METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1ST JANUARY TO 30TH JUNE, 1898.

DAILY WEATHER REPORT.

January to June 1898.

WYMAN AND SONS, LTD LITH LONDON 30/3.7.98.

DAILY WEATHER REPORT

for 8 a.m. on Tuesday 1st February, 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 ...	29.22	19	SE	2	o	29.12	− .02	17	15	− 1	W	2	bc	*	o	*	19	12	0.12
	Hernösand ...	29.47	39	N	4	bc	29.39	+ .29	33	30	− 2	S	4	o	*	bc	*	41	30	—
	Stockholm ...	29.57	39	NW	4	o	29.63	+ .48	33	29	− 1	WSW	2	c	*	o	*	41	32	—
	Wisby	29.55	38	N	6	r	29.78	+ .60	35	33	− 2	WNW	4	b	*	r	*	37	34	0.04
	Karlstad ...	29.76	39	WNW	6	b	29.69	+ .43	38	35	+ 3	S	2	c	*	b	*	*	*	—
	Bodö	29.23	37	W	7	bc	29.04	− .06	29	28	− 8	ENE	4	o	2	bc	*	37	27	—
	Christiansund ...	29.68	39	WNW	9	r	28.99	− .22	45	41	+ 4	W	9	r	6	r	*	45	36	0.32
	Skudesnaes ...	? 30.05	40	L	0	bc	? 29.53	+ .15	46	45	+ 4	WSW	6	c	5	bc.	*	46	39	*
	Færder (Christiania Fjord)	29.81	42	NNW	6	b	29.53	+ .33	40	39	0	SW	7	m	4	b	*	43	39	—
	Skagen (The Scaw)	29.91	42	NNW	4	b	29.64	+ .42	41	40	− 2	SW	6	r	2	b	*	45	39	0.04
	Fanö	30.10	42	NW	6	b	29.88	+ .48	43	42	− 2	WSW	5	o	*	b	*	46	41	—
BRITISH ISLANDS.	Sumburgh Head	29.86	45	W	4	o	29.33	− .44	48	45	+ 6	W	9	o	7	c,o	*	50	42	0.24
	Stornoway ...	29.96	46	WSW	6	r	29.65	− .39	47	46	+ 3	W	5	o	5	o,r	0.1	47	44	0.15
	Wick	29.92	48	S	3	o	29.56	− .41	47	45	+ 4	NW	7	b	4	o	*	53	42	0.03
	Nairn	29.96	47	W	3	c	29.72	− .35	48	45	+ 6	W	5	o	3	c	*	52	40	0.03
	Aberdeen ...	30.05	45	SW	3	0g	29.73	− .33	48	41	+ 7	WSW	5	bq	3	b,o,g,r	5.0	54	41	0.06
	Leith	30.16	45	WSW	3	o	29.91	− .25	49	46	+ 6	WSW	3	bc	*	o	*	53	42	0.03
	Shields	30.25	47	SW	3	o	29.99	− .20	52	50	+ 9	SW	2	m	2	c,o	*	54	43	—
	Spurn Head ...	30.33	45	WSW	3	o	30.06	− .17	50	49	+ 5	W	4	o	3	b,o,r	*	50	44	0.04
	York	30.33	47	SW	1	o	30.07	− .17	53	52	+ 8	W	3	o	*	b,o	3.6	54	43	0.01
	Loughborough ...	30.42	46	S	2	o	30.17	− .11	53	51	+ 7	WSW	2	o	*	bq,oq	*	53	45	—
	Ardrossan ...	30.17	48	S	4	o	29.94	− .31	50	49	+ 4	SW	6	c	4	bc,o	*	51	45	0.09
	Malin Head ...	30.03	47	SSW	6	r	29.95	− .36	50	49	+ 4	W	4	odp	3	o,r	*	51	45	0.21
	Belmullet ...	30.12	52	WSW	6	opqw	30.04	− .37	52	52	+ 4	SW	4	om	*	r,pqw	*	52	45	0.14
	Donaghadee ...	30.22	47	SW	4	c	30.06	− .26	53	52	+ 11	SSW	3	o	1	c	*	54	41	0.07
	Liverpool (Bidston)	30.37	46	SSE	2	o	30.13	− .24	52	49	+ 6	WSW	5	b	5	op	*	53	45	0.09
	Holyhead ...	30.36	49	SSW	5	amg.	30.19	− .21	52	51	+ 6	SW	3	o	3	cm,amg	*	52	43	0.23
	Parsonstown ...	30.29	50	SW	2	od	30.16	− .34	53	52	+ 14	SW	2	o	*	od	0.0	53	38	0.13
	Valencia ...	30.35	52	SW	4	ogm	30.25	− .26	53	53	+ 8	SW	4	omg	5	omg	0.0	54	45	0.04
	Roche's Point ...	30.39	52	SW	5	rm	30.28	− .26	54	53	+ 8	W	3	o	3	rm	*	54	46	0.02
	Pembroke (St. Ann's Hd.)	30.43	50	SW	4	o	30.28	− .22	50	50	+ 3	W	5	f	5	c,o	1.8	51	46	0.02
	Scilly	30.53	52	S	3	om	30.40	− .13	51	50	− 1	WSW	4	mp	4	o,om	0.3	53	49	0.01
	Prawle Point ...	30.56	49	WSW	4	c	30.38	− .13	50	50	+ 4	WSW	5	fa	4	c,a	*	52	45	0.03
	Jersey (St. Aubin's)	30.60	49	WSW	2	cgm	30.42	− .07	52	51	0	W	5	om	4	cgm	*	54	48	—
	Hurst Castle ...	30.55	49	WSW	2	o	30.31	− .09	51	49	+ 3	WSW	3	o	3	c,o	*	52	48	—
	Dungeness ...	30.48	45	WNW	2	b	30.21	− .06	49	48	0	WSW	3	o	1	c,b	*	53	44	0.06
	North Foreland	30.49	46	W	3	o	30.20	− .02	50	49	+ 2	WSW	5	cq	3	bc,c	*	50	42	0.13
	London (Brixton) ...	30.47	46	W	1	b	30.24	− .10	52	50	+ 3	WSW	2	o	*	bc,o,r	2.0	52	44	0.07
	Oxford	30.44	47	SW	3	p	30.24	− .15	51	50	+ 5	SW	3	op	*	bc,o,p	*	52	45	0.03
	Cambridge ...	30.45	42	SW	2	o	30.19	− .10	52	51	+ 6	WSW	3	c	*	o	4.3	52	40	0.05
	Yarmouth ...	30.35	45	WSW	3	bc	30.09	− .07	49	48	+ 2	W	4	bcm	3	b,bc	*	49	42	0.07
GERMANY & HOLLAND.	Cuxhaven ...	30.04	44	NW	9	b	30.03	+ .49	40	40	− 6	SW	5	r	*	b	*	46	39	0.04
	Berlin	29.82	41	WNW	6	r	30.15	+ .55	38	37	− 10	WNW	4	o	*	r	*	50	36	0.08
	Wiesbaden ...	*	*	*	*	*	30.36	+ .32	38	36	− 3	SW	1	o	*	*	*	50	37	0.32
	Munich	30.31	39	W	5	o	30.45	+ .35	36	33	− 13	W	5	bc	*	o	*	50	36	0.12
	The Helder ...	30.33	45	NW	3	b	30.05	+ .10	46	45	− 1	WSW	3	o	3	b	*	48	43	—
FRANCE & BELGIUM.	Brussels ...	*	*	*	*	*	? 30.25	+ .14	42	42	− 9	SW	5	r	*	o	*	51	38	0.08
	Cape Gris Nez ...	? 30.42	47	WNW	2	bc	? 30.19	+ .03	50	48	− 3	WSW	5	f	5	bc	*	55	43	0.32
	Paris	30.59	48	NNW	4	bc	30.45	+ .10	44	43	− 5	S	3	r	*	bc	*	57	38	0.04
	Brest	30.56	51	W	1	m	30.30	− .02	51	50	− 1	W	3	m	4	m	*	54	46	—
	Lorient	30.63	50	W	2	m	30.52	− .03	50	50	0	W	3	f	4	m	*	55	41	—
	Rochefort ...	30.64	50	NW	3	o	30.58	− .02	49	48	− 2	WNW	3	o	*	o	*	52	43	—
	Belfort	30.50	42	W	4	o	30.48	+ .10	38	38	− 1	WSW	3	m	*	o	*	44	37	0.08
	Lyons	30.61	44	N	1	o	30.59	.00	36	?	+ 5	NW	1	b	*	o	*	46	31	—
	Nice	30.14	45	SW	1	bc	30.25	− .11	45	34	+ 5	E	1	bc	2	bc	*	50	39	—
	Perpignan ...	30.49	58	NW	4	b	30.49	− .07	54	48	+ 2	NW	5	b	*	b	*	61	52	—
	Biarritz ...	30.68	54	WSW	4	r	30.61	− .05	53	52	+ 6	WSW	3	r	3	r	*	55	47	0.04
PENINSULA.	Corunna ...																*			
	Lisbon	30.63	51	N	4	b	30.59	− .15	43	42	− 2	NNE	3	b	*	b	*	59	43	—
	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 3.0. hrs;

WEATHER CHARTS

FOR TUESDAY, 1ST FEBRUARY, 1898

BAROMETER, WIND AND SEA.

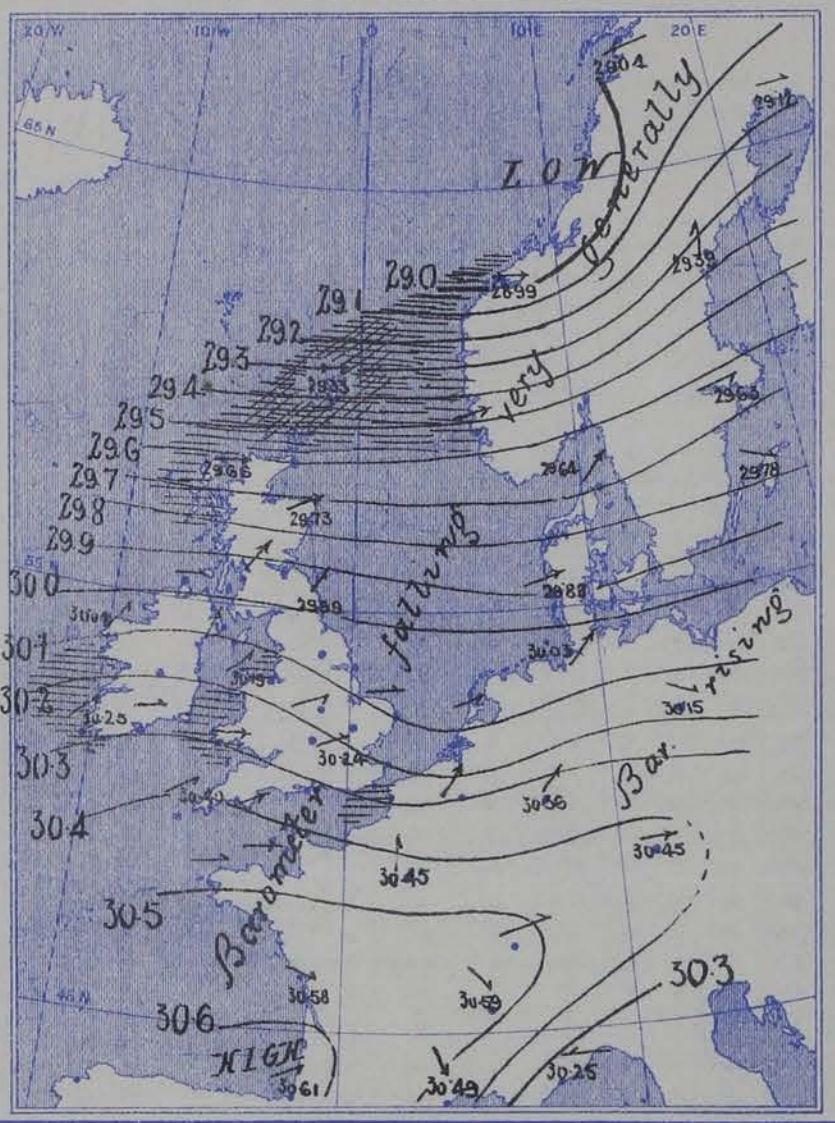
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▩

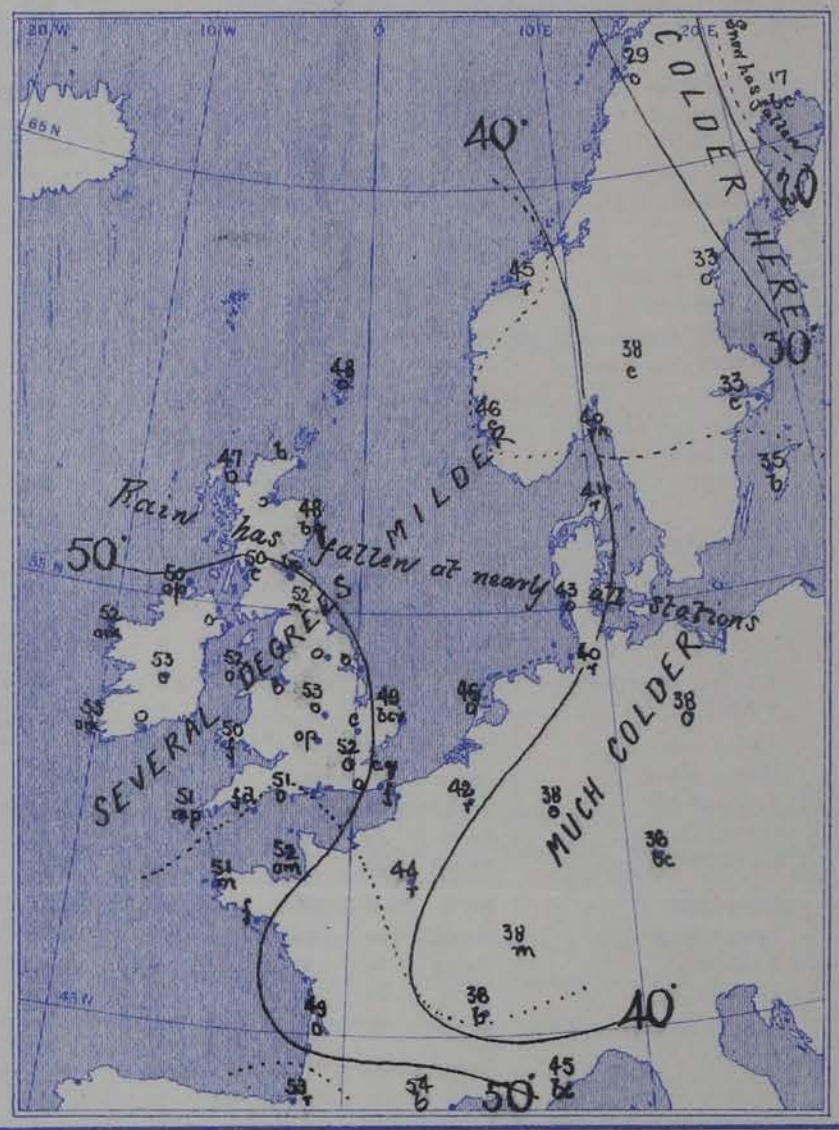


TEMPERATURE & WEATHER.

