METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1ST JANUARY TO 30TH JUNE, 1898.

DAILY WEATHER REPORT.

January to June 1898.

WYMAN AND SONS, LTD LITH LONDON 3013.7.98.

DAILY WEATHER REPORT

for 8 a.m. on Tuesday 1st March, 1898.

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 ...	29.95	22	SE	2	s	29.98	+.02	17	16	— 2	S	2	c	*	s	*	23	12	0.39
	Hernösand ...	29.83	31	Z	0	f	29.70	—.13	32	32	+ 1	S	2	s	*	f	*	32	28	0.24
	Stockholm ...	29.75	34	SE	2	s	29.73	—.12	35	34	+ 2	SSE	4	o	*	s	*	36	30	0.16
	Wisby	29.80	34	S	4	r	29.78	—.11	36	36	+ 3	S	4	r	*	r	*	37	30	0.16
	Karlstad ...	29.65	34	E	2	rw	29.59	—.17	34	33	0	SSE	2	r	*	rw	*	*	*	0.08
	Bodö	29.69	31	E	4	b	29.68	+.06	31	27	0	E	4	b	1	b	*	34	27	—
	Christiansund ...	29.51	36	SE	1	b	29.45	—.09	33	31	— 5	SE	1	bc	3	b	*	43	33	—
	Skudesnaes ...	29.56	38	SSE	4	o	29.40	—.20	36	34	— 1	SE	6	bc	4	o	*	38	34	*
	Færder (Christiania Fjord)	29.65	36	ESE	2	o	29.51	—.17	35	34	— 1	SSW	2	o	2	o	*	36	34	0.12
	Skagen (The Scaw)	29.64	37	SW	1	r	29.58	—.11	35	34	— 1	SW	3	b	0	r	*	39	34	0.08
	Fanö	29.73	37	SW	4	c	29.57	—.13	34	33	— 5	SSW	3	c	*	c	*	43	34	—
Germany & Holland.	Sumburgh Head	29.43	35	W	2	o	29.12	—.28	33	33	— 4	NE	1	c	3	c, o	*	41	32	0.10
	Stornoway ...	29.50	38	W	3	o	29.26	—.34	32	31	— 3	NNW	3	rsp	3	chp, o	5.7	39	29	0.30
	Wick	29.46	35	NW	3	c	29.16	—.35	30	30	— 3	NW	3	cw	0	c, z, s	*	42	28	0.08
	Nairn	29.55	37	W	3	c	29.25	—.39	32	31	— 2	W	2	bc	2	c, rs	*	45	30	0.08
	Aberdeen ...	29.60	40	SW	3	c	29.25	—.40	34	31	— 3	WSW	3	bc	1	bq, c	8.7	45	33	—
Belgium.	Leith	29.67	37	W	2	b	29.36	—.38	34	33	— 4	W	3	bcmsp	*	b	*	45	32	0.01
	Shields	29.77	41	WSW	3	c	29.41	—.37	39	37	+ 1	SW	3	c	2	c, p	*	47	36	0.05
	Spurn Head ...	29.83	41	WSW	4	b	29.50	—.31	40	39	+ 1	WSW	4	r	3	b. p	*	44	39	0.07
	York	29.85	43	W	2	b	29.47	—.36	40	38	+ 2	WNW	2	bc	*	b. p	7.7	47	37	0.11
	Loughborough ...	29.94	43	WSW	3	o	29.63	—.29	43	41	+ 6	WSW	4	opq	*	ch, opq	*	48	37	0.07
British Islands.	Ardrossan ...	29.71	42	WSW	3	op	29.41	—.38	36	36	— 6	W	5	cqrsp	4	c, op	*	46	34	0.23
	Malin Head ...	29.74	44	W	5	chrp	29.45	—.41	38	35	— 2	NW	7	cqrs	6	chrq	*	44	34	0.31
	Belmullet ...	29.92	46	W	5	opq	29.77	—.27	42	37	— 2	NW	8	bc	*	opq	*	48	37	0.30
	Donaghadee ...	29.89	43	WSW	4	r	29.56	—.33	36	36	— 1	WSW	5	cq	3	r	*	46	35	0.15
	Liverpool (Bidston)	29.89	44	W	5	o	29.56	—.36	43	40	+ 2	WSW	7	r	6	o. r	*	46	41	0.10
	Holyhead ...	29.91	46	WSW	3	opz	29.65	—.32	44	42	+ 2	W	7	cq	5	cp. opz	*	48	40	0.01
	Parsonstown ...	29.97	45	W	1	o	29.74	—.29	43	41	+ 4	W	1	o	*	c, p	2.8	48	38	0.06
	Valencia ...	30.12	47	W	6	op	29.93	—.21	48	44	+ 1	W	6	cp	6	c, p. op	2.3	49	45	0.10
	Roche's Point ...	30.08	48	WNW	3	cp	29.88	—.26	47	46	+ 4	WNW	4	cp	3	cp	*	50	41	0.04
	Pembroke (St. Ann's Hd.)	30.01	48	W	5	o	29.78	—.29	48	45	+ 3	NW	7	o	5	o	3.4	48	40	0.04
	Scilly	30.15	48	W	5	op	29.98	—.16	49	48	+ 1	W	6	cq	4	cp. op	4.5	51	45	0.09
	Prawle Point ...	30.13	45	WSW	3	c	29.91	—.21	46	45	+ 5	WSW	5	c	4	cp. o	*	50	40	0.01
	Jersey (St. Aubin's)	30.15	49	W	4	b	30.01	—.11	48	46	+ 3	WSW	5	crqm	4	bc, p, b	*	51	45	0.07
	Hurst Castle ...	30.07	45	W	2	c	29.85	—.19	46	44	+ 6	WSW	5	c	3	p, c	*	50	40	—
	Dungeness ...	30.00	47	WNW	3	b	29.79	—.19	44	43	+ 7	WSW	5	cq	4	bc, b	*	51	36	—
	North Foreland	30.01	42	WSW	3	bc	29.78	—.18	42	40	+ 6	SW	4	c	3	bc	*	47	35	—
	London (Brixton) ...	30.00	40	NW	2	bm	29.76	—.23	44	41	+ 9	SW	4	c	*	c, b	1.3	47	35	—
	Oxford	30.00	43	WSW	3	c	29.74	—.27	43	40	+ 8	WSW	3	o	*	c	*	49	35	—
	Cambridge ...	29.96	42	WSW	3	c	29.69	—.26	43	42	+ 7	SW	4	o	*	c	5.8	49	34	—
	Yarmouth ...	29.89	41	WSW	3	bc	29.63	—.23	43	41	+ 6	WSW	5	cq	4	bc	*	46	35	0.04
France & Belgium.	Cuxhaven ...	29.81	37	WSW	3	r	29.68	—.08	35	35	— 1	S	4	r	*	r	*	43	34	0.24
	Berlin	29.93	37	SSW	3	bc	29.90	+.02	34	33	— 2	SW	3	b	*	bc	*	45	32	0.08
	Wiesbaden ...	*	*	*	*	*	30.01	+.03	35	34	— 2	Z	0	o	*	*	*	45	32	—
	Munich	30.10	35	W	5	o	30.06	—.02	34	33	+ 2	W	5	o	*	o	*	39	32	—
	The Helder ...	29.87	40	W	1	b	29.62	—.20	43	42	+ 2	WSW	3	b	2	b	*	45	39	0.08
	Brussels ...	*	*	*	*	*	29.85	—.14	40	39	+ 5	SW	4	r	*	o	*	46	35	0.04
	Cape Gris Nez ...	? 29.99	45	WNW	2	bc	? 29.80	—.12	46	44	+ 5	W	5	c	5	bc	*	46	39	—
	Paris	30.12	44	W	2	bc	30.04	—.04	39	38	+ 5	SSW	2	c	*	bc	*	52	34	—
	Brest	30.24	49	NW	3	c	30.12	—.06	49	47	+ 2	WNW	3	o	3	c	*	50	43	—
	Lorient	30.23	49	WNW	4	bc	30.13	—.06	50	49	+ 4	NW	4	o	5	bc	*	54	39	—
Peninsula.	Rochefort ...	30.25	49	NW	4	bc	30.25	+.01	47	45	— 1	WNW	3	c	*	bc	*	54	43	—
	Belfort	30.11	37	W	2	o	30.13	+.04	35	34	+ 3	WSW	4	o	*	o	*	39	32	0.28
	Lyons	30.21	39	SW	1	c	30.23	+.02	38	37	+ 6	SE	1	o	*	c	*	46	32	0.20
	Nice	29.96	45	E	1	b	30.03	+.01	41	36	— 2	E	1	b	1	b	*	55	39	—
	Perpignan ...	30.20	51	NW	3	b	30.25	+.04	46	42	+ 1	W	2	b	*	b	*	58	43	—
	Biarritz ...	30.25	52	W	4	o	30.24	+.02	47	45	+ 2	S	4	o	2	o	*	54	45	0.04
	Corunna ...																*			
	Lisbon	30.13	61	N	4	b	30.17	.00	54	47	+ 2	NNE	4	b	*	b	*	68	52	—
	Azores (P. Delgada)	30.05	60	ESE	5	o	30.05	+.04	59	55	0	E	4	c	4	o	*	64	57	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 3.0 hrs;

WEATHER CHARTS

FOR Tuesday, 1st March, 1898

BAROMETER, WIND AND SEA.

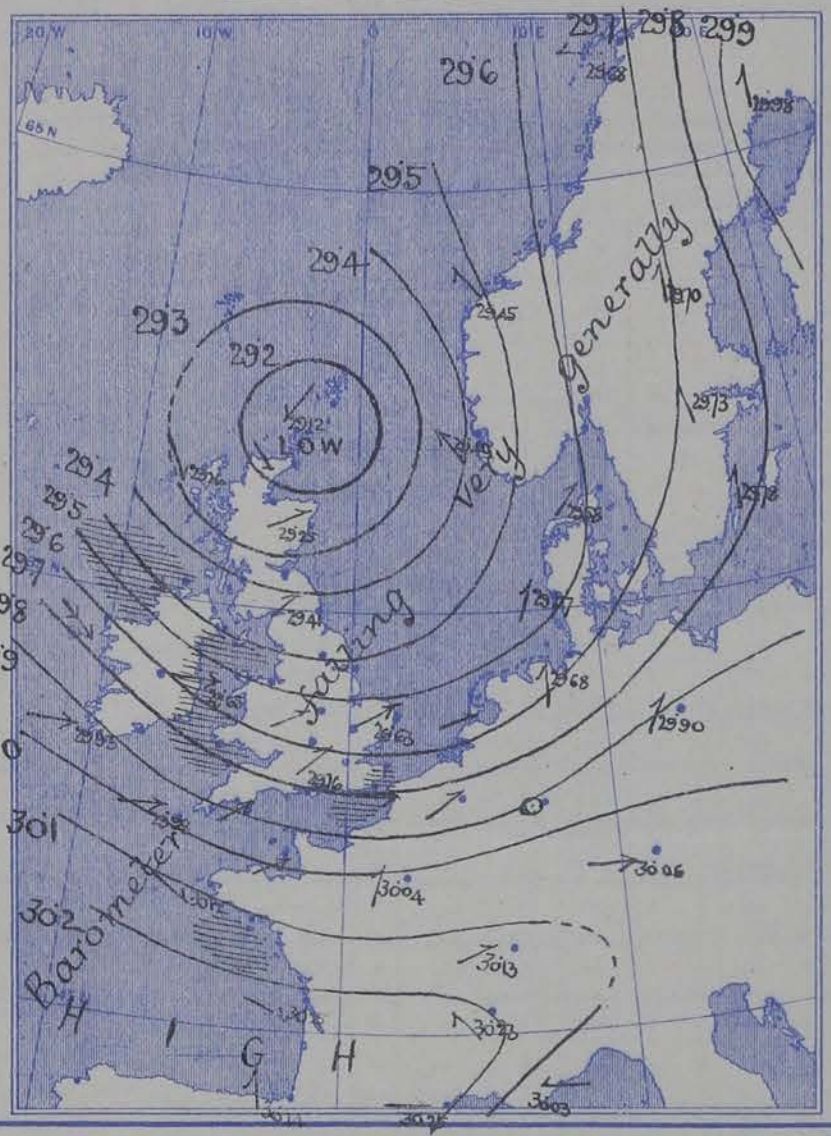
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▤



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest (1) 30.2 ins. and more to 30.0 ins. over Spain, France and the Bay of Biscay; (2) about 30.0 ins. over Finland.
Lowest Below 29.2 ins. in a well-marked depression lying off the NE coasts of Scotland.
Gradients becoming steep again in the northwest and west
Barometer falling generally – most in the northeast and east.

TEMPERATURE

Highest 49° to 47° on the W. coast of France and the extreme SW.m coasts of the British Islands.
Lowest (1) 17° at Haparanda, 32° at Hernosand, 34° at Berlin and Munich; (2) 30° to 34° on the northeast coasts of Scotland.
It had risen several degrees over England, but fallen over Scotland and the N. of Ireland, and the fall was spreading southwards.

WIND

Strong to a gale in force from the NW.nd at our western stations, fresh and gusty from WSW. and SW. over the southern parts of England and the Channel, NW.14 in Denmark and Sweden, SE.14 in Norway.
It blew very hard at Malin Head in the night.

WEATHER

Becoming very moderate, squally and changeable again, with rain showers at our western stations, sleet and hail in the NW. and N., rain at Brussels and some Swedish stations.
Rainfall has been measured very generally in the N. and W., but not in large quantities.
Halos have been seen in several places. Bright Sunshine recorded yesterday amounted to 8.7 hrs. at Aberdeen, 7.7 hrs. at York, 6.2 hrs. at Eastbourne, and about 5¾ hrs. at Stornoway & Cambridge.

SEA

Rough on our NW.m and W.m coasts, moderate but rising in the English Channel.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the N. appears to be moving southeastwards, and will probably cause NW.my gales on all our coasts, with cold showers. A considerable fall of temperature over England is probable by tonight.

FORECASTS

For the 24 hours ending at NOON on 2ND MARCH 1898

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NW.14 and N.14 winds increasing in force; squally with cold showers.	6 SCOTLAND WEST	NW.14 or N.14 gales or strong winds; squally, cold showers.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST	W.14 to NW.14 gales and strong winds; squally, cold showers.	9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	At 10.15 am today to all coasts 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 ...	29.58	38	37	SSE	6	o	4
Sumburgh Head	29.43	38	35	W	3	c	4
Stornoway	29.57	39	36	W	3	c	3
Aberdeen	29.64	45	38	WSW	4	bq	3
Shields	29.80	46	42	SW	4	c	2
Ardrossan	29.77	46	45	W	4	cp	3
Malin Head ...	29.79	42	41	NW	5	c	4
Belmullet	29.95	46	44	WNW	4	op	*
Holyhead	29.96	46	44	W	4	cp	3
Valencia	30.14	47	45	WNW	5	p	5
Scilly	30.16	49	46	NNW	4	cp	3
Jersey	30.17	51	47	WNW	4	bc	3
Hurst Castle ...	30.06	49	44	W	3	c	3
Dungeness ...	30.00	48	44	W	4	bc	3
North Foreland	30.01	47	43	W	5	bc	3
London (Westminster)	30.00	48	42	NW	3	o	*
Yarmouth ...	29.88	46	41	WNW	4	bc	3
Rochefort ...	30.28	53	50	NW	3	bc	*

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

Weather in morning fine over the Mediterranean, Spain, the W. and N. of France, the greater part of our Islands and the W. of Norway – clear and bright at most of the stations; – not at all settled over the other parts of western or central Europe; rain falling in the W. of Ireland, sleet at Wick, snow at many stations in N.rn Europe, as well as at Berlin and Vienna. Sleet or snow falling later over the Baltic and Sweden, sleet hail and rain over Scotland and the N. of Ireland, rain over our western and northern districts generally; lightning seen at Wick, halos in several places; A fall of rain over the S. of France also.

Temperature in morning. Highest 54° at Malta and Algiers, above 52° at Lisbon, 50° at Coruna, 47° to 45° on our extreme SW.rn coasts. Lowest 0° (zero) F. at Kharkov and Moscow, 8° at Archangel, and much below 32° over Russia generally; below 40° over Scandinavia and central Europe; 32° at Lyons, 34° at Paris; 33° at Wick, 34° at Nairn, 35° at Oxford and in London. Rising later to 45° or more over nearly the whole of our Islands, and touching 50° or 51° at our southern stations, 52° at Paris, 55° at Nice, 58° at Perpignan.

Wind (1) NW.ly to W.ly, fresh to moderate over the British Islands and France, SW.ly to S.ly over Germany, SE.ly to E.ly over northern Europe; (2) NE.ly over Spain; (3) a small cyclonic circulation prevalent over the southeast of France and north of Italy. Increasing in force from the W.ward later on our northwestern and extreme western coasts, remaining SE.ly over Norway.

Barometer. Highest (1) 30.6 ins. and more over the S.rn parts of Russia, and exceeding 30.2 ins. over that Country as a whole; (2) 30.3 ins. and more to 30.1 ins. over Spain, the Bay of Biscay, France, and the extreme SW. of our Islands. Lowest 29.4 ins. and less in a shallow depression between the Shetland Islands and Norway; gradients moderate. Falling on our NW.rn coasts later owing to the advance of a new depression towards Scotland apparently from the WNW.ward

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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 Wednesday, 2nd March, 1898.

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 ...	30.02	37	S	4	S	30.09	+.11	24	24	+ 7	SE	2	c	*	S	*	28	10	0.08
	Hernösand ...	29.76	38	SE	4	S	29.84	+.14	33	32	+ 1	SSE	2	f	*	S	*	34	28	0.24
	Stockholm ...	29.72	35	SSE	2	0	29.68	-.05	34	33	- 1	ESE	2	b	*	0	*	37	32	-
	Wisby	29.76	34	S	4	b	29.58	-.20	35	33	- 1	SSE	4	c	*	b	*	37	32	0.04
	Karlstad ...	29.54	33	NE	4	0	29.51	-.08	34	32	0	NE	4	0	*	r3.0	*	*	*	0.12
	Bodö	29.75	30	E	4	b	29.84	+.16	32	27	+ 1	E	4	bc	1	b	*	32	27	-
	Christiansund ...	29.47	36	SE	4	b	29.50	+.05	34	32	+ 1	SE	4	c	3	b	*	39	33	-
	Skudesnaes ...	29.21	39	ENE	4	0	29.24	-.16	40	35	+ 4	NE	4	0	2	c.0	*	40	34	*
	Færder (Christiania Fjord)	29.30	34	E	6	r	29.36	-.15	36	35	+ 1	E	6	0	3	r	*	37	34	0.24
	Skagen (The Scaw)	29.25	38	SSE	6	r	29.26	-.32	34	34	- 1	ESE	1	S	0	r	*	38	34	0.47
	Fanö	29.23	34	WSW	2	c	29.22	-.35	38	33	- 1	WSW	2	bc	*	c	*	39	33	0.39
	Sumburgh Head	29.20	37	NNE	2	0	29.48	+.36	36	35	+ 3	N	3	bc	4	c.0	*	40	32	0.10
	Stornoway ...	29.33	37	NNW	4	0	29.64	+.38	37	36	+ 5	NNW	4	0	4	shp,c.0	2.7	38	29	0.45
	Wick ...	29.18	35	NW	3	c	29.50	+.34	35	34	+ 5	NW	2	0	2	c	*	39	29	0.03
	Nairn	29.29	35	WNW	1	c	29.56	+.31	37	36	+ 5	W	2	c	1	c	*	40	30	0.07
	Aberdeen ...	29.23	35	WNW	4	bcq	29.50	+.25	38	36	+ 4	NW	5	bcq	3	bcq.rs	5.9	41	34	0.07
British Islands	Leith	29.30	36	W	3	bc	29.56	+.20	40	36	+ 6	W	3	cm	*	bc	*	44	32	0.01
	Shields	29.35	38	WSW	3	c	29.51	+.10	37	36	- 2	WNW	3	cp	2	csp.c	*	43	33	0.02
	Spurn Head ...	29.41	37	W	6	bc	29.45	-.05	39	37	- 1	WNW	6	cqp	5	bcqp	*	42	35	0.13
	York	29.43	37	W	3	b	29.52	+.05	39	36	- 1	WNW	3	bc	*	sp, b	6.6	44	34	0.05
	Loughborough ...	29.55	36	W	6	b	29.59	-.04	38	36	- 5	W	5	c	*	qprs	*	45	34	0.25
	Ardrossan ...	29.37	41	WNW	7	oqprs	29.66	+.25	41	40	+ 5	WNW	3	b	2	cqpprs	*	42	34	0.08
	Malin Head ...	29.49	41	NW	8	chq	29.74	+.29	42	38	+ 4	N	6	bc	6	chq	*	42	35	0.23
	Belmullet ...	29.88	43	NW	5	bcqp	29.99	+.22	43	40	+ 1	N	3	b	*	bcqhp	*	43	35	0.05
	Donaghadee ...	29.56	39	NW	6	cqp	29.74	+.18	38	37	+ 2	W	5	bc	3	cqp	*	42	33	0.15
	Liverpool (Bidston)	29.55	38	W	8	c	29.65	+.09	41	38	- 2	W	6	0	6	qhr	*	44	37	0.09
	Holyhead ...	29.62	40	NW	8	cqh	29.75	+.10	42	40	- 2	NW	8	cq	7	cqprh	*	44	38	0.09
	Parsonstown ...	29.82	37	W	1	bc	29.92	+.18	37	35	- 6	W	1	b	*	bc,rs	5.6	45	35	0.03
	Valencia ...	29.97	44	NW	6	cq	30.04	+.11	43	39	- 5	NW	5	cqp	4	cq	4.2	49	39	0.03
	Roche's Point ..	29.89	42	WNW	4	bq	29.99	+.11	40	38	- 1	NNW	4	b	3	bq	*	48	38	0.05
	Pembroke (St. Ann's Hd.)	29.76	42	NW	7	c	29.87	+.09	42	40	- 6	NW	6	b	5	c	2.0	48	39	-
	Scilly	29.88	49	WNW	6	cq	29.97	-.01	46	43	- 3	NW	5	c	4	cp, cq	5.1	51	42	0.01
	Prawle Point ...	29.81	44	W	6	r	29.91	.00	39	37	- 7	WNW	4	bc	4	p	*	50	35	0.06
	Jersey (St. Aubin's)	29.86	49	W	7	cqp	29.94	-.07	43	40	- 5	W	7	cqm	5	cqp	*	52	46	0.21
	Hurst Castle ...	29.72	45	WNW	5	cqp	29.78	-.07	40	38	- 6	W	5	b	3	cqp.sp	*	51	38	0.07
	Dungeness ...	29.63	43	W	5	oqhr	29.66	-.13	40	38	- 4	W	6	b	5	bc.qhr	*	50	35	0.06
	North Foreland	29.60	41	W	6	c	29.59	-.19	37	35	- 5	WSW	6	c	4	c	*	51	34	0.06
	London (Brixton) ...	29.65	40	NW	4	b	29.66	-.10	39	36	- 5	W	4	b	*	ors, bq	1.6	53	35	0.04
	Oxford	29.66	38	W	6	b	29.70	-.04	38	35	- 5	W	4	b	*	p, b	*	50	34	0.08
	Cambridge ...	29.57	37	W	3	b	?29.60	-.09	38	37	- 5	WSW	4	b	*	rsq, b	1.8	50	34	0.14
	Yarmouth ...	29.46	40	WNW	6	cq	29.45	-.18	37	35	- 6	W NW	6	bcq	4	cqrs, q	*	46	33	0.11
Germany & Holland	Cuxhaven ...	29.35	40	S	6	r	29.27	-.41	33	33	- 2	SW	5	rs	*	r	*	40	32	0.39
	Berlin	29.63	37	SW	3	r	29.48	-.42	35	33	+ 1	WSW	3	b	*	r	*	45	34	0.16
	Wiesbaden ...	*	*	*	*	*	29.65	-.36	37	35	+ 2	SW	2	bc	*	*	*	43	35	0.39
	Munich... ..	29.92	38	SW	6	0	29.73	-.38	33	33	- 1	NW	5	s	*	0	*	39	32	0.04
	The Helder ...	29.38	37	W	5	bc	29.34	-.28	39	36	- 4	W	6	bc	3	bc	*	45	34	0.24
Belgium.	Brussels ...	*	*	*	*	*	29.62	-.23	35	34	- 5	WSW	5	c	*	0	*	45	33	0.32
	Cape Gris Nez...	?29.62	44	NW	7	0	?29.60	-.20	41	36	- 5	WNW	7	c	7	0	*	48	30	0.12
	Paris	29.85	47	SW	4	r	29.86	-.18	37	35	- 2	SW	2	b	*	r	*	51	37	0.16
	Brest	30.02	60	WNW	5	c	30.02	-.10	46	41	- 3	NW	4	c	3	c	*	52	39	-
	Lorient... ...	30.00	50	W	5	r	30.04	-.09	45	45	- 5	NW	4	c	4	r	*	54	39	0.08
France &	Rochefort ...	30.19	50	WNW	4	0	30.09	-.16	48	47	+ 1	NW	5	0	*	0	*	54	43	0.12
	Belfort	29.99	40	WSW	7	0	29.84	-.29	32	32	- 3	W	7	s	*	0	*	43	32	-
	Lyons	30.15	44	S	1	0	30.01	-.22	45	39	+ 7	SW	2	0	*	0	*	47	38	-
	Nice	30.02	48	E	0	b	29.92	-.11	43	37	+ 2	E	0	b	0	b	*	57	41	-
	Perpignan ...	30.20	52	N	2	b	30.15	-.10	38	37	- 8	W	2	b	*	b	*	60	35	-
	Biarritz ...	30.17	52	NNE	3	b	30.10	-.14	48	45	+ 1	SSW	3	0	2	b	*	55	45	-
Penin-sula.	Corunna ...																*			
	Lisbon	30.13	61	SSE	3	b	30.17	.00	48	47	- 6	NNE	4	bc	*	b	*	70	46	-
	Azores (P. Delgada)	30.10	58	NE	3	0	30.12	+.07	57	54	- 2	NE	3	c	3	0	*	64	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 4.0 hrs.

WEATHER CHARTS

FOR Wednesday, 2nd March, 1898

BAROMETER, WIND AND SEA.

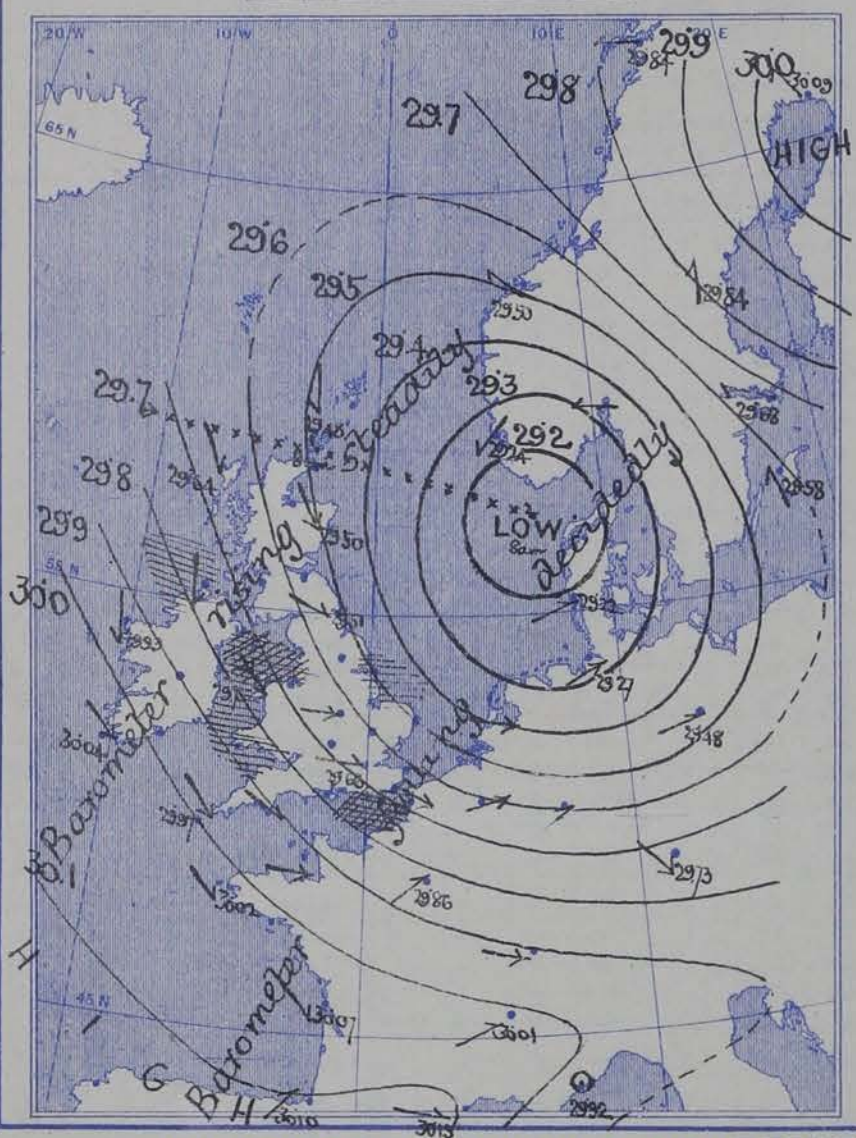
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▩


20 W
10 W
0
10 E
20 E
65 N
55 N
45 N
299
298
297
296
295
294
293
292
HIGH
LOW
Steady
Rising
Steadily
Barometer
Barometer
Barometer
Rising rapidly
Steadily
Rising
Rising rapidly
Steadily
Rising
Rising rapidly
Steadily
Rising

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·1 ins. and more to 29·9 ins., both over southwestern and northern Europe

Lowest, 29·2 ins. and less. in a depression lying over the North Sea, not far from the west of Denmark.

Gradients steep generally, favourable for NW. winds over our Islands, for SW. to S. over the eastern shores of the North Sea, and for E. to NE. over Scandinavia.

Barometer falling over France, Germany, and the Baltic, rising in our Islands, most in the north and northwest.

TEMPERATURE

Highest, 48° to 46° along the west coast of France, 46° at Lille, 43° at Valencia (Ireland) and Belmullet.

Lowest, (1) 24° at Haparanda, 34° at Stockholm; (2) 32° at Krefeld, 33° at Munich; (3) 37° to 40° over the northern and central parts of Great Britain.

It rose during yesterday to between 53° and 50° over the southern parts of England, but fell fast again as night came on: frost again occurred on the grass.

WIND

(1.) NW. over the British Islands, moderate at the Scotch stations, fresh to strong over Ireland, strong to a gale on the English and Welsh coasts and over the English Channel. (2) W. to SW., strong in Holland and Holstein, E. over Scandinavia.

Over the Bay of Biscay it is fresh to moderate from NW.

WEATHER

Continuing very changeable over our Islands, cold showers being frequent, but separated by intervals of very clear sky.

Showers of cold rain, hail, or sleet were very general yesterday, the amounts measured were not large at our own stations, but considerable on the eastern shores of the North Sea.

Bright Sunshine recorded yesterday amounted to 6·6 hrs at York, 5·9 hrs at Aberdeen, 5·6 hrs at Parsonstown, 5·1 hrs at Lilly, but less than 3 hrs: on our southeast coasts.

SEA

Very rough on our western coasts and at C. Finisterre, rough in the English Channel generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression is travelling southeastwards slowly. Strong NW. to N. winds and gales are still probable on the English and Irish coasts, but in the north quieter weather is indicated. Signals have been lowered on our northern coasts.

FORECASTS

For the 24 hours ending at NOON on 3RD MARCH 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW. winds, moderate to light; becoming very fair tonight.
1	SCOTLAND EAST	
↓ 2	ENGLAND N.E.	
↓ 3	ENGLAND EAST	NW. winds, strong, a gale in places; cold showers, bright intervals, very cold tonight.
4	MIDLAND COUNTIES	
↓ 5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos 0 to 2.
↓ 7	ENGLAND N.W.	Same as Nos 3 to 5.
↓ 8	ENGLAND S.W.	
↓ 9	IRELAND NORTH	
↓ 10	IRELAND SOUTH	
	WARNINGS	At 1030 am to districts 0, 1, 7 & 6 "Lower Cone" The Signals are still flying on our other coasts.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.26	40	36	ESE	6	c	4
Sumburgh Head	29.14	38	37	E	1	c	3
Stornoway	29.25	37	36	NNW	4	s	4
Aberdeen	29.23	40	34	W	5	bcq	3
Shields	29.34	40	36	SW	4	c	2
Ardrossan	29.39	41	41	WNW	6	c	4
Malin Head ...	29.46	38	37	WNW	7	cqrh	6
Belmullet	29.78	43	38	NW	6	bcqhp	*
Holyhead	29.61	42	39	WNW	8	bcqrp	7

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.94	45	41	WNW	6	cqr	6
Scilly	29.90	49	48	W	6	cp	4
Jersey	29.90	50	49	W	6	cqrp	5
Hurst Castle ...	29.70	50	47	WSW	5	cqrp	4
Dungeness ...	29.61	49	47	WSW	7	bc	5
North Foreland	29.58	51	47	SW	6	c	4
London (Westminster)	29.61	45	42	NW	6	rsqr	*
Yarmouth ...	29.47	43	40	WNW	5	cqrhs	4
Rochefort ...	30.24	52	50	NW	4	0	*

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

Weather in morning fine and bright over the coasts of Norway, and in some parts of North Germany and Denmark, as well as in the extreme south of Portugal, cloudy and very changeable elsewhere, with rain, hail, and sleet in many parts of our Islands, the Netherlands, and north of France, as well as over Hungary and the south of Russia. Considerable falls of rain, sleet &c reported over northern and central Europe, and smaller quantities over our Islands and the north of France; hail seen at Nairn.

Temperature risen over England, France, and Germany, but beginning to fall again in Scotland. Morning readings highest 55° at Algiers, 54° at Lisbon, 50° at Orient, 49° to 46° on our extreme southwest coasts; 44° at Holyhead and in London. Lowest (1) 5° at Archangel, 11° at Moscow and Kharkov, and considerably below the freezing point over Russia generally; (2) 30° to 32° over the north of Scotland, 34 at Leith. Rising later to between 50° and 58° over the southern parts of our Island to 54° on the southwest coasts of France, 57° at Nice, 60° at Perpignan, and 70° at Lisbon. Falling quickly over our Islands towards night and touching 29° at Stornoway and Wick.

Wind light and anticyclonic over Russia, Austria, the southwest of France and the Spanish Peninsula; cyclonic elsewhere (1) NW³ to SW³, fresh to a gale over Ireland and England, SW¹ to S³ over Germany, the Baltic and Sweden, SE² to E² in Norway, NE³ at Lerwick Hd. Strong to a gale later from the NW^ad over Ireland, England, and some parts of Scotland, and increasing in force on the eastern shores of the North Sea and the north coast of France.

Barometer highest (1) 30·5 in: to 30·1 in: over Russia; (2) 30·2 in: and more to 30·1 in: over Algeria, the Spanish Peninsula and the southwestern half of France; (3) Exceeding 30·0 in: in a "col" lying over Central Europe and connecting the Spanish and Russian anticyclones. Lowest, below 29·2 in: in a well marked depression lying over the northeast of Scotland, and about 29·9 in: in a large shallow system over Dalmatia and the Adriatic. The Scotch depression moving southeastwards slowly later, and barometer rising over Norway, Scotland, and Ireland.

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, 3rd March, 1898.

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 ...	30·15	18	E	2	c	30·18	+·04	11	11	- 19	ENE	4	S	#	c	#	28	11	0·04
	Hernösand ...	29·88	31	S	4	0	29·92	+·08	22	20	- 11	NE	4	O	#	O	#	34	22	0·20
	Stockholm ...	29·59	33	ENE	6	S	29·67	-·01	30	30	- 4	ENE	6	S	#	S	#	37	32	0·24
	Wisby	29·47	33	S	4	S	29·55	-·03	33	32	- 2	SE	4	S	#	S	#	37	32	0·35
	Karlstad ...	29·54	34	NE	4	O	29·56	+·05	31	29	- 3	ENE	4	O	#	O.S	#	#	#	-
	Bodö	29·93	32	E	4	b	29·98	+·14	27	24	- 5	E	4	b	1	b	#	36	27	-
	Christiansund ...	29·63	37	S	0	c	29·71	+·21	34	32	0	ESE	2	b	3	c	#	41	34	-
	Skudesnaes ...	29·56	38	NE	1	bc	29·67	+·43	32	29	- 8	NNE	2	b	1	c.bc	#	43	30	#
	Færder (Christiania Fjord)	29·50	35	NE	6	O	29·58	+·22	33	32	- 3	NE	6	O	3	O	#	36	33	-
	Skagen (The Scaw)	29·36	35	E	4	S	29·47	+·21	35	34	+ 1	ESE	3	S	O	S	#	37	32	0·35
	Fanö	29·31	32	NE	2	b	29·39	+·17	33	33	O	N	4	O	#	b	#	41	28	-
	Sumburgh Head	29·58	38	N	3	bc	29·70	+·22	36	35	O	NNW	2	c	3	b,bc	#	43	34	-
	Stornoway ...	29·74	38	ENE	3	O	29·86	+·22	36	35	- 1	N	4	O	4	bc.hp,o	3·6	44	33	0·15
	Wick	29·64	38	NW	3	c	29·71	+·21	36	35	+ 1	N	2	cp	2	O	#	45	33	-
	Nairn	29·70	38	NW	2	c	29·80	+·24	35	33	- 2	NNW	3	c	2	c	#	41	31	0·15
	Aberdeen ...	29·65	37	NW	5	bcq	29·73	+·23	35	34	- 3	NW	4	cq	3	bc.hrs	6·0	43	33	0·47
British Islands.	Leith	29·70	38	W	1	bc	29·78	+·22	35	32	- 5	W	2	bcm	#	bc	#	49	31	-
	Shields	29·65	41	NW	3	O	29·74	+·23	36	34	- 1	NNW	2	c	3	bc.p,o	#	45	31	-
	Spurn Head ...	29·61	41	NNW	5	c	29·66	+·21	36	34	- 3	NNW	4	cp	4	cp	#	43	35	0·01
	York	29·65	41	NW	1	b	29·73	+·21	32	31	- 7	NW	1	b	#	b	7·3	47	30	-
	Loughborough ...	29·73	41	NNW	4	bc	29·77	+·18	32	31	- 6	NNW	2	bm	#	bc,q,c,b	#	48	31	-
	Ardrossan ...	29·71	41	NW	5	bcqph	29·82	+·16	38	37	- 3	N	2	b	1	c q hp	#	45	33	0·01
	Malin Head ...	29·82	42	NNW	5	bc	29·88	+·14	40	39	- 2	N	5	bcp	4	bc	#	43	36	0·10
	Belmullet ...	29·96	41	N	3	bc	30·00	+·01	39	38	- 4	ENE	5	O	#	b, hp	#	45	32	0·05
	Donaghadee ...	29·83	41	NNW	5	b	29·85	+·11	39	38	+ 1	N	4	b	2	b	#	46	33	0·05
	Liverpool (Bidston)	29·76	42	NNW	5	bc	29·80	+·15	37	35	- 4	NNW	1	b	?	bcp	#	44	34	0·05
	Holyhead ...	29·83	41	NNW	6	qthrs	29·81	+·06	40	38	- 2	NNW	5	c	4	bc, qthrs	#	46	38	0·01
	Parsonstown ...	29·93	39	N	1	O	29·92	-·00	32	31	- 5	S	O	O	#	b, r	6·7	47	29	0·10
	Valencia ...	30·03	43	N	4	bc	29·93	-·11	39	37	- 4	N	3	ohp	4	chp,bc	6·2	49	35	0·3
	Roche's Point ..	29·99	42	NW	4	b	29·92	-·07	36	35	- 4	N	3	cp	3	rsp,b	#	44	35	0·04
	Pembroke (St. Ann's Hd.)	29·89	36	NW	6	S	29·85	-·02	40	37	- 2	N	3	bc	4	b, s	8·4	45	36	0·14
	Scilly	29·96	46	NW	4	c	29·86	-·11	44	41	- 2	NNW	3	cp	3	c	7·6	49	40	0·07
	Prawle Point ...	29·92	41	NNW	3	b	29·85	-·06	35	34	- 4	NNW	2	b	2	b	#	48	31	-
	Jersey (St. Aubin's)	29·93	46	NNW	5	bc	29·85	-·09	40	38	- 3	NNW	3	cpw	3	bc.p	#	50	38	0·12
	Hurst Castle ...	29·83	44	NNW	4	bc	29·82	+·04	37	36	- 3	SW	1	bn	2	cph.bc	#	48	33	-
	Dungeness ...	29·74	42	NW	3	cq	29·77	+·11	35	34	- 5	W	3	b	2	c.cq	#	48	30	-
	North Foreland	29·74	42	W	7	bc	29·73	+·14	36	35	- 1	W	6	b	4	c.bc	#	46	32	-
	London (Brixton) ...	29·76	40	NW	4	b	29·79	+·13	33	32	- 6	WSW	3	b	#	pth.bv	2·7	47	30	-
	Oxford	29·80	37	SW	3	c	29·81	+·11	30	30	- 8	SW	2	bc	#	c,h,c	#	48	29	0·01
	Cambridge ...	29·72	41	W	4	b	29·77	+·17	32	31	- 6	W	2	b	#	bq	5·0	49	30	-
	Yarmouth ...	29·60	40	NNW	4	bcm	29·66	+·21	35	34	- 2	NNW	5	cms	4	bcm	#	43	32	0·03
Germany & Holland.	Cuxhaven ...	29·23	34	W	2	O	29·37	+·10	32	32	- 1	NE	2	f	#	S. O	#	36	32	0·47
	Berlin	29·42	36	SW	4	r	29·48	·00	35	33	O	WSW	3	O	#	r	#	43	34	0·08
	Wiesbaden ...	*	*	*	*	*	?	?	37	35	O	W	2	bc	#	*	#	43	34	0·04
	Munich... ..	29·88	33	SW	6	b	29·81	+·08	32	31	- 1	SW	4	bc	#	b	#	36	30	0·24
	The Helder ...	29·46	41	NNW	7	c	29·55	+·21	40	38	+ 1	N	2	c	2	c	#	43	37	0·08
Belgium.	Brussels ...	*	*	*	*	*	29·73	+·11	35	33	O	WSW	4	b	#	b	#	41	33	0·04
	Cape Gris Nez...	?29·72	44	NNW	6	O	?29·73	+·13	38	37	- 3	NW	5	bc	5	O	#	45	36	-
	Paris	29·90	43	W	4	c	29·87	+·01	31	31	- 6	SSW	2	bc	#	c	#	51	30	0·04
	Brest	30·03	46	NW	3	c	29·88	-·14	44	43	- 2	NW	3	c	3	c	#	50	39	0·04
	Lorient... ...	30·02	46	NW	5	c	29·93	-·11	42	41	- 3	NW	3	c	3	c	#	52	39	-
France &	Rochefort ...	30·11	48	NW	4	bc	30·03	-·06	44	41	- 4	NNW	3	bc	#	bc	#	52	41	0·04
	Belfort	29·89	38	W	6	c	29·88	+·04	33	32	+ 1	WSW	6	S	#	C	#	45	32	0·08
	Lyons	30·04	41	SW	1	O	30·01	·00	30	29	- 5	SSE	1	hs	#	O	#	48	38	0·04
	Nice	29·76	53	NNW	6	b	29·76	-·16	47	37	+ 4	W	2	b	4	b	#	66	43	-
	Perpignan ...	30·05	52	E	O	b	30·02	-·13	46	45	+ 8	SW	2	O	#	b	#	62	?	0·04
	Biarritz ...	30·10	53	W	4	O	30·03	-·07	45	44	- 3	SSE	4	r	4	O	#	54	45	0·12
Penin-sula.	Corunna ...																#			
	Lisbon	30·13	56	NNW	4	b	30·08	-·09	53	49	+ 5	N	1	b	#	b	#	64	48	-
	Azores (P. Delgada)	30·21	58	ENE	4	O	30·21	+·09	56	52	- 1	NE	4	c	2	O	#	64	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 8·5 hrs;

WEATHER CHARTS

FOR Thursday, 3rd March 1898

BAROMETER, WIND AND SEA.

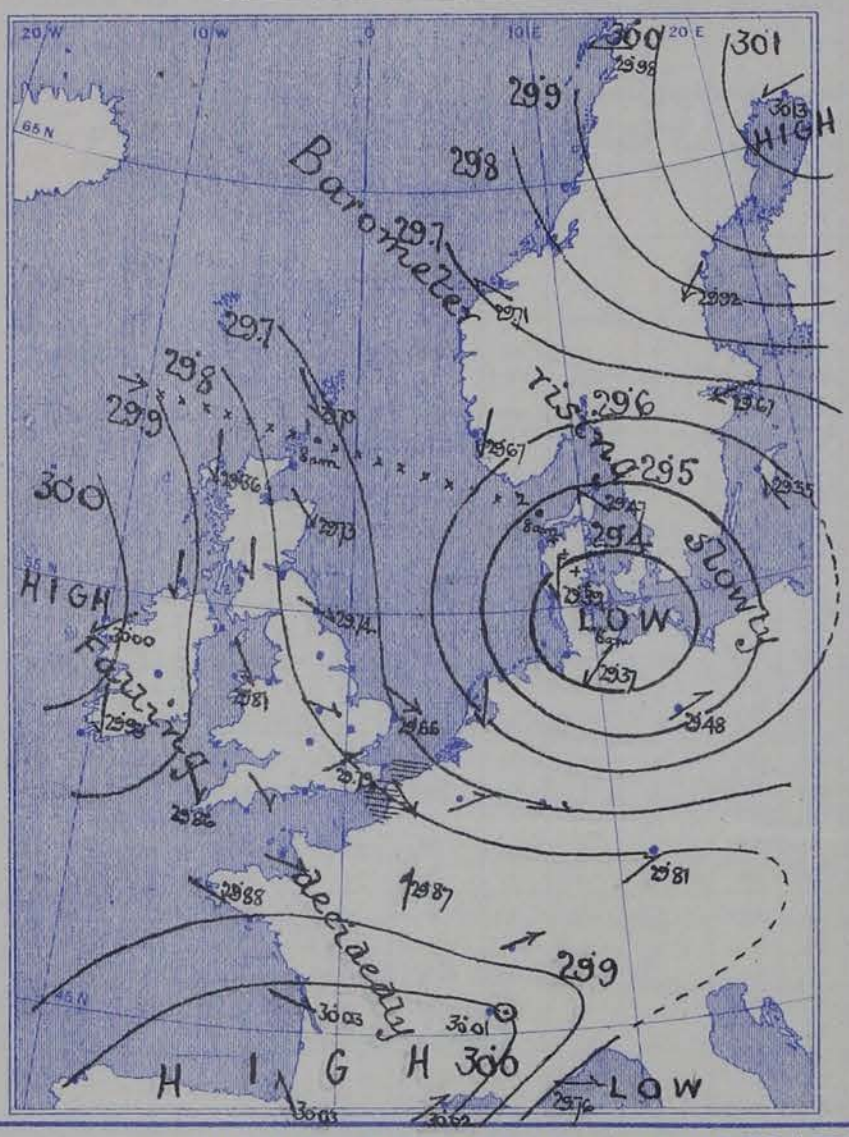
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▨

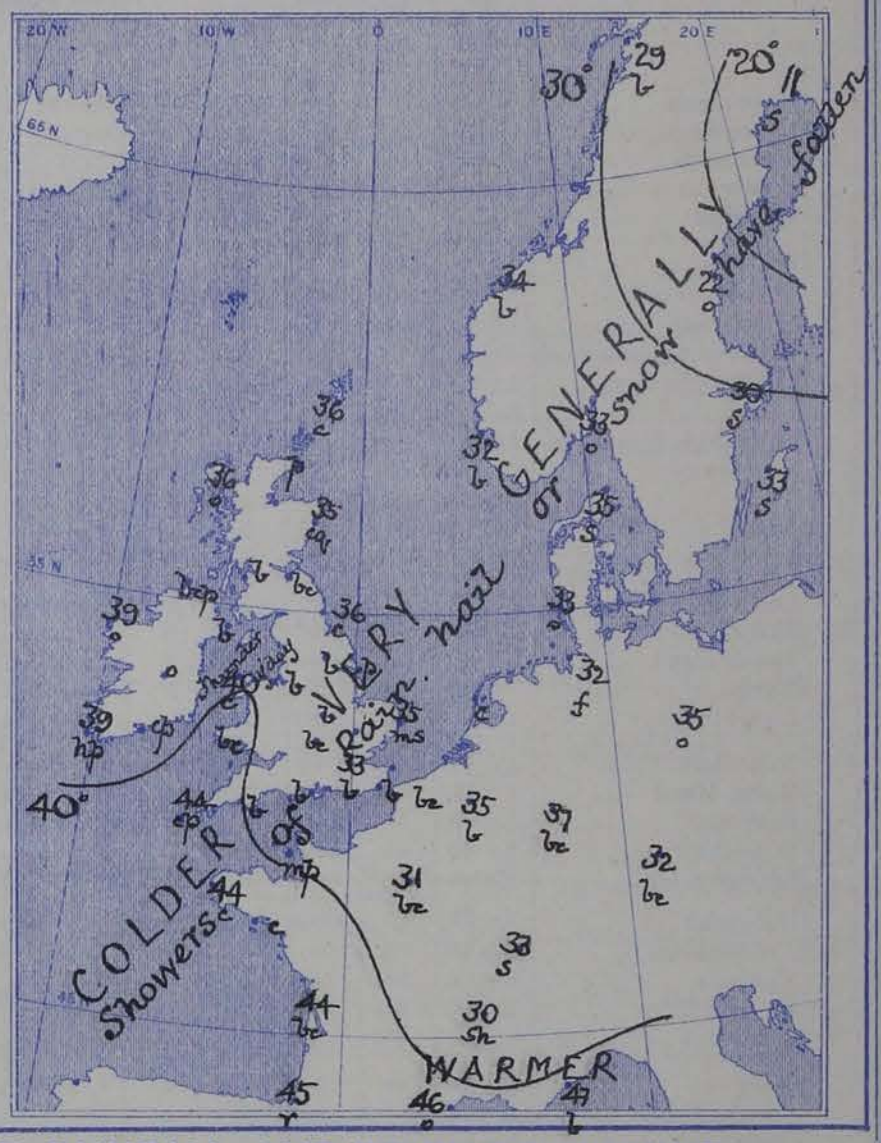


TEMPERATURE & WEATHER.

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 in: and more over Lapland and the northern parts of Sweden and Finland; (2) 30·0 in: and more in the extreme northwest of Ireland and over the southeastern parts of France.
Lowest, Below 29·4 in: in a depression over Holstein and North Germany.
Gradients moderate and changing quickly in direction
Barometer rising in the north and east, but beginning to fall decidedly on our southwest coasts and over the Bay of Biscay.

TEMPERATURE

Highest, 45° to 42° on the west coast of France and at Scilly.
Lowest, (1) 11° at Haparanda, 22° at Hernösand, 30° at Stockholm; 30° to 33° over Central England; (3) 30° to 33° over Central France and South Germany.
Sharp frost has prevailed over our inland districts during the night, the minima on the grass being 22° in London, and 24° at Oxford and Loughborough

WIND

Light to moderate over our Islands generally — N½ over Scotland and Ireland, NW½ to W½ over England and also over France.
It is still rather squally along our northeast and east coasts, but the gales have all died down.

WEATHER

Clear (temporarily) over England and the north of France, showery on many parts both of our eastern and western coasts, and not at all settled anywhere.
Showers of cold rain sleet and hail over our Islands generally, and at many of the Continental stations; at Aberdeen and Valencia the falls were considerable. Bright Sunshine recorded yesterday amounted to more than 8 hrs: at Southport, Pembroke, Brighton and Eastbourne, and was very large at almost all stations.

SEA

Moderate on our coasts generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the east is filling up. The distribution of pressure, however, is very complex, and there are some indications of a depression coming towards the mouth of the English Channel from the westward.

FORECASTS

For the 24 hours ending at NOON on 4TH MARCH 1898

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	N½ to NE½ breezes, moderate to light; fair, colder.	6 SCOTLAND WEST	Same as Nos 0 to 2
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	Weather veering to NE; weather changeable, some rain or sleet.
3 ENGLAND EAST	NW½ and Varying breezes; fine today, cold tonight, unsettled tomorrow.	9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND 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 ...	29.39	43	38	NE	4	c	2
Sumburgh Head	29.54	41	39	N	3	b	4
Stornoway	29.69	43	40	NNW	4	bc	4
Aberdeen	29.59	38	36	NNW	5	bcqpsh	4
Shields	29.61	44	38	NNW	4	bc	2
Ardrossan	29.69	45	42	NW	7	bcqshp	4
Malin Head ...	29.81	43	38	NNW	5	bc	4
Belmullet	29.86	44	39	NW	4	b	*
Holyhead	29.82	45	42	NW	7	bc	6

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.04	42	40	W	1	chp	4
Scilly	29.99	48	44	NW	4	c	3
Jersey	29.95	50	44	WNW	6	bc	5
Hurst Castle ...	29.83	46	42	NW	5	cp	4
Dungeness ...	29.71	47	43	WNW	6	c	5
North Foreland	29.68	44	41	W	7	c	4
London (Westminster)	29.73	45	40	NW	5	cp	*
Yarmouth ...	29.57	43	39	NW	6	bcq	4
Rochefort ...	30.12	50	47	NNW	3	c	*

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

Weather in morning temporarily very fine and bright over the greater part of our Islands and the northern part of France as well as on the coast of Norway; fine also over Spain and the southern side of the Mediterranean, fair but dull over the north of Russia; very unsettled elsewhere, with sleet or cold rain in many parts of France, Germany, Denmark, Russia, and Finland. Sleet, hail and rain showers, later, over the western parts of the British Islands and many parts of Continental Europe, thunder heard at Holyhead.

Temperature fallen decidedly over England and the north of France, risen in Scotland. Morning readings highest 55° at Algiers, 54° at San Fernando, and 53° at Sanguinaires; 48° at Rochefort, 46° at Scilly, 43° at Jersey and along the west coast of Ireland. Lowest 1° F. at Archangel, 11° at Moscow, 22° at St. Petersburg, and below the freezing point all over Russia, Finland and Lapland; (2) 31° at Belfort, 33° at Munich; below 40° over the inland parts of England and Ireland. Not touching 50° over Great Britain and Ireland later, but rising to 51° at Paris and 66° at Nice. Falling rapidly over the British Islands towards night.

Wind light and anticyclonic over Spain on the one hand and the north of Russia on the other. Cyclonic over the whole of our Islands and northwestern Europe— NW[3] over the United Kingdom, W[3] and SW[3] over North Germany, SE[3] over the Baltic Provinces and Finland, SE[3] to E[3] over Scandinavia. A small, but independent, cyclonic circulation prevailing over the northern parts of the Mediterranean. Wind moderating in force over our Islands later.

Barometer highest (1) 30·5 in: and more to 30·0 in: over the northern and central parts of Russia; (2) 30·2 in: and more to 30·0 in: over southwestern and southern Europe, and the extreme southwest of Ireland. Lowest (also (1)) 29·2 in: in a depression lying off the west coast of Denmark and spreading over the North Sea generally; (2) about 29·9 in: in a small system off the Riviera. Rising over the British Islands later, falling in Portugal.

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, 4th March, 1898.

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 ...	30·16	8	NE	2	bc	30·26	+·13	8	7	− 3	E	2	0	*	bc	*	23	5	? 1·26
	Hernösand ...	30·00	14	N	4	S	30·03	+·11	14	13	− 8	NE	4	S	*	S	*	32	12	0·12
	Stockholm ...	29·72	24	N	4	S	29·71	+·04	22	22	− 8	NW	2	S	*	S	*	34	22	0·20
	Wisby	29·60	30	NE	4	S	29·67	+·12	30	29	− 3	N	6	0	*	S	*	34	28	-
	Karlstad ...	29·88	24	NNE	2	bc	29·86	+·30	17	16	− 14	N	4	bc	*	bc	*	*	*	-
	Bodö	30·05	23	E	4	bc	30·08	+·10	16	13	− 11	E	6	b	2	bc	*	27	16	-
	Christiansund ...	29·83	33	ESE	4	b	29·98	+·27	27	24	− 7	ESE	4	b	3	b	*	39	27	-
	Skudesnaes ...	29·80	38	S	2	0	29·87	+·20	34	33	+ 2	SSW	2	bc	2	b, o	*	41	30	*
	Færder (Christiania Fjord)	29·80	31	NNE	4	0	29·89	+·31	23	21	− 10	N	6	bc	2	0	*	34	23	-
	Skagen (The Scaw)	29·78	31	E	4	0	29·87	+·40	26	25	− 9	NE	3	c	0	0	*	37	25	0·04
	Fanö	29·69	33	NE	2	b	29·85	+·46	31	29	− 2	NE	4	0	*	b	*	39	31	-
British Islands.	Sumburgh Head	29·78	36	N	4	0	29·96	+·26	35	34	− 1	N	1	0	4	bc, o	*	42	33	0·30
	Stornoway ...	29·98	38	N	4	0	30·12	+·26	35	33	− 1	N	4	0	4	bc, o	4·5	40	32	0·20
	Wick	29·87	38	N	3	0	29·97	+·26	39	37	+ 3	NE	3	bc	2	0	*	44	34	0·05
	Nairn	29·91	37	NNW	3	c	30·03	+·23	37	37	+ 2	NNW	3	0	3	c	*	40	33	0·12
	Aberdeen ...	29·84	36	NW	2	c	29·94	+·21	38	37	+ 3	NW	4	c qrrpk	4	ql. cp	3·3	40	34	0·21
	Leith	29·83	39	NNE	3	0	29·96	+·18	38	35	+ 3	NNW	3	0	*	0	*	49	33	0·01
	Shields	29·79	39	N	2	c	29·89	+·15	37	35	+ 1	NW	3	c	3	c, phr	*	43	33	0·19
	Spurn Head ...	29·74	38	NNW	4	c	29·86	+·20	37	36	+ 1	NW	2	cp	3	cv	*	40	35	0·10
	York	29·77	39	NNW	1	c	29·90	+·17	34	34	+ 2	NNW	1	orsp	*	c	3·1	43	31	0·02
	Loughborough ...	29·78	39	NNW	2	c	29·88	+·11	35	34	+ 3	NNW	1	ogm	*	bc. c. om	*	43	32	-
	Ardrossan ...	29·86	41	W	4	c	30·01	+·19	39	37	+ 1	W	3	b	2	bc. c	*	46	34	-
	Malin Head ...	29·93	41	N	6	cp	30·08	+·20	38	37	− 2	N	6	bc pm	4	bc. cp	*	42	36	-
	Belmullet ...	30·05	38	NNE	4	bc ph	30·20	+·20	40	38	+ 1	ENE	5	b	*	cpqh	*	45	35	0·35
	Donaghadee ...	29·89	42	N	6	bc	30·03	+·18	40	37	+ 1	N	6	b	2	bc	*	45	38	-
	Liverpool (Bidston)	29·83	40	NW	2	c	29·94	+·14	37	34	0	N	3	b	2	bc	*	42	34	-
	Holyhead ...	29·85	42	N	3	bc	29·98	+·17	40	38	0	NNE	5	bc	4	bcp, bc	*	43	36	-
	Parsonstown ...	29·96	37	W	0	bc	30·09	+·17	34	33	+ 2	N	1	b	*	bc. p, b	7·6	45	30	0·02
	Valencia ...	30·03	44	N	5	bc hqlp	30·11	+·18	42	38	+ 3	NNE	6	bcql	4	bcq. hpq	7·5	45	36	0·08
	Roche's Point ..	29·98	43	N	3	b	30·15	+·23	38	36	+ 2	N	4	b	3	b	*	46	35	-
	Pembroke (St. Ann's Hd.)	29·85	39	N	2	bc	29·92	+·07	38	36	− 2	ENE	3	b	3	bc	5·7	43	35	0·02
	Scilly	29·81	43	N	5	cp	29·87	+·01	39	36	− 5	NE	1	c	1	rhp, kl	1·4	46	35	0·28
	Prawle Point ...	29·81	37	NNW	2	bc	29·86	+·01	34	32	− 1	N	3	b	2	chp, l	*	50	31	0·02
	Jersey (St. Aubin's)	29·78	42	NNE	3	bc	29·77	−·08	37	31	− 3	NW	2	ogmp	2	g. prh	*	46	35	0·11
	Hurst Castle ...	29·78	40	NNW	1	cu	29·82	·00	36	36	− 1	NNE	2	rm	2	cp. sp	*	48	32	0·01
	Dungeness ...	29·74	38	N	2	c	29·78	+·01	38	37	+ 3	NNE	3	cfgp	2	bc. c	*	49	24	0·01
	North Foreland	29·77	38	NNW	1	c	29·79	+·06	38	38	+ 2	N	3	c	3	b, c	*	44	32	0·03
	London (Brixton) ...	29·78	37	N	3	op	29·84	+·05	34	34	+ 1	ENE	3	oq	*	c. ors	4·2	44	32	0·35
	Oxford	29·81	37	NW	2	o	29·87	+·06	35	34	+ 5	N	2	of	*	c. s. o	*	45	30	0·04
	Cambridge ...	29·78	37	NNW	1	r	29·88	+·11	34	34	+ 2	N	2	f	*	c. r	4·6	45	31	0·21
	Yarmouth ...	29·70	37	NW	3	bc	29·82	+·16	39	37	+ 4	NE	4	b	4	c. bc	*	40	33	0·02
Germany & Holland.	Cuxhaven ...	29·58	34	N	3	bc	29·80	+·43	34	34	+ 2	N	1	0	*	bc	*	39	32	0·24
	Berlin	29·59	33	NNW	3	b	29·74	+·26	35	34	0	NNW	3	0	*	b	*	37	32	0·20
	Wiesbaden ...	*	*	*	*	*	29·82	?	31	30	− 6	W	2	c	*	*	*	43	28	-
	Munich	29·84	32	W	5	b	29·83	+·02	26	25	− 6	S	3	b	*	b	*	37	32	0·04
	The Helder ...	29·71	39	NW	1	bc	29·82	+·27	37	36	− 3	W	0	b	1	bc	*	43	36	0·04
Belgium.	Brussels ...	*	*	*	*	*	29·81	+·08	34	32	− 1	ENE	1	b	*	b	*	44	30	-
	Cape Gris Nez ...	? 29·73	45	?	2	m	? 29·75	+·02	36	34	− 2	E	1	bc	1	m	*	45	32	-
	Paris	29·79	36	NE	2	bc	29·74	−·13	34	34	+ 3	NE	2	r	*	bc	*	48	31	0·08
	Brest	29·76	42	ENE	2	c	29·81	−·07	35	34	− 9	ENE	2	c	1	c	*	48	32	0·16
	Lorient	29·72	45	NNW	2	0	29·77	−·16	36	36	− 6	N	4	c	2	0	*	52	36	-
France &	Rochefort ...	29·83	46	NNW	3	0	29·73	−·30	43	41	− 1	NNE	2	0	*	. 0	*	52	41	-
	Belfort	29·86	34	SW	3	0	29·78	−·10	32	30	− 1	NE	1	0	*	0	*	44	31	-
	Lyons	29·90	40	S	1	bc	29·78	−·23	35	33	+ 5	E	1	0	*	bc	*	48	30	-
	Nice	29·74	48	NE	4	b	29·82	+·06	39	34	− 8	E	1	bc	2	b	*	57	39	-
	Perpignan ...	29·91	50	W	0	0	29·72	−·30	43	41	− 3	W	2	c	*	0	*	57	41	-
	Biarritz ...	29·89	50	NSW	4	c	29·63	−·40	48	46	+ 3	NW	3	r	2	c	*	52	45	0·08
Peninsula.	Corunna ...																*			
	Lisbon	29·97	53	NNW	4	b	29·82	−·26	51	50	− 2	NW	4	r	*	b	*	63	50	-
	Azores (P. Delgada)	30·26	55	NE	4	bc	30·21	·00	55	51	− 1	NNE	1	bc	2	bc	*	61	52	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Chart 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 9·0 hrs;

WEATHER CHARTS

FOR Friday, 4th March, 1898

BAROMETER, WIND AND SEA.

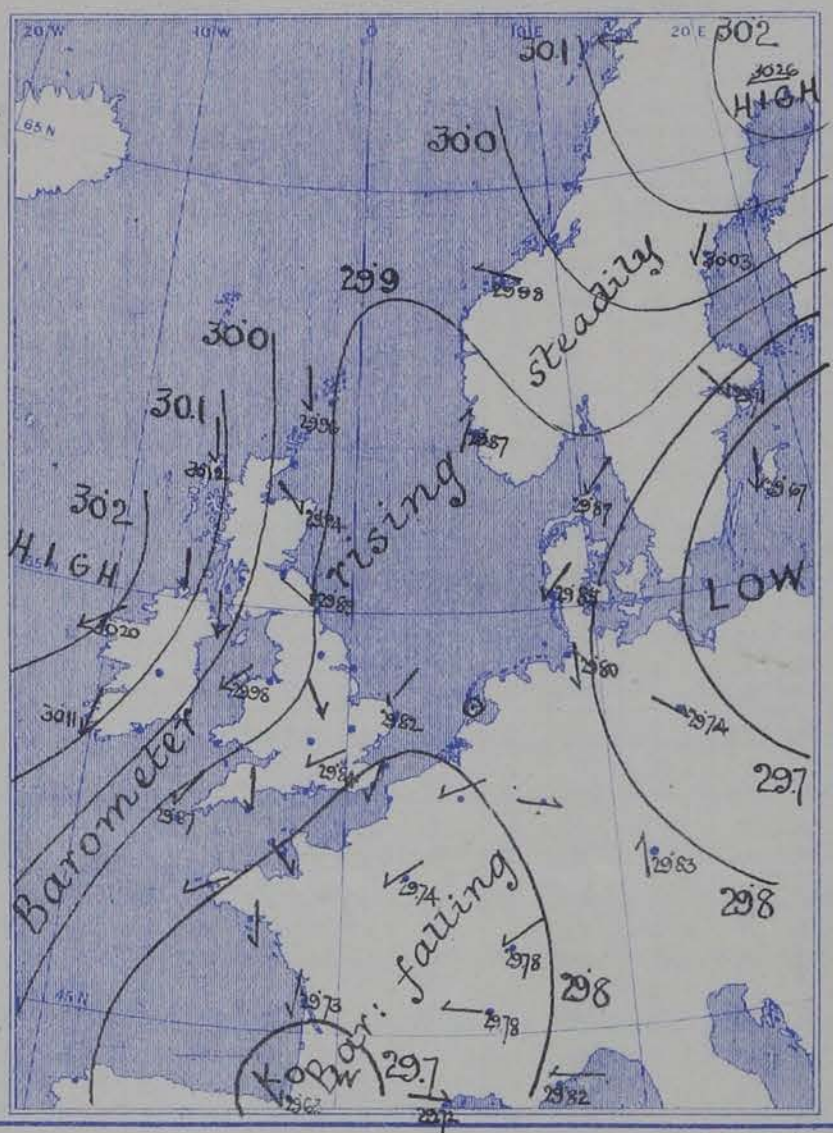
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▩

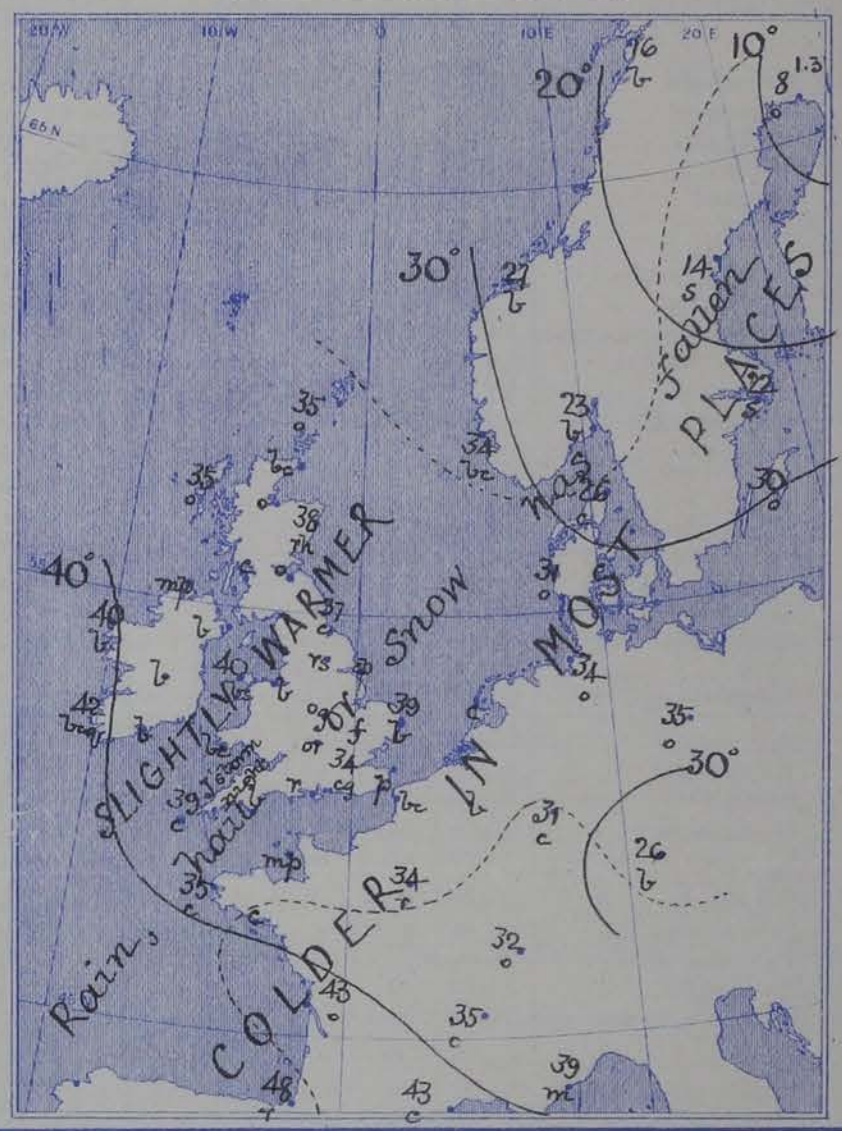


TEMPERATURE & WEATHER.

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 in: and more to 30·0 in: both over the northern parts of Scandinavia and over the western and southwestern parts of our Islands.
Lowest, Below 29·7 in: in a large depression over the Baltic and North Germany, and in a smaller one over the southwest of France.
Gradients slight to moderate, and mainly favourable for N^ly^ breezes over the United Kingdom.
Barometer rising slowly throughout the United Kingdom and Scandinavia, falling over the southwestern parts of France.

TEMPERATURE

Highest, 51° at Lisbon. 48° to 43° over the southwestern parts of France, 42° at Valencia (Ireland).
Lowest, (1) 8° at Haparanda, 17° at Karlstad, 26° at the Scaw: (2) 26° at Munich, 34° at Brussels and Paris; 34° to 35° over the inland parts of Ireland and England.
Frost occurred over our inland districts during the night.

WIND

N^ly^ as a whole over Western Europe generally, but veering a little between NW. and NE. in a few localities — notably over the North Sea and the southwest of France. In force it is moderate to light.

WEATHER

Very fine over the western parts of our Islands, but still changeable, with occasional snow and cold rain showers, separated by intervals of clear sky. Biarritz reports rain.
Cold showers have fallen generally over Great Britain — the heaviest was that of rain and wet snow in London last night. Thunder and lightning occurred in the southwest of England.
Bright Sunshine yesterday amounted to 9hrs or more at Southport and Hastings, to more than 8hrs at Llandudno and Eastbourne, and to more than 7hrs: at the Irish stations.

SEA

Smooth on our southern coasts, moderate to slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Further cold showers (from very shallow disturbances off our east coasts) are likely to occur over England and France today. A spell of cold N^ly^ winds is probable over our Islands generally.

FORECASTS

For the 24 hours ending at NOON on 5TH MARCH 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW^ly^ and N^ly^ breezes, moderate; fair generally. Very cold tonight.
1	SCOTLAND EAST	
2	ENGLAND N.E.	N^ly^ breezes, moderate to light; a few slight cold showers. Clear and very cold tonight.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	N^ly^ breezes, moderate; fair, cold. Frost inland tonight.
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 ...	29.73	41	35	ENE	2	b	1
Sumburgh Head	29.78	40	38	N	3	bc	4
Stornoway	29.92	39	38	N	4	c	4
Aberdeen	29.78	36	35	NW	4	cqs	4
Shields	29.76	43	39	NNW	4	c	3
Ardrossan	29.84	44	42	W	4	bc	2
Malin Head ...	29.91	42	39	N	5	bc	4
Belmullet	30.04	43	40	N	5	cqp	*
Holyhead	29.87	43	39	NNE	2	b	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.98	45	40	NNE	5	bcqs	5
Scilly	29.85	40	39	N	4	op	3
Jersey	29.81	45	43	NE	2	c	2
Hurst Castle ...	29.78	47	42	NSW	3	qp	2
Dungeness ...	29.75	47	42	NSW	3	bc	2
North Foreland	29.77	43	40	W	4	b	2
London (Westminster)	29.76	42	37	NW	3	cqp	*
Yarmouth ...	29.70	40	38	NNW	4	c	4
Rochefort ...	29.95	50	46	W	3	c	*

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

Weather in morning fine and bright on the Norwegian coast as well as over many parts of the British Islands and the Spanish Peninsula, also over Greece and the south of Italy: very changeable elsewhere, with snow at a large number of stations over Northern Europe and the Baltic and cold showers at several stations in the United Kingdom. Considerable rain and wet snow over the east of England later, showers over Great Britain generally. Thunder and lightning observed over the southwest of England.

Temperature falling except over the Mediterranean and south of Russia. Morning readings highest 62° at San Fernando, 56° at Algiers, 54° at Athens, and at Lephotie, 53° at Lisbon; 45° to 42° along the west coast of France, 40° at Holyhead and Malin Head. Lowest (1) 3° at Archangel, 8° at Moscow, 11° at Haparanda and Kuopio, and below the freezing point all over Russia; (2) 30° at Lyons, 31° at Paris; (3) 30° to 33° over the inland parts of England and Ireland. Rising later to between 44° and 50° over many parts of England and France, and reaching 57° at Nice and Perpignan, and 63° at Lisbon.

Wind light to strong from between N. and W over the greater part of our Islands and France, moderate from between W. and S. over Germany; moderate to strong from between SE. and NE. over northern Europe; (2) a small cyclonic circulation prevalent over the southeast of France, the north of Italy, and southwest of Austria; (3) light and anticyclonic over the Spanish Peninsula, and very light from the S.ward over the south of Russia.

Barometer highest (1) 30·5 in: and more to 30·0 in: over the north of Russia, with Finland and Lapland, and exceeding 30·0 in: over the south of Russia and the southern shores of the Mediterranean; (2) 30·1 in: and more to 30·0 in: over the Iberian Peninsula and the southwest of France, and exceeding 30·0 in: off the northwest of Ireland. Lowest 29·4 in: and less, in a large disturbance over the northeastern parts of Germany, and below 29·8 in: in a complex disturbance over the Riviera, the north of Italy and the southwest of Austria. Other "V" shaped secondary systems found in various parts both of Western and 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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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 5th March, 1898.

