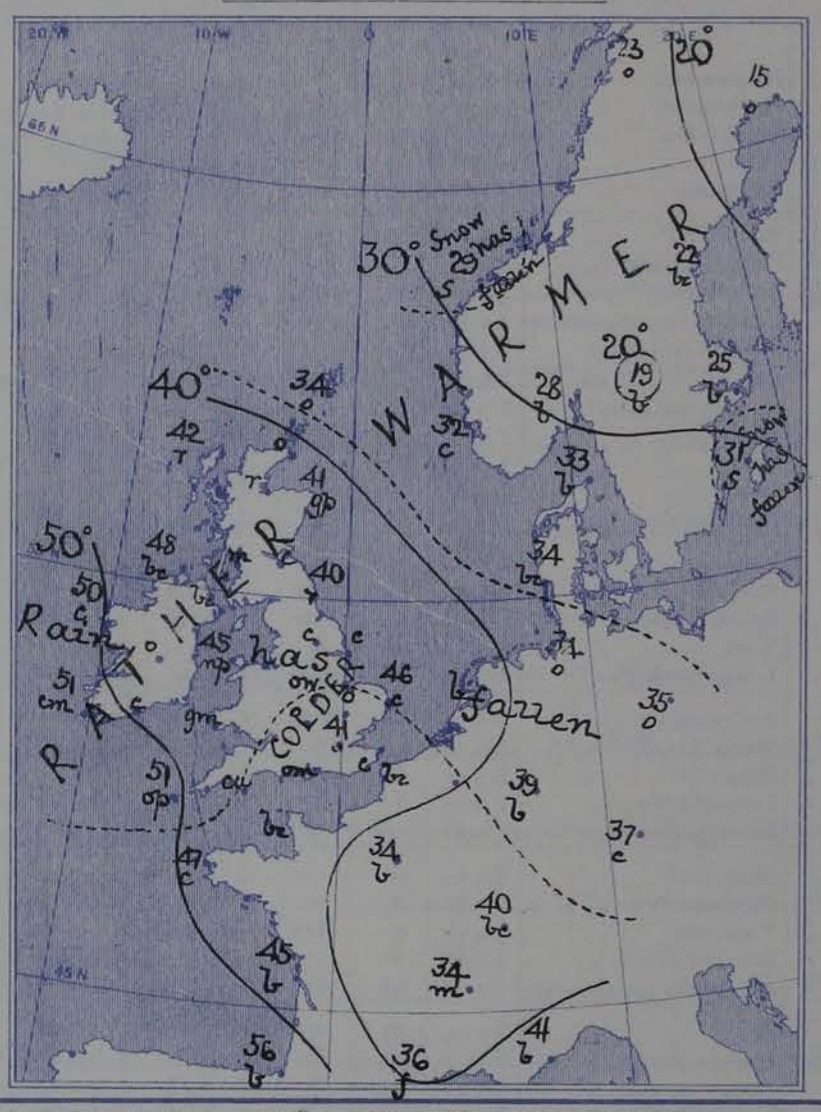


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF MARCH.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·737	38·5	37·0	42·8	34·0	57	1893	18	1879	2·75	—	—
Stornoway	29·772	39·2	38·2	44·9	34·2	58	1872	13	1881	3·70	103·3	29
Wick	29·781	38·9	37·2	44·9	33·8	62	1894	15	1891	1·99	—	—
Nairn	29·802	37·9	36·2	45·9	33·4	65	1884	6	1892	1.68	—	—
Aberdeen	29·821	38·6	36·5	45·7	34·3	66	1889, 91, 92	10	1889	2·23	124·0	34
Leith	29·849	39·3	37·6	48·0	34·4	68	1884	19	1879, 81, 89	1·41	—	—
Shields	29·873	39·3	37·7	46·2	34·8	64	1884, 93	15	1889	1·74	—	—
Spurn Head	29·891	39·7	38·3	44·8	36·4	62*	1890, 93	24*	1886	1·19	—	—
York	29·904	38·5	36·9	48·4	33·8	68	1884, 92, 93	8	1883	1·66	109·1	30
Loughborough	29·931	38·6	36·9	49·8	33·8	69*	1884, 93	15*	1883	1·54	—	—
Ardrossan	29·861	40·1	38·6	46·4	36·1	63	1884	18	1891	2·30	—	—
Malin Head	29·842	41·0	39·3	46·5	38·5	—	—	—	—	—	—	—
Belmullet	29·882	43·2	41·4	48·4	39·3	—	—	—	—	3·80	—	—
Donaghadee	29·883	40·7	39·5	47·3	37·1	65	1874	25	1892	1·97	—	—
Holyhead	29·906	42·0	40·5	47·4	38·8	67	1894	27	1881	2·20	—	—
Liverpool	29·911	40·2	38·1	47·2	36·7	66	1871	21	1886	1·67	—	—
Parsonstown	29·925	40·1	38·6	49·9	34·9	66	1894	18	1891	2·20	114·7	32
Valencia	29·929	44·8	42·8	51·0	40·3	64	1871, 94	27	1886, 91, 92	3·87	135·3	37
Roche's Point	29·930	43·3	41·5	49·7	39·5	60	1895	27	1890	3·38	—	—
Pembroke	29·930	42·1	40·4	46·6	39·0	58	1872	26	1888	2·26	139·9	38
Scilly	29·946	46·0	44·1	49·5	42·3	59	1893	30	1883, 90, 91	2·28	—	—
Prawle Point	29·960	42·7	41·2	48·2	37·7	62*	1893, 95	23*	1883, 88, 90	1·88	—	—
Jersey	29·965	44·0	41·9	49·7	39·8	66	1871, 93, 94	21	1890	2·24	160·2	44
Hurst Castle	29·955	41·0	39·9	47·9	37·1	62	1877	21	1887	1·78	—	—
Dover	29·936	40·6	39·2	46·5	36·6	59	1894	13	1890	1·74	—	—
LONDON	29·949	40·0	38·1	50·1	35·2	71	1871	15	1890	1·43	72·3†	20†
Oxford	29·951	38·7	37·2	49·3	34·5	67	1884, 93	15	1891	1·50	119·7	33
Cambridge	29·941	38·8	37·4	50·6	32·9	70	1893, 94	14	1889, 90	1·34	127·4	35
Yarmouth	29·916	40·1	38·5	45·2	35·3	62	1884, 89	18	1892	1·73	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest, 30·3 in: and upwards over the south of France; 30·2 in: and upwards in an anticyclone lying over nearly the whole of France and Germany.
Lowest, 29·6 in: and less, in two depressions, - one lying off the west of Scotland and the other over the northwest of Norway.
Gradients slight. Barometer falling in most parts of our Islands, but rising a little in the west of Ireland; falling in Scandinavia; rising in Denmark, Germany, and Central France

TEMPERATURE — Highest, (1) 56° at Biarritz, 52° at Lisbon and 45° at Rochefort; (2) 51° at Valencia (Ireland) and Scilly, and 50° at Rock in Kent.
Lowest, 15° at Haparanda, 19° at Karlstad, and 22° at Hernösand; lowest in our Islands 34° at Lumburgh Hd and 40° at Shields and York.
During yesterday the thermometer rose to between 50° and 55° in many parts of England and Ireland, to 57° at Loughborough and to 58° at Parsonstown.

WIND — Light to fresh from the S. or SW. over the greater part of our Islands, France, and the Netherlands, but SE. in the north of Scotland, W. to S. at most of the Scandinavian stations, but E. at Bodö.

WEATHER — Cloudy or dull over the United Kingdom as a whole, with rain at several of our northern stations and passing showers at Scilly; fine in the north of Ireland.
Fair or fine at most of the Continental stations, but snow falling at Christiansund and Ushy.
Rain fell yesterday in the west, north, and east of our Islands, and snow in Germany. A solar halo was seen at Oxford and a lunar halo in London.

SEA — Moderate or slight generally, but rough at Valencia (Ireland) and Pembroke, and also at Wick.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the west of Scotland seems likely to move northeastwards. At Valencia (Ireland) the wind is again backing to the S.ward so that further disturbances are probably approaching from the Atlantic.

FORECASTS

For the 24 hours ending at NOON on 28TH MARCH 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S. and SE. winds, moderate or fresh; changeable, some rain.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Same as No 5
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
▼ 5	ENGLAND SOUTH	S. and SW. winds, freshening; cloudy, some showers.
6	SCOTLAND WEST	S. and SW. winds, increasing in force; unsettled, rain at times.
▼ 7	ENGLAND N.W.	
▼ 8	ENGLAND S.W.	
▼ 9	IRELAND NORTH	
▼ 10	IRELAND SOUTH	
	WARNINGS	At 7·0 p.m. yesterday to districts 5 and 7 to 10 "Hoist South Cone"

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.91	38	32	SW	2	bc	1
Sumburgh Head							
Stornoway	29.87	41	38	ESE	4	0	4
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29.81	50	48	WSW	3	0	2
Belmullet	29.83	52	48	SSW	4	0	*
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia							
Scilly							
Jersey	30.21	51	47	SSW	4	b	3
Hurst Castle ...							
Dungeness ...	30.06	49	48	WSW	5	0	4
North Foreland							
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30.24	60	55	SSE	3	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 19TH TO THE 25TH MARCH 1899.

Over Europe as a whole the distribution of pressure was exceedingly complex. In the northwestern and northern countries the weather during the greater part of the week was influenced by secondary depressions appearing in the rear of the disturbance which passed southeastwards across northern Europe at the close of the preceding week. The larger and more important of these systems moved southwards or southeastwards across Scandinavia and the North Sea, while the smaller depressions passed down over our Islands, the weather in the northern and northwestern parts of Europe generally being very cold and wintry with varying winds from the N^ and frequent falls of snow. Over Great Britain the cold weather, if less severe, was more prolonged than anything experienced so late in the season for many years past.

Over southern Europe the weather was influenced by numerous depressions which formed mainly over northern Italy and the neighbouring parts of the Mediterranean. These disturbances produced in some cases heavy falls of rain, and very stormy winds from various quarters on the shore of the Mediterranean and Adriatic.

Towards the close of the week an important change set in over the northwestern countries. On the 24th an anticyclone advanced over our Islands from the westward, while in its rear a series of depressions began to appear off our western coasts. The latter occasioned a shift of wind to the S^ or SW^ over the whole of the United Kingdom, with a decided rise of temperature, and with rain in nearly all districts, preceded by snow in the northern parts of Great Britain.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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