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 FEBRUARY.*

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 · 772	38 · 6	37 · 2	42 · 2	34 · 4	51	1887, 91	17	1895	3 · 11	—	—
Stornoway	29 · 775	38 · 9	38 · 0	43 · 6	34 · 2	55	1891	12	1892	3 · 80	63 · 6	25
Wick	29 · 800	37 · 7	36 · 4	42 · 9	32 · 9	59	1878	2	1895	2 · 16	—	—
Nairn	29 · 815	36 · 7	35 · 1	43 · 4	32 · 5	64	1891	0	1895	1 · 65	—	—
Aberdeen	29 · 853	36 · 9	35 · 2	43 · 1	33 · 3	59	1878, 83	6	1895	2 · 26	73 · 4	28
Leith	29 · 873	38 · 1	36 · 7	45 · 5	33 · 9	59	1882	12	1895	1 · 51	—	—
Shields	29 · 908	38 · 3	36 · 9	43 · 9	34 · 4	59	1887	7	1895	1 · 50	—	—
Spurn Head	29 · 938	38 · 1	37 · 2	42 · 2	35 · 4	57*	1891	20*	1895	1 · 32	—	—
York	29 · 945	37 · 0	36 · 0	44 · 4	33 · 2	59	1872, 78	3	1895	1 · 68	60 · 0	22
Loughborough	29 · 972	36 · 7	35 · 5	45 · 2	33 · 0	64*	1891	—5*	1895	1 · 71	—	—
Ardrossan	29 · 880	39 · 2	38 · 0	44 · 4	35 · 9	56	1891	13	1895	2 · 93	—	—
Malin Head	29 · 844	41 · 0	39 · 5	45 · 5	38 · 3	—	—	—	—	—	—	—
Belmullet	29 · 870	42 · 3	40 · 7	47 · 2	38 · 8	—	—	—	—	4 · 20	—	—
Donaghadee	29 · 894	40 · 0	39 · 1	45 · 5	36 · 6	56	1894	16	1895	2 · 34	—	—
Holyhead	29 · 923	41 · 1	39 · 8	45 · 4	38 · 3	59	1891	17	1895	2 · 42	—	—
Liverpool	29 · 943	38 · 5	37 · 0	44 · 3	35 · 7	62	1878	12	1895	1 · 68	—	—
Parsonstown	29 · 915	39 · 1	37 · 8	46 · 8	35 · 1	59	1891	6	1895	2 · 16	68 · 0	25
Valencia	29 · 917	44 · 3	42 · 6	49 · 5	40 · 3	58	1891	22	1895	4 · 89	72 · 9	27
Roche's Point	29 · 927	43 · 0	41 · 4	48 · 2	39 · 4	56	1877, 89	25	1895	4 · 19	—	—
Pembroke	29 · 948	41 · 8	40 · 5	45 · 3	39 · 0	52	1877, 91	23	1895	2 · 62	79 · 9	29
Scilly	29 · 964	45 · 7	44 · 1	48 · 6	42 · 4	56	1877	27	1895	2 · 62	—	—
Prawle Point	29 · 996	41 · 2	40 · 2	46 · 6	37 · 8	57*	1891	21*	1888, 92, 95	1 · 94	—	—
Jersey	30 · 016	42 · 0	40 · 6	46 · 8	38 · 8	62	1891	18	1895	2 · 41	95 · 0	34
Hurst Castle	29 · 996	39 · 8	38 · 8	45 · 4	36 · 3	60	1877	17	1895	2 · 10	—	—
Dover	29 · 990	38 · 8	37 · 7	44 · 2	35 · 5	56	1882	11	1889	1 · 81	—	—
LONDON	29 · 996	38 · 1	36 · 8	45 · 5	34 · 5	62	1876, 91	10	1895	1 · 54	33 · 0†	12†
Oxford	29 · 994	37 · 3	36 · 1	44 · 9	34 · 2	64	1891	7	1895	1 · 76	66 · 3	24
Cambridge	29 · 987	36 · 7	35 · 7	45 · 5	32 · 1	67	1891	6	1895	1 · 42	70 · 5	26
Yarmouth	29 . 967	37 · 8	36 · 9	42 · 3	34 · 0	58	1872	15	1895	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 more over Spain and the southwestern parts of France.
Lowest. Below 29·0 ins. over the northwest of Norway.
Gradients steep over the N.rn half of our area, moderate in the S., were inclined to increase generally.
Barometer falling all over northwestern Europe.

TEMPERATURE

Highest 54° to 50° on the Irish coasts, 53° at Biarritz, 52° in London, at Liverpool and Shields.
Lowest 17° F. at Haparanda, 29° at Bodö, 33° at Stockholm; above 45° all over our Islands.
Though very high generally for the time of year, it was apparently still rising in most places.

WIND

(1) W.ly strong to a gale on our northern coasts and the western coast of Norway, SW.ly over Denmark, S.ly over Sweden, E.ly at Bodö.
(2) W.ly, moderate, over England and France, SW.ly over Ireland. Gales of considerable force have been felt over Scotland during the night.

WEATHER

Temporarily fine and bright in the east of Scotland, very dull elsewhere, with rain at some of the western and northwestern stations.
Rain was measured at nearly all our stations this morning but the amounts were not large anywhere. Bright Sunshine recorded yesterday amounted to 5·3 hrs. at Brighton, and 5 hrs. at Aberdeen, to more than 4 hrs. at several of our southern coast stations, and more than 3 hrs. on our N.W. coasts. At the Irish stations there was none. A Parhelion was seen at Oxford yesterday.

SEA

High at Scarborough, rough in the extreme NW. and W, moderate to slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A continuation of mild wet weather, is probable, with strong W.ly to S.W.ly winds.

FORECASTS

For the 24 hours ending at NOON on 2.ND FEBRUARY 1898

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
▲ 0 SCOTLAND NORTH	W.ly and SW.ly gales and strong winds; rainy squally unsettled.	▼ 6 SCOTLAND WEST	
▲ 1 SCOTLAND EAST		▼ 7 ENGLAND N.W.	
2 ENGLAND N.E.	SW.ly to W.ly winds, fresh or strong; rainy, unsettled, very mild.	▼ 8 ENGLAND S.W.	Same as Nos. 0 and 1.
3 ENGLAND EAST		▼ 9 IRELAND NORTH	
4 MIDLAND COUNTIES		▼ 10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	At 3.20 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 ...	29.84	42	39	NNW	10	c	7
Sumburgh Head	29.90	45	42	SW	5	c	6
Stornoway	30.06	46	44	WSW	4	o	4
Aberdeen	30.16	48	42	W	3	bc	3
Shields	30.31	48	45	WSW	5	c	2
Ardrossan	30.27	47	46	S	4	bc	3
Malin Head ...	30.22	46	45	WSW	4	o	2
Belmullet	30.27	50	48	SW	6	r	*
Holyhead	30.45	49	46	SSW	3	cm	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.41	52	51	S	4	cmg	6
Scilly	30.58	53	51	S	1	o	5
Jersey	30.60	54	50	WNW	3	c	3
Hurst Castle ...	30.53	51	48	W	3	c	2
Dungeness ...	30.47	52	46	W	2	c	1
North Foreland	30.45	50	46	W	5	bc	3
London (Westminster)	30.47	53	47	NW	2	bc	*
Yarmouth ...	30.34	49	45	WNW	5	b	4
Rochefort ...	30.63	50	50	NNW	3	o	*

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

Weather in morning temporarily fine over Gt. Britain and the E. of Ireland, but as a whole dull and unsettled elsewhere, with snow at Haparanda, rain over Norway, Denmark and central Europe, as well as at Lorient; fog at Brindisi. Becoming dull and rather rainy later over the British Islands and the neighbourhood continuing rainy over Germany. Solar halo and Parhelion seen at Oxford, and much cirrus cloud coming from NW. in London.

Temperature fallen decidedly over the British Islands, risen rapidly over France, central and E.rn Europe. Morning readings highest 53° at Cape Gris Nez, 52° at Jersey, Brest and Scilly, 49° in London, 48° at Belmullet. Lowest (1) 8° at Moscow, 13° at Kuopio, 16° at St. Petersburg, 34° at Hangö and at Kharkoff, (2) 35° at Madrid. Rising quickly over the British Isles and NW.rn Europe later.

Wind (1) Cyclonic, but light, over the greater part of N.rn Europe and Russia, (2) strong to a gale from the NW.nd over the northern and eastern parts of the British Islands and the North Sea, and from W. over Germany and central Europe, (3) light and anticyclonic over Spain and the SW. of France. Backing to SW. over the British Islands later, and becoming strong to a gale in Ireland and Scotland.

Barometer 30.8 ins. and more to 30.6 ins. over Spain and the SW. of France. Lowest below 29.1 ins. over Lapland and the N. of Sweden. Gradients very steep over the North Sea, and steep over central Europe. Rising rapidly during the day over the Baltic, Scandinavia, Germany and France, but falling fast again over Ireland and Scotland.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Wednesday 2nd February, 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 ...	28·86	21	S	4	o	28·71	− ·41	23	22	+ 6	NE	4	o	*	o	*	23	10	0·12
	Hernösand ...	28·84	34	S	4	o	28·69	− ·70	32	30	− 1	L	o	b	*	o	*	37	28	0·08
	Stockholm ...	29·12	40	W	4	c	28·76	− ·87	39	38	+ 6	S	2	r	*	c	*	41	30	0·04
	Wisby	29·28	41	WSW	6	b	28·97	− ·81	41	40	+ 6	SSW	8	r	*	b	*	41	32	—
	Karlstad ...	29·13	43	W	6	b	28·79	− ·80	41	37	+ 3	WSW	6	b	*	b,r	*	*	*	—
	Bodö	28·65	33	S	4	r	28·63	− ·41	34	33	+ 5	NNW	4	o	1	r	*	34	27	—
	Christiansund ...	28·94	40	WSW	9	r	28·71	− ·28	37	37	− 8	WSW	4	r	6	r	*	45	37	0·59
	Skudesnaes ...	29·43	46	WSW	4	o	28·88	− ·65	45	43	− 1	SW	8	o	5	o	*	48	37	*
	Færder (Christiania Fjord)	29·25	42	WSW	6	b	28·86	− ·67	41	39	+ 1	WSW	6	b	4	b	*	45	39	—
	Skagen (The Scaw)	29·40	45	NNW	7	bc	29·02	− ·62	41	39	0	W	6	bc	2	bc	*	46	39	0·04
	Fanö	29·63	45	WSW	6	r	29·30		45	43		WSW	6	c	*	r	*	46	43	0·04
	Sumburgh Head	29·14	46	W	3	o	28·57	− ·76	42	41	− 6	NW	3	o	6	o	*	49	40	0·25
	Stornoway ...	29·27	46	W	7	orq	28·92	− ·73	42	42	− 5	NW	6	oL	6	rq	0·0	49	39	0·45
	Wick	29·14	48	WNW	5	c	28·72	− ·84	42	40	− 5	NW	5	cqw	4	c,rsq	*	50	39	0·06
	Nairn	29·35	49	W	5	r	28·85	− ·87	43	41	− 5	WSW	5	r	5	r	*	53	38	0·26
	Aberdeen ...	29·34	54	SW	7	bq	28·89	− ·84	42	38	− 6	WSW	6	cqw	4	bcq,bq	5·2	56	41	0·01
British Islands.	Leith	29·57	53	WSW	4	r	29·13	− ·78	43	40	− 6	WSW	4	c	*	r	*	57	40	0·13
	Shields	29·71	56	WSW	4	c	29·30	− ·69	44	41	− 8	WSW	7	bc	2	p,c,q	*	60	42	—
	Spurn Head ...	29·86	52	SW	4	o	29·50	− ·56	42	41	− 8	WSW	6	b	5	o,r	*	53	42	0·02
	York	29·84	57	WSW	3	o	29·49	− ·58	43	39	− 10	W	5	c	*	o	0·4	57	41	0·03
	Loughborough ...	29·96	54	SW	6	bc	29·69	− ·48	42	38	− 11	WSW	6	bcq	*	cm,bcq	*	57	42	—
	Ardrossan ...	29·64	50	WSW	7	r	29·27	− ·67	45	44	− 5	W	9	c	6	pq	*	52	42	0·04
	Malin Head ...	29·62	48	WSW	8	crq	29·38	− ·57	40	40	− 10	NW	10	rhq	8	rq	*	54	38	0·25
	Belmullet ...	29·84	49	W	9	bcq	29·83	− ·21	41	36	− 11	WNW	10	o	*	cm,bcq	*	53	36	0·20
	Donaghadee ...	29·72	54	WSW	7	c	29·51	− ·55	38	38	− 15	W	8	rq	6	c	*	56	38	0·13
	Liverpool (Bidston)	29·89	51	SW	7	c	29·60	− ·53	44	38	− 8	WSW	9	bc	7	b,cp	*	59	42	0·01
	Holyhead ...	29·91	51	SW	7	opq	29·69	− ·50	43	39	− 9	W	9	cqw	7	f,pq,q	*	53	39	0·03
	Parsonstown ...	29·96	51	W	3	o	29·85	− ·31	39	37	− 14	WSW	3	ors	*	or,q	0·0	56	38	0·13
	Valencia ...	30·11	52	WSW	4	ogm	30·07	− ·18	43	39	− 10	W	8	ohq	6	rm,oq	0·0	54	39	0·27
	Roche's Point ..	30·09	53	W	4	bc	30·02	− ·26	40	38	− 14	WNW	5	bc	4	m,bc	*	54	39	0·06
	Pembroke (St. Ann's Hd.)	30·10	50	WSW	6	o	29·91	− ·37	45	44	− 5	NW	8	o	6	o	0·0	51	45	0·02
	Scilly	30·25	50	W	5	ofm	30·10	− ·30	47	43	− 4	WNW	7	cq	5	pm,fw	0·8	53	42	0·02
	Prawle Point ...	30·27	48	WSW	5	o	30·06	− ·32	43	41	− 7	W	6	chp	5	fz,pq	*	52	42	0·10
	Jersey (St. Aubin's)	30·33	50	W	4	fw	30·09	− ·33	48	47	− 4	W	6	cmp	4	o,fw,z	*	52	47	0·05
	Hurst Castle ...	30·19	50	WSW	4	fw	29·94	− ·37	46	42	− 5	W	6	c	3	cm,fw	*	51	46	—
	Dungeness ...	30·15	50	WSW	5	o	29·84	− ·37	46	43	− 3	W	5	c	4	o	*	56	46	0·02
	North Foreland	30·12	54	SW	3	o	29·87	− ·39	45	43	− 5	WSW	4	b	3	bc,o	*	55	44	—
	London (Brixton) ...	30·12	55	WSW	2	o	29·82	− ·42	46	41	− 6	WNW	4	bc	*	o,q	0·0	56	45	—
	Oxford	30·05	54	SW	5	o	29·82	− ·42	41	38	− 10	SW	4	b	*	o,z	*	54	40	—
	Cambridge ...	30·03	54	SW	4	o	29·74	− ·44	43	40	− 9	WSW	5	b	*	oq	4·4	58	42	—
	Yarmouth ...	29·99	55	WSW	5	c	29·64	− ·45	44	40	− 5	W	6	bq	4	bc,c	*	58	41	—
Germany & Holland.	Cuxhaven ...	29·91	43	WSW	5	o	29·53	− ·50	46	46	+ 6	WSW	6	o	*	o,r	*	48	40	0·55
	Berlin	29·94	45	WSW	4	r	29·61	− ·54	50	49	+ 12	W	4	r	*	r	*	50	38	0·24
	Wiesbaden ...	*	*	*	*	*	29·93	− ·43	51	49	+ 13	SW	2	c	*	*	*	51	38	0·08
	Munich... ..	30·31	41	W	6	o	30·06	− ·39	49	46	+ 13	SW	7	o	*	o	*	50	36	—
	The Helder ...	29·94	47	SW	4	o	29·62	− ·43	46	42	0	W	7	bc	3	o	*	48	46	0·08
Belgium.	Brussels ...	*	*	*	*	*	29·85	− ·40	47	47	+ 5	WSW	7	r	*	r	*	51	42	0·04
	Cape Gris Nez...	30·13	48	WSW	5	f	29·84	− ·35	48	46	− 2	W	6	o	6	f	*	52	43	0·08
	Paris	30·35	52	WSW	2	r	30·09	− ·36	48	46	+ 4	SW	4	o	*	r	*	53	44	0·16
	Brest	30·39	50	WSW	3	m	30·23	− ·27	50	48	− 1	WNW	4	c	4	m	*	52	46	0·04
	Lorient... ...	30·51	50	W	2	f	30·28	− ·24	49	49	− 1	WNW	4	o	5	f	*	55	34	0·04
France &	Rochefort ...	30·52	51	WSW	3	o	30·36	− ·22	49	49	0	W	3	c	*	o	*	54	48	0·08
	Belfort	30·29	42	W	3	r	30·19	− ·29	44	44	+ 6	WSW	5	r	*	r	*	44	38	0·28
	Lyons	30·50	44	N	1	o	30·34	− ·25	42	42	+ 6	NNW	1	f	*	o	*	49	36	—
	Nice	30·18	50	L	0	bc	30·19	− ·06	48	38	+ 3	L	0	b	1	bc	*	59	45	—
	Perpignan ...	30·36	51	NW	3	b	30·30	− ·19	50	46	+ 5	NW	3	b	*	b	*	60	54	—
	Biarritz ...	30·52	54	N	2	bc	30·38	− ·23	49	46	− 4	W	2	o	2	bc	*	59	45	—
Peninsula.	Corunna ...																*			
	Lisbon	30·30	56	NNW	3	b	30·09	− ·10	48	46	+ 5	NNE	2	b	*	b	*	61	48	—
	Azores (P. Delgada)	30·68	57	NE	4	o	30·67	− ·01	57	53	0	NE	4	c	3	o	*	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 4·7 hrs;