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 ...	29.34	8	E	2	0	30.31	+.05	10	9	+ 2	E	2	c	#	0	#	12	0	0.04
	Hernösand ...	30.12	16	N	4	0	30.12	+.09	15	14	+ 1	N	4	S	#	0	#	16	10	0.04
	Stockholm ...	29.84	38	W	0	0	29.91	+.20	24	23	+ 2	NE	4	0	#	0	#	36	21	0.08
	Wisby	29.76	32	NW	4	0	29.84	+.17	31	30	+ 1	NW	4	0	#	0	#	32	28	0.08
	Karlstad ...	29.83	22	N	2	0	29.89	+.03	28	27	+ 11	NE	2	S	#	0.S	#	#	#	0.08
	Bodö	30.12	15	E	2	b	30.12	+.04	18	16	+ 2	E	6	b	3	b	#	?	14	-
	Christiansund ...	29.96	28	ESE	2	b	29.89	-.09	26	25	- 1	ESE	3	b	3	b	#	30	25	-
	Skudesnaes ...	29.89	32	ENE	2	b	29.87	.00	29	28	- 5	ENE	2	bc	1	b	#	37	27	#
	Færder (Christiania Fjord)	29.84	26	NNE	4	0	29.88	-.01	25	24	+ 2	N	6	0	2	0	#	27	23	-
	Skagen (The Scaw)	29.89	27	NNE	2	c	29.88	+.01	27	27	+ 1	W	0	S	0	c	#	28	25	0.12
	Fanö	29.93	30	NE	1	b	29.88	+.03	30	28	- 1	SE	3	b	#	b	#	36	27	-
British Islands.	Sumburgh Head	29.98	35	N	2	0	29.79	-.17	36	35	+ 1	W	0	c	3	r.0	#	38	30	-
	Stornoway ...	30.12	36	N	4	bc	29.72	-.40	36	35	+ 1	SW	3	0	3	c.bc	4.5	39	32	0.05
	Wick	29.98	37	NW	2	c	29.76	-.21	29	27	- 10	W	0	c	0	c	#	41	25	0.05
	Nairn	30.06	36	NNW	3	c	29.85	-.18	29	28	- 8	N	2	S	2	c	#	39	27	0.03
	Aberdeen ...	30.00	35	NW	4	cq	29.86	-.08	31	29	- 7	WSW	2	bc	1	rs.bcq	6.9	42	28	0.08
	Leith	30.00	39	WNW	3	c	29.88	-.08	33	31	- 5	N	2	c	#	c	#	46	30	-
	Shields	29.92	39	N	3	c	29.91	+.02	33	32	- 4	NNW	2	c	4	rsp.c.sp	#	49	32	0.15
	Spurn Head ...	29.84	37	NNW	3	c	29.85	-.01	36	35	- 1	NNW	1	bc	3	cp	#	41	34	0.10
	York	29.89	37	N	1	bc	29.89	-.01	33	32	- 1	N	1	b	#	cp	3.2	42	30	0.03
	Loughborough ...	29.89	39	N	1	0	29.90	+.02	35	34	0	NNE	1	om	#	gmpcq	#	43	34	0.02
	Ardrossan ...	30.03	40	NW	3	b	29.88	-.13	34	34	- 5	NE	1	ofq	1	b	#	45	31	-
	Malin Head ...	30.10	39	NNE	5	cph	29.86	-.22	38	37	0	S	5	cq	3	c.hp	#	41	37	0.01
	Belmullet ...	30.20	40	NNE	4	b	29.91	-.29	41	40	+ 1	WSW	4	0	#	bchp.b	#	44	33	0.05
	Donaghadee ...	30.05	42	N	6	bc	29.94	-.09	34	32	- 6	W	4	bc	2	bc	#	45	31	-
	Liverpool (Bidston)	29.95	40	NNW	3	b	29.93	-.01	35	33	- 2	N	1	bc	1	b	#	42	33	-
	Holyhead ...	29.98	42	N	5	cp	29.95	-.03	39	36	- 1	NE	1	c	1	c.cp	#	43	36	-
	Parsonstown ...	30.10	39	N	1	b	30.00	-.09	29	28	- 5	W	0	c	#	b	6.4	44	26	-
	Valencia ...	30.14	43	NNE	5	bcq	30.04	-.07	36	34	- 6	NE	1	0	3	bq	8.2	45	34	0.01
	Roche's Point ...	30.13	42	NNE	4	b	30.04	-.11	35	33	- 3	N	2	bc	3	b	#	45	33	-
	Pembroke (St. Ann's Hd.)	29.97	40	NE	4	b	29.94	+.02	36	35	- 2	ENE	3	cp	3	b	8.1	43	34	0.06
	Scilly	29.91	42	NNE	5	chp	29.95	+.08	42	39	+ 3	NNW	4	c	1	hp.l	6.8	45	36	0.06
	Prawle Point ...	29.88	37	NNE	3	c	29.92	+.06	35	33	+ 1	N	3	0	2	csp	#	45	30	0.01
	Jersey (St. Aubin's)	29.82	40	NE	3	bcm	29.85	+.08	41	38	+ 4	N	3	cm	3	s.cpm	#	43	36	0.06
	Hurst Castle ...	29.84	42	NE	3	csp	29.86	+.04	36	34	0	NNW	2	ogm	2	cm.csp	#	44	34	0.03
	Dungeness ...	29.80	40	NNE	4	bc	29.78	.00	32	32	- 6	N	2	c	1	c.bc.s	#	42	30	0.01
	North Foreland	29.86	39	N	3	bc	29.81	+.02	39	38	+ 1	NNE	4	bc	4	bc	#	40	36	-
	London (Brixton) ...	29.85	39	NNE	2	0	29.85	+.01	35	34	+ 1	W	0	om	#	rsp.o	1.4	44	34	0.01
	Oxford	29.90	34	NE	1	0	29.88	+.01	35	34	0	NNE	1	0	#	crsp	#	43	34	-
	Cambridge ...	29.88	32	N	2	0	29.89	+.01	32	32	- 2	N	1	fq	#	c.0	3.6	45	30	-
	Yarmouth ...	29.84	40	NE	3	bv	29.83	+.01	38	35	- 1	NE	4	b	4	bbv	#	43	35	-
Germany & Holland.	Cuxhaven ...	29.89	34	ENE	2	0	29.88	+.08	31	31	- 3	ESE	2	c	#	0	#	36	28	-
	Berlin	29.90	33	N	2	b	29.91	+.17	30	29	- 5	NE	3	b	#	b	#	37	28	-
	Wiesbaden ...	#	#	#	#	#	29.65	-.17	37	34	+ 6	NE	2	0	#	#	#	43	31	-
	Munich	29.75	32	NE	4	b	29.59	-.24	31	30	+ 5	E	2	0	#	b	#	41	26	-
	The Helder ...	29.85	38	ENE	2	b	29.84	+.02	33	32	- 4	E	1	b	2	b	#	41	32	-
Belgium, France &	Brussels ...	#	#	#	#	#	29.72	-.09	32	30	- 2	ENE	4	0	#	0	#	42	31	-
	Cape Gris Nez ...	29.76	40	E	4	c	29.73	-.02	39	38	+ 3	E	5	0	5	c	#	43	32	-
	Paris	29.70	36	N	2	r	29.62	-.12	33	32	- 1	NNW	4	r	#	r	#	37	32	0.63
	Brest	29.85	40	NE	4	r	29.89	+.08	38	36	+ 3	NE	3	c	1	r	#	45	32	0.43
	Lorient	29.80	41	N	5	0	29.88	+.11	38	38	+ 2	NNW	4	0	4	0	#	45	34	-
	Rochefort ...	29.78	42	NE	3	b	29.86	+.13	33	32	- 10	NE	4	0	#	0.b	#	46	32	0.08
	Belfort	29.67	37	E	3	r	29.63	-.15	32	32	0	W	2	S	#	r	#	45	32	0.32
	Lyons	29.62	43	S	3	r	29.72	-.06	32	32	- 3	NNW	1	r	#	r	#	46	32	0.47
	Nice	29.77	41	ENE	2	r	29.65	-.17	45	43	+ 6	W	0	r	2	r	#	54	39	0.67
	Perpignan ...	29.59	51	NW	3	c	29.67	-.05	42	39	- 1	W	3	0	#	c	#	62	42	-
	Biarritz ...	29.70	43	NW	4	r	29.73	+.10	39	36	- 9	E	2	0	3	r	#	48	37	0.75
Penin-sula.	Coruna ...																#			
	Lisbon	29.79	48	N	4	0	29.78	-.04	45	40	- 6	N	5	b	#	0	#	54	41	0.12
	Azores (P. Delgada)	30.32	54	ENE	4	c	30.41	+.20	53	47	- 2	ENE	3	bc	3	c	#	61	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.*

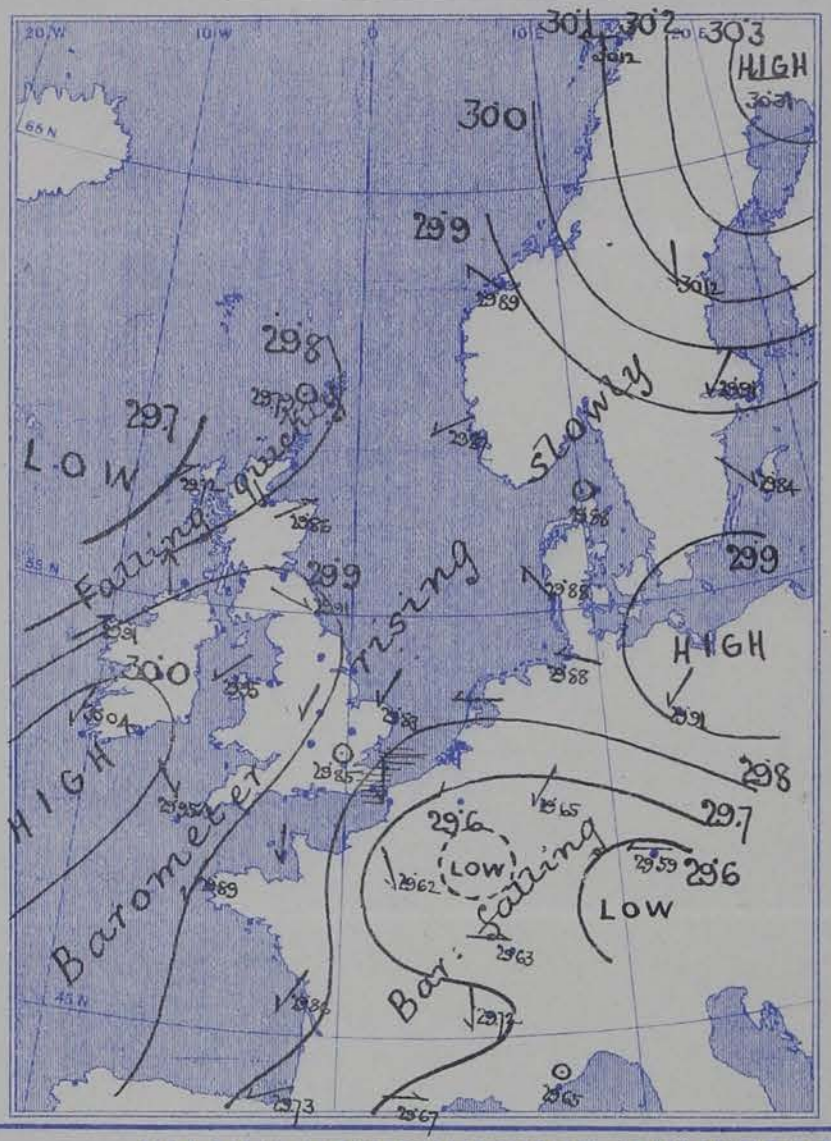
Bright Sunshine yesterday Southport 6.9 hrs;

WEATHER CHARTS

FOR Saturday, 5th March 1898

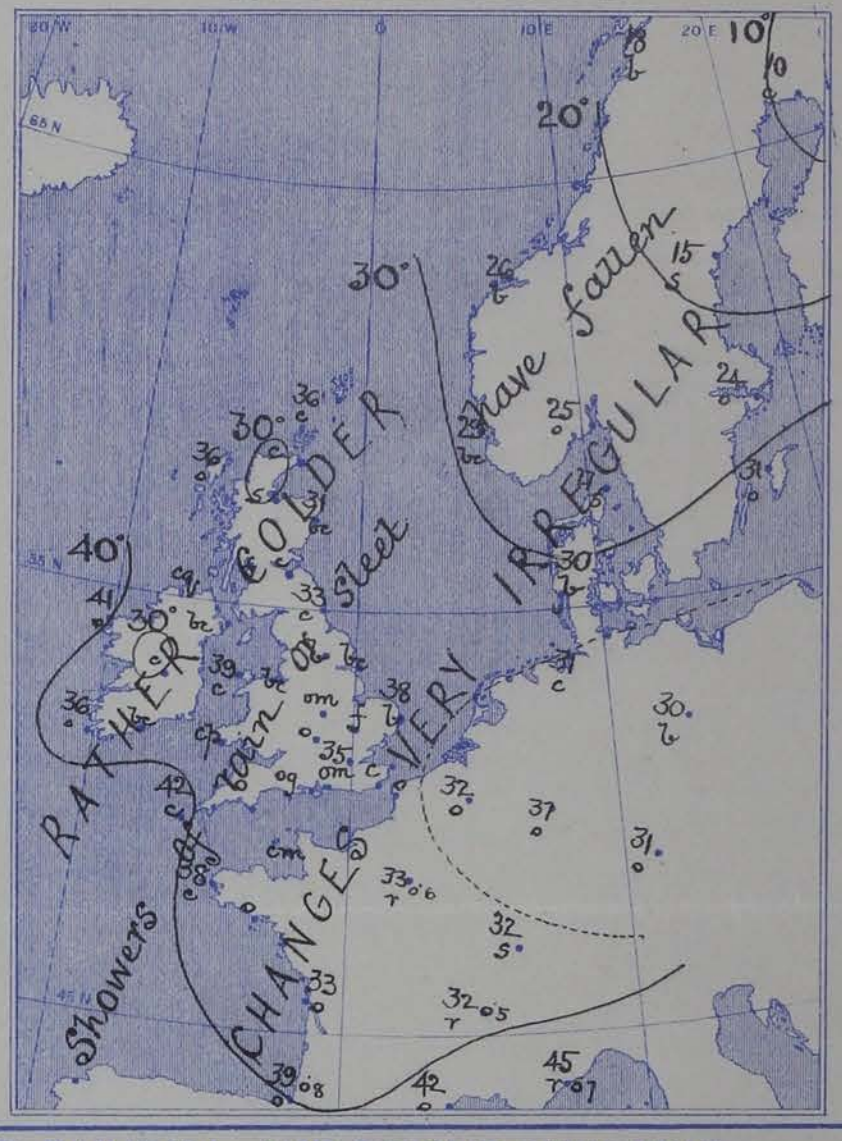
BAROMETER, WIND AND SEA.

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	13	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) 303 ins: and more to 300 ins: over Lapland and the north of Scandinavia; (2) 300 ins: and more over the southern parts of Ireland, and neighbouring parts of the Atlantic.
Lowest, Below 29·8 ins: in complex depressions over France and South Germany, and 29·7 ins: and less, in a new disturbance approaching our northwest coasts from the Atlantic.
Gradients slight to moderate, and increasing for SW^{ly} winds in the northwest of our Islands.
Barometer falling fast over Scotland, slowly on our southwestern coasts.

TEMPERATURE

Highest, 45° to 42° on the south coast of France, 42° at Scilly, 41° at Belmullet.
Lowest, (1) 10° to 18°F. on the northern parts of Sweden and Norway, 28° at Karlstad; (2) 31° at Munich, 32° at Lyons and Brussels, 33° at Paris (3) 29° at Wick Nairn, and Parsonstown, 33° at York, 35° at Oxford.
Sharp frost has been felt over the inland and northeastern parts of our Islands during the night.

WIND

(1). E^{ly} over Holland, NE^{ly} to N^{ly} over England, NW^{ly} (W to N) over France (2) SW^{ly} and S^{ly} on our northwestern coasts, E^{ly} in the west of Norway.

WEATHER

Fine over Norway, England, and Ireland, unsettled over France and Germany, with rain or snow at several of the French stations.
There have been slight cold showers over many parts of our Islands and Sweden yesterday, and very considerable falls over France in the night.
Bright Sunshine recorded yesterday was greatest over Ireland and the western parts of Great Britain. At our southeastern stations it did not exceed 2 hrs:

SEA

Moderate to smooth

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The northerly breeze over England appears to be dying out. The new depression in the northwest is spreading over us with greater energy, and S^{ly} to SW winds with milder wetter weather are probable shortly.

FORECASTS

For the 24 hours ending at NOON on 6th MARCH 1898

DISTRICTS.		FORECASTS.
▼ 0	SCOTLAND NORTH	SW^{ly} breezes, strong to a gale, with rain.
1	SCOTLAND EAST	Wind backing to SW; milder, fine at first, showery later.
2	ENGLAND N.E.	
3	ENGLAND EAST	Same as No 5
4	MIDLAND COUNTIES	Same as Nos 1 and 2
5	ENGLAND SOUTH	Wind shifting to SW, light; fine today probably rainy again tomorrow.
▼ 6	SCOTLAND WEST	Same as No 0
7	ENGLAND N.W.	SW^{ly} winds, light, fine; then strong, unsettled, rainy, mild.
8	ENGLAND S.W.	
▼ 9	IRELAND NORTH	Same as No 0.
▼ 10	IRELAND SOUTH	
	WARNINGS	At 10·15 am to districts 0, 6, and parts of 9 and 10 "Hoist South Cone".

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.54	37	35	S	0	bc	1
Sumburgh Head	29.98	36	35	N	3	r	4
Stornoway	30.13	39	35	N	4	c	4
Aberdeen	29.97	39	37	NW	4	bcq	4
Shields	29.90	42	40	N	3	c	3
Ardrossan	30.01	44	41	NW	4	b	2
Malin Head ...	30.11	40	38	NNE	5	c	4
Belmullet	30.20	43	40	NNE	4	bchp	*
Holyhead	29.99	42	39	N	5	c	4
Valencia	30.13	64	39	NNE	5	bq	5
Scilly	29.89	45	40	NNE	5	cp	1
Jersey	29.79	41	39	NE	4	c	3
Hurst Castle ...	29.87	43	40	NE	4	cm	3
Dungeness ...	29.78	40	39	NNE	5	c	4
North Foreland	29.83	40	39	N	3	bc	2
London (Westminster)	29.83	44	38	NNE	1	ors	*
Yarmouth ...	29.84	43	40	NNE	3	b	3
Rochefort ...	29.75	42	41	NNE	3	o	*

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

Weather in morning fine and bright over Ireland and the west of Norway, as well as on the southern side of the Mediterranean, cloudy and very changeable in other places, with snow over Russia, Sweden, and North Germany, rain over France. Considerable falls of rain occurring over France later, and slight showers of sleet in many parts of our Islands, snow in Sweden; lightning reported at Scilly.

Temperature fallen fast over northern Europe, changing little and irregularly elsewhere. Morning readings highest, 61° at Algiers, 58° at Malta, 51° at Lisbon; 48° at Biarritz, 42° at Valencia (Ireland), 40° at Belmullet. Lowest (1) 2° at Archangel, 8° at Haparanda, 14° at Moscow, and below 20° over Lapland. Finland, and the northern half of Russia; (2) 26° at Munich, 31° at Wiesbaden, 34° at Paris; 34° to 35° over the inland parts of England and Ireland. Touching 45° at very few of our stations later, and not exceeding 54° even at these.

Wind (1) E. to N. over northern Europe, but SW. over South Germany, SE. over the Baltic Provinces; (2) N. (NW to NE) over the British Isles and north of France, but NW. to W. over Spain, SW. to SE. over Italy. Very little change later, as far as the British Islands and northwestern Europe are concerned.

Barometer (1) highest 30·6 in. to 30·0 in. over northern Europe generally; (2) 30·2 in. to 30·0 in. over Ireland and the west of Holland; (3) 29·9 in. to 30·0 in. over southeastern Europe. Lowest, 29·6 in. and less to 29·7 in. in a depression over north Germany and the Baltic, and 29·7 in. and less to 29·8 in. in a large shallow system over France and the Spanish Peninsula. Falling over Central France later, rising slightly over 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.

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 6th March, 1898.

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 ...	30·32	3	E	2	b	30·35	+ ·04	14	13	+ 4	SE	2	c	*	b	*	16	−2	—
	Hernösand ...	30·17	13	2	0	b	30·23	+ ·11	14	13	— 1	N	2	s	*	b	*	18	10	—
	Stockholm ...	30·04	23	2	0	0	30·12	+ ·21	25	24	+ 1	NNE	2	0	*	0	*	34	21	0·08
	Wisby	30·04	25	SE	4	b	30·02	+ ·18	28	27	— 3	E	4	0	*	b	*	34	23	—
	Karlstad ..	30·02	21	NE	2	s	30·13	+ ·24	17	16	— 11	N	2	0	*	s	*	*	*	0·12
	Bodö	30·09	19	E	6	b	30·14	+ ·02	15	12	— 3	E	6	b	1	b	*	23	14	—
	Christiansund ...	29·91	29	ESE	1	b	29·99	+ ·10	28	27	+ 2	ESE	1	b	2	b	*	32	25	—
	Skudesnaes ...	29·92	32	ESE	2	b	29·94	+ ·07	31	29	+ 2	E	4	c	1	s,b	*	?	?	*
	Færder (Christiania Fjord)	29·95	28	ENE	4	0	30·08	+ ·20	22	21	— 3	NE	5	0	3	0	*	28	21	0·32
	Skagen (The Scaw)	29·91	31	SSE	2	s	30·00	+ ·12	26	25	— 1	ESE	6	c	2	s	*	30	25	0·24
	Fano	29·82	30	SE	2	b	29·82	− ·04	30	29	0	ENE	1	c	*	b	*	36	30	—
British Islands.	Sumburgh Head	29·69	34	SSE	2	s	29·73	−·06	37	36	+ 1	SE	5	0	6	s	*	40	34	0·08
	Stornoway ..	29·48	40	S	4	0	29·59	−·13	36	35	0	W	2	0	2	r,0	0·0	40	33	0·20
	Wick	29·58	36	SE	3	0	29·61	−·15	38	38	+ 9	SW	1	d	2	0	*	38	27	0·10
	Nairn	29·59	36	2	0	c	29·63	−·22	34	33	+ 5	2	0	c	1	c	*	38	25	0·05
	Aberdeen ...	29·69	34	SW	2	osg	29·71	−·15	37	35	+ 6	SW	1	c	1	osg	1·4	37	31	0·15
	Leith	29·69	38	SW	1	0	29·67	−·21	38	35	+ 5	SSW	1	b	*	0	*	42	32	—
	Shields	29·75	39	SE	3	c	29·72	−·19	30	30	— 3	SW	2	f	3	c	*	42	29	—
	Spurn Head ...	29·77	38	SSE	2	b	29·73	−·12	37	35	+ 1	SSE	3	bc	3	r,b	*	44	34	0·01
	York	29·77	40	SSE	1	c	29·73	−·16	32	31	— 1	SSE	1	b	*	c	5·4	43	29	—
	Loughborough ...	29·80	39	SW	1	c	29·74	−·16	30	29	— 5	ESE	1	cm	*	bc,bm,c	*	46	29	—
	Ardrossan ...	29·63	40	SSW	4	r	29·64	−·24	37	37	+ 3	ENE	3	of	2	d	*	41	33	0·13
	Malin Head ...	29·57	38	SSW	4	c	29·59	−·27	37	37	— 1	SW	1	bcm	1	c	*	40	34	0·15
	Belmullet ...	29·72	41	NNW	3	bcp	29·70	−·21	38	37	— 3	NNW	4	ohp	0	bc,bcp	*	47	35	0·14
	Donaghadee ...	29·69	36	W	3	r	29·61	−·33	36	36	+ 2	W	3	c	1	r	*	42	32	0·19
	Liverpool (Bidston)	29·77	38	2	0	bc	29·67	−·26	33	32	— 2	SE	2	s	?	bc	*	41	32	0·02
	Holyhead ...	29·75	40	SSW	2	chp	29·62	−·33	37	36	— 2	SE	1	dm	1	o,chp	*	44	36	0·56
	Parsonstown ...	29·71	39	2	0	r	29·75	−·25	32	31	+ 3	2	0	b	*	c,p,b	0·9	40	28	0·04
	Valencia ...	29·78	45	NW	3	bc	29·72	−·32	40	39	+ 4	2	0	op	3	r,bc	1·6	49	35	0·25
	Roche's Point ..	29·76	43	SSW	2	bc	29·69	−·35	38	36	+ 3	N	3	b	3	r,bc	*	44	35	0·22
	Pembroke (St. Ann's Hd.)	29·67	40	WSW	4	0	29·64	−·30	39	38	+ 3	E	2	p	3	c,0	2·1	43	35	0·42
	Scilly	29·82	43	W	4	op	29·64	−·31	43	40	+ 1	NNW	5	cp	2	cp,op	4·3	45	37	0·09
	Prawle Point ...	29·84	39	N	3	c	29·60	−·32	40	39	+ 5	S	5	rw	4	c	*	45	34	0·12
	Jersey (St. Aubin's)	29·83	44	WNW	3	bcm	29·71	−·14	38	37	— 3	SSE	5	orm	2	bcm	*	45	32	0·06
	Hurst Castle ...	29·82	39	NW	1	bcm	29·70	−·16	41	38	+ 5	S	3	orm	2	bcm	*	44	30	—
	Dungeness ...	29·77	38	N	4	c	29·76	−·02	38	36	+ 6	S	3	bc	2	c	*	44	26	—
	North Foreland	29·80	38	N	4	bc	29·77	−·04	34	34	— 5	NSW	2	b	2	bc	*	41	30	—
	London (Brixton) ...	29·87	39	N	2	bc	29·76	−·09	33	30	— 2	SE	2	bc	*	bc,b	2·7	42	28	—
	Oxford	29·80	34	W	1	b	29·73	−·15	32	30	— 3	SE	1	0	*	b	*	43	29	—
	Cambridge ...	29·82	35	N	1	b	29·76	−·13	29	29	— 3	N	1	c	*	b	1·6	43	26	—
	Yarmouth ...	29·79	39	NE	3	b	29·77	−·06	34	33	— 4	WNW	1	b	3	b	*	41	29	—
Germany & Holland.	Cuxhaven ...	29·82	32	E	2	b	29·70	−·18	32	32	+ 1	NE	4	s	*	b	*	34	30	—
	Berlin	29·77	34	NE	3	r	29·67	−·24	34	34	+ 4	NE	1	s	*	r	*	37	?	0·08
	Wiesbaden ...	*	*	*	*	*									*	*	*			
	Munich	29·63	35	SW	3	c	29·68	+ ·09	33	33	+ 2	NW	4	0	*	c	*	43	30	—
	The Helder ...	29·78	36	NE	2	b	29·76	−·08	34	32	+ 1	N	1	bc	1	b	*	37	32	—
Belgium.	Brussels ...	*	*	*	*	*	29·78	+ ·06	30	29	— 2	N	3	bc	*	s	*	32	30	0·16
	Cape Gris Nez	29·74	39	ENE	4	c	29·74	+ ·01	35	30	— 4	SE	1	c	1	c	*	43	28	—
	Paris	29·73	33	NNW	3	c	29·84	+ ·22	27	27	— 6	SE	1	b	*	c	*	34	27	0·04
	Brest	29·87	43	NNW	1	bc	29·68	−·21	41	41	+ 3	NNW	1	c	2	bc	*	46	36	0·32
	Lorient... ...	29·87	43	NNW	4	c	29·69	−·19	43	43	+ 5	SW	5	r	3	c	*	48	36	0·12
France &	Rochefort ...	29·89	43	NNW	4	c	29·91	+ ·05	37	34	+ 4	NNW	3	b	*	c	*	48	32	—
	Belfort	29·68	33	WSW	2	0	29·76	+ ·13	30	30	— 2	SW	4	s	*	0	*	38	29	0·47
	Lyons	29·78	35	NW	2	0	29·84	+ ·12	32	31	0	NW	2	s	*	0	*	41	32	0·04
	Nice	29·56	42	ENE	5	r	29·51	−·14	45	44	0	2	0	0	3	r	*	48	41	1·10
	Perpignan ...	29·71	43	NW	4	0	29·75	+ ·08	40	34	— 2	NW	4	b	*	0	*	48	38	—
	Biarritz ...	29·81	45	N	5	b	29·84	+ ·11	40	35	+ 1	S	3	0	2	b	*	46	36	—
Peninsula.	Corunna ...	29·99	50	N	6	b	29·95		49	45		WNW	7	r	3	b	*	52	37	0·16
	Lisbon	29·95	48	NNW	6	b	30·10	+ ·32	46	42	+ 1	NNE	5	b	*	b	*	52	45	—
	Azores (P. Delgada)	30·50	54	NE	3	c	30·47	+ ·06	51	46	— 2	N	4	0	2	c	*	59	48	—

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 Sunday, 6th March, 1898

BAROMETER, WIND AND SEA.

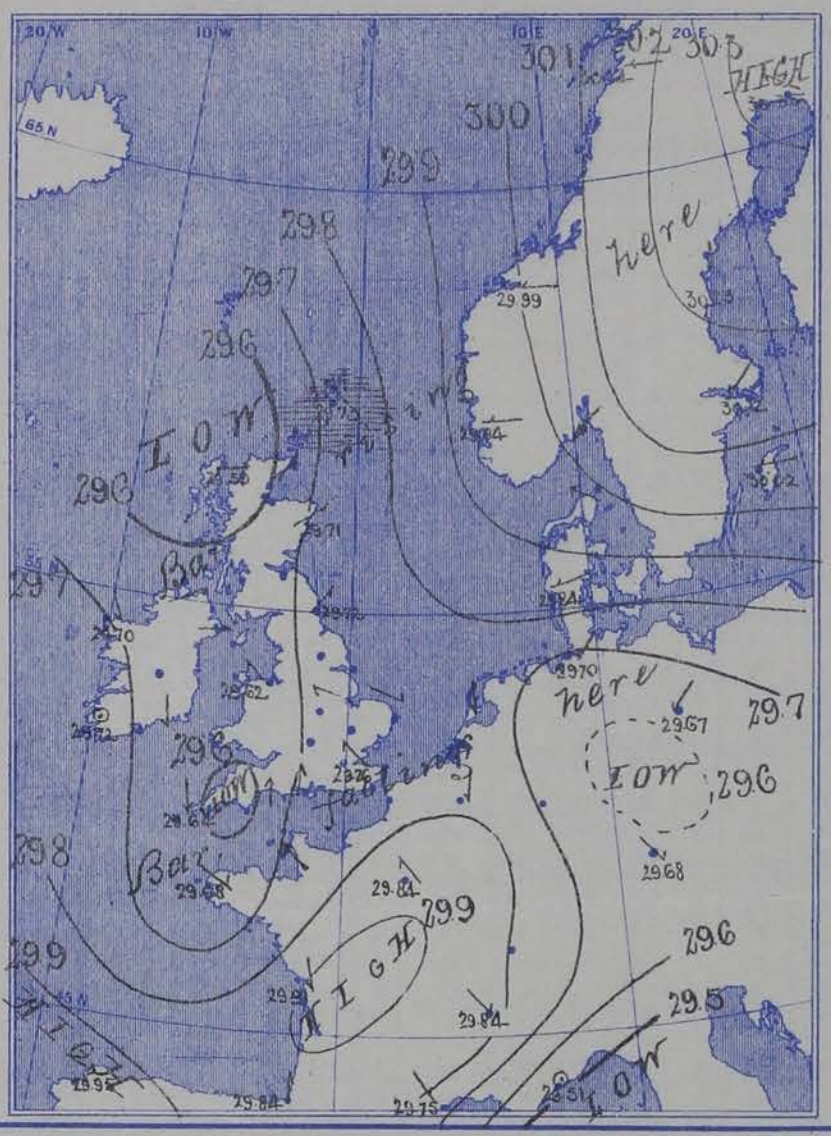
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▬

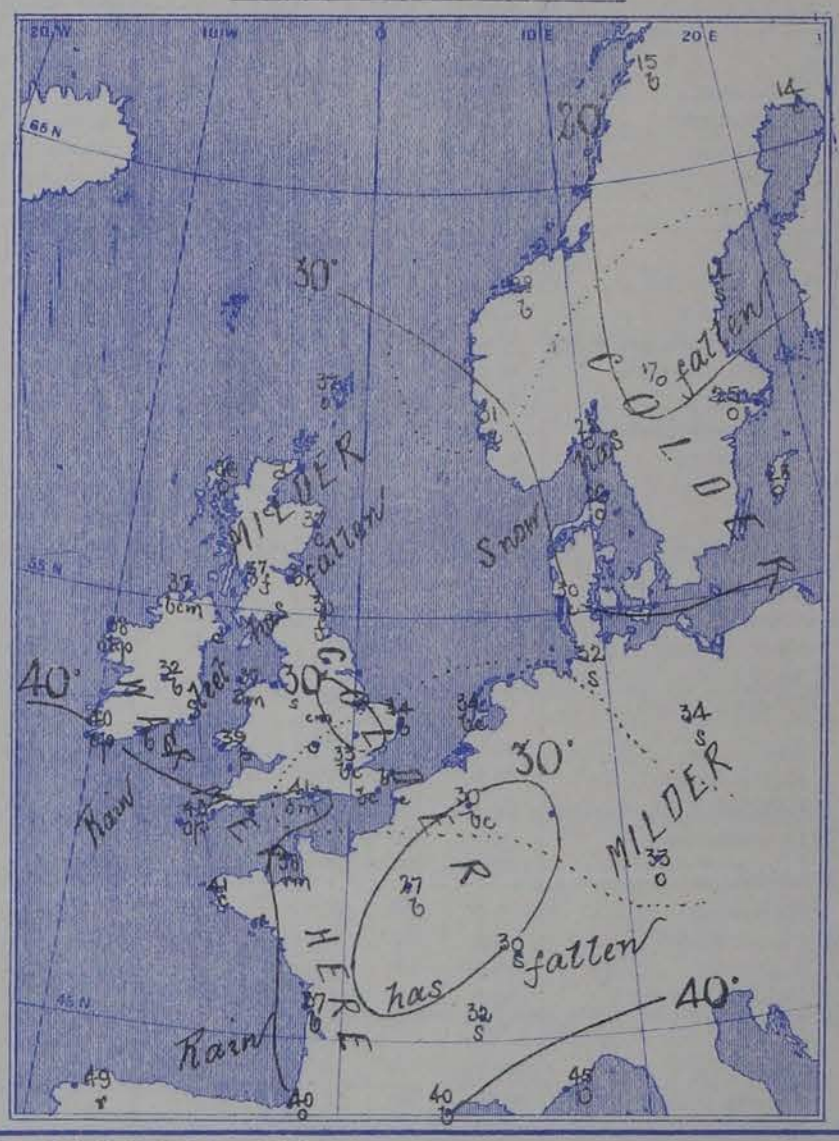


TEMPERATURE & WEATHER.

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	1856, 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) 30·35 in: at Haparanda, and ranging from 30·3 in: to 29·9 in: over Scandinavia generally; (2) 30·47 in: over the Azores, and 30·1 in: to 29·9 in: over the Iberian Peninsula as a whole.
Lowest, (1) Below 29·5 in: off the coast of the Riviera; (2) About 29 6 in: in a depression over North Germany; (3) Below 29 6 in: in three other distributions — one over Devon and Cornwall, the other over the Hebrides and northwest of Scotland.
Gradient slight to moderate, but very variable in direction. Distribution very complex. Barometer rising over Spain and France also over Scandinavia, changing irregularly over our Islands, rising over Scotland.

TEMPERATURE

Highest, 49° at Coruna, 45° at Nice, 43° at Scilly, 40° at Roche's Point and Valencia (Ireland).
Lowest, (1) 14° to 15° in Lapland and the north of Sweden, 17° at Haparanda and below the freezing point over Scandinavia and Denmark generally; (2) 27° at Nairn, 30° at Belfort; (3) 29° to 33° over the inland counties of England and Ireland.
A very keen frost was experienced for a short time, over the inland parts of England and France during the night.

WIND

NE. and E. over Scandinavia, moderate to strong in force; N. light to moderate in Ireland, but SW. at Lorient, and S. to SE. over the greater part of England. NE. to NW. over Portugal and the north of Spain, and blowing very strongly at Coruna; NE. to NW. over Germany.

WEATHER

Very variable in different localities,—unsettled with rain, hail, and sleet over our western districts, Brittany, and the northwest of Spain, fine over Norway, and the greater part of England, but snow falling in several parts of Sweden, Germany and the southeast of France. At some of our southern stations and in the Skaye Pass the fall of sleet and rain has been considerable, and at Nice the rainfall has exceeded ten inch. No Bright Sunshine was recorded at Shoreham yesterday, at our other stations it ranged from 0·9 hr: at Parsonstown to 5·7 hr: at Southport.

SEA

Rough at Lumbury Head, moderate at the mouth of the Channel, slight to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The important depression which was approaching our extreme western coasts yesterday has broken into two parts, one of which now lies over the Hebrides and is passing away to the northward, while the other lies over Devon and Cornwall and is moving southwards. Both of these are of slight intensity. The gales anticipated yesterday, have therefore, not set in.

FORECASTS

For the 24 hours ending at NOON on 7th MARCH 1898

DISTRICTS.		FORECASTS.
▼10	SCOTLAND NORTH	NONE ISSUED
▼11	SCOTLAND EAST	
▼12	ENGLAND N.E.	
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
▼5	ENGLAND SOUTH	

DISTRICTS.		FORECASTS.
▼6	SCOTLAND WEST	NONE ISSUED
▼7	ENGLAND N.W.	
▼8	ENGLAND S.W.	
▼9	IRELAND NORTH	
▼10	IRELAND SOUTH	
	WARNINGS	At 3 pm yesterday to districts 1. 2. 7. 8. and part of 5. Hoist South Cone. It is still flying in districts 0. 6. 9. and 10

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.89	35	32	SE	2	s	1
Sumburgh Head	29.71	38	34	SSE	2	c	3
Stornoway	29.59	40	40	S	3	r	3
Aberdeen	29.75	33	31	SW	2	osg	1
Shields	29.82	40	35	2	0	c	3
Ardrossan	29.75	41	40	S	4	o	3
Malin Head ...	29.61	36	36	SSW	6	r	3
Belmullet	29.75	45	42	NW	3	bc	*
Holyhead	29.84	42	39	SW	1	o	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.81	45	45	SW	3	r	4
Scilly	29.90	44	41	NW	4	cp	1
Jersey	29.84	44	40	NNW	4	bc	3
Hurst Castle ...	29.83	42	38	NW	1	cm	1
Dungeness ...	29.76	41	38	N	4	c	3
North Foreland	29.79	40	38	N	4	bc	4
London (Westminster)	29.87	41	35	N	2	cm	*
Yarmouth ...	29.80	41	38	NE	3	b	*
Rochefort ...	29.90	45	41	NE	4	bv	*

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

Weather in morning fine and bright on the Norwegian coast and over the eastern parts of Scotland and England; very unsettled, however, over Europe as a whole, though varying locally. Snow falling at several of the Continental stations, and at Nairn, rain in the south of France. Considerable rain and snow at our eastern stations later, still larger quantities over France, and smaller quantities over Scotland.

Temperature changing fitfully, but not considerably in our Islands, falling over Russia. Morning readings highest 59° to 55° on the southern shores of the Mediterranean, 53° at Lisbon, 45° at Lisbon, 42° at Scilly, 41° at Jersey. Lowest 4° F. at Archangel, 6° at Moscow, 10° at Haparanda & Uleaborg, and much below the freezing point over Russia & Scandinavia generally, 29° at Hull, Nairn, and Roscastown, 32° to 35° over the inland parts of England. Rising later to between 40° and 45° over England and Ireland (49° at Valencia) and touching 49° at Nice. Night very cold over our Islands.

Winds (1) E^3 over Scandinavia, Finland, and the north of Russia, but W^3 over the Baltic Provinces; (2) SW^3 over the northwestern parts of the British Islands, but N^3 (NE. to NW) over England and France, NE^3 over Spain, SE^3 over Russia; (3) a complex circulation of light cyclonic breezes prevailing over Central Europe. The SW^3 wind over our northwestern coasts spreading a little later, and then giving way to winds from the W^ds

Barometer highest (1) 30·74 ins. at Archangel, and varying from 30·7 ins. to 29·9 ins. over northern Europe and Russia as a whole (2) 30·4 ins. over the Azores, and varying from 30·0 ins. and more over the eastern part of our Islands and the northwest of Spain. Lowest, below 29·6 ins. in a shallow depression over the Balearic Islands; 29·6 ins. and 29·7 ins. in a complex system over Central Europe, and about 29·7 ins. to the northwestward of the Hebrides. Falling fast in the west and northwest of our Islands later, and fall spreading eastwards and 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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DAILY WEATHER REPORT

for 8 a.m. on Monday, 7th March, 1898.

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 ...	30·49	17	E	2	0	30·49	+·14	14	14	0	E	2	S	#	0	#	18	0	0·04
	Hernösand ...	30·31	21	N	2	S	30·25	+·02	20	19	+6	NE	4	S	#	S	#	21	10	0·08
	Stockholm ...	30·03	31	NE	4	S	29·88	−·24	34	34	+9	SSE	4	S	#	S	#	34	23	0·63
	Wisby	29·87	38	SE	4	S	29·73	−·29	35	35	+7	SSW	4	r	#	S	#	35	16	-
	Karlstad ...	30·08	22	WSW	4	0	29·82	−·31	25	22	+8	N	6	S	#	0	#	#	#	0·12
	Bodö	30·27	18	E	4	b	?30·55	+·41	18	14	+3	E	4	b	1	b	#	23	12	-
	Christiansund ...	30·13	30	ESE	1	b	30·23	+·24	26	25	−2	ESE	2	b	2	b	#	34	26	-
	Skudesnaes ...	30·06	28	NE	2	b	30·12	+·18	25	24	−6	NNE	1	b	1	b	#	36	23	#
	Færder (Christiania Fjord)	30·10	25	NNE	6	0	29·94	−·14	24	24	+2	NNW	4	s	3	0	#	25	21	-
	Skagen (The Scaw)	29·95	27	ENE	6	0	29·88	−·12	27	27	+1	NNE	4	0	2	0	#	28	25	-
	Fanö	29·85	29	NNE	4	b	29·97	+·13	31	30	+1	N	4	c	#	b	#	34	28	-
	Sumburgh Head	29·90	37	SE	5	0	30·12	+·39	35	33	−2	N	1	b	4	0	#	38	33	0·12
	Stornoway ...	29·77	44	W	0	ov	30·07	+·48	35	35	−1	N	2	r	2	b,ov	6·0	47	33	0·04
	Wick	29·79	41	SE	4	c	30·09	+·48	40	38	+2	S	2	c	3	c	#	44	36	0·03
	Nairn	29·81	38	SSW	1	b	30·10	+·47	27	26	−1	W	0	bm	1	b	#	46	24	-
	Aberdeen ...	29·86	37	E	3	oq	30·13	+·42	34	34	−3	SW	1	oqm	2	c.ors p	3·5	43	33	0·36
	Leith	29·75	41	SE	1	b	30·12	+·45	31	30	−1	W	0	fjq	#	b	#	48	28	-
	Shields	29·81	38	ESE	2	c	30·11	+·39	36	35	+6	WSW	1	fjq	2	fjqsf	#	42	28	0·03
	Spurn Head ...	29·82	39	ESE	4	b	30·05	+·32	37	33	0	NNE	3	bc	3	bv, s	#	43	32	0·13
	York	29·82	39	ESE	1	c	30·09	+·36	31	30	−1	N	1	c	#	c. b	5·0	43	25	—
	Loughborough ...	29·79	38	SE	1	0	30·07	+·33	28	28	−2	NW	1	cm	#	c,mq,bc	#	43	22	—
British Isls.	Ardrossan ...	29·78	40	NNE	2	of	30·09	+·45	35	35	−2	NNE	2	bf	1	of	#	42	33	-
	Malin Head ...	29·73	41	ESE	3	bc	30·06	+·47	38	38	+1	SE	1	cm	0	bcm	#	45	37	0·01
	Belmullet ...	29·78	43	NW	1	b	30·10	+·40	36	36	−2	SSE	1	b	#	bc. b	#	45	32	0·04
	Donaghadee ...	29·74	41	SE	3	c	30·10	+·49	40	38	+4	SE	4	bc	2	c	#	43	34	0·03
	Liverpool (Bidston)	29·76	38	SE	1	0	30·08	+·41	34	32	+1	ESE	1	bc	?	S. 0	#	41	32	0·13
	Holyhead ...	29·71	42	SE	1	cm	30·08	+·46	37	36	0	NE	2	b	1	cm	#	43	35	0·04
	Parsonstown ...	29·70	39	W	0	c	30·08	+·33	32	31	0	N	1	0	#	oh,c,b	0·0	47	28	-
	Valencia ...	29·71	43	NNE	2	cp	30·01	+·29	37	35	−3	ENE	2	b	2	c.p	6·2	46	35	0·08
	Roche's Point ..	29·68	43	NW	4	prh	29·97	+·28	35	34	−3	NNE	3	b	3	rh.p	#	45	34	0·15
	Pembroke (St. Ann's Hd.)	29·67	37	E	4	0	29·97	+·33	36	34	−3	E	5	bm	4	c. o	2·8	43	34	0·14
	Scilly	29·64	43	NNW	2	cp	29·75	+·11	42	40	−1	E	4	r	4	cp	7·3	47	36	0·13
	Prawle Point ...	29·59	36	N	4	c	29·88	+·28	38	36	−2	E	4	c	6	rshq	#	45	33	0·81
	Jersey (St. Aubin's)	29·63	41	SSE	6	opm	29·84	+·13	39	37	+1	ENE	5	cm	4	opm	#	41	37	0·14
	Hurst Castle ...	29·69	40	ESE	5	op	29·94	+·24	36	35	−5	NE	5	c	3	op	#	43	35	0·02
	Dungeness ...	29·76	40	ENE	4	bc	29·95	+·19	38	35	0	E	4	bc	3	bc	#	44	35	-
	North Foreland	29·81	38	E	3	bc	29·98	+·21	39	37	+5	ENE	3	c	2	bc	#	42	32	-
	London (Brixton) ...	29·78	39	SSE	2	b	30·00	+·24	34	31	+1	E	1	c	#	c. b,hp	1·9	44	31	-
	Oxford	29·81	36	SE	2	b	30·04	+·31	30	29	−2	NE	2	b	#	os.c, b	#	41	29	0·01
	Cambridge ...	29·82	37	ESE	1	bm	30·05	+·29	28	28	−1	ENE	1	b	#	bm	6·7	47	23	-
	Yarmouth ...	29·79	39	ENE	3	b	29·99	+·22	38	35	+4	NNE	5	bc	4	bv	#	40	32	-
Germany & Holland.	Cuxhaven ...	29·69	32	NE	4	S	29·93	+·23	29	29	−3	NNE	3	c	#	S	#	32	28	0·32
	Berlin	29·77	37	SW	3	S	29·94	+·27	34	33	0	W	1	f	#	s	#	37	32	0·20
	Wiesbaden ...	#	#	#	#	#	29·87		34	31	-	N	2	0	#	#	#	39	30	-
	Munich	29·78	32	SE	2	0	29·73	+·05	31	31	−2	NE	4	S	#	0	#	34	30	0·04
	The Helder ...	29·82	36	NNE	2	0	29·98	+·22	38	34	+4	NE	3	b	2	0	#	38	34	-
Belgium.	Brussels ...	#	#	#	#	#	29·96	+·18	31	30	+1	NE	2	0	#	b	#	39	26	-
	Cape Gris Nez ...	?29·75	38	ESE	2	b	?29·91	+·17	30	28	−5	E	2	c	2	b	#	45	26	-
	Paris	29·77	35	E	2	b	29·88	+·04	30	28	+3	NE	2	bc	#	b	#	?	27	-
	Brest	29·66	45	NW	2	0	29·71	+·03	38	37	−3	E	2	b	3	0	#	48	36	-
	Lorient	29·67	47	N	3	bc	29·73	+·04	35	35	−8	E	4	0	4	bc	#	54	32	0·16
France &	Rochefort ...	29·71	46	SW	4	c	29·70	−·21	36	35	−1	NE	3	m	#	c	#	52	34	0·04
	Belfort	29·78	32	WSW	1	0	29·71	−·05	31	30	+1	E	5	0	#	0	#	40	?	0·16
	Lyons	29·78	35	NNW	1	0	29·70	−·14	30	28	−2	NNW	2	0	#	0	#	39	30	0·04
	Nice	29·89	50	ESE	1	0	29·28	−·23	49	43	+4	S	0	r	3	0	#	55	45	-
	Perpignan ...	29·65	45	NW	3	b	29·52	−·23	46	38	+6	NW	5	0	#	b	#	50	48	-
	Biarritz ...	29·71	46	SSW	3	r	29·64	−·20	44	42	+4	S	4	c	2	r	#	50	40	0·20
Penin-sula.	Corunna ...																#			
	Lisbon	29·99	52	W	4	c	29·78	−·32	49	48	+3	WNW	4	r	#	c	#	55	46	0·24
	Azores (P. Delgada)	30·39	54	NNW	3	0	30·29	−·18	53	50	+2	NW	4	bc	3	0	#	59	51	-

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 Monday, 7th March, 1898

BAROMETER, WIND AND SEA.

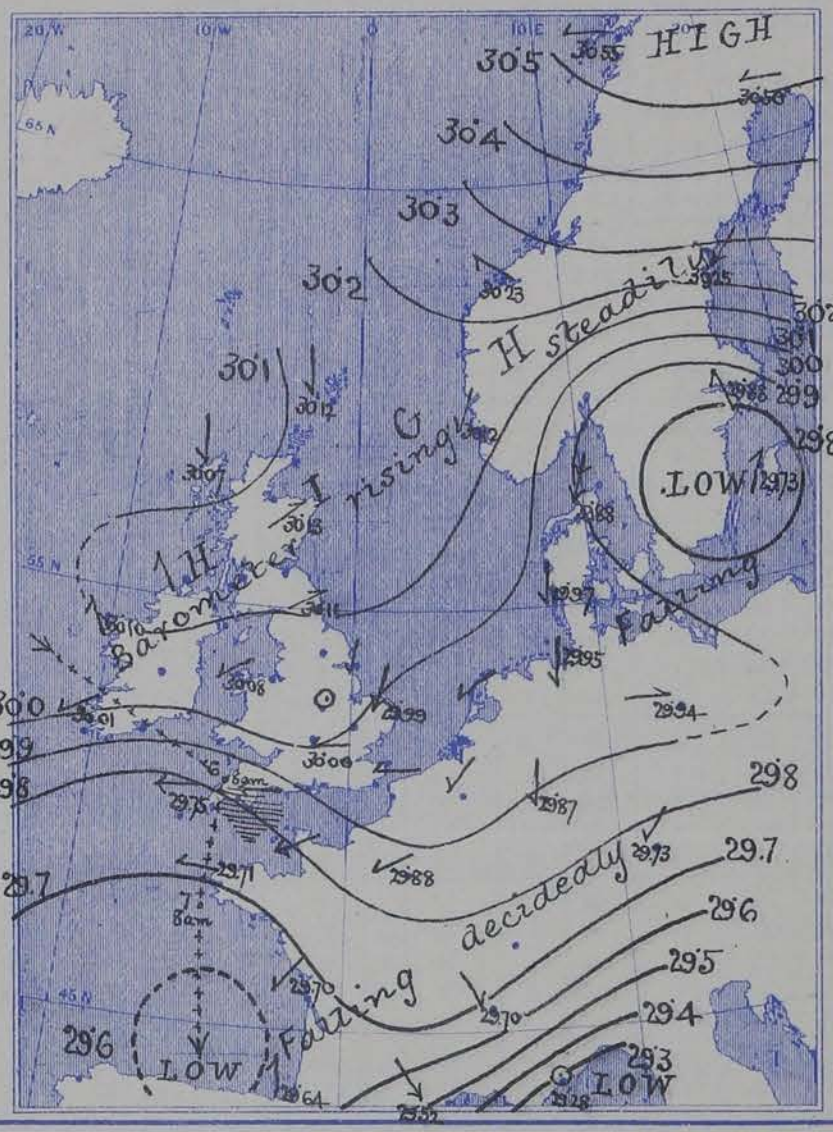
BAROMETER—Isobars are drawn for each tenth of an inch.

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*

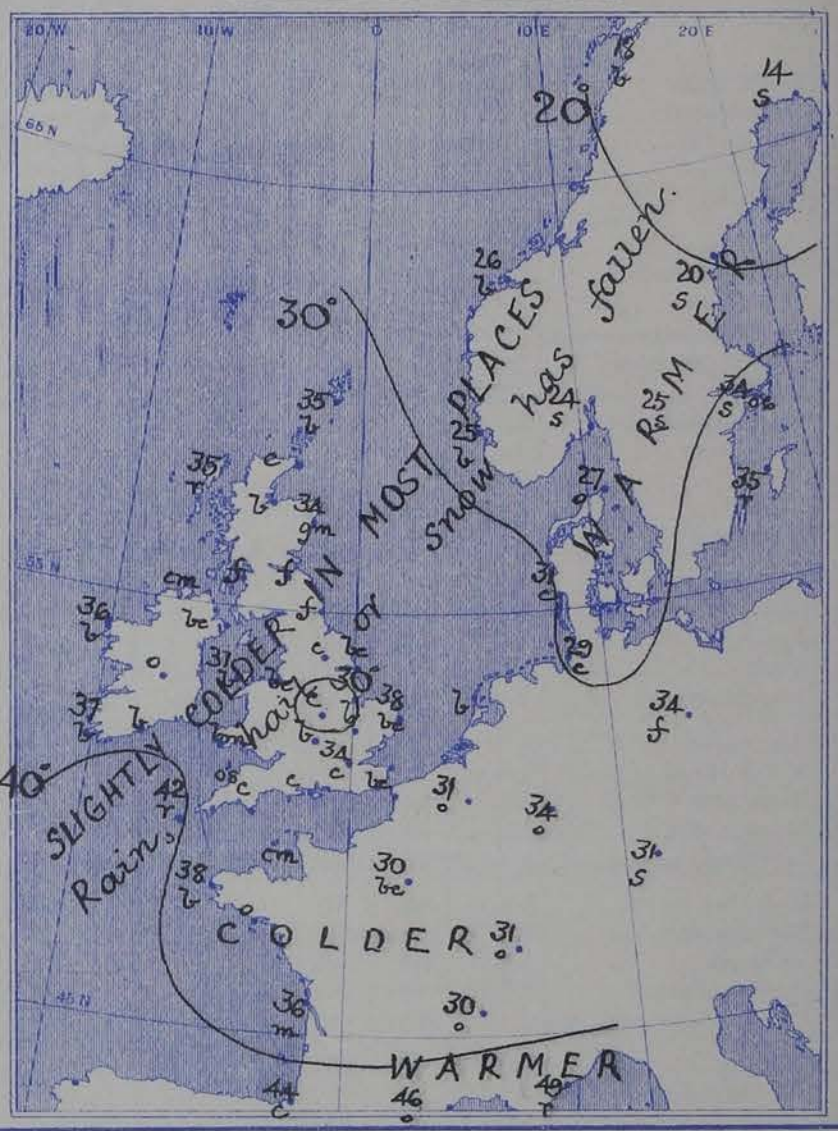


TEMPERATURE & WEATHER.

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, 30·5 inches and more to 30·2 inches over Lapland and the northern half of Scandinavia, and exceeding 30·1 inches in an irregularly shaped ridge extending thence across Scotland and the north of Ireland.

Lowest, (1) Below 29·8 inches in a depression over the south of Sweden: (2) apparently, below 29·6 inches in another over the southern part of the Bay of Biscay, and (3) below 29·1 inches over Corsica.

Gradients steep over the southern and southeastern parts of France and over Sweden, moderate elsewhere. Barometer rising on all our own and the Norwegian coasts, most over the northern parts of the United Kingdom.

TEMPERATURE

Highest, 49° at Lisbon and Nice, 44° at Biarritz, 42° at Scilly.

Lowest, (1) 14° to 26° over Lapland and the north of Sweden and Norway; (2) 30° at Paris and Lyons, 31° at Munich and Brussels; (3) 28° to 31° over the inland parts of England, 32° at Parsonstown.

During the night the thermometer in the screen went down to 22° at Loughborough, 23° at Cambridge, 24° at Nairn, 27° at Oxford, 28° at Parsonstown; on the grass readings were registered as low as 23° at Oxford, 21° in London, and 15° at Loughborough.

WIND

Very light and variable over Scotland: chiefly NE. to E. over England, and blowing very strongly at Prawle Point and Scilly. E. to N. over the Bay of Biscay. Over the south of Sweden and the Baltic there was a separate cyclonic circulation of moderate to very strong winds.

An E. gale was felt on our own southwest coasts last night.

WEATHER

Fine over Norway, the greater part of our Islands and France. Rain is falling, however, at Stornoway and at Wick, snow in many parts of Sweden and at Munich.

A heavy fall of sleet and hail has occurred in South Devon, and slight cold showers over our northern and eastern districts generally and in France.

Bright Sunshine recorded yesterday was greatest (7·3 to 6·0 hrs.) over the southern and eastern parts of England; it was 6·2 hrs. at Valencia, 6·0 hrs. at Stornoway also, but there was none at Parsonstown and only 1·9 hrs. in London.

SEA

Rough at Prawle Point, moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over the Bay of Biscay is passing off; that off the southeast coast of France, however, is important, and may affect the wind on our southern coasts shortly. The movements of the new system over Sweden are not known at present.

A continuation of cold E. winds is probable, with occasional passing showers of dry snow over England and Scotland.

FORECASTS

For the 24 hours ending at NOON on 8th MARCH 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Varying light winds; snow at times.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	NE. winds, light, cold, keen air, slight snow showers at times.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos 0 to 2.
7	ENGLAND N.W.	NE. and Variable breezes, light; fair as a whole, cold.
8	ENGLAND S.W.	E. and NE. winds, moderating, and weather clearing.
9	IRELAND NORTH	Same as No 7.
10	IRELAND SOUTH	
	WARNINGS	At 7·25 pm yesterday to districts 0, 6, and parts of 9 and 10 "Lower Cone".

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30.02	36	32	ESE	4	b	2
Sumburgh Head							
Stornoway	29.69	46	44	SSE	2	0	2
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29.66	48	42	ESE	2	bc	1
Belmullet	29.70	42	40	SSE	2	bc	*
Holyhead							
Valencia							
Scilly							
Jersey	29.65	39	38	SE	7	op	5
Hurst Castle ...							
Dungeness ...	29.76	43	39	SSE	3	be	2
North Foreland	29.79	42	40	SE	2	bc	2
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30.20	48	45	SE	3	c	*

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

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 27TH FEB: TO THE 5TH MARCH 1898.

The weather which prevailed over our Islands during this week is made up of two types.

(1) That prevailing between Sunday and Wednesday (Feb: 27 to March 2) during which interval pressure was high over southwestern Europe and the Bay of Biscay, and a depression moved slowly in a southeasterly direction from the north of Scotland to Denmark, while some very small and shallow systems moved over our Islands. Cold NW winds and cold showers were consequently prevalent over the United Kingdom, and sharp frost occurred at night.

(2) That prevailing from Thursday to the end of the week – during which time the distribution of pressure was very complex, especially on Thursday, when three separate high-pressure systems were observed – one over northern, and another over southwestern Europe, while the third (of slight energy) lay off the northwest of Ireland. In this interval depressions (some of them complex) were developed in different parts of northwestern Europe, and moved erratically, those observed over the Continent on Thursday night, Friday, and Saturday moving southwards or southwestwards. Further cold showers fell in most places, and local falls in excess of those in their neighbourhood were observed over the southeast and east of England on Thursday night and over France on Saturday.

On Friday a well marked depression approached our western coasts from the Atlantic, causing a rapid fall of the barometer, but immediately broke up into two parts, of slight intensity, which passed away, one in a northerly, the other in a southerly direction

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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.

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 Tuesday 8th March, 1898.

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 ...	30·43	14	E	2	0	30·23	−·26	15	15	+ 1	N	2	s	#	0	#	19	9	0·16
	Hernösand ...	30·11	22	NE	4	s	30·13	−·12	22	21	+ 2	N	2	s	#	s	#	23	18	0·59
	Stockholm ...	30·11	34	2	0	0	30·15	+·27	29	29	− 5	W	2	s	#	0	#	37	28	0·24
	Wisby	30·17	35	S	4	0	30·15	+·42	34	33	− 1	S	4	s	#	0	#	37	32	0·35
	Karlstad ...	30·10	25	WNW	2	0	30·18	+·36	15	15	− 10	NW	2	0	#	0,s	#	#	#	0·04
	Bodö	30·31	22	ENE	4	b	30·21	−·34	22	17	+ 4	ENE	5	b	2	b	#	23	18	—
	Christiansund ...	30·21	30	ESE	1	b	30·23	·00	30	28	+ 11	SW	1	o	2	b	#	34	25	—
	Skudesnaes ...	30·18	30	2	0	b	30·21	+·09	30	29	+ 5	E	1	b	1	b	#	37	23	#
	Færder (Christiania Fjord)	30·12	29	NNW	2	b	30·20	+·26	24	22	0	NE	2	o	1	b	#	30	24	—
	Skagen (The Scaw)	30·15	30	NNE	1	c	30·18	+·30	30	29	+ 3	NE	1	o	0	c	#	30	27	—
	Fanö	30·16	30	N	4	0	30·14	+·17	29	29	− 2	N	1	o	#	o	#	32	28	—
	Sumburgh Head	30·19	35	N	1	b	30·20	+·08	36	33	+ 1	2	0	b	3	bc, b	#	44	30	—
	Stornoway ...	30·19	42	2	0	b	30·18	+·11	30	29	− 5	NW	2	bc	2	bc, b	3·4	43	27	0·02
	Wick	30·15	35	SW	1	b	30·18	+·09	29	28	− 11	NW	1	b	2	b	#	43	25	—
	Nairn	30·22	34	SW	1	b	30·24	+·14	28	27	+ 1	2	0	b	1	bc	#	46	24	—
	Aberdeen ...	30·22	39	SSW	2	bc	30·25	+·12	33	31	− 1	W	1	bm	1	bc	3·2	42	29	—
	Leith	30·21	39	ESE	1	c	30·26	+·14	30	29	− 1	SSW	1	f	#	c	#	44	25	—
	Shields	30·21	38	2	0	b	30·24	+·13	29	29	− 7	W	3	bm	2	bc, bm	#	44	26	—
	Spurn Head ...	30·14	38	NE	4	c	30·14	+·09	39	37	+ 2	NE	5	ohp	5	cv	#	42	35	0·01
	York	30·19	39	NNE	1	bc	30·23	+·14	31	30	0	N	1	c	#	bc, hp	6·3	42	28	0·01
	Loughborough ...	30·14	36	NE	3	c	30·18	+·11	32	31	+ 11	NNE	2	o	#	c, bc, c, o	#	41	28	—
	Ardrossan ...	30·20	41	NNE	1	bf	30·22	+·13	34	34	− 1	NNE	1	bf	1	bf	#	47	30	—
	Malin Head ...	30·18	40	S	1	cm	30·22	+·16	37	37	− 1	SW	1	cm	0	cm	#	43	35	—
	Belmullet ...	30·21	44	NE	1	b	30·26	+·16	38	37	+ 2	SSE	1	c	#	bc, b	#	47	30	0·01
	Donaghadee ...	30·23	41	NW	3	b	30·27	+·17	32	31	− 8	W	3	b	1	b	#	46	28	—
	Liverpool (Bidston)	30·20	37	NE	2	c	30·24	+·16	31	28	− 3	NE	1	b	?	m, c	#	42	29	—
	Holyhead ...	30·19	41	NE	3	b	30·25	+·17	37	35	0	NNE	2	b	1	cm, b	#	43	34	—
	Parsonstown ...	30·19	40	2	0	0	30·28	+·20	25	25	− 7	2	0	b	#	0	3·1	44	23	—
	Valencia ...	30·19	42	ENE	2	bm	30·28	+·27	32	30	− 5	2	0	b	1	bm	8·2	46	29	—
	Roche's Point ...	30·17	37	ESE	3	b	30·25	+·28	35	33	0	NE	2	b	3	b	#	45	33	—
	Pembroke (St. Ann's Hd.)	30·12	39	ENE	4	b	30·19	+·22	34	33	− 2	ENE	3	og	3	b	9·0	44	32	—
	Scilly	30·01	43	ENE	5	c	30·08	+·33	40	37	− 2	NE	6	c	4	p, c	5·8	46	36	0·01
	Prawle Point ...	30·02	39	ENE	6	c	30·06	+·18	33	32	− 5	NE	6	c	5	c	#	42	31	—
	Jersey (St. Aubin's)	29·93	42	NE	6	cgm	29·91	+·07	40	37	+ 1	NE	6	om	4	bc, cgm	#	42	37	—
	Hurst Castle ...	30·01	40	NNE	3	cm	30·00	+·06	35	34	− 1	NNE	4	og	3	cp, cm	#	44	34	—
	Dungeness ...	29·95	40	ENE	5	cq	29·86	−·09	40	36	+ 2	NE	8	o	7	csq, cq, hp	#	43	37	0·01
	North Foreland	30·02	38	NNE	5	o	29·97	−·01	39	38	0	NNE	7	orsp	6	c, o	#	41	33	0·05
	London (Brixton) ...	30·04	37	NE	3	csp	30·03	+·03	35	32	+ 1	ENE	3	o	#	bc, prs, c	4·6	44	33	—
	Oxford	30·13	34	NNE	3	o	30·10	+·06	34	32	+ 4	N	2	o	#	c, o	#	44	30	—
	Cambridge ...	30·10	35	NNE	4	b	30·10	+·05	35	33	+ 7	N	3	o	#	b, s	5·3	43	27	0·01
	Yarmouth ...	30·05	38	NE	6	cpq	30·04	+·05	39	37	+ 1	NE	7	cgq	6	bc, csp	#	40	35	—
	Cuxhaven ...	30·08	32	NE	4	o	30·00	+·07	31	31	+ 2	NE	5	o	#	o	#	32	28	—
	Berlin	29·92	34	NNE	4	r	29·85	−·09	39	38	+ 5	NE	3	o	#	r	#	39	34	0·32
	Wiesbaden ...	#	#	#	#	#	29·67	−·20	38	36	+ 11	N	2	c	#	#	#	?	34	0·04
	Munich	29·58	34	SE	2	f	29·58	−·15	37	36	+ 6	E	5	bc	#	f	#	37	30	0·04
	The Helder ...	30·05	37	NE	5	o	29·99	+·01	36	34	− 2	ENE	6	bc	3	o	#	38	34	—
	Brussels ...	#	#	#	#	#	29·84	−·12	31	30	0	NNE	6	o	#	o	#	35	29	0·04
	Cape Gris Nez ...	? 29·91	40	E	7	c	? 29·86	−·05	39	34	+ 9	ENE	7	o	6	c	#	41	27	—
	Paris	29·84	34	NNE	5	bc	29·73	−·15	30	30	0	NNE	5	s	#	bc	#	39	29	—
	Brest	29·88	41	ENE	4	b	29·93	+·22	40	38	+ 2	NE	5	o	2	b	#	46	36	—
	Lorient	29·84	40	NE	5	bc	29·83	+·10	39	39	+ 11	NNE	5	r	4	bc	#	54	35	—
	Rochefort ...	29·78	40	NE	5	c	29·72	+·02	34	?	− 2	ENE	5	s	#	b, c	#	52	32	—
	Belfort	29·61	30	ENE	4	o	29·58	−·13	31	31	0	ENE	4	f	#	o	#	33	29	—
	Lyons	29·62	30	NNW	2	s	29·64	−·06	30	30	0	NNW	1	s	#	s	#	52	30	0·12
	Nice	29·23	53	ENE	4	o	29·46	+·18	47	45	− 2	2	0	r	4	o	#	54	43	0·67
	Perpignan ...	29·26	48	NW	3	o	29·57	+·05	36	34	− 10	NE	1	o	#	o	#	50	35	—
	Biarritz ...	29·56	51	N	4	b	29·63	−·01	34	32	− 10	ENE	3	o	3	b	#	54	34	—
	Corunna ...																#			
	Lisbon	29·63	46	WNW	4	c	29·50	−·28	46	44	− 3	NNW	4	o	#	c	#	52	43	0·35
	Azores (P. Delgada)	30·23	56	NNE	4	c	30·21	−·08	54	49	+ 1	NE	3	c	3	c	#	61	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.*

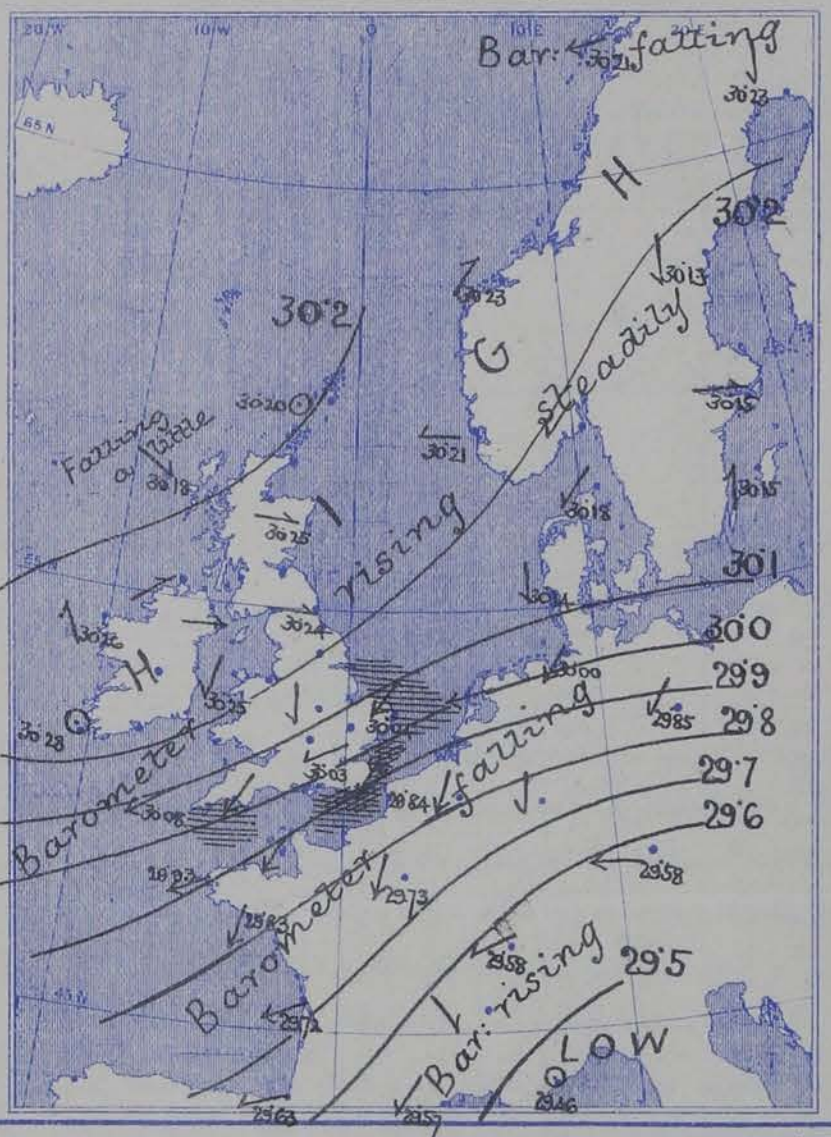
Bright Sunshine yesterday Southport 9·0 hrs;

WEATHER CHARTS

FOR Tuesday, 8th March, 1898

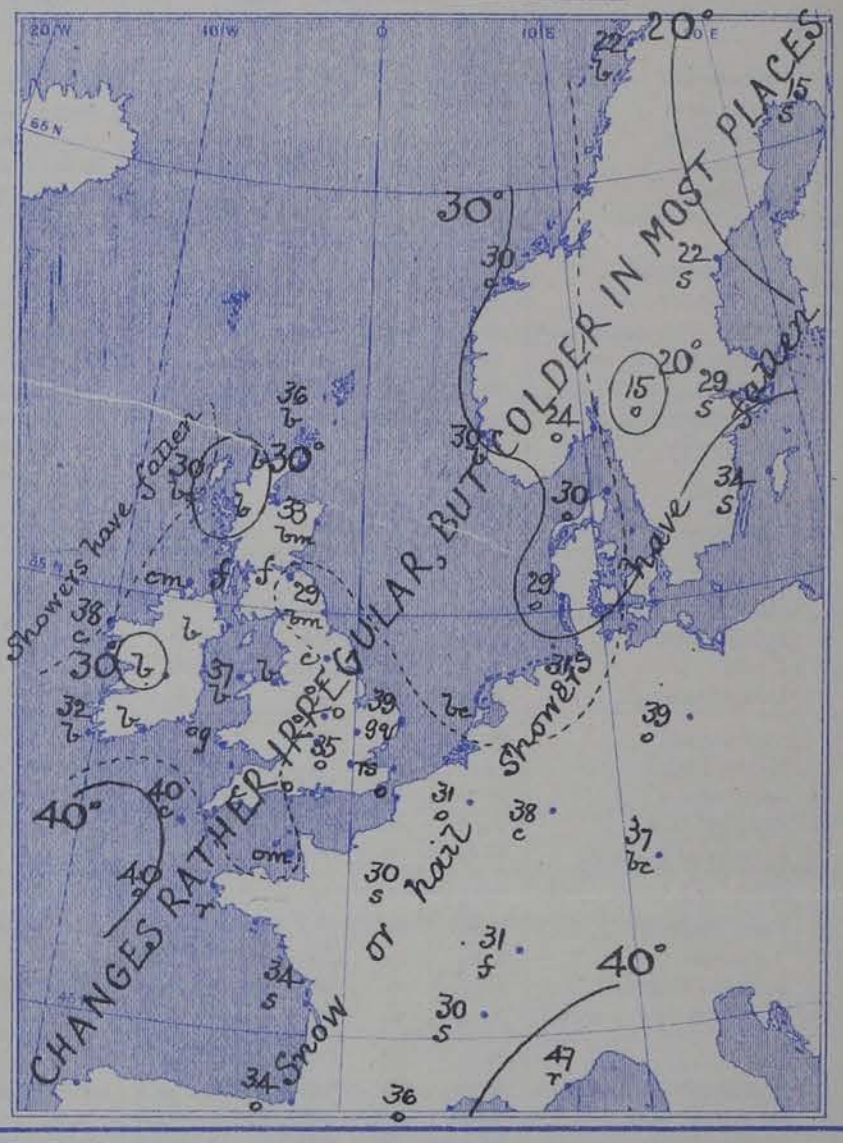
BAROMETER, WIND AND SEA.

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 ⊙
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 in a broad band, stretching from the Atlantic across Ireland and the northern parts of Gt. Britain to Norway and Lapland.
Lowest (1) Below 29.5 ins. over the S.E. of France, (2) below 30.20 ins. over the Hebrides.
Gradients moderate over the S.ᵗʰ parts of our area, and favourable for NE.ˡʸ winds; very slight in the N. and variable in direction. Barometer falling over France and Germany, rising over the greater part of our islands and the North Sea, but inclined to fall in the Hebrides, and also over Lapland.

TEMPERATURE — Highest 47° at Nice, 40° at Brest, Jersey, Scilly and Dungeness, 39° at Yarmouth and Spurn Head.
Lowest (1) 15° at Haparanda and Karlstad, 22° at Bodö and at Kernösand, 25° at Parsonstown, 28° to 33° at the Scotch stations, 31° to 35° over the inland parts of England; 30° at Lyons and Paris, 31° at Brussels & Munich.
It had fallen fast in the N. of Scotland during the night, risen in the W. of Norway, and over Germany.
The minima recorded were as low as 23° at Parsonstown, 24° at Nairn, 25° at Wick, and 27° at Stornoway and Cambridge. The air was very keen over England and the Channel.

WIND — Very light and variable, from between W. and S. over the northern parts of our area calm over Ireland, NE.ˡʸ over England, the Channel and France, and blowing very strongly at the Channel stations. A moderate gale is reported on our southeastern coasts.

WEATHER — Fine at the W.ᵐᵒˢᵗ and N.ᵐᵒˢᵗ stations dull and gusty in the S., with slight snow over some parts of our S.ᵐᵒˢᵗ counties and the N. of France.
Considerable snow fell over Sweden and N. Germany yesterday. Very slight showers in some parts of our Islands; rain in the S. of France. Bright Sunshine recorded yesterday amounted to 9 hrs. at Pembroke, more than 8 hrs. at Valencia (Ireland) and at Llandudno, 6.7 hrs. at Brighton, rather more than 3 hrs. at the Scotch stations.

SEA — very rough in the Channel and off our E. coasts, smooth in the NW. and N.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is no indication of a decided change at present, as far as our southern coasts are concerned.