for 8 a.m. on Tuesday 28th March, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of 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 Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	29.73	-5	E	2	b	29.78	+.06	15	15	0	SW	2	f	*	b	*	19	-5	—
	Hernösand ...	29.81	26	SW	2	b	29.87	+.07	16	15	-6	Z	0	b	*	b	*	37	9	—
	Stockholm ...	29.93	25	WSW	2	b	29.95	+.09	29	26	+4	S	2	b	*	b	*	37	19	—
	Wisby	29.98	32	S	4	b	29.99	+.12	32	31	+1	SSW	4	c	*	b	*	34	27	—
	Karlstad ...	29.89	31	SW	2	bc	29.85	-.01	30	29	+11	SE	2	s	*	bc	*	*	*	—
	Bodö	29.50	26	E	4	o	29.51	-.07	30	28	+7	S	4	o	2	o	*	30	21	—
	Christiansund ...	29.74	32	ESE	2	c	29.45	-.29	31	30	+2	ESE	3	s	4	c	*	32	28	0.04
	Skudesnaes ...	29.77	34	SE	4	c	29.59	-.36	40	39	+8	SSE	6	r	4	c	*	40	32	*
	Færder (Caristiania Fjord)	29.80	34	SW	3	o	29.77	-.14	33	33	+5	SE	4	m	2	o	*	36	28	—
	Skagen (The Scaw)	29.91	35	SSE	2	o	29.78	-.15	35	35	+2	S	2	f	0	o	*	37	33	—
	Fanö	29.82	38	SSW	2	r	29.87	-.16	40	39	+6	WSW	3	bc	*	r	*	41	34	0.51
	Sumburgh Head	29.46	41	SE	3	r	29.21	-.58	44	43	+10	W	3	o	6	r	*	44	34	0.42
	Stornoway ...	29.47	51	SW	3	o	29.33	-.19	49	46	+7	W	5	o	5	o	28	52	40	0.35
	Wick	29.52	48	SW	2	bc	29.33	-.28	49	47	+8	W	5	bc	3	bc	*	50	40	—
	Nairn	29.55	49	W	3	c	29.39	-.22	50	46	+8	W	3	o	2	c	*	54	39	0.06
	Aberdeen ...	29.61	45	W	2	bc	29.50	-.18	48	44	+7	WSW	1	c	1	c. bc	1.7	51	41	0.06
British Isles.	Leith	29.66	51	SSW	1	bc	29.57	-.07	51	46	+6	SW	3	m	*	bc	*	55	44	0.02
	Shields	29.74	52	W	2	c	29.68	-.09	51	49	+11	SW	4	c	2	r. om. c	*	55	39	0.01
	Spurn Head ...	29.80	47	W	3	bc	29.83	-.03	48	46	+7	SW	4	c	4	bc	*	54	41	0.01
	York	29.81	54	W	3	b	29.81	-.02	51	48	+11	S	3	c	*	op. b	2.8	57	39	0.01
	Loughborough ...	29.88	54	W	2	b	29.90	.00	48	45	+5	SW	5	c	*	op. bcq	*	58	43	0.01
	Ardrossan ...	29.66	48	SSW	3	cmp	29.61	-.02	48	48	+2	S	4	cmp	3	cmp	*	49	45	0.03
	Malin Head ...	29.58	52	SSW	4	cmg	29.50	-.09	49	49	+1	S	3	o	2	bc, cmg	*	54	46	0.10
	Belmullet ...	29.60	50	SW	7	rw	29.49	-.26	50	50	0	WSW	5	r	*	o. rw	*	54	48	0.20
	Donaghadee ...	29.78	56	SSW	3	c	29.67	-.02	50	46	+2	SW	4	o	3	c	*	58	49	0.04
	Liverpool (Bidston)	29.84	51	WSW	3	b	29.81	+.01	52	48	+6	SSW	1	c	3	p. b	*	55	46	0.05
	Holyhead ...	29.83	48	SW	5	cw	29.79	+.02	49	48	+1	SW	6	f	4	bcw, cw	*	53	46	—
	Parsonstown ...	29.76	55	S	1	o	29.63	-.14	52	50	+5	SE	2	o	*	b. o	5.1	59	46	0.02
	Valencia ...	29.76	53	S	5	og	29.57	-.21	52	51	+1	S	6	rw	6	ow. c. og	1.4	56	50	0.43
	Roche's Point ..	29.87	52	SW	6	o	29.71	-.14	50	50	0	SW	7	r	5	o. rw	*	54	49	0.06
	Pembroke (St. Ann's Hd.)	29.93	48	WSW	5	c	29.87	+.01	49	48	0	SW	6	ogq	5	c	5.0	50	48	—
	Scilly	30.00	52	SSW	4	o	29.95	+.03	51	50	0	SSW	5	o	4	b. o	5.8	58	49	—
	Prawle Point ...	30.03	50	WSW	3	o	30.07	+.09	49	48	0	WSW	4	cmp	4	ow	*	53	45	0.01
	Jersey (St. Aubin's)	30.08	54	W	3	bw	30.17	+.09	50	48	+4	SSW	4	bcw	3	op. bw	*	55	45	—
	Hurst Castle ...	30.00	48	WSW	4	bc	30.08	+.08	49	48	0	SW	3	ow	2	ow. bc	*	51	46	—
	Dungeness ...	29.98	48	WSW	4	o	30.09	+.04	47	46	-1	WSW	4	o	3	c. o	*	53	45	0.01
	North Foreland																*			
	London (Brixton) ...	29.98	52	SW	4	b	30.06	+.06	50	47	+9	SW	4	c	*	c. p. b	0.1	59	41	0.05
	Oxford	29.99	47	SW	3	b	30.01	+.06	48	46	+2	S	3	o	*	c. b	*	57	42	—
	Cambridge ...	29.92	50	W	1	bc	30.00	+.03	48	46	+5	SW	3	b	*	p. bc	0.9	57	40	0.10
	Yarmouth ...	29.89	51	WSW	4	c	29.90	.00	47	45	+1	SW	3	c	3	dp. c	*	52	40	0.04
Germany & Holland.	Cuxhaven ...	29.91	45	S	2	o	29.95	-.11	39	39	+5	SW	2	b	*	o	*	46	34	—
	Berlin	30.09	37	SSW	2	c	30.01	-.07	43	39	+8	W	3	c	*	c	*	43	35	—
	Wiesbaden ...	*	*	*	*	*	30.19	-.01	41	39	+2	SW	1	o	*	*	*	57	36	—
	Munich	30.21	44	W	4	b	30.23	-.04	43	37	+6	SW	5	bc	*	b	*	55	37	—
	The Helder ...	29.89	45	SW	3	o	29.98	-.02	44	43	0	SW	3	m	2	o	*	48	43	—
Belgium.	Brussels ...	*	*	*	*	*	30.18	+.03	47	45	+3	SSW	3	o	*	r	*	59	43	—
	Cape Gris Nez ...	?	47	W	5	a	?	?	47	45	+5	SW	4	o	4	o	*	54	39	—
	Paris	30.09	61	SW	2	b	30.25	+.04	48	46	+14	SSW	2	b	*	b	*	69	34	—
	Brest	29.98	53	SW	2	b	30.12	+.04	50	48	+3	S	3	b	4	b	*	54	46	—
	Lorient																*			
France &	Rochefort ...	30.20	55	NW	3	o	30.25	+.09	47	46	+2	S	2	o	*	o	*	64	43	—
	Belfort	30.17	55	W	2	bc	30.30	-.05	45	37	+5	W	3	o	*	bc	*	64	38	—
	Lyons	30.21	60	S	1	b	30.35	-.01	44	36	+10	SE	1	b	*	b	*	68	34	—
	Nice	30.33	47	SW	2	b	30.36	+.04	45	43	+4	E	1	c	2	b	*	59	39	—
	Perpignan ...	30.26	53	NE	2	b	30.31	+.01	41	41	+5	SW	2	b	*	b	*	55	36	—
	Biarritz ...	30.20	58	NNE	3	c	30.21	+.03	48	41	-8	ESE	4	b	3	c	*	68	45	—
Penin-sula.	Corunna ...																*			
	Lisbon	30.23	59	SW	2	bc	30.25	-.01	55	54	+6	S	2	o	*	bc	*	68	55	—
	Azores (P. Delgada)	30.00	60	S	4	o	29.90	-.03	60	59	0	S	5	o	6	o	*	64	59	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

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

Bright Sunshine yesterday Southport 6.7 hrs;

WEATHER CHARTS

FOR Tuesday, 28th March, 1899.

BAROMETER, WIND AND SEA.

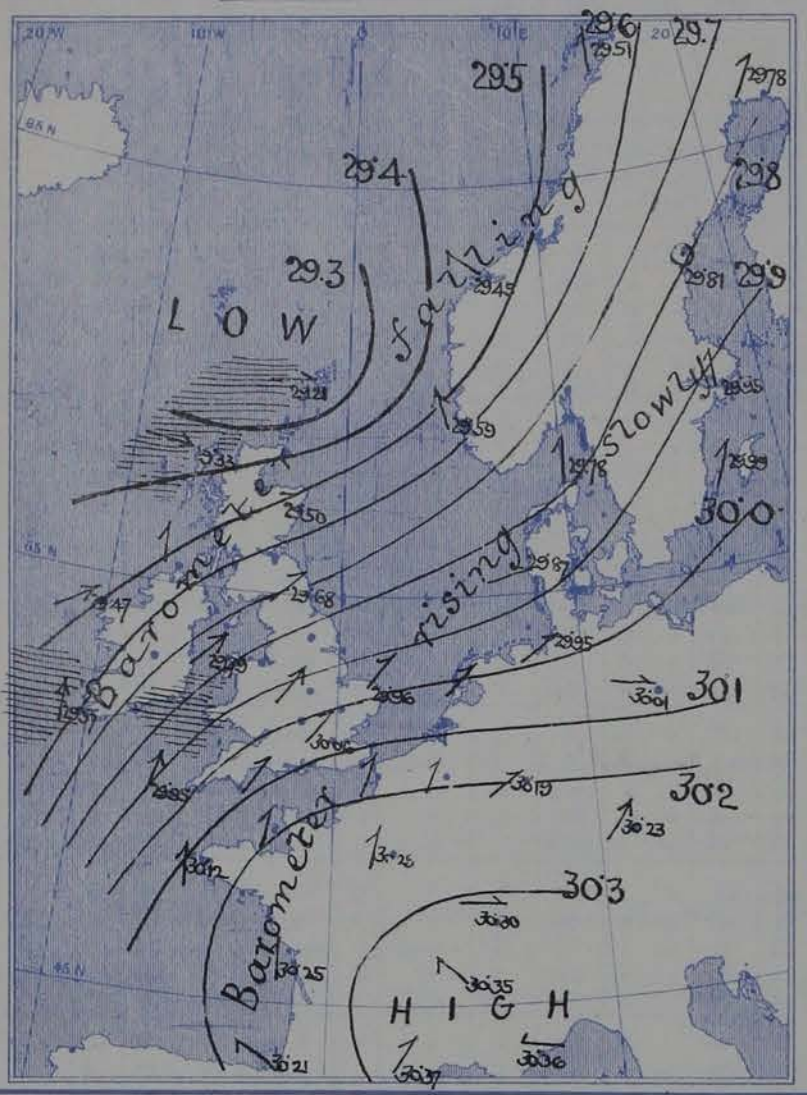
BAROMETER—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟶⟶ ; *Force 5 to 7* ⟶ ; } Calm ⊙

Force 8 to 10 ⟶ ; *Force 1 to 4* ⟶ ; }

SEA—Rough ▒ ; *High* ▓

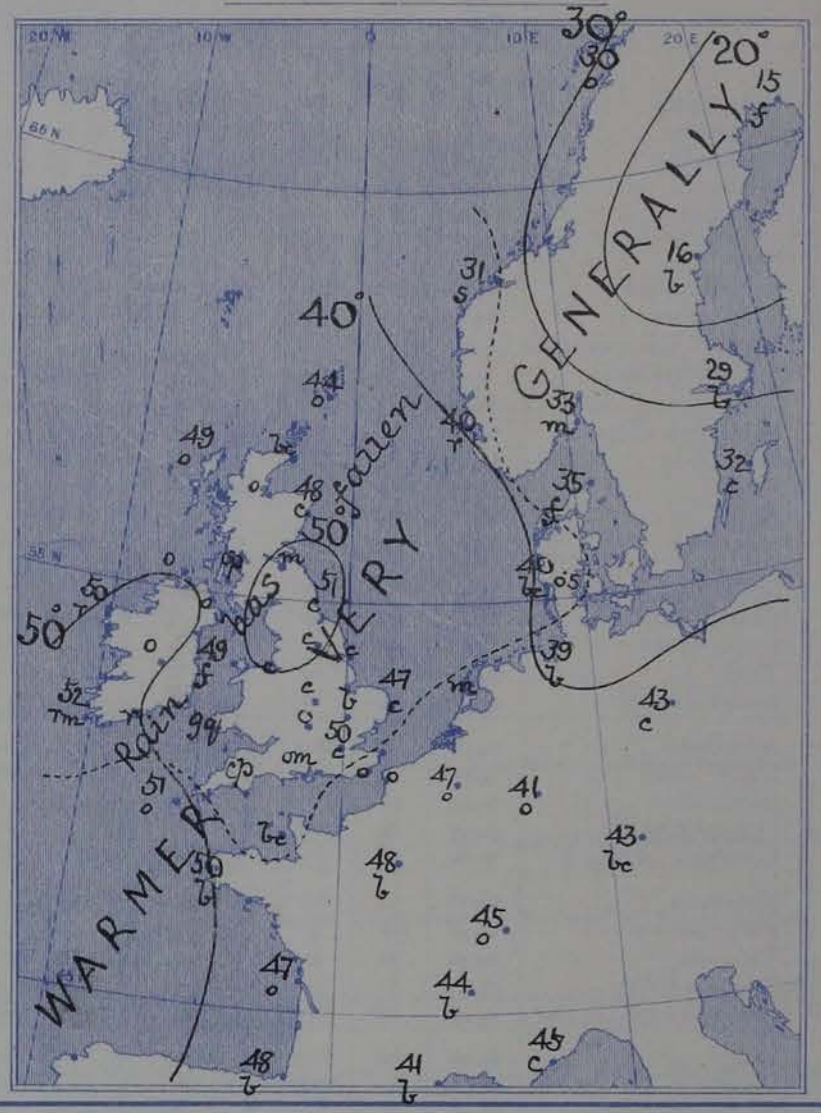


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF MARCH.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of Dry Bulb 8 a.m.	Means of Wet Bulb 8 a.m.	Means of Daily Maximum.	Means of Daily Minimum.	Absolute Extremes. Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·737	38·5	37·0	42·8	34·0	57	1893	18	1879	2·75	—	—
Stornoway	29·772	39·2	38·2	44·9	34·2	58	1872	13	1881	3·70	103·3	29
Wick	29·781	38·9	37·2	44·9	33·8	62	1894	15	1891	1·99	—	—
Nairn	29·802	37·9	36·2	45·9	33·4	65	1884	6	1892	1·68	—	—
Aberdeen	29·821	38·6	36·5	45·7	34·3	66	1889, 91, 92	10	1889	2·23	124·0	34
Leith	29·849	39·3	37·6	48·0	34·4	68	1884	19	1879, 81, 89	1·41	—	—
Shields	29·873	39·3	37·7	46·2	34·8	64	1884, 93	15	1889	1·74	—	—
Spurn Head	29·891	39·7	38·3	44·8	36·4	62*	1890, 93	24*	1886	1·19	—	—
York	29·904	38·5	36·9	48·4	33·8	68	1884, 92, 93	8	1883	1·66	109·1	30
Loughborough	29·931	38·6	36·9	49·8	33·8	69*	1884, 93	15*	1883	1·54	—	—
Ardrossan	29·861	40·1	38·6	46·4	36·1	63	1884	18	1891	2·30	—	—
Malin Head	29·842	41·0	39·3	46·5	38·5	—	—	—	—	—	—	—
Belmullet	29·882	43·2	41·4	48·4	39·3	—	—	—	—	3·80	—	—
Donaghadee	29·883	40·7	39·5	47·3	37·1	65	1874	25	1892	1·97	—	—
Holyhead	29·906	42·0	40·5	47·4	38·8	67	1894	27	1881	2·20	—	—
Liverpool	29·911	40·2	38·1	47·2	36·7	66	1871	21	1886	1·67	—	—
Parsonstown	29·925	40·1	38·6	49·9	34·9	66	1894	18	1891	2·20	114·7	32
Valencia	29·929	44·8	42·8	51·0	40·3	64	1871, 94	27	1886, 91, 92	3·87	135·3	37
Roche's Point	29·930	43·3	41·5	49·7	39·5	60	1895	27	1890	3·38	—	—
Pembroke	29·930	42·1	40·4	46·6	39·0	58	1872	26	1888	2·26	139·9	38
Scilly	29·946	46·0	44·1	49·5	42·3	59	1893	30	1883, 90, 91	2·28	—	—
Prawle Point	29·960	42·7	41·2	48·2	37·7	62*	1893, 95	23*	1883, 88, 90	1·88	—	—
Jersey	29·965	44·0	41·9	49·7	39·8	66	1871, 93, 94	21	1890	2·24	160·2	44
Hurst Castle	29·955	41·0	39·9	47·9	37·1	62	1877	21	1887	1·78	—	—
Dover	29·936	40·6	39·2	46·5	36·6	59	1894	13	1890	1·74	—	—
LONDON	29·949	40·0	38·1	50·1	35·2	71	1871	15	1890	1·43	72·3†	20†
Oxford	29·951	38·7	37·2	49·3	34·5	67	1884, 93	15	1891	1·50	119·7	33
Cambridge	29·941	38·8	37·4	50·6	32·9	70	1893, 94	14	1889, 90	1·34	127·4	35
Yarmouth	29·916	40·1	38·5	45·2	35·3	62	1884, 89	18	1892	1·73	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30·3 ins. and more to 30·2 ins. over France, and above 30·0 ins. over the Baltic.
Lowest 29·3 ins. and less over the Shetland Isles and their neighbourhood.
Gradients slight over France, rather steep over our Islands.
Barometer falling rather decidedly in the W. of Ireland, rising at present over England.