WEATHER CHARTS

FOR Wednesday, 2nd February, 1898

BAROMETER, WIND AND SEA.

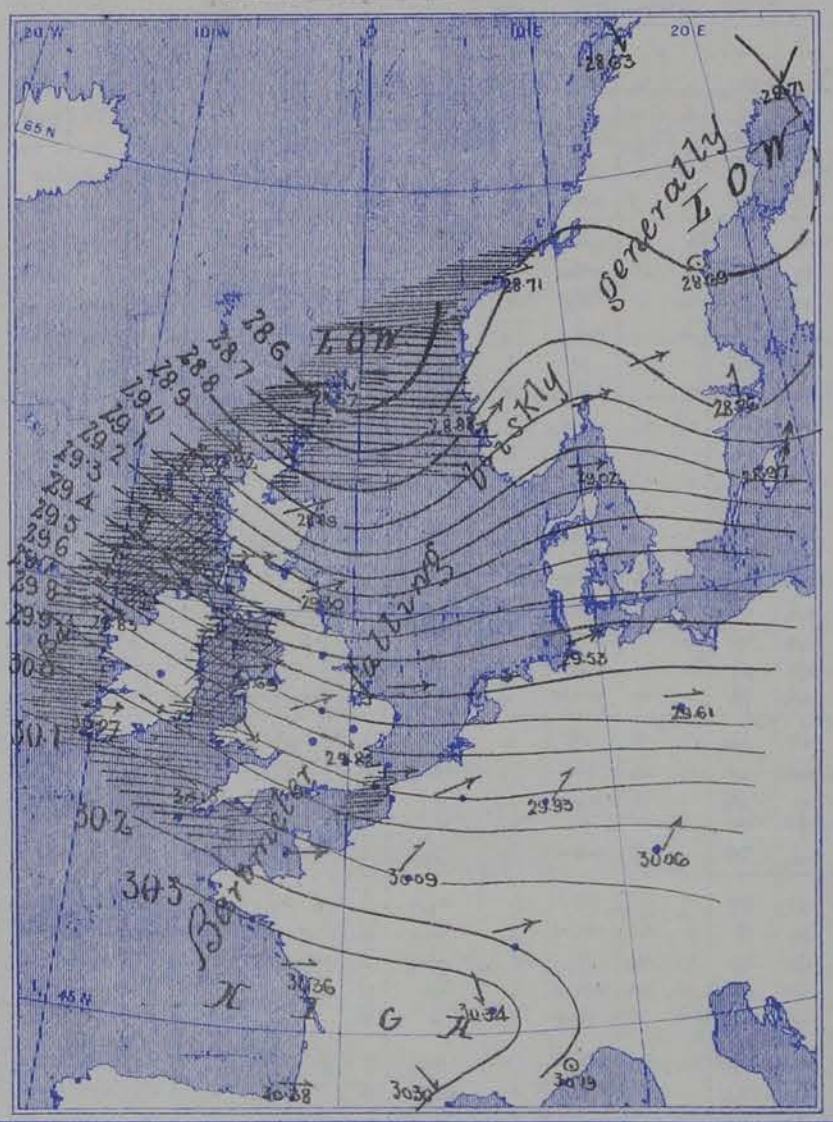
BAROMETER—Isobars are drawn for each tenth of an inch.

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

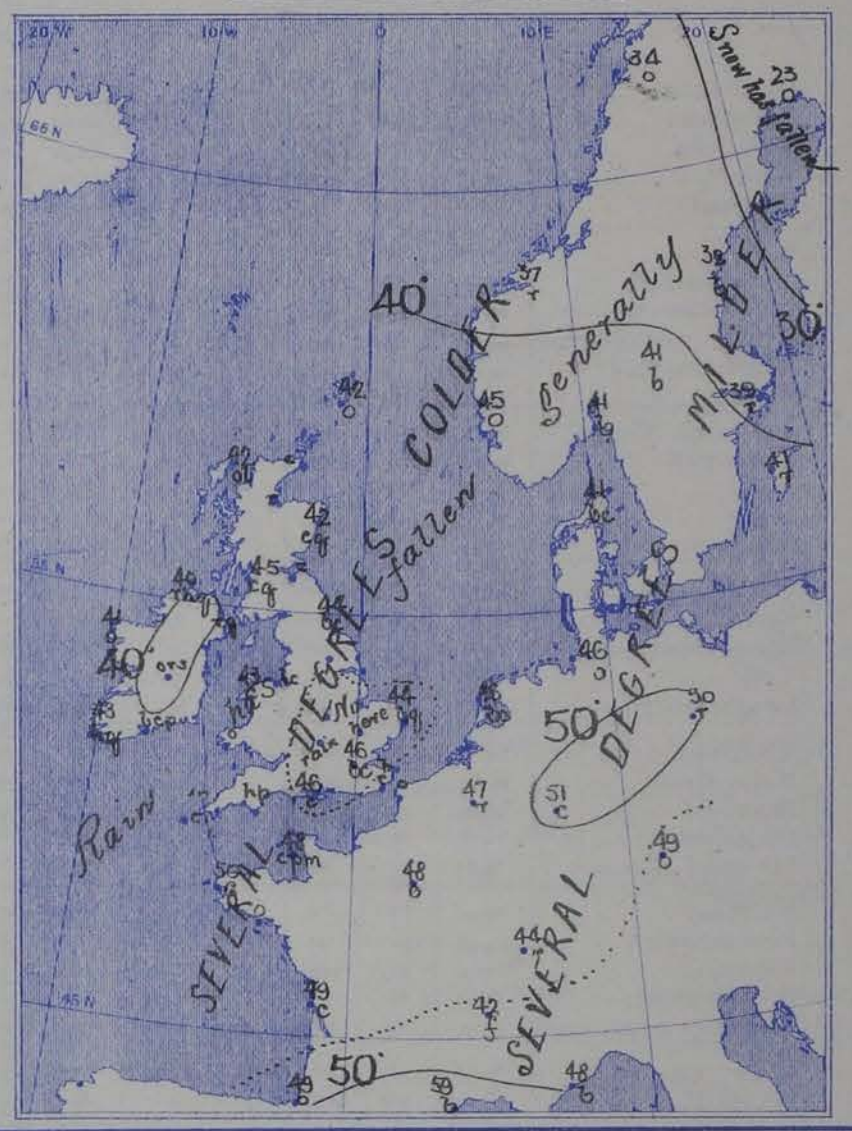


TEMPERATURE & WEATHER.

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 FEBRUARY.*

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 · 772	38 · 6	37 · 2	42 · 2	34 · 4	51	1887, 91	17	1895	3 · 11	—	—
Stornoway	29 · 775	38 · 9	38 · 0	43 · 6	34 · 2	55	1891	12	1892	3 · 80	63 · 6	25
Wick	29 · 800	37 · 7	36 · 4	42 · 9	32 · 9	59	1878	2	1895	2 · 16	—	—
Nairn	29 · 815	36 · 7	35 · 1	43 · 4	32 · 5	64	1891	0	1895	1 · 65	—	—
Aberdeen	29 · 853	36 · 9	35 · 2	43 · 1	33 · 3	59	1878, 83	6	1895	2 · 26	73 · 4	28
Leith	29 · 873	38 · 1	36 · 7	45 · 5	33 · 9	59	1882	12	1895	1 · 51	—	—
Shields	29 · 908	38 · 3	36 · 9	43 · 9	34 · 4	59	1887	7	1895	1 · 50	—	—
Spurn Head	29 · 938	38 · 1	37 · 2	42 · 2	35 · 4	57*	1891	20*	1895	1 · 32	—	—
York	29 · 945	37 · 0	36 · 0	44 · 4	33 · 2	59	1872, 78	3	1895	1 · 68	60 · 0	22
Loughborough	29 · 972	36 · 7	35 · 5	45 · 2	33 · 0	64*	1891	−5*	1895	1 · 71	—	—
Ardrossan	29 · 880	39 · 2	38 · 0	44 · 4	35 · 9	56	1891	13	1895	2 · 93	—	—
Malin Head	29 · 844	41 · 0	39 · 5	45 · 5	38 · 3	—	—	—	—	—	—	—
Belmullet	29 · 870	42 · 3	40 · 7	47 · 2	38 · 8	—	—	—	—	4 · 20	—	—
Donaghadee	29 · 894	40 · 0	39 · 1	45 · 5	36 · 6	56	1894	16	1895	2 · 34	—	—
Holyhead	29 · 923	41 · 1	39 · 8	45 · 4	38 · 3	59	1891	17	1895	2 · 42	—	—
Liverpool	29 · 943	38 · 5	37 · 0	44 · 3	35 · 7	62	1878	12	1895	1 · 68	—	—
Parsonstown	29 · 915	39 · 1	37 · 8	46 · 8	35 · 1	59	1891	6	1895	2 · 16	68 · 0	25
Valencia	29 · 917	44 · 3	42 · 6	49 · 5	40 · 3	58	1891	22	1895	4 · 89	72 · 9	27
Roche's Point	29 · 927	43 · 0	41 · 4	48 · 2	39 · 4	56	1877, 89	25	1895	4 · 19	—	—
Pembroke	29 · 948	41 · 8	40 · 5	45 · 3	39 · 0	52	1877, 91	23	1895	2 · 62	79 · 9	29
Scilly	29 · 964	45 · 7	44 · 1	48 · 6	42 · 4	56	1877	27	1895	2 · 62	—	—
Prawle Point	29 · 996	41 · 2	40 · 2	46 · 6	37 · 8	57*	1891	21*	1888, 92, 95	1 · 94	—	—
Jersey	30 · 016	42 · 0	40 · 6	46 · 8	38 · 8	62	1891	18	1895	2 · 41	95 · 0	34
Hurst Castle	29 · 996	39 · 8	38 · 8	45 · 4	36 · 3	60	1877	17	1895	2 · 10	—	—
Dover	29 · 990	38 · 8	37 · 7	44 · 2	35 · 5	56	1882	11	1889	1 · 81	—	—
LONDON	29 · 996	38 · 1	36 · 8	45 · 5	34 · 5	62	1876, 91	10	1895	1 · 64	33 · 0†	12†
Oxford	29 · 994	37 · 3	36 · 1	44 · 9	34 · 2	64	1891	7	1895	1 · 76	66 · 3	24
Cambridge	29 · 987	36 · 7	35 · 7	45 · 5	32 · 1	67	1891	6	1895	1 · 42	70 · 5	26
Yarmouth	29 · 967	37 · 8	36 · 9	42 · 3	34 · 0	58	1872	15	1895	1 · 73	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30·3 in. and more over the Bay of Biscay and the southwestern parts of France.
Lowest. Below 28·6 in. over the Shetland Islands, and below 28·7 ins. over the northern parts of Sweden and Norway.
Gradients steep, especially over our northern districts.
Barometer falling fast in the northeast, but inclined to rise in the extreme west.

TEMPERATURE

Highest 48° to 50° over the western and northern parts of France, 47° at Scilly, 46° in London.
Lowest (1) 23° at Haparanda, 32° at Hernösand; (2) 38° to 40° over the N.ᵗʰ and inland parts of Ireland.
After rising to between 55° and 60° over our northern and eastern districts during yesterday, it has fallen again very quickly during the night.