FORECASTS

For the 24 hours ending at NOON on 9TH MARCH 1898

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	Varying W.ˡʸ breezes; fair; milder.	6 SCOTLAND WEST	Same as Nos. 0 to 2.
1 SCOTLAND EAST		7 ENGLAND N.W.	NW.ˡʸ and N.ˡʸ breezes, light; fine, cold.
2 ENGLAND N.E.		8 ENGLAND S.W.	Same as No. 5.
3 ENGLAND EAST	Same as No. 5.	9 IRELAND NORTH	Varying airs, finally SW.ˡʸ; fair becoming milder.
4 MIDLAND COUNTIES	NE.ˡʸ breezes, light to moderate; fair, very cold tonight.	10 IRELAND SOUTH	
5 ENGLAND SOUTH	NE.ˡʸ breezes very strong; slight drifting snow showers at times; squally.	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 ...	30·15	37	36	NNW	2	b	1	Valencia	30·13	45	40	NE	4	bm	4
Sumburgh Head	30·17	40	38	N	0	bc	3	Scilly	29·93	45	40	E	7	cp	4
Stornoway	30·16	40	39	E	2	bc	2	Jersey	29·91	41	38	ENE	7	bc	5
Aberdeen	30·19	41	37	SW	2	bc	2	Hurst Castle ...	29·98	43	38	NE	5	cp	3
Shields	30·18	41	38	E	3	bc	3	Dungeness ...	29·96	38	37	ENE	4	csp	3
Ardrossan	30·16	47	46	N	0	b	0	North Foreland	30·03	37	36	NNE	4	c	3
Malin Head ...	30·15	42	41	S	1	c	1	London (Westminster)	30·01	43	36	NE	2	c	*
Belmullet	30·18	46	42	ENE	1	bc	*	Yarmouth ...	30·03	40	36	NE	4	bc	4
Holyhead	30·15	41	38	NE	2	mw	1	Rochefort ...	29·76	52	46	E	4	b	*

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

Weather in morning fine and bright over Norway, and the greater part of the United Kingdom, fair over the N. of France; but very changeable and unsettled over the rest of the Continent and very unsettled over the Mediterranean and Tunis; snow and rain falling at several of the Nrn. stations, rain at many of the Mediterranean stations, as well as in the south of France and some parts of Austria. Considerable falls of snow later over Sweden, the Baltic and N. Germany, and nearly 0·7 in of rain at Nice (further information not available yet).

Temperature falling over the central and Etn. parts of the Continent and over the British Islands, risen over the S. of France and Italy. Morning readings highest 60° at Lesina, 55° at Cagliari and along the W. coast of Italy, 47° to 42° over Austria-Hungary; below 50° on the Atlantic coasts – 49° at Lisbon, 44° at Biarritz, 42° at Scilly. Lowest –5° F. at Moscow, 0 (zero) at Karkov, and much below the freezing point all over Russia, Finland and Scandinavia; 27° at Nairn, 28° to 34° over central England; 30° to 32° over central France. Rising later to between 40° and 47° over our Islands, but falling fast again towards night; not exceeding 54° even at Biarritz and Nice.

Wind very variable indeed. (1) a very well defined cyclonic circulation prevailing over Scandinavia, the Baltic, Wn. Russia and N. Germany, varying in force from a light breeze to a fresh gale; (2) A similar circulation over the Mediterranean, Sn. Europe, and Nrn. Africa; and a secondary circulation over Spain; (2) E. and NE. winds prevalent over the Sn. parts of England, and blowing very strongly over Devon and Cornwall; variable airs over the N. of our Islands. The E. wind becoming very strong later both on our S. and E. coasts and on the N. coast of France.

Barometer Highest 31·0 ins. and more to 30·0 ins. over Russia and Turkey in Europe, and exceeding 30·0 ins. over all the Nrn. half of Scandinavia as well as the greater part of our Islands 29·4 ins. at San Fernando. Lowest 29·0 ins. to 29·1 ins. in a large complex depression over the Mediterranean and Tunis, below 29·6 ins. in a shallow system over the N. of Spain, and below 29·8 ins. in a well marked system over the Sn. parts of Sweden. Rising over our Islands all day, falling over Sn. and central 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 Wednesday 9th March, 1898.

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 ...	30·14	16	NE	2	o	30·19	−·04	9	8	− 6	N	2	b	#	o	#	23	9	0·08
	Hernösand ...	30·17	21	Z	o	o	30·27	+·14	6	5	− 16	Z	o	b	#	o	#	23	?	—
	Stockholm ...	30·18	28	WNW	2	s	30·25	+·10	23	22	− 6	N	2	o	#	s	#	34	23	0·16
	Wisby	30·15	34	S	4	r	30·19	+·04	33	33	− 1	SSE	4	o	#	r	#	34	32	0·35
	Karlstad ...	30·22	17	N	2	o	30·27	+·09	8	7	− 7	N	2	bc	#	o	#	#	#	—
	Bodö	30·30	21	ENE	4	bc	30·11	−·10	21	17	− 1	ENE	4	b	1	bc	#	27	18	—
	Christiansund ...	30·19	33	SSE	1	b	30·06	−·17	33	29	+ 3	SE	3	c	3	b	#	36	28	—
	Skudesnaes ...	30·22	32	Z	o	b	30·21	·00	32	31	+ 2	SE	4	c	2	b	#	36	28	#
	Færder (Christiania Fjord)	30·24	29	NE	2	o	30·26	+·06	23	21	− 1	NE	2	c	2	o	#	29	21	—
	Skagen (The Scaw)	30·19	29	NNE	1	c	30·20	+·02	26	25	− 4	ENE	2	bc	o	c	#	30	25	—
	Fanö	30·10	29	NE	3	b	30·10	−·04	27	26	− 2	NE	3	c	#	b	#	36	27	—
British Islands.	Sumburgh Head	30·07	39	SSW	3	o	29·95	−·25	42	41	+ 6	WSW	3	c	4	b.o	#	44	36	0·09
	Stornoway ...	30·00	43	SW	3	o	30·02	−·16	38	37	+ 8	W	2	c	2	c.o	3·3	46	27	—
	Wick	30·11	41	S	2	bc	30·01	−·17	41	40	+ 12	SW	2	b	2	bc	#	42	27	—
	Nairn	30·10	38	W	1	bc	30·08	−·16	42	40	+ 14	WSW	2	bc	1	bc	#	46	26	—
	Aberdeen ...	30·17	38	SSE	2	b	30·11	−·14	39	37	+ 6	SW	1	cg	1	b.r	9·3	42	33	0·02
	Leith	30·17	39	Z	o	mw	30·15	−·11	40	38	+ 10	SW	2	cm	#	m	#	45	28	—
	Shields	30·19	40	NNE	1	m	30·18	−·06	33	32	+ 4	SW	1	f	2	m	#	42	28	—
	Spurn Head ...	30·12	40	NNE	5	c	30·15	+·01	41	38	+ 2	NNE	3	cr	3	c.r	#	41	37	—
	York	30·18	40	NNE	1	b	30·21	−·02	29	28	− 2	N	1	o	#	b.m	4·8	44	25	—
	Loughborough ...	30·14	38	NNE	3	c	30·19	+·01	30	30	− 2	NW	1	cm	#	s.o.c.am	#	40	29	0·02
	Ardrossan ...	30·16	43	S	2	bf	30·13	−·09	43	43	+ 9	SSW	2	cp	2	bf	#	46	33	0·01
	Malin Head ...	30·13	44	WSW	2	bcm	30·14	−·08	43	42	+ 6	NNW	4	bc	2	b.bcm.p	#	47	36	0·02
	Belmullet ...	30·18	46	WSW	3	c	30·21	−·05	42	40	+ 4	N	3	bc	#	b.c	#	47	35	0·05
	Donaghadee ...	30·20	45	W	3	b	30·18	−·09	39	38	+ 7	W	3	c	1	b	#	48	30	—
	Liverpool (Bidston)	30·18	38	NNW	1	b	30·21	−·03	36	33	+ 4	S	1	m	?	m.b	#	41	31	—
	Holyhead ...	30·20	41	NE	1	b	30·19	−·06	39	38	+ 2	SW	1	f	0	b	#	42	34	—
	Parsonstown ...	30·21	40	SE	1	o	30·21	−·07	38	37	+ 13	Z	o	or	#	b.o	7·9	46	24	0·01
	Valencia ...	30·23	45	Z	o	bm	30·22	−·06	41	39	+ 9	ENE	1	ogm	2	bm	9·6	45	31	—
	Roche's Point ...	30·20	46	NNE	3	b	30·22	−·03	40	35	+ 5	N	1	cm	2	b	#	48	35	—
	Pembroke (St. Ann's Hd.)	30·16	39	NE	4	b	30·20	+·01	38	35	+ 4	ENE	2	cg	2	b	4·5	42	33	—
	Scilly	30·03	43	NNE	7	o	30·14	+·06	43	39	+ 3	NE	4	c	3	o	0·0	45	37	—
	Prawle Point ...	30·01	37	NE	5	bc	30·14	+·06	35	34	+ 2	NNE	4	c	4	o.bc	#	38	33	—
	Jersey (St. Aubin's)	29·87	40	NNE	7	op	30·03	+·12	41	40	+ 1	NE	5	omp	4	orsp	#	41	38	0·13
	Hurst Castle ...	29·99	40	NE	5	o	30·10	+·10	40	37	+ 5	NE	3	om	2	cg.o	#	41	35	—
	Dungeness ...	29·86	41	NNE	8	o	30·03	+·17	39	38	− 1	NE	6	r	4	c,o,rsq	#	42	37	0·07
	North Foreland	29·99	40	NNE	8	o	30·09	+·12	40	39	+ 1	NE	6	op	5	o	#	41	36	0·10
	London (Brixton) ...	30·02	40	NE	6	o	30·11	+·08	38	36	+ 3	ENE	3	cg	#	o	0·0	41	35	—
	Oxford	30·09	38	N	3	o	30·17	+·07	35	33	+ 1	N	2	o	#	o	#	40	33	—
	Cambridge ...	30·08	38	NNE	4	o	30·15	+·05	37	36	+ 2	N	3	o	#	o	0·0	41	33	—
	Yarmouth ...	30·01	39	NE	7	cg	30·08	+·04	39	36	o	NE	5	cg	5	c	#	40	37	—
Germany & Holland.	Cuxhaven ...	29·98	32	NE	6	o	30·00	·00	33	33	+ 2	NE	3	o	#	o	#	34	30	—
	Berlin	29·88	45	SE	2	o	29·97	+·12	40	38	+ 1	E	2	o	#	o	#	46	39	—
	Wiesbaden ...	*	*	*	*	*	29·98	+·31	39	39	+ 1	SW	1	o	#	*	#	50	38	—
	Munich	29·73	45	SE	5	c	29·94	+·36	33	33	− 4	W	4	f	#	c	#	57	32	—
	The Helder ...	29·98	38	NE	6	o	30·05	+·06	37	36	+ 1	NE	2	r	2	o	#	38	36	—
Belgium.	Brussels ...	*	*	*	*	*	? 30·06	+·22	32	32	+ 1	NNE	1	f	#	o	#	32	30	0·04
	Cape Gris Nez ...	? 29·84	37	E	7	r	? 29·98	+·12	35	34	− 4	E	2	f	4	r	#	43	32	0·16
	Paris	29·82	33	NE	3	o	29·99	+·26	34	33	+ 4	NNE	2	o	#	o	#	34	30	—
	Brest	29·90	40	ENE	5	o	29·99	+·06	41	39	+ 1	NE	4	o	2	o	#	41	36	—
	Lorient	29·80	39	NNE	6	o	29·95	+·12	37	37	− 2	E	4	o	3	o	#	46	36	—
France &	Rochefort ...	29·76	37	ENE	5	o	29·83	+·11	36	34	+ 2	NE	5	o	#	o	#	41	32	0·04
	Belfort	29·78	35	WSW	1	m	29·97	+·39	32	32	+ 1	E	3	f	#	m	#	39	29	0·04
	Lyons	29·79	36	W	1	c	29·96	+·32	35	35	+ 5	N	1	c	#	c	#	39	30	—
	Nice	29·70	51	E	5	o	29·88	+·42	46	44	− 1	E	2	c	2	o	#	54	45	0·04
	Perpignan ...	29·70	46	E	1	o	29·80	+·23	41	41	+ 5	W	1	r	#	o	#	55	36	0·32
	Biarritz ...	29·69	40	S	1	o	29·78	+·15	36	35	+ 2	E	3	o	2	o	#	41	34	0·12
Penin-sula.	Corunna ...																#			
	Lisbon	29·60	44	N	4	b	29·69	+·19	43	38	− 3	N	4	b	#	b	#	50	41	—
	Azores (P. Delgada)	30·26	55	NE	3	bc	30·28	+·07	54	48	o	ENE	3	bc	3	bc	#	61	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 9·5 hrs;

WEATHER CHARTS

FOR WEDNESDAY, 9TH MARCH, 1898

BAROMETER, WIND AND SEA.

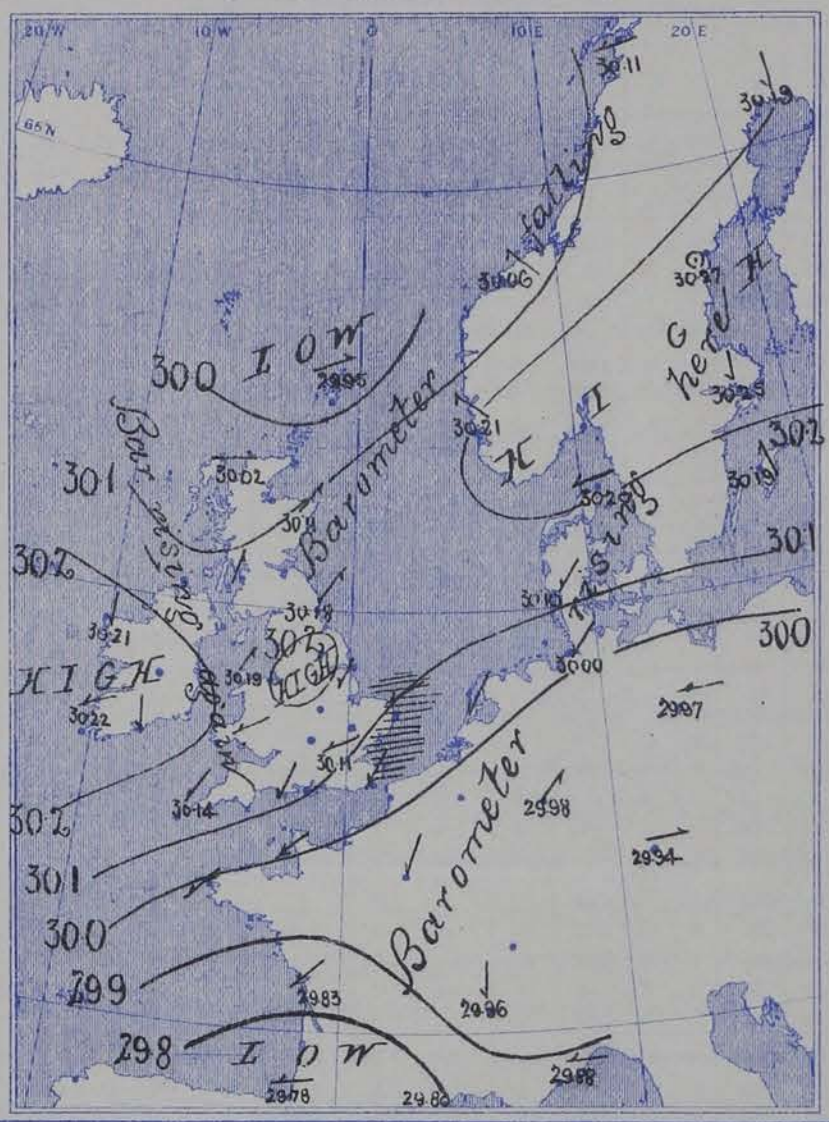
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▨

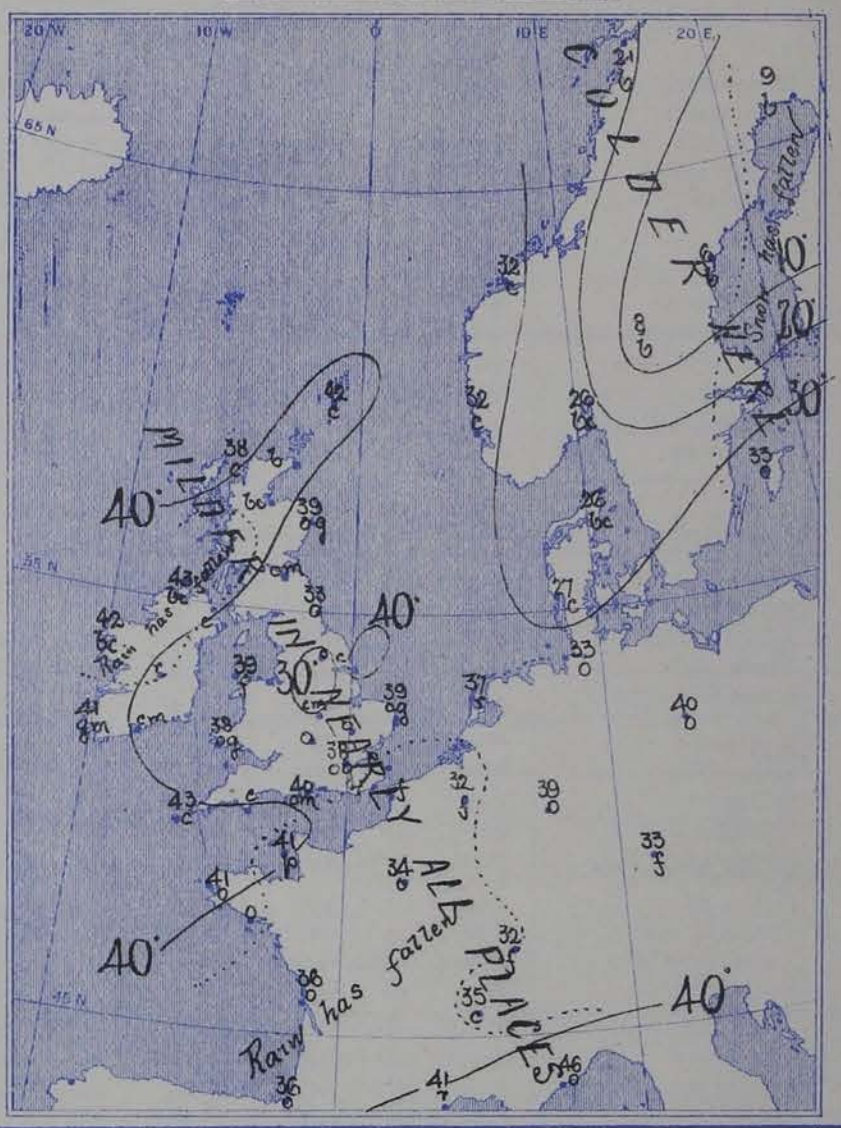


TEMPERATURE & WEATHER.

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 in two anticyclones, one lying over the greater part of Scandinavia, and the other over Ireland.

Lowest below 29.8 ins. over the S.W. parts of France and the Bay of Biscay and below 29.9 ins. in a shallow depression off the N. of Scotland.

Gradients moderate to slight. Barometer falling a little on our N.W. and N.E. coasts, and also in the W. of Norway, but rising elsewhere, most over Germany and the E. of France.

TEMPERATURE

Highest 46° at Nice, 43° at Malin H.. Ardrossan and Scilly, 42° at Sumburgh H. and Belmullet, and 41° at Wick, Spurn H. and Valencia (Ireland).

Lowest 6° at Hernösand, 9° at Haparanda, 21° at Bodö, 23° at Stockholm and Faerder, 29° at York, 30° at Loughborough. It had risen considerably in Ireland and Stockholm, and to a less extent over our Islands and France generally. The minima recorded were as low as 24° at Parsonstown, 25° at Loughborough, 26° at Nairn, 27° at Stornoway and Wick.

WIND

N.E.ly over the southern parts of our area, blowing a moderate to strong breeze at the Channel stations, light from between W. and N.W. over the northern parts of the Kingdom. Over Scandinavia light and variable airs were reported.

WEATHER

Cloudy or dull in most places, with slight cold showers in the southeast of England, rain at Parsonstown and also at Perpignan. Fog was reported from some of the French and German stations. Bright Sunshine recorded yesterday amounted to 9.6 hrs. at Llandudno and Valencia (Ireland), 9.5 hrs. at Southport, 9.3 hrs. at Aberdeen, and 7.9 hrs. at Parsonstown, none was reported from the southern stations.

SEA

Rather rough on our S.E. coasts, moderate in the Channel, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the N. appears to be of little depth and is moving away in a N.E.ly direction, and the barometer has commenced to rise again in the N.W. The depression in the far south is filling up. There is no sign of any decided change at present, so far as our southern coasts are concerned, beyond the decrease in the strength of the N.E.ly wind.

FORECASTS

For the 24 hours ending at NOON on 10TH MARCH 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	W.ly to N.W.ly winds light or moderate; fair generally.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Light variable airs; fair, cold, some fog.
3	ENGLAND EAST	N.E.ly winds moderate; cloudy, some cold showers in places.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	N.W.ly winds light or moderate; fair generally.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Same as Nos. 3 to 5
9	IRELAND NORTH	Same as Nos. 6 and 7.
10	IRELAND SOUTH	Light variable airs, fair generally.
	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 ...	30·20	36	32	SE	2	c	1	Valencia	30·24	45	38	NW	2	bm	3
Sumburgh Head	30·14	42	37	S	3	b	4	Scilly	30·06	42	38	NE	6	o	4
Stornoway	30·08	46	42	SW	3	c	2	Jersey	29·88	40	38	NNE	6	o	4
Aberdeen	30·19	42	38	SE	2	b	2	Hurst Castle ...	29·96	41	37	NE	6	og	4
Shields	30·18	41	38	N	2	m	2	Dungeness ...	29·84	41	37	NE	8	c	7
Ardrossan	30·18	44	44	S	1	bf	1	North Foreland	29·96	41	40	NNE	8	o	7
Malin Head ...	30·17	47	44	SSW	2	b	0	London (Westminster)	30·00	42	37	NE	6	o	*
Belmullet	30·22	47	44	WSW	3	b	*	Yarmouth ...	30·02	40	37	NE	7	bcq	5
Holyhead	30·21	42	39	NNE	2	b	1	Rochefort ...	29·70	34	34	ENE	5	s	*

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

Weather in morning fine and bright over Ireland and the northern half of Gt. Britain and Norway, as well as in some parts of southern and central Russia; dull and unsettled elsewhere, with snow in several parts of France, rain over the N^rn. part of the Mediterranean. Considerable snow and rain later at the Swedish stations, and rain in the N. of France; slight showers on our N.W^rn. coasts, at Jersey and on the S.E. coast of England.

Temperature risen a little over England, fallen fast over S.E^rn. and slightly over central Europe. Morning readings highest 65° at Lesina, 61° at Patras, 58° at Algiers, 56° at Palermo, 41° to 40° at the Austrian stations; 46° at Lisbon, 40° at Scilly, Brest, Jersey and Dungeness. Rising later to between 48° and 45° over Ireland, and to between 46° and 40° over Gt. Britain, and touching 54° at Nice, 53° at Perpignan.

Wind (1) Extremely variable and light over Ireland, Scotland and Norway; (2) N.E^ly and very strong over the south of England, the Channel and N. of France, moderate from S.W. at the Algerian stations. S.E^ly (E. by S.) over Russia, Poland and Hungary, N.E^ly over Greece, and blowing a gale at Patras. Blowing a moderate gale from N.E. in the English Channel all day, but a moderate breeze from S.W. becoming prevalent over the northwestern and northern parts of our Islands.

Barometer highest (1) 31·14 ins. at Moscow and ranging between that value and 30·2 ins. over the whole of Russia; (2) exceeding 30·2 ins. over Norway, Scotland, Ireland and ever at the Azores. Lowest 29·5 ins. and less in three "minima" – two of them over Spain, and the third over Corsica and the N^rn. shores of the Mediterranean. Distribution much less complex than on the 7^th. Falling later in the N. and W. of our Islands, rising over 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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DAILY WEATHER REPORT

for 8 a.m. on Thursday, 10th March, 1898.

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 ...	30·33	-2	NW	0	b	30·29	+·10	9	9	0	S	2	S	#	b	#	18	-4	0·044
	Hernösand ...	30·33	18	NW	0	o	30·20	-·07	20	19	+14	NW	0	o	#	o	#	27	3	-
	Stockholm ...	30·25	28	NW	0	s	3020	-·05	29	28	+6	NW	0	o	#	s	#	30	21	0·08
	Wisby	30·21	33	S	4	o	3022	+·03	33	32	0	S	4	s	#	o	#	34	30	0·08
	Karlstad ...	30·25	20	N	2	o	3022	-·05	21	21	+13	N	2	f	#	o	#	#	#	-
	Bodö	30·00	29	ENE	4	o	29·88	-·23	34	31	+13	ESE	2	b	1	o	#	37	19	-
	Christiansund ...	30·01	40	SW	8	o	29·94	-·12	41	36	+8	WSW	3	c	4	o	#	41	32	-
	Skudesnaes ...	30·25	35	SSE	4	bc	30·16	-·05	37	36	+5	SSE	6	o	3	bc	#	37	30	#
	Færder (Christiania Fjord)	30·25	30	NE	1	b	3023	-·03	24	23	+1	E	1	bc	1	b	#	30	21	-
	Skagen (The Scaw)	30·20	28	ENE	1	o	30·20	·00	29	28	+3	ENE	1	o	o	o	#	29	25	-
	Fanö	30·17	30	NE	2	o	30·18	+·08	28	27	+1	NE	2	m	#	o	#	36	27	-
	Sumburgh Head	29·99	42	WSW	3	c	29·84	-·11	42	41	0	WSW	4	o	4	bc	#	47	38	0·22
	Stornoway ...	30·07	44	WSW	3	o	30·00	-·02	44	43	+6	WNW	3	c	3	c.o	3·3	43	36	0·10
	Wick	30·07	43	W	2	bc	29·97	-·04	42	40	+1	W	3	c	2	bc	#	48	38	-
	Nairn	30·14	42	SW	1	c	30·07	-·01	42	40	0	WSW	1	bc	1	c	#	50	38	-
	Aberdeen ...	30·16	42	W	1	b	30·11	·00	44	40	+5	SW	2	b	1	bc.b	5·2	50	35	-
	Leith	30·17	45	W	1	o	30·16	+·01	43	40	+3	W	2	bc	#	o	#	51	32	-
	Shields	30·22	44	NW	0	om	30·22	+·04	42	41	+9	WSW	2	m	2	f.p.om	#	45	32	-
	Spurn Head ...	30·20	40	E	2	c	30·22	+·07	37	36	-4	W	1	ow	3	c.v.f	#	46	35	-
	York	30·21	42	SSE	1	b	30·23	+·02	36	34	+7	WNW	1	o	#	c.b.f	1·7	45	29	-
	Loughborough ...	30·21	42	NE	1	c	30·27	+·08	28	27	-2	SE	1	om	#	bc.b.om	#	46	24	-
British Islands.	Ardrossan ...	30·20	46	WSW	2	om	3019	+·06	44	44	+1	WSW	4	c	2	cm.om	#	47	42	-
	Malin Head ...	30·20	44	W	4	bc	30·18	+·04	44	44	+1	SW	4	cpm	3	c.bc	#	47	42	0·03
	Belmullet ...	30·28	46	NW	1	b	30·27	+·06	48	46	+6	W	3	o	#	c.b	#	49	40	0·02
	Donaghadee ...	30·25	46	NW	3	c	30·26	+·08	38	38	-1	WSW	3	bc	1	c	#	49	34	-
	Liverpool (Bidston)	30·24	44	W	1	bc	30·28	+·07	41	39	+6	W	1	o	1	bcm	#	45	35	-
	Holyhead ...	30·24	44	W	1	o gm	30·28	+·09	44	43	+5	NW	1	o	1	o.gm	#	47	38	-
	Parsonstown ...	30·27	46	SW	0	o	3032	+·11	42	40	+4	SW	0	o	#	c.o	1·5	48	37	-
	Valencia ...	30·30	48	NNE	2	bc	30·32	+·10	44	42	+3	SW	0	og	4	o.bc	0·4	49	38	-
	Roche's Point ..	30·27	45	N	1	o	30·34	+·12	43	41	+3	N	2	c	2	o	#	48	39	-
	Pembroke (St. Ann's Hd.)	30·23	41	NE	2	b	30·28	+·08	42	41	+4	E	1	og	1	b	5·2	44	37	-
	Scilly	30·23	41	NNE	4	c	30·23	+·09	46	40	+3	NNE	4	c	1	c	8·2	46	39	-
	Prawle Point ...	30·21	40	NE	3	bc	3025	+·11	35	33	0	NNE	3	b	2	c	#	46	31	-
	Jersey (St. Aubin's)	30·11	42	ENE	5	o g pm	30·16	+·13	42	41	+1	NE	5	cm	4	opm.g	#	43	39	0·15
	Hurst Castle ...	30·15	42	NE	3	c m	30·22	+·12	36	35	-4	NNE	2	bcm	2	o.cm	#	45	35	-
	Dungeness ...	30·11	39	NNE	5	c	30·17	+·14	39	37	0	NNE	4	c	3	r.c	#	41	37	0·02
Germany & Holland.	North Foreland	30·16	39	N	4	o	30·19	+·10	38	37	-2	N	4	cg	3	og	#	40	37	0·02
	London (Brixton) ...	30·18	42	NNE	3	bc	30·24	+·13	36	34	-2	NE	2	b	#	o.bm	0·0	44	33	-
	Oxford	30·24	39	NE	2	o	30·27	+·10	30	29	-5	NNW	1	bm	#	o.c	#	46	27	-
	Cambridge ...	30·21	40	NNE	2	o	30·27	+·12	28	28	-9	NNW	1	f	#	o	0·1	47	26	-
	Yarmouth ...	30·16	39	NE	5	c	30·21	+·13	38	35	-1	NE	4	bc	4	c	#	42	35	-
	Cuxhaven ...	30·10	34	NNE	3	o	3013	+·13	32	32	-1	NNE	2	o	#	o	#	34	32	0·04
	Berlin	30·07	39	SW	2	o	30·11	+·14	35	34	-5	SSE	1	o	#	o	#	41	34	-
	Wiesbaden ...	*	*	*	*	*	30·05	+·07	41	40	+2	N	1	o	#	*	#	46	39	-
	Munich... ..	30·01	37	W	0	o	29·99	+·05	35	35	+2	E	4	f	#	o	#	37	32	0·04
	The Helder ...	30·15	37	NE	2	o	30·17	+·12	37	34	0	NE	2	o	2	o	#	37	34	-
	Brussels ...	*	*	*	*	*	30·15	+·09	34	34	+2	NNE	1	f	#	o	#	36	32	0·04
	Cape Gris Nez...	?30·08	40	E	4	m	?30·08	+·10	39	37	+4	E	4	o	3	m	#	41	30	0·04
	Paris	30·08	39	N	2	o	30·07	+·08	36	35	+2	NNE	3	m	#	o	#	44	33	-
	Brest	30·09	43	NE	4	o	3015	+·16	38	37	-3	NE	1	bc	2	o	#	43	36	-
	Lorient... ...	30·04	42	ENE	5	o	30·09	+·14	41	41	+4	N	4	o	3	c	#	46	37	-
France & Belgium.	Rochefort ...	29·96	48	ENE	4	c	30·02	+·19	41	40	+5	ENE	4	o	#	bc.c	#	54	36	-
	Belfort	29·96	37	E	3	m	29·96	-·01	36	?	+4	E	4	f	#	m	#	38	32	?
	Lyons	29·96	46	N	1	b	29·99	+·03	37	37	+2	N	1	m	#	b	#	53	?	-
	Nice	29·88	53	E	6	bc	29·84	-·04	52	44	+6	E	4	c	3	bc	#	55	46	-
	Perpignan ...	29·85	52	NE	1	r	29·82	+·02	47	46	+6	NE	2	r	#	r	#	54	41	0·32
	Biarritz ...	29·87	45	ENE	3	o	29·85	+·07	44	43	+8	SSE	3	o	2	o	#	45	36	0·04
Peninsula.	Corunna ...																#			
	Lisbon	29·74	46	N	1	o	29·78	+·10	46	41	+3	N	3	b	#	o	#	52	43	-
	Azores (P. Delgada)	30·33	54	NE	4	b	30·30	+·02	55	52	+1	NE	3	bc	2	b	#	59	54	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 0·6 hrs;

WEATHER CHARTS

FOR Thursday, 10th March, 1898

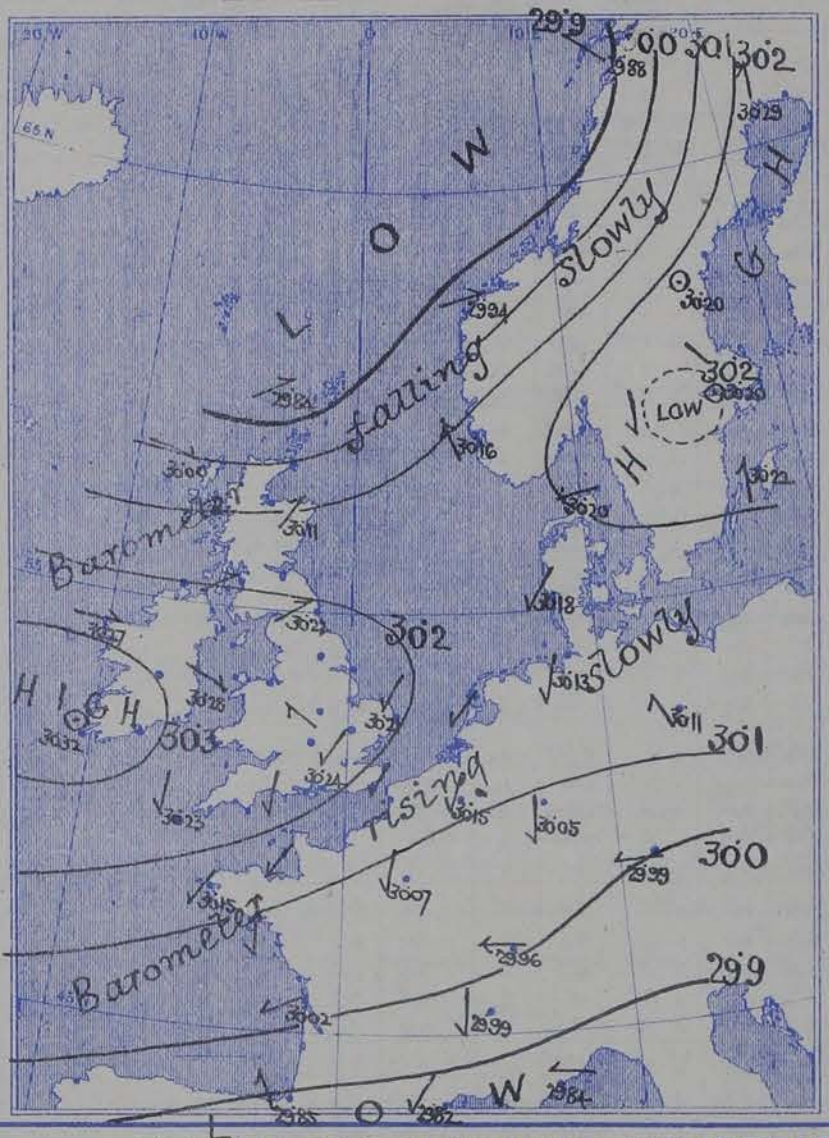
BAROMETER, WIND AND SEA.

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*

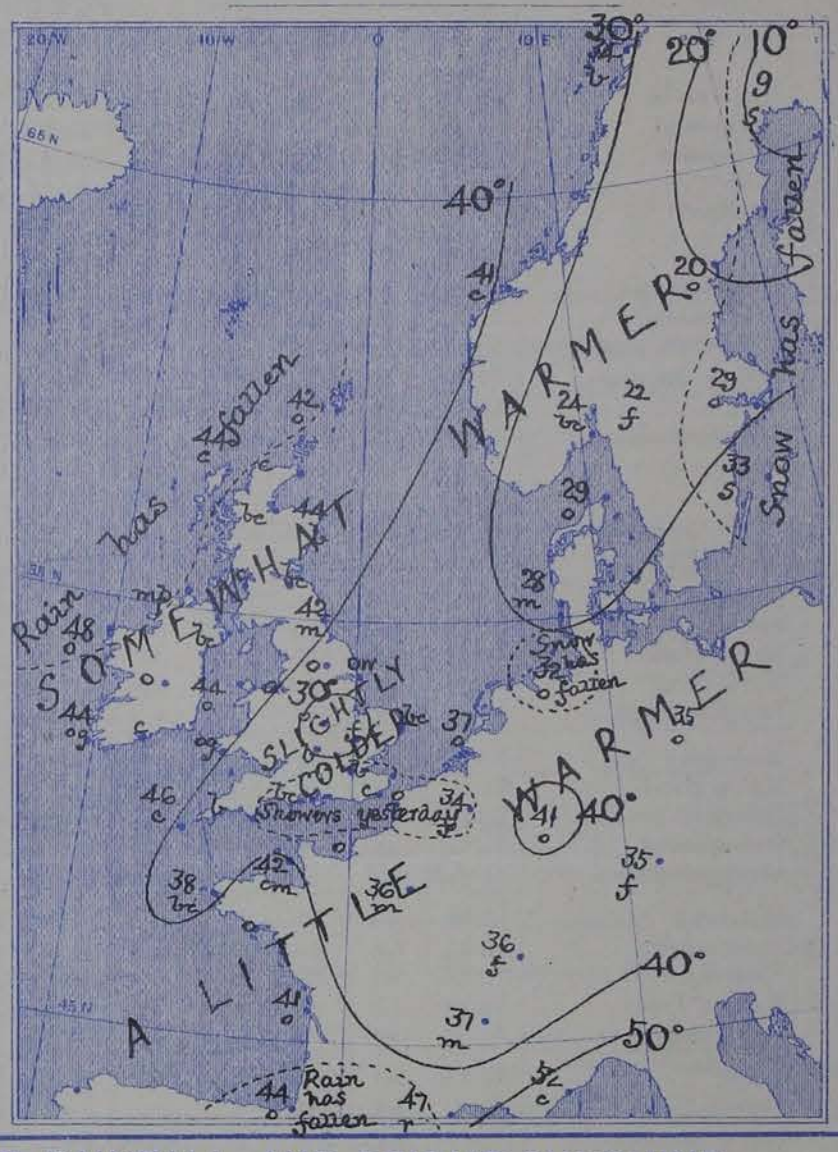


TEMPERATURE & WEATHER.

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 in: and more to 30·2 in: in two anticyclones — one lying over Northern Europe and the Baltic, the other over England, Ireland, and the neighbouring parts of the Atlantic.
Lowest, Below 29·9 in: at Bodö and Swinburgh Head, as well as over the southwestern and southern parts of France.
Gradients becoming somewhat steep in the far north, for W. to NW. winds; slight elsewhere, and favourable for NE. winds in the south.
Distribution anticyclonic over Ireland, England, the North Sea and the Baltic.
Barometer falling at the northern stations, rising in the south.

TEMPERATURE

Highest, 52° at Nice, 48° at Belmullet, 46° at Scilly, 44° at Biarritz, Holyhead and Stornoway.
Lowest, (1) 9° at Haparanda, 20° at Haparanda, 21° at Karlstad, 35° at Berlin and Munich, 36° at Paris (2) 28° to 30° over our south midland counties, 36° in London.
It touched 50° to 51° in the east of Scotland yesterday, but did not exceed 49° at the Irish stations or 46° over England. At Paris the maximum was 44°.

WIND

(1) Moderate from the W. over Scotland, from SW. at Christiansund, and light from SE. at Bodö; (2) Calms prevail over Central England and the south of Ireland; (3) Moderate to light breezes from N. and NE. are blowing over the Channel and Bay of Biscay.

WEATHER

Fair generally — in some districts dull, in others clear and bright, and in some hazy, but dry.
Some rain has fallen in the extreme north and northwest, and some local showers over the Continent and the English Channel.
Bright Sunshine recorded yesterday amounted to 8 hours at Scilly, 5 hours at Aberdeen; over the southeast of England there was none.

SEA

Moderate at Valencia, Jersey, and Yarmouth, slight in the Channel generally, smooth at Holyhead.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The northeasterly breeze is dying down very slowly, while the westerly wind in the north is likely to freshen and veer to northwest, with some cold showers.

FORECASTS

For the 24 hours ending at NOON on 10th MARCH 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	W. and NW. winds, strong; some cold showers.
1	SCOTLAND EAST	W. breezes; fair as a whole.
2	ENGLAND N.E.	
3	ENGLAND EAST	Same as No 5.
4	MIDLAND COUNTIES	Variable airs; fine generally, hazy.
5	ENGLAND SOUTH	NE. and N. winds, moderate to light; fine, hazy 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 No 0
10	IRELAND SOUTH	Same as No 4.
	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 ...	30·25	36	32	SSE	2	c	3
Sumburgh Head	29·99	44	42	NSW	2	b	4
Stornoway	30·05	48	44	N	3	c	3
Aberdeen	30·12	49	43	N	3	bc	1
Shields	30·19	41	39	N	2	om	2
Ardrossan	30·16	47	46	SW	2	cm	2
Malin Head ...	30·19	46	44	NSW	4	c	2
Belmullet	?30·27	49	45	NNW	2	bc	*
Holyhead	30·22	46	43	NW	2	0	1
Valencia	30·26	48	45	NW	2	0	3
Scilly	30·17	45	40	ENE	4	c	2
Jersey	30·09	43	42	ENE	5	0pm	4
Hurst Castle ...	30·12	44	40	NNE	3	0	3
Dungeness ...	30·10	39	38	NNE	4	r	4
North Foreland	30·13	40	39	N	5	0	5
London (Westminster)	30·14	43	38	ENE	5	0	*
Yarmouth ...	30·13	42	38	ENE	5	c	4
Rochefort ...	29·86	48	45	ENE	4	bc	*

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

Weather in morning fine and bright over many parts of Russia and the greater part of Scandinavia and Scotland, dull and unsettled elsewhere, but improving over England. Snow falling over Finland, rain over Central Ireland and the southern parts of France and fog at several of the French stations. Rain falling later at several of the Continental stations, slight showers in the south of England, and a fresh fall commencing in the extreme north and northwest of the British Islands.

Temperature recovering a little over Western Europe, falling over Sweden and many parts of Russia and southeastern Europe. Morning readings highest 58° at Algiers, 55° at Palermo, 51° at Lisbon; 48° at Coruna, 43° at Scilly and Malin Head, 42° at Sumburgh Head. Lowest (1) −5° F. to Zero over the Central and southern parts of Russia, +9° at Haparanda, and below the freezing point all over Russia, Hungary and northern Europe; (2) 29° at York, 30° at Loughborough. Rising later to 50° or 51° over the northeastern parts of Great Britain and to 49° in several parts of Ireland, but not exceeding 40° at the North Foreland or 41° at Berlin; touching 55°, however, at Nice.

Wind (1) SE$^{\frac{1}{2}}$ to S$^{\frac{1}{2}}$ over Russia and the Baltic, and moderate to strong in force; NE$^{\frac{1}{2}}$, moderate to strong over the south of England and the Channel, N$^{\frac{1}{2}}$ to E$^{\frac{1}{2}}$, and light over France and Spain; (2) a light W$^{\frac{1}{2}}$ to SW$^{\frac{1}{2}}$ breeze setting in over Scotland, and a SE$^{\frac{1}{2}}$ breeze in the west of Norway. The E$^{\frac{1}{2}}$ breeze in the south and east of England moderating considerably later, hardly any change elsewhere.

Barometer highest (1) 30·9 in: and more to 30·2 in: over Russia, and exceeding 30·2 in: in two ridges, lying, one over the southern half of Scandinavia, the other over Ireland and adjacent part of the Atlantic. Lowest 29·6 in: and less to 29·7 in:, in a large and complex (but shallow) depression covering Algeria and Spain, and below 30·0 in: over nearly the whole of France. Rising steadily over the British 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.

* 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, 11th March, 1898.

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 ...	30·30	22	SW	2	0	29·95	-·34	21	21	+12	S	2	S	*	0	*	21	-13	0·04
	Hernösand ...	30·22	25	S	4	0	29·99	-·21	19	18	-1	SW	0	bc	*	0	*	27	16	-
	Stockholm ...	30·14	30	SW	0	0	30·07	-·13	29	28	0	W	4	0	*	0	*	34	27	-
	Wisby	30·18	33	SSW	4	0	30·18	-·04	33	32	0	WNW	4	0	*	0	*	34	30	0·04
	Karlstad ...	30·13	28	SW	2	0	30·20	-·02	27	26	+6	NW	2	b	*	0	*	*	*	-
	Bodö	29·86	39	E	4	0	29·89	+·01	29	27	-5	E	4	S	1	0	*	44	27	-
	Christiansund ...	29·85	36	WSW	5	r	30·10	+·16	36	32	-5	WSW	4	r	4	r	*	45	36	0·12
	Skudesnaes ...	30·12	41	WSW	2	c	30·24	+·08	33	33	-4	SW	0	f	1	0,c	*	44	30	*
	Færder (Christiania Fjord)	30·11	30	SW	4	b	30·21	-·02	32	31	+8	WNW	2	b	2	b	*	82	23	-
	Skagen (The Scaw)	30·17	30	SSW	1	b	30·20	·00	86	86	+7	NW	1	b	0	b	*	86	27	-
	Fanö	30·23	29	NE	1	0	30·26	+·08	35	33	+7	SW	1	bc	*	0	*	36	28	-
British Islands.	Sumburgh Head	30·03	42	WNW	3	c	30·08	+·19	43	41	+1	S	1	0	4	c	*	46	39	0·04
	Stornoway ...	30·12	46	WNW	3	c	30·00	·00	46	46	+2	SW	4	0	4	bc.c	6·5	49	41	0·05
	Wick	30·18	44	W	2	c	30·05	+·08	45	43	+3	SW	2	bc	2	c	*	48	38	-
	Nairn	30·20	46	SW	0	bc	30·11	+·04	44	42	+2	W	1	c	1	bc	*	50	32	0·01
	Aberdeen ...	30·19	46	WSW	1	bc	30·15	+·04	43	40	-1	SW	1	bmw	1	c,bc	7·7	54	34	-
	Leith	30·19	48	W	1	0	30·19	+·03	46	44	+3	WSW	1	bc	*	0	*	54	41	-
	Shields	30·23	47	W	1	b	30·26	+·04	44	43	+2	SW	1	m	2	c,b	*	51	39	-
	Spurn Head ...	30·23	42	NE	2	b	30·25	+·03	39	37	+2	WNW	1	b	2	f.b.f	*	48	36	-
	York	30·24	49	WNW	1	c	30·27	+·04	31	31	-5	WNW	1	b	*	c.b.c	4·7	53	28	-
	Loughborough ...	30·26	36	ENE	1	bc	30·29	+·02	26	26	-2	SW	0	f	*	cf.m.f	*	44	23	-
	Ardrossan ...	30·21	45	S	4	0	30·20	+·01	46	46	+2	SSW	2	c	2	c.0	*	49	43	-
	Malin Head ...	30·20	47	W	4	cd	30·15	-·03	44	44	0	S	3	cg	2	c.dm	*	48	43	-
	Belmullet ...	30·28	49	W	1	bc	30·20	-·07	48	47	0	WSW	3	c	*	0,bc	*	52	45	0·02
	Donaghadee ...	30·26	50	SW	3	c	30·24	-·02	43	43	+5	WSW	3	f	1	c	*	55	37	-
	Liverpool (Bidston)	30·30	46	WNW	1	b	30·29	+·01	37	35	-4	S	0	b	?	b	*	47	36	-
	Holyhead ...	30·29	44	S	0	b	30·28	·00	41	40	-3	SW	1	cm	1	b	*	51	39	-
	Parsonstown ...	30·29	50	S	0	0	30·24	-·08	46	45	+4	SW	0	0m	*	c,0	1·0	51	40	-
	Valencia ...	30·33	48	S	0	0dm	30·25	-·07	48	48	+4	SSW	1	0gm	4	c,0dm	1·1	51	42	0·16
	Roche's Point ..	30·33	48	N	1	0	30·28	-·06	45	43	+2	N	1	c	2	c,0	*	50	41	-
	Pembroke (St. Ann's Hd.)	30·27	43	ENE	1	b	30·25	-·03	42	40	0	NE	2	b	0	c,0	5·7	45	41	-
	Scilly	30·24	47	NNE	4	bc	30·21	-·02	46	43	0	NE	2	c	1	bc	7·5	49	40	-
	Prawle Point ...	30·24	43	NNE	3	0	30·21	-·04	37	36	+2	NNE	3	c	2	c	*	48	34	-
	Jersey (St. Aubin's)	30·18	43	NE	4	bm	30·15	-·01	42	40	0	NE	4	c	3	bc.bm	*	46	40	-
	Hurst Castle ...	30·20	45	NE	2	bcm	30·21	-·01	36	35	0	NE	2	0gm	2	bcm	*	48	35	-
	Dungeness ...	30·18	40	NNE	5	bc	30·15	-·02	40	37	+1	NE	5	c	4	c.bc	*	43	37	-
	North Foreland	30·24	39	N	5	bc	30·21	+·02	40	37	+2	ENE	5	0	4	c.bc	*	41	36	-
	London (Brixton) ...	30·23	44	NE	3	bc	30·24	·00	36	35	0	ENE	1	0gm	*	cm.b.m	1·3	47	34	-
	Oxford	30·27	37	NE	1	b	30·27	·00	31	31	+1	N	1	f	*	b.bf	*	49	29	-
	Cambridge ...	30·25	41	NNE	1	0	30·28	+·01	28	28	0	N	1	cf	*	c,0	4·3	47	25	-
	Yarmouth ...	30·22	41	NNE	3	bc	30·24	+·03	40	39	+2	NE	4	c	4	bc	*	43	35	-
Germany & Holland.	Cuxhaven ...	30·17	34	NNE	2	0	30·25	+·12	29	29	-3	ENE	2	bc	*	0	*	34	28	-
	Berlin	30·13	41	SE	1	0	30·19	+·08	35	32	0	SW	0	0	*	0	*	45	32	-
	Wiesbaden ...	*	*	*	*	*	30·09	+·04	40	36	-1	NE	2	0	*	*	*	45	30	-
	Munich... ..	30·00	36	SE	1	0	30·00	+·01	30	28	-5	NE	4	0	*	0	*	37	28	-
	The Helder ...	30·21	36	NE	2	c	30·23	+·06	37	36	0	NE	2	c	2	c	*	39	36	-
Belgium.	Brussels ...	*	*	*	*	*	30·17	+·02	33	32	-1	NNE	3	f	*	0	*	39	32	-
	Cape Gris Nez...	?	40	E	5	0	?	?	36	34	-3	E	5	0	4	0	*	41	32	-
	Paris	30·10	38	NNE	4	0	30·09	+·02	35	34	-1	NNE	4	m	*	0	*	41	35	-
	Brest	30·17	43	NE	3	b	30·16	+·01	40	39	+2	NE	2	c	1	b	*	45	36	-
	Lorient... ...	30·10	44	NE	5	c	30·08	-·01	39	39	-2	NE	5	bc	4	c	*	45	36	-
France &	Rochefort ...	30·02	43	ENE	5	bc	30·02	·00	40	39	-1	NE	5	0	*	0,bc	*	48	37	-
	Belfort	29·98	38	NE	3	m	30·04	+·08	35	35	-1	ENE	3	m	*	m	*	41	35	-
	Lyons	29·98	40	NNW	1	m	29·95	-·04	39	38	+2	N	1	m	*	m	*	42	37	-
	Nice	29·79	54	E	3	0	29·75	-·09	51	42	-1	E	1	c	4	0	*	61	48	-
	Perpignan ...	29·82	42	?	3	r	29·83	+·01	45	45	-2	W	0	r	*	r	*	53	?	3·43
	Biarritz ...																*			
Peninsula.	Corunna ...																*			
	Lisbon	29·81	54	N	5	b	29·82	+·03	51	45	+5	N	4	b	*	b	*	59	46	-
	Azores (P. Delgada)	30·34	55	ENE	3	bc	30·34	+·04	54	50	-1	ENE	3	b	2	bc	*	61	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 7·2 hrs;

WEATHER CHARTS

FOR Friday, 11th March, 1898

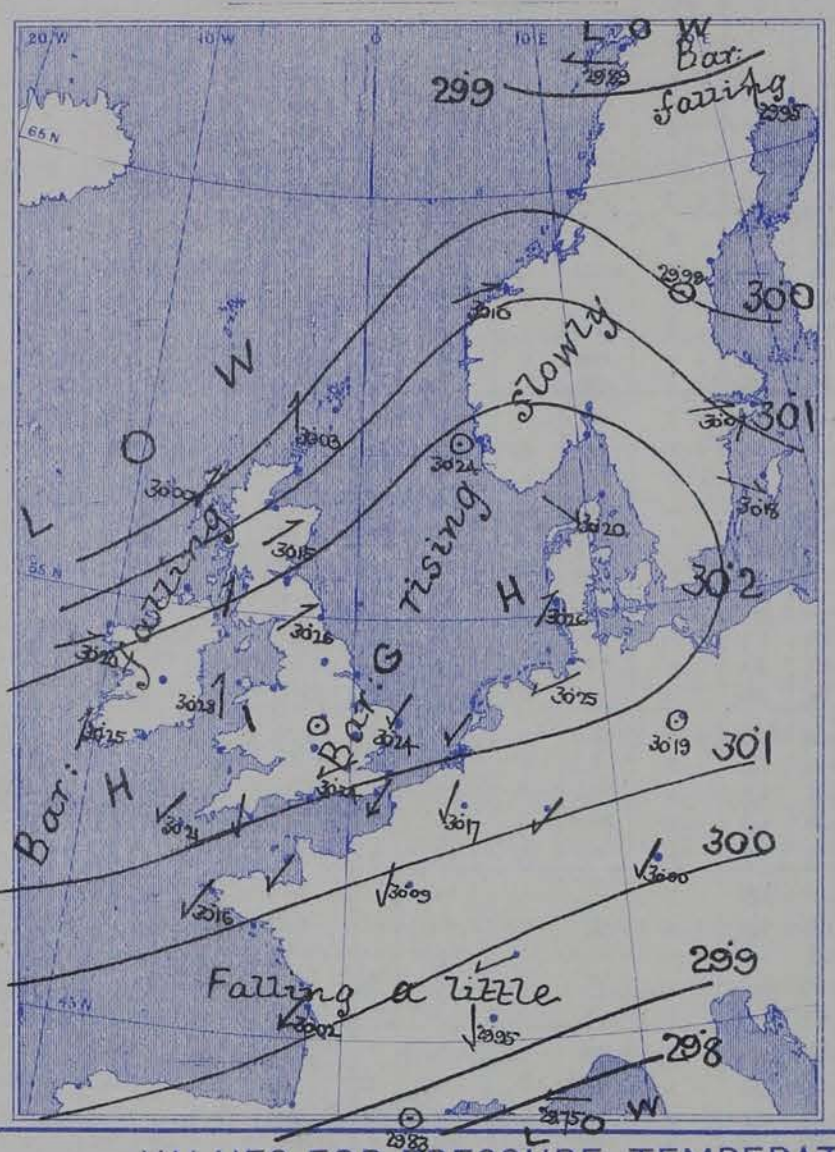
BAROMETER, WIND AND SEA.

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* ▨

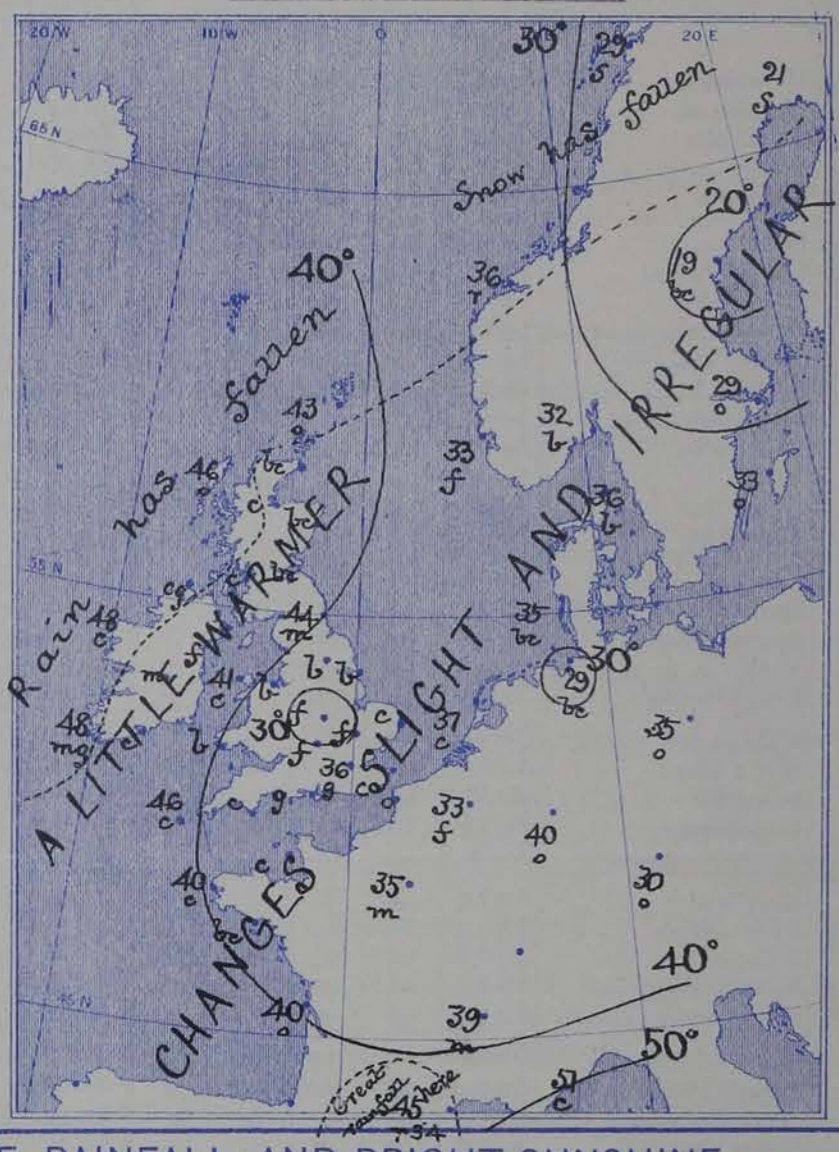


TEMPERATURE & WEATHER.

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, 30·2 in: and more in an elongated anticyclone stretching from Ireland across England and the North Sea to the south of Sweden.
Lowest, (1) Below 29·8 in: in the extreme south of France, and (2) Below 29·9 in: over Lapland, and 30·0 in: at Stornoway.
Gradients slight.
Barometer very steady at the southern stations, falling rather decidedly over Ireland and Scotland.

TEMPERATURE

Highest, 51° at Nice, 48° to 44° on the extreme western and northwestern coasts of our Islands.
Lowest, (1) 19° to 29° over Sweden and Lapland, 30° at Munich, 33° at Brussels and 35° at Paris (2) 26° to 31° over our midland counties.
Maxima of 54° to 50° were recorded at several Scotch stations yesterday, and 52° to 50° on our western coasts. The frost over our midland counties, however, was very sharp early this morning.

WIND

(1). SW 2 (W to S) at all our northern and northwestern stations, and in the west of Norway.
(2) Calm over the Central parts of England.
(3) Moderate to light over the English Channel, France, and the Bay of Biscay.

WEATHER

Fair generally except in the northwest of Norway, where rain and snow are reported. In many places the sky is clear, but in the remainder it is dull and in several localities haze prevails.
A little rain has fallen over Ireland and Scotland, none over England, but in the south of France there has been a very heavy fall — viz 3·43 in: at Perpignan. Bright Sunshine recorded yesterday amounted to 8 hrs: at Blandurdos, and 7 hrs or more at Aberdeen, Scilly, and Brighton; over Ireland and in London there was little more than an hour.

SEA

Moderate in the far north, at Valencia, and off the southeast of England, slight to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The NE 2 wind appears to be dying out completely at our southern stations, while in the west and north a SW 2 breeze is setting in with a steadily falling barometer. This SW 2 breeze appears likely to increase in strength and to spread all over our Islands during the coming 24 hours.

FORECASTS

For the 24 hours ending at NOON on 12th MARCH 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SW 4 winds, strong; squally, showery, mild.
1	SCOTLAND EAST	W 4 and SW 4 winds, freshening; milder, fine today, less fair tomorrow.
2	ENGLAND N.E.	
3	ENGLAND EAST	NE 4 breezes, falling Calm; hazy or foggy today, and cold at night; milder tomorrow.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as No 0.
7	ENGLAND N.W.	SW 4 breezes, moderate to fresh; fair, mild.
8	ENGLAND S.W.	Same as No 5.
9	IRELAND NORTH	Same as No 0.
10	IRELAND SOUTH	Same as No 7.
	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 ...	30·10	38	37	S	6	0	3
Sumburgh Head	29·93	44	42	W	4	c	4
Stornoway	30·08	49	45	NW	4	bc	4
Aberdeen	30·14	51	45	W	3	c	2
Shields	30·21	50	45	WNW	3	c	2
Ardrossan	30·21	48	47	SW	3	c	3
Malin Head ...	30·19	48	47	WSW	4	c	3
Belmullet	30·27	52	51	W	3	0	*
Holyhead	30·29	49	46	NW	1	b	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·34	50	47	W	1	0	4
Scilly	30·24	48	44	NNE	4	bc	1
Jersey	30·18	45	42	NNE	5	bc	4
Hurst Castle ...	30·19	48	43	NE	4	bcm	2
Dungeness ...	30·17	42	38	NNE	5	c	4
North Foreland	30·21	41	37	N	4	c	4
London (Westminster)	30·20	46	40	NE	4	cq	*
Yarmouth ...	30·22	43	39	NNE	4	bc	4
Rochefort ...	30·02	42	41	ENE	4	0	*

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

Weather in morning fair generally over the British Islands and Norway as well as over Russia generally and the greater part of Italy, somewhat unsettled elsewhere, with snow at some stations in northern Europe, as well as at Odessa; considerable rain at Perpignan. Some showers later over the northern and northwestern countries, and a heavy fall of rain (3·43 in:) at Perpignan. Fog and haze becoming prevalent over England.

Temperature risen a little over Ireland, Scotland, and northern Europe generally, fallen over Central Europe. Morning readings highest 59° at Palermo, 56° at Malta, 55° at Algiers, 52° at Nice, 51° at Coruna; 46° at Scilly, 44° at Valencia, Malin Hd, Ardrossan and Stornoway, 42° at Sumburgh Head. Lowest (1) −3° F. at Moscow and Kiew, −1° at Kharkov, +8° at Lemberg, 9° at Archangel, and much below the freezing point all over Russia, Sweden, and Lapland; (2) 28° to 30° over the midland counties of England. Rising later to between 50° and 55° over Scotland and the north of Ireland, and to between 45° and 49° over England; touching 53° at Perpignan, 59° at Lisbon, and 61° at Nice.

Wind (1) light and anticyclonic over Russia and Finland, as well as over the major part of Ireland and England; varying greatly elsewhere (1) cyclonic from between W. and S. over Scotland and the west of Norway, and from between N. and NW. (strong to a gale) over the Black Sea. A separate and complex cyclonic circulation observed over the Spanish Peninsula and greater part of the Mediterranean.

Barometer (1) highest 30·76 in: at Moscow, and 30·2 in: over Russia, Hungary, Eastern Germany, the Baltic, and the southern half of Sweden; (2) 30·2 in: to 30·3 in: and more over England, Ireland, and adjacent parts of the Atlantic. Lowest (1) 29·6 in: at San Fernando, and below 29·7 in: over the southern half of Spain and the western half of the Mediterranean; (2) below 29·7 in: in a depression over Asia Minor; (3) below 29·9 in: in a large low-pressure area lying off the west of Norway and covering the Shetland Isles. Rising over the United Kingdom later, but falling in the northwest of Norway.

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, 12th March, 1898.

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 ...	30·10	8	NE	0	b	30·25	+·30	16	14	−5	NE	0	c	*	b	*	25	3	−
	Hernösand ...	30·18	22	N	2	b	30·21	+·22	9	9	−10	NE	0	b	*	b	*	37	9	−
	Stockholm ...	30·27	30	NE	0	b	30·23	+·16	22	22	−7	NE	0	b	*	b	*	37	22	−
	Wisby	30·28	31	N	4	b	30·25	+·07	32	32	−1	SW	2	b	*	b	*	36	28	−
	Karlstad ...	30·25	29	NE	0	b	30·23	+·03	23	23	−4	ENE	2	b	*	b	*	*	*	−
	Bodö	30·09	32	E	2	bc	29·97	+·08	31	28	+2	E	6	S	2	bc	*	32	?	−
	Christiansund ...	30·03	40	WSW	5	o	29·93	−·17	43	38	+7	S	4	c	4	o	*	43	36	−
	Skudesnaes ...	30·20	40	S	4	o	30·12	−·12	39	38	+6	S	6	o	4	o	*	42	33	*
	Færder (Christiania Fjord)	30·24	33	S	1	b	30·20	−·01	31	31	−1	SSW	2	o	2	b	*	36	28	−
	Skagen (The Scaw)	30·26	32	SSW	1	f	30·21	+·01	31	31	−5	SSW	2	m	0	f	*	37	30	−
	Fanö	30·25	35	NW	1	fb	30·19	−·07	33	33	−2	S	1	b	*	b	*	45	33	−
British Isles.	Sumburgh Head	29·91	45	SSW	2	o	29·68	−·35	45	44	+2	S	4	r	4	c.o	*	48	41	0·04
	Stornoway ...	29·85	47	SW	4	o	29·70	−·30	40	39	−6	WSW	4	c	4	c.o	1·0	50	37	0·45
	Wick	29·92	46	SW	3	bc	29·75	−·30	42	41	−3	W	2	o	2	bc	*	50	40	−
	Nairn	29·96	48	W	1	bc	29·82	−·29	45	43	+1	WSW	1	o	1	bc	*	56	42	−
	Aberdeen ...	30·05	49	SW	2	c	29·86	−·29	45	41	+2	S	4	cq	3	bc.c	7·5	57	40	−
	Leith	30·09	50	W	1	o	29·94	−·25	46	42	0	SW	2	c	*	o	*	56	41	−
	Shields	30·15	47	S	1	om	30·03	−·23	38	32	−11	SSW	3	cuf	2	cm.f	*	55	32	−
	Spurn Head ...	30·17	40	E	3	b	30·07	−·18	38	35	−1	E	3	o	3	b.bw	*	46	36	−
	York	30·18	48	SSE	1	o	30·10	−·17	33	32	+2	S	1	f	*	b.o	4·4	53	31	−
	Loughborough ...	30·18	42	E	1	c	30·11	−·18	33	32	+1	NNE	1	om	*	f.c.bc.o	*	46	26	−
	Ardrossan ...	30·08	47	SSW	3	om	29·90	−·30	45	45	−1	SSW	3	o drp	3	cm.om	*	47	44	0·01
	Malin Head ...	30·03	48	S	3	c	29·92	−·23	44	42	−2	W	4	op	3	c	*	49	42	0·06
	Belmullet ...	30·08	50	WSW	3	c	30·01	−·19	45	40	−3	WNW	3	c	*	c	*	52	40	0·04
	Donaghadee ...	30·12	47	SW	3	c	29·97	−·27	44	44	−1	SSW	3	o	1	f.c	*	53	40	−
	Liverpool (Bidston)	30·18	44	NNE	1	c	30·07	−·22	30	30	−7	S	2	m	?	cm	*	47	30	−
	Holyhead ...	30·17	46	NE	0	cm	30·06	−·22	43	41	+2	S	2	bc	1	b,cm	*	52	38	−
	Parsonstown ...	30·13	49	NE	0	o	30·02	−·22	45	44	−1	SW	1	od	*	c.o	1·3	54	41	0·01
	Valencia ...	30·15	50	NE	0	c	30·07	−·18	46	44	−2	NNW	4	rm	4	c	1·8	53	43	0·26
	Roche's Point ..	30·17	48	S	2	o	30·07	−·21	45	44	0	S	1	of	2	c.of	*	51	41	−
	Pembroke (St. Ann's Hd.)	30·15	44	NW	2	o	30·07	−·18	37	37	−5	E	1	b	0	b	6·7	49	36	−
	Scilly	30·12	47	ENE	1	c	30·05	−·16	45	43	−1	NNE	1	cw	1	bc.c	8·7	50	40	−
	Prawle Point ...	30·16	42	NNE	3	c	30·07	−·14	37	36	0	NNE	3	b	2	c	*	45	33	−
	Jersey (St. Aubin's)	30·08	43	ENE	3	cqm	30·01	−·14	43	40	+1	N	3	om	3	bc.cqm	*	46	41	−
	Hurst Castle ...	30·11	43	NNE	1	bm	30·04	−·17	37	36	+1	NNE	2	oqm	1	om.bm	*	45	34	−
	Dungeness ...	30·08	40	ENE	5	c	30·00	−·15	39	37	−1	NE	3	o	2	bc.c	*	43	38	−
	North Foreland	30·14	39	NE	4	b	30·02	−·19	38	37	−2	NE	3	o	2	b	*	42	37	−
	London (Brixton) ...	30·14	43	ENE	1	bc	30·05	−·19	38	36	+2	NNW	1	oqm	*	oqm.b	0·0	45	36	−
	Oxford	30·15	39	NE	1	b	30·09	−·18	35	33	+4	N	2	o	*	c.b	*	46	31	−
	Cambridge ...	30·17	42	E	1	b	30·08	−·20	36	36	+8	N	2	o	*	c.b	3·0	50	27	−
	Yarmouth ...	30·17	40	ENE	4	bc	30·05	−·19	39	37	−1	ENE	3	c	4	bc	*	43	36	−
Germany & Holland.	Cuxhaven ...	30·22	34	NE	3	b	30·15	−·10	33	33	+4	E	2	c	*	b	*	36	29	−
	Berlin	30·19	39	SE	2	b	30·16	−·03	32	30	−3	ENE	3	b	*	b	*	45	28	−
	Wiesbaden ...	*	*	*	*	*	29·97	−·12	37	34	−3	NE	2	b	*	*	*	48	36	−
	Munich... ..	29·93	33	NE	4	b	29·88	−·12	28	21	−2	E	3	b	*	b	*	41	25	−
	The Helder ...	30·15	36	NE	4	c	30·07	−·16	35	34	−2	E	2	o	2	c	*	39	34	−
Belgium.	Brussels ...	*	*	*	*	*	29·97	−·20	30	30	−3	ENE	2	f	*	o	*	37	30	−
	Cape Gris Nez...	?	39	E	4	o	?	?	38	36	+2	E	4	m	2	o	*	41	32	−
	Paris	30·02	38	N	3	o	29·96	−·13	32	32	−3	NNE	3	m	*	o	*	40	32	−
	Brest	30·06	43	NE	2	bc	30·03	−·13	41	39	+1	NE	1	o	1	bc	*	48	36	−
	Lorient... ...	30·04	44	NNE	3	o	30·02	−·06	41	41	+2	NE	4	o	2	o	*	50	37	−
France &	Rochefort ...	30·02	44	NE	5	o	29·99	−·03	40	39	0	?	4	o	*	o	*	45	37	−
	Belfort	29·90	38	ENE	5	m	29·88	−·16	31	30	−4	E	2	o	*	m	*	40	30	−
	Lyons	29·92	38	N	1	o	29·86	−·09	38	37	−1	S	1	m	*	o	*	41	37	−
	Nice	29·80	48	SE	6	c	29·85	+·10	41	35	−10	E	1	bc	4	c	*	57	39	−
	Perpignan ...	29·82	50	E	0	o	29·88	+·05	46	43	+1	N	1	o	*	o	*	?	44	0·59
	Biarritz ...	29·88	48	NE	4	o	29·89		46	43		? NNW	4	o	3	o	*	48	45	−
Peninsula.	Corunna ...																*			
	Lisbon	29·84	54	N	5	b	29·94	+·12	52	49	+1	NNW	4	b	*	b	*	61	50	−
	Azores (P. Delgada)	30·38	55	ENE	3	o	30·40	+·06	54	48	0	NNE	3	o	2	o	*	63	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..3·8..hrs;

WEATHER CHARTS

FOR Saturday, 12th March, 1898

BAROMETER, WIND AND SEA.

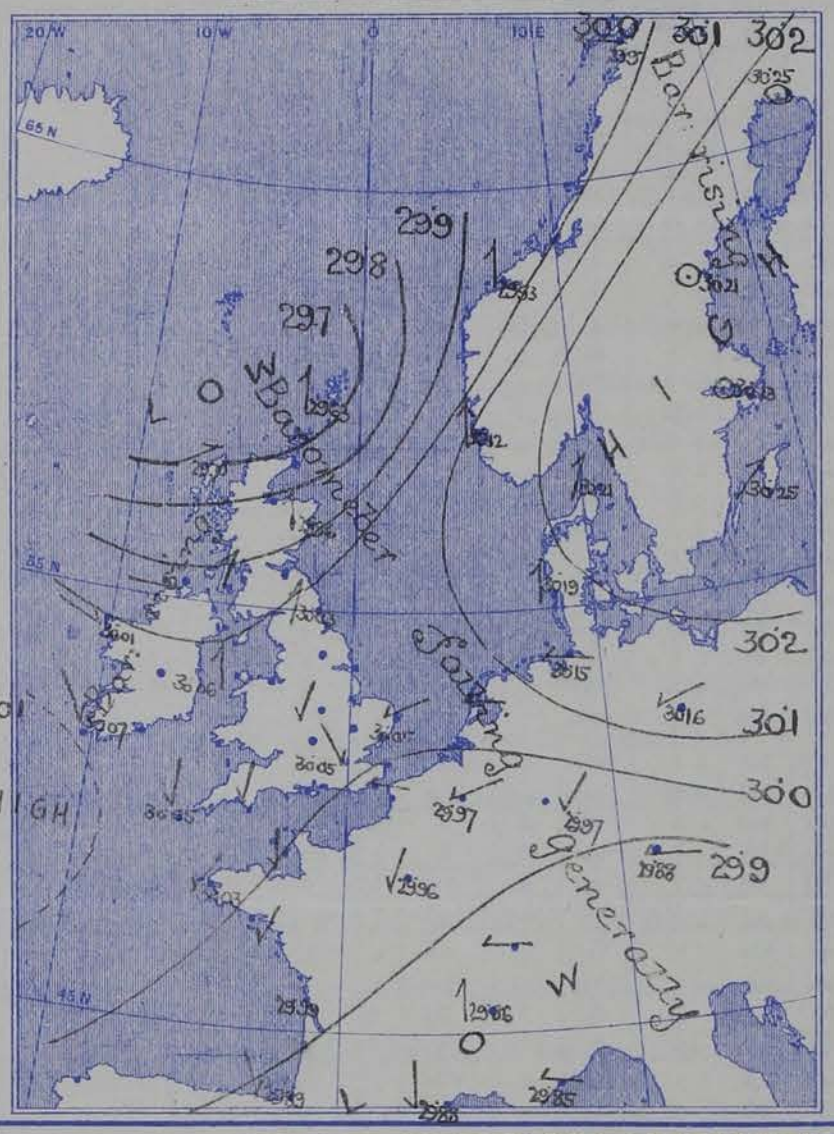
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▬

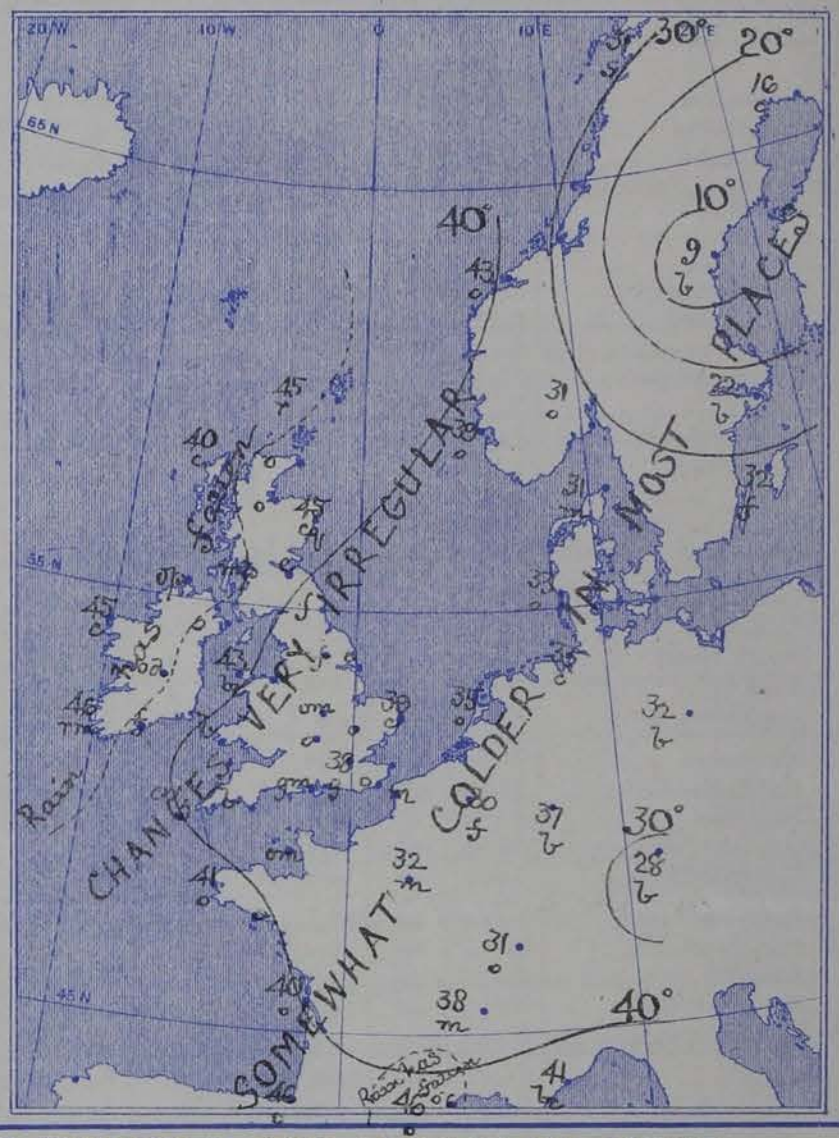


TEMPERATURE & WEATHER.