TEMPERATURE

Highest 52° at Valencia (Ireland), 51° to 50° on our S.W. coasts generally and at Brest 50° in London.
Lowest (1) 15° at Haparanda, 30° at Karlstad, 31° at Christiansund, 44° at Stamburgh Ht. & at Lyons.
The maxima recorded during yesterday were as high as 55° to 59° in many parts of England and at Nice, 69° at Pdris, 68° at Lyons and Biarritz.

WIND

S.W.ly (W.ly to S.ly) over our Islands generally, and though moderate at the eastern stations was blowing very strongly in the W. and N. of Ireland, and strongly at Holyhead.

WEATHER

Fair over the E.rn half of England, showery at many of our W.rn stations, but not very angry anywhere.
A little rain had fallen in showers at most of our N.rn and W.rn ports, but there have been bright intervals in most places. Bright sunshine exceeded 5 hours at Parsonstown, Pembroke and Scilly, but was only 0.1 hr. in London.

SEA

Rough on our extreme southwestern and northern coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A new depression is advancing from the S.W.nd and is likely to cause windy, showery weather generally.

FORECASTS

For the 24 hours ending at NOON on 29TH MARCH 1899.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S.W.ly and W.ly winds, increasing considerably in strength, (especially in the west); some showers, mild.
1 SCOTLAND EAST	
2 ENGLAND N.E.	
3 ENGLAND EAST	
4 MIDLAND COUNTIES	
▼ 5 ENGLAND SOUTH	
6 SCOTLAND WEST	S.W.ly and W.ly winds, increasing considerably in strength; (especially in the west); some showers, mild.
▼ 7 ENGLAND N.W.	
▼ 8 ENGLAND S.W.	
▼ 9 IRELAND NORTH	
▼ 10 IRELAND SOUTH	
WARNINGS	The South Cone is still flying in districts 5 and 7 to 10.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.90	37	33	SSE	4	c	2
Sumburgh Head	29.56	39	39	ESE	4	r	6
Stornoway	29.49	52	49	WSW	4	o	4
Aberdeen	29.58	48	45	SW	2	c	3
Shields	29.70	52	48	W	2	ow	2
Ardrossan	29.66	49	47	SSW	4	cmp	3
Malin Head ...	29.64	51	50	W	3	bc	2
Belmullet	29.69	52	50	SSW	5	o	*
Holyhead	29.83	53	50	SW	4	bc	3

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SE.
Valencia	29.80	56	53	S	5	cm	5
Scilly	29.98	57	55	SSW	4	b	4
Jersey	30.07	53	49	S	3	o	3
Hurst Castle ...	29.99	50	49	SW	4	om	3
Dungeness ...	29.97	50	48	SW	4	c	3
North Foreland							
London (Westminster)	29.94	57	52	SW	3	o	*
Yarmouth ...	29.88	51	48	SW	4	cdp	3
Rochefort ...	30.18	59	55	WSW	4	c	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine over the Mediterranean and France, changeable and unsettled over our Islands, with showers in places, dull and unsettled over the Nᵒʳⁿ parts of the Continent, with snow locally and cold rain. Further rain showers reported in many parts of our Islands, with intervals of bright weather.

Temperature risen over Wᵉʳⁿ Russia and central Europe and France. Morning readings highest 59° at Algiers, 54° at Barcelona and Toulon, 56° at Biarritz, 51° at Scilly and Valencia, 50° at Belmullet. Lowest (1) -2° at Archangel, +5° at Kuopio, 12° at Moscow, 19° at Helsingfors and Karlstadt; (2) 12° at Lemberg, 27° at Buda Pesth, (3) 34° both at Paris and Sumburgh Hd. Rising later to between 55° and 59° over many parts of Ireland and England, to 69° at Paris, and 68° at Lyons and Biarritz.

Wind variable both in direction and force; (1) light over southern and central Europe and over Russia; moderate to fresh, and gusty, over our Islands – from between SW. and SE. in direction; (3) NWˡʸ in the south of Sweden, and NWʳᵈ Germany. Becoming Wˡʸ to SWˡʸ all over our Islands later and inclined to freshen at our western and southwestern ports.

Barometer highest 30.4 ins. and more to 30.3 ins over the Mediterranean, with Italy Spain and the S. of France, and exceeding 30.0 ins. over Holstein; and also over the N. of Russia. Lowest (1) 29.6 ins. and less off our own NW. coasts, and over Finmark and below 29.9 ins. in a "V" shaped depression over the Baltic. Very little change in our Islands later.

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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N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France: at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 29th March, 1899.

Issued by the Meteorological Office, 63. Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of 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 Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.74	26	S	4	0	29.49	-.29	29	29	+14	SSE	4	S	*	c	*	29	9	0.04
	Hernösand ...	29.58	33	E	8	S	29.44	-.37	35	34	+19	S	4		*	s	*	35	10	0.04
	Stockholm ...	29.77	35	S	2	0	29.59	-.36	41	?	+12	SSW	4		*	0	*	41	21	0.12
	Wisby	29.91	37	SSW	4	0	29.74	-.25	40	39	+8	SSW	6		*	0	*	40	25	0.08
	Karlstad ...	29.68	41	S	5	f	29.41	-.44	39	39	+9	S	2	0	*	f.r	*	*	*	0.20
	Bodö	29.39	32	S	1	0	29.32	-.19	29	27	-1	E	2	b	1	0	*	32	25	-
	Christiansund ...	29.25	39	ESE	2	r	29.08	-.37	39	38	+8	ESE	1	r	3	r	*	43	28	0.08
	Skudesnaes ...	29.51	42	S	6	r	29.09	-.50	42	41	+2	S	6		5	bc.r	*	43	32	*
	Færder (Christiania Fjord)	29.61	39	SSW	5	f	29.30	-.47	40	39	+7	SSW	4		3	f	*	40	33	0.24
	Skagen (The Scaw)	29.73	39	SW	3	m	29.42	-.36	43	42	+8	SW	4		1	m	*	43	35	0.28
	Fanö	29.83	41	WSW	4	0	29.59	-.28	43	42	+3	SW	4	b	*	0	*	45	39	-
British Isles	Sumburgh Head	29.23	45	W	3	0	29.12	-.09	43	42	-1	N	4	0	5	b.o	*	49	41	0.40
	Stornoway ...	29.08	47	SE	3	r	29.38	-.05	46	45	-3	N	3	r	3	or	0.1	51	42	1.00
	Wick	29.21	45	W	4	0	29.24	-.09	45	44	-4	N	3	0	2	or	*	52	40	0.50
	Nairn	29.12	51	W	1	c	29.28	-.11	45	45	-5	NW	2	r	2	c	*	55	43	0.15
	Aberdeen ...	29.26	46	S	5	ogrq	29.21	-.29	47	45	-1	WNW	1	cgqp	4	oq.qr	0.0	52	44	0.09
	Leith	29.31	50	SSW	2	r	29.34	-.23	51	47	0	WSW	5	0	*	r	*	57	47	0.20
	Shields	29.42	53	SW	5	c	29.46	-.22	50	47	-1	WSW	6	c	2	o.p.r	*	57	48	0.01
	Spurn Head ...	29.65	50	SSW	5	0	29.63	-.20	49	46	+1	WSW	6	b	5	c.o	*	55	47	-
	York	29.63	54	S	4	0	29.62	-.19	51	47	0	WSW	4	bq	*	c. o	o.4	58	46	0.07
	Loughborough ...	29.71	54	S	6	0	29.76	-.11	51	47	+3	WSW	6	bq	*	cq.oqp	.+	57	48	0.03
	Ardrossan ...	29.24	48	S	6	rm	29.51	-.1	51	50	+3	W	4	qp	4	rm	*	51	46	0.56
	Malin Head ...	29.01	50	SSW	7	c	29.54	+.04	48	46	-1	WSW	6	cqr	4	r.c	*	52	46	0.26
	Belmullet ...	29.14	49	WSW	7	oqqp	29.81	+.34	51	46	+1	W	5	o	*	r.qp	*	52	46	0.45
	Donaghadee ...	29.28	49	WSW	6	r	29.62	-.05	49	47	-1	W	4	c	4	r	*	?51	48	0.34
	Liverpool (Bidston)	29.57	50	S	5	r	29.73	-.08	50	46	-2	WSW	4	o	6	p	*	55	48	0.01
	Holyhead ...	29.51	49	SW	8	qa	29.79	.00	50	47	+1	WSW	4	c	4	rgm.qa	*	50	47	0.28
	Parsonstown ...	29.39	53	SE	3	c	29.84	+.21	50	47	-2	SW	1	o	*	cqp	0.6	55	48	0.34
	Valencia ...	29.50	52	SW	8	ogm	29.96	+.39	52	48	0	WSW	6	o	6	om	1.8	55	49	0.32
	Roche's Point ..	29.57	52	WSW	7	bc	29.93	+.22	51	48	+1	W	4	bc	4	rq.bc	*	53	49	0.48
	Pembroke (St Ann's Hd.)	29.67	50	SW	7	r	29.94	+.07	49	48	0	W	6	b	5	or	0.0	50	49	0.16
	Scilly	29.82	53	SSW	7	m	30.06	+.11	52	51	+1	W	6	o	5	c.om	2.0	55	50	-
	Prawle Point ...	29.90	50	SSW	6	r	30.06	-.01	50	49	+1	W	5	b	4	rqm	*	52	43	0.07
	Jersey (St. Aubin's)	30.06	56	SSW	5	cq	30.15	-.02	53	51	+3	WSW	5	bm	4	cg.p	*	61	49	0.02
	Hurst Castle ...	29.95	52	SW	5	o	30.01	-.07	49	48	0	WSW	4	cm	3	cm.p	*	52	48	0.08
	Dungeness ...	30.00	50	SSW	4	o	29.93	-.16	50	49	+3	WSW	6	bc	5	o	*	51	47	0.01
	North Foreland																*			
	London (Brixton) ...	29.91	55	SW	3	o	29.91	-.15	54	48	+4	W	6	bc	*	o.cq	0.4	56	50	-
	Oxford	29.81	52	SSW	8	o	29.92	-.09	52	48	+4	WSW	5	o	*	oqp	*	56	48	0.02
	Cambridge ...	29.83	54	SSW	5	o	29.78	-.22	53	49	+5	SW	6	b	*	c.oq	2.9	57	46	-
	Yarmouth ...	29.85	50	SSW	4	c	29.74	-.22	54	49	+7	SW	6	bcq	4	bc.c	*	56	46	-
Germany & Holland	Cuxhaven ...	30.02	46	SW	2	c	29.74	-.21	49	48	+10	SW	5	c	*	c	*	50	39	-
	Berlin	30.15	48	W	0	c	30.01	.00	44	42	+1	SW	2	c	*	c	*	55	39	-
	Wiesbaden ...	*	*	*	*	*	30.13	-.06	43	41	+2	SW	1	bc	*	*	*	59	37	-
	Munich	30.30	46	W	0	b	30.30	+.07	44	39	+1	SW	4	c	*	b	*	59	37	-
	The Helder ...	29.93	47	SW	5	o	29.75	-.23	47	45	+3	SW	5	o	3	o	*	50	43	-
Belgium. France &	Brussels ...	*	*	*	*	*	30.01	-.17	53	49	+6	SW	5	o	*	o	*	58	46	-
	Cape Gris Nez ...	?	50	SW	5	o	?	?	47	46	0	W	6	o	6	o	*	50	45	-
	Paris														*		*			
	Brest																*			
	Lorient ...	30.13	52	SW	4	b	30.20		52	52		WSW	4	f	5	b	*	57	50	-
	Rochefort ...	30.16	63	W	2	c	30.24	-.01	53	50	+6	W	3	o	*	bc.c	*	75	45	-
	Belfort ...														*		*			
	Lyons ...	30.28	60	SW	1	b	30.34	-.01	46	42	+2	SSE	1	bc	*	b	*	69	43	-
	Nice																*			
	Perpignan ...														*		*			
	Biarritz ...	30.14	64	NNE	3	c	30.33	+.12	55	48	+7	SW	3	o	3	bc	*	73	48	-
Peninsula.	Corunna ...																*			
	Lisbon	30.32	57	NNW	3	b	30.37	+.12	57	53	-1	NNE	3	b	*	b	*	68	52	-
	Azores (P. Delgada)	30.00	60	SW	4	bc	30.04	+.14	61	60	+1	S	5	o	6	bc	*	63	59	0.04

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page*

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

Bright Sunshine yesterday Southport 0.0 hrs;

WEATHER CHARTS

FOR Wednesday, 29th March, 1899.