WIND

W.ly to NW.ly over the United Kingdom – strong on our eastern and southern coasts, and blowing a hard gale in the west and northwest.
A gale from SW. was felt in the northwest and north last night.

WEATHER

Very unsettled as a whole, though temporarily clear and bright over England; sleet and hail are reported in Ireland, rain in Scotland, lightning at Stornoway.
Though rain has again fallen in most places the amounts measured are not large as a rule. Bright Sunshine recorded yesterday amounted to about 5 hrs. at Aberdeen and Southport, 3 hrs. at Llandudno, 4½ hrs. at Cambridge, none at Stornoway, the Irish stations or in London.

SEA

Very high on our NW. coasts, rough in the English Channel.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

As the depression passes off the wind will moderate slowly from NW. and a fine cold night is probable in most parts of the Kingdom. Our western and northern coasts were all warned on Monday.

FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
▼ 0 SCOTLAND NORTH	NW. gales moderating slowly, squally, cold showers. Temperature falling.	▼ 6 SCOTLAND WEST	
▼ 1 SCOTLAND EAST		▼ 7 ENGLAND N.W.	
2 ENGLAND N.E.		▼ 8 ENGLAND S.W.	Same as Nos 0 and 1.
3 ENGLAND EAST	W. to NW. winds, strong to moderate, fair, very cold tonight.	▼ 9 IRELAND NORTH	
4 MIDLAND COUNTIES		▼ 10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	The South Cone is still flying in districts 0, 1 and 6 to 10.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.67	47	44	WSW	8	o	5
Sumburgh Head	29.36	47	45	W	7	o	7
Stornoway	29.68	49	48	WSW	4	r	4
Aberdeen	29.61	55	47	SW	4	bcq	3
Shields	29.85	56	53	SW	5	c	2
Ardrossan	29.75	50	50	S	5	r	4
Malin Head ...	29.70	52	52	WSW	7	rq	4
Belmullet	29.91	53	52	WSW	6	ow	*
Holyhead	30.05	51	50	SW	5	f	4

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.13	54	53	SW	6	rw	6
Scilly	30.05	52	51	WSW	5	pw	4
Jersey	30.09	52	51	W	5	ow	4
Hurst Castle ...	30.18	50	49	SW	4	ow	3
Dungeness ...	30.20	52	51	WSW	4	o	3
North Foreland	30.18	55	54	WSW	5	bc	3
London (Westminster)	30.20	57	54	SW	3	o	*
Yarmouth ...	30.07	58	55	W	4	bc	3
Rochefort ...	30.16	52	50	NNW	3	o	*

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

Weather in morning fine over S^rn Europe and the Mediterranean as a whole; changeable and unsettled over all the N^rn countries, with rain in many localities, snow at Archangel; rain falling later over the greater part of our Islands and W^rn Europe, amounts being considerable at Christiansund, Stornoway and Cuxhaven.

Temperature risen generally over the United Kingdom, fallen over the Continent. Morning readings highest 54° to 50° over Ireland, England and the NW. of France. Lowest (1) -3° F. at Moscow, +8° at Archangel, 10° at St. Petersburg, 17° at Haparanda, and 29° at Bodo, rather below 40° over central Europe as a whole. Rising to between 55° and 60° in many parts of Gt. Britain during the day, and to 50° as far north as Wick.

Wind (1) Light and anticyclonic over France, Italy and Spain; (2) N. over many parts of the Mediterranean and central Europe; (3) W. to S. over the northern and northwestern countries, and blowing hard on the Norwegian coast and in the extreme north of Scotland. Strong gales from SW. and W. setting in on our northern coasts later, and spreading southwards over the Irish Sea and St. George's Channel.

Barometer highest 30.6 ins. and more to 30.4 ins. in an anticyclone covering Spain, the Bay of Biscay, France and the W^rn parts of the Channel. Lowest (1) below 29.0 ins. off the NW. coast of Norway; (2) below 29.5 ins. over the S. of Russia; (3) below 29.9 ins. over Malta and the S. of Italy. Falling very fast in the N. of our Islands later, as a depression approached Scotland from the W^rd.

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 3rd February, 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 ...	28·79	18	SE	4	c	28·95	+ ·24	13	13	− 10	NE	2	s	*	c	*	25	12	0·04
	Hernösand ...	28·79	31	2	0	0	29·01	+ ·32	30	27	− 2	N	4	0	*	0	*	32	25	0·04
	Stockholm ...	28·76	33	W	2	0	28·97	+ ·21	33	32	− 6	N	2	0	*	0	*	43	32	0·16
	Wisby	28·84	39	SW	6	r	28·95	− ·02	36	35	− 5	N	4	0	*	r	*	41	36	0·04
	Karlstad ...	28·80	35	N	2	bc	29·10	+ ·31	31	27	− 10	N	4	b	*	bc	*	*	*	—
	Bodö	28·74	34	SW	4	0	28·85	+ ·22	34	32	0	W	2	c	2	0	*	34	30	—
	Christiansund ...	29·05	35	ENE	6	0	29·29	+ ·58	36	?	− 1	NW	6	r	5	0	*	39	28	0·20
	Skudesnaes ...	28·85	42	NNW	8	c	29·39	+ ·51	33	31	− 12	NNW	9	c	5	c	*	45	30	*
	Færder (Christiania Fjord)	28·76	39	N	2	m	29·15	+ ·24	35	30	− 6	NE	6	bc	4	m	*	46	35	0·12
	Skagen (The Scaw)	28·79	41	W	3	0	29·13	+ ·11	39	34	− 2	NE	6	c	2	0	*	45	37	0·04
	Fanö	28·92	43	WSW	7	c	29·28	− ·02	39	36	− 6	NW	7	c	*	c	*	45	37	0·04
	Sumburgh Head	29·33	35	N	4	0	29·41	+ ·84	34	32	− 8	SW	1	0	4	r.0	*	43	30	0·05
	Stornoway ...	29·66	37	NW	5	0	29·61	+ ·69	38	38	− 4	NNW	6	osp	6	0	0·3	42	33	0·25
	Wick	29·46	39	NW	6	0	29·51	+ ·79	35	34	− 7	W	3	0	2	0,s	*	44	31	0·08
	Nairn	29·55	38	WNW	5	r	29·63	+ ·78	35	35	− 8	W	3	ors	2	r	*	43	31	0·13
	Aberdeen ...	29·41	39	NW	9	cq	29·64	+ ·75	34	31	− 8	SW	3	cg	3	cpq,s	0·5	43	32	0·16
	Leith	29·54	42	WNW	1	0	29·73	+ ·60	37	36	− 6	WSW	3	cmv	*	0	*	49	34	—
	Shields	29·44	43	WNW	4	c	29·79	+ ·49	37	37	− 7	WSW	3	0	2	c,p	*	45	31	0·01
	Spurn Head ...	29·45	43	W	8	c	29·86	+ ·36	39	38	− 3	WNW	6	cq	6	c	*	44	36	0·03
	York	29·50	41	W	4	b	29·86	+ ·37	38	37	− 5	W	3	0	*	c,b	2·6	45	33	0·02
	Loughborough ...	29·66	38	W	7	r	29·99	+ ·30	38	36	− 4	W	4	c	*	cq,r,bc	*	47	37	0·04
British Islands.	Ardrossan ...	29·60	43	WNW	8	bpq	29·77	+ ·50	42	42	− 3	WNW	4	r	3	bpq	*	45	37	0·24
	Malin Head ...	29·76	42	NW	9	chpq	29·83	+ ·45	45	44	+ 5	NW	8	c	6	cqhrp	*	45	32	0·30
	Belmullet ...	30·07	45	WNW	7	bcq	30·12	+ ·29	47	46	+ 6	W	6	r	*	hpq,bcq	+	47	36	0·26
	Donaghadee ...	29·78	40	W	8	pq	29·94	+ ·43	41	39	+ 3	W	6	0	5	pq	*	42	36	037
	Liverpool (Bidston)	29·68	42	W	10	0	29·95	+ ·35	42	39	− 2	W	8	0	8	cmp	*	45	38	0·03
	Holyhead ...	29·87	42	WNW	9	chpq	30·04	+ ·35	43	40	0	W	8	cqm	7	cq,hpq	*	44	39	0·02
	Parsonstown ...	30·05	37	NW	2	b	30·14	+ ·29	44	42	+ 5	W	3	cq	*	b,rs,b	3·1	44	35	0·04
	Valencia ...	30·26	44	NW	7	chq	30·32	+ ·25	47	45	+ 4	W	6	cmp	6	chq	2·3	48	37	0·16
	Roche's Point ...	30·15	40	NW	6	rspq	30·25	+ ·23	43	42	+ 3	WNW	5	c	3	rspq	*	43	40	0·15
	Pembroke (St. Ann's Hd.)	29·99	42	NW	8	b	30·20	+ ·29	45	43	0	NW	7	b	6	b	2·9	45	40	0·04
	Scilly	30·14	45	WNW	8	chq	30·30	+ ·20	47	45	0	WNW	5	cp	6	chq	3·8	48	39	0·11
	Prawle Point ...	30·03	40	WNW	6	cpq	30·25	+ ·19	40	38	− 3	NW	4	bcp	4	cpq	*	45	36	0·09
	Jersey (St. Aubin's)	30·08	45	WNW	7	chrpq	30·27	+ ·18	44	41	− 4	WNW	5	bchrp	4	cqrh	*	46	39	0·21
	Hurst Castle ...	29·91	46	WNW	6	bc	30·15	+ ·21	42	39	− 4	WNW	5	b	3	cpq,bc	*	47	39	0·01
	Dungeness ...	29·76	42	W	6	bc	30·04	+ ·20	36	35	− 10	WNW	5	b	4	bc	*	50	36	—
	North Foreland	29·71	47	WSW	7	bcq	?30·06	+ ·25	39	38	− 6	W	6	bcq	4	bcq	*	47	38	—
	London (Brixton) ...	29·77	41	WNW	5	bc	30·05	+ ·23	37	35	− 9	W	2	b	*	bcq	4·5	48	36	—
	Oxford	29·84	40	W	7	c	30·08	+ ·26	37	35	− 4	WSW	3	c	*	cpq	*	47	36	0·02
	Cambridge ...	29·67	42	W	7	cq	30·01	+ ·27	36	35	− 7	W	3	b	*	b,cq	7·0	47	34	—
	Yarmouth ...	29·50	43	W	7	cq	29·89	+ ·25	34	32	− 10	W	4	bm	5	bq,cq	*	46	32	0·01
Germany & Holland.	Cuxhaven ...	30·19	42	W	8	r	29·36	− ·17	40	39	− 6	NW	9	0	*	p	*	46	39	0·20
	Berlin	29·38	40	W	5	b	29·20	− ·41	40	39	− 10	W	5	r	*	b	*	52	36	0·24
	Wiesbaden ...	*	*	*	*	*	29·73	− ·20	39	36	− 12	SW	2	bc	*	*	*	52	37	0·12
	Munich	29·83	37	W	6	r	29·80	− ·26	34	31	− 15	W	7	s	*	r	*	51	32	0·04
	The Helder ...	29·36	42	WSW	9	r	†29·74	+ ·12	40	36	− 6	NW	7	bc	4	r	*	46	37	0·08
Belgium.	Brussels ...	*	*	*	*	*	29·93	+ ·08	38	35	− 9	WNW	5	c	*	c	*	48	35	0·12
	Cape Gris Nez ...	29·73	41	WNW	7	c	29·97	+ ·13	41	38	− 7	NNW	6	c	6	c	*	50	36	—
	Paris	29·98	42	W	4	c	30·11	+ ·02	41	37	− 7	WNW	4	bc	*	c	*	55	36	0·12
	Brest	30·24	43	NW	5	c	30·40	+ ·17	47	45	− 3	NW	3	c	8	c	*	50	37	0·04
	Lorient	30·22	48	WNW	6	c	30·38	+ ·10	44	44	− 5	NW	4	bc	5	c	*	54	36	0·04
France &	Rochefort ...	30·10	50	WNW	7	r	30·38	+ ·02	45	42	− 4	NNW	5	b	*	0.r	*	52	41	0·08
	Belfort	29·95	40	SW	5	0	29·96	− ·23	32	32	− 12	SW	6	s	*	0	*	47	32	0·04
	Lyons	30·16	46	NW	5	0	30·23	− ·11	35	34	− 7	WNW	3	opq	*	0	*	52	35	—
	Nice																*			
	Perpignan ...	30·18	58	NW	3	c	30·30	·00	44	39	− 15	NW	4	bc	*	c	*	70	43	—
	Biarritz ...	30·43	55	NW	5	0	30·43	+ ·05	45	44	− 4	N	6	r	6	0.r	*	55	45	0·12
Peninsula.	Corunna ...																*			
	Lisbon	30·43	57	N	4	bc	30·40	− ·09	52	47	+ 4	NNE	4	b	*	bc	*	64	52	—
	Azores (P. Delgada)	30·70	56	NE	4	0	30·67	·00	55	54	− 2	NE	4	m	3	0	*	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 0·2 hrs;

WEATHER CHARTS

FOR ..... THURSDAY, 3RD FEBRUARY, ... 1898

BAROMETER, WIND AND SEA.