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 · 4	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 to 30·1 ins over the Baltic, Sweden, and Denmark, and exceeding 30·1 ins in a small anticyclone over Central England, and apparently in a larger one off our extreme southwestern coasts.
Lowest. Below 29·7 ins over the Shetland Isles and extreme north of Scotland, and below 29·9 ins over the southern half of France.
Gradient somewhat steep between Scotland and Norway, moderate over Scotland, very slight elsewhere.
Barometer falling almost everywhere, but has begun to rise again at Valencia since 7 am.

TEMPERATURE

Highest, 46° to 40° along the south and west coasts of France, 46° to 45° on the south and west coasts of Ireland, 45° at most of the Scotch stations.
Lowest, (1) 9° at Haparanda, 16° at Kaparanda, 23° at Karlstad, 28° at Munich, 30° at Brussels and Liverpool, 31° at Berlin and Paris; (2) 33° to 36° over Central England and at Shields.
Maxima were recorded yesterday as high as 51° to 55° over the east of Scotland, and 54° to 50° over Ireland; at the English stations they were several degrees lower. At Kew the maximum was 57°.

WIND

(1) S. to W. moderate to light over Norway and the northern parts of our Islands; (2) N. to NE. in the south – light over our southern counties and the Channel, moderate over the Bay of Biscay; (3) Very light and anticyclonic over the Baltic and the eastern shores of the North Sea.

WEATHER

Fine and bright over Sweden and Germany, gloomy over France and Great Britain, but hazy in many places, dull with slight rain over Ireland. Bright Aurora was seen at Wick last night.
A further fall of 0·59 ins of rain is reported from Perpignan.
Bright Sunshine recorded yesterday amounted to 8·7 hrs at Scilly, 7·5 hrs at Aberdeen, 6·5 hrs at Aberdeen; Elsewhere it was much slighter, in London there was none.

SEA

Moderate on our extreme northern coasts, as well as at Valencia and Yarmouth, slight to very smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The near anticyclone off our southwest coasts seems likely to spread steadily over the Kingdom generally. A cold night is probable over England – very slight mist today, but drier and colder (weather) tomorrow, with haze or fog in several places.

FORECASTS

For the 24 hours ending at NOON on 13th MARCH 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	W. to NW. winds, moderate; some showers, colder.
1	SCOTLAND EAST	SW. and W. winds, light; fair, colder.
2	ENGLAND N.E.	
3	ENGLAND EAST	Variable and N. airs; dull, some misty drizzle, then drier and colder, hazy.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Wind shifting to NW. or N. again, with fall of temperature and drier weather, 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 ...	30·25	42	39	S	2	o	2
Sumburgh Head	29.98	47	45	S	2	c	4
Stornoway	29.93	48	47	SW	4	o	4
Aberdeen	30·08	56	48	SW	3	bc	1
Shields	30·20	53	47	SSE	3	cm	2
Ardrossan	30·13	47	47	SSW	3	c	3
Malin Head ...	30·09	49	48	SSW	4	c	2
Belmullet	30·14	52	49	WSW	3	c	*
Holyhead	30·21	50	46	WSW	2	b	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·20	52	49	WSW	1	c	3
Scilly	30.16	50	44	NE	2	bc	1
Jersey	30·10	45	42	NE	4	bc	3
Hurst Castle ...	30·14	44	41	NE	4	om	3
Dungeness ...	30·11	43	39	ENE	5	bc	4
North Foreland	30·18	41	38	NE	5	b	5
London (Westminster)	30.18	45	41	NE	2	cm	*
Yarmouth ...	30·20	43	40	ENE	4	bc	4
Rochefort ...	30.03	43	41	ENE	4	o	*

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

Weather in morning fine and dry over England, Ireland, the north of France, the North Sea, and Central Europe, dull and hazy at several of the individual stations, clear and bright at others. Rain and snow falling over the northwestern half of Norway, snow over Finland and some parts of Russia; still raining at Archangel, but over the major part of Great Britain, France and Germany weather remaining dry.

Temperature not changing much anywhere. Morning readings highest 58° at Malta, 55° at Algiers, 51° at Lisbon, 48° at Valencia and Belmullet, 46° at Stornoway and Leith. Lowest (1) -5° F. at Kiew, +6° at Moscow, 11° at Odessa, and much below the freezing point all over Russia, Lapland, Poland, and Hungary; (2) 26° to 31° over Central England. Rising later to between 51° and 50° over Scotland (and the north of England) and to between 54° and 50° Ireland; not touching 40° over the Netherlands.

Wind light to moderate in force over the Continent as a whole (1) Anticyclonic over Russia, Denmark, England and Ireland; (2) S to SW (cyclonic) over Scotland and the north of Ireland; (3) NW and W over Sweden, S over the Baltic Provinces and Finland; (4) NE over France and Spain. Very little change later.

Barometer highest 30·5 ins. to 30·3 ins. in an anticyclone over Russia and exceeding 30·2 ins. in a ridge extending thence in a W. direction over North Germany, the Baltic, Denmark, the North Sea and England to Ireland. Lowest (1) Below 29·9 ins. over Lapland, and below 30·0 ins. over the Hebrides; (2) below 29·7 ins. over Central Algeria and below 29·8 ins. over the Mediterranean and the southern parts of Spain and France. Falling all over the British Islands later, and fall extending to the northwestern parts of the Continent.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* 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 13th March, 1898.

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 ...	30·24	3	↗	0	o	30·15	− ·10	12	11	− 4	SSE	2	s	*	o	*	21	−4	—
	Hernösand ...	30·18	22	↗	0	o	29·96	− ·25	28	27	+ 19	S	4	o	*	o	*	28	5	—
	Stockholm ...	30·17	30	↗	0	b	30·05	− ·18	26	25	+ 4	S	2	o	*	b	*	37	19	—
	Wisby	30·18	30	NW	4	b	30·08	− ·17	31	31	— 1	WNW	4	o	*	b	*	34	27	—
	Karlstad ...	30·12	28	NNE	2	s	29·99	− ·24	32	32	+ 9	SSW	2	o	*	s	*	*	*	—
	Bodö	29·77	37	E	4	o	29·70	− ·27	32	29	+ 1	E	4	o	1	o	*	41	28	—
	Christiansund ...	29·76	41	S	2	c	29·78	− ·15	41	36	— 2	SW	3	bc	4	c	*	48	39	—
	Skudesnaes ...	30·01	37	SSE	8	o	29·95	− ·17	36	35	— 3	↗	o	c	3	o	*	40	34	*
	Færder (Christiania Fjord)	30·10	32	S	2	o	29·97	− ·23	34	34	+ 3	SW	4	m	2	o	*	?	31	—
	Skagen (The Scaw)	30·12	33	SSW	2	bc	30·02	− ·19	33	32	+ 2	SW	2	bc	0	bc	*	36	31	—
	Fanö	30·10	34	SE	2	o	30·04	− ·15	32	31	— 1	SE	2	f	*	o	*	36	30	—
BRITISH ISLANDS.	Sumburgh Head	29·77	39	W	4	r	29·69	+ ·01	43	40	— 2	SSW	3	o	4	o,r	*	45	39	029
	Stornoway ...	29·84	41	W	3	c	29·66	− ·04	45	44	+ 5	WSW	5	r	5	bc,c	6·7	45	36	0·15
	Wick	29·82	38	SW	3	bc	29·69	− ·06	46	44	+ 4	SW	3	o	2	bc	*	48	35	—
	Nairn	29·90	41	W	2	bc	29·80	− ·02	45	42	0	WSW	3	c	2	bc	*	49	34	0·05
	Aberdeen ...	29·92	42	W	3	b	29·88	+ ·02	41	38	— 4	SW	3	c	2	b	4·2	51	33	—
	Leith	29·95	45	WNW	3	b	29·95	+ ·01	43	40	— 3	SW	3	c	*	b	*	51	32	0·01
	Shields	29·99	46	SW	1	c	30·04	+ ·01	36	35	+ 3	W	3	bm	2	f,b	*	47	32	—
	Spurn Head ...	30·02	39	SE	3	b	30·05	− ·02	39	37	+ 1	WNW	3	b	3	b	*	48	35	—
	York	30·02	42	SSW	1	o	30·08	− ·02	34	33	+ 1	WNW	1	b	*	b,o	1·6	45	30	—
	Loughborough ...	30·04	41	NW	1	b	30·10	− ·01	34	33	+ 1	WNW	1	bm	*	om,c,bm	*	48	31	—
	Ardrossan ...	29·99	45	WSW	3	bmp	29·96	+ ·06	44	44	— 1	WSW	3	c	2	b, bmp	*	49	41	0·01
	Malin Head ...	30·01	44	W	6	bc	29·94	+ ·02	44	43	0	SSW	6	ogm	4	bc	*	46	41	0·03
	Belmullet ...	30·11	44	NW	4	o	30·08	+ ·07	48	45	+ 3	WSW	5	o	*	b,o	*	48	40	0·02
	Donaghadee ...	30·06	45	WNW	3	b	30·06	+ ·09	37	36	— 7	W	3	b	1	b	*	53	33	—
	Liverpool (Bidston)	30·05	42	NNW	3	o	30·11	+ ·04	40	38	+ 10	W	1	bc	1	o	*	47	30	0·04
	Holyhead ...	30·07	45	NW	1	bc	30·12	+ ·06	44	42	+ 1	W	1	b	1	bc	*	49	39	—
	Parsonstown ...	30·10	47	NW	1	c	30·13	+ ·11	39	38	— 6	SW	1	c	*	c	2·0	50	35	—
	Valencia ...	30·17	47	NNW	2	c	30·18	+ ·11	42	41	— 4	NE	1	og	4	bc,c	4·5	49	37	0·02
	Roche's Point ..	30·13	48	NNW	3	bc	30·18	+ ·11	41	39	— 4	NNW	3	b	3	o,bc	*	50	38	—
	Pembroke (St. Ann's Hd.)	30·07	47	N	3	o	30·14	+ ·07	41	40	+ 4	N	2	b	1	b,o	6·7	50	37	—
	Scilly	30·07	50	NW	3	c	30·14	+ ·09	48	44	+ 3	N	4	c	4	c	5·9	52	43	—
	Prawle Point ...	30·06	41	ENE	1	b	30·12	+ ·05	42	41	+ 5	N	2	c	1	b	*	47	37	0·01
	Jersey (St. Aubin's)	30·04	43	N	3	cm	30·11	+ ·10	37	36	— 6	NNW	2	cm	2	cm	*	45	33	—
	Hurst Castle ...	30·03	43	NNE	1	bm	? 30·08	+ ·04	38	37	+ 1	N	1	ogm	1	cm,bm	*	45	35	—
	Dungeness ...	29·99	40	NE	3	bc	30·07	+ ·07	33	32	+ 6	NNW	2	m	1	bc	*	44	30	—
	North Foreland	30·03	39	N	3	bc	30·07	+ ·05	37	36	— 1	N	2	c	1	c,bc	*	42	35	—
	London (Brixton) ...	30·04	40	NE	2	c	30·09	+ ·04	33	32	— 5	↗	o	ogm	*	og,b	0·0	42	27	—
	Oxford	30·08	34	↗	o	b	30·11	+ ·02	38	37	+ 3	N	1	b	*	c,b,r	*	46	30	0·01
	Cambridge ...	30·06	36	N	1	b	30·10	+ ·02	34	33	— 2	N	1	o	*	o,b	0·1	42	24	—
	Yarmouth ...	30·01	40	NNE	3	c	30·04	− ·01	34	33	— 5	NNW	2	bc	3	bc,c	*	42	29	—
GERMANY & HOLLAND.	Cuxhaven ...	30·05	37	E	2	b	30·00	− ·15	33	33	0	SE	1	b	*	b	*	43	32	—
	Berlin	30·08	40	E	3	b	30·04	− ·12	33	31	+ 1	E	2	b	*	b	*	45	30	—
	Wiesbaden ...	*	*	*	*	*	30·04	+ ·07	34	32	— 3	E	2	b	*	*	*	48	30	—
	Munich... ..	29·92	35	SW	2	b	30·01	+ ·13	30	29	+ 2	W	2	b	*	b	*	43	27	—
	The Helder ...	29·99	39	NE	1	b	30·01	− ·06	38	37	+ 3	N	1	b	?	b	*	41	34	—
BELGIUM.	Brussels ...	*	*	*	*	*	30·08	+ ·11	29	29	— 1	NW	2	f	*	b	*	46	29	—
	Cape Gris Nez ...	?	40	ENE	3	c	?	?	39	36	+ 1	E	1	m	1	c	*	43	34	—
	Paris	29·96	38	NNW	3	b	30·07	+ ·11	33	32	+ 1	NNE	2	o	*	b	*	43	32	—
	Brest	30·05	45	NE	1	b	30·10	+ ·07	43	42	+ 2	NE	1	o	1	b	*	50	37	—
	Lorient	30·02	47	N	4	bc	30·10	+ ·08	39	38	— 2	NNE	2	o	2	bc	*	54	36	—
FRANCE &	Rochefort ...	30·01	42	NNE	4	o	30·06	+ ·07	36	35	— 4	NE	3	c	*	o	*	43	34	—
	Belfort	29·93	38	↗	o	o	30·01	+ ·13	34	33	+ 3	ENE	1	m	*	o	*	40	30	—
	Lyons ...	29·93	38	N	1	r	30·02	+ ·16	36	35	— 2	N	1	c	*	r	*	42	35	—
	Nice	29·89	45	E	2	c	29·95	+ ·10	41	38	0	E	1	c	2	c	*	52	41	—
	Perpignan ...	29·93	45	NW	2	o	29·97	+ ·09	43	40	— 3	SW	1	o	*	o	*	50	34	—
	Biarritz ...	29·96	45	E	2	f	29·97	+ ·08	42	41	— 4	E	3	r	2	f	*	46	39	0·08
PENINSULA.	Corunna ...	30·08	52	N	6	b	30·15	?	47	45	— 3	NE	1	f	3	b	*	54	43	—
	Lisbon	29·97	52	NNW	5	b	30·03	+ ·09	51	47	— 1	N	2	b	*	b	*	61	48	—
	Azores (P. Delgada)	30·47	55	NNW	3	bc	30·40	·00	55	54	+ 1	NNE	3	c	2	bc	*	61	54	0·12

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, 13TH MARCH, 1898

BAROMETER, WIND AND SEA.

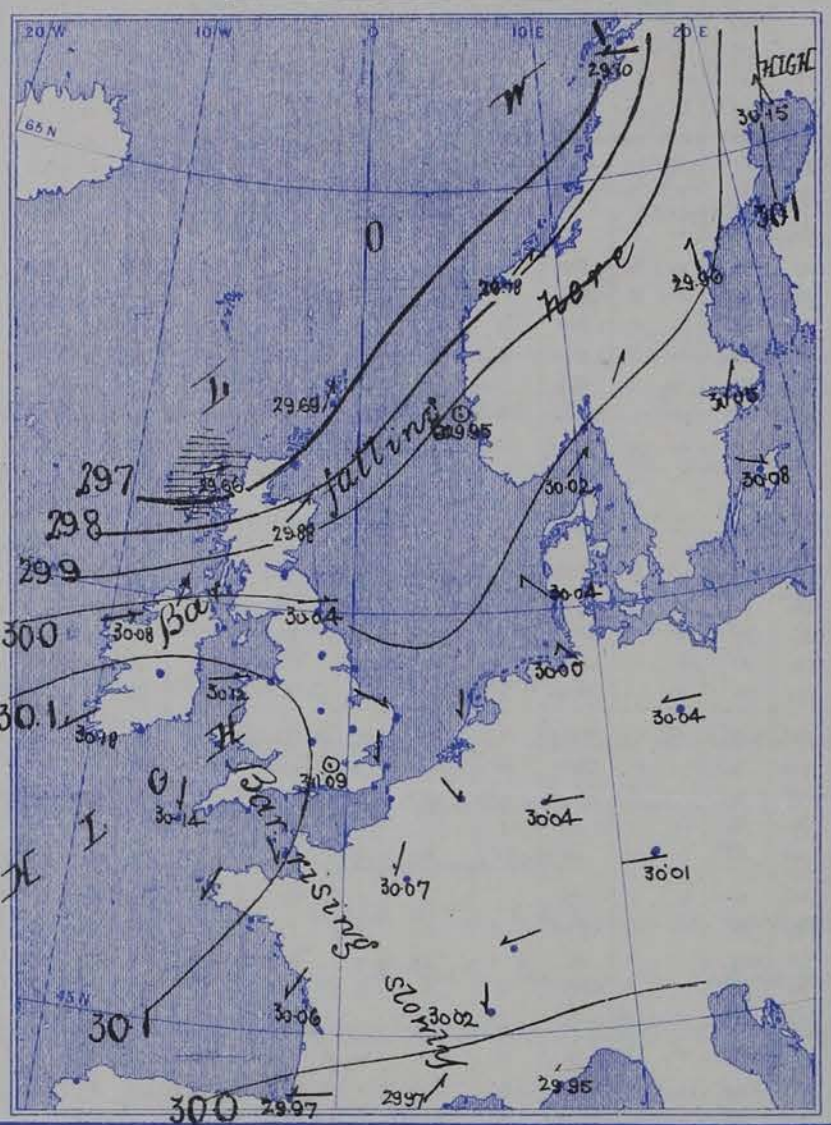
BAROMETER—Isobars are drawn for each tenth of an inch.

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*

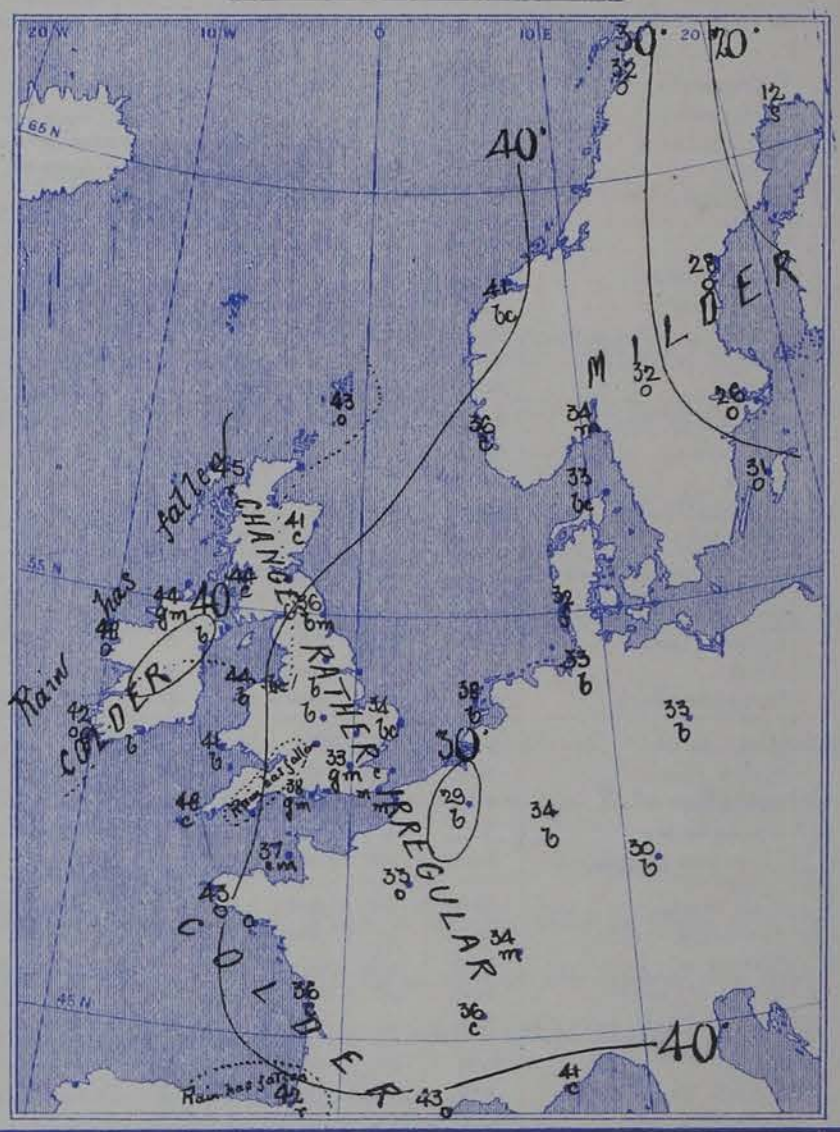


TEMPERATURE & WEATHER.

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: over the Azores, and varying from 30·1 ins: to 30·0 ins: in a very broad band (or col) stretching from the Atlantic across Ireland, England, France, the Netherlands and Germany to Central Russia.

Lowest, (1) Below 29·7 ins: over the extreme north of Scotland, the Shetlands and off the coast of Finmark; (2) Below 30·0 ins: over the Mediterranean and south of France.

Gradient somewhat steep in the extreme north of Scotland and over Finmark.

Barometer falling decidedly over the northern countries, and slightly over England, but rising over France.

TEMPERATURE

Highest, 57° at Lisbon, 48° at Scilly and Belmullet, 46° at Wick, 45° at Stornoway and Nairn, and 41° at Christiansund, as well as at Nice.

Lowest, (1) 12° at Haparanda, 26° at Stockholm, 28° at Hernösand; (2) 29° at Brussels, 30° at Munich, 33° at Paris; (3) 33° in London and at Dungeness.

It has been much lower over England during the night, the minima being 24° at Cambridge, 27° in London, 30° at York and 31° at Loughborough.

At Brussels the minimum was 29°, at Bregenz 30°, and at Paris 32°.

WIND

(1) Very light and anticyclonic over Ireland, England, the north of France, and north Germany; (2) Moderate (but cyclonic) from W. and SW over the northern parts of our Islands and the west of Norway, SE to E^{ly} over Lapland; (3) Very light and variable from the E^{ly} over the southern half of France.

WEATHER

Fair and quiet over the southern half of our area, clear over Germany and the north of England, dull or hazy in many places; cloudy on our north and northwest coasts, with rain at Stornoway.

Rain has fallen in the extreme north of our Islands, and (as slight showers) at some of our northeastern stations. A few flakes of snow were seen in London this morning. A fall of 0·12 in: is reported from the Azores.

Bright Sunshine ranged from 0·1 hr: at Cambridge to 6·7 hrs: at Stornoway and Pembroke; in London there was none

SEA

Moderate in the north and west, slight to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 14TH MARCH 1898

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 ...	30·08	40	38	S	6	o	4
Sumburgh Head	29·68	42	41	W	4	o	4
Stornoway	29·77	45	40	W	5	be	5
Aberdeen	29·86	51	44	SW	4	bcq	3
Shields	29·98	44	42	SSW	3	f	2
Ardrossan	29·95	46	45	WSW	4	b	3
Malin Head ...	29·96	46	42	W	5	be	4
Belmullet	30·07	47	43	WNW	4	b	*
Holyhead	30·04	48	46	WSW	1	ompd	1
Valencia	30·13	48	44	NW	4	be	4
Scilly	30·06	51	47	WNW	2	c	1
Jersey	30·08	45	42	NNW	3	cm	3
Hurst Castle ...	30·03	43	40	NNE	3	cm	2
Dungeness ...	29·98	43	40	NE	4	be	3
North Foreland	30·02	41	38	NE	3	c	3
London (Westminster)	30·03	42	38	NE	2	o	*
Yarmouth ...	30·02	42	39	NE	3	be	3
Rochefort ...	30·02	41	41	N	4	o	*

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

Weather in morning fair and quiet over Russia and Central Europe as a whole, as well as over the greater part of France and England, dull, however, in several places, foggy in the south of Sweden, and hazy over the English Channel and many parts of England, rather rainy in Ireland and at Sumburgh Head. Rain falling later in small quantities at several of our northern and western stations, and at Oxford, but conditions remaining fine over Western and Central Europe, fair, but dull, over Scandinavia.

Temperature in morning highest 56° at Malta, 54° at Algiers, 52° at Lisbon, 50° at Coruna; 46° at Valencia (Ireland) 45° at Scilly, Belmullet, Parsonstown, Nairn, and Sumburgh Head, 43° at Christiansund. Lowest (1) −11° F. at Moscow, −1° at Kharkov, +9° at Nicolaieff & Kutais, and much below the freezing point all over Russia and Finland; (2) 28° at Munich, 30° at Brussels, 32° at Paris; (3) 33° at Shields, York, and Loughborough. Rising later to 51° in the east of Scotland and to 50° in several parts of Ireland and touching 52° at Scilly as well as at Nice. Succeeding night very cold over England.

Winds very variable both in direction and force (1) moderate from between W. and SW. over the northern parts of the British Islands, S. in the west of Norway; (2) light and anticyclonic from between NW. and NE. over the southern part of Ireland and England, the north of France and the Bay of Biscay, and from E. and SE. over the greater part of Russia; strong to moderate from NE. and E. over the northern shores of the Mediterranean. No great change later.

Barometer highest (1) 30·4 ins: in the Azores and exceeding 30·0 ins: over the greater part of Ireland, England, the northwest of France and the Netherlands; (2) Exceeding 30·2 ins: over Sweden, the Baltic, and nearly all the southern half of Russia. Lowest (1) below 29·7 ins: off the extreme north of Scotland; (2) below 29·8 ins: over the Mediterranean; (3) below 30·0 ins: in a shallow depression near St. Petersburg. Rising over our Islands later, falling over Scandinavia.

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, 14th March, 1898.

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	9	SSE	2	b	29·97	-·18	10	10	-2	SE	2	S	*	b	*	12	0	0·08
	Hernösand ...	29·87	27	2	0	f	29·77	-·19	28	27	0	S	2	0	*	f	*	28	19	-
	Stockholm ...	29·68	30	2	0	o	29·53	-·22	32	31	+6	2	0	0	*	o	*	32	19	-
	Wisby	29·96	32	NNW	4	b	29·89	-·19	33	32	+2	W	4	0	*	b	*	36	27	-
	Karlstad ...	29·88	32	SSW	4	f	29·77	-·22	34	33	+2	S	2	0	*	f	*	*	*	-
	Bodö	29·67	30	E	4	b	29·45	-·25	32	28	0	ESE	6	be	2	b	*	32	27	-
	Christiansund ...	29·56	41	S	2	b	29·31	-·47	41	37	0	S	1	bc	4	b	*	46	39	-
	Skudesnaes ...	29·76	40	S	4	o	29·55	-·40	41	40	+5	SSW	4	bc	4	o	*	41	36	*
	Færder (Christiania Fjord)	29·60	36	SW	4	m	29·68	-·29	36	36	+2	SSW	4	r	3	m	*	37	34	-
	Skagen (The Scaw)	29·93	35	NSW	1	o	29·78	-·24	35	34	+2	SW	4	o	1	o	*	37	32	-
	Fanö	29·96	35	W	1	o	29·84	-·20	37	36	+5	SSW	4	o	*	o	*	41	32	-
British Isles	Sumburgh Head	29·31	44	SSW	4	o	29·60	-·09	44	32	-9	N	3	c	4	o	*	44	33	0·11
	Stornoway ...	29·44	42	W	5	c	29·75	+·09	34	33	-11	NNE	3	o	3	p.c.l	2·1	46	32	e. 65
	Wick	29·60	42	NNW	5	c	29·69	·00	33	32	-13	NW	2	c	2	c.sp	*	48	30	0·05
	Nairn	29·55	42	NSW	3	r	29·73	-·07	37	35	-8	WNW	2	bc	2	r	*	50	34	0·11
	Aberdeen ...	29·61	45	SW	5	cqu	29·72	-·16	39	35	-2	W	5	bql	2	c.p	0·1	47	36	0·01
	Leith	29·7[illegible]	46	SW	4	o	29·76	-·19	39	38	-4	NSW	3	cm	*	o	*	50	37	0·05
	Shields	29·86	46	SW	3	o	29·77	-·27	42	40	+6	SW	2	bm	2	o.r	*	50	35	0·01
	Spurn Head ...	29·95	42	W	3	b	29·82	-·23	44	42	+5	W	4	bc	3	b.p	*	50	39	-
	York	29·95	45	NSW	1	b	29·81	-·27	42	40	+8	S	1	b	*	b	1·4	50	34	-
	Loughborough ...	30·01	45	SW	1	c	29·89	-·21	44	42	+10	NSW	1	c	*	bc.o[illegible].c	*	51	34	0·01
	Ardrossan ...	29·72	45	SW	5	r	29·81	-15	42	41	-2	NW	3	b	2	r	*	45	38	0·16
	Malin Head ...	29·73	43	NSW	5	cqhr	29·87	-·07	42	40	-2	NW	6	c	4	c.qrh	*	47	40	0·29
	Belmullet ...	29·85	47	W	4	om	29·99	-·09	42	40	-6	NW	8	bc	*	r.om	*	49	40	0·06
	Donaghadee ...	29·81	47	SW	4	c	29·89	-·17	40	39	+3	NW	5	bc	3	c	*	48	35	0·14
	Liverpool (Bidston)	29·99	44	NSW	3	o	29·88	-·23	43	41	+3	NSW	3	c	3	c.o[illegible]	*	47	40	0·02
	Holyhead ...	29·99	46	SW	3	o	29·92	-·20	44	41	0	NNW	4	bc	3	o	*	49	41	-
	Parsonstown ...	29·95	47	W	1	o	30·00	-·13	41	39	+2	W	1	c	*	o.r	0·2	48	37	0·06
	Valencia ...	30·02	50	SW	3	oqm	30·06	-·12	45	41	+3	N	2	c	4	oqm	0·0	50	40	0·05
	Roche's Point ..	30·04	47	WSW	4	q	30·03	-·15	42	40	+1	NW	2	b	3	q	*	48	40	-
	Pembroke (St. Ann's Hd.)	30·07	46	W	3	o	29·96	-·18	45	43	+4	NNW	3	o	2	b.o	9.4	47	40	0·06
	Scilly	30·13	48	WNW	3	c	29·98	-·16	49	48	+1	NNW	4	op	4	b.c	9.5	50	44	0·08
	Prawle Point ...	30·09	45	SSW	2	c	30·00	-·12	47	46	+5	SW	4	p	3	c	*	50	38	0·01
	Jersey (St. Aubin's)	30·08	46	NNW	2	bm	30·09	-·02	45	44	+8	WSW	2	c	2	c.bm	*	49	37	-
	Hurst Castle ...	30·06	45	SW	2	om	29·99	-·09	46	44	+8	SW	4	o	2	om	*	47	38	-
	Dungeness ...	30·04	41	WSW	3	bc	29·98	-·09	42	41	+9	SW	3	o	2	bc	*	45	32	-
	North Foreland	30·05	42	S	2	bc	29·97	-·10	39	38	+2	SW	3	o	2	b.bc	*	42	36	-
	London (Brixton) ...	30·02	46	WSW	1	bcm	29·97	-·12	42	40	+9	WSW	2	mpq	*	om.p	0·0	50	33	-
	Oxford	30·04	43	WSW	1	c	29·95	-·16	44	42	+6	SW	3	oqr	*	c	*	52	37	-
	Cambridge ...	30·02	43	W	1	b	29·91	-·19	43	42	+9	SW	3	r	*	b	6.8	54	32	-
	Yarmouth ...	30·00	40	SSW	2	c	29·88	-·16	40	39	+6	WSW	3	c	3	c	*	42	33	-
Germany & Holland	Cuxhaven ...	29·97	37	N	1	m	?	?	34	34	+·1	?	1	o	=	m	*	41	32	-
	Berlin	29·97	43	E	0	b	30·01	-·03	37	36	+4	WNW	3	b	*	b	*	48	33	-
	Wiesbaden ...	*	*	*	*	*	30·06	+·02	32	31	-2	N	2	b	*	*	*	52	30	-
	Munich... ..	30·02	38	SSE	2	b	30·06	+·03	33	31	+3	W	2	b	*	b	*	48	30	-
	The Helder ...	30·01	39	WNW	1	o	29·89	-·12	42	41	+4	SW	2	m	2	o	*	43	36	-
Belgium.	Brussels ...	*	*	*	*	*	30·09	+·01	34	34	+5	SSW	1	f	*	b	*	45	29	-
	Cape Gris Nez...	?	41	WSW	1	m	?	?	44	41	+5	W	4	o	3	m	*	46	34	-
	Paris	30·08	42	N	2	bc	30·11	+·04	26	26	-7	SE	1	f	*	bc	*	48	25	-
	Brest	30·11	48	N	1	b	30·10	·00	46	45	+3	WSW	2	bc	2	b	*	50	30	-
	Lorient... ...	30·10	50	N	3	m	30·12	+·02	43	43	+4	W	0	c	2	m	*	55	30	-
France &	Rochefort ...	30·10	46	ENE	3	b	30·17	+·11	36	35	0	NE	2	b	*	b	*	54	34	-
	Belfort	30·04	46	E	2	s	30·12	+·11	38	32	-1	W	1	m	*	s	*	54	29	-
	Lyons	30·07	43	E	1	b	30·12	+·10	37	35	+1	N	1	b	*	b	*	49	34	-
	Nice	29·98	46	W	0	b	30·02	+·07	44	39	+3	E	2	b	1	b	*	55	39	-
	Perpignan ...	30·05	45	SW	3	o	30·07	+·10	43	41	0	W	3	o	*	o	*	48	41	0·08
	Biarritz ...	30·04	43	S	4	o	30·08	+·11	41	37	-1	SSE	3	c	3	o	*	46	39	-
Peninsula.	Corunna ...																*			
	Lisbon	30·04	54	NNW	4	b	30·01	-·02	51	45	0	NNE	4	o	*	b	*	63	48	-
	Azores (P. Delgada)	30·44	55	NNE	4	bc	30·39	-·01	55	50	0	NE	3	c	2	bc	*	61	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.. 7·3..hrs;

WEATHER CHARTS

FOR Monday, 14th March, 1898

BAROMETER, WIND AND SEA.

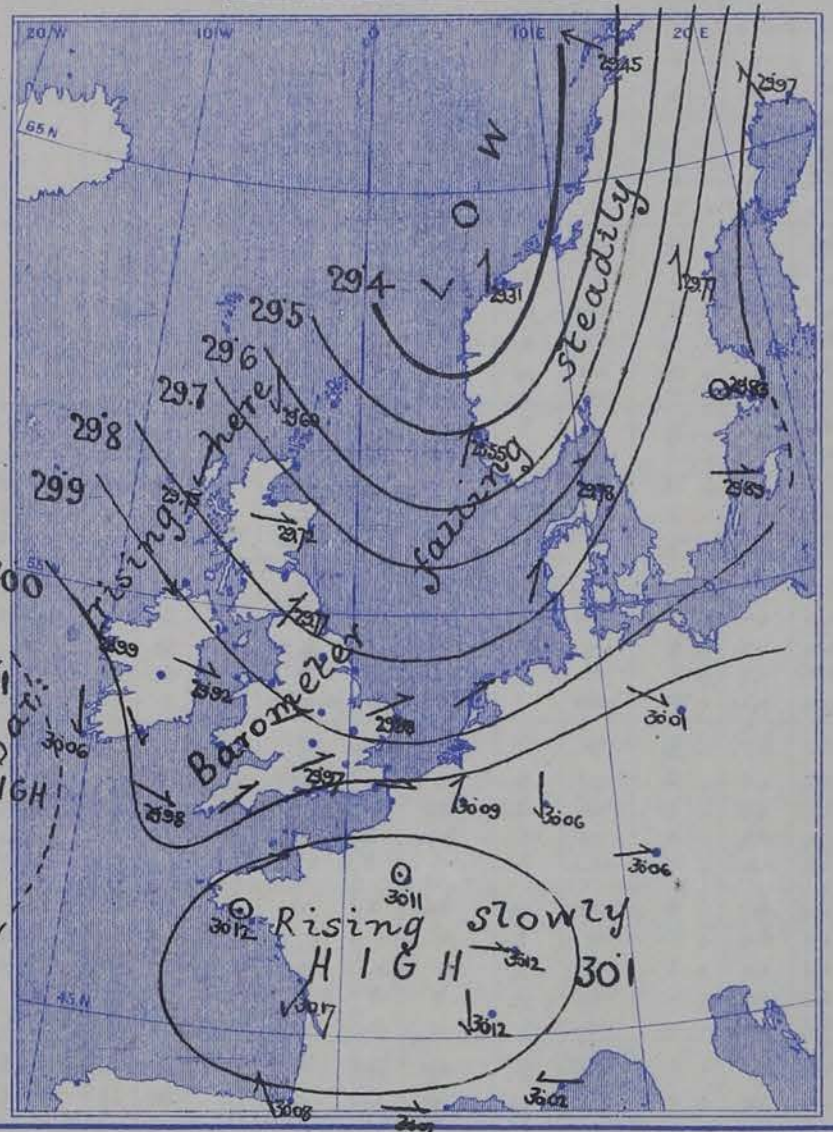
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▤

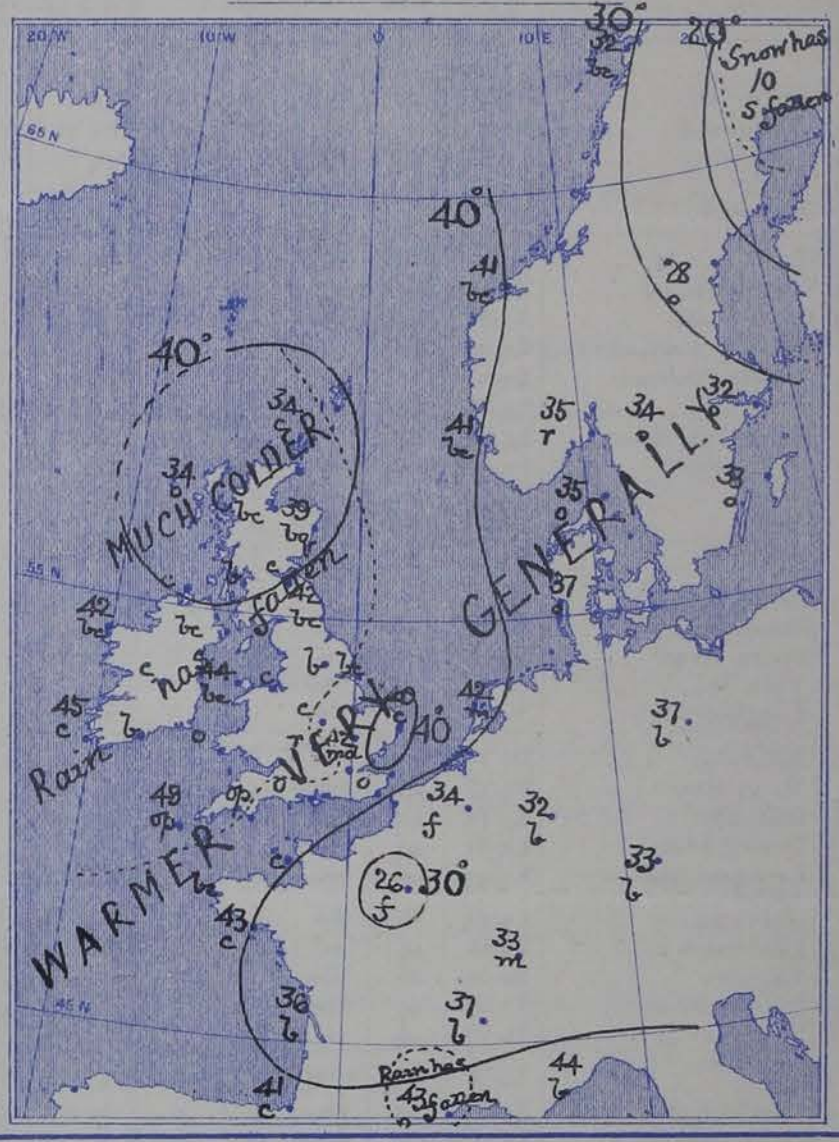


TEMPERATURE & WEATHER.

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, 30·1 in: and more to 30·0 in: over France and the English Channel, and apparently exceeding 30·0 in: over Finland also.
Lowest, about 29·3 in: to 29·4 in: over the extreme west of Norway.
Gradient moderate. Barometer falling at all but our extreme western and northern stations, where a rise has commenced.

TEMPERATURE

Highest, 49° to 42° over the southern parts of our Islands, 46° at Thorshavn.
Lowest, (1) 10° F. at Haparanda, 28° to 34° at the Swedish stations, 26° at Paris, 32° at Wiesbaden; (3) 33° to 39° over the greater part of Scotland, 41° at Aberdeen.
It has fallen very decidedly over Scotland during the night, and less decidedly in the north of Ireland. The maxima recorded during yesterday were as high as 50° at many of our stations, and touched 52° at Oxford.

WIND

Moderate to fresh from W. in Scotland, from NW. in Ireland, but from SW. over the greater part of England.
S. on the eastern shores of the North Sea, SE. over Lapland.
Over France anticyclonic airs prevail.

WEATHER

Changeable generally—fine at the Irish and Scotch stations; dull and rather rainy over the southern parts of England, fine over France, but foggy in Paris.
Rain fell pretty generally during yesterday over our western and northern districts, but in considerable quantity at Stornoway only. Over France & the Channel the weather was very fine.
Bright Sunshine amounted to 9½ hrs at Scilly and Pembroke, 7·4 hrs at York, 6·8 hrs at Cambridge, and to 6·3 hrs at Hastings, in London there was none.

SEA

Moderate off the north and west of Scotland and at Valencia, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The main depression in the north is passing off, while the 'V' shaped secondary over the southwest of England is moving eastwards. Colder NW. to N. winds are likely to spread all over the country during the coming twenty-four hours.

FORECASTS

For the 24 hours ending at NOON on 15TH MARCH 1898

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	NW. winds, fresh to light; slight showers, colder tonight.	6 SCOTLAND WEST 7 ENGLAND N.W. 8 ENGLAND S.W. 9 IRELAND NORTH 10 IRELAND SOUTH	NW. winds, moderate to light; colder.
2 ENGLAND N.E. 3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	SW. winds, moderate; some showers—then NW. winds, finer, colder.	WARNINGS.	At 7·0 pm yesterday to districts 0, 1, 6, 7, 9, and 10 "Hoist South Cone". At 10·15 am today to same districts "Lower Cone".

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.91	41	40	S	4	c	3
Sumburgh Head							
Stornoway ...	29.47	44	43	W	5	p	6
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29.76	47	45	S	6	c	4
Belmullet	29.88	49	46	WSW	5	r	*
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia							
Scilly							
Jersey	30.11	49	45	N	3	c	3
Hurst Castle ...							
Dungeness ...	30.07	43	39	SW	2	bc	1
North Foreland	30.07	41	39	SSE	2	b	1
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30.10	48	45	N	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 THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 6TH TO THE 12TH MARCH.

The weather experienced over our Islands and their neighbourhood during the first day or two of this week, was very changeable as far as the northern and eastern districts were concerned, where rain fell in small quantities, and hail and sleet were observed in some places. After this there was a very general improvement, and until Friday the falls of rain were slight and sporadic, the distribution of pressure was anticyclonic, and though haze was often prevalent a good deal of sunshine was recorded from time to time. Temperature at night was often very low for the time of year – especially over Ireland and England.

Towards the end of the week brisk SW and W breezes were beginning to appear over our northern districts, bringing with them milder and more showery weather, and these showed some tendency to spread southwards to England.

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 15th March, 1898.

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 ...	29·95	15	S	4	o	30·00	+ ·03	16	16	+ 6	S	3	s	*	o	*	16	5	0·08
	Hernösand ...	29·68	33	S	4	o	29·81	+ ·04	32	31	+ 4	SSE	4	s	*	o	*	33	25	0·43
	Stockholm ...	29·80	34	2	o	o	29·73	− ·10	39	33	+ 7	SSE	2	o	*	o	*	39	28	0·04
	Wisby	29·87	33	W	4	o	29·75	− ·14	33	33	0	S	4	s	*	o	*	36	30	0·12
	Karlstad ...	29·63	33	SSW	2	s	29·75	− ·02	33	33	− 1	N	2	o	*	s	*	*	*	0·16
	Bodö	29·49	29	ESE	6	o	29·78	+ ·33	27	26	− 5	E	4	bc	1	o	*	32	27	—
	Christiansund ...	29·73	43	SSW	6	c	29·87	+ ·50	30	29	− 11	S	2	b	5	c	*	43	28	0·24
	Skudesnaes ...	29·82	35	N	2	b	29·87	+ ·32	32	?	− 9	ESE	2	bc	1	c.b	*	43	28	*
	Færder (Christiania Fjord)	29·63	36	2	o	f	29·79	+ ·11	32	28	− 4	N	4	c	3	f	*	37	30	0·04
	Skagen (The Scaw)	29·68	36	SW	1	b	29·82	+ ·04	34	31	− 1	NW	2	b	o	b	*	37	34	0·08
	Fanö	29·84	37	W	4	b	29·95	+ ·11	36	35	− 1	W	3	f	*	b	*	37	36	0·12
British Islands	Sumburgh Head	29·80	33	W	2	bc	29·43	− ·17	38	38	+ 4	S	5	r	5	c.bc	*	40	33	0·05
	Stornoway ...	29·84	39	W	3	bc	29·36	− ·39	46	46	+ 12	WSW	4	o	4	c.bc	4·1	46	34	0·40
	Wick	29·84	38	S	2	bc	29·40	− ·29	42	41	+ 9	S	4	o	3	bc	*	42	30	0·02
	Nairn	29·89	36	2	o	b	29·49	− ·24	42	40	+ 5	W	2	o	2	b	*	45	31	0·01
	Aberdeen ...	29·94	37	NNW	2	b	29·63	− ·09	40	37	+ 1	S	6	ogq	4	bc.b	6·7	43	31	—
	Leith	29·93	42	WSW	1	o	29·67	− ·09	44	40	+ 5	SW	3	bc	*	o	*	52	35	—
	Shields	29·97	42	NNE	1	bc	29·85	+ ·08	38	36	− 4	SSW	2	o	2	csp.bc	*	46	32	—
	Spurn Head ...	29·97	42	N	2	c	29·96	+ ·14	39	36	− 5	SSW	2	c	3	c	*	47	33	—
	York	29·97	44	N	1	c	29·95	+ ·14	30	29	− 12	SSE	1	b	*	b.p.cm	6·3	50	28	0·01
	Loughborough ...	30·02	43	WNW	3	b	30·01	+ ·12	31	30	− 13	ESE	1	bcm	*	c.bc.bm	*	52	26	—
	Ardrossan ...	29·96	42	W	2	o	29·66	− ·15	44	44	+ 2	S	5	rm	4	b.o	*	46	40	0·01
	Malin Head ...	29·96	42	W	4	bc	29·55	− ·32	44	44	+ 2	S	6	orm	3	b.bc	*	44	39	0·03
	Belmullet ...	30·00	45	WSW	3	c	29·72	− ·27	49	47	+ 7	? W	4	o	*	b.c	*	50	40	0·21
	Donaghadee ...	30·03	43	WNW	3	b	29·75	− ·14	42	41	+ 2	SW	6	r	4	b	*	46	35	0·04
	Liverpool (Bidston)	30·03	41	NW	1	b	29·92	+ ·04	39	36	− 4	S	2	o	2	b	*	47	35	—
	Holyhead ...	30·06	43	W	1	c	29·88	− ·04	46	43	+ 2	SW	5	ow	4	b.c	*	46	40	—
	Parsonstown ...	30·05	46	W	1	c	29·80	− ·20	48	46	+ 7	SW	1	op	*	c	4·6	49	36	—
	Valencia ...	30·09	47	2	o	c	29·86	− ·20	51	50	+ 6	SW	5	rmg	5	bc.c	6·1	51	42	0·03
	Roche's Point ..	30·08	47	NW	3	b	29·93	− ·10	49	48	+ 7	SW	4	o	3	b	*	49	40	—
	Pembroke (St. Ann's Hd.)	30·08	42	N	3	b	29·99	+ ·03	47	45	+ 2	WSW	4	og	4	b	8·3	48	40	—
	Scilly	30·09	47	NNW	3	bc	30·06	+ ·08	47	44	− 2	WSW	4	c	3	c.bc	5·9	51	42	—
	Prawle Point ...	30·07	46	NNW	2	b	30·08	+ ·08	44	41	− 3	NNW	1	b	1	p.bc	*	52	35	0·15
	Jersey (St. Aubin's)	30·06	47	W	3	ogmp	30·10	+ ·01	43	42	− 2	WNW	2	bm	2	gmp.b	*	49	36	0·03
	Hurst Castle ...	30·01	45	SSW	2	o	30·07	+ ·08	37	36	− 9	WNW	1	bm	2	p.o	*	46	34	0·02
	Dungeness ...	29·99	44	SW	3	r	30·04	+ ·06	37	35	− 5	NNW	1	m	1	c.r	*	46	35	0·02
	North Foreland	29·97	45	W	3	c	30·08	+ ·11	36	35	− 3	W	2	bc	2	c	*	48	33	—
	London (Brixton) ...	30·00	48	NW	1	bc	30·07	+ ·10	35	32	− 7	WSW	1	bf	*	odp.o.b	0·0	49	28	0·03
	Oxford	30·07	40	NNW	2	bc	30·07	+ ·12	32	31	− 12	SSW	1	bf	*	r.bc	*	53	28	0·01
	Cambridge ...	30·00	45	NW	1	b	30·06	+ ·15	30	30	− 13	WNW	1	b	*	p.b	2·9	53	26	0·01
	Yarmouth ...	29·92	45	NNW	1	c	30·01	+ ·13	32	31	− 8	W	3	bef	3	cm.efg	*	47	27	—
Germany & Holland	Cuxhaven ...	29·86	41	SW	3	o	29·99	?	35	35	+ 1	W	2	c	*	o	*	43	34	—
	Berlin	29·97	39	SW	2	o	30·00	− ·01	41	39	+ 4	W	3	o	*	o	*	41	37	—
	Wiesbaden ...	*	*	*	*	*	30·11	+ ·05	42	39	+ 10	SW	1	o	*	*	*	52	32	—
	Munich... ..	30·07	41	SW	1	b	30·15	+ ·09	37	35	+ 4	W	3	o	*	o	*	41	33	—
	The Helder ...	29·95	44	WSW	1	bc	30·02	+ ·13	35	35	− 7	2	o	f	1	bc	*	43	32	0·04
Belgium. France &	Brussels ...	*	*	*	*	*	30·08	− ·01	41	41	+ 7	SW	1	f	*	o	*	47	33	0·04
	Cape Gris Nez...	?	44	W	3	r	?	?	41	40	− 3	E	1	m	1	r	*	46	37	0·16
	Paris	30·11	48	W	2	o	30·12	+ ·01	41	39	+ 15	S	2	o	*	o	*	55	26	—
	Brest	30·02	48	NW	1	o	30·15	+ ·05	41	40	− 5	ENE	1	bc	1	o	*	50	39	—
	Lorient... ...	30·10	50	WSW	4	o	30·13	+ ·01	41	41	− 2	N	2	b	2	o	*	54	36	—
	Rochefort ...	30·14	49	NW	2	o	30·17	·00	45	44	+ 9	SSW	2	o	*	b	*	57	36	—
	Belfort	30·06	48	W	3	m	30·17	+ ·05	35	33	+ 2	W	1	m	*	m	*	56	33	—
	Lyons	30·11	49	N	1	b	30·18	+ ·06	40	37	+ 3	NNW	1	b	*	b	*	55	37	—
	Nice	30·06	48	S	1	bc	30·08	+ ·06	46	42	+ 2	2	o	b	1	bc	*	57	41	—
	Perpignan ...	30·10	49	W	3	b	30·16	+ ·09	45	41	+ 2	SW	2	b	*	b	*	53	43	—
	Biarritz ...	30·13	50	WSW	3	b	30·15	+ ·07	42	40	+ 1	SW	2	b	3	b	*	54	41	—
Peninsula.	Corunna ...																*			
	Lisbon	30·12	53	N	5	b	30·15	+ ·14	49	45	− 2	NNE	4	b	*	b	*	63	46	—
	Azores (P. Delgada)	30·41	55	NE	1	o	30·36	− ·03	54	50	− 1	NNE	2	o	2	o	*	61	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 9·1 hrs;

WEATHER CHARTS

FOR Tuesday, 15th March, 1898

BAROMETER, WIND AND SEA.

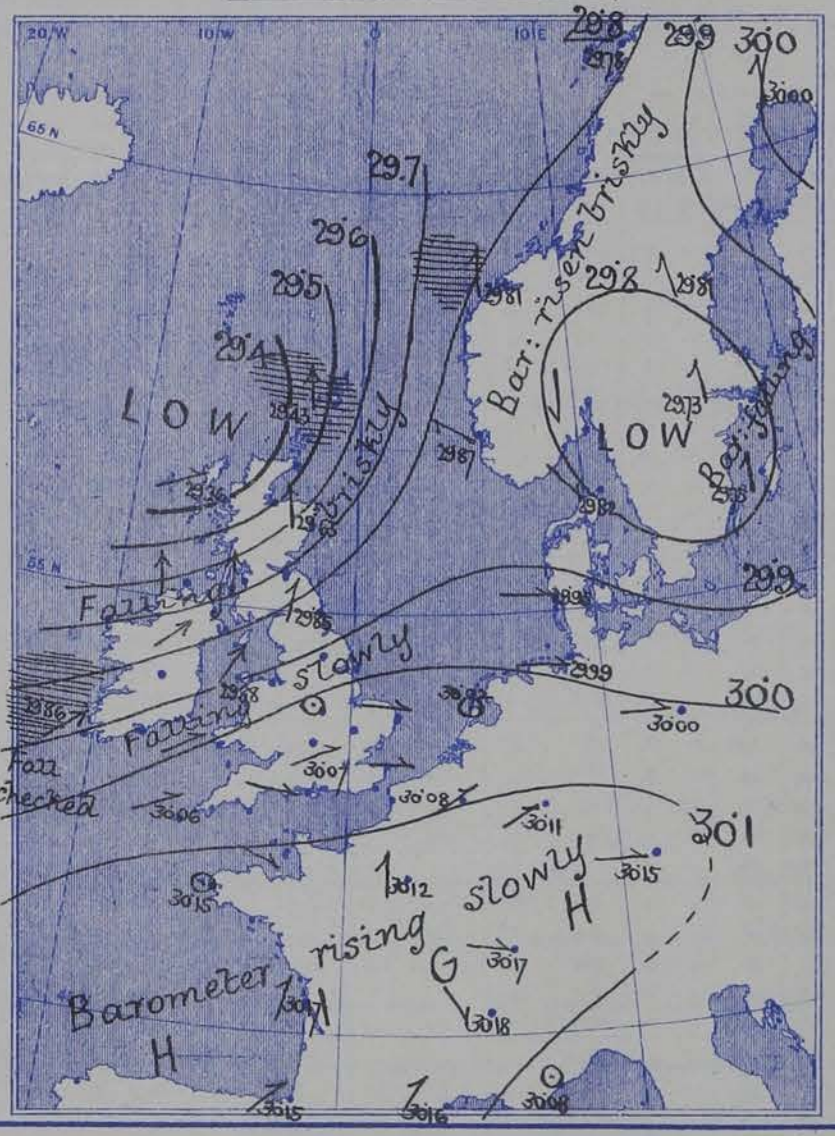
BAROMETER—Isobars are drawn for each tenth of an inch.

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

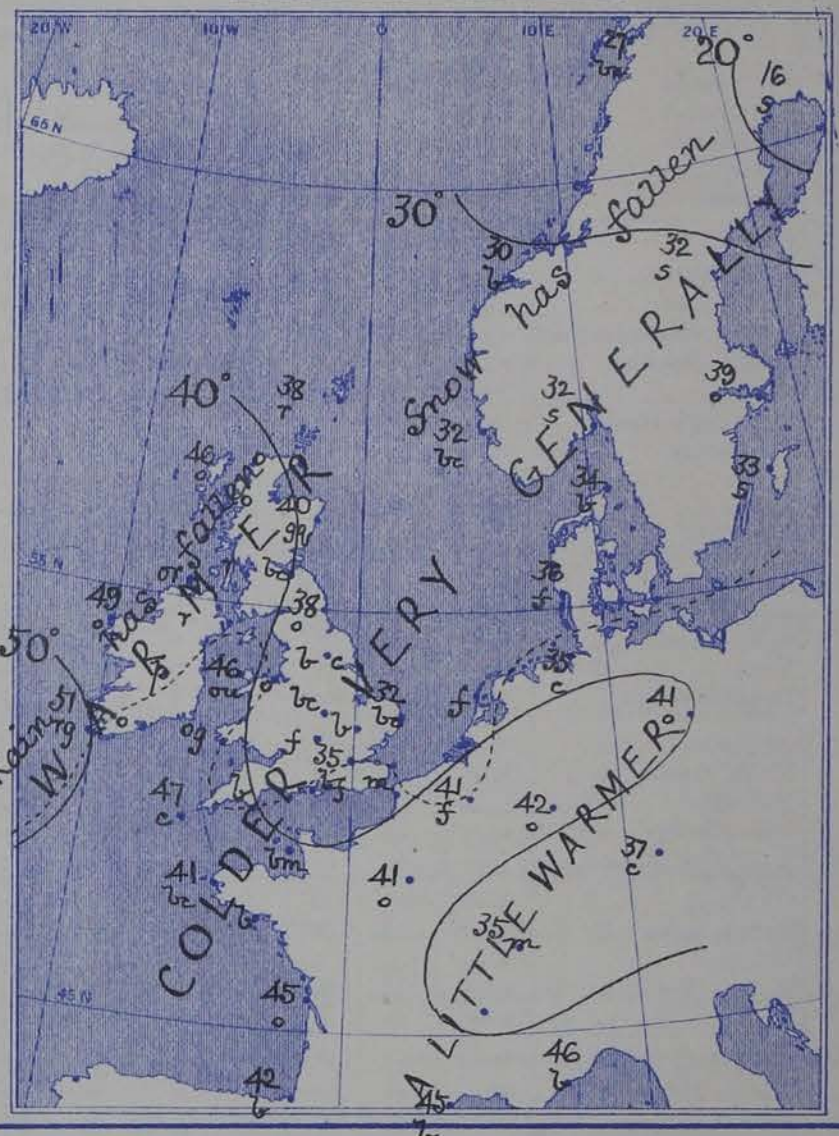


TEMPERATURE & WEATHER.

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 30.1 ins. and more to 30.0 ins. over Spain, France and the south of our Islands.
Lowest Below 29.4 ins. over the extreme N. of Scotland and the Hebrides.
Gradients steep over the N^rn. parts of our Islands, moderate over Ireland, slight over England, very slight over France.
Barometer falling fast over Scotland and the N. of Ireland, slowly over England, rising over France. At Valencia the fall was checked.

TEMPERATURE

Highest 51° at Valencia (Ireland), 49° at Belmullet and Roche's Pt^e., 46° at Stornoway.
Lowest (1) 16° at Haparanda, 27° at Berlin; 30° to 32° over the Midland counties of England.
It had risen fast over the W^rn. and N^rn. parts of our Islands, fallen fast over the greater part of England — where a very sharp frost occurred early this morning. The minima recorded on the grass were as low as 18° at Loughborough, 20° at Oxford and in London.

WIND

S^ly. and SW^ly., fresh to strong, over the western and northern parts of the British Islands, W^ly. and light in the south and east; very light and antigyclonic over France, SE^ly. in Norway.

WEATHER

Fair over France and Germany, but dull at many stations; very fine and bright over the eastern, midland and southern parts of England, dull and rainy over Ireland and Scotland. Rain has fallen over our Islands and the E^rn. shores of the North Sea; our NE^rn. counties, however, excepted. The amounts of Bright Sunshine recorded yesterday were greatest (8 to 6 hrs) at our W^rn. and N^rn. stations; over our SE^rn. counties there was none.

SEA

Rather rough again in the extreme N. and W. of our Islands, moderate (but rising) at Holyhead, smooth off Dover.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

In the rear of yesterday's secondary depression the sky cleared, and temperature fell rapidly. As the new, and larger, depression advances mild SW^ly. winds are again spreading over us from the Atlantic, and will probably cover the whole of England during the coming 24 hours, with rainy weather.

FORECASTS

For the 24 hours ending at NOON on 16^TH. MARCH 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S^ly. to W^ly. winds, strong; squally, rainy, changeable.
1	SCOTLAND EAST	SW^ly. winds, freshening; fair to showery.
2	ENGLAND N.E.	
3	ENGLAND EAST	SW^ly. breezes, light, mild, fine today, rain in night or morning.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

DISTRICTS.		FORECASTS.
6	SCOTLAND WEST	Same as No. 0
7	ENGLAND N.W.	SW^ly. breezes, fresh or strong; mild showery.
8	ENGLAND S.W.	
9	IRELAND NORTH	Same as No. 0
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 ...	29.68	42	38	NNW	6	c	3
Sumburgh Head	29.75	36	35	WNW	3	c	4
Stornoway	29.84	42	38	S	3	c	4
Aberdeen	29.88	41	36	N	2	bc	3
Shields	29.90	45	42	NNE	3	csp	2
Ardrossan	29.93	46	43	WNW	4	b	3
Malin Head ...	29.96	43	39	NW	4	b	3
Belmullet	30.07	47	42	NW	2	b	*
Holyhead	30.03	46	40	NW	3	b	2
Valencia	30.10	49	44	WNW	2	bc	4
Scilly	30.05	49	46	SW	4	c	3
Jersey	30.07	49	46	SW	3	o	3
Hurst Castle ...	29.99	45	45	SW	2	o	2
Dungeness ...	? 29.97	45	44	SW	4	c	3
North Foreland	29.96	47	46	SW	5	r	3
London (Westminster)	29.96	49	45	WSW	2	o	*
Yarmouth ...	? 29.89	47	45	W	3	c	3
Rochefort ...	30.17	57	54	NE	1	b	*

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

Weather in morning fair and very quiet over southern and central Europe, very fine in the southeast, but foggy or dull in several places, fine over Ireland, Scotland and Norway, showery over England; snow at several of the Russian stations. Rain ceasing over England later, but spreading to the Netherlands; a fresh gale setting in over the extreme W.rn districts towards night.

Temperature risen over England and central Europe, fallen fast in Scotland. Morning readings highest 55° at Malta and Palermo, 51° at Lisbon; 49° at Scilly, 45° at Jersey and Valencia. Lowest (1) -4° at Archangel, + 8° at Kharkow, 10° at Moscow and Ulearborg, 20° at Hernanstadt - much below the freezing point over Russia, N.rn and SE.rn Europe generally; (2) 26° at Paris, 28° at Le Mans and Limoges. Rising later to between 50° and 53° in many parts of our Islands and to between 55° and 57° in the S and SW of France

Wind (1) very light and mainly anticyclonic over all the S.rn half of Europe and over Russia; (2) cyclonic, moderate to strong, from between N. and W. over Scotland and Ireland, but moderate from between S. and SW. over the greater part of England and the eastern shores of the North Sea, SE.ly over Lapland. Shifting to NW., light, over England later, but showing some tendency to back again in the west of Ireland.

Barometer highest 30.1 ins. and more to 30.0 ins. all over the S.rn half of Europe and 30.2 ins. to 30.0 ins over the N.rn parts of Russia. Lowest below 29.4 ins. in a depression off the NW. coast of Norway; below 29.9 ins. in a very small one near Memel; and below 30.0 ins. in a 'V' shaped system over Wales, Cornwall and Devon. The N.rn system and the 'V' passing away later; but barometer showing a tendency to fall again on our extreme W.rn 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.

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 Wednesday, 16th March, 1898.

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 ...	30·13	16	SSE	4	S	30·11	+·11	8	6	−8	S	2	b	*	s	*	21	8	0·04
	Hernösand ...	29·92	28	S	4	S	29·88	+·07	28	25	−4	S	2	0	*	s	*	32	27	0·24
	Stockholm ...	29·87	32	ESE	2	S	29·84	+·11	31	30	−8	E	2	0	*	s	*	39	30	0·08
	Wisby	29·85	34	WNW	4	0	29·84	+·09	34	33	+1	SE	4	f	*	c	*	36	30	0·04
	Karlstad ...	29·84	34	SE	2	0	29·77	+·02	32	30	−1	SSE	2	0	*	0	*	*	*	—
	Bodö	29·75	31	E	2	b	29·51	−·27	33	31	+6	ESE	6	0	2	b	*	33	25	—
	Christiansund ...	29·44	38	SSE	5	0	29·44	−·37	38	38	+8	W	6	s	4	0	*	38	30	—
	Skudesnaes ...	29·63	39	S	8	r	29·58	−·29	40	39	+8	WSW	2	c	4	0,r	*	41	32	*
	Færder (Christiania Fjord)	29·82	33	SW	2	b	29·64	−·15	34	34	+2	SSE	5	r	3	b	*	36	32	0·04
	Skagen (The Scaw)	29·89	35	W	2	b	29·68	−·14	34	34	0	SSW	4	s	1	b	*	30	32	0·08
	Fanö	29·87	37	SW	4	b	29·70	−·25	39	39	+3	SW	4	r	*	b	*	43	36	—
	Sumburgh Head	29·26	44	WSW	4	c	29·49	+·06	41	39	+3	W	2	c	4	c	*	46	35	0·20
	Stornoway ...	29·43	44	W	4	bc	29·56	+·20	47	46	+1	W	4	0	4	0,bc	2·1	48	38	0·05
	Wick	29·41	42	W	3	bc	29·54	+·14	44	43	+2	W	4	c	2	bc	*	48	35	0·02
	Nairn	29·48	45	WSW	2	r	29·64	+·15	45	42	+3	SW	2	c	2	r	*	54	38	0·06
	Aberdeen ...	29·49	47	SSW	2	bc	29·69	+·06	45	41	+5	S	2	bc	1	cq,0,bc	0·4	48	38	—
British Islands.	Leith	29·57	46	W	2	0	29·78	+·11	45	42	+1	WSW	3	0	*	0	*	52	40	—
	Shields	29·65	50	SW	3	0	29·84	−·01	43	41	+5	SW	3	c	2	0,c	*	50	37	—
	Spurn Head ...	29·77	44	SSW	5	r	29·88	−·08	44	43	+5	W	4	c	3	0,r	*	50	30	0·04
	York	29·75	48	S	2	0	29·88	−·07	44	42	+4	W	1	b	*	0	0·0	48	30	—
	Loughborough ...	29·85	47	SW	4	c	29·94	−·07	47	46	+16	W	2	cmw	*	bc.c.o	*	52	31	—
	Ardrossan ...	29·61	47	WSW	3	c	29·82	+·16	46	46	+2	SW	4	0	3	0.c	*	48	43	0·06
	Malin Head ...	29·66	46	WSW	5	cp	29·82	+·27	46	46	+2	SW	5	0	3	c.cp	*	48	44	0·07
	Belmullet ...	29·79	49	W	4	0	29·95	+·23	49	47	0	WSW	4	0	*	.0	*	51	45	—
	Donaghadee ...	29·71	50	WSW	4	c	29·91	+·16	44	43	+2	WSW	3	c	1	c	*	52	39	0·09
	Liverpool (Bidston)	29·78	47	SW	4	0	29·94	+·02	45	43	+6	WSW	3	c	3	cp	*	49	38	0·05
	Holyhead ...	29·79	48	SW	3	0	29·98	+·10	46	45	0	W	3	0	2	0 q m, 0	*	48	44	0·21
	Parsonstown ...	29·82	49	W	1	0	30·00	+·20	47	45	−1	W	1	0	*	0,2	0·9	54	45	0·01
	Valencia ...	29·92	51	WSW	2	0 q	30·07	+·21	50	47	−1	W	2	0	3	0,0 q	0·8	53	46	0·02
	Roche's Point ..	29·89	52	WNW	4	bc	30·05	+·12	48	46	−1	NW	3	c	3	bc	*	55	46	0·04
	Pembroke (St. Ann's Hd.)	29·89	50	SW	5	0	30·02	+·03	48	47	+1	NW	4	0	4	0	0·0	48	46	0·09
	Scilly	29·98	51	WSW	5	m	30·05	−·01	50	50	+3	W	3	f	4	c.m	2·4	54	44	0·05
	Prawle Point ...	30·02	47	SW	5	c	30·06	−·02	49	48	+5	WSW	3	bc	2	c.rm	*	50	43	0·02
	Jersey (St. Aubin's)	30·08	48	WSW	3	bc	30·08	−·02	50	50	+7	W	4	orm	3	b,c,f	*	51	42	0·04
	Hurst Castle ...	30·00	46	SW	4	cm	30·01	−·06	47	46	+10	WSW	2	c	2	bcm,p	*	50	36	—
	Dungeness ...	29·98	44	SSW	3	bc	29·96	−·08	45	45	+8	SW	3	0	2	m.bc.f	*	51	37	0·03
	North Foreland	29·98	46	SW	2	bc	29·96	−·12	48	47	+12	W	3	c	2	b,bc	*	50	36	0·03
	London (Brixton) ...	29·95	47	SSW	3	c	30·00	−·07	47	46	+12	SW	2	0	*	b,c,oap	4·9	54	39	0·01
	Oxford	29·92	46	SSW	4	0	29·99	−·08	43	43	+11	WSW	1	c	*	bc.sf	*	53	32	—
	Cambridge ...	29·90	48	SW	3	0	29·95	−·11	46	45	+16	W	2	b	*	b,0	8·2	54	29	—
	Yarmouth ...	29·89	47	SSW	3	bc	29·89	−·12	46	45	+14	W	3	bm	3	bc	*	48	30	—
Germany & Holland.	Cuxhaven ...	29·97	39	WNW	1	b	29·81	−·18	39	39	+4	SW	4	r	*	b	*	45	34	0·04
	Berlin	30·02	42	SW	2	c	29·93	−·07	38	37	−3	WSW	2	0	*	c	*	46	36	—
	Wiesbaden ...	*	*	*	*	*	30·04	−·07	42	40	0	SW	1	0	*	*	*	48	41	—
	Munich... ...	30·13	40	E	0	bc	30·12	−·03	40	37	+3	W	5	0	*	bc	*	48	36	—
	The Helder ...	29·93	40	SW	2	0	29·84	−·18	43	42	+8	W	2	c	2	0	*	46	35	0·04
France & Belgium.	Brussels ...	*	*	*	*	*	29·99	−·09	40	40	−1	SW	4	r	*	b	*	47	37	0·12
	Cape Gris Nez...	?	45	SW	3	0	?	?	45	45	+4	W	2	f	2	0	*	48	37	0·08
	Paris	30·10	46	WSW	2	0	30·11	−·01	39	37	−2	S	2	r	*	0	*	52	36	0·04
	Brest	30·10	50	WSW	2	0	30·10	−·05	50	50	+9	WSW	3	f	3	0	*	52	41	-
	Lorient... ...	30·14	48	NW	4	c	30·16	+·03	50	50	+9	W	3	f	4	c	*	55	41	-
	Rochefort ...	30·20	51	WNW	3	c	30·24	+·07	45	44	0	WNW	2	bc	*	c	*	57	43	-
	Belfort	30·11	44	W	4	bc	30·15	−·02	37	36	+2	W	1	m	*	bc	*	52	34	—
	Lyons	30·15	48	N	1	b	30·24	+·06	39	39	−1	SW	1	r	*	b	*	56	38	0·01
	Nice	30·08	48	E	0	b	30·11	+·03	43	40	−3	E	1	b	1	b	*	57	41	-
	Perpignan ...	30·15	54	NE	2	b	30·22	+·06	46	41	+1	SW	2	b	*	b	*	60	39	-
	Biarritz ...	30·13	51	N	3	b	30·23	+·08	45	43	+3	S	2	0	2	b	*	54	42	-
Penin-sula.	Corunna ...																*			
	Lisbon	30·12	53	N	4	b	30·15	·00	51	44	+2	NNE	4	b	*	b	*	63	46	-
	Azores (P. Delgada)	30·37	54	NNE	3	b	30·34	−·02	53	48	−1	NNE	3	c	2	b	*	61	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... 0·0 hrs;

WEATHER CHARTS

FOR Wednesday, 16th March, 1898

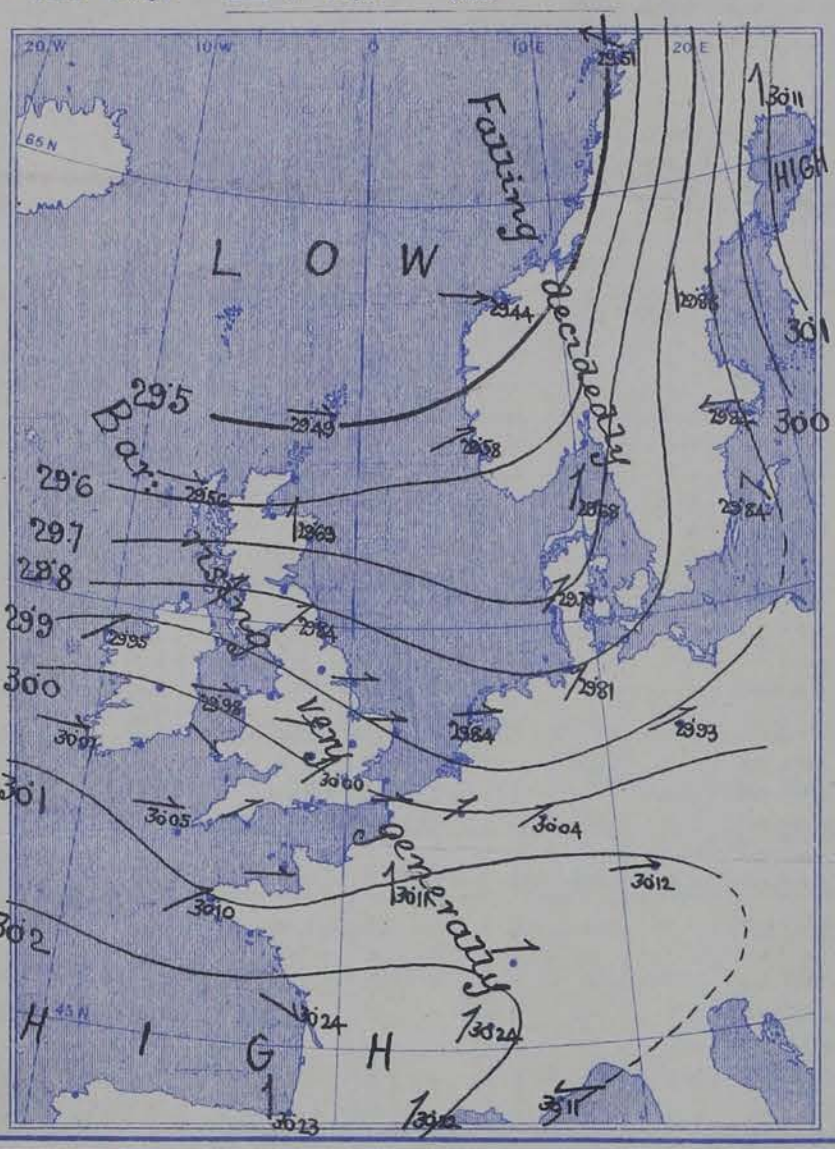
BAROMETER, WIND AND SEA.