BAROMETER, WIND AND SEA.

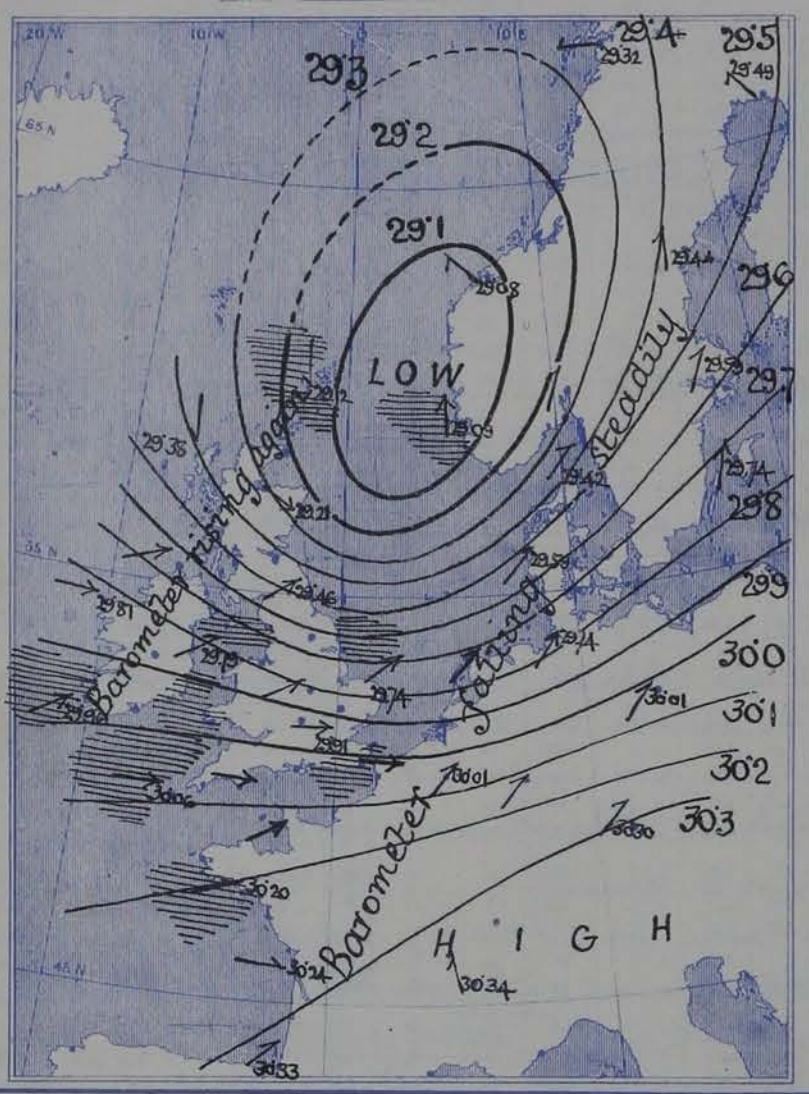
BAROMETER—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟫⟶ ; *Force 5 to 7* ⟶ ; } Calm ⊙

Force 8 to 10 ⟫⟶ ; *Force 1 to 4* ⟶ ; }

SEA—*Rough* ▤ ; *High* ▩

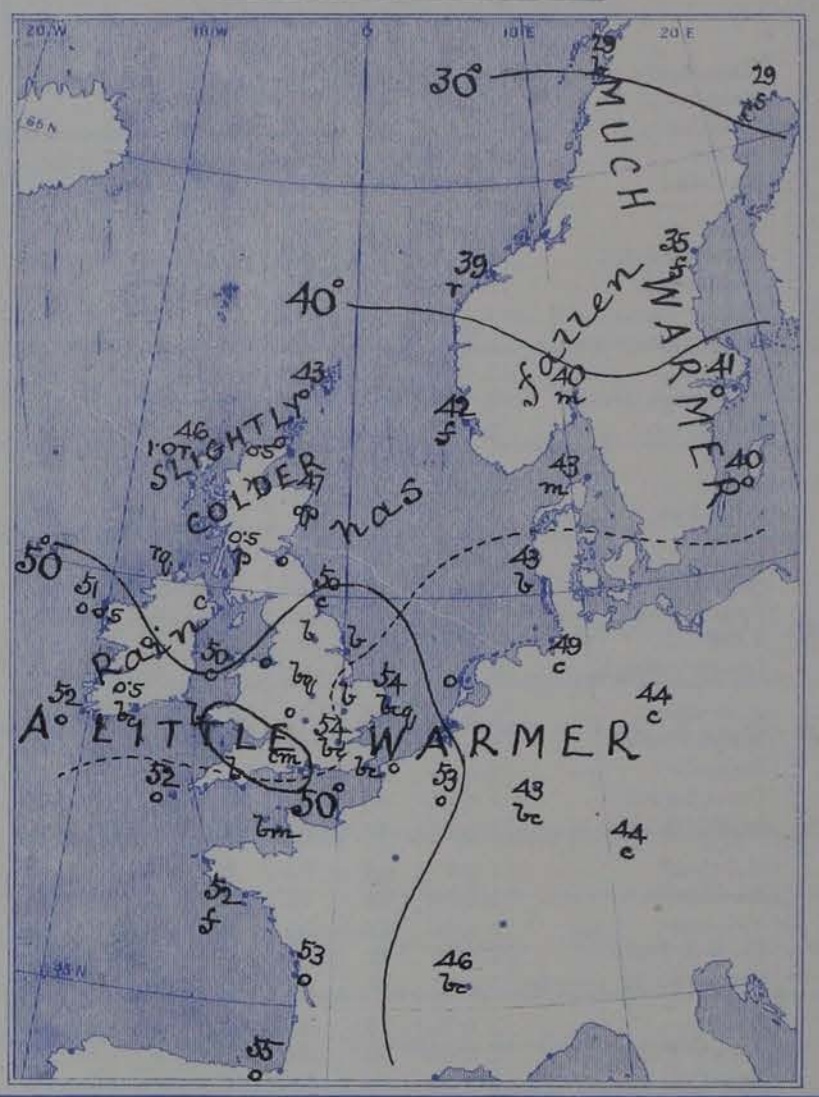


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF MARCH.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 737	38 · 5	37 · 0	42 · 8	34 · 0	57	1893	18	1879	2 · 75	—	—
Stornoway	29 · 772	39 · 2	38 · 2	44 · 9	34 · 2	58	1872	13	1881	3 · 70	103 · 3	29
Wick	29 · 781	38 · 9	37 · 2	44 · 9	33 · 8	62	1894	15	1891	1 · 99	—	—
Nairn	29 · 802	37 · 9	36 · 2	45 · 9	33 · 4	65	1884	6	1892	1 . 68	—	—
Aberdeen	29 · 821	38 · 6	36 · 5	45 · 7	34 · 3	66	1889, 91, 92	10	1889	2 · 23	124 · 0	34
Leith	29 · 849	39 · 3	37 · 6	48 · 0	34 · 4	68	1884	19	1879, 81, 89	1 · 41	—	—
Shields	29 · 873	39 · 3	37 · 7	46 · 2	34 · 8	64	1884, 93	15	1889	1 · 74	—	—
Spurn Head	29 · 891	39 · 7	38 · 3	44 · 8	36 · 4	62*	1890, 93	24*	1886	1 · 19	—	—
York	29 · 904	38 · 5	36 · 9	48 · 4	33 · 8	68	1884, 92, 93	8	1883	1 · 66	109 · 1	30
Loughborough	29 · 931	38 · 6	36 · 9	49 · 8	33 · 8	69*	1884, 93	15*	1883	1 · 54	—	—
Ardrossan	29 · 861	40 · 1	38 · 6	46 · 4	36 · 1	63	1884	18	1891	2 · 30	—	—
Malin Head	29 · 842	41 · 0	39 · 3	46 · 5	38 · 5	—	—	—	—	—	—	—
Belmullet	29 · 882	43 · 2	41 · 4	48 · 4	39 · 3	—	—	—	—	3 · 80	—	—
Donaghadee	29 · 883	40 · 7	39 · 5	47 · 3	37 · 1	65	1874	25	1892	1 · 97	—	—
Holyhead	29 · 906	42 · 0	40 · 5	47 · 4	38 · 8	67	1894	27	1881	2 · 20	—	—
Liverpool	29 · 911	40 · 2	38 · 1	47 · 2	36 · 7	66	1871	21	1886	1 · 67	—	—
Parsonstown	29 · 925	40 · 1	38 6	49 · 9	34 · 9	66	1894	18	1891	2 · 20	114 · 7	32
Valencia	29 · 929	44 · 8	42 · 8	51 · 0	40 · 3	64	1871, 94	27	1886, 91, 92	3 · 87	135 · 3	37
Roche's Point	29 · 930	43 · 3	41 · 5	49 · 7	39 · 5	60	1895	27	1890	3 · 38	—	—
Pembroke	29 · 930	42 · 1	40 · 4	46 · 6	39 · 0	58	1872	26	1888	2 · 26	139 · 9	38
Scilly	29 · 946	46 · 0	44 · 1	49 · 5	42 · 3	59	1893	30	1883, 90, 91	2 · 28	—	—
Prawle Point	29 · 960	42 · 7	41 · 2	48 · 2	37 · 7	62*	1893, 95	23*	1883, 88, 90	1 · 88	—	—
Jersey	29 · 965	44 · 0	41 · 9	49 · 7	39 · 8	66	1871, 93, 94	21	1890	2 · 24	160 · 2	44
Hurst Castle	29 · 955	41 · 0	39 · 9	47 · 9	37 · 1	62	1877	21	1887	1 · 78	—	—
Dover	29 · 936	40 · 6	39 · 2	46 · 5	36 · 6	59	1894	13	1890	1 · 74	—	—
LONDON	29 · 949	40 · 0	38 · 1	50 · 1	35 · 2	71	1871	15	1890	1 · 43	72 · 3†	20†
Oxford	29 · 951	38 · 7	37 · 2	49 · 3	34 · 5	67	1884, 93	15	1891	1 · 50	119 · 7	33
Cambridge	29 · 941	38 · 8	37 · 4	50 · 6	32 · 9	70	1893, 94	14	1889, 90	1 · 34	127 · 4	35
Yarmouth	29 · 916	40 · 1	38 · 5	45 · 2	35 · 3	62	1884, 89	18	1892	1 · 73	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 ins: and more at the French stations
Lowest, 29·1 ins: and less, in a well marked depression lying over and off the west of Norway.
Gradients steep over our Islands and the North Sea.
Barometer has been rising quickly in the west and northwest since the central area of the depression passed to the eastward

TEMPERATURE

Highest, 55° at Biarritz, 54° in London, 51° at Oxford, Scilly, and Valencia.
Lowest, 29° at Bodö and Haparanda, 35° at Hernösand, 45° to 47° over the northern parts of Scotland
It has risen greatly over Sweden since yesterday morning, but has begun to fall somewhat in Scotland during the night, and this latter change is apparently spreading to the southward.

WIND

(1) W[3] and WSW[3] over England, where it is blowing a strong and squally breeze; SW[1] fresh on the eastern shores of the North Sea; SE[1] over the northern parts of Scandinavia.
(2) In Ireland (where it blew hard from SW last night) it is moderating from the W[ly] and is inclined to back again.

WEATHER

Changeable, squally, and showery, over Great Britain, but has improved somewhat in Ireland.
Rain has fallen at all but our southeastern and the French stations; at Stornoway and Aberdeen the amounts were considerable.
There was very little Bright Sunshine over our Islands yesterday; about 3 hrs at Cambridge, 2 hrs at Scilly and Valencia.

SEA

Rough in the west and northwest and at several southern stations.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A temporary clearance of the weather over England is probable and a fall of temperature, but unsettled windy weather is still expected – first at our western stations.

FORECASTS

For the 24 hours ending at NOON on 30TH MARCH 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW[1] to SW[1] breezes, moderating; some local showers, then fair.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	W[1] winds, moderate; fair; – then SW[1] and freshening again with showers.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos 0 to 2
7	ENGLAND N.W.	W[1] to S[1] winds, becoming strong again; changeable, showery.
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	NONE ISSUED AT PRESENT.

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.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29·56	43	42	SSW	6	bc	4	Valencia	29·40	55	53	S	1	om	6
Sumburgh Head	29·25	48	47	W	4	b	6	Scilly	29·86	54	52	S	6	om	4
Stornoway	29·29	50	47	SW	4	o	4	Jersey	30·11	58	53	SSW	4	c	3
Aberdeen	29·43	45	41	E	2	og	2	Hurst Castle ...	30·02	52	50	SW	4	om	3
Shields	29·64	55	50	SW	4	o	2	Dungeness ...	30·06	49	49	SW	4	o	3
Ardrossan	29·40	48	48	S	6	rm	4	North Foreland							
Malin Head ...	29·23	51	50	S	5	r	3	London (Westminster)	29·98	55	50	SW	4	o	
Belmullet	29·21	51	51	SSW	7	r	*	Yarmouth ...	29·92	56	51	SW	4	bc	*
Holyhead	29·64	49	49	SW	8	rqm	6	Rochefort ...	30·20	71	60	SE	2	bc	#

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine over the Mediterranean, France, and the southeastern parts of England, fair over Germany; unsettled, squally, and showery in the west and north of our Islands and the west of Norway. Rain falling later over all the western and northern parts of our Islands – in considerable quantity at some of our northwestern ports, but fair over France and Germany.