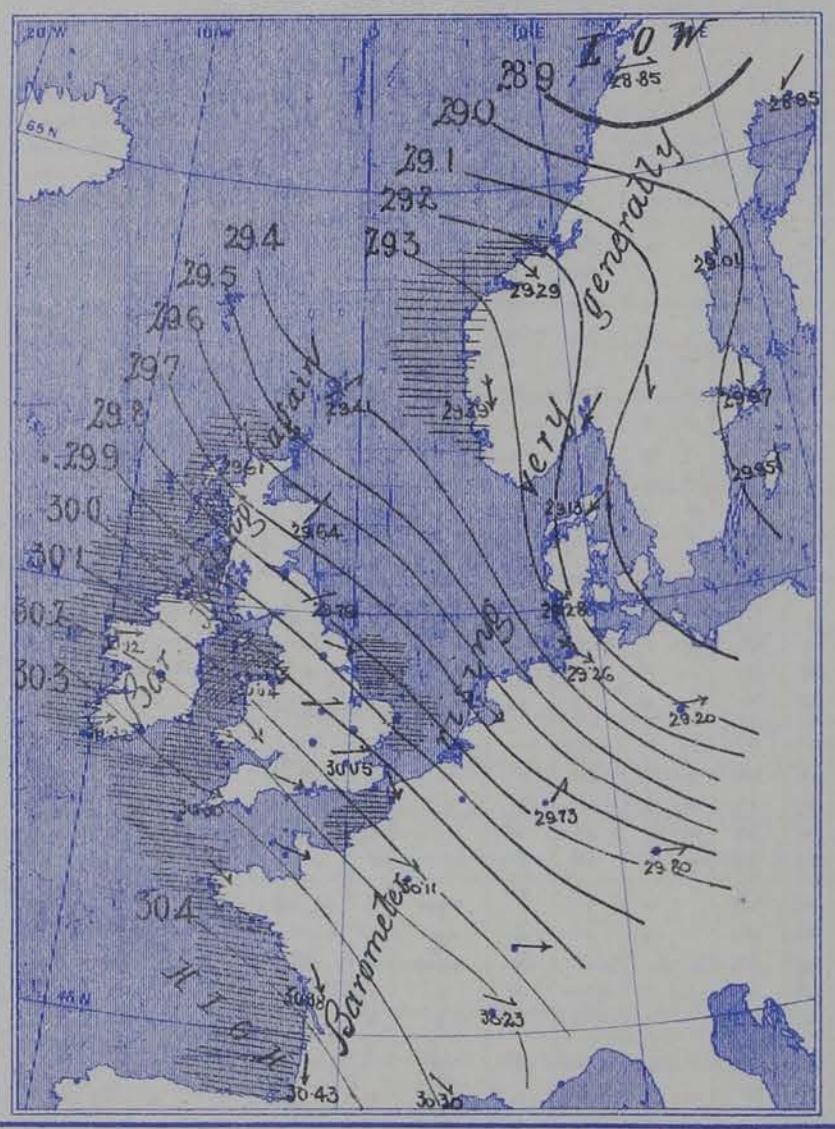
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▩

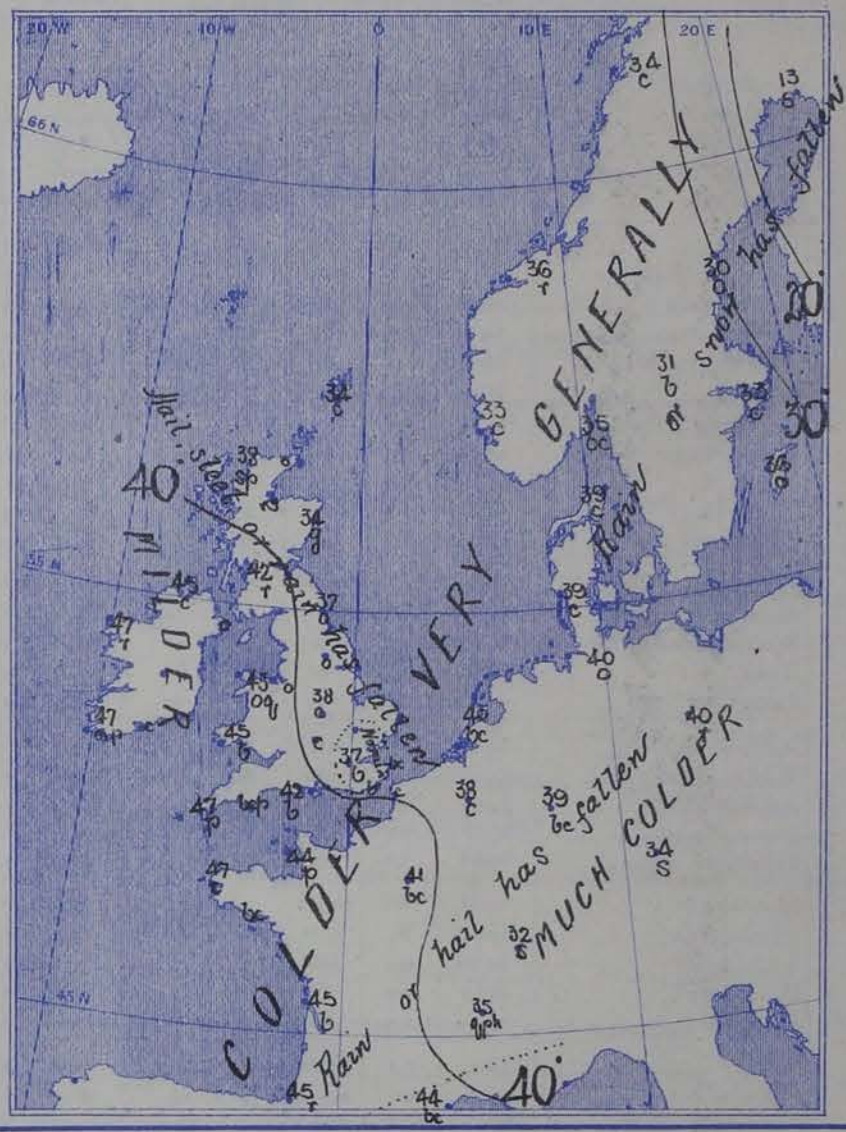


TEMPERATURE & WEATHER.

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 FEBRUARY.

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 · 772	38 · 6	37 · 2	42 · 2	34 · 4	51	1887, 91	17	1895	3 · 11	—	—
Stornoway	29 · 775	38 · 9	38 · 0	43 · 6	34 · 2	55	1891	12	1892	3 · 80	63 · 6	25
Wick	29 · 800	37 · 7	36 · 4	42 · 9	32 · 9	59	1878	2	1895	2 · 16	—	—
Nairn	29 · 815	36 · 7	35 · 1	43 · 4	32 · 5	64	1891	0	1895	1 · 65	—	—
Aberdeen	29 · 853	36 · 9	35 · 2	43 · 1	33 · 3	59	1878, 83	6	1895	2 · 26	73 · 4	28
Leith	29 · 873	38 · 1	36 · 7	45 · 5	33 · 9	59	1882	12	1895	1 · 51	—	—
Shields	29 · 908	38 · 3	36 · 9	43 · 9	34 · 4	59	1887 *	7	1895	1 · 50	—	—
Spurn Head	29 · 938	38 · 1	37 · 2	42 · 2	35 · 4	57*	1891	20*	1895	1 · 32	—	—
York	29 · 945	37 · 0	36 · 0	44 · 4	33 · 2	59	1872, 78	3	1895	1 · 68	60 · 0	22
Loughborough	29 · 972	36 · 7	35 · 5	45 · 2	33 · 0	64*	1891	—5*	1895	1 · 71	—	—
Ardrossan	29 · 880	39 · 2	38 · 0	44 · 4	35 · 9	56	1891	13	1895	2 · 93	—	—
Malin Head	29 · 844	41 · 0	39 · 5	45 · 5	38 · 3	—	—	—	—	—	—	—
Belmullet	29 · 870	42 · 3	40 · 7	47 · 2	38 · 8	—	—	—	—	4 · 20	—	—
Donaghadee	29 · 894	40 · 0	39 · 1	45 · 5	36 · 6	56	1894	16	1895	2 · 34	—	—
Holyhead	29 · 923	41 · 1	39 · 8	45 · 4	38 · 3	59	1891	17	1895	2 · 42	—	—
Liverpool	29 · 943	38 · 5	37 · 0	44 · 3	35 · 7	62	1878	12	1895	1 · 68	—	—
Parsonstown	29 · 915	39 · 1	37 · 8	46 · 8	35 · 1	59	1891	6	1895	2 · 16	68 · 0	25
Valencia	29 · 917	44 · 3	42 · 6	49 · 5	40 · 3	58	1891	22	1895	4 · 89	72 · 9	27
Roche's Point	29 · 927	43 · 0	41 · 4	48 · 2	39 · 4	56	1877, 89	25	1895	4 · 19	—	—
Pembroke	29 · 948	41 · 8	40 · 5	45 · 3	39 · 0	52	1877, 91	23	1895	2 · 62	79 · 9	29
Scilly	29 · 964	45 · 7	44 · 1	48 · 6	42 · 4	56	1877	27	1895	2 · 62	—	—
Prawle Point	29 · 996	41 · 2	40 · 2	46 · 6	37 · 8	57*	1891	21*	1888, 92, 95	1 · 94	—	—
Jersey	30 · 016	42 · 0	40 · 6	46 · 8	38 · 8	62	1891	18	1895	2 · 41	95 · 0	34
Hurst Castle	29 · 996	39 · 8	38 · 8	45 · 4	36 · 3	60	1877	17	1895	2 · 10	—	—
Dover	29 · 990	38 · 8	37 · 7	44 · 2	35 · 5	56	1882	11	1889	1 · 81	—	—
LONDON	29 · 996	38 · 1	36 · 8	45 · 5	34 · 5	62	1876, 91	10	1895	1 · 64	33 · 0†	12†
Oxford	29 · 994	37 · 3	36 · 1	44 · 9	34 · 2	64	1891	7	1895	1 · 76	66 · 3	24
Cambridge	29 · 987	36 · 7	35 · 7	45 · 5	32 · 1	67	1891	6	1895	1 · 42	70 · 5	26
Yarmouth	29 · 967	37 · 8	36 · 9	42 · 3	34 · 0	58	1872	15	1895	1 · 73	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.3 ins. and more over the extreme SW. of our Islands and the west of France, and apparently still higher over the Bay of Biscay and Spain.
Lowest. Below 29.0 ins. over the Baltic and also over the western parts of Lapland.
Gradients still rather steep over our Islands and the North Sea.
Barometer after rising rapidly has begun to fall again over our Islands – decidedly in the N.

TEMPERATURE

Highest 47° at Sicily and Valencia (Ireland), 45° at Pembroke and at Rochefort.
Lowest (1) 13° to 30° over the Nth. parts of Scandinavia; (2) 34° to 37° over the greater part of Scotland, 37° to 38° over the Nth. and Eth. parts of England; 32° at Belfort, 34° at Munich, and 35° at Lyons.
The fall over Gt. Britain since yesterday has been very decided, and frost had occurred on the grass in most districts.

WIND

W. by W., moderate to fresh, over England, NW. by W. strong to a gale on our western and northwestern coasts and over the North Sea, but SW. by W. light in the east of Scotland.
The gales experienced yesterday were very strong from the NWwd. on the northwestern and northern coasts of the British Islands, and a squally gusty wind was experienced generally

WEATHER

Temporarily clear over the Channel and the SE. and S. of England, dull & squally and very unsettled elsewhere, with snow, hail or cold rain at some of the Wth. and Nth. stations, as well as at Lyons.
Rain, hail or snow have fallen in many parts of the Kingdom, but not in large quantities. Bright Sunshine recorded yesterday was as much as 7 hrs. at Cambridge, 5.5 hrs. at Hastings, 5 hrs. at Brighton and 4.5 hrs. in London; at the Scotch stations there was 0.5 hr. or less.

SEA

Still very high at Liverpool, and very rough on our NWth. and Wth. coasts generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed yesterday has reached the Baltic and western Russia; a new (secondary) system is advancing towards Scotland from the northwestward, and is likely to cause a renewed spell of rough winds and weather – probably snow or cold rain – over our Islands, especially over the Nth. and Wth. districts.

FORECASTS

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

DISTRICTS.	FORECASTS.
1 SCOTLAND NORTH	NW. by W. and N. by W. gales and strong winds; squally showers, very cold tonight.
2 SCOTLAND EAST	
ENGLAND N.E.	
3 ENGLAND EAST	W. by W. winds, fresh, dull, then NW. or N. by W., very strong; snow or cold rain, very cold in morning.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	Same as Nos. 0 to 2.
7 ENGLAND N.W.	
8 ENGLAND S.W.	
9 IRELAND NORTH	
10 IRELAND SOUTH	
WARNINGS	At 10.15 am today to districts 0 to 2, and 6 to 10. Hoist North Cone.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	28·65	45	43	SW	7	o	6
Sumburgh Head	29·02	38	38	N	4	r	6
Stornoway	29·39	38	37	NW	6	ohq	6
Aberdeen	29·10	40	38	WNW	10	cpq	6
Shields	29·24	44	42	SW	7	c	2
Ardrossan	29·41	44	42	WNW	8	bpq	5
Malin Head ...	29·53	39	39	NW	9	hrq	8
Belmullet	29·93	39	36	NW	8	chpq	*
Holyhead	29·73	43	39	W	9	cqu	7
Valencia	30·14	41	37	WNW	8	chq	7
Scilly	30·10	45	42	WNW	8	chq	7
Jersey	30·07	48	45	W	6	chrq	4
Hurst Castle ...	29·91	40	38	WNW	7	cpq	6
Dungeness ...	29·76	48	42	W	7	bc	6
North Foreland	29·72	46	42	WSW	7	bcq	5
London (Westminster)	29·76	48	42	W	5	c	*
Yarmouth ...	29·52	45	40	W	6	bq	4
Rochefort ...	30·32	51	50	NW	5	o	*

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

Weather in morning fine and quiet over the Mediterranean and the extreme S. of Europe; temporarily fine over the greater part of England and in Holland; very rough over the N^rn and NW^n countries generally, with rain in many places, sleet and hail at many of our W^rn stations; lightning at Stornoway. Sleet, soft hail or cold rain falling later except at some of the W^rn stations, but with considerable bright intervals in many parts of England.

Temperature falling fast over the British Islands and NW^n Europe, rising fast over Germany. Morning readings highest 50° to 58° on the S^rn and W^rn sides of the Mediterranean, 51° at Wiesbaden, 50° both at Berlin and Brest. Lowest 16° at Archangel, 17° at Moscow, 23° at Haparanda 31° at Kuopio. Falling decidedly, but moderately over the NW^n countries later — frost occurring on the grass over the British Isles at night.

Wind light and variable over the SW^n, S^rn and SE^rn countries; much stronger and cyclonic over the N^rn half of Europe. Blowing a hard gale from NW. and W. on our own western coasts, and a moderate gale over the North Sea and the Baltic. The gale becoming more severe over the North Sea later, and continuing to blow very hard on our western coasts.