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

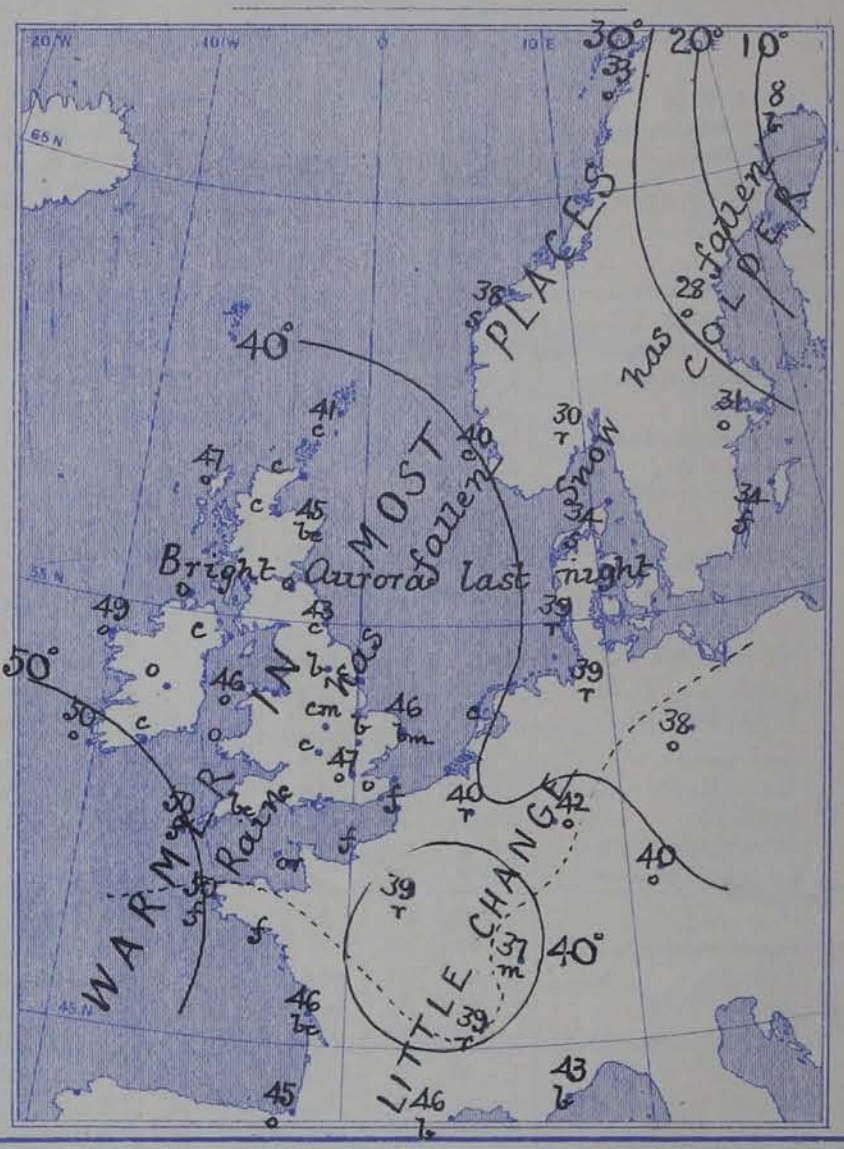


TEMPERATURE & WEATHER.

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, 30·2 ins: and more to 30·0 ins: over Spain, France, and the southwestern parts of our Islands; 30·1 ins: at Haparanda.
Lowest, Below 29·5 ins: over the Shetland Islands and the northwest of Norway.
Gradients slight over the southern districts, moderate in the north.
Barometer rising over the greater part of our Islands, falling decidedly in Norway.

TEMPERATURE

Highest, 50° at Jersey, Scilly, and Valencia (Ireland), 49° at Hawke Point and Belmullet, 47° at Stornoway.
Lowest, (1) 8° F. at Haparanda, 28° at Kuusamo; (2) 37° to 39° over Central France, 38° at Berlin.
It rose during yesterday to between 53° and 55° at many of our southern and southeastern stations, to 52° at Leith, and touched 54° even at Nairn locally.

WIND

NW$^{\frac{2}{4}}$ to SW$^{\frac{2}{4}}$ in direction and moderate to light in force over the British Islands, the north of France and the Netherlands; S$^{\frac{1}{4}}$ to SE$^{\frac{1}{4}}$ over Sweden and Lapland.

WEATHER

Fine in many parts of our Islands and France, but dull in many localities, and raining at Brussels, Paris, and Lyons.
Slight rain has fallen in almost all districts and the general appearance is still rather showerlike.
Bright Sunshine recorded yesterday was greatest at the southeastern and eastern stations, viz 8·2 hrs: at Cambridge, 7·8 hrs: at Eastbourne, 7·6 hrs: at Hastings, 6·4 hrs: at Brighton, and 4·9 hrs: in London. In the north and west there was very little – at several stations none.
Brilliant Aurora was seen last night all over the northern half of the Kingdom, and in Denmark.

SEA

Moderate in the southwest and at our most northern stations, slight to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

No decided change is indicated at present.

FORECASTS

For the 24 hours ending at NOON on 17th MARCH 1898

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW$^{\frac{2}{4}}$ winds, freshening; some rain.
1 SCOTLAND EAST	W$^{\frac{2}{4}}$ and SW$^{\frac{2}{4}}$ breezes, light; fair to showery.
2 ENGLAND N.E.	
3 ENGLAND EAST	NW$^{\frac{2}{4}}$ winds, light, fair; then SW$^{\frac{2}{4}}$ mild, some showers.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Wind backing to SW. again, with mild weather and rain at times.
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 ...	29·77	38	35	SSE	1	0	4
Sumburgh Head	29·27	44	43	SW	4	0	5
Stornoway	29·37	48	47	W	4	c	4
Aberdeen	29·49	47	44	SSW	4	cq	4
Shields	29·68	48	44	SSW	4	0	2
Ardrossan	29·60	48	47	WSW	4	0	4
Malin Head ...	29·59	48	47	SSW	6	c	3
Belmullet	29·74	51	49	W	4	0	*
Holyhead	29·78	48	47	SW	1	ogm	6

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29·88	62	60	WSW	3	0	5
Scilly	30·01	54	51	SW	4	c	4
Jersey	30·10	50	45	W	3	b	3
Hurst Castle ...	30·04	49	46	SW	3	bcm	2
Dungeness ...	30·00	47	44	SW	3	m	2
North Foreland	30·00	49	43	E	2	b	2
London (Westminster)	29·99	54	44	SW	3	b	*
Yarmouth ...	29·98	47	41	WSW	4	bc	3
Rochefort ...	30·20	55	52	W	3	c	*

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

Weather in morning fine and bright over many parts of the southwestern, southern and southeastern countries of Europe, but dull in places, fair also over England and Norway, foggy in the Netherlands, rather rainy over Ireland. Some rain falling later over the greater part of the United Kingdom and the north of France, snow in Sweden and Denmark. Bright Aurora seen over the northern half of the British Isles and at the Scaw.

Temperature rising in the west of our Islands and over France and Germany, fallen over England. Morning readings highest 66° at Palermo, and above 50° at many of the Mediterranean stations; (2) 51° at Valencia (Ireland), 46° at Stornoway. Lowest (1) - 1° at Haparanda, +6° at Moscow and Archangel, and below the freezing point over Russia, Finland, and Lapland generally; (2) 30° at York and Cambridge, 31° at Loughborough, 32° at Oxford. Rising later to between 50° and 55° over many parts of the United Kingdom, touching 57° at Rochefort and Nice, and 60° at Perpignan. Succeeding night mild over the British Islands generally.

Wind very light and variable over Continental Europe, light from between W. and S. over England, strong from SW. and S. over Ireland and Scotland. Varying greatly later from between SW. and W. over our Islands, and moderating in force at the Irish and Scotch stations.

Barometer (1) highest 30·2 ins. and more to 30·0 ins. over all the southern half of Europe; (2) 30·3 ins. and more to 30·0 ins. over Iceland and the north and east of Russia. Lowest 29·4 ins. over the Hebrides and north of Scotland and the neighbouring parts of the Atlantic; below 29·8 ins. over the southern half of Sweden, and below 29·9 ins. over Eastern Prussia and the Baltic Provinces. Falling over Great Britain and Norway, but rising somewhat over Ireland and the west 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.

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, 17th March, 1898.

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 ...	30·13	12	SE	2	b	30·17	+·06	10	10	+ 2	S	2	S	#	b	#	18	5	-
	Hernösand ...	29·91	27	S	2	S	29·89	+·01	28	28	0	SSE	4	S	#	S	#	30	25	0·24
	Stockholm ...	29·86	32	SE	2	S	29·87	+·03	34	32	+ 3	SE	2	O	#	S	#	34	28	0·04
	Wisby	29·60	33	SE	4	O	29·88	+·04	33	32	- 1	SE	4	O	#	O	#	34	32	0·04
	Karlstad ...	29·76	33	E	2	O	29·75	-·02	33	32	+ 1	ESE	2	O	#	S.O.S	#	#	#	0·08
	Bodö	29·62	32	ESE	6	O	29·59	+·08	30	26	- 3	SE	7	b	2	O	#	33	27	-
	Christiansund ...	29·48	38	WSW	3	bc	29·36	-·08	41	40	+ 3	SW	2	c	4	bc	#	41	36	0·04
	Skudesnaes ...	29·62	41	S	6	f	29·59	+·01	43	43	+ 3	S	5	r f	3	b f	#	45	39	#
	Færder (Christiania Fjord)	29·71	34	NE	1	O	29·68	+·04	34	34	O	E	2	c	2	O	#	34	34	0·04
	Skagen (The Scaw)	29·73	37	NNW	1	c	29·71	+·03	40	40	+ 6	WNW	1	c r	O	c	#	41	34	0·12
	Fanö	29·82	39	W	4	b	29·82	+·12	41	40	+ 2	W	4	c	#	b	#	45	39	0·16
	Sumburgh Head	29·43	46	W	5	c	29·27	-·22	46	46	+ 5	W	5	r	5	O.c	#	48	41	0·46
	Stornoway ...	29·59	48	W	4	r	29·41	-·15	49	49	+ 2	W	4	O	4	c.r	0·1	50	45	0·55
	Wick	29·57	49	W	5	c	29·39	-·15	52	50	+ 8	W	4	c	2	c	#	52	42	0·02
	Nairn	29·64	51	W	1	c	29·47	-·17	52	50	+ 7	W	3	c	2	c	#	54	40	0·01
	Aberdeen ...	29·69	53	SW	3	c	29·53	-·16	50	47	+ 5	ESE	2	c	2	bc q l c	3·6	57	45	-
British Islands.	Leith	29·80	48	WSW	3	O	29·63	-·15	51	48	+ 6	SW	4	c	#	O	#	52	43	0·01
	Shields	29·87	49	WSW	3	O	29·74	-·10	51	48	+ 8	SW	4	c	2	c.O	#	52	42	-
	Spurn Head ...	29·95	46	W	4	c	29·89	+·01	46	45	+ 2	SW	4	O	3	c.r	#	49	44	0·01
	York	29·94	49	W	2	c	29·89	+·01	49	47	+ 5	SSW	2	p	#	c	4·6	54	?	0·02
	Loughborough ...	30·02	50	NNW	2	O	29·99	+·05	47	44	O	SW	3	o m	#	c.om	#	53	45	-
	Ardrossan ...	29·84	48	SSW	3	O	29·70	-·12	48	48	+ 2	SW	3	o p m	4	O	#	48	45	0·09
	Malin Head ...	29·82	48	SSW	6	o p m	29·66	-·16	50	50	+ 4	WSW	7	o r m	6	o p m	#	50	46	0·03
	Belmullet ...	29·95	50	WSW	4	O	†29·82	-·13	51	51	+ 2	WSW	5	O	#	O	#	51	48	0·01
	Donaghadee ...	29·94	50	WSW	3	c	29·78	-·13	51	50	+ 1	WSW	7	c	5	c	#	52	42	0·01
	Liverpool (Bidston)	30·01	48	WSW	3	O	29·93	-·01	48	45	+ 3	SW	2	c	3	o m	#	50	38	-
	Holyhead ...	30·02	48	SW	2	O	†29·99	+·01	48	46	+ 2	SW	4	o m	3	O	#	51	45	-
	Parsonstown ...	30·02	50	W	1	r	29·94	-·06	52	50	+ 5	W	1	O	#	O.c	0·0	52	46	-
	Valencia ...	30·08	50	SW	2	O q	30·03	-·04	52	52	+ 2	SW	4	r m	5	O.O q	0·0	52	48	-
	Roche's Point ..	30·09	51	W	3	O	30·03	-·02	52	50	+ 4	W	4	O	3	O	#	54	48	-
	Pembroke (St. Ann's Hd.)	30·08	48	W	4	O	30·06	+·04	49	48	+ 1	W	4	O	4	O	0·0	49	47	-
	Scilly	30·11	51	W	2	c	30·13	+·08	51	48	+ 1	W	4	O	3	O f c	1·5	54	47	-
	Prawle Point ...	30·12	49	WNW	3	c	30·13	+·07	48	47	- 1	WSW	3	c	2	c	#	54	44	-
	Jersey (St. Aubin's)	30·13	51	W	3	c	30·17	+·09	49	49	- 1	WSW	2	O a m p	2	O p.c.O	#	52	48	0·07
	Hurst Castle ...	30·07	51	WNW	3	c m	30·09	+·08	47	46	O	SW	3	O	3	c.c m	#	54	44	-
	Dungeness ...	30·01	46	W	3	c	30·06	+·10	45	44	O	WSW	3	O p	2	c	#	52	42	-
	North Foreland	30·04	50	W	3	c	30·08	+·12	46	45	- 2	SW	2	O	2	O, c	#	53	42	-
	London (Brixton) ...	30·04	52	NW	2	c	30·05	+·05	47	45	O	SW	3	O	#	bc.O	0·6	55	43	-
	Oxford	30·07	48	W	2	O	30·05	+·06	48	45	+ 5	SW	2	O q	#	O	#	54	43	-
	Cambridge ...	30·02	50	WNW	1	c	30·02	+·07	46	45	O	SW	3	O	#	c	4·1	57	39	-
	Yarmouth ...	29·96	49	WNW	1	b c	29·97	+·08	46	44	O	WSW	4	b c	3	b c	#	53	41	-
Germany & Holland.	Cuxhaven ...	29·84	39	W	2	c	29·86	+·05	41	41	+ 2	WSW	3	r	#	c	#	45	37	0·04
	Berlin	29·82	44	W	3	r	29·95	+·02	39	38	+ 1	WNW	3	O	#	r	#	46	37	0·12
	Wiesbaden ...	#	#	#	#	#	30·10	+·06	44	42	+ 2	W	1	O	#	#	#	50	42	-
	Munich... ..	30·05	41	W	6	r	30·10	-·02	39	39	- 1	W	5	O	#	r	#	48	37	0·16
	The Helder ...	29·96	42	W	1	b	29·95	+·11	44	43	+ 1	SW	2	O	2	b	#	48	41	-
	Brussels ...	#	#	#	#	#	30·11	+·12	40	40	O	SSW	1	f	#	O	#	48	39	-
	Cape Gris Nez...	?	46	SW	1	m	?	?	45	43	O	W	2	m	2	m	#	48	41	-
	Paris	30·11	49	S	O	O	30·17	+·06	43	43	+ 4	S	1	b c	#	O	#	52	39	0·04
	Brest	30·16	51	W	3	f	30·19	+·09	50	50	O	WSW	2	O	2	f	#	52	48	-
	Lorient... ...	30·19	52	W	4	O	30·22	+·06	50	50	O	W	3	O	2	O	#	57	46	-
France & Belgium.	Rochefort ...	30·26	51	W	3	c	30·26	+·02	48	?	+ 3	WNW	1	O	#	O, c	#	57	45	-
	Belfort	30·10	45	W	5	O	30·12	-·03	42	42	+ 5	W	2	r	#	O	#	49	37	0·08
	Lyons	30·18	50	N	1	O	30·20	-·04	43	43	+ 4	N	1	O	#	O	#	57	39	0·08
	Nice	30·05	49	NW	O	b	29·99	-·12	45	41	+ 2	NW	O	b	O	b	#	57	43	-
	Perpignan ...	30·18	54	N	3	b	30·16	-·06	51	45	+ 5	W	3	b c	#	b	#	60	46	-
	Biarritz ...	30·23	53	N	2	b c	30·26	+·03	44	43	- 1	SSE	2	b c	2	b c	#	55	43	-
Peninsula.	Corunna ...																#			
	Lisbon	30·14	56	N	5	b	30·20	+·05	53	46	+ 2	NNE	4	b	#	b	#	64	50	-
	Azores (P. Delgada)	30·36	56	ESE	1	b	30·35	+·01	54	50	+ 1	NE	3	b	2	b	#	64	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 2·1 hrs;

WEATHER CHARTS

FOR Thursday, 17th March, 1898

BAROMETER, WIND AND SEA.

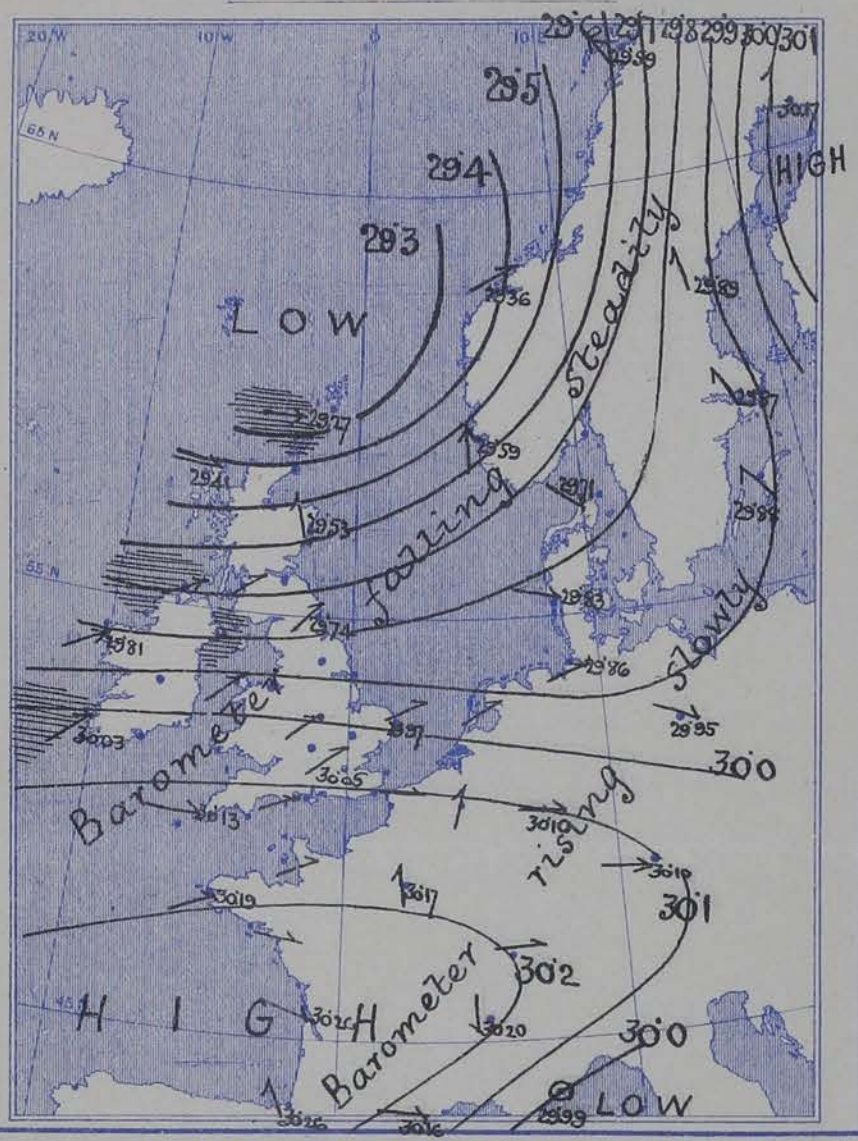
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▤

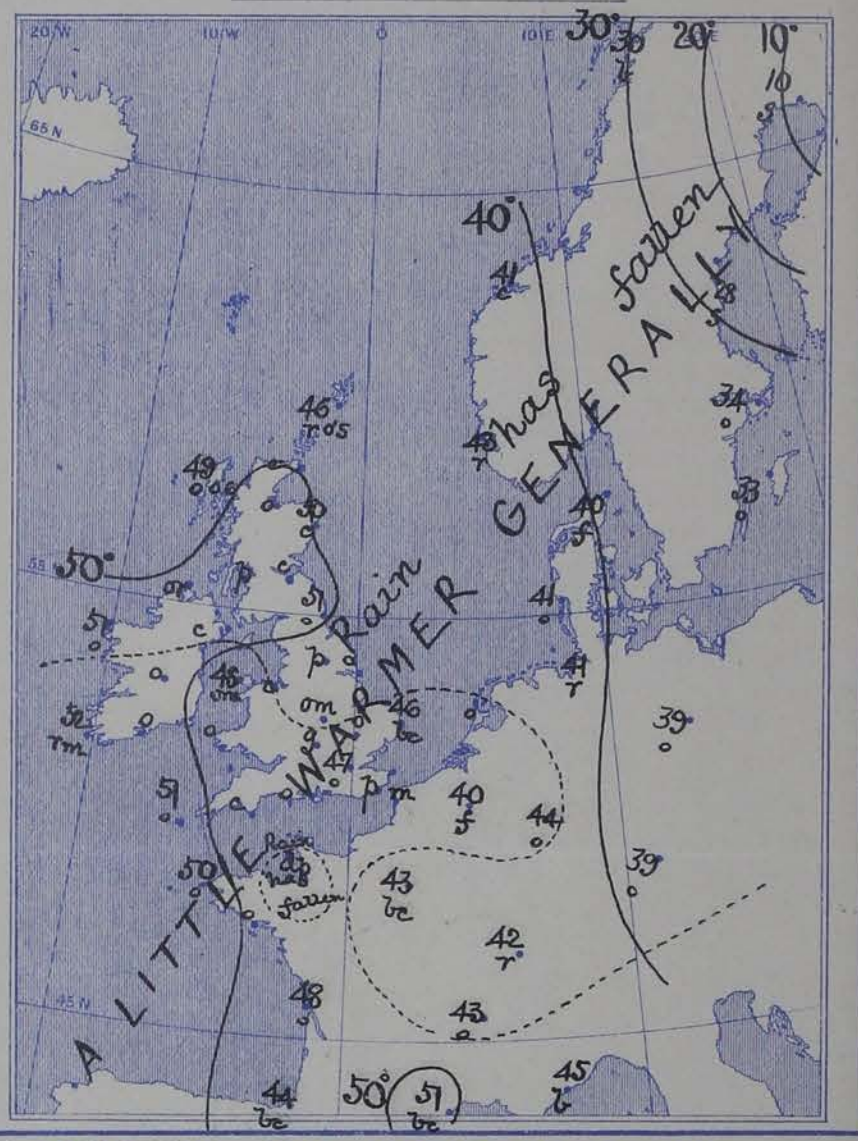


TEMPERATURE & WEATHER.

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 to 30·0 ins: over the Bay of Biscay, Spain, France, and the southern parts of Ireland and England; 30·2 ins: to 30·0 ins: over Finland and the Gulf of Bothnia.
Lowest, Below 29·3 ins: in a large but not deep depression lying off the west of Norway and covering the Shetland Islands.
Gradient somewhat steep in the north, moderate to slight in the south.
Barometer rising slightly over France and the northwest of Ireland, falling elsewhere, most at the northeastern stations.

TEMPERATURE

Highest, 52° to 50° on our southwestern and extreme western coasts, as well as in the east of Scotland; above 45° over our Islands generally.
Lowest, 10° F. at Haparanda, 28° at Hernösand, 33° at Wisby, 39° at Berlin and Munich.
It has risen decidedly over the United Kingdom since yesterday.

WIND

(1) W to SW over the British Islands, very strong on our northwest coasts, moderate in the south; (2) SE over Sweden and Lapland; (3) light and anticyclonic over France and Germany.

WEATHER

Fine and bright in the extreme south and southwest of France and also at Bodö; very cloudy or overcast elsewhere, with rain at some stations in the west and north, as well as at Dungeness.
Considerable rain has fallen in the Hebrides and Shetlands, and some showers over the northern countries generally.
Bright Sunshine recorded yesterday amounted to more than 4 hours at York and Cambridge and to 3·6 hrs at Aberdeen, elsewhere it was much less.

SEA

Rough on our northwestern and extreme western coasts, as well as at Dunbuyh Head, slight in the English Channel.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The wind appears likely to blow strongly at all our northern stations, and rather freshly in the south, veering towards NW. later, with some fall of temperature.

FORECASTS

For the 24 hours ending at NOON on 18TH MARCH 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	W winds, very strong, mild, showery—then NW and colder.
1	SCOTLAND EAST	SW and W winds, fresh or strong; slight showers, becoming colder.
2	ENGLAND N.E.	
3	ENGLAND EAST	SW and W winds, fresh, gusty, mild, some very slight showers, then clearer and colder.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as No 0.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Same as Nos 3 to 5.
9	IRELAND NORTH	Same as No 0
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 ...	29.66	45	42	NSW	2	b	3	Valencia	30.08	52	49	SW	3	o	4
Sumburgh Head	29.38	47	46	W	4	o	5	Scilly	30.10	53	51	W	2	o	3
Stornoway	29.58	50	48	W	5	c	5	Jersey	30.12	51	50	W	3	o	3
Aberdeen	29.66	51	49	NSW	5	bcq	2	Hurst Castle ...	30.03	50	48	NSW	4	c	3
Shields	29.86	50	46	NSW	2	c	2	Dungeness ..	29.99	48	46	NSW	3	c	2
Ardrossan	29.85	48	48	NSW	3	o	3	North Foreland	30.01	50	48	W	3	o	2
Malin Head ...	29.83	48	48	SSW	6	r	3	London (Westminster)	30.00	54	48	NW	3	o	*
Belmullet	29.97	50	48	NSW	4	o	*	Yarmouth ...	29.91	53	47	NNW	3	b	3
Holyhead	30.02	47	47	SW	3	o	2	Rochefort ...	30.24	55	53	NW	3	o	*

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

Weather in morning fine and bright over southeastern, southern, and southwestern Europe, as well as at some stations in the east of England and the north of Russia; cloudy or overcast elsewhere, with rain in several parts of France, the Netherlands, and Germany, snow over Eastern Russia and at some of the Norwegian stations. Snow falling over Sweden later, considerable rain over the Shetlands and Hebrides, and slight showers over the nathern parts of our Islands generally, as well as at several stations in France and Germany.

Temperature rises over Great Britain, falls over Ireland and the north of Russia. Morning readings highest 58° at Malta, 54° at Algiers and Barcelona; 51° at Lisbon, 50° at Lorient, Jersey, Scilly, and Valencia (Ireland) 49° at Belmullet 47° at Stornoway and in London. Lowest 2° F. at Kuopio, 3° at Archangel, 4° at Moscow, 5° at Kharkov, 9° at Helsingfors; not below freezing point at any of the stations in central and western Europe. Rising later to between 50° and 57° over the greater part of the British Islands and France, and touching 60° at Perpignan and 64° at Lisbon.

Wind light to moderate in force and very variable in direction over all the southern, central and eastern countries of Europe – moderate in force, but cyclonic in direction over the northwestern countries – viz. SW^{2} to NW^{4} over the British Islands and the Netherlands, SW^{1} to S^{3} over Holstein and Denmark, S^{3} to SE^{5} over Sweden and Lapland. Backing somewhat in the north of Ireland later, and becoming strong at Malin Head.

Barometer (1) highest 30·2 in: and more to 30·0 in: over the western and southern countries generally; (2) 30·5 in: and more to 30·0 in: over Russia and Ireland. Lowest below 29·5 in: over the Shetlands and northwest of Norway, and apparently still lower over the adjacent parts of the Atlantic; some very shallow secondary disturbances observed over the British Islands, the North Sea, the Baltic, and Central Europe. No decided change 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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DAILY WEATHER REPORT

for 8 a.m. on Friday, 18th March, 1898.

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 ...	30·03	8	S	4	b	29·70	-·47	10	10	0	SE	8	S	#	b	#	12	6	-
	Hernösand ...	29·65	30	SE	10	S	29·28	-·61	33	32	+5	S	4	O	#	S	#	33	25	0·75
	Stockholm ...	29·79	34	2	0	O	29·42	-·45	35	85	+1	S	4	r	#	D	#	37	30	0·20
	Wisby	29·86	34	SSE	4	O	29·54	-·34	37	37	+4	SSW	6	r	#	O	#	37	28	0·24
	Karlstad ...	29·56	36	SSE	4	r	29·34	-·41	36	36	+3	S	2	f	#	r	#	#	#	0·51
	Bodö	29·21	28	SE	6	O	29·09	-·50	23	20	-7	E	8	c	2	O	#	34	23	-
	Christiansund ...	29·16	42	SW	3	r	29·19	-·17	40	37	-1	WSW	3	O	4	r	#	43	37	0·67
	Skudesnaes ...	29·48	44	SW	2	O	29·36	-·23	42	42	-1	N	O	fqpc	2	r.o	#	44	41	#
	Færder (Christiania Fjord)	29·49	37	S	4	fq	29·32	-·36	37	37	+3	W	4	f	2	f	#	37	34	0·24
	Skagen (The Scaw)	29·58	42	WSW	2	O	29·44	-·27	43	43	+3	WSW	3	O	O	O	#	43	39	0·08
	Fanö	29·68	41	WSW	4	r	29·62	-·20	43	43	+2	WSW	4	r	#	r	#	43	41	0·16
	Sumburgh Head	29·33	45	W	3	r	29·23	-·04	40	40	-6	N	O	r	3	O,r	#	48	40	0·30
	Stornoway ...	29·44	49	W	4	r	29·28	-·13	47	46	-2	NNW	3	Oc	3	Or	O·O	51	44	0·60
	Wick	29·45	52	NW	3	O	29·24	-·15	52	51	O	NW	2	O	2	O	#	56	48	0·04
	Nairn	29·46	55	W	1	bc	29·30	-·17	54	51	+2	W	2	c	1	bc	#	60	49	-
	Aberdeen ...	29·52	57	SW	2	c	29·38	-·15	54	49	+4	SW	5	bcq	3	cq	2·4	61	50	-
British Islands.	Leith	29·63	52	W	5	O	29·53	-·10	53	50	+2	SW	4	O	#	O	#	56	48	-
	Shields	29·71	56	WSW	4	c	29·66	-·08	53	50	+2	SW	4	c	2	e	#	58	50	-
	Spurn Head ...	29·81	49	WSW	4	O	29·80	-·09	50	49	+4	WSW	4	b	3	Oq	#	51	46	0·06
	York	29·81	55	SW	3	c	29·81	-·08	52	50	+3	SW	3	O	#	r.c	O·O	56	47	0·11
	Loughborough ...	29·90	55	SW	3	c	29·91	-·08	51	49	+4	WSW	3	c	#	O,c,O	#	56	47	-
	Ardrossan ...	29·66	52	WSW	6	Oq/p	29·58	-·12	52	51	+4	WSW	8	c	5	cq/p	#	52	47	0·01
	Malin Head ...	29·68	50	WSW	6	rqm	29·53	-·13	50	50	O	WSW	7	cm	6	O,rqm	#	51	49	0·02
	Belmullet ...	29·83	51	WSW	5	Om	29·73	-·09	52	50	+1	WSW	5	O	#	O.Om	#	52	49	0·01
	Donaghadee ...	29·80	56	WSW	6	O	29·72	-·06	54	52	+3	WSW	6	c	4	O	#	58	50	-
	Liverpool (Bidston)	29·88	54	WSW	4	O	29·88	-·05	52	49	+4	WSW	4	O	4	c,Oq,O	#	58	47	0·01
	Holyhead ...	29·91	50	SSW	4	cm	29·88	-·11	49	48	+1	SW	4	Om	3	Oqm.c	#	52	46	-
	Parsonstown ...	29·99	52	W	1	r	29·87	-·07	52	50	O	SW	1	Oq	#	O,r	O·O	54	51	0·02
	Valencia ...	30·03	53	WSW	3	Om	29·94	-·09	53	52	+1	SW	5	Oq	5	Om	O·O	54	51	0·02
	Roche's Point ..	30·04	55	W	4	c	30·00	-·03	51	51	-1	WSW	4	rm	3	e	#	57	50	-
	Pembroke (St. Ann's Hd.)	30·03	49	W	5	f	30·01	-·05	49	48	O	NNW	5	Oq	4	Of	O·O	49	48	-
	Scilly	30·13	51	WSW	4	f	30·12	-·01	50	50	-1	WSW	4	Opm	3	e.f	O·4	54	48	0·03
	Prawle Point ...	30·11	49	WSW	4	f	30·10	-·03	49	48	+1	WSW	5	e	4	c.f	#	50	47	0·01
	Jersey (St. Aubin's)	30·16	50	NNW	4	Oq	30·17	·00	50	50	+1	N	4	Orm	3	O,2f	#	53	48	0·03
	Hurst Castle ...	30·06	48	WSW	4	Om	30·05	-·04	49	48	+2	WSW	3	O	3	O.Om	#	50	47	-
	Dungeness ...	29·99	46	SW	4	c	29·99	-·07	47	46	+2	SW	4	c	3	O.c	#	48	44	-
	North Foreland	29·99	52	WSW	3	c	29·98	-·10	50	49	+4	WSW	2	O	1	c	#	55	45	-
	London (Brixton) ...	30·00	52	W	3	bc	30·00	-·05	51	49	+4	WSW	3	O	#	O,b	O·O	56	47	-
	Oxford	30·00	50	SW	4	O	29·97	-·08	51	49	+3	SW	4	Oq	#	O	#	54	47	-
	Cambridge ...	29·94	52	WSW	4	O	29·94	-·08	50	49	+4	WSW	4	O	#	c,O	1·2	59	44	-
	Yarmouth ...	29·87	53	W	4	c	29·87	-·10	50	49	+4	W	5	cm	4	C	#	54	44	0·01
Germany & Holland.	Cuxhaven ...	29·86	43	WSW	3	r	29·72	-·14	44	44	+3	W	5	O	#	r	#	45	41	0·43
	Berlin	29·89	45	W	2	r	29·75	-·20	46	45	+7	W	1	r	#	r	#	46	39	0·39
	Wiesbaden ...	*	*	*	*	#	29·99	-·11	48	46	+4	SW	2	O	#	*	#	52	44	0·08
	Munich... ..	30·10	42	W	5	r	30·06	-·04	41	41	+2	W	6	r	#	r	#	48	39	0·35
	The Helder ...	29·86	44	SW	2	O	29·84	-·11	46	45	+2	SW	2	bc	2	O	#	46	43	0·04
Belgium.	Brussels ...	*	*	*	*	*	30·02	-·09	47	47	+7	SW	4	f	#	O	#	51	40	-
	Cape Gris Nez...	?	46	W	4	c	?	?	46	45	+1	W	4	f	3	c	#	48	41	-
	Paris	30·14	51	SW	2	O	30·15	-·02	47	46	+4	SW	2	m	#	O	#	55	43	-
	Brest	30·21	51	NNW	2	O	30·21	+·02	50	48	O	W	2	O	2	O	#	52	48	-
	Lorient... ...	30·23	50	NW	3	O	30·23	+·01	50	50	O	W	3	O	2	O	#	57	46	-
France &	Rochefort ...	30·29	51	NW	4	O	30·27	+·01	50	48	+2	NNW	3	O	#	bc.o	#	59	48	-
	Belfort	30·13	48	WSW	3	O	30·15	+·03	42	42	O	WSW	5	f	#	O	#	57	42	-
	Lyons	30·19	48	NW	1	O	30·23	+·03	45	44	+2	NNW	1	O	#	O	#	51	42	-
	Nice	29·99	48	SW	1	b	30·02	+·03	48	43	+3	N	O	b	O	b	#	59	43	-
	Perpignan ...	30·13	55	W	4	b	30·16	·00	53	48	+2	NW	3	b	#	b	#	60	51	-
	Biarritz ...	30·25	53	N	4	c	30·25	-·01	50	48	+6	SE	2	O	2	c	#	57	44	-
Peninsula.	Corunna ...																#			
	Lisbon	30·18	58	NE	3	b	30·21	+·01	52	47	-1	NNE	3	b	#	b	#	68	50	-
	Azores (P. Delgada)	30·33	59	SSE	3	bc	30·31	-·04	55	51	+1	N	O	bc	2	bc	#	64	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.*

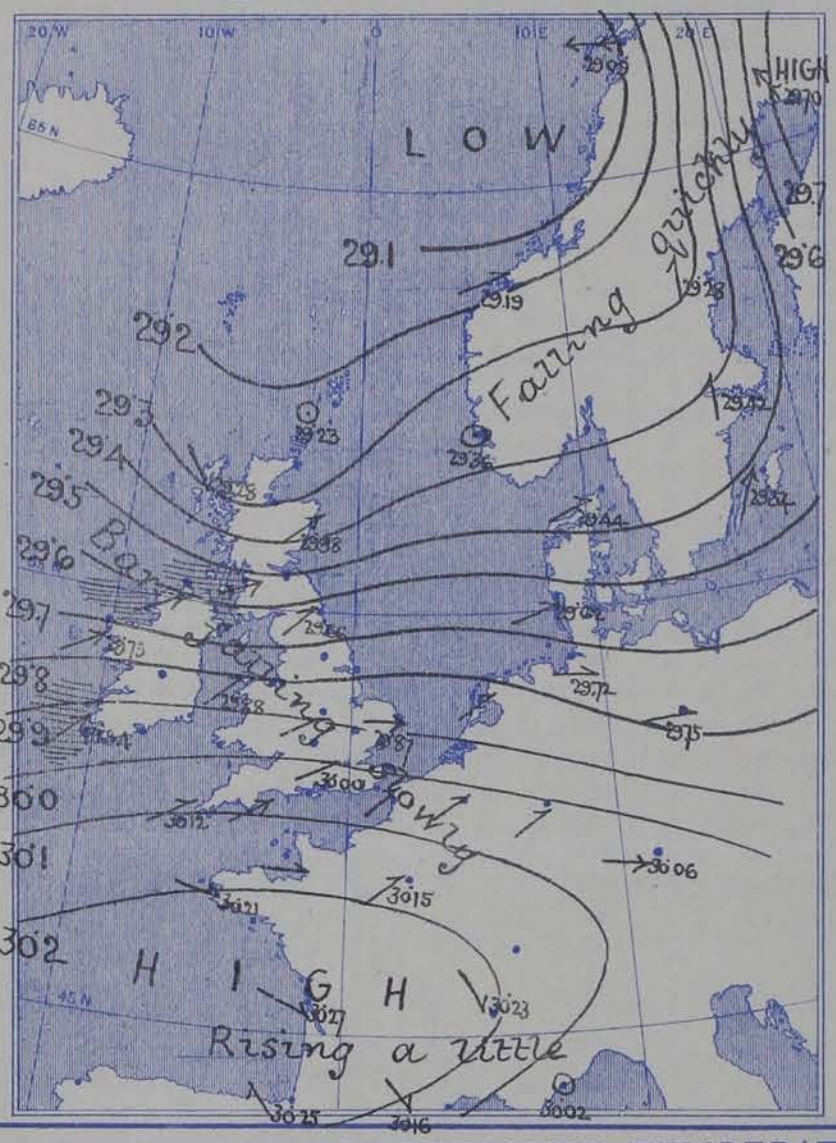
Bright Sunshine yesterday Southport...0.0 hrs;

WEATHER CHARTS

FOR Friday. 18th March, 1898

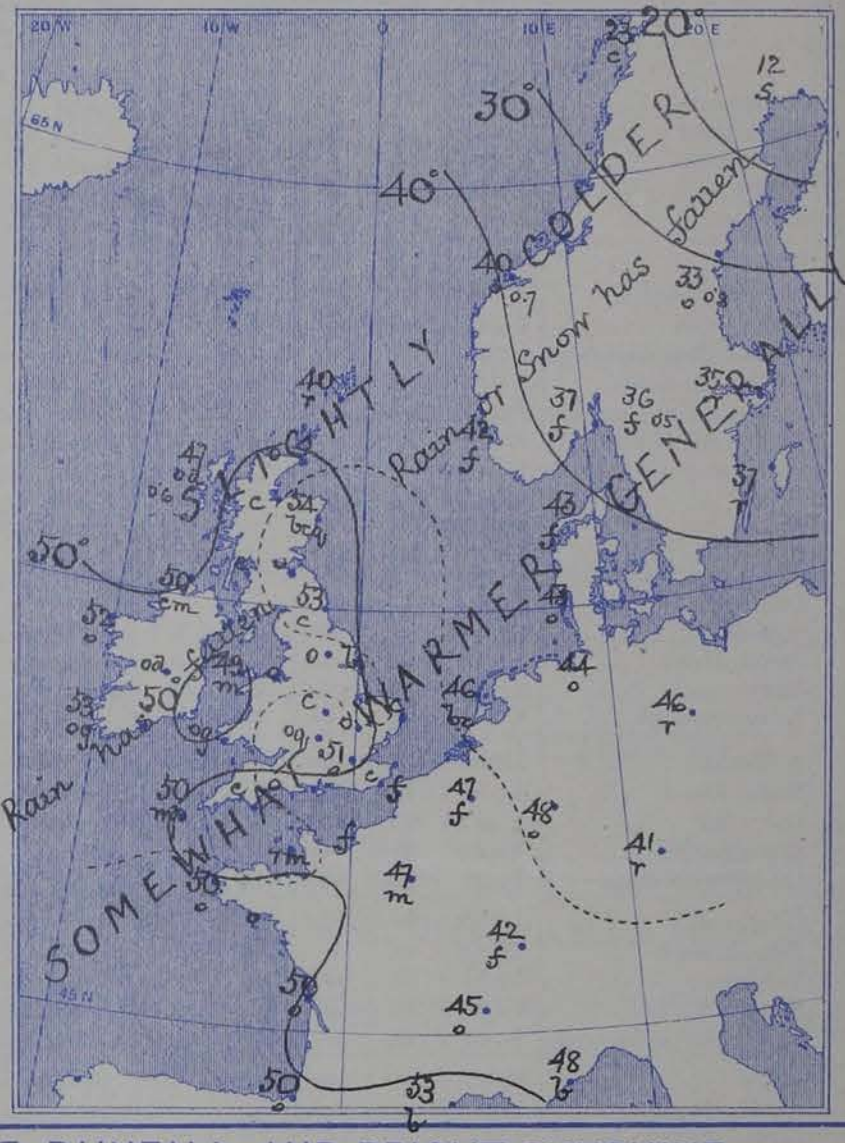
BAROMETER, WIND AND SEA.

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, (1) 30·2 in: and more to 30·0 in: over the Bay of Biscay, France, the Channel, and the southern and southwestern parts of our Islands; (2) 29·70 in: at Haparanda.
Lowest, Below 29·1 in: in the northwest of Norway, and below 29·3 in: over the Shetlands and the north of Scotland.
Gradient moderate to rather steep over our Islands, slight over the Bay of Biscay and France
Barometer falling over the United Kingdom generally – most in the north and west.

TEMPERATURE

Highest, 54° to 52° over the eastern parts of Scotland, 53° to 50° on the west and south coasts of Ireland; 50° at Scilly, and at all stations in the west of France.
Lowest, 12° F. at Haparanda, 23° at Bodö, 33° at Hernösand.
Maxima of 60° were recorded in the east of Scotland yesterday, 59° at Cambridge, 58° at Shields and at Douaghadee; 59° at Rochefort and Nice. 60° at Perpignan.

WIND

SW^{ly} to W^{ly} over the greater part of our Islands, moderate to fresh in force generally, but a moderate to fresh gale prevails on some parts of our northwest coasts, and a light NW^{ly} breeze in the north of Scotland. In Lapland the wind is still SE^{ly} and over France light from W, NW, and E. (Anticyclonic).

WEATHER

Cloudy almost everywhere, with slight showers in some parts of our Islands, rain over Germany and the southeast of Sweden. Considerable rain has fallen over the Hebrides, the Shetlands, Scandinavia and Germany, slight showers in several parts of Ireland and England. Bright Sunshine yesterday amounted to 3 hrs: at Llandudno, to 2·4 hrs: at Aberdeen, and 1·2 hrs: at Cambridge, elsewhere there was much less, and at some stations there was none.

SEA

Rough on our northwestern and extreme eastern coasts, moderate to slight in most other places.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Fresh or strong SW^{ly} and W^{ly} breezes are likely to occur generally, with very mild showery weather, but intervals of bright sunshine.

FORECASTS

For the 24 hours ending at NOON on 19TH MARCH 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW^{ly} and SW^{ly} winds, strong; unsettled, rain at times.
1	SCOTLAND EAST	
2	ENGLAND N.E.	SW^{ly} winds, moderate to strong; fine and mild, showery later.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	SW^{ly} winds, strong; squally, showery.
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 ...	29.51	42	42	SSW	6	rf	4
Sumburgh Head	29.29	47	47	W	5	o	5
Stornoway	29.44	51	51	W	4	r	4
Aberdeen	29.49	59	53	SW	4	cq	3
Shields	29.70	55	50	SW	4	c	2
Ardrossan	29.65	52	52	WSW	5	cqp	4
Malin Head ...	29.66	51	51	WSW	6	o	6
Belmullet	29.83	52	51	WSW	6	o	*
Holyhead	29.93	49	48	SSW	5	ogm	4
Valencia	30.05	53	52	SW	4	om	5
Scilly	30.15	53	51	WSW	4	c	3
Jersey	30.18	53	51	W	3	o	3
Hurst Castle ...	30.08	48	47	WSW	4	o	2
Dungeness ...	30.01	49	46	SW	4	o	3
North Foreland	30.01	54	52	SW	4	c	2
London (Westminster)	30.01	55	50	W	3	o	*
Yarmouth ...	29.91	54	49	W	4	c	3
Rochefort ...	30.31	57	54	NW	4	bc	*

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, 19th March, 1898.

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 ...	29.45	13	SSE	6	s	29.22	-.48	15	15	+ 5	ESE	2	s	*	s	*	?	3	0.12
	Hernösand ...	29.13	33	W	0	o	28.99	-.29	30	28	- 3	NE	4	o	*	o	*	37	30	0.16
	Stockholm ...	29.19	39	W	0	f	28.95	-.47	39	89	+ 4	WSW	6	r	*	f	*	39	34	0.12
	Wisby	29.33	41	SSW	6	r	29.13	-.41	43	42	+ 6	WSW	8	o	*	r	*	43	32	0.20
	Karlstad ...	29.15	38	S	2	f	29.06	-.28	39	37	+ 3	NW	2	c	*	f	*	*	*	-
	Bodö	28.98	25	E	6	bc	28.82	-.27	29	25	+ 6	E	8	c	2	bc	*	29	21	-
	Christiansund ...	29.13	37	WSW	5	c	29.13	-.06	35	32	- 5	WNW	5	s	5	c	*	44	34	0.16
	Skudesnaes ...	29.22	43	WSW	6	o	29.27	-.09	35	35	- 7	NNW	6	o	3	m.o	*	45	34	*
	Færder (Christiania Fjord)	29.14	39	SW	5	b	29.11	-.21	37	36	0	WSW	2	bc	4	b	*	39	36	-
	Skagen (The Scaw)	29.26	44	W	4	o	29.22	-.22	41	40	- 2	WNW	4	bc	1	o	*	46	39	-
	Fanö	29.56	44	WSW	6	b	29.47	-.15	43	42	0	WSW	6	o	*	b	*	46	43	-
	Sumburgh Head	29.21	40	W	2	o	29.48	+.28	32	32	- 8	NNW	4	s	5	o	*	43	30	0.14
	Stornoway ...	29.34	42	NNW	3	o	29.75	+.47	35	34	- 12	N	3	s	3	r.o	0.0	47	32	0.25
	Wick	29.28	48	NW	3	r	29.63	+.39	37	36	- 15	NW	4	bc	2	r.s	*	53	32	0.08
	Nairn	29.35	44	W	1	r	29.73	+.43	36	35	- 18	W	3	c	1	r	*	58	32	0.35
	Aberdeen ...	29.33	56	WSW	3	c	29.70	+.32	39	35	- 15	WNW	6	bq	3	bcq.qlp	6.0	61	34	0.04
	Leith	29.43	51	SW	5	r	29.76	+.23	42	38	- 11	W	3	bm	*	r	*	56	37	0.02
	Shields	29.57	57	SW	4	c	29.76	+.10	43	39	- 10	WNW	2	c	2	bc	*	61	42	-
	Spurn Head ...	29.74	52	SW	5	c	29.76	-.04	42	42	- 8	NNW	5	rq	4	bc.q	*	55	41	0.05
	York	29.71	56	WSW	4	c	29.79	-.02	44	41	- 8	NW	1	o	*	c.r	1.8	58	42	0.05
	Loughborough ...	29.85	54	SW	3	o	29.78	-.13	50	49	- 1	WSW	3	oz	*	o.c.qz	*	60	49	0.01
British Isles	Ardrossan ...	29.50	49	SSW	4	rm	29.80	+.22	43	41	- 9	W	3	b	2	om.rm	*	52	38	0.05
	Malin Head ...	29.46	49	WSW	6	rq	29.84	+.31	42	40	- 8	WNW	5	bc	4	o.rq	*	52	40	0.04
	Belmullet ...	29.64	51	WSW	8	om	29.95	+.22	43	39	- 9	N	4	o	*	om	*	53	39	0.10
	Donaghadee ...	29.62	53	WSW	7	c	29.85	+.13	43	41	- 11	NW	5	bc	3	c	*	59	41	0.14
	Liverpool (Bidston)	29.75	50	SW	7	bc	29.84	-.04	43	40	- 9	NW	3	r	3	bc	*	56	42	0.18
	Holyhead ...	29.77	49	SW	6	c	29.84	-.04	43	41	- 6	NNE	2	qm	2	o qm.c	*	51	41	0.18
	Parsonstown ...	29.74	53	W	2	o	29.90	+.03	43	42	- 9	NW	1	o	*	o.or	0.3	54	41	0.34
	Valencia ...	29.81	53	SW	5	oq	29.86	-.08	45	43	- 8	NNE	6	o	4	o q	0.1	54	44	0.25
	Roche's Point ...	29.89	51	WSW	5	c	29.85	-.15	49	49	- 2	N	3	r	3	c.r	*	52	48	0.15
	Pembroke (St. Ann's Hd.)	29.96	49	W	5	o	29.83	-.18	49	49	0	W	5	rz	4	o	0.0	49	48	0.03
	Scilly	30.05	52	WSW	5	c	29.93	-.19	51	50	+ 1	SW	4	o	4	c	2.2	56	49	-
	Prawle Point ...	30.06	48	WSW	5	o	29.96	-.14	49	48	0	SW	5	o	4	o	*	49	47	-
	Jersey (St. Aubin's)	30.14	52	WSW	5	oq	30.06	-.11	49	47	- 1	WSW	3	oq	3	oq.o	*	53	47	0.02
	Hurst Castle ...	30.03	48	WSW	5	bcm	29.95	-.10	48	47	- 1	SW	4	o	3	cm.bcm	*	52	47	-
	Dungeness ...	29.96	48	SW	5	c	29.92	-.07	47	46	0	WSW	5	c	4	bc.c	*	52	46	-
	North Foreland	29.95	57	WSW	5	b	29.92	-.06	51	49	+ 1	SW	5	c	3	b	*	63	46	-
	London (Brixton) ...	29.95	56	W	4	bc	29.89	-.11	52	48	+ 1	WSW	3	o	*	bc	3.8	60	47	-
	Oxford	29.96	49	WSW	6	o	29.87	-.10	50	47	- 1	WSW	3	o	*	oq.zq	*	55	48	-
	Cambridge ...	29.90	54	SW	4	o	29.83	-.11	52	49	+ 2	SW	4	o	*	b.oq	6.4	63	48	-
	Yarmouth ...	29.82	58	W	4	bc	29.77	-.10	52	49	+ 2	WSW	6	eq	4	bc	*	60	47	-
Germany & Holland.	Cuxhaven ...	29.75	49	WSW	6	o	29.66	-.06	45	45	+ 1	W	6	r	*	o	*	52	44	-
	Berlin	29.79	51	W	4	o	29.75	.00	50	48	+ 4	W	4	o	*	o	*	52	46	0.08
	Wiesbaden ...	*	*	*	*	*	30.01	+.02	50	47	+ 2	W	1	c	*	*	*	54	48	-
	Munich	30.12	45	W	5	o	30.10	+.04	44	43	+ 3	W	5	o	*	o	*	45	41	0.32
	The Helder ...	29.82	44	SW	3	b	29.75	-.09	45	44	- 1	SW	4	o	3	b	*	48	43	-
Belgium.	Brussels ...	*	*	*	*	*	29.99	-.03	47	45	0	WSW	4	o	*	o	*	51	46	-
	Cape Gris Nez ...	?	47	W	5	c	?	?	48	45	+ 2	W	5	o	5	c	*	50	43	-
	Paris	30.15	51	SSW	2	o	30.09	-.06	49	47	+ 2	SSW	2	o	*	o	*	53	47	-
	Brest	30.16	51	SW	2	o	29.99	-.22	49	48	- 1	SSW	3	o	2	o	*	52	46	-
	Lorient	30.20	50	W	3	c	30.08	-.15	48	48	- 2	SW	2	o	2	c	*	57	46	-
France &	Rochefort ...	30.28	53	NW	3	o	30.16	-.11	49	48	- 1	ENE	1	o	*	o	*	54	46	-
	Belfort	30.17	46	W	4	rq	30.11	-.04	43	43	+ 1	WSW	3	rq	*	rq	*	49	?	-
	Lyons	30.21	50	N	2	oq	30.16	-.07	46	44	+ 1	N	1	oq	*	oq	*	54	45	-
	Nice	30.01	52	Z	0	b	30.08	+.06	46	46	- 2	Z	0	b	1	b	*	59	45	-
	Perpignan ...	30.13	57	W	3	o	30.12	-.04	43	42	- 10	SW	1	b	*	o	*	63	40	-
	Biarritz ...	30.21	53	NNE	4	o	30.04	-.21	42	41	- 8	E	4	m	2	o	*	57	41	-
Penin-sula.	Corunna ...																*			
	Lisbon	30.15	60	NW	4	b	30.11	-.10	53	48	+ 1	NNE	3	c	*	b	*	55	52	-
	Azores (P. Delgada)	30.29	59	WSW	3	c	30.21	-.10	59	58	+ 4	WSW	4	m	3	c	*	64	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 2.2 hrs;

WEATHER CHARTS

FOR Saturday, 19th March, 1898

BAROMETER, WIND AND SEA.

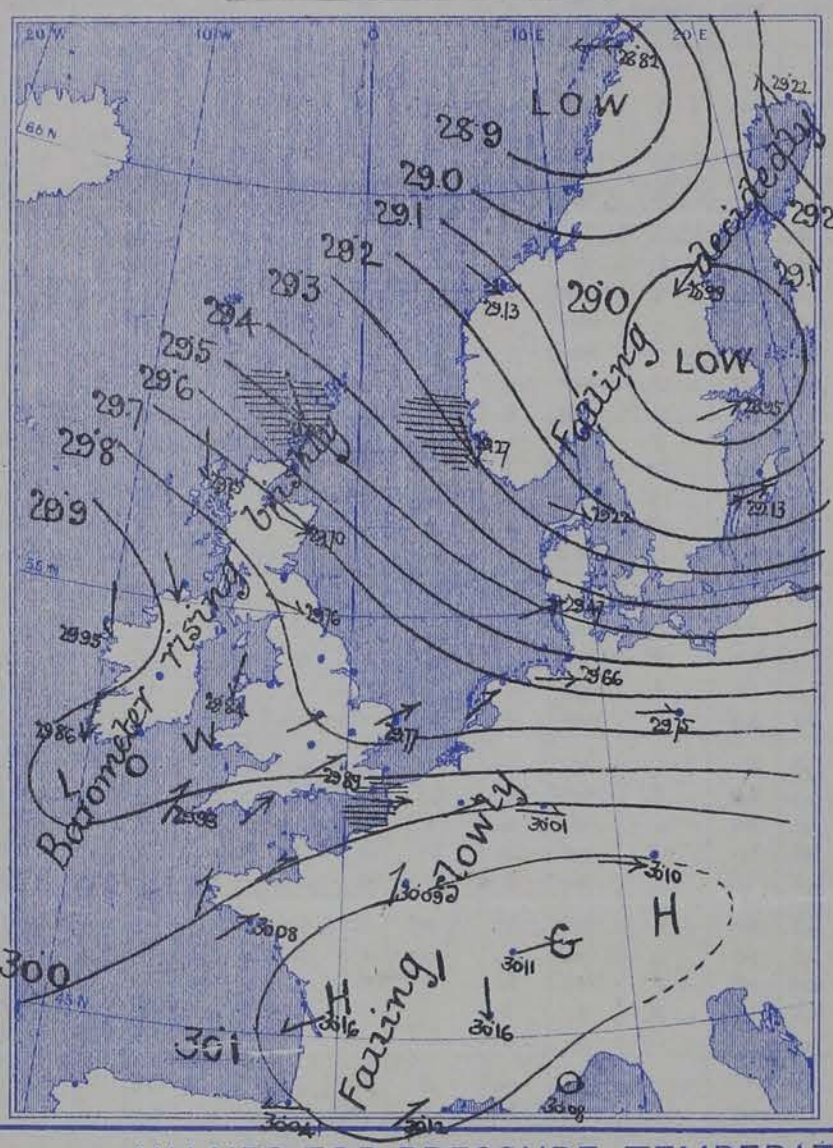
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▨

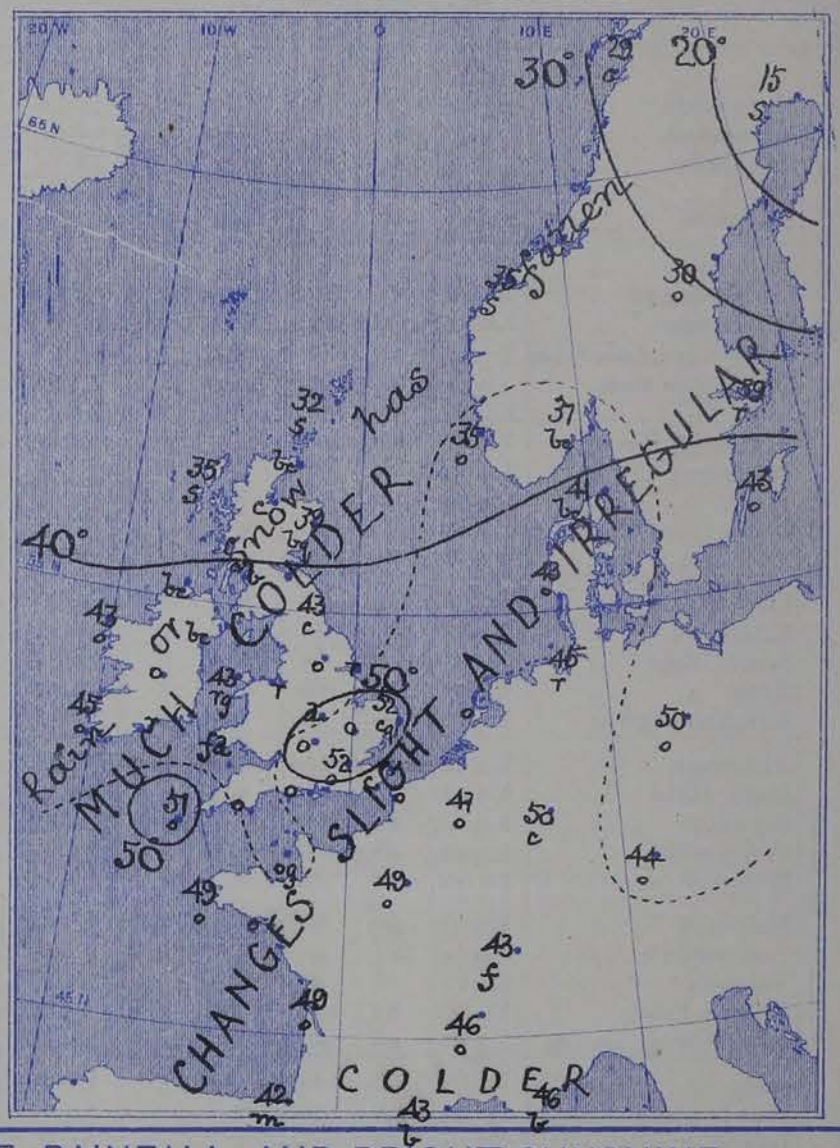


TEMPERATURE & WEATHER.

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 more to 30·0 ins: in an anticyclone covering France, Germany, and the Bay of Biscay; (2) 29·9 ins: and more over the west of Ireland, and apparently still higher over adjacent part of the Atlantic.
Lowest, (1) about 28·8 ins: over the north of Norway, and below 29·0 ins: at Stockholm; below 29·9 ins: in a "V" shaped disturbance stretching from the North Sea across England, the southern part of Ireland, and neighbouring parts of the Atlantic.
Gradient moderate, but variable in direction.
Barometer rising fast over our northern and northwestern districts, falling a little in the south.

TEMPERATURE

Highest, 50° to 52° over the southeast of England, 51° at Scilly, 49° at Pembroke and Rockelpoint; 50° at Berlin.
Lowest, (1) 15° to 30° over the northern part of Scandinavia; (2) 32° at Dunbugh Head, 35° at Stornoway, 36° at Nairn.
Maxima of 61° to 63° were recorded in many parts of Great Britain yesterday, but in Ireland the values were not nearly so high.

WIND

NW^{3} to N^{2} over Ireland and all the northern parts of Great Britain, moderate to strong in force — but SW^{2}, moderate to fresh, over our southern and eastern counties, light over the north of France
SW^{3} winds, strong to a moderate gale in force have been felt previously in many parts of the Kingdom.

WEATHER

In a changeable condition generally; dull over the southern half of our Islands, with rain in places, clear at several of the northern stations, but cloudy in others, and with snow in the extreme north of Scotland.
Showers have fallen over all our western and northern districts, in Sweden, and in Germany.
Bright Sunshine recorded yesterday was 6hrs: or more both at Cambridge and Aberdeen, 5·5hrs: at Llandudno, and more than 5hrs: at Hastings and Eastbourne; London had 3·8hrs.

SEA

Moderate in most places, rather rough at Cape Wrath and Dunbugh Head.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

NW^{3} winds and cold weather are likely to become general over the United Kingdom.

FORECASTS

For the 24 hours ending at NOON on 20TH MARCH 1898

DISTRICTS.		FORECASTS.
▼ 0	SCOTLAND NORTH	NW^{3} winds, strong to light; some showers. Frost tonight.
▼ 1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	NW^{3} winds, strong; squally, some showers, much colder.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
▼ 6	SCOTLAND WEST	Same as Nos 0 to 2.
▼ 7	ENGLAND N.W.	Same as Nos 3 to 5.
▼ 8	ENGLAND S.W.	Wind shifting to NW. very fresh and gusty, some showers. Much colder.
▼ 9	IRELAND NORTH	N^{2} and NW^{3} winds; becoming still colder. Frost inland tonight.
▼ 10	IRELAND SOUTH	
	WARNINGS	At 7·15 pm yesterday to districts 0, 1, and 6 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 ...	29·27	45	44	SW	4	m	3
Sumburgh Head	29·20	42	41	W	2	o	3
Stornoway	29·33	44	44	NW	3	r	3
Aberdeen	29·30	60	51	WSW	6	bcq	4
Shields	29·63	60	53	SW	5	b	2
Ardrossan	29·55	51	50	SW	5	om	4
Malin Head ...	29·47	51	50	WSW	7	o	6
Belmullet	29·67	51	50	WSW	8	om	*
Holyhead	29·83	51	49	SW	6	ogm	4
Valencia	29·89	54	50	SW	6	oq	6
Scilly	30·08	53	50	NEN	5	e	3
Jersey	30·17	53	51	WSW	5	o	4
Hurst Castle ...	30·05	50	48	SW	4	cm	3
Dungeness ...	29·95	51	49	SW	6	be	5
North Foreland	29·94	60	56	W	5	b	3
London (Westminster)	29·96	60	53	SW	5	e	*
Yarmouth ...	29·82	59	53	WSW	4	bc	4
Rochefort ...	30·28	53	52	NW	3	o	*

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

Weather in morning fine and bright (1) over the Spanish Peninsula and the Mediterranean, (2) over Finland and the north of Russia: cloudy or overcast elsewhere, and becoming unsettled — rain falling very generally over Germany and the south of Sweden, as well as over several of the western and northern parts of our Islands, snow at Haparanda (Gulf of Bothnia). Further falls of snow and cold rain later over the northern districts, and of warmer rain over Ireland and the northern half of England.

Temperature in morning highest 59° at Barcelona, 58° at Algiers, 55° at Malta, 54° at Brindisi; 50° along the west coast of France and at Scilly, but 54° to 51° at most of the Irish and Scotch stations. Lowest −6° F to +1° over almost the whole of Russia, 12° at Haparanda, but 30° at Warsaw. Rising later to between 60° and 63° in many parts of England and Scotland, but much less high over Ireland. Touching 59° at Nice and 63° at Perpignan. Falling rapidly over Scotland at night.

Wind (1) light in force and very variable in direction over all the southern and eastern countries; (2) very strong from the W^d in our northwest coasts, moderate over England and the North Sea, but very strong from the S^d over the Baltic, and from SE. and E. over Lapland. Becoming strong at times later, from the W^d over England, but falling light in Scotland.

Barometer highest (1) 30·4 in: at Archangel, and exceeding 30·0 in: over nearly the whole of Russia; (2) 30·3 in: in the Azores, and ranging from 30·2 in: and more to 30·0 in: over Spain, France, south and west Germany, and the southern part of the United Kingdom. Lowest 29·1 in: and less to 29·2 in: over the northwest of Norway, the Shetland Isles, and adjacent parts of the Atlantic, and below 29·7 in: in a "hollow" over North Germany. Falling all over Ireland, England and the North Sea during day, but beginning to rise in 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.

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 20th March, 1898.

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 ...	29.10	15	E	4	b	29.15	−.07	14	13	− 1	NE	2	c	*	b	*	21	10	0.20
	Hernösand ...	29.08	25	2	0	0	29.24	+.25	19	17	− 11	N	2	bc	*	0	*	36	23	0.08
	Stockholm ...	29.17	33	W	2	b	29.26	+.31	32	30	− 7	W	4	0	*	b	*	39	32	0.04
	Wisby	29.28	34	W	4	b	29.41	+.28	34	32	− 9	WNW	6	b	*	b	*	43	32	0.04
	Karlstad ...	29.32	33	W	4	b	29.41	+.35	33	29	− 6	WNW	2	b	*	b	*	*	*	—
	Bodö	29.00	23	ESE	6	c	29.04	+.22	24	21	− 5	E	6	c	2	c	*	29	19	—
	Christiansund ...	29.25	39	WNW	7	s	29.16	+.03	34	33	− 1	NW	9	s	6	s	*	39	30	0.51
	Skudesnaes ...	29.80	36	NW	7	c	29.68	+.41	33	32	− 2	NNW	9	c	4	c	*	36	32	*
	Færder (Christiania Fjord)	29.40	36	WSW	4	b	29.49	+.38	36	31	− 1	W	6	bc	3	b	*	43	36	—
	Skagen (The Scaw)	29.52	37	WNW	6	b	29.60	+.38	37	35	− 4	WNW	6	b	2	b	*	45	36	—
	Fanö	29.78	38	W	6	b	29.84	+.37	36	35	− 7	WNW	6	b	*	b	*	45	36	—
British Isles.	Sumburgh Head	29.69	36	NNW	4	c	29.84	+.36	35	34	+ 3	NW	4	s	5	c	*	39	31	0.08
	Stornoway ...	29.93	38	NW	5	bc	30.08	+.33	35	34	0	NW	2	b	2	c.bc	7.2	41	32	0.20
	Wick	29.85	37	NW	2	bc	29.98	+.35	36	35	− 1	WNW	3	b	1	shp.bc	*	44	31	0.11
	Nairn	29.92	37	W	1	c	30.10	+.37	38	36	+ 2	W	2	bc	1	c	*	44	32	0.01
	Aberdeen ...	29.91	37	NW	3	bc	30.10	+.40	39	35	+ 3	WSW	3	b	2	bcqrshp	9.1	47	32	0.04
	Leith	29.92	42	W	2	b	30.16	+.40	37	34	− 5	WSW	2	b	*	b	*	53	32	—
	Shields	29.92	42	E	1	c	30.18	+.42	35	32	− 8	NNW	2	b	2	c	*	46	29	—
	Spurn Head ...	29.94	42	ENE	3	0	30.14	+.36	41	39	− 1	NW	3	b	3	0	*	45	36	—
	York	29.93	46	W	1	c	30.20	+.41	35	33	− 9	NNW	1	b	*	c	0.6	50	30	—
	Loughborough ...	29.95	45	NW	1	0	30.17	+.39	33	31	− 17	WNW	1	bw	*	r.c.0.bc	*	50	30	0.17
	Ardrossan ...	29.97	43	NW	3	bc	30.20	+.40	43	41	0	2	0	bc	0	bc	*	47	33	—
	Malin Head ...	30.02	42	NNW	5	bchq	30.27	+.43	42	38	0	NNW	3	b	2	bchq	*	44	38	0.01
	Belmullet ...	30.15	45	N	3	b	30.30	+.35	43	40	0	NNW	1	b	*	b	*	50	35	0.01
	Donaghadee ...	30.04	44	NW	6	bc	30.23	+.38	43	40	0	NNE	5	b	4	bc	*	48	36	0.02
	Liverpool (Bidston)	29.99	43	NW	3	0	30.21	+.37	39	35	− 4	N	1	b	1	r.0	*	45	34	0.01
	Holyhead ...	30.01	44	N	4	c	30.22	+.38	42	37	− 1	NNE	3	b	2	c	*	45	37	0.06
	Parsonstown ...	30.06	46	NW	1	bc	30.29	+.39	32	31	− 11	2	0	b	*	bc	1.1	48	28	—
	Valencia ...	30.05	47	NNE	5	bcq	30.29	+.43	42	38	− 3	NE	2	b	3	0q.bcq	2.3	49	37	—
	Roche's Point ..	30.02	43	E	2	c	30.27	+.42	38	36	− 11	N	3	b	3	r.c	*	48	36	0.25
	Pembroke (St. Ann's Hd.)	29.90	43	NE	4	r	30.19	+.36	41	38	− 8	ENE	3	b	3	r	0.0	49	38	0.25
	Scilly	29.90	51	SSW	3	0	30.11	+.18	45	41	− 6	NE	5	cp	4	c.0	1.2	55	40	0.04
	Prawle Point ...	29.93	49	SW	4	c	30.11	+.15	40	38	− 9	NE	5	0	4	c.rm	*	50	38	0.12
	Jersey (St. Aubin's)	29.98	50	SSW	3	0q	30.02	−.04	45	40	− 4	NE	4	op	3	oq.dd	*	51	44	0.02
	Hurst Castle ...	29.92	48	WSW	4	om	30.09	+.14	43	42	− 5	NE	3	bcm	2	om.om	*	52	41	0.04
	Dungeness ...	29.90	47	WSW	4	c	30.06	+.14	43	41	− 4	NNE	3	c	2	bc.c	*	52	40	0.03
	North Foreland	29.94	42	NNE	4	r	30.07	+.15	42	41	− 9	N	2	b	2	r	*	58	38	0.07
	London (Brixton) ...	29.94	44	NE	3	or	30.10	+.21	40	38	− 12	NE	2	m	*	c.or.bc	0.0	56	38	0.17
	Oxford	30.00	39	NE	2	r	30.15	+.28	37	34	− 13	N	2	bc	*	o.r.c	*	51	33	0.09
	Cambridge ...	29.97	42	N	1	dm	30.14	+.31	34	33	− 18	N	2	b	*	dm	0.0	56	30	0.13
	Yarmouth ...	29.92	44	N	1	od	30.10	+.33	42	40	− 10	N	3	bc	3	odp	*	54	37	0.05
Germany & Holland.	Cuxhaven ...	29.80	41	WNW	5	0	29.93	+.27	41	41	− 4	WNW	3	b	*	o.r	*	45	37	0.08
	Berlin	29.80	45	W	3	r	29.92	+.17	40	38	− 10	W	3	o	*	r	*	52	44	0.25
	Wiesbaden ...	*	*	*	*	*	29.94	−.07	50	46	0	NW	2	o	*	*	*	57	47	—
	Munich... ..	29.98	50	NE	3	b	29.97	−.13	43	43	− 1	E	2	o	*	b	*	57	44	0.04
	The Helder ...	29.91	42	NW	1	0	30.05	+.30	41	39	− 4	NW	1	b	2	o	*	46	39	—
Belgium.	Brussels ...	*	*	*	*	*	30.07	+.08	38	37	− 9	NE	2	o	*	o	*	50	36	0.08
	Cape Gris Nez...	?	47	WSW	4	w	?	?	42	40	− 6	ENE	3	o	3	w	*	50	37	—
	Paris	30.02	51	SW	2	bc	29.98	−.11	46	45	− 3	NE	2	c	*	bc	*	53	46	—
	Brest	29.97	50	SSW	1	0	29.99	.00	47	46	− 2	ENE	1	o	1	o	*	52	45	—
	Lorient... ...	29.99	48	SW	2	0	29.98	−.10	47	47	− 1	NNE	1	o	4	o	*	57	45	—
France &	Rochefort ...	30.08	50	WNW	3	0	29.93	−.23	48	46	− 1	NE	3	o	*	o	*	?	?	—
	Belfort	30.00	45	W	2	b	29.95	−.16	41	41	− 2	ENE	2	f	*	b	*	52	36	?
	Lyons	30.02	51	SE	1	b	29.97	−.19	42	42	− 4	NE	1	b	*	b	*	58	40	—
	Nice	30.07	50	S	2	0	30.03	−.05	47	47	+ 1	2	0	b	0	0	*	59	46	—
	Perpignan ...	30.03	54	NE	1	0	29.94	−.18	52	52	+ 9	2	0	o	*	o	*	59	43	—
	Biarritz ...	29.94	55	NNE	3	b	29.89	−.15	53	52	+ 11	WSW	4	o	4	b	*	64	42	—
Peninsula.	Corunna ...	30.05	55	W	4	bc	29.91		55	52		NW	2	o	3	bc	*	57	46	—
	Lisbon	29.98	53	N	4	b	29.91	−.20	53	50	0	ENE	3	b	*	b	*	70	48	—
	Azores (P. Delgada)	30.19	55	NE	4	bc	30.13	−.08	54	50	− 5	NE	4	c	2	bc	*	68	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 0.8 hrs;

WEATHER CHARTS

FOR SUNDAY, 20TH MARCH, 1898

BAROMETER, WIND AND SEA.