Temperature risen somewhat over our Islands & their neighbourhood, briskly over France. Morning readings highest 68° at Algiers, 57° at Barcelona, 54° at Lisbon; 52° at Valencia, 51° at Scilly, 50° at London, at Rockall Point, Douglas Isle and Nairn. Lowest −5° at Archangel, +7° at Moscow, 13° at Kuopio, 18° at Kieff, 28° at Vienna, 30° at Breslau. Rising later to 51° at Jersey, 59° at Munich and Wiesbaden, 58° at York and to 55° and more in many parts of Great Britain: to 73° at Biarritz.

Wind very light and variable over southern, southeastern and eastern Europe; SW' and strong over the western and northern parts of our Islands. SW' moderate in the southeast and east; S' to SE' over Scandinavia. Rising later to a strong squally breeze or a slight gale from SW. and W over the United Kingdom; continuing light over the southern and eastern countries.

Barometer highest 30·4 in: and more over Italy, Sardinia, Sicily, and the adjoining part of the Mediterranean, and exceeding 30·2 in: over the southern half of Europe generally. Lowest 29·3 in: and less in a depression off our northern coasts, and below 29·6 in: at Valencia (Ireland). A new depression advancing eastnortheastwards over Scotland later, and a recovery of pressure occurring at our western stations.

NOTICE. Owing to the operation of the Factory Act the Daily Weather Report will not be issued after Thursday till Tuesday next. Tuesday's and Monday's reports will be issued on Tuesday, and Friday's to Sunday's reports on the next day.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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

DAILY WEATHER REPORT

for 8 a.m. on Thursday 30th March, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	29.32	33	S	2	s	29.30	− .19	34	34	+ 5	SW	2	s	*	s	*	34	23	0.32
	Hernösand ...	29.27	36	S	4	r	29.43	− .01	34	30	− 1	W	4	bc	*	r	*	36	30	0.28
	Stockholm ...	29.40	42	S	2	o	29.42	− .17	39	39	− 2	S	6	r	*	o	*	46	34	0.28
	Wisby	29.52	40	SSW	8	c	29.47	− .27	39	38	− 1	SW	4	f	*	c	*	41	34	0.32
	Karlstad ...	29.28	39	SW	2	r	29.56	+ .15	37	33	− 2	N	4	c	*	r	*	*	*	0.12
	Bodö	29.33	33	E	2	o	29.43	+ .11	31	28	+ 2	S	2	b	1	o	*	36	27	—
	Christiansund ...	29.48	37	ESE	4	s	29.63	+ .35	31	30	− 8	WNW	8	s	6	s	*	39	30	0.12
	Skudesnaes ...	29.47	40	NNW	8	o	29.88	+ .79	35	32	− 7	NNW	8	c	4	o	*	43	34	*
	Færder (Christiania Fjord)	29.28	38	SW	1	m	29.62	+ .32	38	35	− 2	NNE	2	c	4	m	*	41	36	0.16
	Skagen (The Scaw)	29.34	42	WSW	3	f	29.63	+ .21	40	39	− 3	NNW	2	c	0	f	*	45	39	0.08
	Fanö	29.69	42	WSW	5	c	29.83	+ .24	41	39	− 2	WNW	4	bc	*	c	*	45	39	—
British Isles.	Sumburgh Head	29.65	37	NW	3	o	30.04	+ .92	36	34	− 7	NW	5	bc	5	c.o	*	44	30	0.01
	Stornoway ...	29.63	43	E	2	r	30.20	+ .82	36	34	− 10	N	2	c	2	r	0.0	46	32	0.85
	Wick	29.70	40	N	2	r	30.14	+ .90	40	38	− 5	N	3	bc	2	r	*	46	33	0.18
	Nairn	29.67	43	E	1	o	30.18	+ .90	38	35	− 7	E	1	c	1	o	*	48	35	0.64
	Aberdeen ...	29.71	45	N	2	cp	30.18	+ .97	38	35	− 9	NW	3	c	3	c.rsp	0.7	50	36	0.33
	Leith	29.75	51	W	3	bc	30.15	+ .81	40	39	− 11	ENE	3	o	*	bc	*	58	39	0.07
	Shields	29.83	51	W	4	bc	30.05	+ .59	47	45	− 3	WSW	3	o	2	c.p.bc	*	57	43	—
	Spurn Head ...	29.93	49	W	5	c	30.11	+ .48	46	44	− 3	W	4	c	4	c	*	53	43	—
	York	29.93	54	W	4	b	30.18	+ .56	48	45	− 3	W	2	o	*	b	?	57	44	—
	Loughborough ...	30.02	54	WNW	4	c	30.18	+ .42	48	45	− 3	W	2	cw	*	bcq.cq	*	60	45	—
	Ardrossan ...	29.85	49	W	5	cm	30.16	+ .65	45	44	− 6	NW	3	o	2	bcm.cm	*	53	43	0.01
	Malin Head ...	29.83	48	WSW	5	bcm	30.18	+ .64	44	42	− 4	N	3	opm	2	bc	*	50	43	0.01
	Belmullet ...	30.00	50	W	5	c	30.21	+ .40	49	47	− 2	NW	3	o	*	c	*	53	45	0.01
	Donaghadee ...	29.92	51	WNW	4	bc	30.18	+ .56	47	45	− 2	WNW	2	b	3	bc	*	?54	46	—
	Liverpool (Bidston)	29.99	51	WSW	6	bc	30.18	+ .45	49	48	− 1	WSW	5	b	5	bc	*	55	45	—
	Holyhead ...	30.03	50	SW	4	c	30.22	+ .43	49	46	− 1	W	3	bc	2	c	*	53	46	—
	Parsonstown ...	30.07	50	W	1	c	30.25	+ .41	47	46	− 3	SE	1	r	*	c	1.6	55	46	—
	Valencia ...	30.15	52	WSW	3	cm	30.23	+ .27	50	49	− 2	L	0	rf	4	o.cm	0.4	55	48	0.16
	Roche's Point ..	30.13	53	W	4	c	30.27	+ .34	50	50	− 1	S	2	rm	3	c	*	56	49	0.06
	Pembroke (St. Ann's Hd.)	30.13	49	W	5	o	30.26	+ .32	48	47	− 1	NW	3	rg	4	o	2.5	50	48	0.04
	Scilly '	30.24	53	WSW	3	c	30.29	+ .23	51	51	− 1	W	4	f	5	c	4.7	57	50	0.02
	Prawle Point ...	30.22	49	WSW	4	c	30.29	+ .23	50	50	0	WSW	2	m	2	c	*	55	47	0.04
	Jersey (St. Aubin's)	30.27	53	WSW	5	bcm	30.34	+ .19	51	51	− 2	WSW	4	cm	3	bcm	*	57	49	0.02
	Hurst Castle ...	30.17	49	SW	4	cm	30.27	+ .26	48	47	− 1	WSW	3	ow	2	cm, om	*	53	47	—
	Dungeness ...	30.09	48	WSW	6	c	30.23	+ .30	43	42	− 7	W	3	c	3	c	*	53	43	—
	North Foreland																*			
	London (Brixton) ...	30.10	54	W	4	bc	30.24	+ .33	49	46	− 5	WNW	2	o	*	c.b	6.0	60	45	—
	Oxford	30.13	50	WSW	4	o	30.24	+ .32	47	46	− 5	WSW	3	o	*	cq.o	*	59	44	—
	Cambridge ...	30.05	56	W	3	o	30.21	+ .43	51	47	− 2	W	2	bw	*	oq	8.9	63	43	—
	Yarmouth ...	29.95	55	W	4	bc	30.11	+ .37	49	45	− 5	WNW	4	bc	3	c.bc	*	58	44	—
Germany & Holland.	Cuxhaven ...	29.78	49	WSW	7	o	29.91	+ .17	43	42	− 6	W	4	o	*	o	*	52	43	—
	Berlin	29.94	52	W	4	o	29.89	− .12	48	45	+ 4	W	4	r	*	o	*	59	44	0.08
	Wiesbaden ...	*	*	*	*	*	30.18	+ .05	49	46	+ 6	W	1	o	*	*	*	63	43	—
	Munich... ..	30.19	56	SW	6	c	30.22	− .08	50	46	+ 6	W	7	o	*	c	*	63	43	—
	The Helder ...	29.94	45	WSW	3	b	30.05	+ .30	46	44	− 1	W	3	b	3	b	*	50	45	—
Belgium.	Brussels ...	*	*	*	*	*	30.22	+ .21	45	44	− 8	WSW	2	o	*	b	*	59	41	—
	Cape Gris Nez...	?	48	W	6	m	?	?	46	45	− 1	WNW	4	o	5	m	*	52	43	—
	Paris	30.24	59	WNW	3	bc	30.33	+ .16	49	46	− 1	WSW	2	bc	*	bc	*	68	47	—
	Brest	30.28	51	WSW	3	o	30.37	+ .21	51	50	0	WNW	2	m	3	o	*	59	48	—
	Lorient... ...	30.34	52	W	4	m	30.39	+ .19	53	53	+ 1	W	3	f	5	m	*	55	50	0.24
France &	Rochefort ...	30.36	55	WNW	3	o	30.39	+ .15	53	52	0	WNW	1	o	*	o	*	64	50	—
	Belfort	30.25	52	W	2	o	30.30	+ .05	47	46	+ 2	W	3	o	*	o	*	64	47	0.04
	Lyons	30.31	63	NW	1	o	30.37	+ .03	53	?	+ 7	NW	3	b	*	o	*	70	46	—
	Nice	29.92	50	E	0	o	30.16	− .20	48	46	− 1	E	1	o	2	o	*	57	48	—
	Perpignan ...	30.32	64	NW	2	b	30.35	− .04	58	52	+ 13	W	2	b	*	b	*	71	54	—
	Biarritz ...	30.37	57	NNW	3	c	30.41	+ .08	52	51	− 3	NNW	2	o	4	c	*	63	52	—
Penin-sula.	Corunna ...																*			
	Lisbon	30.36	59	N	4	b	30.38	+ .01	57	54	0	NNE	3	b	*	b	*	70	55	—
	Azores (P. Delgada)	30.15	60	SSE	5	bc	30.11	+ .07	60	58	− 1	SE	5	o	6	bc	*	64	59	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

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

Bright Sunshine yesterday Southport 4.5 hrs;

WEATHER CHARTS

FOR Thursday, 30th March, 1899.

BAROMETER, WIND AND SEA.

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

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

Force above 10 ⟫⟶ ; *Force 5 to 7* ⟶ ; } *Calm* ⊙

Force 8 to 10 ⟫⟶ ; *Force 1 to 4* ⟶ ; }

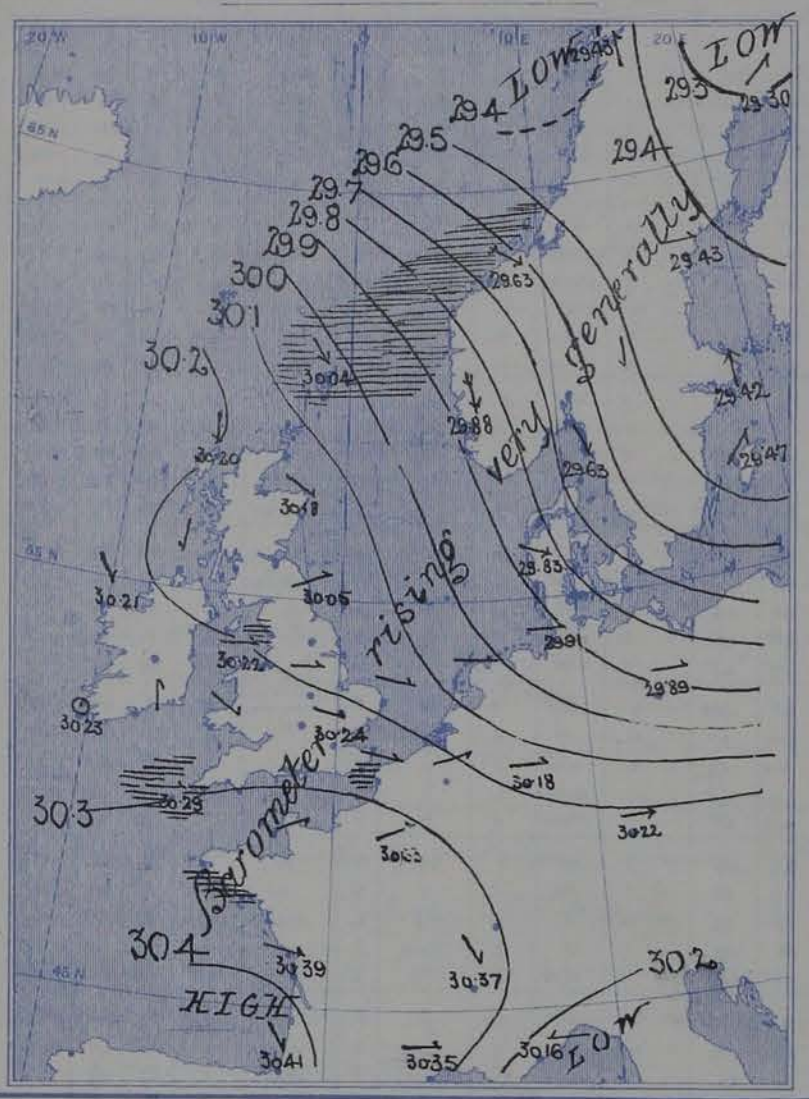
SEA—Rough ▤ ; *High* ▩

TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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.*