Barometer highest 30.6 ins. to 30.2 ins. in an anticyclone of irregular form covering Spain and the SW^n half of France, with all adjacent parts of the Atlantic, and exceeding 30.1 ins. over nearly the whole of S^rn Europe, including Hungary. Lowest below 28.7 ins. over the N^rn parts of Scandinavia, and below 28.6 over the Shetland Islands. Rising very rapidly over our N^rn districts later; falling fast over the S^rn parts of Norway and Sweden

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 4th February, 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 ...	29.26	0	N	2	b	29.46	+ .51	-4	-6	— 17	NE	2	b	*	b	*	19	?	—
	Hernosand ...	29.19	24	E	0	s	29.28	+ .27	16	15	— 14	NE	4	s	*	s	*	30	16	0.08
	Stockholm ...	29.14	28	NW	2	0	29.14	+ .17	22	21	— 11	W	2	c	*	0	*	34	22	0.08
	Wisby	29.16	32	N	6	s	29.14	+ .19	30	29	— 6	NNW	4	0	*	s	*	36	30	0.08
	Karlstad ...	29.25	24	N	2	b	29.20	+ .10	19	18	— 12	N	2	bc	*	b	*	*	*	—
	Bodo	29.06	25	E	4	0	29.21	+ .36	17	15	— 17	E	6	0	2	0	*	?	16	—
	Christiansund ...	29.26	28	SE	5	bc	29.15	— .14	31	29	— 5	NNE	4	0	6	bc	*	36	27	0.20
	Skudesnaes ...	29.17	31	E	0	c	29.16	— .23	26	24	— 7	NNE	4	c	3	c,c	*	36	26	+
	Færder (Christiania Fjord)	29.25	33	SE	1	c	29.15	.00	27	24	— 8	NE	5	0	2	c	*	36	27	—
	Skagen (The Scaw)	29.27	34	E	0	bc	29.04	— .09	31	31	— 8	ESE	8	s	3	bc	*	39	28	0.16
	Fano	29.31	37	SW	3	c	29.00	— .28	31	31	— 8	N	1	c	*	c	*	39	31	0.16
British Islands.	Sumburgh Head	29.25	32	NNW	4	c	29.32	— .09	32	31	— 2	N	3	0	4	c	*	37	28	0.19
	Stornoway ...	29.56	37	NW	4	c	29.50	— .11	32	32	— 6	NNW	4	osp	4	hpq,c	2.6	40	29	0.15
	Wick	29.40	30	NW	6	c	29.37	— .14	31	30	— 4	NW	3	c	2	c	*	38	27	0.06
	Nairn	29.52	35	NNW	5	s	29.45	— .18	32	30	— 3	WNW	2	c	2	s	*	40	28	0.09
	Aberdeen ...	29.45	34	WNW	6	bcprs	29.39	— .25	31	30	— 3	NNW	3	bc	5	bc, rsp, s	4.9	42	29	0.14
	Leith	29.51	38	W	2	b	29.41	— .32	34	31	— 3	WNW	2	om	*	b	*	44	32	—
	Shields	29.52	38	W	3	bc	29.35	— .44	33	30	— 4	NW	4	c	4	o.p, hrsp	*	45	32	0.02
	Spurn Head ...	29.54	35	WNW	1	r	29.30	— .56	36	34	— 3	NW	4	c	5	o.r, s	*	43	34	0.46
	York	29.55	38	WNW	1	b	29.36	— .50	35	32	— 3	NNW	1	c	*	r, b	0.9	45	34	0.30
	Loughborough ...	29.61	45	WSW	6	0	29.40	— .59	36	35	— 2	WNW	1	osp	*	cpq, oq	*	46	36	0.15
	Ardrossan ...	29.59	43	W	5	bcpr	29.41	— .36	35	34	— 7	NW	3	om	2	bcpq	*	45	34	0.26
	Malin Head ...	29.70	45	NW	6	crq	29.48	— .35	36	36	— 9	NE	5	rs	3	o, crq	*	48	35	0.30
	Belmullet ...	29.88	49	NNW	3	om	29.65	— .47	44	42	— 3	NNW	9	oq	*	om	*	50	40	0.26
	Donaghadee ...	29.69	46	WNW	6	c	29.44	— .50	37	36	— 4	NE	6	r	4	c	*	48	36	0.18
	Liverpool (Bidston)	29.64	46	W	7	0	29.41	— .54	36	34	— 6	N	3	r	3	0.r	*	48	35	0.43
	Holyhead ...	29.71	49	W	8	opq	29.41	— .63	41	40	— 2	N	3	rgm	3	omp, opq	*	49	40	0.11
	Parsonstown ...	29.88	49	W	1	0	29.59	— .55	44	41	0	W	5	cr	*	0.r	0.0	50	43	0.10
	Valencia ...	30.01	50	WSW	5	rm	29.85	— .47	49	45	+ 2	NW	7	opq	6	rg, rm	0.0	52	46	0.21
	Roche's Point ..	29.98	51	WNW	4	0	29.62	— .63	47	45	+ 4	NNW	8	c	5	0	*	52	43	—
	Pembroke (St. Ann's Hd.)	29.87	50	WNW	6	0	29.48	— .72	47	45	+ 2	WNW	7	rq	6	0	0.0	51	45	0.25
	Scilly	30.05	50	W	7	rm	29.70	— .60	52	48	+ 5	WNW	8	c	6	op, m	0.1	52	45	0.10
	Prawle Point ...	29.95	48	SW	6	0	29.49	— .76	49	47	+ 9	WNW	7	bcp	6	opq	*	50	39	0.03
	Jersey (St. Aubin's)	30.03	49	W	5	o2m	29.53	— .74	52	51	+ 8	W	5	omp	4	p, o2m	*	52	42	0.17
	Hurst Castle ...	29.80	48	W	5	op	29.37	— .78	47	46	+ 5	WSW	2	opr	2	o. p	*	50	41	0.01
	Dungeness ...	29.74	44	W	5	r	29.36	— .68	41	40	+ 5	WNW	2	0	2	0.r	*	46	35	0.04
	North Foreland	29.71	43	WSW	3	r	29.35	— .71	39	38	0	NW	3	0	2	c.r	*	46	38	0.14
	London (Brixton) ...	29.69	46	W	5	op	29.38	— .67	40	39	+ 3	NNW	2	org	*	op	0.0	47	37	0.05
	Oxford	29.66	47	W	4	r	29.39	— .69	39	39	+ 2	N	1	or	*	or	*	47	36	0.20
	Cambridge ...	29.58	44	WSW	5	0	29.38	— .63	35	34	— 1	N	3	s	*	orq	0.5	46	34	0.11
	Yarmouth ...	29.57	41	W	5	r	29.29	— .60	36	34	+ 2	WNW	4	c	4	or	*	41	32	0.50
Germany & Holland.	Cuxhaven ...	29.38	38	WNW	6	0	29.02	— .34	34	34	— 6	NNW	2	0	*	0.s	*	41	32	0.08
	Berlin	29.44	33	WNW	4	b	29.18	— .02	30	29	— 10	SE	2	0	*	b	*	41	27	0.35
	Wiesbaden ...	*	*	*	*	*	29.24	— .49	37	35	— 2	NW	2	bc	*	*	*	43	34	0.04
	Munich	29.83	30	W	6	b	29.28	— .52	33	32	— 1	W	7	0	*	b	*	36	28	0.12
	The Helder ...	29.51	42	W	2	0	29.17	— .57	36	34	— 4	NW	5	s	4	0	*	43	34	0.28
Belgium.	Brussels ...	*	*	*	*	*	29.33	— .60	38	35	0	WNW	4	0	*	r	*	43	36	0.24
	Cape Gris Nez ...	29.68	46	W	7	r	29.37	— .60	43	40	+ 2	NW	4	0	4	r	*	46	34	0.12
	Paris ...	29.97	40	WSW	3	r	29.40	— .71	46	45	+ 5	WNW	4	r	*	r	*	46	40	0.43
	Brest ...	30.07	50	NW	5	0	29.74	— .66	52	50	+ 5	WNW	6	c	5	0	*	52	46	0.12
	Lorient	30.16	48	WNW	6	r	29.71	— .67	52	51	+ 8	NW	6	f	7	r	*	54	36	0.42
France &	Rochefort ...	30.28	48	NW	6	0	29.85	— .53	51	50	+ 6	NW	6	0	*	0	*	51	41	0.20
	Belfort	29.97	32	SW	6	s	29.42	— .54	35	35	+ 3	SSW	6	r	*	s	*	?	30	0.16
	Lyons ...	30.13	39	NNW	1	0	29.65	— .58	40	39	+ 5	SSW	2	r	*	0	*	43	34	0.08
	Nice																*			
	Perpignan ...	30.23	46	NW	3	0	29.88	— .42	51	45	+ 7	NW	3	0	*	0	*	51	41	—
	Biarritz ...	30.30	51	NW	5	r	29.97	— .46	52	52	+ 7	W	7	r	7	r	*	52	45	0.24
Peninsula.	Corunna ...																*			
	Lisbon	30.39	53	N	4	bc	30.39	— .01	51	47	— 1	NNE	4	c	*	bc	*	63	50	—
	Azores (P. Delgada)	30.65	55	ENE	4	0	30.59	— .08	54	52	— 1	NE	4	c	3	0	*	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 0.0 hrs;

WEATHER CHARTS

FOR FRIDAY, 4TH FEBRUARY, 1898

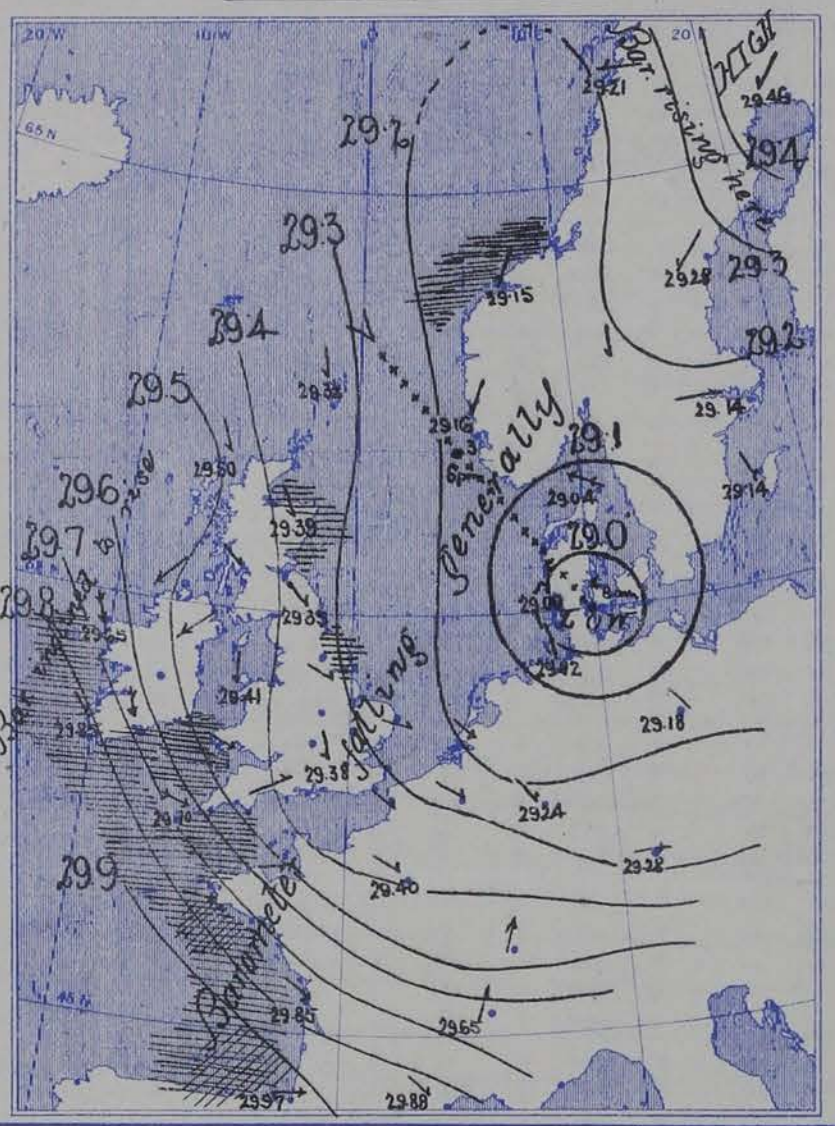
BAROMETER, WIND AND SEA.

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 ▓

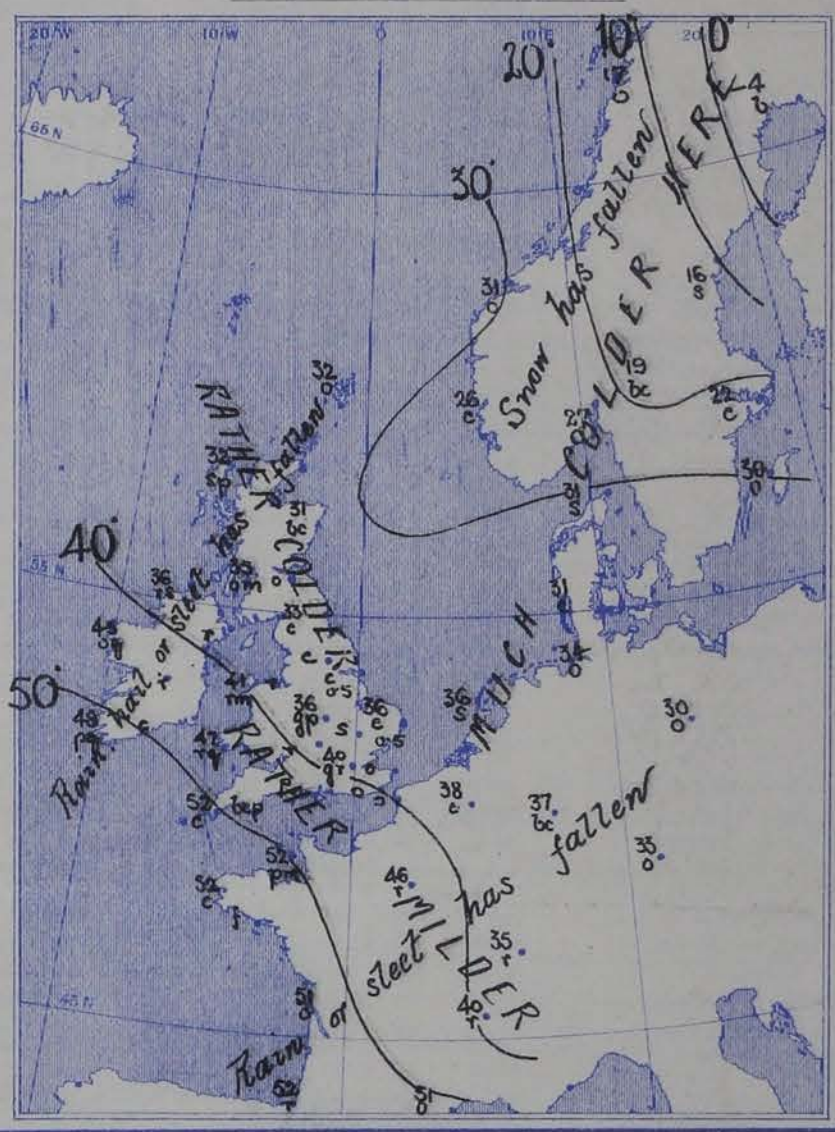


TEMPERATURE & WEATHER.

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 FEBRUARY.