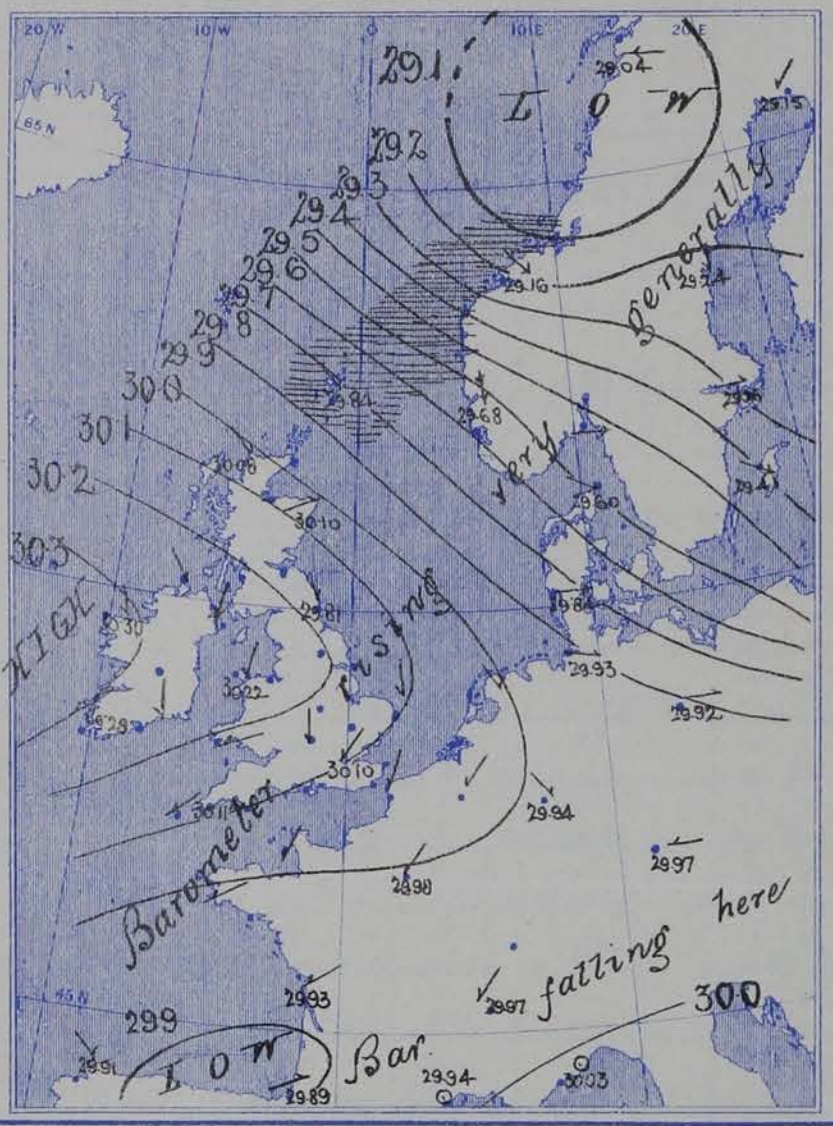
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▩

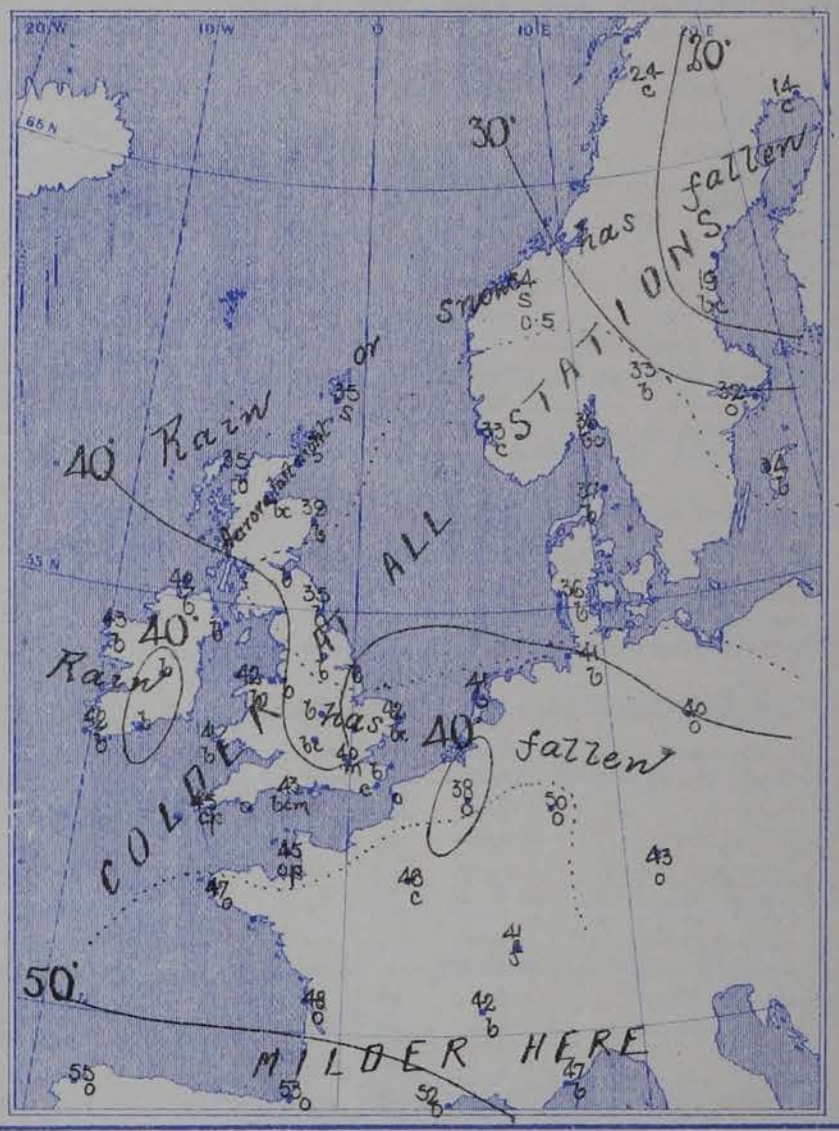


TEMPERATURE & WEATHER.

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, (1) 30·30 ins: at Holmsllet, and ranging from that value to 30·1 ins: in a "ridge" spreading in from the Atlantic across Ireland and G. Britain, (2) 30·0 ins: and more over the Riviera.
Lowest, (1) Below 29·1 ins: in a depression lying over the north of Norway, and apparently in another over Finland; (2) Below 29·9 ins: in a third depression over the North of Spain.
Gradients moderate to slight for NW. to NE. winds over our Islands, steep for NW. and W. winds over the southern parts of Scandinavia.
Barometer rising over the United Kingdom generally – most in the north and west, but not very steadily anywhere.

TEMPERATURE

Highest, 55° at Coruna, 53° at Biarritz, 52° at Perpignan, 47° at Nice, 46° at Paris, 45° at Jersey and Scilly, 43° to 42° at most of the Irish coast stations.
Lowest, 14° at Haparanda, 19° at Tromsoe, 32° at Stockholm and at Parkeston; 33° to 37° over Central England, 35° to 39° at the Scotch stations.
Maxima as high as 55° to 58° were recorded over our southern counties on Saturday, but nothing above 50° in the north except at Leith; at Nairn and Wick the maxima were only 44°. During the afternoon and evening the sudden fall of temperature previously recorded over the northern districts reached our southern counties also.

WIND

(1) W. and NW., moderate to light, at the stations in Scotland and the north of Ireland, NE. to N. fresh to light over England and the southern half of Ireland, and moderate to light over France; (2) NW., a strong gale on the Norwegian coast, W. moderate, over the south of Sweden, NE. to E. over Lapland.
It blew a gale at the Scilly Islands during the night.

WEATHER

(1) Fair over the United Kingdom except at Scilly and the Channel Islands, where showery weather prevails; (2) Fair over Sweden, unsettled over Norway, with snow at Christiansund; (3) Very variable over France.
Cold rain, sleet or snow has fallen over the greater part of our Islands, as well as over Sweden, the Baltic, Germany, and the Netherlands but not over France. Aurora was seen in Scotland at night.
Bright Sunshine recorded yesterday ranged from 1·1 hrs at Parkeston to 9·1 hrs at Aberdeen; at Cambridge, London, Pembroke there was none.

SEA

Rough on the west coast of Norway and at Spurnhead, moderate to slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 21st March 1898

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 9·30 am to districts 0, 1, and 6 to 10 "Lower Cone"

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.50	36	32	NW	7	c	3
Sumburgh Head	29.58	36	34	NNW	4	c	5
Stornoway	29.84	38	36	NW	5	c	5
Aberdeen	29.81	40	38	NW	6	bcrshpq	3
Shields	29.88	43	38	NE	3	bc	2
Ardrossan	29.93	47	43	W	4	b	3
Malin Head ...	29.98	43	40	NNW	4	b	3
Belmullet	30.09	47	41	N	4	b	*
Holyhead	29.96	45	40	NNE	3	c	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.97	47	42	NE	6	oq	5
Scilly	29.92	54	52	SSW	4	c	4
Jersey	30.02	54	46	SW	4	c	3
Hurst Castle ...	29.94	51	46	SW	4	c	3
Dungeness ...	29.90	50	48	WSW	5	bc	4
North Foreland	29.90	51	50	SW	4	o	3
London (Westminster)	29.89	51	51	W	2	o	*
Yarmouth ...	29.88	45	44	N	3	odp	4
Rochefort ...	30.14	52	50	NW	2	o	*

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

Weather in morning fine at most of our ocean northern stations, but snow falling in the Shetlands and Hebrides. Fine also over Italy, the Spanish Peninsula, and the extreme south of France; cloudy or dull elsewhere, with rain in many parts of England and the south of Ireland, and snow at some of the Scandinavian and northern Russian stations. Rain falling later over nearly the whole of Ireland, England, and the neighbouring parts of the Continent, and snow in the north of Scotland.

Temperature fallen quickly over Ireland and the northern parts of Great Britain, and to a less extent on the west coasts of France and Norway, even in most other localities. Morning readings highest 61° at Algiers, 58° at Barcelona, and 57° at Palermo and Malta; above 50° over the Mediterranean, Adriatic and Spanish coast stations generally, as well as at the Scilly Islands. Lowest −9° F. at Kharkov, −1° at Archangel, +6° at Kiev and 12° at Nicolaieff; below the freezing point over the northern parts of Scandinavia, and very little above it in the north of Scotland. Rising during day to 50° and upwards in many parts of the United Kingdom and to 58° at the North Foreland; exceeding 55° also over the southern parts of France and Germany, and reaching 64° at Biarritz and 70° at Lisbon.

Wind moderate to strong from the N.W. or N.N.W. over Ireland, the northern parts of Great Britain and the west of Norway, but from the S.W. over the south of England and the Netherlands. W. over Denmark the south of Sweden, and the greater part of Central Europe, with a gale at several of the Baltic stations; strong to a gale from the S.E. over northern Russia, and from the E. in the north of Scandinavia. Variable over Italy, the Adriatic, and the south of France, E. or N.E. over the Spanish Peninsula and the south-west of France. Subsequently shifting to the N.E. in the south-east of England.

Barometer highest 30·2 in. and upwards over Russia; 30·1 in. and upwards, in an anticyclone covering nearly the whole of France, Spain and the western parts of the Mediterranean, as well as in another system over Russia. Lowest 28·9 in. and less, in a depression off the north-west of Norway; 29·0 in. and less, in another disturbance over the southern parts of the Gulf of Bothnia; 29·9 in. and less, in a secondary system over the south-west of our Islands. Depressions in north subsequently moving eastwards; secondary system passing south-eastwards gradually filling up.

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, 21st March, 1898.

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 ...	29.33	12	SW	0	b	29.36	+.21	13	12	-1	ENE	2	b	m	b	*	18	7	0.04
	Hernösand ...	29.30	22	E	4	S	29.35	+.11	22	21	+3	SW	0	S	*	S	*	25	14	0.12
	Stockholm ...	29.39	34	SW	0	b	29.43	+.17	30	28	-2	W	2	b	*	b	*	41	28	-
	Wisby	29.52	36	W	4	b	29.52	+.11	34	31	0	NNW	6	bc	*	b	*	37	32	-
	Karlstad ...	29.50	32	W	2	b	29.53	+.12	33	28	0	W	4	0	m	b	*	*	*	-
	Bodö	29.13	23	E	6	b	29.33	+.29	21	18	-3	ENE	6	b	2	b	*	28	19	-
	Christiansund ...	29.45	35	NW	0	S	29.76	+.60	36	34	+2	NW	6	S	4	S	*	36	32	0.39
	Skudesnaes ...	29.81	36	NNW	6	c	29.86	+.18	34	32	+1	NNW	6	c	2	†S, c	*	36	30	*
	Færder (Christiania Fjord)	29.58	36	W	4	b	29.63	+.14	35	30	-1	W	4	bc	3	b	*	39	32	-
	Skagen (The Scaw)	29.66	36	NW	8	b	29.70	+.10	36	33	-1	NW	4	b	1	b	m	41	34	-
	Fanö	29.91	40	W	6	c	29.92	+.08	37	35	+1	WNW	4	c	*	c	*	41	34	0.04
British Islands.	Sumburgh Head	29.87	38	NNW	3	0	29.88	+.14	36	33	+1	N	2	0	4	0	*	40	33	0.08
	Stornoway ...	30.07	42	NNW	4	b	30.12	+.04	38	38	+3	W	2	c	2	chrp, b	6.7	46	33	0.20
	Wick	30.01	39	NW	3	bc	30.06	+.08	38	36	+2	WNW	4	bc	2	bc	*	46	35	0.02
	Nairn	30.07	42	NNW	2	c	30.13	+.03	40	39	+2	WNW	1	c	1	c	*	47	33	-
	Aberdeen ...	30.06	43	W	4	cq	30.13	+.03	41	39	+2	WNW	3	bc	2	cq, p	6.3	45	35	0.01
	Leith	30.12	48	W	2	b	30.17	+.01	41	38	+4	W	2	c	*	b	*	50	35	-
	Shields	30.16	45	NNW	2	b	30.18	.00	41	39	+6	NNW	3	c	2	b	*	48	33	-
	Spurn Head ...	30.17	41	SSE	2	b	30.18	+.04	38	37	-3	NNW	4	b	4	b	*	45	36	-
	York	30.18	45	N	1	b	30.20	.00	38	35	+3	W	1	b	*	b	10.2	49	31	-
	Loughborough ...	30.21	45	WSW	1	bc	30.24	+.07	29	28	-4	NW	1	bm	*	b, bcm	*	50	27	-
	Ardrossan ...	30.17	45	NNW	2	bc	30.18	-.02	47	45	+4	NNW	1	bc	0	bc	*	49	40	-
	Malin Head ...	30.24	42	NNW	4	bcp	30.21	-.06	42	42	0	WSW	3	bcp	2	b, cp	*	46	40	0.09
	Belmullet ...	30.31	?46	NW	1	b	30.27	-.03	41	39	-2	WSW	2	b	*	bc, b	*	?47	35	0.01
	Donaghadee ...	30.24	46	NW	4	bc	30.26	+.02	40	39	-3	W	4	bc	2	bc	*	49	33	-
	Liverpool (Bidston)	30.24	44	NNW	2	b	30.24	+.03	42	39	+3	W	2	b	2	b	*	44	36	-
	Holyhead ...	30.26	42	N	2	b	30.25	+.03	45	42	+3	NW	2	bc	1	b	*	45	36	-
	Parsonstown ...	30.27	46	NW	1	bc	30.27	-.02	33	31	+1	SW	0	b	*	bc	8.5	48	28	-
	Valencia ...	30.27	46	NNE	3	bc	30.26	-.03	40	36	-2	ENE	2	b	2	bc	0.9	48	30	-
	Roche's Point ..	30.26	48	ESE	3	b	30.29	+.02	37	36	-1	ENE	2	b	2	b	*	51	34	-
	Pembroke (St Ann's Hd.)	30.22	43	ENE	3	b	30.26	+.07	40	36	-1	ENE	2	b	2	b	8.9	47	34	-
	Scilly	30.18	47	NNE	5	c	30.20	+.09	47	43	+2	ENE	3	c	2	b, c	8.6	50	41	-
	Prawle Point ...	30.17	45	NE	3	bc	30.23	+.12	40	38	0	NE	3	bcm	3	bcm	*	48	37	-
	Jersey (St. Aubin's)	30.10	47	S	5	bc	30.20	+.18	44	41	-1	ENE	5	b	4	0, bc	*	48	40	-
	Hurst Castle ...	30.16	45	E	2	c	30.23	+.14	35	34	-8	NE	1	bm	1	c	*	51	30	-
	Dungeness ...	30.14	43	NE	4	bc	30.21	+.15	35	34	-8	NNE	2	bm	1	bc	*	48	26	-
	North Foreland	30.19	41	NNW	3	b	30.23	+.16	39	37	-3	NNW	3	b	2	b	*	45	31	-
	London (Brixton) ...	30.19	44	ENE	2	bc	30.24	+.14	29	28	-11	SW	1	bf	1	c, bm, b	3.5	49	27	-
	Oxford	30.23	38	N	2	b	30.26	+.11	33	32	-4	SW	0	bf	1	b	*	51	24	-
	Cambridge ...	30.20	44	N	1	b	30.24	+.10	31	30	-3	SW	1	b	1	b	10.0	51	25	-
	Yarmouth ...	30.16	44	N	2	b	30.17	+.07	37	35	-5	W	2	bm	4	b	*	46	30	-
Germany & Holland.	Cuxhaven ...	30.04	41	NW	3	b	29.99	+.06	39	39	-2	W	5	r	1	b	*	46	37	-
	Berlin	30.02	41	W	2	b	30.03	+.11	36	34	-4	W	4	b	1	b	*	46	34	-
	Wiesbaden ...	*	*	*	*	*	30.16	+.22	33	32	-17	NE	2	b	1	*	*	52	30	-
	Munich... ..	-	-	-	-	-	30.07	+.10	32	32	-11	E	4	S	1	?	*	45	32	0.39
	The Helder ...	30.15	41	NW	1	b	30.14	+.09	42	40	+1	NNW	2	b	3	b	*	45	39	-
Belgium.	Brussels ...	*	*	*	*	*	30.21	+.14	37	36	-1	NE	1	b	1	b	*	49	30	-
	Cape Gris Nez...	?	42	E	3	b	?	?	37	35	-5	E	1	0	1	b	*	46	32	-
	Paris	30.08	45	NE	2	0	30.15	+.17	34	32	-12	NE	3	b	1	0	*	52	32	-
	Brest	30.07	46	E	2	c	30.14	+.15	39	37	-8	E	4	b	2	c	*	48	37	-
	Lorient... ...	30.02	45	NE	4	r	30.08	+.10	41	39	-6	ENE	4	b	1	r	*	50	39	-
France &	Rochefort ...	29.99	52	ENE	3	0	30.01	+.01	45	43	-3	ENE	4	0	1	0	*	55	43	-
	Belfort	30.00	42	E	3	r	30.03	+.08	34	33	-7	ENE	4	S	1	r	*	45	33	0.35
	Lyons	29.95	49	N	1	0	30.01	+.04	42	42	0	N	1	0	1	0	*	64	42	0.04
	Nice	29.96	50	W	0	0	29.91	-.12	48	47	+1	ENE	2	bc	1	0	*	57	43	-
	Perpignan ...	29.91	55	W	0	b	29.93	-.01	52	52	0	W	0	r	1	b	*	63	47	0.04
	Biarritz ...	29.86	54	N	4	b	29.89	.00	50	49	-3	NE	2	0	2	b	*	55	48	0.12
Penin-sula.	Corunna ...																*			
	Lisbon	29.79	53	NNW	4	b	29.76	-.15	52	50	-1	N	3	0	1	b	*	61	50	-
	Azores (P. Delgada)	30.07	54	NE	3	bc	30.01	-.12	53	48	-1	ENE	2	0	2	bc	*	61	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 11.4 hrs;

WEATHER CHARTS

FOR Monday, 21st March, 1898

BAROMETER, WIND AND SEA.

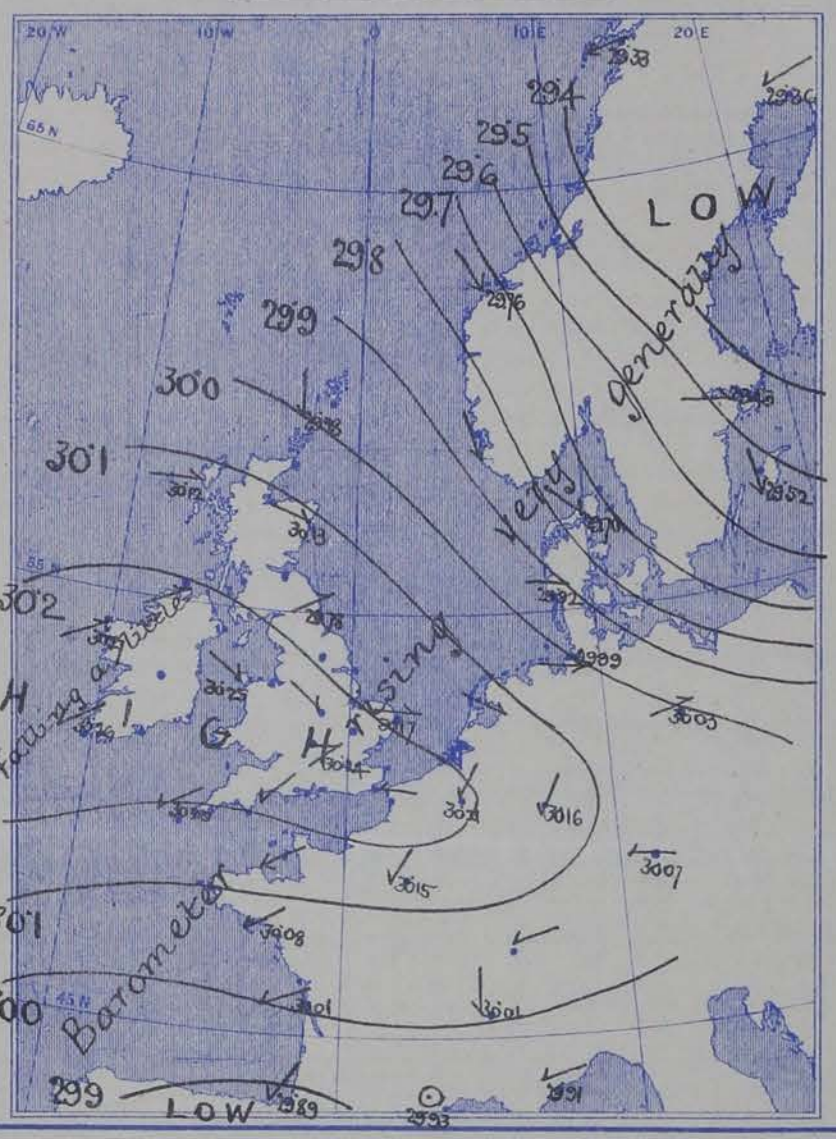
BAROMETER—Isobars are drawn for each tenth of an inch.

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*

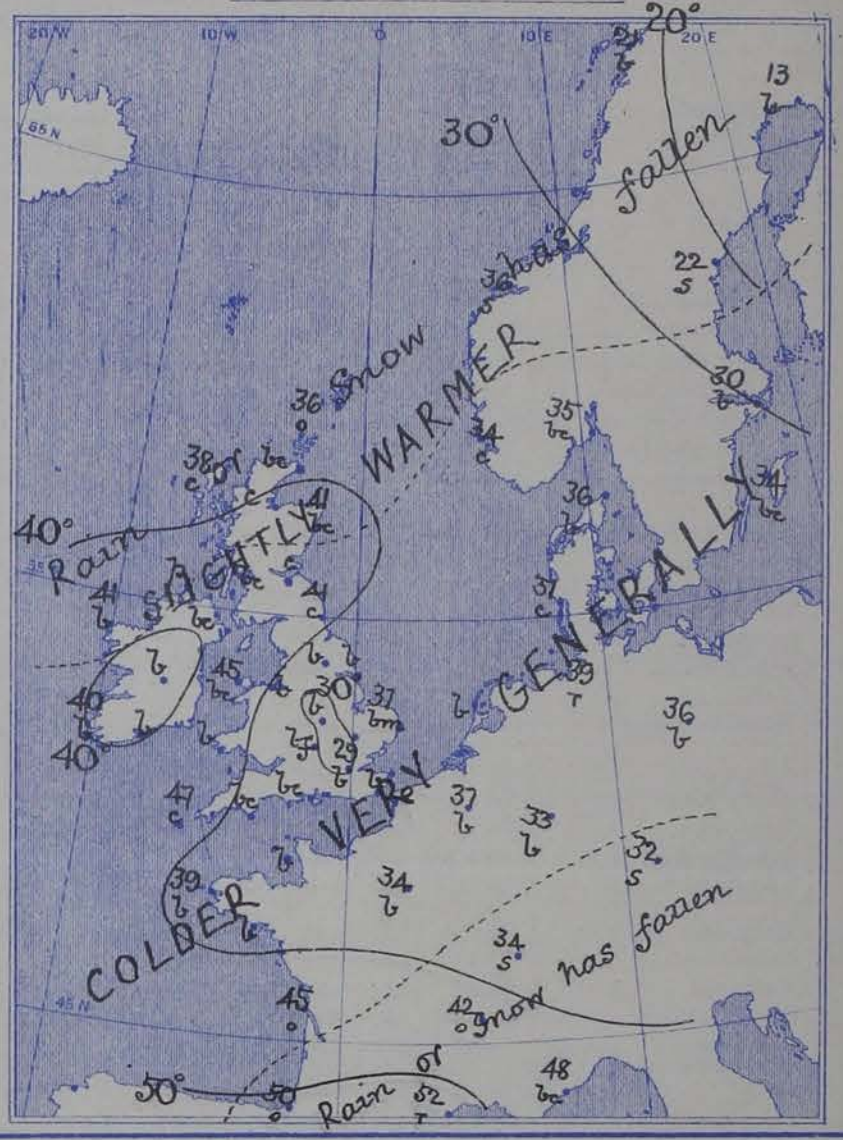


TEMPERATURE & WEATHER.

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 upwards, over Ireland, the greater part of England, and the northeast of France.
Lowest, 29·4 ins: and less, in a shallow depression over the northern parts of Scandinavia; 29·8 ins: and less, over Portugal.
Gradients slight generally, but moderate over Scandinavia, Denmark, and North Germany.
Barometer falling slightly on our western coasts, but rising elsewhere.

TEMPERATURE

Highest, (1) 52° at Perpignan and Lisbon, 50° at Biarritz, 48° at Nice, and 45° at Rochefort; (2) 47° at Scilly, and 44° at Jersey.
Lowest, 13° at Kajanaeda, 21° at Bodö, 22° at Haparanda, and 30° at Stockholm; lowest in our Islands 29° in London and at Loughborough.
Sharp frost occurred last night over the inland parts of England, the lowest readings reported being:—(1) In the screen 25° at Cambridge and 27° at Loughborough, London and Oxford; (2) On the grass 18° at Loughborough, 19° at Oxford and 22° in London.

WIND

W. or NW. over the northern and eastern parts of our Islands, as well as in Scandinavia, Denmark and North Germany; strong in force on the Norwegian coasts.
Light to moderate from the NE. and on our extreme south and southwest coasts, as well as in France and the Netherlands.

WEATHER

Fine over the United Kingdom generally, and also over the Netherlands and north of France, but foggy in London and at Oxford & showery at Malin Head.
Very changeable in other parts of our area, with rain or snow in several places.
A little rain fell yesterday in the extreme north and northwest of our Islands.

SEA

Slight or smooth generally, but high at Christiansund.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone over our Islands is inclined to move southeastwards, and further low pressure systems are apparently advancing towards our northwest coasts. Unsettled weather is therefore probable in the west and north.

FORECASTS

For the 24 hours ending at NOON on 22nd March, 1898

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W. and SW. winds; fair at first, some rain later.	6 SCOTLAND WEST	Same as No. 0
1 SCOTLAND EAST	W. to SW. winds, light; fair generally.	7 ENGLAND N.W.	Same as Nos. 1 and 2.
2 ENGLAND N.E.		8 ENGLAND S.W.	Light breezes, chiefly E.; fair generally.
3 ENGLAND EAST	Light Variable airs; fair generally but frosty and foggy at night.	9 IRELAND NORTH	SW. winds, freshening; cloudy, some rain.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	NE. winds, shifting later to the S.; fine at first, then cloudy and showery.
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 ...	29·77	35	34	NNW	7	0 T S	4
Sumburgh Head							
Stornoway	30·07	45	41	WNW	5	cph	4
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	30·22	46	43	WNW	3	b	2
Belmullet	30·30	? 47	? 42	NNW	1	bc	*
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia							
Scilly							
Jersey	30·09	49	44	ENE	6	0	4
Hurst Castle ...							
Dungeness ...	30·13	47	44	NE	4	bc	3
North Foreland	30·17	45	42	NE	3	b	3
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30·02	58	50	NNE	3	0	*

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

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 13TH TO THE 19TH MARCH 1898.

During this week the barometer was almost constantly highest over France, the Bay of Biscay, and Spain, lowest to the northward of the British Islands, the gradients being sometimes steep – more particularly over Scotland and Scandinavia. The dominant wind was consequently W. (SW to NW), the weather frequently showery, at the northern and western stations, and occasionally in the east and south also. The rainfall, however, was much below the mean, except in the extreme northwest of Scotland, the fall at Stornoway being more than 2 in.; while over the more eastern and southern regions it was less than an inch, and at Yarmouth it was only just a measurable quantity.

The changes of temperature were unusually well marked. Thus on the morning of Sunday the 13th the minima recorded in the screen were considerably below 32° over the inland parts of England, and while the highest of the subsequent maxima touched 54° at Cambridge and 52° at Oxford, those over the northern half of England did not exceed 50°, and Ireland and Scotland were rather colder. Day by day, however, the air became milder; on Wednesday the maxima ranged from 54° to 57° both over England and the east of Scotland, and on Friday the highest values were 52° to 54° at the Irish stations, 53° to 61° in the east of Scotland, and 60° to 63° over England – while frost in the early morning was absent except at some of the Scotch stations.

An abrupt change now took place – for with a shift of wind from SW to NW. (and in some places to N. and NE.) the thermometer fell very fast – first in the northern districts and later on in the south, so that by the close of the week cold N. (NW to NE) winds were prevalent all over the Kingdom, showers of cold rain, sleet or snow accompanying the change in most places.

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 MARCH 22ND. 1898.

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	10	X	0	b	29.59	+.23	7	6	−6	N	2	b	*	b	*	19	5	—
	Hernösand ...	29.52	14	X	0	o	29.65	+.30	14	11	−8	X	0	b	*	o	*	25	12	0.12
	Stockholm ...	29.48	34	W	4	b	29.58	+.15	23	22	−7	NE	6	b	*	b	*	39	23	0.12
	Wisby	29.58	34	N	4	b	29.55	+.03	35	32	+1	NNW	4	o	*	b	*	34	30	—
	Karlstad ...	29.60	34	W	4	b	29.66	+.13	35	30	+2	WNW	4	c	*	b	*	*	*	—
	Bodö	29.50	19	E	4	b	29.70	+.37	19	16	−2	E	6	b	1	b	*	25	16	—
	Christiansund ...	29.70	39	NW	6	o	29.80	+.04	34	33	+1	NNW	6	o	6	o	*	39	34	0.12
	Skudesnaes ...	29.97	37	NNW	6	c	29.96	+.10	36	34	+2	NNW	6	c	2	c	*	41	30	*
	Færder (Christiania Fjord)	29.71	36	WNW	4	b	29.75	+.12	34	31	+2	NW	4	b	2	b	*	41	34	—
	Skagen (The Scaw)	29.76	38	NW	4	b	29.80	+.10	38	36	+2	NW	3	b	0	b	*	43	36	—
	Fanö	29.95	37	WNW	6	b	29.97	+.05	38	34	+1	NW	6	c	*	b	*	43	34	—
	Sumburgh Head	30.07	39	NW	2	o	29.93	−.05	42	41	+6	W	1	c	3	c.o	*	43	35	0.05
	Stornoway ...	30.10	45	W	3	c	29.96	−.16	43	42	+5	SW	3	o	3	c	2.5	47	36	0.03
	Wick	30.10	42	NW	2	o	29.98	−.08	43	42	+5	NW	2	o	1	o	*	44	34	—
	Nairn	30.14	46	X	0	bc	30.03	−.10	42	40	+2	WNW	1	c	1	bc	*	48	36	0.01
	Aberdeen ...	30.16	42	N	1	c	30.03	−.10	43	39	+2	WSW	2	bc	1	c.q.c	3.5	47	34	—
British Islands.	Leith	30.16	49	W	3	o	30.11	−.06	41	40	0	W	1	o	*	o	*	36	39	—
	Shields	30.19	44	NE	1	c	30.13	−.05	43	41	+2	WSW	3	cm	2	c	*	46	33	—
	Spurn Head ...	30.15	43	NNE	2	b	30.15	−.03	41	39	+3	W	2	o	3	b.w	*	47	34	—
	York	30.19	51	W	1	b	30.13	−.07	36	35	−2	WSW	1	o	*	m.b	10.4	54	33	—
	Loughborough ...	30.20	46	WNW	1	c	30.20	−.04	31	30	+2	SE	1	cf	*	bcm.f	*	54	28	—
	Ardrossan ...	30.18	46	WNW	1	bc	30.11	−.07	44	42	−3	W	1	o	1	bc	*	50	42	—
	Malin Head ...	30.19	45	NNW	2	bc	30.08	−.13	43	41	+1	SSW	4	omg	2	bc	*	46	40	—
	Belmullet ...	30.20	46	WSW	3	b	30.11	−.16	47	45	+6	SW	4	c	*	b	*	53	40	—
	Donaghadee ...	30.22	46	SSE	3	c	30.15	−.10	38	34	−2	WSW	3	c	1	c	*	51	35	—
	Liverpool (Bidston)	30.24	43	S	1	b	30.19	−.05	40	34	−2	X	0	c	*	b	*	46	34	—
	Holyhead ...	30.24	43	NW	1	b	30.19	−.06	41	39	−4	S	1	cf	0	b	*	49	34	—
	Parsonstown ...	30.20	49	SE	1	b	30.17	−.10	36	33	+3	SE	1	c	*	b	9.2	52	30	—
	Valencia ...	30.20	48	S	1	bm	30.17	−.09	45	40	+5	SE	2	om	3	bc.bm	1.5	52	38	—
	Roche's Point ..	30.22	46	SE	2	b	30.23	−.06	40	38	+3	NNE	2	bc	2	b	*	50	35	—
	Pembroke (St. Ann's Hd.)	30.22	44	NE	2	b	30.19	−.07	40	39	0	ESE	2	bm	2	b	10.1	48	34	—
	Scilly	30.18	47	ENE	3	c	30.16	−.04	46	43	−1	ENE	1	c	0	c	9.9	51	42	—
	Prawle Point ...	30.20	42	ENE	2	b	30.18	−.05	42	39	+2	NNE	2	b	1	b	*	48	35	—
	Jersey (St. Aubin's)	30.15	46	ENE	3	b	30.16	−.04	45	42	+1	ENE	3	bm	3	c.b.w	*	49	39	—
	Hurst Castle ...	30.19	45	SW	1	bm	30.18	−.05	38	35	+3	NE	1	bm	1	bm	*	51	33	—
	Dungeness ...	30.17	43	X	0	b	30.17	−.04	38	36	+3	N	2	bc	1	bm.b	*	50	27	—
	North Foreland	30.21	41	S	1	b	30.21	−.02	42	40	+3	NNE	1	b	1	b	*	45	34	—
	London (Brixton) ...	30.19	46	NNE	1	b	30.20	−.04	33	31	+4	X	0	bf	*	be.b	2.4	50	28	—
	Oxford	30.22	39	N	1	b	30.21	−.05	31	31	−2	X	0	bf	*	b.m	*	52	29	—
	Cambridge ...	30.19	45	N	1	b	30.20	−.04	30	30	−1	N	1	bm	*	b	9.9	54	26	—
	Yarmouth ...	30.16	44	SW	2	b	30.16	−.01	38	34	+1	WNW	1	bf	4	b	*	45	32	—
Germany & Holland.	Cuxhaven ...	30.00	41	W	5	c	30.01	+.02	38	38	−1	NW	3	c	*	t.c.t	*	45	36	0.08
	Berlin	29.99	34	W	3	b	29.98	−.05	36	34	0	WNW	4	c	*	b	*	45	34	0.08
	Wiesbaden ...	*	*	*	*	*	30.12	−.04	36	34	+3	E	2	bc	*	*	*	48	33	—
	Munich... ..	30.10	32	SW	3	b	30.05	−.02	29	29	−3	E	1	b	*	b	*	36	27	0.12
	The Helder ...	30.14	42	NW	2	b	30.14	0.0	41	38	−1	NW	2	t	2	b	*	45	39	—
Belgium.	Brussels ...	*	*	*	*	*	30.17	−.04	36	36	−1	NNE	1	f	*	b	*	48	30	—
	Cape Gris Nez...	?	43	E	2	m	?	?	40	38	+3	E	1	b	1	m	*	50	34	—
	Paris	30.12	46	NNE	3	b	30.12	−.03	33	32	−1	NE	3	b	*	b	*	53	31	—
	Brest	30.09	46	NE	3	b	30.10	−.04	37	36	−2	ENE	3	b	2	b	*	54	34	—
	Lorient... ...	30.04	50	ENE	3	bc	30.08	0.0	37	37	−4	ENE	4	m	3	bc	*	52	36	—
France &	Rochefort ...	29.99	53	ENE	4	b	29.97	−.04	46	45	+1	NE	4	b	*	b	*	63	36	—
	Belfort	30.06	34	NE	2	m	30.06	−.03	33	30	−1	ENE	3	m	*	m	*	42	28	—
	Lyons	29.95	47	NNW	3	c	29.96	−.05	35	34	−7	N	2	o	*	c	*	49	35	—
	Nice	29.82	52	E	4	c	29.72	−.19	52	47	+4	X	0	bc	2	c	*	59	46	—
	Perpignan ...	29.80	55	X	0	o	29.80	−.13	50	47	−2	X	0	o	*	o	*	61	48	—
	Biarritz ...	29.84	52	NW	4	o	29.83	−.06	49	46	−1	N	3	o	2	o	*	54	46	—
Peninsula.	Corunna ...																*			
	Lisbon	29.79	55	WSW	2	bc	29.86	+.10	53	52	+1	NW	3	f	*	t.bc	*	64	50	0.16
	Azores (P. Delgada)	29.97	54	SSE	3	bc	29.89	−.12	58	53	+5	SSE	4	o	4	bc	*	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 9.2 hrs;

WEATHER CHARTS

FOR Tuesday, 22nd March, 1898

BAROMETER, WIND AND SEA.

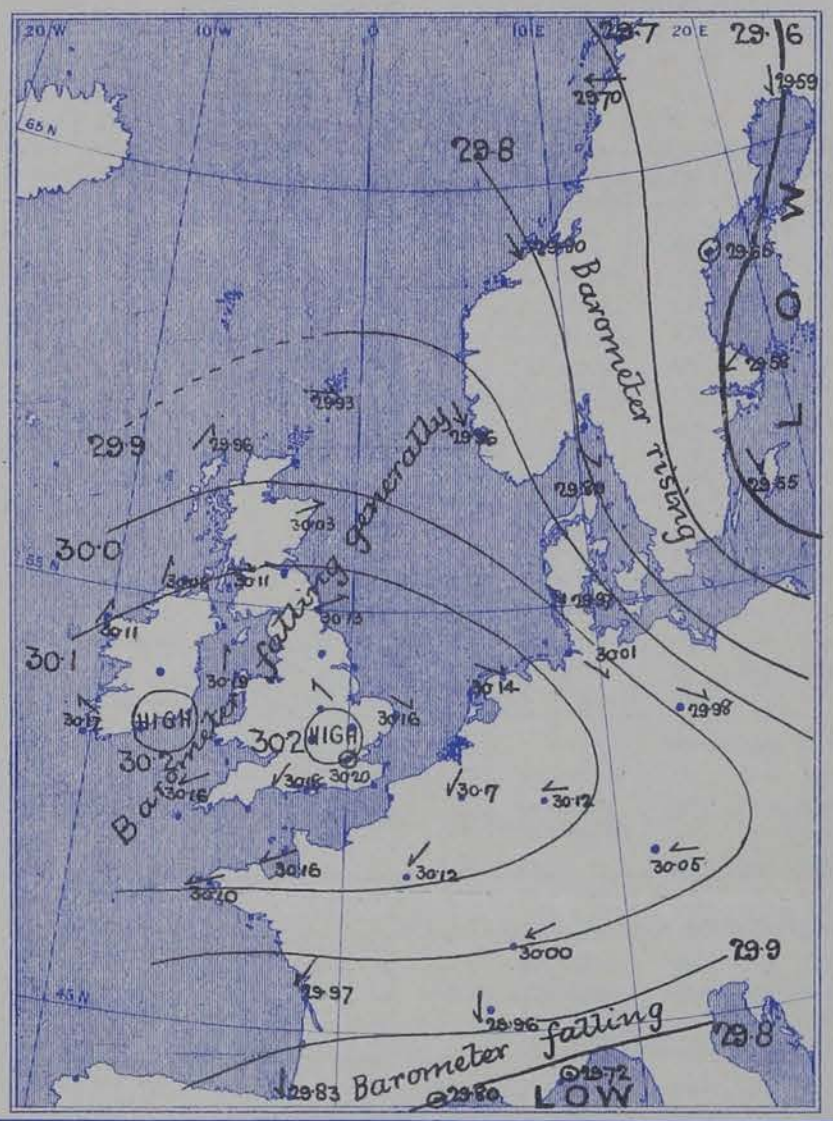
BAROMETER—Isobars are drawn for each tenth of an inch.

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*

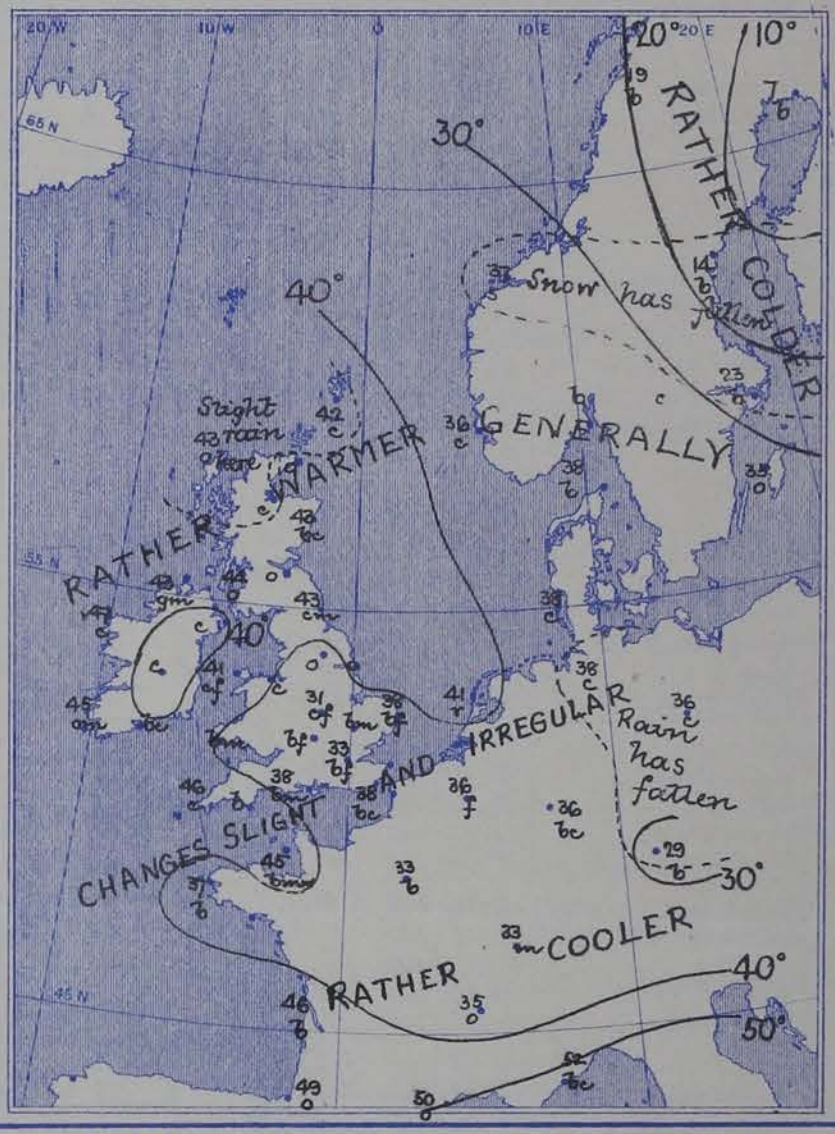


TEMPERATURE & WEATHER.

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 30.23 ins. at Rockes Pt.; 30.21 ins. at Oxford, 30.0 ins. and upwards in an anticyclone covering nearly the whole of our Islands, the Netherlands, Germany and the Nn. half of France.
Lowest 29.6 ins. and less over the Gulf of Bothnia and the Nn. part of the Baltic; 29.8 ins. and less in the extreme south of France.
Gradients slight. Barometer rising in Scandinavia and Denmark, and also in the N. of France; falling elsewhere, – most in the N. of Scotland.

TEMPERATURE

Highest (1) 53° at Lisbon, 52° at Nice, 50° at Perpignan, and 49° at Biarritz; (2) 47° at Belmullet and 46° at Delly, 30° at Cambridge
Lowest (1) 7° at Haparanda, 14° at Herrösand, and 19° at Bodö; (2) 29° at Munich; (3) 31 at Loughborough & Frost was again experienced last night over the inland parts of England, the lowest temperatures Oxford reported being; – (1) In the screen 26° at Cambridge, 28° in London and at Loughborough, and 29° at Oxford; (2) On the grass 20° in London, 22° at Loughborough, and 23° at Oxford.

WIND

Light from the Nn. or NEn. over France and our own southern coasts.
Calm or variable over the central parts of the United Kingdom; light to moderate from the Wn. or SWn. on our northern coasts.
Moderate to strong from the NWn. over Scandinavia, Denmark and N. Germany.

WEATHER

Fair or fine over Wn. Europe generally, but foggy in several parts of England, and also at Brussels and Lisbon
Dull on our extreme Wn. and Nn. coasts, as well as in the S. of France; snow reported at Christiansund
Slight rain fell yesterday in the N. of Scotland and also in Germany, and snow at several of the Scandinavian stations. A solar halo was seen at Skarnaway.

SEA

Slight or smooth generally, but rough at Christiansund.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are some indications of the advance of a depression towards the north of Scotland, and the wind is therefore likely to freshen from the westward on our northern coasts, with rain or snow. In the south the weather will probably remain fair and dry for the present.

FORECASTS

For the 24 hours ending at NOON on 23RD MARCH 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SWn. to Wn. winds, freshening, fair at first, unsettled later, with snow or cold rain.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Wn. winds, light or moderate, fair generally.
3	ENGLAND EAST	Variable breezes, finally Wn.; fair generally, but foggy in places.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as No. 2.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Light breezes, chiefly En.; fair generally.
9	IRELAND NORTH	SWn. to Wn. winds, freshening; dull, some rain.
10	IRELAND SOUTH	Light breezes, chiefly Sn.; fair generally.
	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	40	38	NNW	6	c	2
Sumburgh Head	30.00	40	36	NNW	3	c	4
Stornoway	30.12	47	44	W	3	c	3
Aberdeen	30.15	46	40	NW	4	cq	3
Shields	30.18	48	42	NNW	3	c	2
Ardrossan	30.19	49	47	S	0	bc	0
Malin Head ...	30.21	46	44	WNW	3	bc	2
Belmullet	30.24	50	43	SW	2	b	*
Holyhead	30.26	48	44	NW	2	b	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.21	51	44	NE	3	bc	3
Scilly	30.20	50	46	E	3	c	2
Jersey	30.19	49	44	E	4	b	3
Hurst Castle ...	30.20	51	45	ESE	1	bm	1
Dungeness ...	30.18	47	46	SSE	1	bm	1
North Foreland	30.21	41	40	WNW	1	b	1
London (Westminster)	30.20	50	41	NE	1	bv	*
Yarmouth ...	30.16	45	42	NNE	3	b	3
Rochefort ...	30.02	57	52	NE	4	b	*

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

Weather in morning fine over the United Kingdom generally, and also over the Netherlands and the N. of France, but foggy in London and at Oxford and showery at Malin Head. Cloudy or dull over the greater part of the Continent, with rain at Cuxhaven, Perpignan and Madrid, as well as at Nicolaieff; snow falling in several parts of Scandinavia and N.W. Russia, and also at Swinemunde, Munich and Belfort. A little rain falling later in the N. of Scotland; solar halo seen at Stornoway.

Temperature rising a little in the northern parts of Gt. Britain and the west of Norway, fallen in most other localities. Morning readings highest 61° at La Calle, 60° at Algiers, and 59° at Sfax, above 55° at several of the Mediterranean and Adriatic stations. Lowest 11° at Knopio, 13° at Haparanda, 14° at Ulealborg, and 15° at St. Petersburg; below the freezing point in most parts of N.W. and E.N.E. Europe, as well as over central England. Rising during day to 50° and upwards at many of the English and Irish stations, and to 56° at Leith, exceeding 55° also in the S. of France, and reaching 61° at Perpignan. Sharp frost occurring over the inland parts of England at night.

Wind light to moderate from the N.E.wd. or E.wd. over France, the Spanish peninsula and our own southern coasts - W.ly or N.W.ly in the north and east of our islands and also over the greater part of northern Europe, and strong in force on the Norwegian coasts, light from the S.wd. or S.E.wd. over Italy and the Adriatic. No important change occurring over western Europe during day.

Barometer highest 30.2 ins. and upwards over Ireland, England and the N. of France; 30.0 ins. and upwards in an anticyclone lying over the whole of our Islands and the N. of France, and extending E.wds. over the W.rn and S.rn parts of Germany. Lowest 29.3 ins. and less in a depression over Finland; 29.7 ins. and less in another disturbance over Algeria and the S. of Spain. Scarcely any change occurring 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 Wednesday, 23rd March, 1898.

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	9	N	2	b	29.81	+.22	23	22	+16	NE	4	bc	*	b	*	?	1	0.05
	Hernösand ...	29.73	7	2	0	b	29.77	+.12	7	6	-7	2	0	bc	*	b	*	25	5	-
	Stockholm ...	29.73	19	2	0	b	29.74	+.16	19	18	-11	NW	2	bc	*	b	*	34	18	0.04
	Wisby	29.71	27	N	4	s	29.70	+.15	26	24	-9	SE	4	c	*	s	*	36	25	-
	Karlstad ...	29.66	35	N	2	c	29.71	+.05	26	25	-9	ENE	2	o	*	c	*	*	*	-
	Bodö	29.83	21	E	2	b	29.96	+.26	18	15	-1	E	4	b	1	b	*	27	16	-
	Christiansund ...	29.79	35	N	5	bc	29.80	.00	35	32	-2	N	3	s	5	bc	*	37	30	0.24
	Skudesnaes ...	29.89	39	NNW	4	o	29.84	-.12	33	31	-3	N	6	c	2	o	*	?	30	*
	Færder (Christiania Fjord)	29.72	37	NNW	2	b	29.71	-.04	35	28	-2	N	2	bc	2	b	*	43	32	-
	Skagen (The Scaw)	29.74	37	NNW	2	b	29.69	-.11	36	33	-2	NE	1	b	0	b	*	43	34	-
	Fanö	29.88	40	NNW	4	o	29.71	-.26	39	38	+1	NW	4	c	*	o	*	43	37	-
British Islands.	Sumburgh Head	29.84	42	2	o	r	29.96	+.03	36	34	-6	N	3	b	4	o.r	*	47	34	0.20
	Stornoway ...	29.80	48	NW	3	o	30.03	+.07	42	41	-1	NNE	4	c	4	r.o	0.0	48	39	0.06
	Wick	29.77	41	SW	1	r	29.99	+.01	40	40	-3	NE	3	p	3	r	*	45	39	0.06
	Nairn	29.85	47	NW	3	c	29.97	-.06	42	42	0	NNE	3	o	3	c	*	48	39	0.11
	Aberdeen ...	29.90	44	S	1	ogr	29.90	-.13	42	40	-1	NNE	6	cqp	5	c.o q.r	2.2	52	40	0.19
	Leith	29.97	47	W	3	o	29.88	-.23	43	41	+2	NE	4	o	*	o	*	50	40	0.02
	Shields	30.02	47	WSW	2	om	29.73	-.40	45	45	+2	N	4	o	3	om.r	*	52	41	0.03
	Spurn Head ...	30.04	44	NNW	3	b	29.62	-.53	43	43	+2	NNW	5	r	4	bc.m	*	49	37	0.05
	York	30.08	47	W	1	b	29.69	-.44	47	46	+11	NW	2	r	*	bc	3.9	52	34	0.04
	Loughborough ...	30.09	48	NW	1	bc	29.78	-.42	41	40	+10	W	5	oqu	*	c.bc.op	*	55	31	0.01
	Ardrossan ...	30.01	46	SW	2	om	29.87	-.24	46	44	+2	NE	3	c	2	om	*	47	42	-
	Malin Head ...	30.00	47	SSW	5	ogm	29.93	-.15	44	43	+1	NNW	6	cpm	4	o.gm	*	49	40	0.03
	Belmullet ...	30.10	49	WSW	4	o	30.06	-.05	48	47	+1	N	3	o	*	o	*	52	45	0.03
	Donaghadee ...	30.08	49	WSW	3	c	29.88	-.27	48	47	+10	NNW	6	c	4	c	*	52	36	-
	Liverpool (Bidston)	30.12	43	NNW	1	b	29.79	-.40	45	44	+5	W	7	r	5	b	*	48	40	0.04
	Holyhead ...	30.13	45	SW	1	b	29.86	-.33	47	46	+6	NW	5	c	3	b	*	49	39	-
	Parsonstown ...	30.12	48	SW	1	o	29.98	-.19	48	46	+12	NW	1	o	*	bc.o	7.6	53	35	-
	Valencia ...	30.16	48	SSW	1	bcm	30.10	-.07	51	49	+6	NW	3	cm	3	cm	3.3	57	39	-
	Roche's Point ...	30.16	48	SSW	2	b	30.03	-.20	48	46	+10	NNW	4	c	3	b	*	50	38	-
	Pembroke (St. Ann's Hd.)	†30.14	44	NNW	1	b	29.93	-.26	47	45	+7	NNW	4	r	3	b	10.1	49	39	0.02
	Scilly	30.12	48	NE	1	c	30.05	-.11	46	43	0	NW	3	c	2	c	7.4	52	42	-
	Prawle Point ...	30.13	45	SSW	1	bc	30.00	-.18	43	41	+1	NW	2	bm	1	bcm	*	51	36	-
	Jersey (St. Aubin's)	30.08	49	ENE	3	bm	30.02	-.14	44	42	-1	NW	1	bm	1	b.bmw	*	53	33	-
	Hurst Castle ...	30.11	46	SW	1	bm	29.93	-.25	40	38	+2	W	4	cm	2	bm	*	52	35	-
	Dungeness ...	30.10	44	ENE	1	bc	29.84	-.33	41	39	+3	WSW	3	c	2	b bc.f	*	49	29	-
	North Foreland	30.13	41	NNE	2	bc	29.86	-.35	38	36	-4	WSW	2	o	2	bc	*	45	35	-
	London (Brixton) ...	30.10	43	SSW	1	bm	29.85	-.35	37	35	+4	SW	2	c	*	f.bm.b	0.0	49	32	-
	Oxford	30.10	37	2	0	b	29.86	-.35	36	35	+5	WSW	2	ou	*	bc.bm	*	52	30	-
	Cambridge ...	30.10	46	NW	1	o	29.79	-.41	39	38	+9	SW	4	d	*	c.o	2.4	56	29	-
	Yarmouth ...	30.06	43	S	4	cq	29.73	-.43	38	37	0	WSW	3	cmr	4	bc.cg	*	44	34	0.01
Germany & Holland.	Cuxhaven ...	30.00	41	NW	4	c	29.76	-.25	40	40	+2	W	2	c	*	c	*	43	38	-
	Berlin	29.95	40	NW	2	o	29.82	-.16	37	36	+1	NNW	3	r	*	o	*	43	36	-
	Wiesbaden ...	*	*	*	*	*	29.92	-.20	33	32	-3	N	2	b	*	*	*	46	30	-
	Munich	30.02	34	NE	4	b	29.89	-.16	31	30	+2	E	2	b	*	b	*	45	28	-
	The Helder ...	30.06	41	WSW	1	c	29.74	-.40	43	41	+2	SW	2	o	2	c	*	45	41	-
Belgium.	Brussels ...	*	*	*	*	*	29.89	-.28	36	35	0	SSW	1	o	*	bc	*	47	30	-
	Cape Gris Nez ...	?	42	E	1	b	?	?	41	39	+1	W	1	m	1	b	*	50	36	-
	Paris	30.06	45	NE	3	b	29.91	-.15	42	42	-1	NNE	2	m	*	b	*	53	29	-
	Brest	30.06	47	E	3	b	30.04	-.06	37	36	0	ENE	1	b	1	b	*	57	34	-
	Lorient	30.03	49	NE	4	bc	30.02	-.06	46	43	+9	NE	4	b	3	bc	*	55	36	-
France &	Rochefort ...	29.97	55	ENE	5	b	29.99	+.02	37	36	-9	ENE	4	b	*	b	*	61	36	-
	Belfort	29.93	42	ENE	4	o	29.90	-.10	32	30	-1	ENE	2	m	*	o	*	49	30	-
	Lyons	29.88	49	NNW	2	b	29.92	-.04	35	33	0	N	1	bw	*	b	*	52	32	-
	Nice	29.71	53	2	0	b	29.74	+.02	50	43	-2	2	0	b	2	b	*	61	45	-
	Perpignan ...	29.76	58	NW	3	c	29.83	+.03	51	46	+1	NW	3	b	*	c	*	64	48	-
	Biarritz ...	29.88	50	W	4	o	29.89	+.06	50	47	+1	SW	5	o	4	o	*	52	48	-
Peninsula.	Corunna ...																*			
	Lisbon	29.92	54	NNW	4	b	29.94	+.08	54	51	+1	WSW	2	c	*	b	*	63	52	-
	Azores (P. Delgada)	29.84	59	SSE	5	c	29.75	-.14	59	58	+1	SSE	5	o	6	c	*	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 7.2 hrs;

WEATHER CHARTS

FOR Wednesday, 23rd March, 1898

BAROMETER, WIND AND SEA.

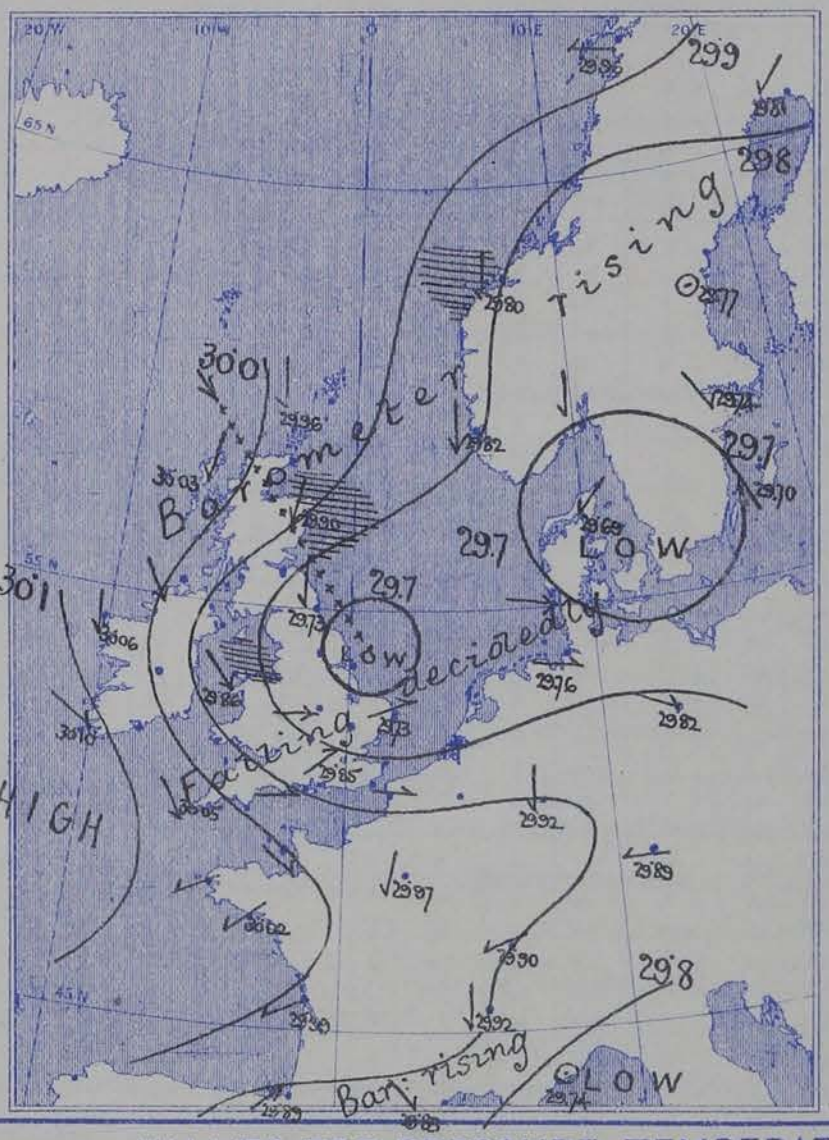
BAROMETER—Isobars are drawn for each tenth of an inch.

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

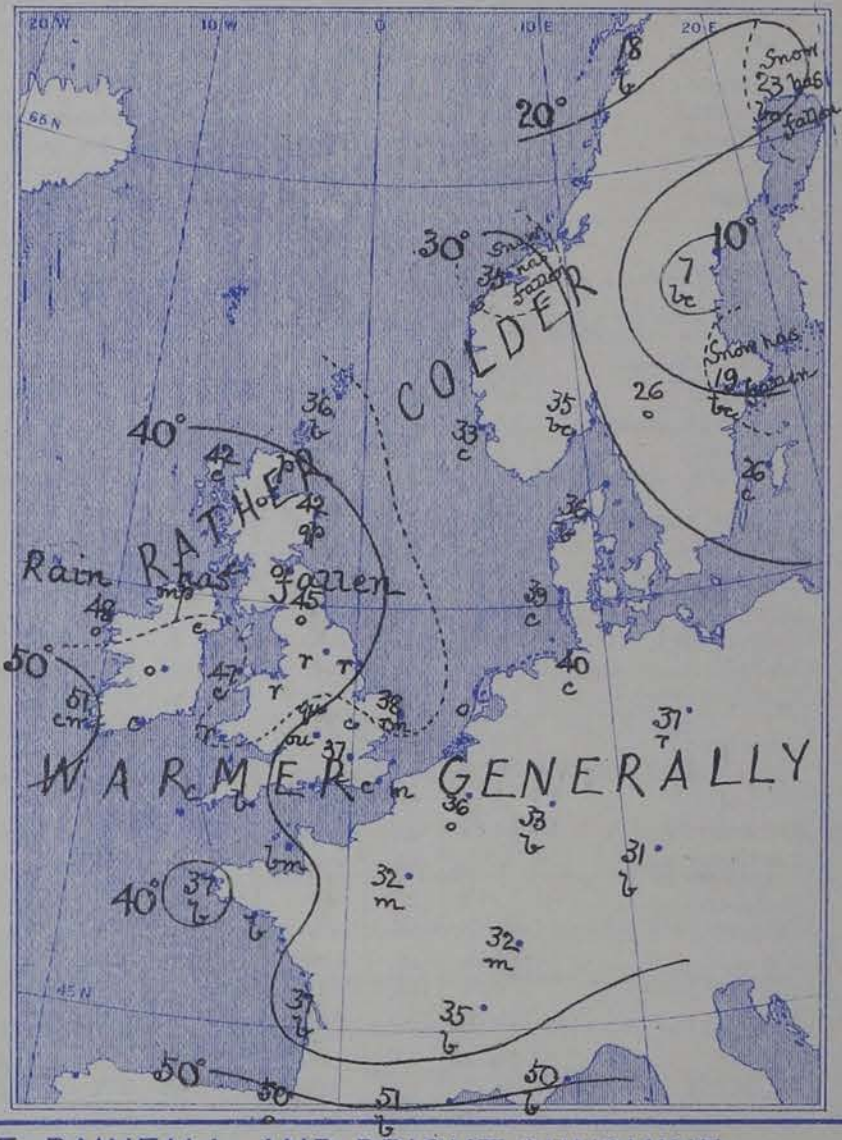


TEMPERATURE & WEATHER.

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 an area lying off the southwest of Ireland.
Lowest, 29·7 ins. and less, in a well marked depression with its centre off the northeast of England, and also in a shallower system over the south of Sweden.
Gradient moderate over our Islands, slight elsewhere.
Barometer rising briskly on our northern coasts, and to a less extent in Scandinavia and the south of France; falling elsewhere—most in the Netherlands and the southeast of England.

TEMPERATURE

Highest, (1) 54° at Lisbon and 51° at Perpignan; (2) 51° at Valencia (Ireland), and 48° at Belmullet, Donaghadee, Parsonstown and Rockabill.
Lowest, 7° at Hernösand, 18° at Bodö, 19° at Stockholm, and 23° at Hafavanda; lowest in our Islands 36° at Scumbugh Head and Oxford.
Frost occurred last night over the southern parts of England; on the grass the thermometer fell to 27° in London and to 24° at Oxford.

WIND

N^ly over the northern parts of our Islands and the west of Norway, and strong in force in many places.
Moderate from the NW^ds on our southwest coasts, and from the W^ds or SW^ds over the Netherlands and the central and southeastern parts of England.
NE^ly over the northern and central parts of France, but rather variable in the south of that country and also in Germany.

WEATHER

Cloudy or dull in all but the extreme southern parts of our Islands, with rain in the north and east of England and passing showers in several other localities.
Fine at most of the Continental stations, but dull in the Netherlands; snow is falling at Christiansund.
Since yesterday morning a little rain has fallen over the northern parts of our Islands generally. A solar halo was seen yesterday at Liverpool.

SEA

Rather rough at Aberdeen and Liverpool as well as at Christiansund, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off our northeast coasts appears to have advanced quickly from the eastward during the night. Its centre will probably move southwards, and in its rear the wind is likely to freshen considerably from the northward over England, with colder weather.

FORECASTS

For the 24 hours ending at NOON on 24^th^ MARCH 1898

DISTRICTS.		FORECASTS.
▽ 0	SCOTLAND NORTH	N^ly and NE^ly winds, strong to a gale in places; unsettled, some snow showers.
▽ 1	SCOTLAND EAST	
▽ 2	ENGLAND N.E.	N^ly winds, increasing in force; unsettled, some rain or sleet. Colder.
3	ENGLAND EAST	Wind veering to the N^wd and freshening considerably; unsettled, some rain or sleet. Colder.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
▽ 6	SCOTLAND WEST	Same as Nos. 0 and 1.
▽ 7	ENGLAND N.W.	NW^ly to N^ly strong winds or gales; squally showery, colder.
8	ENGLAND S.W.	NW^ly to N^ly winds, freshening; unsettled, some showers. Colder.
▽ 9	IRELAND NORTH	Same as No. 7.
10	IRELAND SOUTH	Same as No. 8.
	WARNINGS	At 7·20 pm yesterday to districts 0, 6, and parts of 1 and 9, and at 10 am today to districts 2, 7, and the remainder of 1 and 9 "Hoist North Cone."

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.94	40	36	nw	4	o	2
Sumburgh Head	29.89	45	43	w	1	o	3
Stornoway	29.89	47	47	Sw	3	r	3
Aberdeen	29.98	46	40	S	2	oq	1
Shields	30.07	51	44	w	3	o	2
Ardrossan	30.06	46	46	Sw	1	om	1
Malin Head ...	30.05	48	47	SSW	4	o	3
Belmullet	30.11	50	47	wsw	4	o	1 *
Holyhead	30.17	48	42	Sw	2	b	1 *

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.17	50	45	S	2	enw	3
Scilly	30.15	50	45	ENE	1	e	0
Jersey	30.12	51	45	E	4	b	3
Hurst Castle ...	30.15	50	45	SSW	2	bm	1
Dungeness ...	30.14	48	44	ENE	2	bm	1
North Foreland	30.16	45	41	NNE	2	bc	2
London (Westminster)	30.14	49	43	S	1	f	*
Yarmouth ...	30.11	43	41	SSE	4	bc	4
Rochefort ...	29.97	59	56	NE	5	b	*

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

Weather in morning fine over Western Europe generally, but foggy in several parts of England, as well as at Brussels and Lisbon. Fine in many parts of northern and central Europe, but rather changeable, with snow in a few places. Dull in Spain, Italy, and the south of France, with rain at Rome. A little rain falling later over all the more northern parts of our Islands; solar halo seen at Liverpool.

Temperature changed very irregularly. Morning readings highest 60° at Malta, 59° at La Calle, and 57° at Barcelona, slightly above 55° at several of the Mediterranean and Adriatic stations, and above 50° over southern Europe generally. Lowest 7° at Haparanda, 8° at Uleaborg, 11° at Helsingfors, and 13° at Haugö; below the freezing point in most parts of Russia and Scandinavia and also over Central England. Rising during day to 50° and upwards in most parts of the United Kingdom and to 56° at Cambridge; exceeding 60° in the south of France and reaching 64° at Perpignan. Fog occurring over the south of England at night.

Wind light from the W.ly or SW.ly over all the more northern parts of our Islands: strong from the NW.ly or the eastern shores of the North Sea, moderate to fresh from the same quarter or from W. over Germany and Austria; calm or light from the S.ly over Russia. Light to moderate from the NE.ly over the English Channel, France, Italy, and the Spanish Peninsula: fresh from the E.ly or SE.ly over the Baltic. No important change occurring during day, but, amid shifting to the N.ly on our northern coasts at night, and blowing strongly in places.

Barometer highest 30·23 in: at Rockenhurt, 30·0 in: and upwards, in an anticyclone embracing nearly the whole of our Islands, the Netherlands, Germany, and all the more northern parts of France. Lowest 29·5 in: and less, in a shallow depression over the Gulf of Finland; 29·6 in: and less, in another disturbance off the coast of Jutland. New depression appearing later off the north of Scotland and advancing quickly 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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DAILY WEATHER REPORT

for 8 a.m. on Thursday 24th March, 1898.

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 ...	30·15	28	NE	2	c	30·52	+ ·71	22	20	— 1	N	2	b	*	c	*	30	5	—
	Hernösand ...	29·98	19	NE	4	s	30·28	+ ·51	26	25	+ 19	NE	4	o	*	s	*	26	0	0·16
	Stockholm ...	29·84	14	2	0	b	30·07	+ ·33	14	13	— 5	2	0	b	*	b	*	28	10	0·04
	Wisby	29·78	24	NNE	4	b	29·98	+ ·28	26	24	0	E	4	bc	*	b	*	30	21	0·04
	Karlstad ...	29·87	22	NE	4	b	30·10	+ ·39	16	15	— 10	NNE	4	b	*	s.b	*	*	*	0·39
	Bodö	30·23	23	E	2	b	30·50	+ ·54	26	22	+ 8	E	4	b	1	b	*	27	14	—
	Christiansund ...	30·11	26	NE	3	b	30·38	+ ·58	27	26	— 8	NE	2	b	4	b	*	35	25	—
	Skudesnaes ...	29·77	36	N	4	c	30·11	+ ·27	27	26	— 6	N	2	b	1	b,c	*	43	25	*
	Færder (Christiania Fjord)	29·82	28	NE	6	o	30·06	+ ·35	20	18	— 15	NE	6	bc	3	o	*	36	19	—
	Skagen (The Scaw)	29·77	30	NE	3	bc	29·90	+ ·21	24	24	— 12	ENE	7	m	2	bc	*	39	?	—
	Fanö	29·66	32	NE	3	b	29·68	— ·03	28	26	— 11	NE	5	b	*	b	*	43	28	—
	Sumburgh Head	30·07	38	N	5	bc	30·29	+ ·33	38	34	+ 2	NE	5	bc	6	bc	*	44	33	0·04
	Stornoway ...	30·22	41	NE	5	c	30·33	+ ·30	38	37	— 4	NE	5	c	5	o.c	3·7	44	35	0·03
	Wick	30·12	36	NE	5	c	30·27	+ ·28	40	38	0	NE	5	chp	4	c	*	45	36	0·03
	Nairn	30·17	42	NNE	3	c	30·26	+ ·29	39	37	— 3	NNE	4	o	5	c	*	47	35	0·08
	Aberdeen ...	30·07	38	N	6	chrpq	30·17	+ ·27	36	32	— 6	NE	8	cqw	7	bcp.chrq	6·7	44	34	0·10
	Leith	30·07	42	NE	3	b	30·12	+ ·24	38	35	— 5	NNE	6	bc	*	b	*	48	35	0·04
	Shields	29·97	39	NNW	4	bcp	29·94	+ ·21	34	34	— 11	NNE	8	s	7	cp.bcp	*	46	32	0·19
	Spurn Head ...	29·79	41	N	7	c	29·69	+ ·07	34	34	— 9	N	7	cq	6	c,hrsp	*	46	33	005
	York	29·90	42	N	6	cp	29·82	+ ·13	36	33	— 11	N	4	bsp	*	p.c,sp	3·2	49	31	0·22
	Loughborough ...	29·90	40	NNW	3	c	29·86	+ ·08	34	33	— 7	NNW	3	bcmsp	*	cp,b,os	*	50	34	0·06
British Islands.	Ardrossan ...	30·07	45	N	2	b	30·15	+ ·28	40	37	— 6	N	1	bc	1	bc.b	*	52	37	—
	Malin Head ...	30·14	43	N	5	bc	30·25	+ ·32	42	42	— 2	NNE	6	bcqr	4	b,bc	*	47	38	—
	Belmullet ...	30·20	48	NNE	5	c	30·34	+ ·28	44	39	— 4	NE	5	o	*	c	*	50	39	0·01
	Donaghadee ...	30·08	47	NE	6	bc	30·15	+ ·27	43	40	— 5	NNE	7	b	5	bc	*	53	39	—
	Liverpool (Bidston)	29·99	42	NNE	4	b	29·97	+ ·18	34	32	— 11	NW	5	s	5	r.b	*	49	33	0·02
	Holyhead ...	30·01	45	NE	6	bc	30·06	+ ·20	42	38	— 5	N	8	cq	7	cp.b.bc	*	48	38	—
	Parsonstown ...	30·07	51	2	0	c	30·21	+ ·23	41	37	— 7	N	2	b	*	c	5·4	55	33	—
	Valencia ...	30·11	50	NNE	3	c	30·26	+ ·16	43	38	— 8	NE	3	o	4	omq,c	2·2	52	40	—
	Roche's Point ..	30·06	53	NNE	4	b	30·18	+ ·15	41	38	— 7	N	4	b	3	b	*	56	38	—
	Pembroke (St. Ann's Hd.)	29·96	49	NE	5	c	30·02	+ ·09	41	37	— 6	NE	5	b	3	c	2·6	49	36	—
	Scilly	29·92	50	NNW	5	c	30·03	— ·02	44	41	— 2	N	5	cp	3	cm,c	6·0	51	40	0·01
	Prawle Point ...	29·82	48	NNW	3	bc	29·95	— ·05	41	37	— 2	N	5	b	4	cp,bc	*	49	32	0·01
	Jersey (St. Aubin's)	29·79	49	W	5	ogpm	29·89	— ·13	41	38	— 3	NNW	5	bcm	4	c,ogmp	*	51	40	0·02
	Hurst Castle ...	29·78	46	NNE	5	c	29·84	— ·09	38	35	— 2	N	5	bc	3	c	*	55	34	0·01
	Dungeness ...	29·66	43	NNW	6	cpq	29·70	— ·14	37	36	— 4	NNW	5	cp	4	cpq	*	48	33	0·08
	North Foreland	29·69	42	NW	7	o	29·68	— ·18	37	36	— 1	NW	6	c	3	a	*	45	35	0·13
	London (Brixton) ...	29·80	43	N	6	oq	29·78	— ·07	37	35	0	NNW	5	oqrsp	*	op,qrs	0·1	49	34	0·08
	Oxford	29·89	38	N	4	b	29·84	— ·02	36	33	0	N	4	osq	*	op,bq	*	50	34	001
	Cambridge ...	29·81	41	N	4	c	29·77	— ·02	36	35	— 3	N	4	s	*	cprhq	0·1	51	33	0·16
	Yarmouth ...	29·68	40	N	7	ogq	29·64	— ·09	36	34	— 2	NNW	6	esq	5	o,ogq	*	44	34	0·21
Germany & Holland.	Cuxhaven ...	29·58	37	W	1	r	29·53	— ·23	32	32	— 8	NE	5	c	*	r	*	43	30	0·35
	Berlin	29·62	39	SW	3	r	29·46	— ·36	38	37	+ 1	SE	2	o	*	r	*	45	36	0·08
	Wiesbaden ...	*	*	*	*	*	29·31	— ·61	38	36	+ 5	W	1	o	*	*	*	46	33	0·24
	Munich... ..	29·62	36	E	3	c	29·41	— ·48	38	36	+ 7	E	2	o	*	c	*	45	31	—
	The Helder ...	29·54	38	NNE	4	r	29·56	— ·18	38	34	— 5	NE	3	bc	3	r	*	43	36	0·28
Belgium.	Brussels ...	*	*	*	*	*	29·57	— ·32	36	32	0	NNE	3	b	*	o	*	44	33	0·16
	Cape Gris Nez...	?	43	NNW	6	r	?	?	38	36	— 3	N	6	o	6	r	*	46	34	0·12
	Paris	29·70	43	WSW	3	r	29·65	— ·32	36	34	+ 4	NNW	5	o	*	r	*	51	32	0·04
	Brest	29·87	49	NNW	3	o	29·97	— ·07	40	37	+ 3	NNE	3	bc	2	o	*	50	36	—
	Lorient... ...	29·87	50	NW	4	c	29·91	— ·11	39	39	— 7	N	4	bc	4	c	*	55	36	—
France &	Rochefort ...	29·89	49	WNW	4	bc	29·85	— ·14	40	37	+ 3	NNE	4	b	*	b.bc	*	57	34	—
	Belfort	29·59	45	WSW	2	o	29·45	— ·45	33	32	+ 1	W	2	s	*	o	*	54	32	0·08
	Lyons	29·73	48	E	1	c	29·60	— ·32	33	33	— 2	NNW	2	r	*	c	*	55	33	004
	Nice	29·65	50	W	2	o	29·38	— ·36	48	37	— 2	NW	2	bc	2	o	*	59	45	—
	Perpignan ...	29·71	60	NW	2	bc	29·64	— ·19	48	41	— 3	NW	5	o	*	bc	*	65	48	—
	Biarritz ...	29·87	53	WNW	4	bc	29·76	— ·13	50	47	0	WNW	7	r	3	bc	*	55	45	—
Penin-sula.	Corunna ...																*			
	Lisbon	29·97	53	WSW	4	b	29·93	— ·01	55	51	+ 1	WNW	3	b	*	b	*	61	52	—
	Azores (P. Delgada)	29·73	61	SSE	5	o	29·73	— ·02	62	61	+ 3	SSE	5	o	6	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 5·2 hrs;

WEATHER CHARTS

FOR Thursday, 24th March, 1898

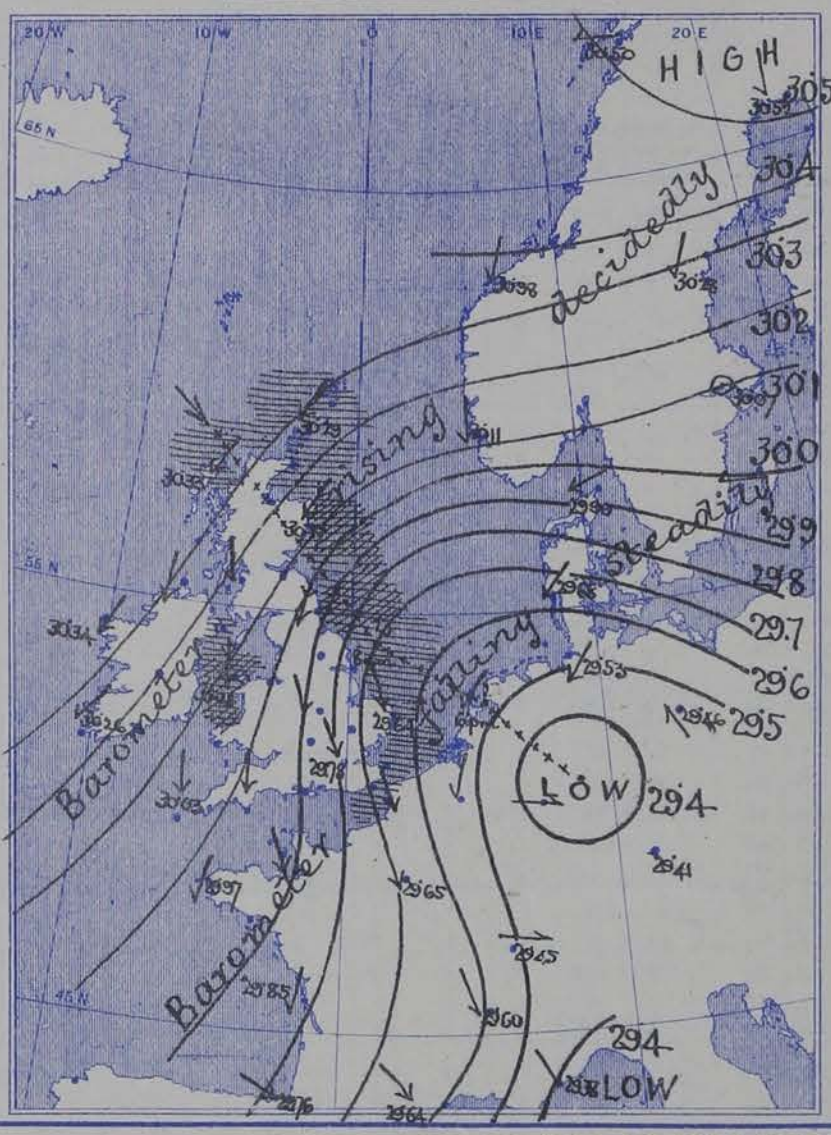
BAROMETER, WIND AND SEA.