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF MARCH.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 737	38 · 5	37 · 0	42 · 8	34 · 0	57	1893	18	1879	2 · 75	—	—
Stornoway	29 · 772	39 · 2	38 · 2	44 · 9	34 · 2	58	1872	13	1881	3 · 70	103 · 3	29
Wick	29 · 781	38 · 9	37 · 2	44 · 9	33 · 8	62	1894	15	1891	1 · 99	—	—
Nairn	29 · 802	37 · 9	36 · 2	45 · 9	33 · 4	65	1884	6	1892	1 · 68	—	—
Aberdeen	29 · 821	38 · 6	36 · 5	45 · 7	34 · 3	66	1889, 91, 92	10	1889	2 · 23	124 · 0	34
Leith	29 · 849	39 · 3	37 · 6	48 · 0	34 · 4	68	1884	19	1879, 81, 89	1 · 41	—	—
Shields	29 · 873	39 · 3	37 · 7	46 · 2	34 · 8	64	1884, 93	15	1889	1 · 74	—	—
Spurn Head	29 · 891	39 · 7	38 · 3	44 · 8	36 · 4	62*	1890, 93	24*	1886	1 · 19	—	—
York	29 · 904	38 · 5	36 · 9	48 · 4	33 · 8	68	1884, 92, 93	8	1883	1 · 66	109 · 1	30
Loughborough	29 · 931	38 · 6	36 · 9	49 · 8	33 · 8	69*	1884, 93	15*	1883	1 · 54	—	—
Ardrossan	29 · 861	40 · 1	38 · 6	46 · 4	36 · 1	63	1884	18	1891	2 · 30	—	—
Malin Head	29 · 842	41 · 0	39 · 3	46 · 5	38 · 5	—	—	—	—	—	—	—
Belmullet	29 · 882	43 · 2	41 · 4	48 · 4	39 · 3	—	—	—	—	3 · 80	—	—
Donaghadee	29 · 883	40 · 7	39 · 5	47 · 3	37 · 1	65	1874	25	1892	1 · 97	—	—
Holyhead	29 · 906	42 · 0	40 · 5	47 · 4	38 · 8	67	1894	27	1881	2 · 20	—	—
Liverpool	29 · 911	40 · 2	38 · 1	47 · 2	36 · 7	66	1871	21	1886	1 · 67	—	—
Parsonstown	29 · 925	40 · 1	38 · 6	49 · 9	34 · 9	66	1894	18	1891	2 · 20	114 · 7	32
Valencia	29 · 929	44 · 8	42 · 8	51 · 0	40 · 3	64	1871, 94	27	1886, 91, 92	3 · 87	135 · 3	37
Roche's Point	29 · 930	43 · 3	41 · 5	49 · 7	39 · 5	60	1895	27	1890	3 · 38	—	—
Pembroke	29 · 930	42 · 1	40 · 4	46 · 6	39 · 0	58	1872	26	1888	2 · 26	139 · 9	38
Scilly	29 · 946	46 · 0	44 · 1	49 · 5	42 · 3	59	1893	30	1883, 90, 91	2 · 28	—	—
Prawle Point	29 · 960	42 · 7	41 · 2	48 · 2	37 · 7	62*	1893, 95	23*	1883, 88, 90	1 · 88	—	—
Jersey	29 · 965	44 · 0	41 · 9	49 · 7	39 · 8	66	1871, 93, 94	21	1890	2 · 24	160 · 2	44
Hurst Castle	29 · 955	41 · 0	39 · 9	47 · 9	37 · 1	62	1877	21	1887	1 · 78	—	—
Dover	29 · 936	40 · 6	39 · 2	46 · 5	36 · 6	59	1894	13	1890	1 · 74	—	—
LONDON	29 · 949	40 · 0	38 · 1	50 · 1	35 · 2	71	1871	15	1890	1 · 43	72 · 3†	20†
Oxford	29 · 951	38 · 7	37 · 2	49 · 3	34 · 5	67	1884, 93	15	1891	1 · 50	119 · 7	33
Cambridge	29 · 941	38 · 8	37 · 4	50 · 6	32 · 9	70	1893, 94	14	1889, 90	1 · 34	127 · 4	35
Yarmouth	29 · 916	40 · 1	38 · 5	45 · 2	35 · 3	62	1884, 89	18	1892	1 · 73	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30·4 ins. to 30·3 ins. over the Bay of Biscay and W. of France, and exceeding 30·2 ins. over Ireland and the south of England.
Lowest. Below 29·4 ins. over the northern parts of Sweden.
Gradients moderate to slight and variable.
Barometer rising over our Islands, most in the north.

TEMPERATURE

Highest 53° to 51° in the west of France, 50° in the southwest of England & the south of Ireland.
Lowest 31° in the northwest of Norway, 36° at Stornoway Hd., 38° at Nairn and Aberdeen.
It was falling decidedly at the Scotch stations.

WIND

Variable in Ireland, W. ¼ over England and the northern parts of France, NW. ¼ to N. ¼ in Scotland, and light generally.

WEATHER

Fair in Scotland, dull over England, very rainy over the southern half of Ireland and the southwest of England.
A good deal of rain fell over the north of Scotland yesterday. Bright sunshine recorded yesterday amounted to 9 hrs. at Cambridge, 4 to 7 hrs. at our other S.E. Stations.

SEA

Rather rough on our S.W. coasts, slight to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A little rain may fall at our S.E. stations as the secondary disturbance in the northwest moves southwards, but finer and cooler weather is then probable.

FORECASTS

For the 24 hours ending at NOON on 31ST MARCH 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW. ¼ to NE. ¼ winds, light; fine, colder.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	W. ¼ to N. ¼ winds, light; a little rain, then fair, colder.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos. 0 to 2.
7	ENGLAND N.W.	
8	ENGLAND S.W.	W. ¼ to N. ¼ and NE. ¼ winds, light, foggy, some rain, then fair, colder.
9	IRELAND NORTH	Same as Nos. 0 to 2.
10	IRELAND SOUTH	Calms and rains, then N. ¼ winds and colder; fair.
	WARNINGS	None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.17	43	42	SW	2	r	4
Sumburgh Head	29.49	41	39	NW	3	c	4
Stornoway	29.58	45	44	ENE	2	r	2
Aberdeen	29.60	47	44	NNW	3	c	3
Shields	29.73	56	51	WSW	6	c	2
Ardrossan	29.74	52	50	W	7	bcm	4
Malin Head ...	29.77	49	46	WNW	6	bc	4
Belmullet	29.94	53	49	W	6	o	*
Holyhead	29.98	51	48	SW	4	cm	4
Valencia	30.11	54	49	WSW	5	o	5
Scilly	30.19	56	53	WSW	4	c	5
Jersey	30.25	55	52	W	5	bc	4
Hurst Castle ...	30.10	53	50	SW	5	cm	3
Dungeness ...	30.03	51	49	WSW	7	c	6
North Foreland							
London (Westminster)	30.02	61	58	WSW	2	o	*
Yarmouth ...	29.87	58	61	W	5	c	3
Rochefort ...	30.36	56	55	W	3	o	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine over the Mediterranean, S.W.^rn and S.^rn Europe, as well as over the S.^rn part of Russia; fair over the S.^rn parts of our Islands, but rainy in the N. and N.W.; unsettled over the countries lying to the E.^wd of the North Sea, with rain and snow in places. Considerable rain in Scotland and Norway later, and small quantities on our W. and S.W. coasts. Rain also at Lorient and Belfort.

Temperature beginning to fall in Scotland, risen quickly over Sweden, Finland and the N. of Russia. Morning readings highest 60° at Algiers and Oran, 55° at Biarritz, 53° at Jersey, 52° at Scilly and Valencia. Lowest 8° at Moscow, 26° at St. Petersburg and at Kiev, 29° at Inspruenda and Bodö; rising later to between 55° and 60° in most parts of our Islands, to 59° at Berlin, 68° at Paris and 73° at Lyons.

Wind (1) W.^ly 2 and fresh over Ireland, W.S.W. strong over England, S.W.^ly 7 to S.^ly 4 on the eastern shores of the North Sea, and E.^ly 4 to S.E.^ly 2 over the north of Scandinavia; (2) very light and variable over southern and eastern Europe.

Barometer highest 30.5 ins. and more to 30.4 ins. over Russia, and exceeding 30.3 ins. over the whole of S.^rn Europe and the Mediterranean. Lowest 29.1 ins. and less in a depression off the W. of Norway. Gradients steep over the N.W.^rn districts, slight in the S. and E. Rising in our Islands later, and secondary disturbance appearing off the N.W. of Scotland.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Friday 31st March, 1899.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)								PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.49	33	E	0	bc	29.61	+ .31	28	22	— 11	N	4	bc	*	bc	*	36	23	—
	Hernösand ...	29.64	31	E	0	b	29.76	+ .33	29	28	— 5	N	2	b	*	b	*	41	29	—
	Stockholm ...	29.60	35	N	2	b	29.74	+ .32	33	28	— 6	NNW	6	b	*	b	*	43	33	—
	Wisby	29.62	34	NNE	4	b	29.72	+ .25	33	30	— 6	N	8	b	*	b	*	39	32	—
	Karlstad ...	29.75	34	NW	2	b	29.89	+ .33	32	29	— 5	NW	4	b	*	b	*	*	*	—
	Bodö	29.63	35	SSW	1	c	29.75	+ .32	33	32	+ 2	NW	5	o	3	c	*	36	27	—
	Christiansund ...	29.64	35	WNW	5	s	30.08	+ .45	35	32	+ 4	NE	6	c	5	s	*	36	30	0.20
	Skudesnaes ...																*			*
	Færder (Christiania Fjord)	29.83	37	NW	5	b	30.01	+ .39	35	31	— 3	NW	4	b	2	b	*	39	30	—
	Skagen (The Scaw)	29.87	38	NNW	6	b	30.06	+ .43	37	32	— 3	N	4	b	1	b	*	45	28	—
	Fanö	30.14	37	NNW	7	b	30.21	+ .38	37	33	— 4	NNW	4	b	*	b	*	41	28	—
	Sumburgh Head	30.25	36	WNW	2	bc	30.19	+ .15	37	33	+ 1	SE.	2	c	4	bc	*	41	30	*
	Stornoway ...	30.26	41	ESE	3	o	29.94	— .26	40	39	+ 4	SE	4	r	4	o	7.4	45	33	0.30
	Wick	30.31	40	N	2	bc	30.08	— .06	38	37	— 2	S	5	r	4	bc	*	46	35	0.03
	Nairn	30.29	41	E	1	c	30.08	— .10	34	33	— 4	SSE	1	s	1	c	*	46	32	0.15
	Aberdeen ...	30.34	39	NNE	2	c	30.17	— .01	33	33	— 5	SE	5	ors99	5	c	7.5	43	33	0.13
British Islands.	Leith	30.31	44	E	1	o	30.40	— .05	35	35	— 5	ESE	3	rsp	*	o	*	48	33	0.32
	Shields	30.35	41	NNE	1	o	30.15	+ .10	37	36	— 10	SSE	4	r	3	o	*	48	35	0.24
	Spurn Head ...	30.31	43	NE	4	o	30.18	+ .07	38	38	— 8	SE	4	r	4	o	*	48	38	0.13
	York	30.34	44	NNE	1	o	30.16	— .02	38	38	— 10	ENE	2	r	*	o.r	0.2	52	37	0.27
	Loughborough ...	30.32	49	NNE	2	c	30.18	.00	42	42	— 6	SE	1	omgd	*	a.om.gr	*	57	40	0.28
	Ardrossan ...	30.26	46	NE	3	om	30.02	— .14	37	37	— 8	NNE	3	rm	2	om	*	48	36	0.34
	Malin Head ...	30.21	45	SE	3	r	29.96	— .22	48	48	+ 4	WSW	5	rf	3	bc.r	*	49	44	0.37
	Belmullet ...	30.15	50	ENE	2	om	30.11	— .10	51	50	+ 2	WSW	5	om	*	om	*	51	47	0.45
	Donaghadee ...	30.28	51	S	3	o	30.03	— .15	49	49	+ 2	SW	3	r	3	c	*	51	46	0.45
	Liverpool (Bidston)	30.30	48	N	1	o	30.11	— .07	45	44	— 4	SE	1	r	1	o	*	52	41	0.24
	Holyhead ...	30.28	50	S	1	om	30.10	— .12	50	49	+ 1	WSW	3	omp	2	om	*	53	45	0.11
	Parsonstown ...	30.22	52	SE	1	r	30.17	— .08	52	51	+ 5	SW	1	r	*	a	0.0	55	47	0.15
	Valencia ...	30.25	53	SW	2	om	30.24	+ .01	53	53	+ 3	SSW	1	f	4	f.om	0.0	55	49	0.08
	Roche's Point ...	30.27	51	SW	2	f	30.24	— .03	53	52	+ 3	WSW	2	c	3	f	*	53	49	0.07
	Pembroke (St. Ann's Hd.)	30.28	48	SSE	2	f	30.21	— .05	48	47	0	W	3	f	4	f	0.0	51	47	0.06
	Scilly	30.31	53	WSW	3	f	30.27	— .02	50	50	— 1	W	4	f	3	f	0.0	56	49	0.01
	Prawle Point ...	30.30	50	WSW	3	f	30.26	— .03	49	48	— 1	W	4	m	3	f.m	*	55	47	0.02
	Jersey (St. Aubin's)	30.33	51	W	5	o	30.30	— .04	51	51	0	W	3	fw	3	f.o	*	52	49	0.06
	Hurst Castle ...	30.28	49	SW	2	om	30.22	— .05	48	48	0	WSW	3	om	2	o.om	*	54	47	0.04
	Dungeness ...	30.26	50	WSW	3	c	30.20	— .03	47	46	+ 4	SE	3	f	3	c	*	54	45	0.02
	North Foreland																*			
	London (Brixton) ...	30.28	56	NW	2	bc	30.21	— .03	46	46	— 3	SW	1	od	*	o.bc.r	2.0	60	43	0.08
	Oxford	30.31	51	NW	1	o	30.18	— .06	45	44	— 2	S	2	op	*	o	*	59	43	0.07
	Cambridge ...	30.31	47	NNE	2	o	30.21	.00	43	42	— 8	SE	1	r	*	b.o	6.5	60	40	0.17
	Yarmouth ...	30.28	45	NE	4	c	30.24	+ .13	41	39	— 8	SE	4	r	4	c	*	54	40	0.02
Germany & Holland.	Cuxhaven ...	30.13	41	NW	5	o	30.21	+ .30	40	37	— 3	NW	4	b	*	o	*	46	37	—
	Berlin	1999	43	WNW	6	o	30.13	+ .24	35	33	— 13	WNW	5	b	*	o	*	52	32	—
	Wiesbaden ...	*	*	*	*	*	30.28	+ .10	41	40	— 8	E	0	c	*	*	*	55	41	0.08
	Munich	30.22	46	SW	6	o	30.26	+ .04	40	40	— 10	W	5	o	*	o	*	54	37	0.04
	The Helder ...	30.26	43	NNE	3	b	30.29	+ .24	42	37	— 4	E	0	bc	1	b	*	46	37	—
Belgium.	Brussels ...	*	*	*	*	*	30.31	+ .09	41	38	— 4	ESE	2	o	*	o	*	57	38	—
	Cape Gris Nez ...	?	49	W	1	m	?	?	45	43	— 1	SE	2	r	2	m	*	52	41	0.04
	Paris	30.32	54	W	2	b	30.30	— .03	46	44	— 3	E	0	f	*	b	*	60	45	—
	Brest	30.37	52	WNW	2	o	30.34	— .03	50	50	— 1	W	2	f	3	b	*	54	48	—
	Lorient	30.38	51	W	4	m	30.34	— .05	50	50	— 3	W	2	m	4	m	*	55	48	—
France &	Rochefort ...	30.36	53	NNW	3	o	30.32	— .07	51	50	— 2	NW	3	o	*	o	*	66	48	—
	Belfort	30.26	49	W	5	o	30.27	— .03	44	41	— 3	NE	2	m	*	o	*	58	39	—
	Lyons	30.31	55	NW	3	o	30.29	— .08	51	48	— 2	NW	2	bc	*	o	*	64	49	—
	Nice	30.02	50	E	0	o	29.99	— .17	46	46	— 2	E	1	o	2	o	*	61	46	—
	Perpignan ...	30.22	68	NW	4	b	30.21	— .14	61	55	+ 3	NW	3	b	*	b	*	73	58	—
	Biarritz ...	30.34	56	N	3	b	30.28	— .13	55	51	+ 3	NW	2	o	4	b	*	63	50	—
Peninsula.	Corunna ...	30.39	57	NW	3	bc	30.30	— .12	51	49	— 3	NNW	3	f	3	bc	*	61	46	—
	Lisbon	30.29	61	NNW	3	b	30.23	— .15	58	55	+ 1	NNE	2	fb	*	b	*	72	54	—
	Azores (P. Delgada)	30.08	60	ESE	5	o	30.02	— .09	59	58	— 1	ESE	5	o	6	o	*	64	59	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