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 · 772	38 · 6	37 · 2	42 · 2	34 · 4	51	1887, 91	17	1895	3 · 11	—	—
Stornoway	29 · 775	38 · 9	38 · 0	43 · 6	34 · 2	55	1891	12	1892	3 · 80	63 · 6	25
Wick	29 · 800	37 · 7	36 · 4	42 · 9	32 · 9	59	1878	2	1895	2 · 16	—	—
Nairn	29 · 815	36 · 7	35 · 1	43 · 4	32 · 5	64	1891	0	1895	1 · 65	—	—
Aberdeen	29 · 853	36 · 9	35 · 2	43 · 1	33 · 3	59	1878, 83	6	1895	2 · 26	73 · 4	28
Leith	29 · 873	38 · 1	36 · 7	45 · 5	33 · 9	59	1882	12	1895	1 · 51	—	—
Shields	29 · 908	38 · 3	36 · 9	43 · 9	34 · 4	59	1887	7	1895	1 · 50	—	—
Spurn Head	29 · 938	38 · 1	37 · 2	42 · 2	35 · 4	57*	1891	20*	1895	1 · 32	—	—
York	29 · 945	37 · 0	36 · 0	44 · 4	33 · 2	59	1872, 78	3	1895	1 · 68	60 · 0	22
Loughborough	29 · 972	36 · 7	35 · 5	45 · 2	33 · 0	64*	1891	−5*	1895	1 · 71	—	—
Ardrossan	29 · 880	39 · 2	38 · 0	44 · 4	35 · 9	56	1891	13	1895	2 · 93	—	—
Malin Head	29 · 844	41 · 0	39 · 5	45 · 5	38 · 3	—	—	—	—	—	—	—
Belmullet	29 · 870	42 · 3	40 · 7	47 · 2	38 · 8	—	—	—	—	4 · 20	—	—
Donaghadee	29 · 894	40 · 0	39 · 1	45 · 5	36 · 6	56	1894	16	1895	2 · 34	—	—
Holyhead	29 · 923	41 · 1	39 · 8	45 · 4	38 · 3	59	1891	17	1895	2 · 42	—	—
Liverpool	29 · 943	38 · 5	37 · 0	44 · 3	35 · 7	62	1878	12	1895	1 · 68	—	—
Parsonstown	29 · 915	39 · 1	37 · 8	46 · 8	35 · 1	59	1891	6	1895	2 · 16	68 · 0	25
Valencia	29 · 917	44 · 3	42 · 6	49 · 5	40 · 3	58	1891	22	1895	4 · 89	72 · 9	27
Roche's Point	29 · 927	43 · 0	41 · 4	48 · 2	39 · 4	56	1877, 89	25	1895	4 · 19	—	—
Pembroke	29 · 948	41 · 8	40 · 5	45 · 3	39 · 0	52	1877, 91	23	1895	2 · 62	79 · 9	29
Scilly	29 · 964	45 · 7	44 · 1	48 · 6	42 · 4	56	1877	27	1895	2 · 62	—	—
Prawle Point	29 · 996	41 · 2	40 · 2	46 · 6	37 · 8	57*	1891	21*	1888, 92, 95	1 · 94	—	—
Jersey	30 · 016	42 · 0	40 · 6	46 · 8	38 · 8	62	1891	18	1895	2 · 41	95 · 0	34
Hurst Castle	29 · 996	39 · 8	38 · 8	45 · 4	36 · 3	60	1877	17	1895	2 · 10	—	—
Dover	29 · 990	38 · 8	37 · 7	44 · 2	35 · 5	56	1882	11	1889	1 · 81	—	—
LONDON	29 996	38 · 1	36 · 8	45 · 5	34 · 5	62	1876, 91	10	1895	1 · 64	33 · 0†	12†
Oxford	29 · 994	37 · 3	36 · 1	44 · 9	34 · 2	64	1891	7	1895	1 · 76	66 · 3	24
Cambridge	29 · 987	36 · 7	35 · 7	45 · 5	32 · 1	67	1891	6	1895	1 · 42	70 · 5	26
Yarmouth	29 . 967	37 · 8	36 · 9	42 · 3	34 · 0	58	1872	15	1895	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) 30.0 ins. and more to 29.8 ins. over Spain, and the SW.m parts of France & Ireland. (2) 29.46 ins. at Haparanda. Lowest. Below 29.0 ins. in a depression lying over Holstein and the Sound; 29.15 ins. at Clusbiansund. Gradients steep over Ireland, Cornwall, and the NW. of France, moderate and very irregular elsewhere. Barometer falling except over the northern parts of Scandinavia.

TEMPERATURE — Highest 54° to 52° along the W. coast of France and in the Scilly Islands, 49° at Valencia, 46° at Paris. Lowest (1) −4° F. at Haparanda, + 16° at Hernösand, 31° at Fair Isle, Wick and Aberdeen. It was apparently still falling unsteadily over the Kingdom generally, and is now below the mean for February at the Scotch stations.

WIND — N.by.W. to NW.by.W. over the greater part of our Islands, but more W.by.N. over the Channel, N.by.W. to E.by.N. over Scandinavia. A strong gale was still prevalent on our extreme W. and NW. coasts, but in the north and east the wind had subsided. A very strong NW.by.W. wind prevailed over the Bay of Biscay.

WEATHER — Had cleared up at our NE.m. stations, but was still very unsettled in all districts, with occasional falls of cold rain and sleet, both in our Islands and France, and very heavy clouds at times. Bright Sunshine yesterday amounted to 4.9 hrs. at Aberdeen, and 2.6 hrs. at Stornoway; at the Irish and English stations there was hardly any — in many places none.

SEA — Very rough at the SW.m. stations, rather so or moderate in other exposed places.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The general condition of the weather is very unsettled. Cold showers are probable in most places, separated by bright intervals over England. Should these occur in the night time the cold will be very keen.

FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
1 SCOTLAND NORTH	NW.by.W. and N.by.W. winds, varying greatly in force, a gale at times; showers of cold rain or wet snow.	6 SCOTLAND WEST	N.by.W. gales; squally, cold rain or wet snow.
2 SCOTLAND EAST		7 ENGLAND N.W.	
3 ENGLAND N.E.		8 ENGLAND S.W.	
4 ENGLAND EAST		9 IRELAND NORTH	
5 MIDLAND COUNTIES		10 IRELAND SOUTH	
6 ENGLAND SOUTH		WARNINGS	At 7.10 pm yesterday to districts 3 and 5. Hoist North Cone. The signals are still flying in districts 0 to 2 and 6 to 10.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.38	35	32	W	2	o	4	Valencia	30.14	50	49	WSW	7	TQ	6
Sumburgh Head	29.26	35	32	NNW	4	c	4	Scilly	30.19	50	47	WNW	6	ofp	6
Stornoway	29.55	40	38	NNW	4	c	4	Jersey	30.16	49	45	W	6	og	4
Aberdeen	29.46	40	37	NW	5	cq	3	Hurst Castle ...	29.99	47	43	W	4	o	3
Shields	29.59	44	44	WSW	4	o	3	Dungeness ...	29.92	44	40	W	5	o	4
Ardrossan	29.59	45	45	W	4	bqpq	3	North Foreland	29.89	42	41	WSW	4	c	3
Malin Head ...	29.66	46	46	NW	6	o	6	London (Westminster)	29.89	46	42	WNW	3	op	*
Belmullet	29.94	50	49	WNW	5	om	*	Yarmouth	29.75	40	39	WNW	5	r	4
Holyhead	29.81	48	? 46	W	8	cpq	7	Rochefort ...	30.40	45	?	NW	5	bc	*

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

Weather in morning, though clear in several localities, becoming very unsettled over W^rn, NW^rn and S^rn Europe. Rain and sleet falling over the N^rn and W^rn parts of the British Islands, snow, hail or rain in many parts of France, Norway and Lapland. Very cold showers reported later over our Islands and W^rn Europe generally. Halos seen at Oxford and in London.

Temperature continuing to fall unsteadily over the whole of W^rn Europe. Morning readings highest 56° at Algiers and Palermo, 54° at Leghorn, 47° at Brest, Scilly and Belmullet, 44° at Jersey, 43° at Holyhead. Lowest 12° at Archangel, 13° at Haparanda, but rather above the freezing point over the greater part of Europe. Falling decidedly but unsteadily over the British Islands later; very sharp frost occurring over Scotland.

Wind W^ly to N^ly over all the western countries, and blowing a gale over many parts of the British Islands and the eastern shores of the North Sea; SW^ly over Hungary, Poland and N. Germany, as well as over the southern half of Russia, but NE^ly over Finland, N^ly over Sweden. No general change later, but temporary variations from a moderate breeze to a gale observed over the British Islands generally.

Barometer highest 30.5 ins. and more over the N^rn half of Spain, and exceeding 30.2 ins. over the Iberian peninsula generally, the W^rn half of France and the SW^rn parts of England and Ireland. Lowest (1) 28.7 ins. and less to 28.9 ins. over Finland and the N^rn parts of Russia, and below 29.0 ins. over the extreme S. of Sweden and the Baltic; (2) below 29.7 ins. over the N. of Italy and SE^rn Europe generally. Shallow secondary disturbances approaching the N^rn parts of the British Islands from the NW^wd. All the low pressure systems moving SE^wds later, and barometer rising over N^rn 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 Saturday 5th February, 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 ...	29.71	?	N	2	m	29.84	+ .38	-15	-16	— 11	N	2	b	#	m	#	0	-15	—
	Hernösand ...	29.49	10	NE	4	s	29.67	+ .39	10	9	— 6	NE	4	o	#	s	#	25	9	0.05
	Stockholm ...	29.29	24	NW	2	c	29.41	+ .27	23	22	+ 1	NNE	4	s	#	c	#	28	21	—
	Wisby	29.19	31	E	4	c	29.33	+ .19	28	27	— 2	N	8	s	#	c	#	32	28	0.04
	Karlstad ...	29.34	21	N	2	b	29.58	+ .38	12	11	— 7	N	2	b	#	b	#	#	#	—
	Bodo	29.58	15	E	6	b	29.77	+ .56	13	11	— 4	E	6	b	2	b	#	18	12	—
	Christiansund ...	29.28	33	NE	3	o	29.61	+ .46	26	24	— 5	E	2	b	4	o	#	34	26	0.12
	Skudesnaes ...	29.37	26	NNE	2	b	29.51	+ .35	29	27	+ 3	NNE	2	bc	3	b	#	31	21	+
	Færder (Christiania Fjord)	29.28	28	N	4	bc	29.56	+ .41	21	19	— 6	NE	4	bc	2	bc	#	28	21	—
	Skagen (The Scaw)	29.32	28	ENE	4	bc	29.52	+ .48	27	26	— 4	NE	1	bc	0	bc	#	31	25	0.20
	Fanö	29.13	32	E	6	o	29.52	+ .52	26	25	— 5	NNE	2	b	#	o	#	36	26	—
British Islands.	Sumburgh Head	29.45	32	N	3	c	29.78	+ .46	33	31	+ 1	NW	3	o	4	bc, c	#	35	29	—
	Stornoway ...	29.67	34	N	4	bc	29.93	+ .43	32	30	0	WNW	3	osp	3	c, sp	3.8	39	28	0.06
	Wick	29.42	32	NNW	3	c	29.83	+ .46	24	24	— 7	NNW	2	c	2	c	#	38	24	0.10
	Nairn	29.64	34	NNW	1	c	29.90	+ .45	30	28	— 2	NW	2	bc	2	s, c	#	37	27	0.03
	Aberdeen ...	29.54	32	NW	5	bcq	29.86	+ .47	30	28	— 1	WNW	3	bc	4	bcq, sp	4.3	35	28	0.26
	Leith	29.60	34	NW	4	b	29.91	+ .50	34	31	0	NW	2	b	#	b	#	43	31	—
	Shields	29.49	34	N	4	s	29.86	+ .51	34	33	+ 1	WNW	2	c	4	sp, c	#	38	30	0.06
	Spurn Head ...	29.40	36	NW	5	c	29.78	+ .48	32	31	— 4	NW	4	spq	5	cq, sp	#	41	31	0.14
	York	29.47	34	NNW	2	bc	29.83	+ .47	32	32	— 3	N	1	b	#	sp, bc	3.7	39	30	0.02
	Loughborough ...	29.49	34	NW	2	b	29.86	+ .46	29	27	— 7	WNW	2	b	#	gs, cm, b	#	38	29	0.12
	Ardrossan ...	29.62	35	N	2	b	29.94	+ .53	35	34	0	N	1	b	0	b	#	40	33	—
	Malin Head ...	29.66	39	N	4	crsp	29.99	+ .51	40	39	+ 4	N	4	crsp	3	o, crsp	#	40	36	0.06
	Belmullet ...	29.76	43	NNW	8	opq	30.09	+ .44	40	39	— 4	NNW	3	bc	#	rq, pq	#	47	35	0.70
	Donaghadee ...	29.63	38	WNW	5	b	29.99	+ .55	38	35	+ 1	NW	6	b	4	b	#	41	34	0.05
	Liverpool (Bidston)	29.56	36	N	1	bc	29.93	+ .52	37	32	+ 1	NNW	3	b	4	rs, bc	#	38	32	0.03
	Holyhead ...	29.59	40	N	4	c	29.97	+ .56	41	36	0	N	4	bc	3	o, c	#	41	35	0.16
	Parsonstown ...	29.67	41	W	2	r	30.10	+ .51	31	31	— 13	L	0	b	#	or, b	0.6	46	30	0.05
	Valencia ...	29.88	46	NNW	9	oqr	30.14	+ .29	45	43	— 4	N	2	omp	5	cq, rlq	0.7	49	40	0.25
	Roche's Point ..	29.68	44	NNW	8	rq	30.11	+ .49	38	36	— 9	NW	3	b	3	rq	#	47	37	0.20
	Pembroke (St. Ann's Hd.)	29.59	48	NNE	6	o	30.00	+ .52	40	36	— 7	N	5	b	4	o	0.7	47	34	0.10
	Scilly	29.62	48	NW	1	cq	30.02	+ .32	48	43	— 4	N	5	c	6	cnq, cq	2.0	52	40	0.11
	Prawle Point ...	29.53	42	WNW	6	c	29.97	+ .48	34	32	— 15	N	3	b	3	pq, c	#	50	31	0.06
	Jersey (St. Aubin's)	29.47	49	WNW	7	opq	29.93	+ .40	40	35	— 12	NNW	5	bc	4	bc, epq	#	52	37	0.15
	Hurst Castle ...	29.48	37	NNW	3	cm	29.90	+ .53	32	30	— 15	NNW	3	bm	2	p, o, cm	#	50	31	0.13
	Dungeness ...	29.37	36	WNW	3	c	29.75	+ .39	31	31	— 10	NW	4	b	2	c	#	42	30	0.04
	North Foreland	29.33	37	WNW	7	cq	29.72	+ .37	35	33	— 4	WNW	7	bcq	5	cq	#	40	32	—
	London (Brixton) ...	29.43	36	NNW	4	b	29.82	+ .44	32	29	— 8	NW	2	b	#	rsp, bc, b	0.0	41	32	0.08
	Oxford	29.57	34	NNW	3	b	29.88	+ .49	31	29	— 8	NW	2	b	#	rsp, o, b	#	40	31	0.07
	Cambridge ...	29.44	34	NNW	4	b	29.82	+ .44	30	28	— 5	NNW	3	b	#	b	0.8	40	29	—
	Yarmouth ...	29.30	37	NNW	6	bc	29.69	+ .40	35	34	— 1	NW	4	bc	5	crsp, bc, hq	#	39	32	0.14
Germany & Holland.	Cuxhaven ...	28.97	32	WNW	2	s	29.45	+ .43	31	31	— 3	NNE	5	c	#	shp	#	36	30	0.20
	Berlin	28.91	38	WNW	4	r	29.22	+ .04	31	30	+ 1	NNW	3	s	#	r	#	34	30	0.12
	Wiesbaden ...	#	#	#	#	#	29.35	+ .11	33	31	— 4	NW	3	c	#	#	#	37	32	0.28
	Munich	29.05	31	SW	5	s	29.34	+ .06	26	25	— 7	SW	6	bc	#	s	#	36	25	0.08
	The Helder ...	29.15	37	N	6	s	29.59	+ .42	36	35	0	NNE	2	bc	3	s	#	41	34	0.12
France & Belgium.	Brussels ...	#	#	#	#	#	29.61	+ .28	33	32	— 5	N	5	c	#	bc	#	40	30	0.04
	Cape Gris Nez ...	29.34	39	N	6	o	29.67	+ .30	37	36	— 6	N	6	c	6	o	#	45	32	—
	Paris	29.35	37	N	4	r	29.68	+ .28	35	32	— 11	NW	4	c	#	r	#	50	33	0.39
	Brest	29.67	48	NNW	6	o	29.95	+ .21	39	38	— 13	N	3	c	4	o	#	52	36	0.16
	Lorient	29.65	47	NW	6	r	29.96	+ .25	41	41	— 11	N	5	b	5	r	#	55	30	0.08
	Rochefort ...	29.70	50	WNW	7	o	29.91	+ .06	38	36	— 13	N	5	b	#	o	#	52	36	0.28
	Belfort	29.08	36	SW	4	r	29.50	+ .08	28	27	— 7	W	5	bc	#	r	#	39	28	0.51
	Lyons	29.30	48	NW	5	bc	29.58	— .07	32	30	— 8	NNW	3	o	#	bc, pqrs	#	50	31	0.12
	Nice	29.16	53	NW	9	b	29.56		43	34		N	5	c	4	b	#	55	43	—
	Perpignan ...	29.59	54	NW	7	b	29.51	— .37	41	41	— 10	NW	4	r	#	b	#	64	41	0.12
	Biarritz ...	29.88	54	WSW	7	r	29.78	— .19	47	44	— 5	N	7	r	7	rlr	#	55	43	0.63
Penin-sula.	Corunna ...																#			
	Lisbon	30.33	56	N	4	o	30.26	— .13	53	48	+ 2	N	5	b	#	o	#	59	51	--
	Azores (P. Delgada)	30.54	55	ENE	4	bc	30.44	— .15	54	51	0	NE	3	o	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 0.1 hrs;