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*

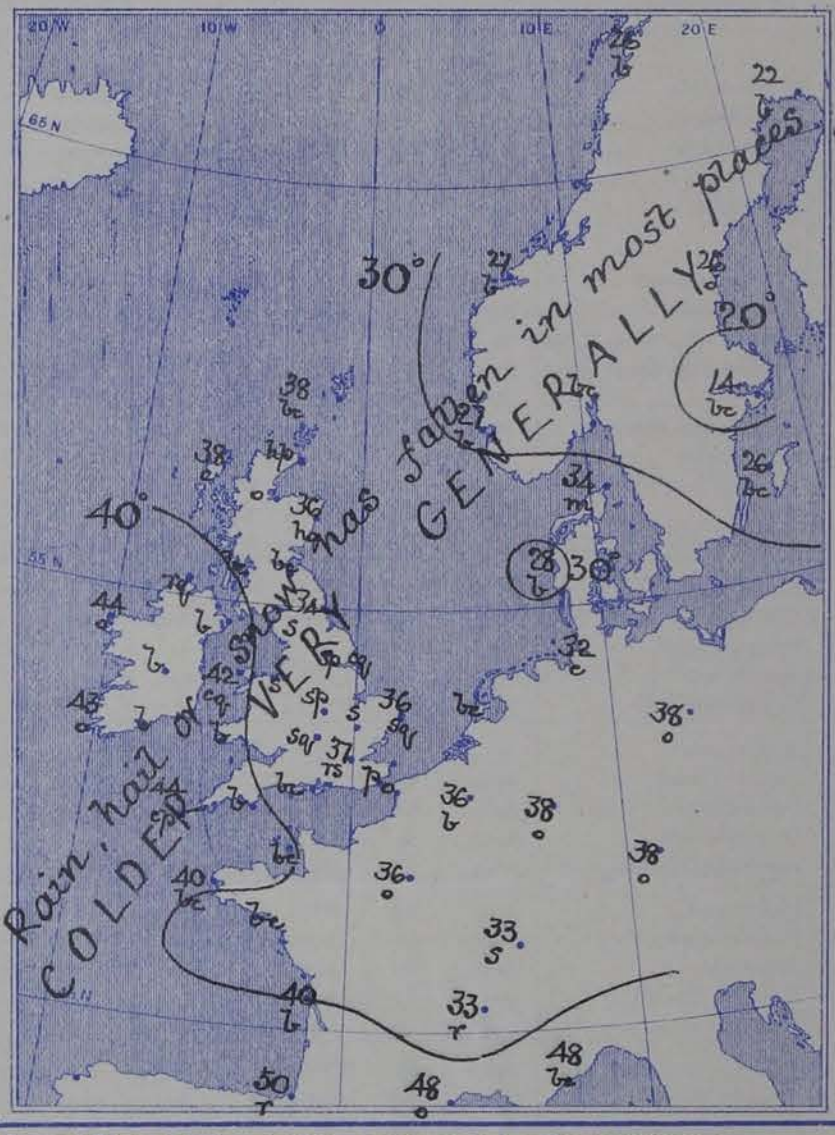


TEMPERATURE & WEATHER.

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 30.5 ins. and upwards in Lapland, 30.3 ins. and upwards on our own extreme W^m. coasts.
Lowest 29.4 ins. and less in a well marked depression with its centre over W^m. Germany.
Gradients steep over the North Sea and our NE. coasts, moderate or slight elsewhere.
Barometer falling in France, Germany and many parts of England, but rising in Ireland, Scotland and Scandinavia.

TEMPERATURE

Highest (1) 55° at Lisbon, 50° at Biarritz, and 48° at Nice and Perpignan; (2) 44° at Belmullet & Scilly.
Lowest 14° at Stockholm, 16° at Karlstad, 20° at Faerder, and 22° at Haparanda, lowest in our Islands 34° at Shields, Spurn Hd., Loughborough and Liverpool.
During yesterday the thermometer rose to 50° and upwards at several of the English and Irish stations, and to 56° at Roche's Point; at Yarmouth, however, it did not exceed 44°.

WIND

Moderate to strong from the NE^wd. over Scandinavia, Denmark and the northern parts of the United Kingdom, with a gale on several parts of our northeast and northwest coasts.
N^w. or NW^w. over the southern parts of our Islands, and also over France, variable in Germany.

WEATHER

Fine over the greater part of Ireland, Scotland and Scandinavia, but showery at Wick & Malin H.
Very changeable in all other parts of our area, with snow at many of the English stations, as well as at Belfort, and rain at Biarritz.
Since yesterday morning rain or snow has fallen over nearly the whole of Gt. Britain and the neighbouring parts of the Continent, the amount being, however, mostly slight.

SEA

High on our NE. coasts and at Holyhead, rough or rather so on all but our S^m. and extreme W^m. coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed off our NE. coasts yesterday has moved SE^wds. to Germany. The barometer has, however, begun to fall again at many of the English stations, and the gradients for N^w. and NE^w. winds are inclined to become steeper. Rough unsettled weather is probable in nearly all districts, with squalls of snow, and a further fall of temperature.

FORECASTS

For the 24 hours ending at NOON on 25TH MARCH 1898

DISTRICTS.	FORECASTS.
1 SCOTLAND NORTH	NE^w. winds, strong in places; some showers at first, then fair; colder.
2 SCOTLAND EAST	
3 ENGLAND N.E.	Same as No. 5.
4 ENGLAND EAST	
5 MIDLAND COUNTIES	
6 ENGLAND SOUTH	N^w. winds, strong; a gale in places; squally, with snow showers; colder.
6 SCOTLAND WEST	Same as Nos. 0 and 1.
7 ENGLAND N.W.	Same as No. 5.
8 ENGLAND S.W.	N^w. winds, increasing to a gale; squally, some showers; colder.
9 IRELAND NORTH	Same as Nos. 0 and 1.
10 IRELAND SOUTH	Same as No. 8.
WARNINGS	At 0.10 pm. yesterday to districts 3 and 5, and at 10.30 am. today to districts 8 and 10. Hoist North Cone. The signals are now flying on all coasts.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.81	43	36	NNE	4	b	1
Sumburgh Head	30.05	43	38	N	4	bc	5
Stornoway	30.17	43	39	NE	5	o	5
Aberdeen	30.02	43	38	NNE	6	bcpq	6
Shields	29.91	45	42	N	5	cp	5
Ardrossan	29.99	52	47	N	3	bc	2
Malin Head ...	30.09	47	46	NNE	5	b	3
Belmullet	30.13	49	45	NNE	4	o	*
Holyhead	29.92	47	43	NE	6	b	5
Valencia	30.08	52	49	N	4	c	4
Scilly	29.95	51	48	WNW	5	cm	3
Jersey	29.88	51	46	W	5	c	4
Hurst Castle ...	29.77	52	48	WNW	5	cm	3
Dungeness ...	29.65	46	45	WSW	4	cp	3
North Foreland	29.63	44	43	W	5	o	3
London (Westminster)	29.68	50	47	WNW	4	or	*
Yarmouth ...	29.57	44	42	NW	4	o	4
Rochefort ...	29.95	55	51	N	3	b	*

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

Weather in morning cloudy or dull in all but the extreme southern parts of our Islands, with rain in the N. and E. of England, & passing showers in several other localities. Fine in Scandinavia and also over France, Spain, W^n. Germany, N^w. Italy and the S. of Russia; rain falling in several parts of N. Germany, and snow over Finland and the Baltic provinces. Rain or snow occurring later over nearly the whole of Gt. Britain and the neighbouring parts of the Continent.

Temperature risen over England and Ireland, but fallen in most other countries. Morning readings highest 65° at Palma, 62° at Malta, and 57° at Barcelona and Patras; above 50° at the Mediterranean and Adriatic stations generally, as well as at Valencia (Ireland). Lowest 3° at Hango, 5° at Kuopio and Helsingfors, and 7° at Haparanda; below the freezing point over N^w. and E^n. Europe generally, and just touching it in some parts of central France. Rising during day to 50° and upwards at most of the English and Irish stations and to 56° at Roches Point; exceeding 55° also in the S. of France, and touching 65° at Perpignan.

Wind moderate to strong from the N^w. or NE^w. over Scandinavia, the northern parts of Gt. Britain, and from the NW^wd. on our western coasts; light to moderate from the W^w. or SW^wd. over the southeast of England, the Netherlands and Germany. NE^ly. over the greater part of France, Spain and Italy; E^ly. over the Adriatic; NW^ly. in Algeria. Subsequently veering to the N^wd. in the east and southeast of England and increasing to a moderate or fresh gale.

Barometer highest 30.1 ins. and upwards in an area lying off the SW. of Ireland. Lowest 29.6 ins. and less in a depression over Russia; 29.7 ins. and less in a well marked disturbance, having its centre off the NE. of England, and also in a large shallow area over Italy and the central parts of the Mediterranean. Depression off our NE. coasts subsequently moving SE^wd. to Holland, and barometer rising in most 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.

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 Friday, 25th March, 1898.

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 ...	30·72	14	N	2	b	30·84	+·32	4	4	− 18	N	2	b	*	b	*	28	1	–
	Hernösand ...	30·59	24	NE	2	o	30·76	+·48	19	18	− 7	N	4	b	*	o	*	28	18	–
	Stockholm ...	30·34	23	E	4	c	30·45	+·38	23	22	+ 9	NE	4	s	*	c	*	27	9	–
	Wisby	30·21	25	E	4	b	30·30	+·32	29	27	+ 3	E	4	o	*	b	*	29	19	–
	Karlstad ...	30·35	26	NE	6	b	30·47	+·37	26	25	+ 10	NNE	4	bc	*	b†	*	*	*	–
	Bodö	30·73	25	E	2	b	30·77	+·27	24	22	− 2	E	4	b	1	b	*	32	19	–
	Christiansund ...	30·59	31	NE	3	b	30·73	+·35	28	26	+ 1	ENE	3	b	4	b	*	34	27	–
	Skudesnaes ...	30·38	34	NE	2	b	30·51	+·40	31	26	+ 4	NE	2	b	1	b	*	39	27	*
	Færder (Christiania Fjord)	30·30	33	NE	6	o	30·46	+·40	29	26	+ 9	NE	7	o	3	o	*	32	19	–
	Skagen (The Scaw)	30·23	30	ENE	7	bc	30·33	+·43	30	29	+ 6	ENE	7	bc	2	bc	*	32	24	–
	Fanö	29·99	28	ENE	8	s	30·08	+·40	28	27	o	ENE	6	c	*	s	*	34	27	0·04
	Sumburgh Head	30·43	38	NE	5	s	30·53	+·24	38	34	o	NE	3	bc	5	c.s	*	43	34	0·04
	Stornoway ...	30·40	43	ENE	5	c	30·54	+·21	39	38	+ 1	ENE	5	o	5	bc.c	9.2	45	35	–
	Wick	30·44	40	NE	5	o	30·49	+·22	42	40	+ 2	NE	4	bchp	4	o	*	43	35	0·02
	Nairn	30·44	41	ENE	4	bc	30·50	+·24	38	37	− 1	E	3	b	4	hrsp	*	45	33	0·17
	Aberdeen ...	30·36	39	NNE	7	bc	30·46	+·29	41	35	+ 5	NE	4	bcqf	6	bcqf	9.3	42	35	–
	Leith	30·31	40	NNE	3	bc	30·40	+·28	37	35	− 1	NNE	3	rc	*	bc	*	44	34	0·02
	Shields	30·21	35	NNE	6	crshp	30·30	+·36	37	34	+ 3	NNE	5	csp	6	rrsp	*	37	30	0·07
	Spurn Head ...																*			
	York	30·08	32	N	5	bcsp	30·18	+·36	35	33	− 1	N	3	bcsp	*	csp	5·1	40	29	0·06
	Loughborough ...	30·02	31	NNE	5	b	30·07	+·21	35	32	+ 1	NNE	5	cqsp	*	cqsp	*	42	28	0·04
British Isles.	Ardrossan ...	30·32	42	NE	2	bc	? 30·37	+·22	41	37	+ 1	NNE	2	b	1	bc	*	45	35	–
	Malin Head ...	30·40	43	N	6	b	?	?	42	42	o	?	6	b	4	b	*	45	40	–
	Belmullet ...	30·43	45	ENE	4	b	30·50	+·16	45	39	+ 1	ENE	5	c	*	b	*	48	39	–
	Donaghadee ...	30·31	44	NE	7	b	30·40	+·25	42	38	− 1	NE	8	b	6	b	*	45	39	–
	Liverpool (Bidston)	30·16	33	N	4	c	30·22	+·25	37	35	+ 3	NNE	4	b	4	qhs	*	40	31	–
	Holyhead ...	30·19	39	NE	9	cqps	30·27	+·21	40	35	− 2	NE	7	c	6	qrrsh	*	42	35	–
	Parsonstown ...	30·30	45	NE	1	bc	30·39	+·18	37	34	− 4	N	1	b	*	bcq	10·3	48	31	–
	Valencia ...	30·30	48	NNE	5	bq	30·42	+·16	41	36	− 2	NNE	5	b	4	bq	6·8	49	36	–
	Roche's Point ..	30·26	45	NE	5	b	30·35	+·17	39	35	− 2	NNE	5	b	3	b	*	52	35	–
	Pembroke (St. Ann's Hd.)	30·12	37	NE	8	bc	30·14	+·12	38	35	− 3	ENE	7	csq	4	bc	8·4	44	32	0·03
	Scilly	30·01	42	NNE	8	cq	30·07	+·04	40	36	− 4	NNE	8	csp	4	chq	4·2	47	36	0·02
	Prawle Point ...	29·95	34	N	7	b	29·96	+·01	34	32	− 7	NNE	8	c	7	bcsp	*	48	28	0·04
	Jersey (St. Aubin's)	29·78	39	N	6	cu	29·82	−·07	36	35	− 5	NNW	7	ospm	5	cqrsh	*	41	32	0·26
	Hurst Castle ...	29·85	37	NNE	6	csp	29·84	·00	35	33	− 3	NNE	6	csp	5	cqsp	*	44	30	0·02
	Dungeness ...	29·70	33	NNE	7	osp	29·66	−·04	36	35	− 1	NNE	8	rsq	6	cqhs	*	43	29	0·25
	North Foreland	29·79	35	N	8	c	29·74	+·06	35	35	− 2	N	9	rs	8	c.rs	*	40	32	0·31
	London (Brixton) ...	29·86	33	NNE	5	cqsp	29·86	+·08	34	32	− 3	NE	6	sq	*	shq	1·9	41	30	0·09
	Oxford	29·98	29	NE	6	b	29·96	+·12	34	33	− 2	NNE	4	o	*	sp.b	*	42	29	0·09
	Cambridge ...	29·92	31	N	4	bc	29·94	+·17	34	33	− 2	NNE	5	s	*	hsq	4·3	41	29	0·19
	Yarmouth ...	29·79	33	NNE	7	cqshp	29·85	+·21	35	34	− 1	NE	9	qhru	6	qshp	*	39	30	0·23
Germany & Holland.	Cuxhaven ...	29·58	38	NE	5	o	29·87	+·34	33	33	+ 1	NE	6	o	*	o	*	38	32	0·04
	Berlin	29·57	45	SE	4	o	29·74	+·28	39	38	+ 1	ENE	4	r	*	o	*	50	37	0·04
	Wiesbaden ...	*	*	*	*	*	29·60	+·29	35	34	− 3	NE	5	c	*	*	*	44	32	–
	Munich	29·49	33	W	5	s	29·50	+·09	31	31	− 7	E	4	o	*	s	*	45	30	1·42
	The Helder ...																*			
Belgium.	Brussels ...	*	*	*	*	*									*		*			
	Cape Gris Nez ...	?	37	NE	6	s	?	?	37	36	− 1	E	7	r	7	o	*	43	34	0·20
	Paris														*		*			
	Brest																*			
	Lorient																*			
France &	Rochefort ...	29·77	42	NNE	5	bc	29·73	−·12	35	34	− 5	NE	5	bc	*	bc	*	50	32	0·04
	Belfort														*		*			
	Lyons														*		*			
	Nice																*			
	Perpignan ...														*		*			
	Biarritz ...	29·75	46	NNW	5	o	29·60	−·16	36	35	− 14	ENE	3	o	4	o	*	50	34	0·39
Penin-sula.	Corunna ...																*			
	Lisbon	29·93	54	NNW	5	b	29·89	−·04	48	42	− 7	N	5	o	*	b	*	61	46	–
	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 6·2 hrs;

WEATHER CHARTS

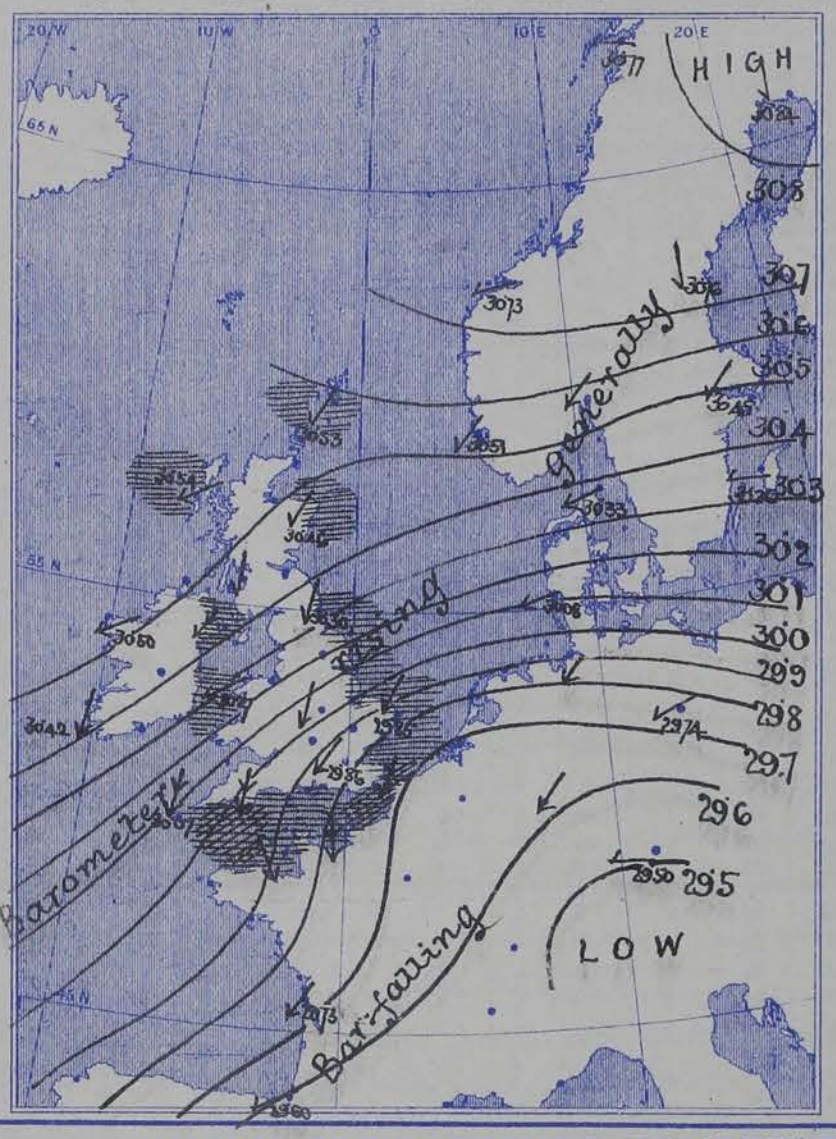
FOR Friday, 25th March, 1898

BAROMETER, WIND AND SEA.

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

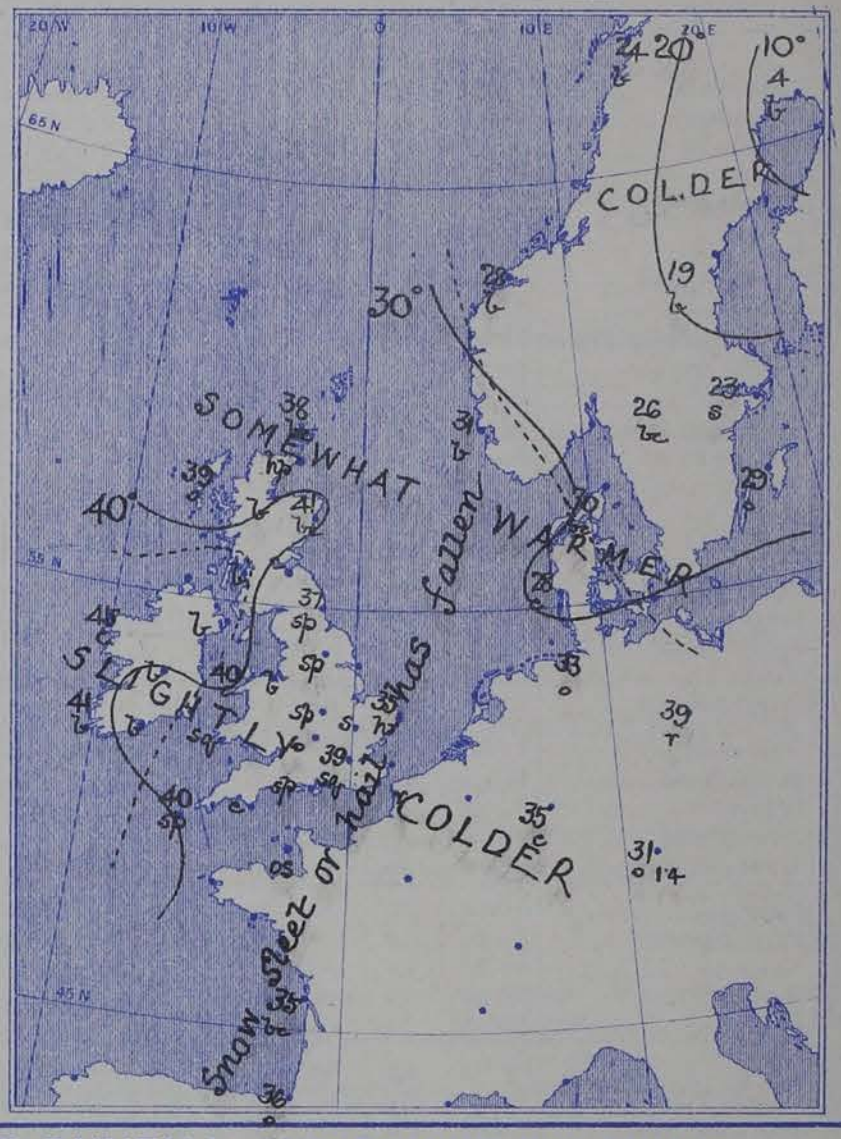
Force above 10 ⟶⟶ ; Force 5 to 7 ⟶ ; } Calm ⊙
Force 8 to 10 ⟶ ; Force 1 to 4 ⟶ ; }

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, 30·84 ins: at Haparanda; 30·5 ins: and upwards in an anticyclone lying over the greater part of Scandinavia, and extending westwards over our own extreme north and northwest coasts.
Lowest, 29·5 ins: and less, over South Germany. (The reports from the central and southern parts of France have not yet arrived)
Gradient steep over England and the southern parts of the North Sea, moderate or slight elsewhere.
Barometer falling a little in France, and rather unsteady in the southeast of England, but rising in all other parts of our area.

TEMPERATURE

Highest (1) 48° at Lisbon; (2) 45° at Belmullet, 42° at Wick and Donaghadee, and 41° at Aberdeen, Ardrossan, and Valencia (Ireland).
Lowest, (1) 4° at Haparanda, 19° at Hernösand, and 23° at Stockholm; (2) 31° at Munich; (3) 34° at Oxford, Cambridge, London, and Prawle Pt.
Frost occurred last night over England and also over Central Ireland, the lowest temperatures reported being 28° at Loughborough and Prawle Pt., and 29° at York Downpatrick, Oxford, and Cambridge.

WIND

Chiefly NE^{ly} and strong to a gale in force on most of the English coasts, as well as in the Irish Sea and in Denmark.
In the course of the past 24 hours strong gales from the N^{wd} have prevailed in most parts of Great Britain.

WEATHER

Fine at most of the Irish, Scotch, and Scandinavian stations, but very changeable elsewhere, with snow squalls over nearly the whole of England. Rain is falling at Berlin.
Snow, sleet, or hail fell yesterday over the whole of Great Britain and the western and central parts of the Continent. At Munich the fall amounted to as much as 1·4 ins:.

SEA

Very high at the North Foreland, high at Prawle Point and Cape Finisterre, and rough or rather so on nearly all coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The high pressure system in the north is inclined to spread southwards. The gale on our south and east coasts is likely to moderate gradually, but the weather will probably continue unsettled for a time, with frequent snow showers in the south.

FORECASTS

For the 24 hours ending at NOON on 26th MARCH 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NE^{ly} winds, moderate; fair generally.
1	SCOTLAND EAST	
2	ENGLAND N.E.	NE^{ly} winds, fresh or strong; some snow showers at first then fair. Very cold tonight.
↓3	ENGLAND EAST	Same as No 5.
4	MIDLAND COUNTIES	Same as No 2.
↓5	ENGLAND SOUTH	NE^{ly} gales, moderating later; squally, with snow showers.
6	SCOTLAND WEST	Same as Nos 0 and 1.
7	ENGLAND N.W.	Same as No 2.
↓8	ENGLAND S.W.	Same as No 5.
9	IRELAND NORTH	NE^{ly} winds, fresh or strong; fair generally.
↓10	IRELAND SOUTH	
	WARNINGS	The NORTH CONE is still flying in districts 3. 5. 8. and 10.

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

1/69

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·23	39	36	ENE	6	b	2
Sumburgh Head	30·40	41	37	NE	4	c	6
Stornoway	30·44	45	41	ENE	3	bc	3
Aberdeen	30·29	41	35	NNE	8	bcq	4
Shields	30·13	34	33	NNE	7	chrsp	7
Ardrossan	30·25	45	45	NE	2	bc	1
Malin Head ...	30·34	45	41	NNE	6	b	4
Belmullet	30·39	47	42	NE	5	b	*
Holyhead	30·14	39	36	NE	9	cq[illegible]sh	7

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·26	48	41	ENE	5	bcq	5
Scilly	29·98	45	42	NNW	7	chq	4
Jersey	29·79	41	38	N	5	c	4
Hurst Castle ...	29·78	38	36	NNE	5	cqsp	4
Dungeness ...	29·64	39	37	NNE	5	cqsh	4
North Foreland	29·66	38	37	N	6	c	4
London (Westminster)	29·74	35	34	NNE	7	oqpsh	*
Yarmouth ...	29·73	36	33	NE	7	cqshp	5
Rochefort ...	29·84	48	45	NNW	4	bc	*

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

Weather in morning very rough and unsettled over England, with snow squalls in nearly all districts. Rain or snow falling also in many parts of France and Germany, and weather very cloudy over Italy and Austria. Fine at most of the Irish and Scotch stations as well as in Scandinavia; snow falling in many parts of Russia. Fine over the Spanish Peninsula. Snow, sleet, or hail falling during day in nearly all parts of Great Britain as well as over the western and central parts of the Continent.

Temperature fallen in most of the western and northern countries, but changed very irregularly elsewhere. Morning readings highest 58° at Malta and Thorn, and 57° at Palma and Algiers; above 50° at most of the Mediterranean and Spanish coast stations. Lowest 7° at Hango, 13° at Helsingfors, and 14° at St Petersburg and Stockholm; below the freezing point over northern and eastern Europe generally, and very little above it over the eastern and central parts of England and France. Daily maxima below 45° in most parts of Great Britain, but thermometer touching 52° at Rochebrune; reaching 50° or more also in the west of France, and 61° at Lisbon.

Wind light from the SE^ud over Austria and Eastern Germany; strong to a gale from the E^ud or NE^d in Denmark, and moderate from the same quarter in Scandinavia; N^l over the greater part of our Islands and France, with a gale on the east coasts of Gt Britain and also over the Irish Sea. W^l or NW^l in the south of France and the north of Spain; SW^l in the south of Spain; variable in Italy. N^l gales setting in later over the Channel and southeast of England.

Barometer highest 30·5 in: and upwards over the extreme north of Scandinavia; 30·3 in: and upwards on our own extreme western coasts. Lowest 29·4 in: and less. in a well marked depression over Western Germany, and also in a small system over the Riviera. Depression moving southwards later, and barometer rising at all but the French 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.
,, Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 26th March, 1898.

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	30·77	7	SW	0	b	30·69	-·15	-4	-5	-8	SW	0	m	*	b	*	21	-4	-
	Hernösand	30·76	12	SW	0	b	30·66	-·10	15	13	-4	SW	0	0	*	b	*	32	10	-
	Stockholm	30·50	31	E	8	0	30·43	-·02	31	30	+8	NE	6	8	*	0	*	32	14	0·04
	Wisby	30·42	34	ESE	6	0	30·28	-·02	34	33	+5	ESE	4	c	*	0	*	36	23	-
	Karlstad	30·52	28	NNE	6	bc	30·40	-·07	28	26	+2	NNE	4	0	*	bc	*	*	*	-
	Bodö	30·64	28	E	2	b	30·49	-·28	28	24	+4	E	4	b	1	b	*	32	21	-
	Christiansund	30·65	32	ENE	1	bc	30·47	-·26	29	27	+1	ENE	1	bc	3	bc	*	36	29	-
	Skudesnaes	30·60	35	NE	6	b	30·32	-·19	31	28	·0	NNE	4	b	2	b	*	38	28	*
	Færder (Christiania Fjord)	30·48	32	NE	6	0	30·37	-·09	28	26	-1	NE	6	0	3	0	*	34	27	-
	Skagen (The Scaw)	30·36	32	ENE	7	0	30·21	-·12	33	32	+3	ENE	7	0	2	0	*	39	30	-
	Fanö	30·05	33	ENE	6	0	29·84	-·24	34	33	+6	ENE	6	8	*	0	*	34	28	0·08
	Sumburgh Head	30·51	37	NE	2	b	30·35	-·18	37	33	-1	NE	2	b	3	bc.b	*	42	31	-
	Stornoway	30·51	42	ENE	4	b	30·32	-·22	37	35	-2	E	4	bc	4	b	5·3	45	33	-
	Wick	30·47	39	E	3	c	30·29	-·20	39	36	-3	E	3	c	2	c	*	43	34	-
	Nairn	30·47	38	E	2	c	30·28	-·22	35	33	-3	SW	0	0	1	c	*	44	31	-
	Aberdeen	30·45	37	NE	5	cq	30·25	-·21	36	32	-5	ENE	6	0sqlp	6	cqhp	8·2	43	31	0·02
British Islands	Leith	30·39	40	NE	3	c	30·15	-·25	37	33	0	NE	3	c	*	c	*	43	31	0·06
	Shields	30·31	37	NNE	5	c	30·04	-·26	37	36	0	NNE	6	0	6	c.sp	*	40	32	0·11
	Spurn Head	30·05	35	NE	8	0	29·75	-·26	39	35	0	NE	8	0qhp	7	0	*	39	34	-
	York	30·18	37	N	4	cqsp	29·90	-·28	35	34	0	N	4	c	*	cqsp	6·6	40	31	0·10
	Loughborough	30·08	34	NE	4	0	29·81	-·26	36	34	+1	NNE	6	0qsp	*	cqsp	*	40	33	0·03
	Ardrossan	30·38	40	NE	2	bc	?	?	36	35	-5	NE	2	b	1	c.bc	*	45	31	-
	Malin Head	30·39	42	NNE	6	b	30·21	-·24	38	35	-4	ENE	5	b	4	b	*	45	35	-
	Belmullet	30·41	44	NE	5	b	30·21	-·29	39	34	-6	E	5	c	*	c.b	*	48	30	-
	Donaghadee	30·35	41	NE	8	b	30·15	-·25	38	36	-4	NE	8	b	6	b	*	44	34	-
	Liverpool (Bidston)	30·19	36	NNE	6	c	29·93	-·29	37	36	0	NNE	3	0	3	csp	*	40	32	-
	Holyhead	30·32	40	NE	8	cqsp	29·98	-·29	38	35	-2	NE	8	0mu	7	cqsp	*	42	35	-
	Parsonstown	30·30	42	NW	1	b	30·11	-·28	34	31	-3	N	2	b	*	bqs	8·8	45	29	-
	Valencia	30·28	45	NE	6	bc	30·10	-·32	36	33	-5	NE	4	bq	4	bcq	9·3	47	31	-
	Roche's Point	30·23	42	NNE	6	b	30·03	-·32	34	32	-5	NNE	5	b	3	b	*	46	31	-
	Pembroke (St. Ann's Hd.)	30·08	39	NE	6	b	29·88	-·26	37	35	-1	ENE	5	0	4	b	?	42	34	-
	Scilly	29·97	43	NNE	8	c	29·77	-·30	40	37	0	NNE	8	0sp	6	csp,c	4·8	45	35	-
	Prawle Point	29·86	36	NNE	8	0	29·68	-·28	36	34	+2	NNE	7	csp	5	0sp	*	40	33	0·03
	Jersey (St. Aubin's)	29·70	40	NE	7	0q	29·58	-·29	40	38	+4	NNE	7	0mph	6	0rs	*	40	35	0·13
	Hurst Castle	29·82	37	NE	5	0	29·68	-·26	39	36	+4	NNE	6	0	4	csp,0	*	44	30	0·01
	Dungeness	29·70	38	NE	8	0	29·41	-·25	38	37	+2	NNE	8	rhq	4	r.0	*	39	35	0·19
Germany & Holland	North Foreland	29·82	38	NE	8	0	29·49	-·25	38	38	+3	N	8	r	7	r.0	*	38	33	0·28
	London (Brixton)	29·88	35	NE	6	0pq	29·59	-·27	36	34	+2	NE	6	0q	*	qrs,0	0·0	37	33	0·23
	Oxford	29·95	34	NE	6	s	29·69	-·27	36	33	+2	NNE	6	0spq	*	0qsp	*	36	33	0·03
	Cambridge	29·96	35	NNE	5	0	29·67	-·27	37	36	+3	NNE	5	,0	*	0q	0·0	41	29	0·16
	Yarmouth	29·89	36	NE	8	cq	29·60	-·25	37	36	+2	NE	9	0qu	6	cqrq	*	37	34	0·05
	Cuxhaven	29·90	36	NE	7	0	29·59	-·28	36	35	+3	E	8	r	*	0s,r	*	36	32	0·35
	Berlin	29·75	41	E	4	r	29·56	-·18	36	36	-3	E	7	r	*	r	*	45	36	0·08
	Wiesbaden	*	*	*	*	*	29·17	-·43	45	43	+10	NE	1	0	*	*	*	46	35	-
	Munich	29·32	37	E	3	c	29·25	-·25	36	35	+5	W	4	c	*	c	*	41	31	-
	The Helder	29·85	37	NE	8	0	29·51		37	36		NE	8	0	4	0	*	37	36	0·04
France & Belgium	Brussels	*	*	*	*	*	29·32	-·32	34	34	0	NE	5	S	*	r	*	38	33	0·04
	Cape Gris Nez																*			
	Paris	29·53	36	N	3	r	29·28	-·30	32	32	+4	N	3	r	*	r	*	40	28	0·43
	Brest	29·77	36	NE	6	r	29·63	-·27	38	36	+4	NE	5	0	3	r	*	41	32	0·24
	Lorient	29·63	38	N	6	c	29·52	-·45	38	38	+4	NNE	6	S	4	c	*	48	34	-
	Rochefort	29·62	38	N	4	c	29·43	-·30	37	36	+2	N	5	r	*	c	*	45	32	0·08
	Belfort	29·39	30	E	2	[illegible]	29·32	-·17	29	28	0	W	2	0	*	[illegible]	*	35	25	0·08
	Lyons	29·50	30	N	1	[illegible]	29·39	-·11	30	30	0	S	1	c	*	[illegible]	*	38	26	0·08
	Nice	29·33	39	SE	1	b	29·38	+·10	36	32	-5	E	2	bc	1	b	*	50	30	-
	Perpignan	29·50	41	NW	3	c	29·46	-·04	32	30	-9	W	1	b	*	c	*	48	27	-
	Biarritz	29·60	41	WSW	6	c	29·35	-·25	40	39	+4	SW	6	r	4	c	*	45	36	0·20
Peninsula	Corunna																*			
	Lisbon	29·79	46	N	5	b	29·73	-·16	43	39	+5	NW	2	bc	*	b	*	52	41	-
	Azores (P. Delgada)	29·50	58	ESE	6	r	29·35	-·21	59	55	-1	E	5	r	6	r	*	63	55	0·28

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 7·5 hrs;

WEATHER CHARTS

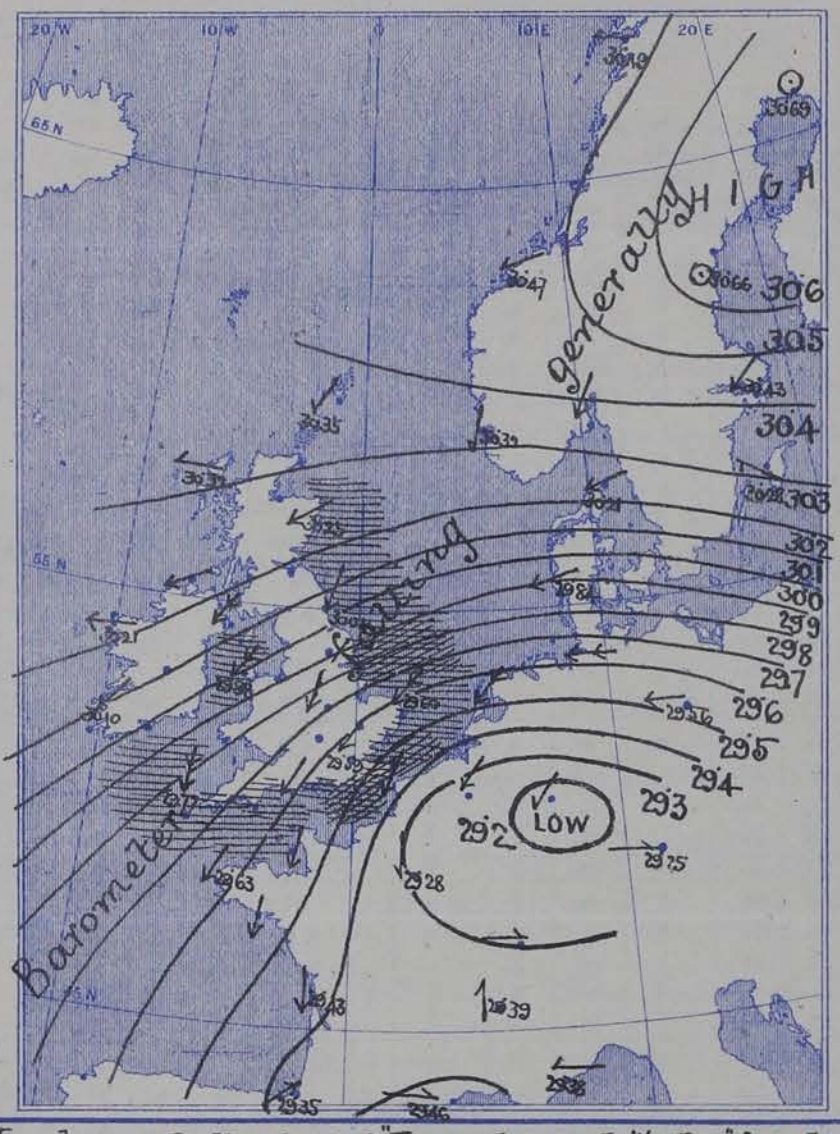
FOR Saturday, 26. March, 1898

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* ⟶ ; }

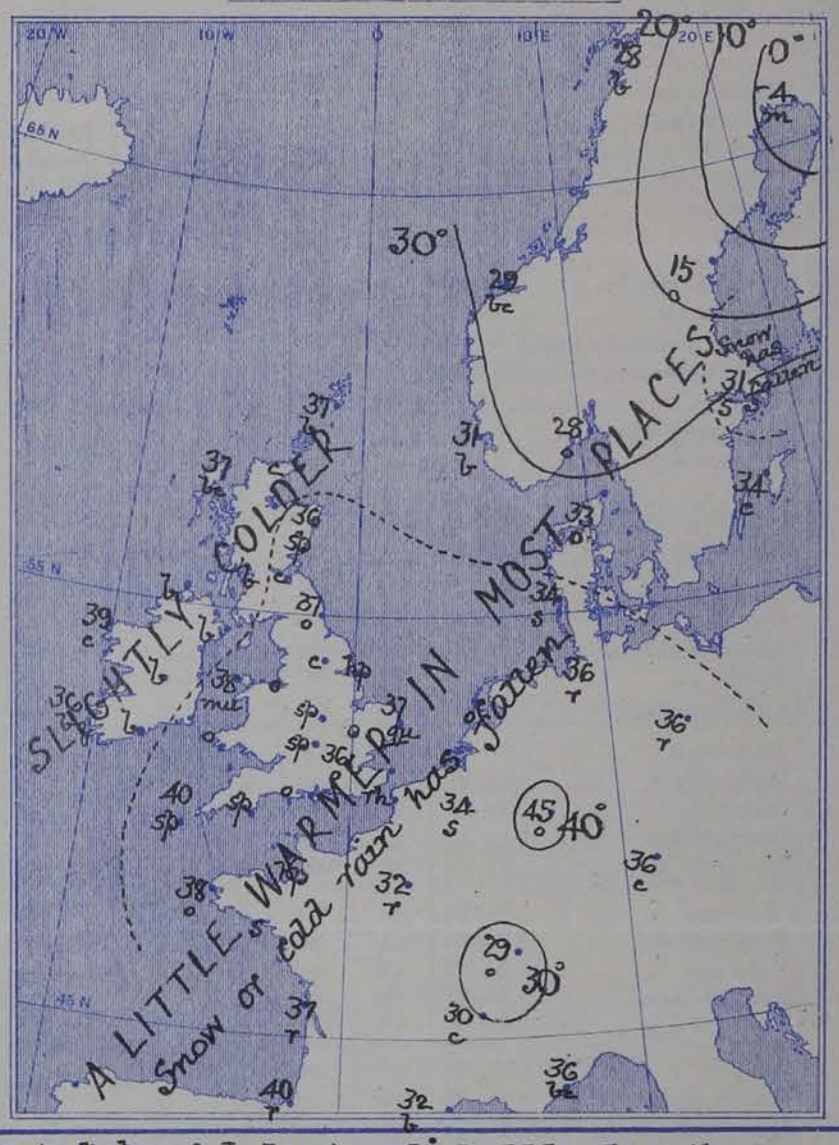
SEA—Rough ; *High*



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.



Erratum: In the chart of "Temperature and Weather" for yesterday morning the temp. for London (Kew) is 38°, should have been 34°

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, over the Gulf of Bothnia and the northern part of Sweden; 30·3 in: and upwards, in an anticyclone covering the whole of Scandinavia and extending westwards over the extreme north of Scotland.
Lowest, 29·2 in: and less, in a well marked depression over Western Germany.
Gradients steep over England, the North Sea, Denmark, and the Baltic, moderate or slight elsewhere. Barometer falling generally.

TEMPERATURE

Highest, 45° at Wiesbaden, 43° at Lisbon, 40° at Scilly, Jersey, and Biarritz, and 39° at Wick, Spurn Hd., Pilmuillet, and Hurst Castle.
Lowest, -4° F. at Haparanda, +15° at Hernösand, and 25° at Bodö, Pasden, and Karlstad, lowest in our Islands 34° at Parsonstown and Rockhill Inst.
The maxima registered yesterday were below 45° in nearly all part of Great Britain; in the east and southeast of England the thermometer did not reach 40°.

WIND

Strong to a gale from the E.ward or NE.ward over Denmark, North Germany, and the south of Scandinavia, and from the NE.ward or N.ward over England, the Irish Sea, the Netherlands and the north of France.
Moderate or fresh in force on our own extreme western and northern coasts.
Light to moderate from the W.ward in South Germany, and also at some of the southern French stations.

WEATHER

Fine in Ireland, the west and extreme north of Scotland and the west of Norway, as well as in the extreme south of France.
Cloudy or dull elsewhere, with snow or hail showers in many part of England. Snow or rain is falling at several of the French, German and Danish stations
Snow or cold rain fell yesterday over nearly the whole of England, with the east of Scotland and the neighbouring parts of the Continent.

SEA

High on the Kentish coasts, as well as at Spurn Head and Holyhead, and rough or rather so in most other localities.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A new depression has appeared over Western Germany, and is likely to spread out in a southerly direction. Gales from the N.ward or NE.ward will probably continue on many parts of our coasts, with squalls of snow, hail or cold rain.

FORECASTS

For the 24 hours ending at NOON on 27TH MARCH 1898

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	E.ly and NE.ly winds, freshening; changeable, some cold showers.
↓1 SCOTLAND EAST	NE.ly winds, increasing to a gale; squally, some snow showers.
↓2 ENGLAND N.E.	Same as No 5.
↓3 ENGLAND EAST	
4 MIDLAND COUNTIES	
↓5 ENGLAND SOUTH	N.ly and NE.ly gales and strong winds; squally, with some snow or sleet.
6 SCOTLAND WEST	Same as No 0
↓7 ENGLAND N.W.	Same as No 5
↓8 ENGLAND S.W.	
↓9 IRELAND NORTH	NE.ly winds, strong, a gale in places, fair at first, some cold showers later.
↓10 IRELAND SOUTH	
WARNINGS	At 10·10 am today to districts 8 and 10. "Keep up North Cone", and to districts 1 and 2. "Hoist North Cone". It is still flying in districts 3, 5, 7, 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 ...	30·51	38	31	NE	6	b	2
Sumburgh Head	30·53	41	36	NE	2	bc	4
Stornoway	30·33	45	41	E	4	bc	4
Aberdeen	30·46	39	33	ENE	6	bcq	6
Shields	30·31	39	34	NNE	5	c	6
Ardrossan	30·38	42	38	NE	3	c	2
Malin Head ...	30·45	44	41	NNE	5	b	4
Belmullet	30·46	47	42	ENE	6	c	*
Holyhead	30·24	41	36	NE	8	cqsp	7

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·30	46	38	NNE	6	bcq	6
Scilly	29·97	44	39	NNE	8	csp	4 5
Jersey	29·71	39	38	NNE	8	o	5
Hurst Castle ...	29·80	38	36	NNE	6	csp	4
Dungeness ...	29·69	38	37	ENE	8	r	6
North Foreland	29·80	36	36	NE	8	r	7
London (Westminster)	29·85	35	35	NE	5	os	*
Yarmouth ...	29·88	37	35	NE	9	cgq	6
Rochefort ...	29·72	43	40	NNW	4	c	*

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.

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,, Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Sunday 27th March, 1898.

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 ...	30·62	0	Z	0	b	30·52	—·17	0	−2	+ 4	Z	0	b	*	b	*	12	−15	—
	Hernösand ...	30·63	24	Z	0	0	30·61	—·05	11	10	— 4	Z	0	b	*	0	*	32	3	—
	Stockholm ...	30·38	31	ENE	2	b	30·32	—·11	32	30	+ 1	ENE	6	b	*	b	*	36	28	—
	Wisby	30·19	36	ESE	6	0	30·08	—·20	33	32	— 1	ESE	8	0	*	0	*	39	32	—
	Karlstad ...	30·30	30	NNE	4	b	30·23	—·17	30	26	+ 2	NNE	4	b	*	b	*	*	*	—
	Bodö	30·57	28	E	2	b	30·49	·00	27	23	— 1	ESE	4	b	1	b	*	36	23	—
	Christiansund ...	30·39	33	ESE	2	0	30·32	—·15	33	29	+ 4	ESE	4	b	3	0	*	36	28	—
	Skudesnaes ...	30·15	36	NE	4	b	30·09	—·23	36	30	+ 5	NE	6	b	2	b	*	42	28	*
	Færder (Christiania Fjord)	30·23	34	NE	6	b	30·15	—·22	32	28	+ 4	NE	6	0	3	b	*	34	28	—
	Skagen (The Scaw)	30·06	36	ENE	6	0	29·95	—·26	35	34	+ 2	ENE	7	c	2	0	*	37	32	—
	Fanö	29·70	35	ENE	8	0	29·63	—·21	35	33	+ 1	ENE	6	0	*	0	*	36	34	0·16
	Sumburgh Head	30·07	37	NE	3	c	30·11	—·24	39	36	+ 2	NE	4	c	5	c	*	41	35	—
	Stornoway ...	30·14	40	E	4	c	30·10	—·22	40	37	+ 3	E	4	c	4	c	5·8	42	34	—
	Wick	30·13	39	E	3	bc	30·05	—·24	41	40	+ 2	E	4	bc	4	bc	*	43	37	—
	Nairn	30·09	39	ENE	3	c	30·04	—·21	42	38	+ 7	ENE	3	bc	2	c	*	43	32	—
	Aberdeen ...	30·05	38	ENE	6	ogpq	29·98	—·27	40	36	+ 4	NE	6	ogq	7	ogqp	0·2	40	36	0·02
British Islands.	Leith	29·95	37	NE	4	r	29·90	—·25	39	37	+ 2	ENE	2	r	*	r	*	40	35	0·14
	Shields	29·84	37	NNE	6	op	29·77	—·27	40	39	+ 3	NE	6	op	6	osp.op	*	40	34	0·18
	Spurn Head ...	29·51	38	NE	9	o	29·53	—·22	39	37	0	NE	6	oq	6	oq.r	*	40	36	0·15
	York	29·69	38	NNE	5	rsq	29·66	—·24	39	37	+ 4	NNE	4	rsq	*	rsq	1·1	39	33	0·27
	Loughborough ...	29·55	37	NNE	6	r	29·53	—·28	37	37	+ 1	NE	4	od	*	spq.s.d	*	40	34	0·35
	Ardrossan ...	29·95	39	NE	2	0	29·88	—·27	40	39	+ 4	NE	3	0	2	c.o	*	41	35	—
	Malin Head ...	29·99	40	ENE	5	c	29·92	—·29	40	39	+ 2	E	5	o	3	c	*	41	36	—
	Belmullet ...	30·01	40	ENE	5	0	29·92	—·29	41	37	+ 2	E	6	o	*	0	*	48	35	0·01
	Donaghadee ...	29·93	39	NE	8	c	29·83	—·32	41	39	+ 3	NE	8	o	6	c	*	41	35	0·02
	Liverpool (Bidston)	29·72	38	NNE	5	0	29·64	—·29	39	37	+ 2	NNE	3	o	3	o	*	40	37	—
	Holyhead ...	29·77	39	NE	8	ophq	29·65	—·33	41	39	+ 3	NE	6	op	5	spq.hpq	*	41	36	0·06
	Parsonstown ...	29·90	39	N	1	0	29·76	—·35	39	36	+ 5	NE	2	o	*	o	6·6	42	33	—
	Valencia ...	29·89	41	NNE	5	cm	29·75	—·35	40	37	+ 4	NNE	6	oq	4	bcq.cm	7·8	43	35	—
	Roche's Point ...	29·84	42	NNE	5	c	29·68	—·35	41	39	+ 7	NE	5	c	3	c	*	45	34	—
	Pembroke (St. Ann's Hd.)	29·67	40	ENE	5	0	29·56	—·32	39	37	+ 2	NE	5	o	4	o	1·1	40	36	0·01
	Scilly	29·57	44	NNE	7	0	29·46	—·31	42	40	+ 2	NNE	6	ors	6	orq.o	0·8	44	37	0·01
	Prawle Point ...	29·45	39	NNE	7	0	29·41	—·27	37	36	+ 1	NNE	6	oq	6	o.sp	*	43	33	0·15
	Jersey (St. Aubin's)	29·31	39	NNE	6	r	29·35	—·18	40	38	0	E	3	c	3	rsq	*	41	37	0·42
	Hurst Castle ...	29·32	37	NNE	5	omprs	29·39	—·19	39	38	0	NE	3	om	2	o.mprs	*	40	36	0·10
	Dungeness ...	29·19	40	NNE	6	rq	29·36	—·05	41	39	+ 3	ENE	4	bc	3	r	*	41	36	0·20
	North Foreland	29·28	40	NE	7	r	29·39	—·10	40	38	+ 2	NE	3	c	2	r	*	40	35	0·27
	London (Brixton) ...	29·34	36	NE	6	qrs	29·42	—·17	37	36	+ 1	NNE	3	op	*	orsq	0·0	39	35	0·21
	Oxford	29·43	35	N	6	r	29·44	—·25	38	37	+ 2	NNE	4	r	*	oqrs	*	39	35	0·17
	Cambridge ...	29·41	36	N	5	s	29·45	—·22	38	38	+ 1	NNE	4	d	*	rsq	0·0	40	34	0·34
	Yarmouth ...	29·36	37	NE	8	rqq	29·41	—·19	38	37	+ 1	NE	5	r	5	rsqq	*	39	35	0·36
Germany & Holland.	Cuxhaven ...	29·49	36	E	9	r	29·41	—·18	35	35	— 1	E	6	r	*	r	*	37	34	0·32
	Berlin	29·45	40	ESE	5	0	29·43	—·13	39	38	+ 3	S	4	c	*	o	*	41	36	0·39
	Wiesbaden ...	*	*	*	*	*									*	*	*			
	Munich	29·33	39	SW	4	b	29·38	+ ·13	32	32	— 4	E	3	f	*	b	*	48	30	—
	The Helder ...	29·34	36	ENE	5	r	29·39	—·12	36	35	— 1	NE	2	r	2	r	*	37	36	0·39
Germany & Belgium.	Brussels ...	*	*	*	*	*	29·40	+ ·08	37	34	+ 3	SE	1	o	*	o	*	38	32	0·39
	Cape Gris Nez ..	?	39	ENE	6	o	?	?	?	?	?	E	1	o	2	o	*	43	30	0·28
	Paris	29·21	34	ESE	2	s	29·30	+ ·02	34	33	+ 2	NE	2	c	*	s	*	37	30	0·39
	Brest	29·48	41	NE	5	o	29·37	—·26	40	39	+ 2	NE	4	r	3	o	*	41	34	0·35
	Lorient.. ...	29·36	41	N	6	o	29·33	—·19	41	41	+ 3	N	4	r	3	o	*	43	37	0·32
France & Belgium.	Rochefort ...	29·32	40	NNW	6	r	29·37	—·06	41	39	+ 4	NNW	4	o	*	r	*	41	36	0·16
	Belfort	29·28	38	NW	3	bc	29·30	—·02	30	28	+ 1	E	5	c	*	bc	*	44	28	—
	Lyons	29·33	36	S	3	o	29·29	—·10	35	34	+ 15	S	4	b	*	o	*	44	30	—
	Nice	29·42	39	NW	4	b	29·49	+ ·11	35	33	— 1	NNW	1	r	3	b	*	50	30	0·08
	Perpignan ...	29·30	48	SW	3	c	29·48	+ ·02	41	38	+ 9	W	2	o	*	c	*	55	32	—
	Biarritz ...	29·38	44	WSW	7	r	29·44	+ ·09	47	44	+ 7	WSW	7	r	5	rh	*	46	37	0·75
Peninsula.	Corunna ...	29·69	50	N	1	bc	29·61	?	43	39	?	E	1	b	3	bc	*	50	34	0·08
	Lisbon	29·75	46	NW	3	b	29·58	—·15	42	39	— 1	NE	4	o	*	b	*	54	41	—
	Azores (P. Delgada)	29·34	54	NE	2	o	29·38	+ ·03	53	51	— 6	NE	5	r	5	o	*	61	52	0·20

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 0·9 hrs;

WEATHER CHARTS

FOR Sunday, 27th March, 1898

BAROMETER, WIND AND SEA.

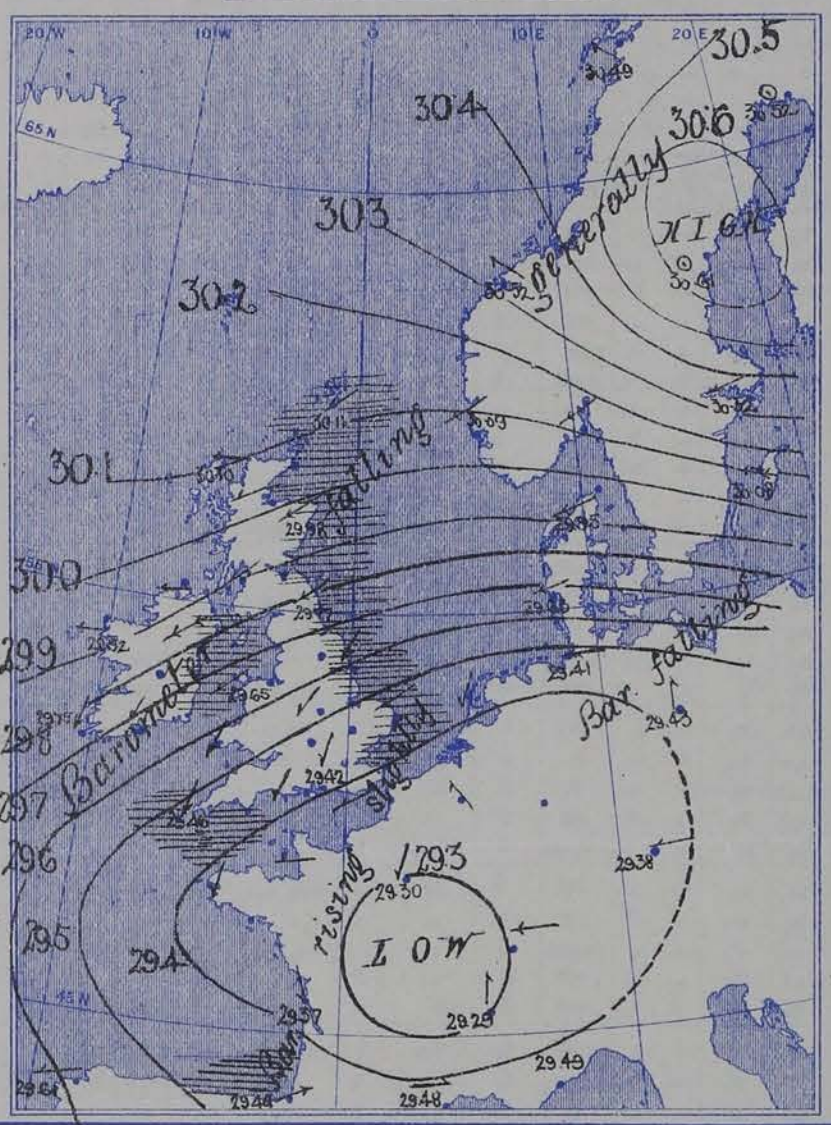
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▩

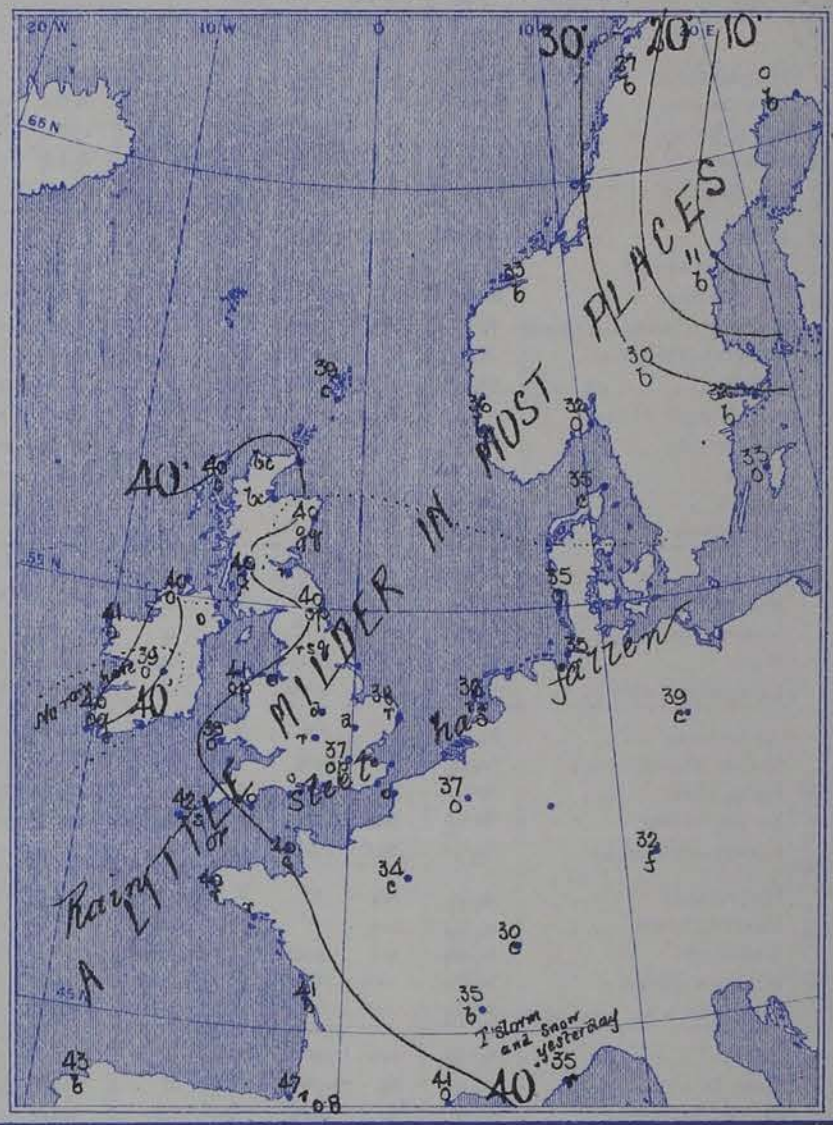


TEMPERATURE & WEATHER.

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. and upwards, over the southern part of the Gulf of Bothnia; 30·4 ins. and upwards in an anticyclone covering all the northern parts of Scandinavia.
Lowest, 29·3 ins. and less. in a well marked depression over Central France.
Gradients rather steep over Ireland, England, the North Sea, Denmark, and the south of Scandinavia, but moderate or slight elsewhere.
Barometer rising over France, the Netherlands and the southeast of England, falling in all other parts of our area

TEMPERATURE

Highest (1) 47° at Biarritz, 43° at Coruna, and 42° at Lisbon; (2) 42° to 40° at most of the western and northern stations in our Islands
Lowest (1) 0 Zero at Haparanda, +11° at Hernösand, and 27° at Bodo; (2) 30° at Belfort and 32° at Munich.
The maxima registered yesterday were below 45° in most parts of the United Kingdom; at several of the English stations the thermometer did not reach 40°.

WIND

E. or NE. over our Islands, Denmark, and the greater part of Scandinavia; strong in force in many places, with a gale at Donaghadee and also at Wick. Calm in the north of Sweden.
N. in the west of France, and W. in the south of that country, but E. or NE. in the western parts of the Spanish Peninsula.

WEATHER

Cloudy or dull over western Europe generally, with showers of rain or sleet in many parts of England, and also in the east of Scotland.
Rain is falling at the Helder, Cuxhaven, Nice, and Biarritz.
Fine in the north of Scotland and also over the greater part of Scandinavia.
Rain or snow fell yesterday at most of our stations, the latter as far south as Nice and Sanguinaire, where also thunderstorms were reported. Lightning was seen at Perpignan.

SEA

High at Aberdeen and rough or rather so on nearly all other parts of our coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 28th March 1898

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 districts 1 to 3, 5, 7, 8, 10 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 ...	30·20	42	35	NE	6	b	2
Sumburgh Head	30·23	40	35	NE	1	c	3
Stornoway	30·21	41	37	E	4	c	4
Aberdeen	30·12	38	33	NE	6	ogq	6
Shields	29·91	35	35	NNE	6	osp	6
Ardrossan	30·02	40	37	NE	3	c	2
Malin Head ...	30·07	39	36	ENE	5	c	3
Belmullet	30·08	44	37	E	5	c	*
Holyhead	29·88	39	36	NE	8	ogmpa	7
Valencia	29·96	41	35	NNE	6	bcq	4
Scilly	29·64	42	39	~~N~~NE	7	cm	6
Jersey	29·38	41	39	NNW	7	opts	6
Hurst Castle ...	29·40	40	37	NNE	6	o	4
Dungeness ...	29·24	38	38	NNE	8	r	6
North Foreland	29·30	39	38	N	8	r	7
London (Westminster)	29·39	40	37	NNE	7	ogr:p	*
Yarmouth ...	29·39	39	38	NE	8	TSq	6
Rochefort ...	29·37	41	39	NNW	5	o	*

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

Weather in morning fine in Ireland, the west and north of Scotland, and the west of Norway, as well as over northern and central Russia. Cloudy or dull elsewhere, with snow or hail showers in many parts of England and the east of Scotland. Snow falling also at some of the Danish, Belgium, and northern French stations, and rain in several parts of France, Germany, Italy, and Austria. Rain or snow falling later over western, central, and southern Europe generally; thunderstorms occurring at Nice and Sanguinaire, and lightning seen at Perpignan.

Temperature fallen in the west and north of our Islands, as well as in Spain, Italy, and the northern parts of Sweden and Russia; risen in most other parts of Europe. Morning readings highest 60° at Pindini and Malta, 59° at Sfax, and 56° at Lesina and Malta; above 50° in Algeria. Lowest −12° F. at Archangel, −4° at Haparanda, +4° at Kuopio, and 6° at Ulleaborg; below the freezing point over northern and eastern Europe generally, as well as in Central France, and very little above it in many parts of our Islands. Daily maxima below 40° at several of the English stations, as well as in the neighbouring parts of the Continent; thermometer exceeding 50° over the Spanish Peninsula and the extreme south of France.

Wind E^{ly} or NE^{ly} over the northern parts of our Islands and the Continent, with a gale in Denmark and North Germany. Strong to a gale from the N^{w} or NE^{n} over England, the Netherlands, and the north of France. W^{ly} over the Spanish Peninsula and the extreme south of France; S^{ly} or SE^{ly} over Italy and Austria. Gale subsiding late in the south of England, but wind increasing in the east of Scotland; no important change occurring elsewhere.

Barometer highest 30·7 in: and upwards over Northern Russia; 30·3 in: and upwards in an anticyclone embracing the greater part of northern Europe and extending eastwards to the extreme north of Scotland. Lowest 29·2 in: and less, in a well marked depression over Western Germany; gradients steep over our Islands, the North Sea, Denmark, and Germany. Depression subsequently moving southeastwards and partially filling up; barometer falling in most parts of Western 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.

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DAILY WEATHER REPORT

for 8 a.m. on Monday, 28th March, 1898.

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 ...	30.43	6	Z	0	b	30.29	-.23	7	6	+7	S	2	b	*	b	*	18	-17	-
	Hernösand ...	30.48	13	Z	0	S	30.30	-.31	7	7	-4	Z	0	bc	*	b	*	34	1	-
	Stockholm ...	30.17	30	NE	6	S	29.99	-.33	32	30	0	ESE	6	o	*	S	*	32	28	-
	Wisby	29.98	31	ESE	6	S	29.90	-.28	33	32	0	SE	8	r	*	S	*	34	28	0.71
	Karlstad ...	30.18	29	E	6	S	29.89	-.34	29	28	-1	ENE	6	o	*	S	*	*	*	0.08
	Bodö	30.31	28	Z	0	b	30.10	-.39	23	23	+1	E	4	r	1	b	*	32	23	-
	Christiansund ...	30.17	36	ESE	2	b	29.96	-.36	35	32	+2	ESE	5	b	3	b	*	41	32	-
	Skudesnaes ...	29.93	37	NE	8	o	29.82	-.27	34	31	-2	NNE	2	o	2	c,o	*	41	32	*
	Færder (Christiania Fjord)	30.07	32	ENE	6	o	29.84	-.31	28	28	-4	NNE	7	c	3	o	*	37	27	-
	Skagen (The Scaw)	29.90	34	ENE	7	o	29.68	-.27	31	31	-4	ENE	7	S	2	o	*	39	31	0.08
	Fanö	29.62	36	ENE	6	o	29.50	-.13	33	32	-2	NE	2	S	*	o	*	36	33	0.08
British Islands.	Sumburgh Head	29.98	40	NE	3	bc	29.80	-.31	39	37	0	Z	0	c	4	bc	*	43	36	-
	Stornoway ...	29.96	44	E	5	r	29.78	-.32	39	37	-1	ENE	5	bc	5	bc	5.9	45	34	-
	Wick	29.99	40	E	4	o	29.76	-.29	39	37	-2	SE	2	c	2	o	*	44	36	-
	Nairn	29.91	39	NE	2	c	29.75	-.29	37	36	-5	NE	3	rhsp	3	c	*	42	31	0.11
	Aberdeen ...	29.85	37	NE	6	ggrshp	29.69	-.29	37	36	-3	E	6	oggp	8	grshp	0.0	42	34	0.20
	Leith	29.81	38	NE	2	r	29.58	-.32	38	38	-1	E	3	r	*	rsp	*	40	34	0.42
	Shields	29.69	38	NE	6	orsp	29.48	-.29	39	38	-1	E	5	p	6	rsp	*	40	35	0.13
	Spurn Head ...	29.50	37	NE	6	op	29.41	-.12	40	38	+1	E	3	cgp	5	o,p	*	40	35	0.09
	York	29.61	38	NNE	2	op	29.41	-.25	37	36	-2	ENE	1	op	*	c.op	1.0	41	34	0.05
	Loughborough ...	29.55	37	NNE	3	o	29.44	-.09	36	35	-1	NNW	1	cm	*	ops,r,c	*	40	33	0.11
	Ardrossan ...	29.78	41	NE	2	o	29.58	-.30	36	36	-4	N	2	osp	1	o	*	45	33	-
	Malin Head ...	29.83	44	E	4	o	29.66	-.26	38	38	-2	E	3	bp	2	o	*	44	36	0.05
	Belmullet ...	29.86	43	ENE	4	o	29.70	-.22	41	38	0	NE	2	b	*	o	*	46	35	0.02
	Donaghadee ...	29.77	42	ENE	8	c	29.58	-.25	39	38	-2	NE	8	o	6	c	*	43	38	0.01
	Liverpool (Bidston)	29.63	40	NE	4	o	29.46	-.18	38	36	-1	NW	3	o	3	o	*	44	35	-
	Holyhead ...	29.67	42	NE	5	cpq	29.51	-.14	40	37	-1	NNE	4	cp	3	cpq	*	43	37	0.01
	Parsonstown ...	29.76	42	N	1	o	29.61	-.15	37	35	-2	N	1	c	*	o	0.0	44	35	-
	Valencia ...	29.71	43	NE	6	ogm	29.62	-.13	40	37	0	ENE	2	bcm	3	ogm	0.2	45	33	-
	Roche's Point ...	29.68	44	ENE	5	o	29.58	-.10	40	37	-1	NNE	4	c	3	p.c,o	*	45	38	-
	Pembroke (St. Ann's Hd.)	29.59	42	NE	4	o	29.51	-.05	40	38	+1	NE	2	b	2	o	0.0	43	36	-
	Scilly	29.49	45	NE	5	o	29.48	+.02	42	40	0	ENE	2	bc	2	o	0.3	46	39	-
	Prawle Point ...	29.49	40	NE	4	c	29.49	+.08	42	40	+5	NE	3	bc	3	rm,c	*	43	34	0.06
	Jersey (St. Aubin's)	29.44	44	NNE	3	bm	29.46	+.11	41	39	+1	NNW	3	om	3	c.bm	*	46	39	0.02
	Hurst Castle ...	29.44	41	NNE	3	o	29.46	+.07	38	36	-1	NNW	2	cm	1	ap,o	*	42	34	-
	Dungeness ...	29.38	38	N	4	r	29.40	+.04	37	36	-4	NW	3	o	2	c,r	*	45	34	0.07
Germany & Holland.	North Foreland	29.40	37	N	3	r	29.40	+.01	37	36	-3	NW	2	c	1	c,o,r	*	42	34	0.17
	London (Brixton) ...	29.43	38	NE	4	o2m	29.42	.00	36	35	-1	N	1	ogm	*	op.c.og	0.0	41	35	0.06
	Oxford	29.51	37	NE	3	o	29.45	+.01	35	34	-3	NNW	3	a	*	op	*	40	34	0.11
	Cambridge ...	29.47	37	N	3	o	29.42	-.03	36	36	-2	NNW	2	a	*	or	0.0	42	33	0.16
	Yarmouth ...	29.41	37	ENE	5	c	29.40	-.01	37	36	-1	Z	0	f	5	rs,c.s	*	39	34	0.19
	Cuxhaven ...	29.46	38	S	3	c	29.42	+.01	35	35	0	ENE	3	o	*	r.c	*	38	35	0.08
	Berlin	29.46	46	E	4	o	29.44	+.01	41	39	+2	SE	2	o	*	o	*	52	36	0.16
	Wiesbaden ...	*	*	*	*	*	29.48		36	36		NW	1	o	*	*	*	50	36	-
	Munich	29.38	42	SE	2	b	29.52	+.14	34	33	+2	SW	3	c	*	b	*	50	30	-
	The Helder ...	29.36	35	Z	0	r	29.43	+.04	38	37	+2	ENE	2	o	3	r	*	38	32	0.24
France & Belgium.	Brussels ...	*	*	*	*	*	29.43	+.03	35	35	-2	SSW	1	f	*	o	*	49	32	-
	Cape Gris Nez ...	?	39	NE	1	r	?	?	38	36	?	N	2	o	2	r	*	45	30	0.24
	Paris	29.38	41	NNW	2	c	29.46	+.16	35	34	+1	SSW	2	o	*	c	*	45	33	-
	Brest	29.43	43	NE	2	bc	29.45	+.08	40	40	0	NE	2	o	1	bc	*	46	39	-
	Lorient	29.44	44	W	1	c	29.47	+.14	37	36	-4	E	2	b	2	c	*	50	36	-
	Rochefort ...	29.48	41	NNW	3	o	29.55	+.18	35	?	-6	ENE	4	c	*	o	*	45	32	-
	Belfort	29.41	34	SSW	5	o	29.47	+.17	33	32	+3	SW	3	m	*	o	*	43	30	-
	Lyons	29.46	40	W	1	o	?	?	32	32	-3	SSE	1	f	*	o,s	*	46	30	0.08
	Nice	29.79	44	SW	3	r	29.54	+.05	41	40	+6	ENE	1	bc	3	r	*	48	35	0.32
	Perpignan ...	29.50	50	NE	2	b	29.53	+.05	43	42	+2	SW	2	o	*	b	*	58	37	-
	Biarritz ...	29.49	52	WSW	4	b	29.39	-.05	39	36	-8	E	3	bc	3	b	*	54	37	-
Penin-sula.	Corunna ...																*			
	Lisbon	29.31	?	ENE	4	o	29.46	-.12	49	48	+7	NNE	3	o	*	o	*	52	42	0.32
	Azores (P. Delgada)	29.65	51	NNW	3	b	29.73	+.35	57	53	+4	SW	4	bc	4	b	*	59	48	-

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 0.3 hrs;

WEATHER CHARTS

FOR ..... Monday, 28th March, 1898

BAROMETER, WIND AND SEA.