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

Bright Sunshine yesterday Southport 4·0 hrs;

WEATHER CHARTS

FOR Friday, 31st March, 1899.

BAROMETER, WIND AND SEA.

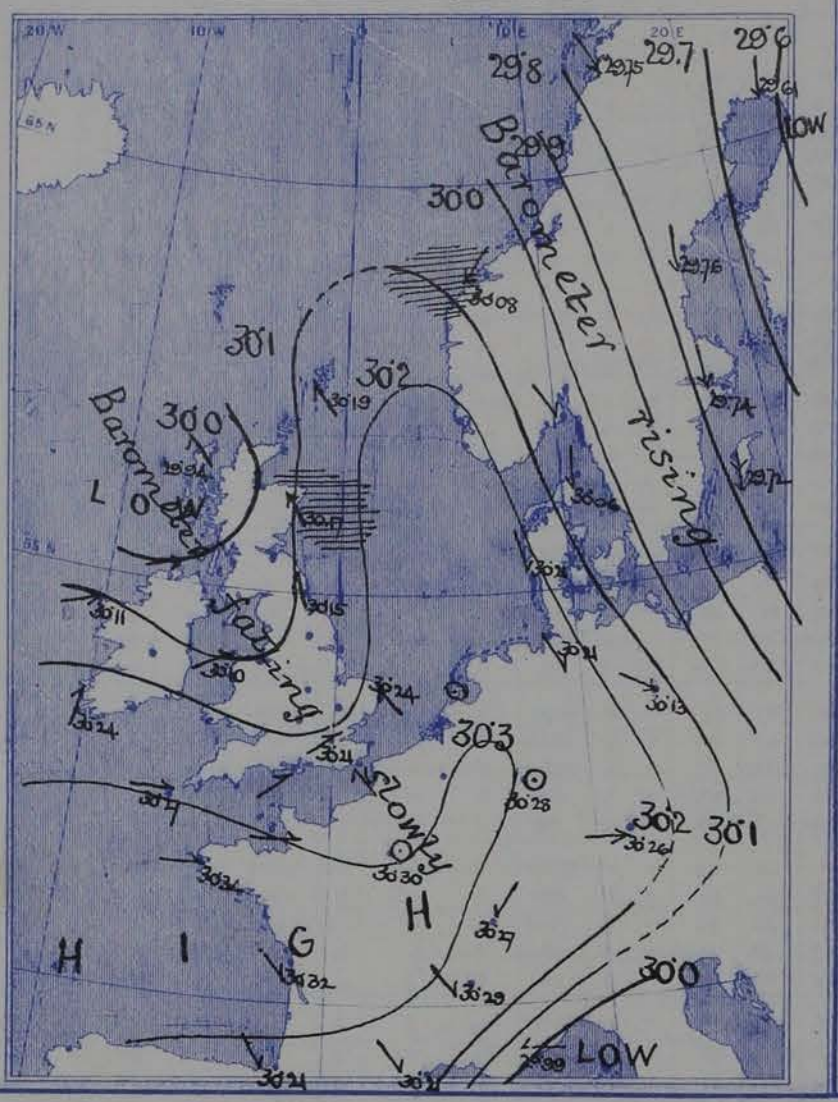
BAROMETER—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟶⟶ ; Force 5 to 7 ⟶ ; } Calm ⊙

Force 8 to 10 ⟶⟶ ; Force 1 to 4 ⟶ ; }

SEA—Rough ▤ : High ▩

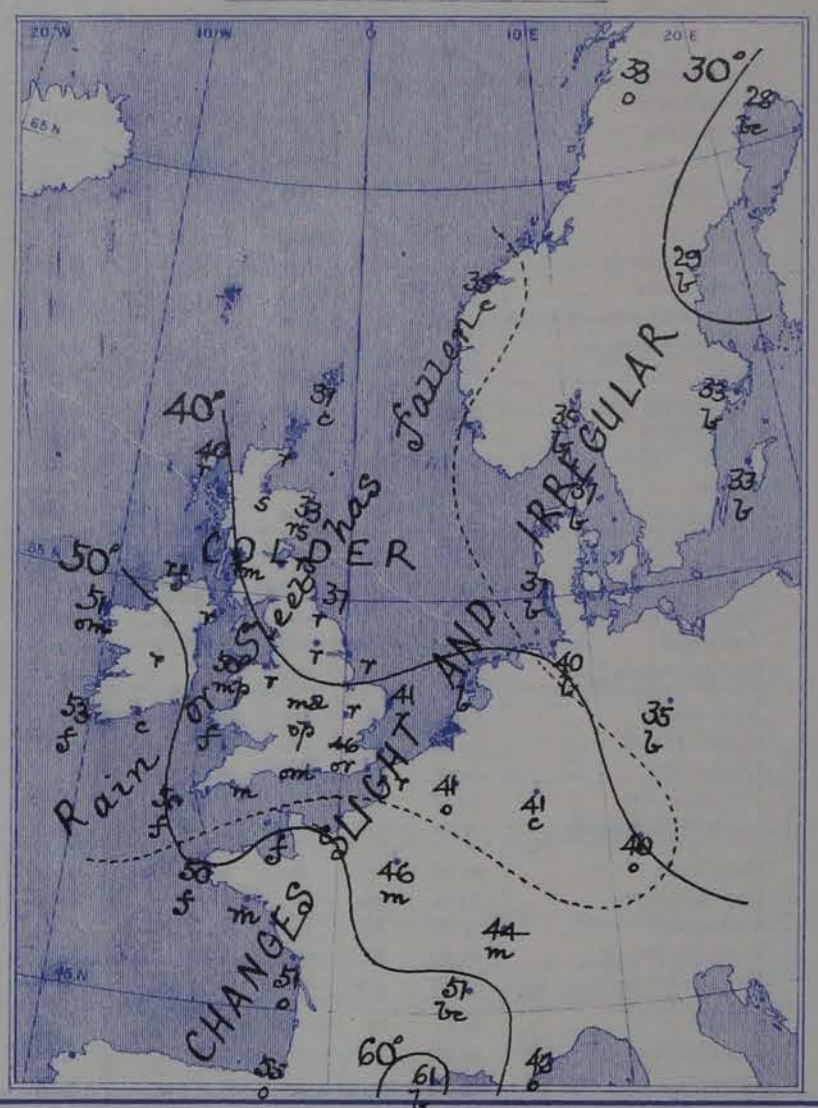


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF MARCH.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 737	38 · 5	37 · 0	42 · 8	34 · 0	57	1893	18	1879	2 · 75	—	—
Stornoway	29 · 772	39 · 2	38 · 2	44 · 9	34 · 2	58	1872	13	1881	3 · 70	103 · 3	29
Wick	29 · 781	38 · 9	37 · 2	44 · 9	33 · 8	62	1894	15	1891	1 · 99	—	—
Nairn	29 · 802	37 · 9	36 · 2	45 9	33 · 4	65	1884	6	1892	1 , 68	—	—
Aberdeen	29 · 821	38 · 6	36 · 5	45 · 7	34 · 3	66	1889, 91, 92	10	1889	2 · 23	124 · 0	34
Leith	29 · 849	39 · 3	37 · 6	48 · 0	34 · 4	68	1884	19	1879, 81, 89	1 · 41	—	—
Shields	29 · 873	39 · 3	37 · 7	46 · 2	34 · 8	64	1884, 93	15	1889	1 · 74	—	—
Spurn Head	29 · 891	39 · 7	38 · 3	44 · 8	36 · 4	62*	1890, 93	24*	1886	1 · 19	—	—
York	29 · 904	38 · 5	36 · 9	48 · 4	33 · 8	68	1884, 92, 93	8	1883	1 · 66	109 · 1	30
Loughborough	29 · 931	38 · 6	36 · 9	49 · 8	33 · 8	69*	1884, 93	15*	1883	1 · 54	—	—
Ardrossan	29 · 861	40 · 1	38 · 6	46 · 4	36 · 1	63	1884	18	1891	2 · 30	—	—
Malin Head	29 · 842	41 · 0	39 · 3	46 · 5	38 · 5	—	—	—	—	—	—	—
Belmullet	29 · 882	43 · 2	41 · 4	48 · 4	39 · 3	—	—	—	—	3 · 80	—	—
Donaghadee	29 · 883	40 · 7	39 · 5	47 · 3	37 · 1	65	1874	25	1892	1 · 97	—	—
Holyhead	29 · 906	42 · 0	40 · 5	47 · 4	38 · 8	67	1894	27	1881	2 · 20	—	—
Liverpool	29 · 911	40 · 2	38 · 1	47 · 2	36 · 7	66	1871	21	1880	1 · 67	—	—
Parsonstown	29 · 925	40 · 1	38 6	49 · 9	34 · 9	66	1894	18	1891	2 · 20	114 7	32
Valencia	29 · 929	44 · 8	42 · 8	51 · 0	40 · 3	64	1871, 94	27	1886, 91, 92	3 · 87	135 · 3	37
Roche's Point	29 · 930	43 · 3	41 · 5	49 · 7	39 · 5	60	1895	27	1890	3 · 38	—	—
Pembroke	29 · 930	42 · 1	40 · 4	46 · 6	39 · 0	58	1872	26	1888	2 · 26	139 · 9	38
Scilly	29 · 946	46 · 0	44 · 1	49 · 5	42 · 3	59	1893	30	1883, 90, 91	2 · 28	—	—
Prawle Point	29 · 960	42 · 7	41 · 2	48 · 2	37 · 7	62*	1893, 95	23*	1883, 88, 90	1 · 88	—	—
Jersey	29 · 965	44 · 0	41 · 9	49 · 7	39 · 8	66	1871, 93, 94	21	1890	2 · 24	160 · 2	44
Hurst Castle	29 · 955	41 · 0	39 · 9	47 · 9	37 · 1	62	1877	21	1887	1 · 78	—	—
Dover	29 · 936	40 · 6	39 · 2	46 · 5	36 · 6	59	1894	13	1890	1 · 74	—	—
LONDON	29 949	40 · 0	38 · 1	50 · 1	35 · 2	71	1871	15	1890	1 · 43	72 · 3†	20†
Oxford	29 · 951	38 · 7	37 · 2	49 · 3	34 · 5	67	1884, 93	15	1891	1 · 50	119 · 7	33
Cambridge	29 · 941	38 · 8	37 · 4	50 · 6	32 · 9	70	1893, 94	14	1889, 90	1 · 34	127 · 4	35
Yarmouth	29 · 916	40 · 1	38 · 5	45 · 2	35 · 3	62	1884, 89	18	1892	1 · 73	* —	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest (1) 30.3 ins: and more to 30.2 ins: in an anticyclone of very irregular form, covering Spain, France, Western Germany, the south of our Islands and the North Sea, (2) exceeding 29.9 ins: over the north of Russia

Lowest (1) 30.0 ins: and less off our northwest coasts and below 30.2 ins: in a complex 'V' shaped disturbance over the north and east of our Islands and in a small secondary near the Straits of Dover (2) 29.4 ins: and less to 29.5 ins: in a very complex series of low pressure areas lying over Finland and the northern parts of Russia.

Gradients slight and variable in our Islands, moderate over Scandinavia and North Germany. Barometer was (falling at our northern stations

TEMPERATURE

Highest 66 at Barcelona, 61 at Perpignan, 58 at Lisbon, 53 at Valencia and 48° to 51° on our western and southwestern coasts generally.

Lowest (1) 19 at Archangel, 23 at Kafatanda, 27 at Moscow, (2) 33 at Aberdeen, 34 at Shields, 38 at York

It touched 52 at York, 56 at Scilly, 60 in London and at Paris, 62 at Lyons, 65 at Perpignan and Lisbon (yesterday.

WIND

Very complex in direction and force (1) Southeasterly light over Russia, but Northerly moderate to a gale over Sweden, Northwesterly over Central Europe, (2) Southeasterly moderate on our east coast and Southwesterly to Westerly in the west and south. (3) Very light and variable over Southern Europe.

It had varied very considerably over our southern districts during the night

WEATHER

Weather fine to fair over Southwestern and Western Europe, fair over the southwestern parts of our Islands, very unsettled and changeable over the north of our Islands and in Russia.

Rain had fallen over our Islands generally,- most in the northwest.

Bright sunshine yesterday ranged from 0.0 hrs: in Central and South Ireland to 6.5 hrs: at Cambridge and 7.5 hrs: at (Aberdeen

SEA

Rather rough at Aberdeen, moderate to slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on APRIL 1st 1899.

DISTRICTS.		FORECASTS.	DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH		6	SCOTLAND WEST	
1	SCOTLAND EAST	Moved	7	ENGLAND N.W.	
2	ENGLAND N.E.		8	ENGLAND S.W.	Moved.
3	ENGLAND EAST	None	9	IRELAND NORTH	
4	MIDLAND COUNTIES		10	IRELAND SOUTH	None
5	ENGLAND SOUTH				
				WARNINGS	

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·02	40	36	NNW	8	b	4
Sumburgh Head	30·17	39	35	WNW	5	bc	5
Stornoway	30·27	45	40	E	2	c	2
Aberdeen	30·30	42	36	NNW	3	bc	3
Shields	30·31	43	39	NNE	2	o	2
Ardrossan	30·27	47	45	VE	2	om	2
Malin Head ...	30·24	49	45	E	2	bc	1
Belmullet	30·23	51	49	S	1	omv	*
Holyhead	30·27	53	49	W	2	c	2
Valencia	30·25	55	54	SSW	1	f	4
Scilly	30·31	54	53	WSW	3	ft	4
Jersey	30·36	52	52	WSW	4	ft	3
Hurst Castle ...	30·28	51	50	SW	3	o	2
Dungeness ...	30·26	53	50	WSW	4	c	3
North Foreland							
London (Westminster)	30·25	57	49	NW	3	c	*
Yarmouth ...	30·18	53	47	SW	4	c	3
Rochefort ...	30·29	57	55	NW	3	o	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fair over Southwestern Europe, fair over France, rainy over the southwest of the British Islands, unsettled over Northern Europe, the Baltic and Russia, with rain and snow in several places. Rain later almost all over our Islands, and snow in some localities; fog becoming very prevalent on our southwestern and southern coasts, and at Jersey.

Temperature fallen in most parts of the United Kingdom and neighbourhood, and also over Germany. Morning readings highest, 63° at Barcelona, 61° at Oporto, 53° at Lorient, 50° in the south of Ireland, 49° at Paris and in London. Lowest 16° at Moscow, 19° at Kieff, 31° at Archangel, St. Petersburg and Christiansund, 36° at Haparanda. Rising later to between 55° and 60° over England, to 60° at Paris, 64° at Lyons and 71° at Perpignan and Lisbon.

Wind very variable (1) Southerly over the northwest of Russia, but Northwesterly to Northerly over Scandinavia and strong in many places; (2) Northwesterly to Easterly over Scotland, Westerly over England and Central Europe; (3) very light and variable over Southern and Southwestern Europe and in the South of Ireland; becoming very variable over our western districts later.

Barometer, highest 30·47 ins: and more to 30·3 ins: over Southwestern and Western Europe, and exceeding 30·3 ins: over Central Russia. Lowest (1) 29·3 ins: and less near Haparanda; (2) below 29·5 ins: in a 'V' shaped secondary over the southern half of Sweden; (3) below 30·2 ins: in a shallow secondary over our northwestern districts. Rising over our Islands later, but varied complications in the distribution appearing over our Islands and their neighbourhood.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France: at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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REPORTS FOR MARCH 1899.

2. CORRECTIONS.

DATE.	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)								PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperatures.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
2	Nairn	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
3	Prawle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	-	-
4	Wick	-	-	-	-	-	29.88	+.15	-	-	-	-	-	-	-	-	-	-	-	-
5	Haparanda	29.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Parsonstown	-	-	-	-	-	30.22	+.21	-	-	-	-	-	-	-	-	-	-	-	-
"	Biarritz	29.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	Parsonstown	-	-	-	-	-	-	-.39	-	-	-	-	-	-	-	-	-	-	-	0.01
7	Scilly	-	-	-	-	-	29.65	-.32	-	-	-	-	-	-	-	-	-	-	-	-
"	Aberdeen 2pm	-	-	-	-	-	-	-	-	42	-	-	-	-	-	-	-	-	-	-
8	Sumburgh Hd	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34	-
9	Aberdeen 2pm	-	-	-	-	-	-	-	42	-	-	-	-	-	-	-	-	-	-	-
11	Belmullet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.05
"	Jersey	30.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Hurst Castle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36	-
12	Malin Hd	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44	-
"	Jersey	30.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	Holyhead	-	-	-	-	-	-	-	47	46	0	-	-	-	-	-	-	-	-	-
15	Holyhead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39	-
"	Stornoway 2pm	-	-	-	-	-	30.31	-	-	-	-	-	-	-	-	-	-	-	-	-
16	Cambridge	-	-	-	-	-	30.49	-.01	-	-	-	-	-	-	-	-	-	-	-	-
17	Pembroke	-	-	-	-	-	30.40	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Hurst Castle	-	-	-	-	-	30.40	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Dungeness	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	-
18	Nairn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55	-	-
"	Valencia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.8	-	-	-	-
"	Pembroke	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	-
19	Holyhead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36	-
"	Scilly	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34	-
20	Valencia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46	-	-
21	Parsonstown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41	-	-
22	Aberdeen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32	-	-
"	Pembroke	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15
"	Dungeness	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49	-	-
23	Belmullet	-	-	-	-	-	-	-	-	-	-	ENE	-	-	-	-	-	-	-	-
"	Aberdeen 2pm	-	-	-	-	-	-	-	-	-	-	NW	-	-	-	-	-	-	-	-
24	Pembroke	29.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Scilly	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01
25	Donaghadee	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31	-
28	Shields	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35	-	-
"	Aberdeen 2pm	-	-	-	-	-	-	-	-	44	-	-	-	-	-	-	-	-	-	-
30	York	-	-	-	-	-	30.13	+.51	-	-	-	-	-	-	-	-	-	-	-	-
31	Dungeness	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	-

ADDITIONS AND CORRECTIONS TO THE

1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperatures. Dry Bulb.	Temperatures. Wet Bulb.	Temperatures. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
1	Hernösand	29.59	41	NW	4	b	29.87	.00	29	1	− 11	NW	6	b	−	b	−	48	29	−
"	Corunna	30.36	61	NE	4	b	30.55	+.19	45	43	− 5	NE	1	b	2	b	−	61	37	−
2	Corunna	30.46	60	NE	1	b	30.36	−.19	43	39	− 2	E	1	f	2	b	−	61	37	−
3	Corunna	30.18	61	NE	3	b	30.11	−.25	50	45	+ 7	NE	1	c	2	b	−	64	43	−
4	Belfort	30.04	53	2	0	0	29.92	−.34	40	−	+ 6	WSW	2	0	−	0	−	59	34	−
"	Corunna	30.04	61	E	2	r	29.90	−.21	54	52	+ 4	E	1	r	2	r	−	66	48	0.32
5	Corunna	29.86	63	S	3	bc	29.84	−.06	52	50	− 2	W	1	b	2	bc	−	64	45	0.35
6	Corunna	29.78	60	NE	1	bc	29.73	−.11	54	51	+ 2	ENE	1	c	2	bc	−	63	48	0.08
7	Corunna	29.72	55	NE	3	r	29.69	−.04	51	48	− 3	NE	1	c	2	r	−	63	46	0.51
8	Corunna	29.66	52	NE	3	r	29.88	+.19	50	46	− 1	NE	3	r	5	r	−	59	43	0.28
9	Corunna	29.89	54	NW	2	b	29.59	−.29	46	45	− 4	WNW	6	0	5	b	−	55	39	0.08
10	Corunna	29.56	52	NW	7	r	29.97	+.38	52	48	+ 6	N	6	c	5	r	−	54	41	0.16
"	Azores	30.35	55	N	4	c	30.26	−.12	55	53	− 1	N	3	0	2	c	−	61	52	−
11	Corunna	30.11	55	NE	4	b	30.23	+.26	50	46	− 2	NE	3	b	1	b	−	57	43	−
12	Biarritz	30.28	54	NNW	3	bc	30.34	+.20	48	−	+ 3	SSW	2	bc	1	bc	−	55	45	−
13	The Helder	30.52	42	2	0	b	30.59	+.25	35	−	− 7	SE	1	f	1	b	−	50	35	−
"	Corunna	30.38	61	NE	4	b	30.36	+.02	47	43	+ 1	NE	1	f	2	b	−	63	39	−
14	Boda	29.76	33	W	4	0	29.71	−.05	31	29	− 2	E	4	bc	1	0	−	34	27	−
"	Christiansund	30.13	40	WSW	6	c	29.80	−.24	46	42	+ 5	WSW	9	r	5	c	−	46	37	0.24
"	Skudesnaes	30.38	41	WSW	2	0	30.24	−.17	43	43	+ 2	W	4	0	4	0	−	45	39	−
"	Belfort	30.29	55	ENE	3	m	30.39	+.03	37	−	− 3	ENE	3	m	−	m	−	60	36	−
"	Corunna	30.30	61	NE	3	b	30.27	−.09	53	50	+ 6	NE	3	f	2	b	−	63	46	−
15	Corunna	30.18	58	NNE	3	f	30.17	−.10	52	48	− 1	NE	1	f	2	f	−	64	45	−
16	Corunna	30.14	64	NE	1	b	30.15	−.02	55	50	+ 3	E	3	bc	2	b	−	68	46	−
17	Corunna	30.17	62	SE	1	f	30.23	+.08	54	49	− 1	SE	1	f	2	f	−	73	45	−
18	Brussels	−	−	−	−	−	30.06	−.35	33	−	− 7	SW	1	r	−	b	−	55	28	−
"	Corunna	30.17	64	NW	1	f	30.06	−.17	49	46	− 5	NNW	1	f	2	f	−	73	43	−
19	Corunna	29.99	57	WNW	3	f	29.85	−.21	54	53	+ 5	WNW	1	m	2	f	−	59	48	0.12
20	Corunna	29.78	55	NW	3	f	29.80	−.05	50	46	− 4	NE	3	bc	2	f	−	57	43	0.08
21	Corunna	30.22	55	NE	3	bc	29.84	+.04	49	46	− 1	NE	3	0	2	bc	−	57	39	−
22	Lyons	29.83	32	N	1	b	29.84	−.01	24	22	− 4	ESE	1	b	−	b	−	40	24	−
"	Corunna	29.68	54	NE	6	bc	29.66	−.18	50	45	+ 1	E	3	0	2	bc	−	?	39	−
23	Corunna	29.55	50	NE	3	r	29.81	+.15	48	45	+ 2	NE	6	b	3	r	−	50	37	0.32
24	Cape Gris Nez	?	34	NE	4	0	?	?	29	−	− 2	NE	4	0	4	0	−	39	28	−
"	Corunna	29.80	50	NE	1	0	30.12	+.31	46	41	− 2	NE	1	b	2	0	−	52	37	−
25	Azores	29.87	58	S	5	0	29.68	−.26	58	55	0	SSE	5	0	5	0	−	63	57	−
27	Brussels	−	−	−	−	−	30.15	−	44	40	−	SSW	4	b	−	0	−	46	32	0.04
"	Corunna	30.11	70	S	2	b	30.21	.00	53	47	− 3	S	3	bc	3	b	−	70	36	−
28	Lorient	30.16	52	WSW	3	m	30.18	−	50	50	−	SSW	3	m	4	m	−	57	45	−
"	Corunna	30.22	65	S	3	bc	30.23	+.02	53	48	0	SSW	1	f	2	bc	−	66	45	−
29	Paris	30.18	60	SW	2	c	30.18	−.07	50	−	+ 2	SW	3	0	−	0	−	66	48	−
"	Brest	30.04	53	SSW	7	0	30.16	+.04	52	−	+ 2	WSW	3	0	4	0	−	54	48	−
"	Belfort	30.23	54	W	2	bc	30.25	−.05	50	−	+ 5	W	1	m	−	bc	−	62	42	−
"	Nice	30.32	50	SE	1	0	30.36	.00	49	−	+ 4	E	3	0	1	0	−	50	45	−
"	Perpignan	30.30	55	NE	2	b	30.39	+.02	45	−	+ 4	W	2	0	−	b	−	68	41	−
"	Corunna	30.22	60	WNW	6	f	30.39	+.16	57	54	+ 3	W	1	f	3	f	−	63	50	−
30	Corunna	30.37	59	W	3	f	30.42	+.03	54	52	− 3	NW	1	f	3	f	−	64	46	−