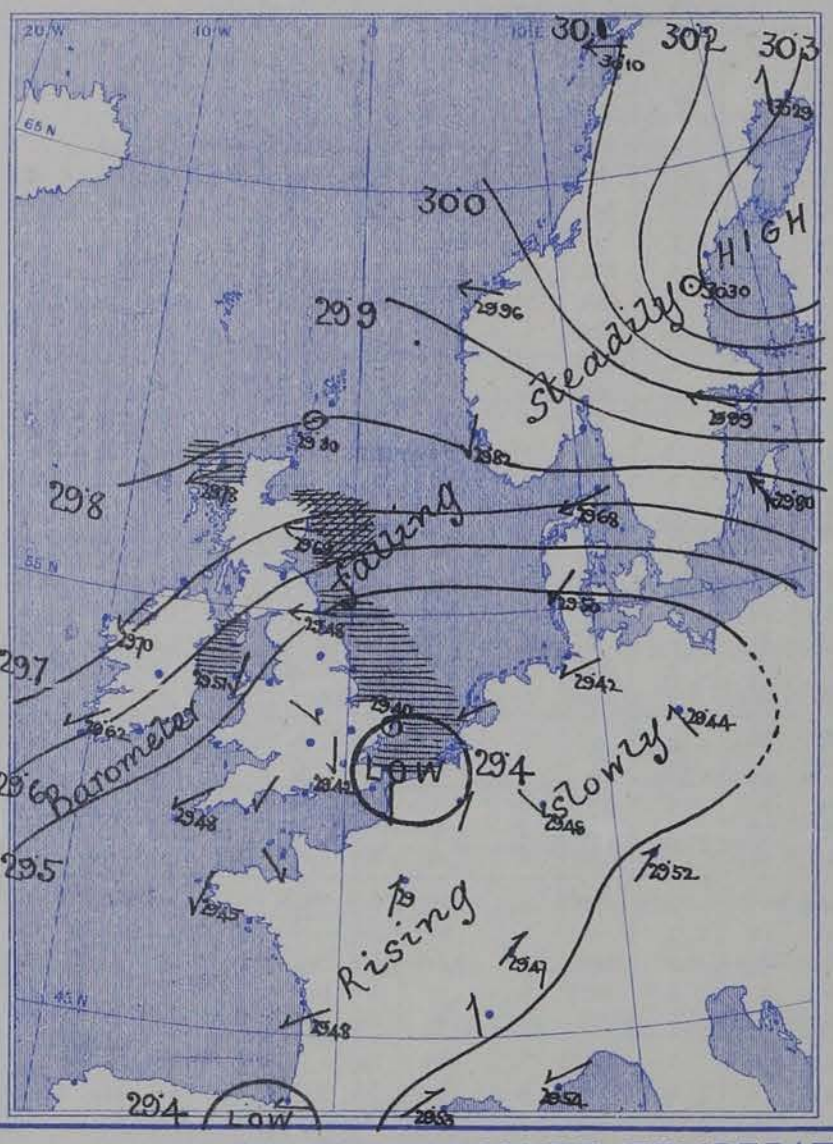
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▨

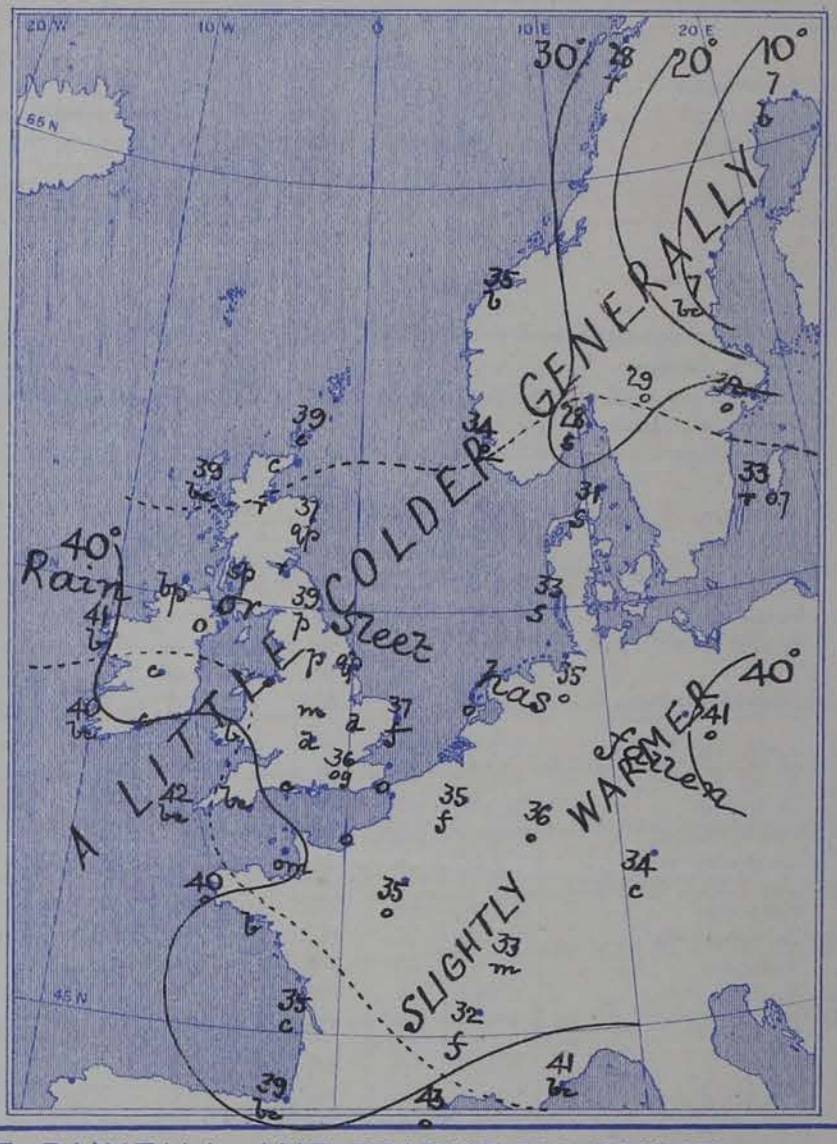


TEMPERATURE & WEATHER.

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 upwards over the Gulf of Bothnia.
Lowest, 29·4 ins: and less, in a small depression lying off the east and southeast of England, and also in a larger system over Spain.
Gradients slight generally, but rather steep over the southern parts of Sweden.
Barometer steady in the east and southeast of England, and rising a little at most of the French and German stations, but falling elsewhere.

TEMPERATURE

Highest, (1) 49° at Lisbon, 43° at Perpignan and 41° at Nice; (2) 42° at Scilly and Prawle Pt., and 41° at Belmullet and Jersey.
Lowest, 7° at Haparanda and Hernösand, 28° at Bodö and Færder, and 29° at Karlstad; lowest in our Islands 35° at Oxford.
The maxima registered yesterday were below 45° in all but our extreme west and southwest coasts; at many of our northern and eastern stations the thermometer did not exceed 40°.

WIND

E¹ or NE³ over Scandinavia, Denmark, and the northern and western parts of our Islands; strong to a gale in force in the South of Scandinavia.
Light from the NW^d over the central and southeastern parts of England, and from the S^th or SW^th over Belgium and Central France.
E¹ in the west of France.

WEATHER

Fine in the southwestern parts of the United Kingdom, and the west and south of France, as well as in the north of Sweden.
Cloudy or dull elsewhere, with showers of cold rain or sleet in the north and east of our Islands. Snow is falling in Denmark, and rain or snow at several of the Scandinavian stations.
Rain or sleet fell yesterday in many parts of Western Europe.

SEA

Very high at Aberdeen, and rough or rather so on the more exposed parts of our northwest, north, and east coasts generally, but moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The shallow depression off our east and southeast coasts is likely either to disperse or to move northwards, and a temporary improvement in the weather is anticipated over the southeastern parts of England. The general conditions are, however, still far from settled.

FORECASTS

For the 24 hours ending at NOON on 29th March, 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	E⁴ and NE⁴ winds, strong in places; unsettled, with rain or sleet showers.
1	SCOTLAND EAST	
2	ENGLAND N.E.	E⁴ and NE⁴ winds, moderate; changeable, some cold showers.
3	ENGLAND EAST	Wind veering to the NE^wd, dull at first with some rain or sleet; improving temporarily later.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	NE⁴ winds, moderate or fresh; changeable, some cold showers.
7	ENGLAND N.W.	
8	ENGLAND S.W.	NE⁴ winds, moderate or fresh; fine at first, showery later.
9	IRELAND NORTH	Same as Nos 6 and 7.
10	IRELAND SOUTH	Same as No 8.
	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 00	41	37	NE	6	c	2
Sumburgh Head							
Stornoway	30.08	45	40	E	5	bc	5
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29.90	43	40	E	4	0	3
Belmullet	29.89	44	40	NE	6	c	*
Holyhead							
Valencia							
Scilly							
Jersey	29.41	44	41	ESE	3	c	3
Hurst Castle ...							
Dungeness ...	29.38	44	42	S	3	c	3
North Foreland	29.41	39	38	N	3	0	3
London (Westminster)							*
Yarmouth ...							
Rochefort ...	29.46	43	39	N	3	0	*

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

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 20TH TO THE 26TH MARCH.

During the early part of the week a large anticyclone spread over Western Europe from the Atlantic, its central area being situated on the 21st and 22nd directly over Ireland, England, and the neighbouring portions of the Continent. On our northern coasts the wind was chiefly W. (NW to SW), and in the south E. or NE., variable breezes being reported in the more central districts. The weather was fine on all but our extreme north and northwest coasts, with fairly high temperatures in the daytime, but with sharp frosts at night over the inland parts of England.

After the 22nd an important change took place. During that day the barometer fell generally, and at night a well marked depression advanced towards the north of Scotland from the NW. In the course of the next two days the centre of the disturbance continued to move southeastwards along our east coasts and across the Netherlands and Germany, the wind in its rear increasing to a fresh or strong gale from the N. or NE. in all but the extreme northern and northwestern parts of the Kingdom, with frequent snow squalls over England and the east of Scotland. Owing to numerous small secondary disturbances which appeared to the northward of the main system, and which spread out in a westerly direction the gale continued throughout the 25th, while the formation of a new and well marked depression over Germany on the 26th caused a further prolongation of very rough weather until the close of the week. Showers of snow, sleet, or hail continued to prevail over England daily, and temperature was very low for the time of year, especially on the 25th and 26th, when the thermometer in many parts of England failed to reach 40°.

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 29th March, 1898.

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.	Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Change since Yesterday.	Temperature. Dry Bulb.	Wet Bulb.	Change since Yesterday.	Wind Direc.	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 ...	30·06	8	2	0	c	29·83	−·46	27	26	+ 20	S	2	c	#	c	#	27	0	0·08
	Hernösand ...	29·99	27	2	0	0	29·82	−·48	32	32	+ 25	S	2	s	#	0	#	32	−2	0·04
	Stockholm ...	29·89	34	SE	2	s	29·81	−·18	35	34	+ 3	E	2	0	#	s	#	35	28	0·12
	Wisby	29·83	35	SSE	4	r	29·78	−·02	34	33	+ 1	SSE	4	s	#	r	#	34	30	—
	Karlstad ...	29·96	33	NE	4	s	29·73	−·16	34	33	+ 5	ENE	2	0	#	s	#	#	#	—
	Bodö	? 29·79	33	E	4	b	29·46	−·64	37	35	+ 14	ENE	1	0	1	b	#	37	23	—
	Christiansund ...	29·63	40	WSW	1	bc	29·61	−·35	39	37	+ 4	WSW	4	0	3	bc	#	43	34	—
	Skudesnaes ...	29·61	33	E	4	0	29·55	−·27	37	35	+ 3	ESE	4	0	2	s,0	#	37	30	#
	Færder (Christiania Fjord)	29·67	33	E	6	0	29·64	−·20	35	35	+ 7	ENE	4	0	3	0	#	35	28	0·28
	Skagen (The Scaw)	29·63	36	ESE	3	0	29·60	−·08	35	34	+ 4	SSE	3	0	0	0	#	36	31	0·32
	Fanö	29·52	38	E	2	c	29·54	+·04	37	37	+ 4	E	2	c	#	c	#	39	33	—
	Sumburgh Head	29·58	37	NE	3	r	29·47	−·33	36	35	− 3	ENE	2	rsp	4	c,r	#	43	32	0·28
	Stornoway ...	29·65	42	ENE	4	bc	29·44	−·34	38	38	− 1	ENE	5	0	5	b,bc	4·4	45	35	0·40
	Wick	29·57	40	SE	4	0	29·40	−·36	40	38	+ 1	ESE	3	0	3	0.rsp	#	43	37	0·08
	Nairn	29·59	38	2	0	0	29·38	−·37	35	35	− 2	SW	1	0	1	0,s	#	41	31	0·48
	Aberdeen ...	29·58	37	NE	2	opg	29·42	−·27	37	35	0	S	1	c	3	opg,rs	0·1	42	33	0·08
	Leith	29·56	39	NE	2	0	29·39	−·19	35	35	− 3	2	0	om	#	0	#	44	33	0·40
	Shields	29·51	37	ENE	4	op	29·45	−·03	35	35	− 4	SW	1	f	4	op	#	41	32	0·17
	Spurn Head ...	29·45	38	E	3	r	29·45	+·04	39	38	− 1	WSW	1	0	3	r	#	42	36	0·32
	York	29·46	40	ENE	1	0	29·46	+·05	35	34	− 2	NNE	1	0	#	op	0·2	42	33	0·12
	Loughborough ...	29·43	40	W	1	0	29·46	+·02	34	34	− 2	SE	1	fw	#	r,c,odf	#	44	34	0·06
British Isles.	Ardrossan ...	29·54	41	ENE	2	om	29·36	−·22	37	37	+ 1	2	0	rsmw	1	omw	#	43	34	0·24
	Malin Head ...	29·55	43	E	5	chp	29·41	−·25	40	40	+ 2	N	5	or	3	bc,chp	#	44	36	0·14
	Belmullet ...	29·62	44	ENE	4	bc	29·56	−·14	41	39	0	N	3	0	#	b,bc	#	46	35	0·03
	Donaghadee ...	29·53	43	ENE	8	0	29·43	−·15	36	35	− 3	WSW	4	c	3	0	#	43	29	—
	Liverpool (Bidston)	29·43	39	NE	2	0	29·45	−·01	37	36	− 1	2	0	0	?	0,p	#	43	36	0·02
	Holyhead ...	29·42	41	NE	2	cp	29·44	−·07	38	37	− 2	S	1	mw	0	d,cp	#	42	35	0·07
	Parsonstown ...	29·50	39	NW	1	bc	29·49	−·12	35	33	− 2	2	0	b	#	bc,r	3·1	43	32	0·03
	Valencia ...	29·54	44	NNE	3	bc	29·52	−·10	40	37	0	ENE	2	bc	3	c,bc	7·0	46	34	—
	Roche's Point ...	29·51	43	NNE	3	0	29·49	−·09	39	36	− 1	NNE	3	b	3	0	#	46	36	—
	Pembroke (St. Ann's Hd.)	29·46	41	NW	2	bc	29·43	−·08	41	39	+ 1	W	2	bc	1	bc	6·5	48	36	0·05
	Scilly	29·47	45	NE	1	c	29·42	−·06	43	40	+ 1	NNW	1	c	0	c	1·2	48	39	0·05
	Prawle Point ...	29·47	41	SW	3	bc	29·46	−·03	40	39	− 2	ESE	2	c	1	bc,p	#	46	37	0·04
	Jersey (St. Aubin's)	29·49	42	ENE	1	bc	29·48	+·02	40	39	− 1	NE	2	cm	2	om,bcm	#	43	33	—
	Hurst Castle ...	29·46	42	WSW	2	cm	29·48	+·02	41	40	+ 3	WSW	3	op	2	om,cm	#	42	36	—
	Dungeness ...	29·44	40	WSW	1	c	29·47	+·07	43	41	+ 6	SSE	1	bc	0	c	#	43	36	—
Germany & Holland.	North Foreland	29·46	40	2	0	0	29·49	+·09	40	37	+ 3	SSW	1	c	1	c,0	#	41	35	—
	London (Brixton) ...	29·43	40	W	2	0g	29·47	+·05	40	38	+ 4	WSW	1	bm	#	odp,o,f	0·0	41	35	0·02
	Oxford	29·46	39	SW	1	0	29·47	+·02	39	37	+ 4	S	1	b	#	odp	#	41	34	—
	Cambridge ...	29·44	41	2	0	omg	29·48	+·06	37	37	+ 1	N	1	om	#	omg	0·1	44	32	—
	Yarmouth ...	29·43	40	SE	2	c	29·46	+·06	38	37	+ 1	SW	2	cf	4	c	#	41	35	0·04
	Cuxhaven ...	29·45	39	2	0	0	29·53	+·11	36	36	+ 1	S	1	0	#	0	#	41	35	—
	Berlin	29·58	44	2	0	b	29·65	+·21	38	37	− 3	2	0	b	#	b	#	50	34	—
	Wiesbaden ...	#	#	#	#	#	29·52	+·04	35	34	− 1	NW	2	b	#	#	#	46	32	0·04
	Munich	29·60	36	SE	3	b	29·51	−·01	33	32	− 1	E	4	c	#	b	#	45	28	—
	The Helder ...	29·45	39	2	0	c	29·50	+·07	37	36	− 1	2	0	m	1	c	#	41	32	—
Belgium.	Brussels ...	?	#	#	#	#	29·54	+·11	38	36	+ 3	SE	1	0	#	0	#	44	34	0·04
	Cape Gris Nez ...	?	41	W	1	m	?	?	39	37	+ 1	S	1	0	1	m	#	43	36	0·04
	Paris	29·52	41	ESE	2	0	29·51	+·05	38	37	+ 3	NNE	1	0	#	0	#	43	35	—
	Brest	29·47	44	SE	1	b	29·43	−·02	44	42	+ 4	SE	2	0	2	b	#	46	37	0·08
	Lorient	29·48	45	SSE	1	c	29·45	−·02	41	41	+ 4	ENE	2	b	2	c	#	50	36	—
France &	Rochefort ...	29·55	48	N	2	0	29·52	−·03	43	41	+ 8	SE	3	0	#	0	#	61	35	—
	Belfort	29·51	43	NNW	1	bc	29·46	−·01	33	31	0	ENE	3	0	#	bc	#	50	31	—
	Lyons	29·49	48	SW	1	0	29·45	?	38	38	+ 6	NW	2	r	#	0	#	51	32	0·20
	Nice	29·55	48	SE	1	c	28·94	−·60	46	41	+ 5	NE	1	r	5	c	#	57	41	0·04
	Perpignan ...	29·43	47	NE	2	r	29·45	−·08	44	41	+ 1	NW	3	0	#	r	#	58	39	1·54
	Biarritz ...	29·44	52	W	2	0	29·49	+·10	44	42	+ 5	SW	3	r	2	0	#	55	39	0·87
Peninsula.	Corunna ...																#			
	Lisbon	29·84	51	W	4	b	29·84	+·38	54	48	+ 5	SW	4	bc	#	b	#	63	49	0·12
	Azores (P. Delgada)	29·91	58	W	4	bc	29·90	+·17	59	54	+ 2	WSW	4	c	4	bc	#	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, 29. March, 1898

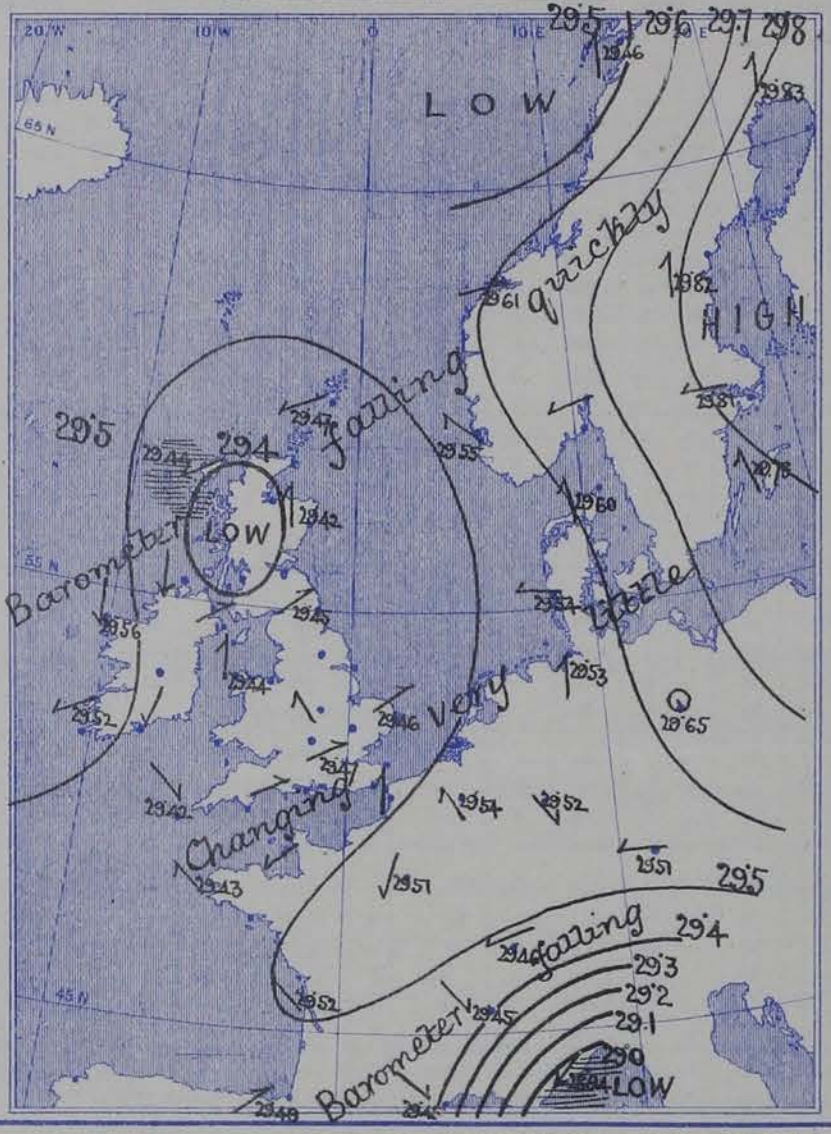
BAROMETER, WIND AND SEA.

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* ▬

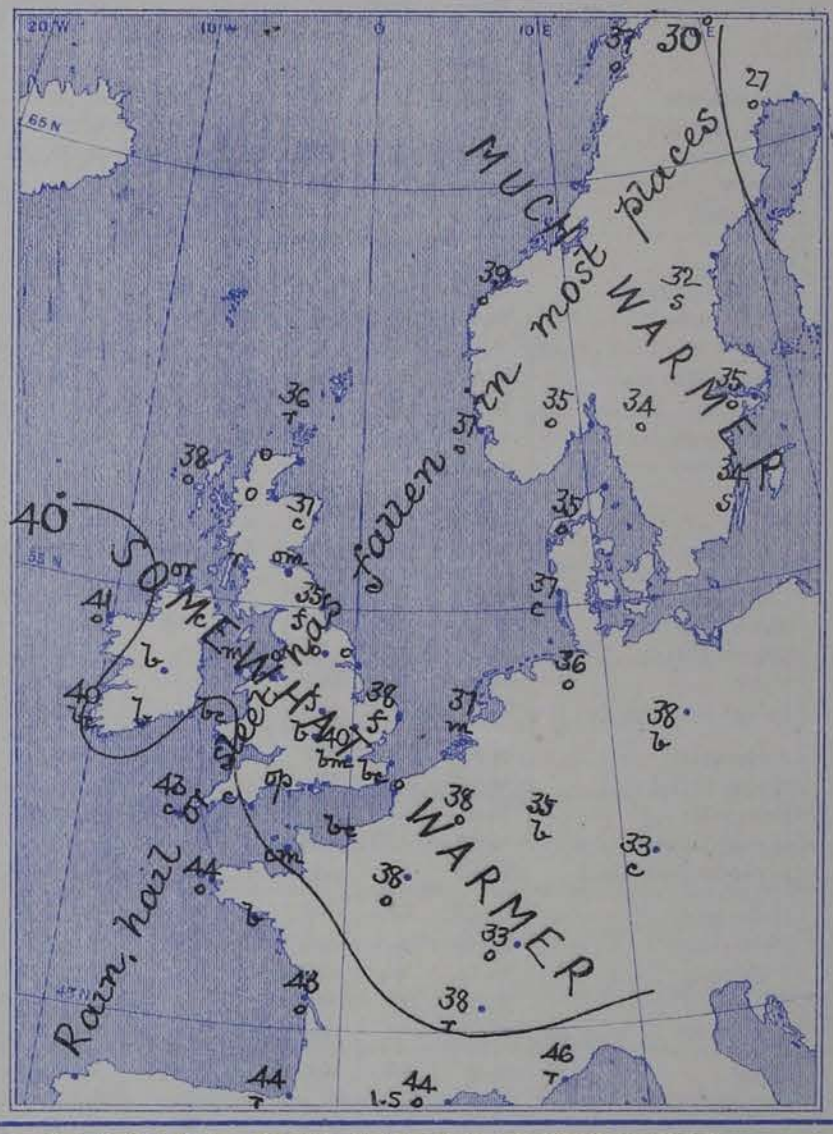


TEMPERATURE & WEATHER.

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 29.8 ins. and more to 29.6 ins. over Finland, the Baltic and greater part of Scandinavia, and exceeding 29.5 ins. in a "ridge" over central France.
Lowest (1) Below 29.0 ins. over the S.E. of France and neighbouring parts of the Mediterranean; (2) below 29.4 ins. in a shallow depression over Scotland.
Gradients slight except over the S.E. of France and N. of Italy. Distribution very complex.
Barometer falling fast both in the extreme N. and extreme S. of Europe, not changing decidedly over England.

TEMPERATURE

Highest 54° at Lisbon, 46° at Nice, 43° to 40° over the southern parts of our Islands.
Lowest (1) 27° to 35° at the Swedish stations; (2) 33° at Munich and Belfort, 35° at Wiesbaden, 38° at Paris, Brussels and Berlin; (3) 34° to 37° over the Midland counties of England.
It had risen slightly over England and France, rapidly over Sweden and Lapland.

WIND

(1) Light to moderate from N.E. over the north of Scotland, and from the N^wd. in Ireland; light and exceedingly variable over the other parts of our Islands and their neighbourhood.
(2) Blowing a gale from the NE^ly. at Nice.

WEATHER

Temporarily fair in many places, but in a very unstable condition all over the British Islands and the neighbouring countries. Rain was falling at Nice, Lyons, Biarritz, as well as at Kurk Castle, Malin Head and Bamburgh Head.
Heavy rain has fallen in the S. of France, a considerable amount at some of our own N^rn. stations and smaller quantities in several other localities. Bright Sunshine recorded yesterday was 7 hrs. at Valencia, 6½ hrs. at Pembroke, 4½ hrs at Stornoway, 3 hrs. at Llandudno
Over our S.E^rn. counties there was hardly any.

SEA

Continued rough in the extreme N., but was smooth both in the English Channel and at Holyhead.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The indications seem to point to very changeable showery weather in all parts of our Islands, with thunderstorms in several localities – but not strong winds at present.

FORECASTS

For the 24 hours ending at NOON on 30TH MARCH 1898

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	Very variable winds, light to moderate in force, rain at times, thunder in several places – very unsettled.	6 SCOTLAND WEST	Very variable winds, light to moderate in force, rain at times, thunder in several places – very unsettled
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 ...	29.70	35	32	NW	0	s	2
Sumburgh Head	29.65	43	38	NE	2	c	4
Stornoway	29.71	45	42	E	4	b	4
Aberdeen	29.65	40	37	E	4	ogq	7
Shields	29.53	40	39	ENE	4	op	6
Ardrossan	29.56	43	42	ENE	2	om	1
Malin Head ..	29.58	44	43	E	5	bc	3
Belmullet	29.66	45	40	NNE	3	b	*
Holyhead	29.44	40	39	E	1	d	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.57	44	39	NNE	3	c	3
Scilly	29.47	47	42	ENE	1	c	0
Jersey	29.49	43	40	SE	2	o	2
Hurst Castle ...	29.47	41	38	WSW	2	om	1
Dungeness ...	29.43	40	39	WSW	3	c	2
North Foreland	29.45	41	39	NW	1	c	1
London (Westminster)	29.43	42	39	WNW	1	og	*
Yarmouth ...	29.42	41	39	SE	1	c	4
Rochefort ...	29.56	57	53	ESE	2	b	*

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

Weather in morning fine and bright over S.E.n Europe, as well as over the N.rn half of Russia, the Gulf of Bothnia and the W.rn parts of Scotland and Ireland: dull, gloomy and very changeable elsewhere, with rain in the N. of England and at Oxford; as well as over Hungary & E.rn Russia. sleet in the E. of Scotland; snow on the E.rn shores of the North Sea; fog in several parts of France and W.rn Germany. Heavy rain falling later over the S. of France, and some considerable quantities of rain and wet snow over the N.rn parts of Gt. Britain — showers in several other places.

Temperature fallen in Scotland, risen a little over France, N. Germany and over Lapland. Morning reading highest 62° at Algiers, 56° at Malta, 52° at Oporto; 42° at Scilly, 41° at Belmullet; lower elsewhere. Lowest 3° F at Kuopio, 7° at Haparanda and Kemöoand, 8° at Moscow, and much below the freezing point over Russia generally; 35° to 37° over the central parts of England and Ireland, 29° to 35° over central France. Touching 46° at some of our W.rn stations later, and rising to 50° at Berlin, Belfort and Lorient, 57° at Nice, 58° at Perpignan.

Wind E.ly (SE to NE) over the northern parts of Europe generally, and still blowing strongly at many of the stations; extremely light and variable over the more S.rn countries, except over some parts of Spain. The E.ly wind moderating later, but variable airs continuing over England, and the greater parts of France and Germany.

Barometer highest 30.6 ins. to 30.1 ins. over Russia, Finland and the N.rn parts of Scandinavia, and exceeding 29.8 ins. (1) over Faröe and the Shetland Islands (2) over the south of Italy, Malta and Greece. Lowest below 29.4 ins in a depression over Spain, and below 29.5 ins in a very complex system covering the Bay of Biscay, England, the N. of France, the Netherlands and NW. Germany. Rising a little later over France and the S. and E. of England; falling fast over Scotland and the N. of Scandinavia.

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, 30th March, 1898

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	31	S	4	0	29.67	-.16	23	23	-4	S	2	S	*		*	32	7	-
	Hernösand ...	29.71	32	SE	2	f	29.67	-.15	33	32	+1	N	0		*		*	34	25	0.04
	Stockholm ...	29.74	33	N	0	0	29.75	-.06	34	33	-1	N	0		*		*	36	32	0.32
	Wisby	29.73	32	S	4	c	29.77	-.01	33	33	-1	SSE	4		*	c	*	34	28	0.16
	Karlstad ...	29.67	36	SE	2	r	29.70	-.03	36	35	+2	SE	2		*	r	*	*	*	-
	Bodö	29.48	34	SW	2	m	29.61	+.15	34	32	-3	NW	2	0	1	m	*	37	30	-
	Christiansund ...	29.60	43	WSW	2	0	29.66	+.05	36	35	-3	W	2	0	4	0	*	46	34	0.28
	Skudesnaes ...	29.60	38	N	0	0	29.65	+.10	34	33	-3	NNE	2	6	1	0	*	39	32	*
	Farder (Christiania Fjord)	29.63	27	SW	1	m	29.67	+.03	37	36	+2	N	1	m	1	m	*	37	34	0.12
	Skagen (The Scaw)	29.68	37	SSE	2	c	29.67	+.07	36	36	+1	SSE	1	m	0	c	*	37	28	0.04
	Fanö	29.58	41	N	0	c	29.57	+.03	38	38	+1	N	0	0	*	c	*	46	37	-
British Islands.	Sumburgh Head	29.46	38	NE	2	c	29.64	+.17	42	40	+6	E	2	c	4	0.c	*	42	34	0.13
	Stornoway ...	29.50	41	ENE	4	bc	29.61	+.17	37	36	-1	NE	5	bc	5	bc	5.7	43	33	0.10
	Wick	29.45	39	SE	3	0	29.51	+.11	36	35	-4	N	2	bc	2	0	*	45	30	0.03
	Nairn	29.48	40	E	1	bc	29.57	+.19	39	37	+4	WSW	1	c	1	bc	*	43	32	0.02
	Aberdeen ...	29.47	36	ESE	1	bc	29.57	+.15	39	37	+2	W	3	bc	1	c.bc	2.5	43	32	-
	Leith	29.45	37	NE	1	0	29.57	+.18	38	37	+3	E	1	0	*	rsp	*	38	33	0.26
	Shields	29.46	40	SE	3	c	29.57	+.12	37	37	+2	N	2	od	3	0	*	45	34	-
	Spurn Head ...	29.46	38	NNW	2	0	29.53	+.08	41	40	+2	ENE	2	c	3	op	*	43	35	0.03
	York	29.44	41	SE	1	0	29.55	+.09	37	36	+2	N	1	0	*	0	0.5	44	30	-
	Loughborough ...	29.45	40	N	0	c	29.54	+.08	32	31	-2	W	1	cf	*	c.op.cf	*	45	30	0.04
	Ardrossan ...	29.39	40	E	1	rm	29.54	+.18	40	39	+3	ENE	1	bm	1	om.rm	*	45	35	0.08
	Malin Head ...	29.40	41	N	4	b	29.56	+.15	42	41	+2	E	4	bcm	2	hp.b	*	42	37	0.09
	Belmullet ...	29.51	43	NNW	3	ep	29.59	+.03	43	40	+2	NE	3	0	*	r.ep	*	46	37	0.09
	Donaghadee ...	29.39	39	SE	4	p	29.54	+.11	40	39	+4	ENE	5	0	3	p	*	44	34	0.08
	Liverpool (Bidston)	29.44	41	W	1	be	29.53	+.08	38	36	+1	ESE	2	be	?	bcm	*	46	34	-
	Holyhead ...	29.43	42	SW	1	c	29.50	+.06	40	38	+2	E	2	cm	1	cm	*	45	37	-
	Parsonstown ...	29.43	42	N	0	0	29.51	+.02	34	33	-1	N	0	0	*	c.op	4.4	45	31	0.03
	Valencia ...	29.48	44	NNE	2	og	29.52	-.00	41	38	+1	ENE	1	0	3	c.og	5.9	48	36	0.02
	Roche's Point ..	29.46	45	NW	3	bc	29.49	-.00	39	37	0	NNW	4	c	3	be	*	49	37	-
	Pembroke (St. Ann's Hd.)	29.45	42	N	0	b	29.47	+.04	36	35	-5	SE	3	bc	3	b	9.8	46	34	-
	Scilly	29.44	45	N	2	c	29.37	-.05	44	42	+1	NE	4	c	1	cp.c	1.7	46	39	0.13
	Prawle Point ...	29.45	43	SSE	3	c	29.42	-.04	44	42	+4	ESE	4	c	3	c.pb	*	47	39	0.01
	Jersey (St. Aubin's)	29.46	47	ESE	2	cm	29.43	-.05	45	43	+5	SE	5	ogm	4	bc.c	*	50	39	-
	Hurst Castle ...	29.48	45	SSW	1	bc	29.49	+.01	45	43	+4	ENE	3	bcm	2	c.bc	*	49	37	-
	Dungeness ...	29.49	43	SSW	2	0	29.53	+.06	46	43	+3	SE	1	bc	0	c.o	*	49	32	-
	North Foreland	29.51	42	S	1	0	29.53	+.04	44	41	+4	N	0	b	0	c.o	*	44	35	0.02
	London (Brixton) ...	29.48	44	WSW	1	bc	29.53	+.06	39	37	-1	E	1	b	*	o,bc,b	1.5	49	28	-
	Oxford	29.49	39	S	2	bc	29.54	+.07	38	36	-1	N	0	bm	*	bc	*	50	31	-
	Cambridge ...	29.48	44	SW	1	b	29.55	+.07	35	34	-2	SW	1	bm	*	b	4.6	48	29	0.01
	Yarmouth ...	29.47	41	W	1	c	29.53	+.07	35	34	-3	SW	1	bcf	3	bc.c	*	43	34	-
Germany & Holland.	Cuxhaven ...	29.53	41	N	1	c	29.47	-.06	41	40	+5	E	3	0	*	c	*	45	36	-
	Berlin	29.54	39	SE	2	b	29.45	-.20	43	42	+5	ESE	3	0	*	b	*	55	38	-
	Wiesbaden ...	*	*	*	*	*	29.43	-.09	43	41	+8	NW	2	0	*	*	*	54	35	-
	Munich... ..	29.33	45	SE	3	0	29.43	-.08	39	38	+6	W	5	1	*	0	*	52	33	0.04
	The Helder ...	29.51	39	N	0	c	29.54	+.04	39	39	+2	N	0	0	1	c	*	45	36	-
Belgium.	Brussels ...	*	*	*	*	*	29.55	+.01	41	38	+3	NNW	1	0	*	0	*	48	35	-
	Cape Gris Nez...	29.49	42	SW	1	m	29.50	?	37	35	-2	SSE	1	m	0	m	*	48	34	-
	Paris	29.52	43	N	2	c	29.54	+.03	30	30	-8	NE	1	b	*	c	*	51	29	-
	Brest	29.40	47	ESE	2	0	29.38	-.05	44	42	0	W	3	c	3	0	*	50	41	-
	Lorient...	29.43	47	SSE	2	b	29.43	-.02	44	43	+3	NW	1	c	2	b	*	55	41	0.12
France &	Rochefort ...	29.53	50	WSW	2	bc	29.54	+.02	41	40	-2	S	2	m	*	c.bc	*	61	39	-
	Belfort	29.39	44	WSW	4	m	29.51	+.05	37	36	+4	W	2	m	*	m	*	46	33	-
	Lyons	29.52	41	NNW	1	r	29.58	+.13	35	35	-3	SE	1	b	*	r	*	41	33	0.55
	Nice	29.43	43	S	1	0	29.46	+.13	45	40	-1	SW	1	bc	3	0	*	50	41	0.47
	Perpignan ...	29.56	52	NW	3	0	29.54	+.09	42	41	-2	N	0	bc	*	0	*	56	37	-
	Biarritz ...	29.52	53	W	5	c	29.44	-.08	48	45	+4	SSE	2	0	2	c	*	55	44	-
Peninsula.	Corunna ...																*			
	Lisbon	29.73	53	WSW	5	0	29.66	-.18	51	50	-3	WSW	4	0	*	0	*	59	50	0.83
	Azores (P. Delgada)	29.88	56	NNW	3	c	29.85	-.05	54	50	-5	NNW	2	c	2	c	*	63	52	0.08

Erratum.- The 8 a.m. barometer reading at Nice in yesterday's Report should read "29.33"

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

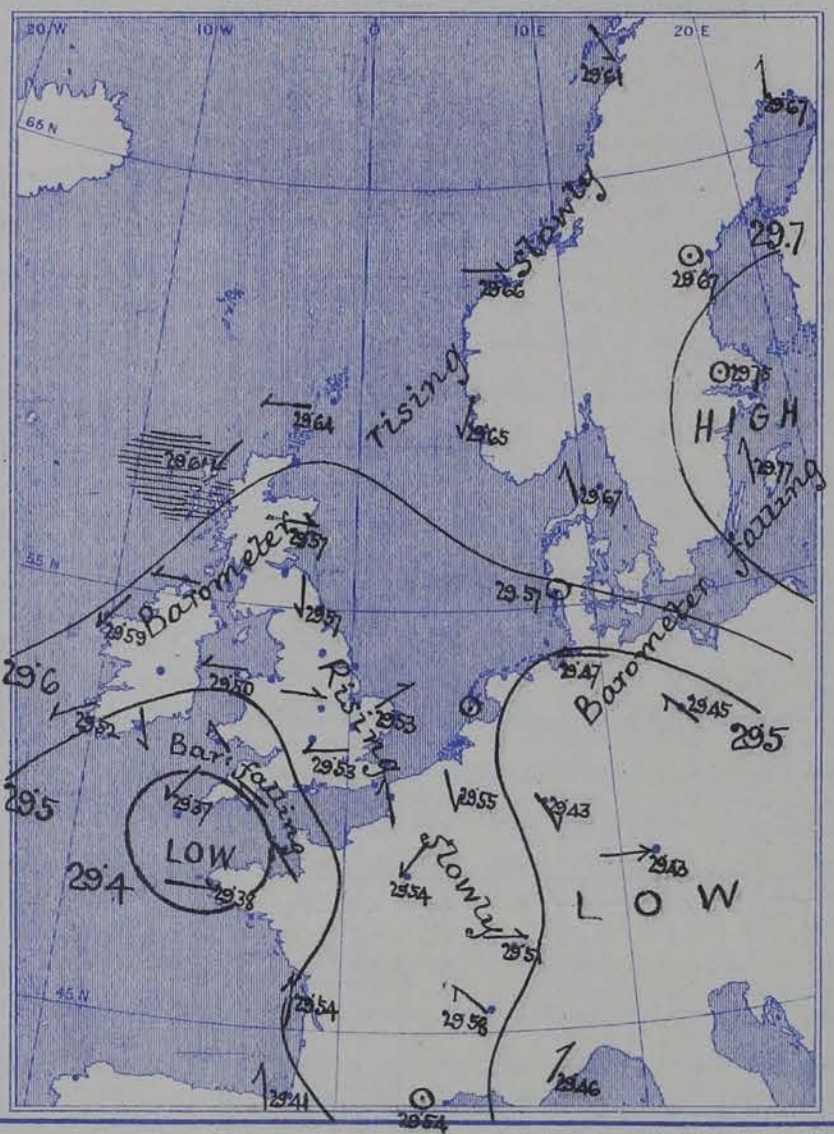
FOR Wednesday. 30th March 1898

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* ⟶ ; }

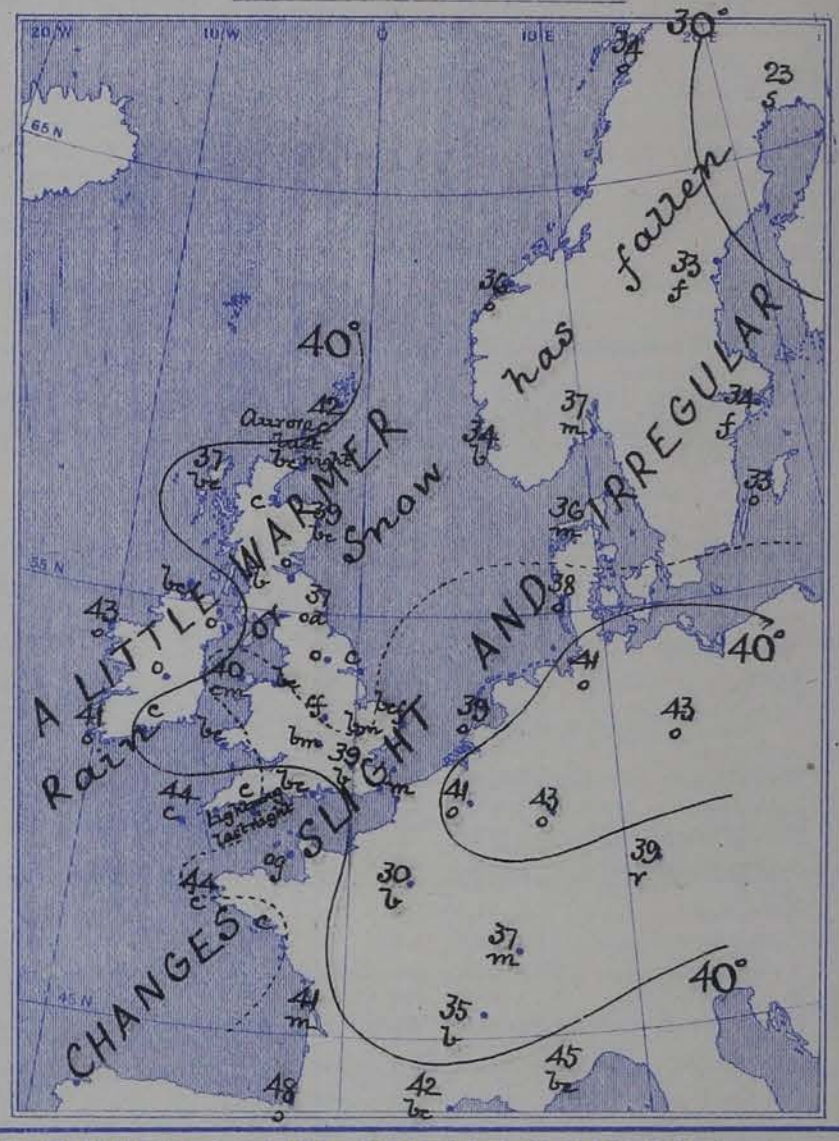
SEA—Rough ▤ : *High* ▨



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, 29·7 ins: and more over the Baltic and southeast of Sweden, and above 29·6 ins: over Scandinavia generally, the Shetlands and Hebrides, and all the neighbouring parts of the Atlantic.
Lowest, Below 29·5 ins: in a depression over Germany and also over the Bay of Biscay, and below 29·4 ins: in a small disturbance lying between the southwest of England and the coast of Brittany.
Gradient slight and very variable. Distribution remained complex. Barometer falling over Germany and at the mouth of the Channel, rising at all the more northern stations.

TEMPERATURE

Highest, 48° to 40° on the western and southern coasts of France, 46° to 44° along the south coast of England, 43° at Berlin.
Lowest, (1) 23° at Haparanda, 33° at Wick, 34° at Skudenaes: (2) 32° to 37° over our Midland counties.
A very sharp frost occurred on the grass over the inland parts of England and Ireland early this morning. In London the thermometer went down to 28° in the shade and 20° on the grass.

WIND

Mainly NE over Scotland and Ireland, E over Devon and Cornwall, very light and variable over other parts of England; on the coasts of Brittany it is W. and at Jersey SE. strong.

WEATHER

Fair in most places, and in some of them clear, but is nevertheless far from being settled. Over Germany the sky is overcast and at Munich rain is falling.
Aurora has been seen at Wick, a lunar halo at Stornoway, and a brilliant solar halo at Jersey. Showers have fallen in the north and west.
Bright Sunshine recorded yesterday amounted to 9·8 hrs at Pembroke, more than 5 hrs at Stornoway and Valencia; at Eastbourne it was 6·4 hrs: and at Brighton 6 hrs.

SEA

Moderate in the far north, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The general condition of the weather is still very unstable, but no decided tendency is noticeable at present.

FORECASTS

For the 24 hours ending at NOON on 31st MARCH 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Variable and NE breezes; some showers, colder.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Very Variable airs; fine, hazy, very cold tonight.
3	ENGLAND EAST	Same as No. 5.
4	MIDLAND COUNTIES	Same as No. 2.
5	ENGLAND SOUTH	E breezes, light; fine, hazy. Frosty tonight.
6	SCOTLAND WEST	Same as Nos. 0 and 1.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Very Variable winds, mainly E to N; unsettled, some rain.
9	IRELAND NORTH	NE to NW winds, light, fine. Very cold tonight, some fog.
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 ...	29·58	39	37	ESE	4	o	2	Valencia	29·50	46	42	WNW	2	c	3
Sumburgh Head	29·48	41	40	ENE	2	o	4	Scilly	29·44	45	41	NNE	2	cp	o
Stornoway	29·47	43	41	ENE	4	bc	4	Jersey	29·48	48	45	ENE	2	bc	2
Aberdeen	29·45	40	38	ESE	3	c	3	Hurst Castle ...	29 48	49	44	SW	2	c	2
Shields	29·45	41	39	SE	2	o	4	Dungeness ...	29·48	46	43	SSW	2	c	1
Ardrossan	29·37	42	40	SW	1	om	o	North Foreland	29·51	42	40	S	2	o	2
Malin Head ...	29·39	41	41	N	4	bc	3	London (Westminster)	29·46	48	42	WSW	1	oq	*
Belmullet	29·54	42	40	N	2	r	*	Yarmouth ...	29·46	43	41	SSE	3	bc	3
Holyhead	29·43	45	42	W	1	cm	1	Rochefort ...	29·54	60	54	W	2	c	*

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

Weather in morning fine and bright over northern and central Russia, as well as over many parts of England and the south of Ireland, changeable and unsettled elsewhere, very rainy over the southern parts of France, and rather so over Scotland and the north of Ireland, with sleet or snow in places. Some showers later over the western and northern parts of our area and considerable falls of rain in the south of France, Italy, and Sardinia, lightning seen at Pravole Point, a brilliant solar halo at Jersey, and a lunar halo at Stornoway.

Temperature risen rapidly over Sweden, Lapland, and the north of Russia, and slightly over England, France, and Austria. Morning readings highest 61° at Cagliari, 60° at Malta, and above 55° over the southern parts of the Mediterranean generally; 50° at Barcelona and Coruna, 43° at Scilly and Dungeness. Lowest (1) 6° F. at Moscow, 16° at St Petersburg, and below the freezing point over Russia generally; (2) 33° at Belfort, Munich and Prague; (3) 34° to 37° over the midland and northeastern counties of England, 35° at Parsonstown and Nairn. Rising later to between 45° and 50° over many parts of England and Ireland to 51° at Paris, 55° at Berlin and Lorient, and to 61° at Rochefort. Not exceeding 50° at Nice all day. Falling fast over England at night.

Wind exceedingly variable, separate cyclonic circulations being noticed in several parts of our Islands, and a very decided one, strong to a gale in force, over the Riviera and northern part of the Mediterranean, while anticyclonic winds from SE. prevailed over Russia, Poland, the Baltic, and from S. over Finland.

Barometer highest (1) 30·4 in: and more to 29·9 in: over Russia and Finland, and (2) above 29·9 in: over Morocco and the south of Spain. Lowest (1) below 29·3 in: in a well-marked depression over the northern part of the Mediterranean; (2) below 29·5 in: over the Bay of Biscay, Brittany, almost the whole of the British Islands, and below 29·4 in: in Scotland; (3) below 29·5 in: over Denmark and the northwest of Norway. Rising slightly and regularly over our Islands and their neighbourhood later, falling over Portugal.

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, 31st March, 1898.

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	31	S	2	S	29.88	+.21	30	29	+7	S	2	O	*	S	*	32	21	0.12
	Hernösand ...	29.80	31	NW	0	bc	29.92	+.25	30	28	-3	N	2	C	*	bc	*	30	30	-
	Stockholm ...	29.87	35	NW	0	O	29.83	+.08	33	32	-1	NE	4	O	*	O	*	39	30	0.04
	Wisby	29.82	33	SE	4	r	29.74	-.03	36	35	+3	SE	4	O	*	r	*	37	30	0.04
	Karlstad ...	29.80	34	NW	0	bc	29.81	+.11	34	32	-2	NE	2	O	*	bc	*	*	*	-
	Bodö	29.79	30	NW	0	b	29.88	+.27	28	24	-6	E	4	b	1	b	*	37	23	-
	Christiansund ...	29.79	37	NW	0	b	29.78	+.12	35	33	-1	ESE	1	b	3	b	*	39	34	-
	Skudesnaes ...	29.78	37	NW	0	O	29.77	+.12	37	36	+3	NNE	1	r	1	c,o	*	45	32	*
	Færder (Christiania Fjord)	29.76	38	NNE	2	m	29.79	+.12	35	34	-2	NNE	4	m	2	m	*	39	34	—
	Skagen (The Scaw)	29.74	37	E	2	b	29.72	+.05	35	34	-1	ENE	5	bc	1	b	*	43	30	-
	Fanö	29.64	39	E	2	O	29.66	+.09	37	35	-1	NNE	4	c	*	O	*	46	36	-
British Islands.	Sumburgh Head	29.64	41	ESE	1	c	29.66	+.02	41	39	-1	S	1	c	4	c	*	45	36	0.07
	Stornoway ...	29.66	42	NNE	5	bc	29.72	+.11	35	34	-2	W	0	c	0	c,bc	4.4	44	30	-
	Wick	29.62	44	N	2	bc	29.69	+.18	40	38	+4	NW	4	bc	2	bc	*	47	31	0.03
	Nairn	29.63	42	W	1	c	29.75	+.18	35	34	-4	WSW	1	b	1	c	*	47	27	0.01
	Aberdeen ...	29.65	39	S	2	cp	29.76	+.19	39	38	0	W	2	bm	1	prh.cp	2.2	44	32	0.17
	Leith	29.64	42	E	1	O	29.77	+.20	34	31	-4	W	1	m	*	O	*	48	28	-
	Shields	29.64	42	NE	2	cp	29.79	+.22	37	36	0	W	2	b	2	p,c	*	45	32	-
	Spurn Head ...	29.61	41	NNE	3	c	29.78	+.25	42	40	+1	SSE	1	b	3	c.p.f	*	45	37	0.01
	York	29.62	42	E	1	bc	29.78	+.23	33	33	-4	N	1	b	*	o,b	0.0	45	29	-
	Loughborough ...	29.61	43	NNW	1	O	29.78	+.24	37	37	+5	NE	1	ogfw	*	c.op.cf	*	47	31	0.01
	Ardrossan ...	29.60	44	SW	0	bcm	29.76	+.22	39	39	-1	SW	0	bm	0	om.bcm	*	45	32	-
	Malin Head ...	29.65	42	ENE	3	b	29.78	+.22	40	40	-2	WSW	3	bc	2	b.p	*	45	37	0.07
	Belmullet ...	29.69	45	NE	4	b	29.88	+.29	43	38	0	N	1	b	*	bc.b	*	48	35	0.02
	Donaghadee ...	29.65	45	NW	4	b	29.78	+.24	37	37	-3	NNW	3	bc	1	b	*	48	30	-
	Liverpool (Bidston)	29.62	41	SE	1	p	29.78	+.25	39	37	+1	SW	0	m	?	f.p	*	47	36	0.09
	Holyhead ...	29.60	43	NE	1	cpd	29.76	+.26	41	40	+1	NE	2	cm	1	c.pd	*	49	37	0.01
	Parsonstown ...	29.60	41	N	1	O	29.81	+.30	29	29	-5	SW	0	f	*	c.rh.bc	1.9	47	28	0.05
	Valencia ...	29.61	45	NNE	2	c	29.79	+.27	41	38	0	ENE	2	bm	2	c	2.1	47	35	0.01
	Roche's Point ..	29.59	44	NNE	2	cp	29.77	+.28	39	37	0	NNE	3	bm	3	cp	*	46	35	0.28
	Pembroke (St. Ann's Hd.)	29.55	42	E	4	O	29.69	+.22	40	38	+4	E	3	O	3	O	0.0	42	35	0.01
	Scilly	29.46	46	NNW	4	O	29.61	+.24	46	44	+2	NE	2	cprs	1	cprs,o	3.5	46	41	0.02
	Prawle Point ...	29.51	44	ESE	3	c	29.63	+.21	42	40	-2	NNE	4	cg	3	cp	*	47	39	0.01
	Jersey (St. Aubin's)	29.49	49	ESE	3	bcm	29.59	+.16	45	45	0	ENE	2	om	2	c.bem	*	50	43	-
	Hurst Castle ...	29.54	45	E	1	O	29.64	+.15	43	41	-2	ENE	3	om	2	cm.o	*	52	41	0.05
	Dungeness ...	29.57	43	ENE	3	bc	29.68	+.15	43	41	-3	ENE	4	c	3	b,bc	*	49	40	-
	North Foreland	29.62	42	E	2	b	29.74	+.21	43	41	-1	E	3	b	2	b	*	46	39	-
	London (Brixton) ...	29.57	47	SE	1	bc	29.72	+.19	44	41	+5	E	2	bc	*	bc.o,b	3.2	55	39	-
	Oxford	29.61	44	E	2	O	29.72	+.18	40	38	+2	NE	2	o	*	bc.o	*	51	36	-
	Cambridge ...	29.61	47	ESE	1	om	29.77	+.22	33	33	-2	E	1	f	*	bc,om	8.0	55	29	-
	Yarmouth ...	29.60	43	SE	2	bc	29.75	+.22	41	40	+6	NE	2	bm	3	bc	*	44	31	-
Germany & Holland.	Cuxhaven ...	29.51	43	E	3	O	29.63	+.16	39	39	-2	NNW	2	O	*	O	*	45	37	0.04
	Berlin	29.41	52	W	0	O	29.50	+.05	41	40	-2	W	3	r	*	O	*	57	39	0.04
	Wiesbaden ...	*	*	*	*	*	29.73	+.30	39	36	-4	NW	2	b	*	*	*	50	36	-
	Munich... ..	29.62	38	W	4	O	29.73	+.30	38	37	-1	W	2	b	*	O	*	41	32	0.59
	The Helder ...	29.62	41	W	0	b	29.75	+.21	40	38	+1	NNE	1	c	1	b	*	46	36	-
Belgium.	Brussels ...	*	*	*	*	*	29.75	+.20	39	37	-2	ENE	2	b	*	b	*	50	34	-
	Cape Gris Nez...	?	44	E	2	bc	?	?	41	37	+4	ESE	1	m	1	bc	*	50	34	-
	Paris	29.56	51	S	1	bc	29.62	+.08	43	39	+13	NNE	1	bc	*	bc	*	58	30	-
	Brest	29.50	47	WSW	2	bc	29.56	+.18	41	41	-3	E	1	c	2	bc	*	50	37	-
	Lorient... ...	29.52	45	SW	2	bc	29.58	+.15	42	41	-2	E	2	bc	2	bc	*	57	44	0.12
France &	Rochefort ...	29.58	49	SSW	2	c	29.63	+.09	44	43	+3	NNW	3	bc	*	O,c	*	52	39	0.39
	Belfort	29.57	46	W	1	c	29.67	+.16	35	33	-2	ENE	3	m	*	c	*	52	32	-
	Lyons	29.56	48	S	1	b	29.64	+.06	41	40	+6	WSW	1	O	*	b	*	56	35	-
	Nice	29.59	48	S	1	bc	29.73	+.27	44	44	-1	NE	2	r	3	bc	*	59	43	0.08
	Perpignan ...	29.51	54	NE	2	O	29.52	-.02	47	47	+5	S	2	r	*	c	*	61	42	0.16
	Biarritz ...	29.50	53	WSW	2	bc	29.56	+.15	45	45	-3	NNE	3	O	1	bc	*	54	45	0.20
Peninsula.	Corunna ...																*			
	Lisbon	29.71	50	NNW	4	c	29.76	+.10	50	45	-1	N	3	b	*	c	*	55	45	0.16
	Azores (P. Delgada)	29.91	54	NNE	3	b	29.91	+.06	53	49	-1	NE	3	c	3	b	*	63	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 2.7 hrs;

WEATHER CHARTS

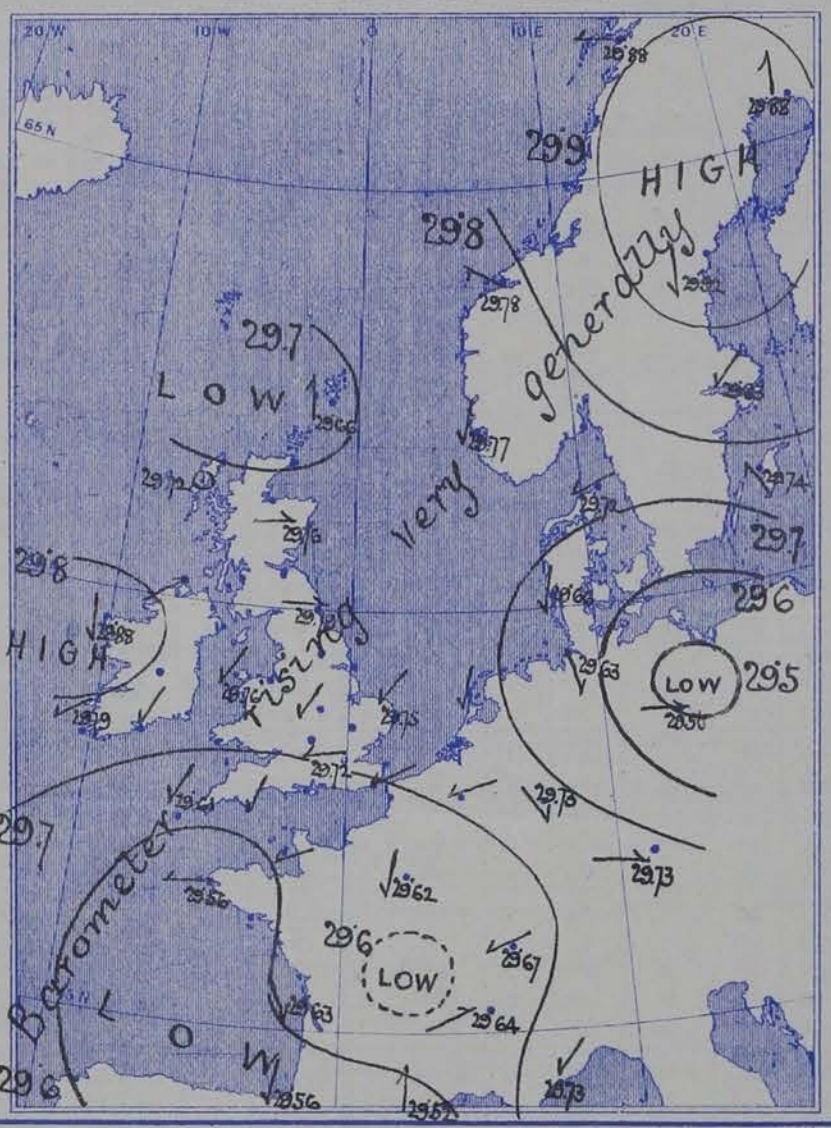
FOR Thursday, 31st March, 1898

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) 29·9 ins: and more to 29·8 ins: over the northern half of Scandinavia; (2) 29·8 ins: and more over the west of Ireland.
Lowest, (1) 29·5 ins: and less in a shallow depression over North Germany; below 29·6 ins: over the Bay of Biscay and the northeast of Spain.
Gradients slight. Barometer rising generally.

TEMPERATURE

Highest, 50° at Lisbon, 46° at Scilly, and above 40° on our western and southern coasts and on the coasts of France; 41° at Berlin.
Lowest, (1) 28° at Bodö, 30° at Haparanda; (2) 33° at York, 35° at Stornoway and Nairn; (3) 29° at Parsontown.
Maxima were recorded yesterday as high as 55° to 50° over our southern counties, and 48° to 45° over Ireland and Scotland; at Nice the maximum was 59° and at Perpignan 61°.

WIND

Very variable in direction; light to moderate in force over our Islands; moderate to fresh over Denmark and Scandinavia.
Over England it is mainly NE., but in Scotland W. Over Germany and the Baltic there was a cyclonic circulation apparently complete.

WEATHER

Fair very generally, and in most places quite clear. Rain is falling, however, at Berlin, sleet showers at Scilly.
A little rain fell yesterday in many parts of our Islands, as well as over France, Germany, and Sweden. At Munich the fall was large (0·6 inch) and at Rockeful and Roche's Point it was considerable.
Bright Sunshine was about 10½ hrs at Hastings and Eastbourne, 8 hrs at Cambridge; much smaller over Ireland and the north of England.

SEA

Slight or smooth on our coasts generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is no indication of decided change at present.

FORECASTS

For the 24 hours ending at NOON on 1st APRIL 1898

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W. airs; fair as a whole.
1 SCOTLAND EAST	
2 ENGLAND N.E.	NE. airs and light breezes; fair. Cold tonight.
3 ENGLAND EAST	
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	NW. breezes, light; fair as a whole.
7 ENGLAND N.W.	
8 ENGLAND S.W.	NE. breezes, light; fair.
9 IRELAND NORTH	Same as Nos 6 and 7.
10 IRELAND SOUTH	Same as No 8.
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 ...	29.69	44	40	ESE	2	c	1
Sumburgh Head	29.60	41	39	Z	0	c	4
Stornoway	29.64	43	40	NNE	5	c	5
Aberdeen	29.61	40	38	SE	2	ogphr	4
Shields	29.60	44	42	NE	2	c	2
Ardrossan	29.58	43	42	NE	1	om	0
Malin Head ...	29.60	45	45	ENE	4	b	3
Belmullet	29.66	48	43	NE	4	bc	*
Holyhead	29.55	45	42	NW	1	c	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.56	44	40	N	3	ep	4
Scilly	29.40	46	43	NNE	4	c	1
Jersey	29.48	47	45	SE	4	c	3
Hurst Castle ...	29.52	49	44	E	3	cm	2
Dungeness ...	29.56	47	44	NNE	2	b	1
North Foreland	29.58	46	43	SSE	1	b	1
London (Westminster)	29.54	52	44	SE	2	bc	*
Yarmouth ...	29.56	43	42	ESE	2	bc	3
Rochefort ...	29.56	49	47	S	2	O	*

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

Weather in morning fair as a whole over the British Islands and France, but less fair in most other regions, with rain at several stations in southwestern and southern Europe, snow in the Gulf of Finland and at Haparanda. Considerable rain later at Munich, as well as in the west of France and southeast of Ireland, slight falls in many other regions, with hail and wet snow in several places.

Temperature changing very fitfully over Western Europe, rising fast over the Centre and eastern countries. Morning readings highest 60° at Malta, 59° to 50° at most of the Mediterranean stations, 51° at Lisbon; 48° at Biarritz, 45° at Jersey, 44° at Scilly, and 48° to 43° in the south and west of Germany. Lowest (1) 16° F. at Archangel 21° at Moscow, 23° at Kiropis and Haparanda, and below 32° over nearly the whole of Russia: (2) 30° at Paris; (3) 32° at Loughborough, 35° at Cambridge, 37° at York; (4) 34° at Parsonstown. Rising later to between 45° and 48° over Ireland, Scotland, and the north of England, to between 50° and 55° over our southern counties, to 59° at Paris and Nice, and to 61° at Perpignan.

Wind (1) extremely light and variable – but mainly cyclonic – over the greater part of Western Europe – the general direction being NE to E at the northern stations, and W in the south; (2) Anticyclonic from SE. and S. over Russia, Hungary, Poland, the Baltic, and Sweden. No decided change later.

Barometer highest (1) 30·2 in: to 29·8 in: over Russia, and exceeding 29·8 in: over southeastern Europe; (2) 29·8 in: and more over the Azores and Algeria. Lowest 29·4 in: and less, in two complex cyclonic systems. (1) on the west of France, the southwest of our Islands and the Bay of Biscay, and (2) over Germany, Austria, Switzerland, and the north of Italy. Changes very slight later, but as a whole barometer rising over Western 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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,, Weekly ,, ,, ,, £1 10 0 ,,

1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

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.		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.
1	Corunna	30·30	55	NE.	4	b	30·30	-·02	45	41	- 5	NE	2	b	3	b	-	57	37	-
2	Corunna	30·20	57	N	4	f	30·24	-·06	42	40	- 3	NE	2	f	3	f	-	57	36	-
3	Corunna	30·19	?	N	4	b	30·12	-·12	48	46	+ 6	N	2	b	2	b	-	?	?	-
4	Corunna	29·99	53	NW	4	o	29·87	-·25	46	43	- 2	NNE	4	bc	3	o	-	55	37	0·39
5	Corunna	29·87	48	N	6	c	29·97	+·10	41	39	- 5	NE	3	r	5	c	-	50	36	0·12
6	Wiesbaden	-	-	-	-	-	29·73	+·08	35	-	- 2	E	2	o	-	-	-	37	34	0·12
7	Corunna	29·89	54	NW	4	c	29·66	-·29	45	43	- 4	SW	1	r	3	c	-	55	37	0·32
9	Corunna	29·78	48	NE	6	bc	29·84	-	45	43	-	NE	5	r	4	bc	-	50	39	0·20
10	Corunna	29·90	46	NE	4	o	29·98	+·14	51	48	+ 6	NE	3	o	6	o	-	52	41	-
11	Biarritz	29·90	48	WSW	4	o	29·93	+·08	44	-	o	NE	3	o	3	o	-	50	48	0·04
"	Corunna	30·03	52	NE	6	bc	30·04	+·06	50	47	- 1	NE	6	c	5	bc	-	54	41	-
12	Corunna	30·03	51	NE	6	bc	30·06	+·02	50	46	o	NE	4	o	3	bc	-	52	41	-
14	Corunna	30·16	55	NE	3	c	30·19	+·04	48	45	+ 1	NE	1	f	5	c	-	57	41	-
15	Corunna	30·19	53	N	3	bc	30·22	+·03	41	39	- 7	NE	3	c	3	bc	-	55	36	-
16	Corunna	30·19	54	N	4	c	30·28	+·06	41	40	o	N	1	f	3	c	-	55	36	-
17	Corunna	30·25	55	N	3	b	30·30	+·02	44	41	+ 3	NE	1	b	3	b	-	55	37	-
18	Corunna	30·26	56	N	4	b	30·26	-·04	45	43	+ 1	SE	2	b	3	b	-	57	37	-
19	Corunna	30·19	56	NE	3	b	30·11	-·15	51	49	+ 6	SW	3	c	3	b	-	59	43	-
21	Corunna	29·87	52	NW	4	b	29·85	-·03	50	46	- 5	E	1	f	3	b	-	57	43	-
22	Corunna	29·82	61	NE	4	b	29·91	+·03	52	48	+ 2	NNE	1	b	3	b	-	61	43	-
23	Corunna	29·88	60	NE	4	b	29·95	+·04	45	43	- 7	NE	1	b	2	b	-	59	37	-
24	Corunna	29·92	57	N	5	b	30·00	+·05	48	45	+ 3	NNE	1	f	2	b	-	59	39	-
25	Spurn Head	29·91	35	NNE	10	c	30·01	+·92	39	33	+ 5	NE	8	c	7	c	-	39	29	0·04
"	Brussels	-	-	-	-	-	29·64	+·07	34	33	- 2	ENE	4	o	-	b	-	42	31	0·04
"	Paris	29·63	39	N	4	bc	29·58	-·07	29	27	- 7	SSW	2	S	-	bc	-	45	25	-
"	Brest	29·86	36	NE	4	c	29·90	-·07	34	33	- 6	NNE	5	S	3	c	-	50	28	0·08
"	Lorient	29·80	39	N	6	c	29·97	+·06	34	34	- 5	N	6	S	4	c	-	48	32	-
"	Belfort	29·56	32	NNW	2	o	29·49	+·04	29	27	- 4	ENE	4	o	-	o	-	37	26	0·04
"	Dijons	29·61	34	NNW	1	bc	29·50	-·10	30	27	- 3	N	3	o	-	bc	-	44	30	0·08
"	Nice	29·25	49	NW	6	bc	29·28	-·10	41	37	- 7	SSE	2	o	2	bc	-	61	39	-
"	Perpignan	29·55	45	N	5	o	29·50	-·14	41	36	- 7	NW	2	bc	-	o	-	55	32	-
"	Corunna	30·01	55	N	5	c	29·95	-·05	41	39	- 7	NNE	7	r	5	c	-	55	34	-
"	Azores (P. Delgada)	29·74	61	SSE	6	o	29·56	-·17	60	58	- 2	ESE	6	o	8	o	-	64	59	0·20
26	Cape Gris	?	37	E	8	r	?	?	39	37	+ 2	E	8	r	8	r	-	43	34	0·12
"	Corunna	29·93	44	NE	2	o	29·69	-·26	41	39	o	E	2	c	5	o	-	57	55	0·04
27	Wiesbaden	-	-	-	-	-	29·41	+·24	37	-	- 8	Calm	0	o	-	-	-	46	28	0·20
28	Corunna	29·51	52	E	3	b	29·46	-·15	43	39	o	NE	1	c	3	b	-	54	36	-
29	Corunna	29·56	54	NW	2	c	29·59	+·13	50	46	+ 7	SW	3	c	4	c	-	55	39	0·32
30	Corunna	29·56	54	WSW	3	o	29·54	-·05	45	43	- 5	W	2	r	3	o	-	55	39	0·20
31	Corunna	29·57	50	SW	2	b	29·68	+·14	47	43	+ 2	W	2	b	2	b	-	52	37	-

REPORTS FOR MARCH 1898.

2. CORRECTIONS.

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.	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.
1	Aarossan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·24
..	Malin Head	-	-	-	-	-	29.58	-·31	-	-	-	-	-	-	-	-	-	-	-	-
2	Jersey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	?41	-
4	Aarossan	-	-	-	-	-	-	-	-	-	-	NW	-	-	-	-	-	-	-	-
"	Jersey	-	-	-	-	-	29·78	-·07	-	-	-	-	-	-	-	-	-	-	-	-
5	Sumburgh Hd	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·10
6	Nairn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	-
"	Holyhead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·58
"	Prawle Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-	-
7	Belmullet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·14
8	Loughborough	-	-	-	-	-	-	-	33	-	+5	-	-	-	-	-	-	-	-	-
"	London	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	-	-	-
10	Valencia	-	-	-	-	-	30·34	+·12	-	-	-	-	-	-	-	-	-	-	-	-
"	Scilly	-	-	-	-	-	-	-	-	42	-	-	-	-	-	-	-	-	-	-
13	Donaghadee	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·03
15	Stornoway	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33	-
16	Holyhead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	-
"	Hurst Castle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·01
17	York	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44	-
"	Valencia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·02
19	Aberdeen 2pm	-	-	-	-	-	-	-	46	-	-	-	-	-	-	-	-	-	-	-
20	Roche's Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49	-	-
"	Jersey	-	-	-	-	-	-	-	-	44	-	-	-	-	-	-	-	-	-	-
21	Jersey	-	-	ENE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	Valencia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10·5	-	-	-
23	Jersey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52	-	-
25	Aarossan	-	-	-	-	-	30·44	+·26	-	-	-	-	-	-	-	-	-	-	-	-
26	Aarossan	-	-	-	-	-	30·15	-·26	-	-	-	-	-	-	-	-	-	-	-	-
"	Parsonstown	30·30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Pembroke	-	-	-	-	-	-	-	—	-	-	-	-	-	-	-	7·6	-	-	-
"	Cambridge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·02
28	Oxford	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·11
"	Cambridge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·16
"	Yarmouth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·19
29	Stornoway	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33	-
31	Scilly	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48	-	-