WEATHER CHARTS

FOR SATURDAY, 5TH FEBRUARY, 1898

BAROMETER, WIND AND SEA.

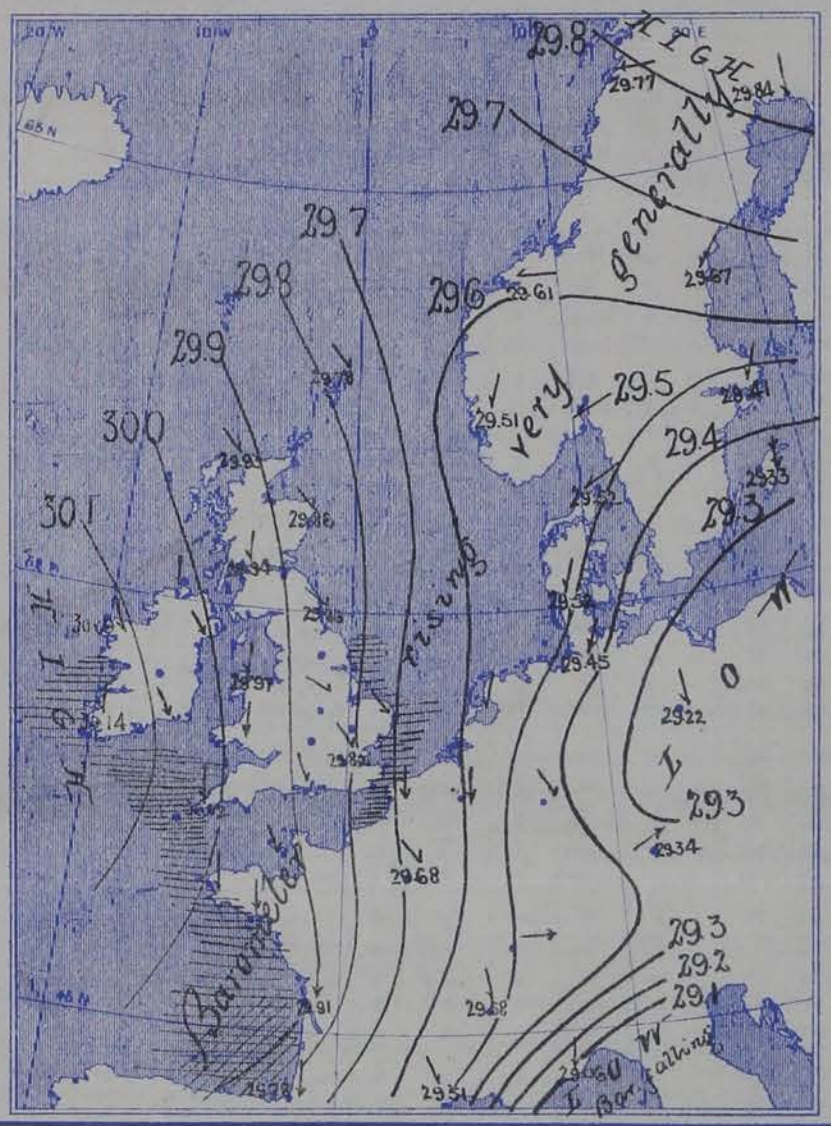
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▩

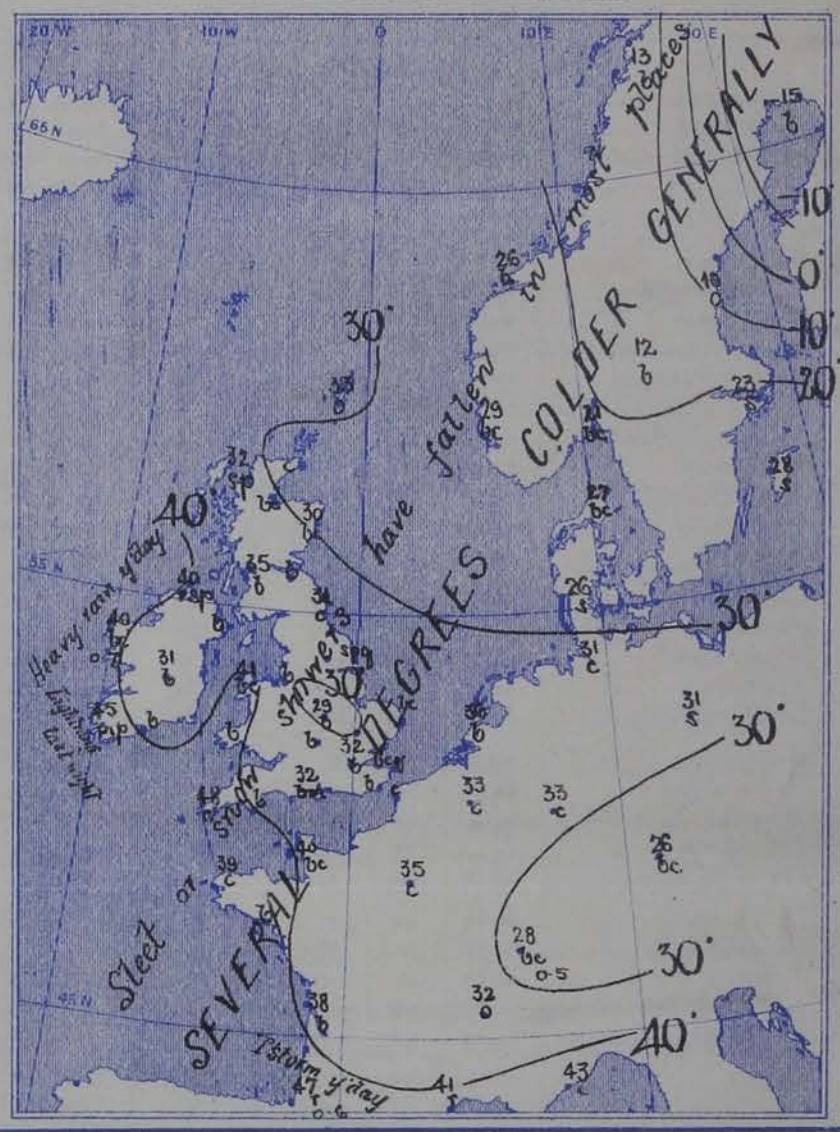


TEMPERATURE & WEATHER.

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 FEBRUARY.

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 · 772	38 · 6	37 · 2	42 · 2	34 · 4	51	1887, 91	17	1895	3 · 11	—	—
Stornoway	29 · 775	38 · 9	38 · 0	43 · 6	34 · 2	55	1891	12	1892	3 · 80	63 · 6	25
Wick	29 · 800	37 · 7	36 · 4	42 · 9	32 · 9	59	1878	2	1895	2 · 16	—	—
Nairn	29 · 815	36 · 7	35 · 1	43 · 4	32 · 5	64	1891	0	1895	1 · 65	—	—
Aberdeen	29 · 853	36 · 9	35 · 2	43 · 1	33 · 3	59	1878, 83	6	1895	2 · 26	73 · 4	28
Leith	29 · 873	38 · 1	36 · 7	45 · 5	33 · 9	59	1882	12	1895	1 · 51	—	—
Shields	29 · 908	38 · 3	36 · 9	43 · 9	34 · 4	59	1887	7	1895	1 · 50	—	—
Spurn Head	29 · 938	38 · 1	37 · 2	42 · 2	35 · 4	57*	1891	20*	1895	1 · 32	—	—
York	29 · 945	37 · 0	36 · 0	44 · 4	33 · 2	59	1872, 78	3	1895	1 · 68	60 · 0	22
Loughborough	29 · 972	36 · 7	35 · 5	45 · 2	33 · 0	64*	1891	—5*	1895	1 · 71	—	—
Ardrossan	29 · 880	39 · 2	38 · 0	44 · 4	35 · 9	56	1891	13	1895	2 · 93	—	—
Malin Head	29 · 844	41 · 0	39 · 5	45 · 5	38 · 3	—	—	—	—	—	—	—
Belmullet	29 · 870	42 · 3	40 · 7	47 · 2	38 · 8	—	—	—	—	4 · 20	—	—
Donaghadee	29 · 894	40 · 0	39 · 1	45 · 5	36 · 6	56	1894	16	1895	2 · 34	—	—
Holyhead	29 · 923	41 · 1	39 · 8	45 · 4	38 · 3	59	1891	17	1895	2 · 42	—	—
Liverpool	29 · 943	38 · 5	37 · 0	44 · 3	35 · 7	62	1878	12	1895	1 · 68	—	—
Parsonstown	29 · 915	39 · 1	37 · 8	46 · 8	35 · 1	59	1891	6	1895	2 · 16	68 · 0	25
Valencia	29 · 917	44 · 3	42 · 6	49 · 5	40 · 3	58	1891	22	1895	4 · 89	72 · 9	27
Roche's Point	29 · 927	43 · 0	41 · 4	48 · 2	39 · 4	56	1877, 89	25	1895	4 · 19	—	—
Pembroke	29 · 948	41 · 8	40 · 5	45 · 3	39 · 0	52	1877, 91	23	1895	2 · 62	79 · 9	29
Scilly	29 · 964	45 · 7	44 · 1	48 · 6	42 · 4	56	1877	27	1895	2 · 62	—	—
Prawle Point	29 · 996	41 · 2	40 · 2	46 · 6	37 · 8	57*	1891	21*	1888, 92, 95	1 · 94	—	—
Jersey	30 · 016	42 · 0	40 · 6	46 · 8	38 · 8	62	1891	18	1895	2 · 41	95 · 0	34
Hurst Castle	29 · 996	39 · 8	38 · 8	45 · 4	36 · 3	60	1877	17	1895	2 · 10	—	—
Dover	29 · 990	38 · 8	37 · 7	44 · 2	35 · 5	56	1882	11	1889	1 · 81	—	—
LONDON	29 996	38 · 1	36 · 8	45 · 5	34 · 5	62	1876, 91	10	1895	1 · 54	33 · 0†	12†
Oxford	29 · 994	37 · 3	36 · 1	44 · 9	34 · 2	64	1891	7	1895	1 · 76	66 · 3	24
Cambridge	29 · 987	36 · 7	35 · 7	45 · 5	32 · 1	67	1891	6	1895	1 · 42	70 · 5	26
Yarmouth	29 . 967	37 · 8	36 · 9	42 · 3	34 · 0	58	1872	15	1895	1 · 73	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.0 ins. to 30.1 ins. and more over Ireland and apparently still higher over the Atlantic; 29.8 ins. and more over Lapland.

Lowest. Below 29.1 ins. over the Riviera, and below 29.3 ins. over Germany and the S.E. part of the Baltic.

Gradients decreasing. Barometer rising generally, most in the east and southeast.

TEMPERATURE

Highest 54° at Lisbon, 48° at Scilly, 45° at Valencia, 41° at Holyhead.

Lowest – 15° F. at Haparanda, +10° at Hernösand, 12° at Karlstad; 26° at Munich, 28° at Belfort, 33° at Brussels; 29° at Loughborough, 31° at Oxford and Parsonstown.

A very sharp frost has occurred on the grass over the inland parts of our Islands early in the morning. In London the lowest value was 25°.

WIND

NW. ¾ to N. ¾ all over our Islands, light to fresh in force; NW. ¾ to W. ¾ over France, moderate to strong in force, but decreasing.

Over Scandinavia it was N. ¾ to E. ¾ and was strong in some localities.

The NW. ¾ gale blew with great force at Scilly last night but has since gone down in all places where it was prevalent yesterday.

WEATHER

Very fine over the British Islands, France and the North Sea, still unsettled over the Baltic and Germany, with snow in several places.

The falls of cold rain and hail recorded yesterday, though general, were not heavy except at Belmullet and Barnsley. Bright Sunshine recorded yesterday was about 4 hrs. at the northern stations, much slighter elsewhere, where the sky did not clear till late in the day.

SEA

Still rather rough in the S. and E. but was going down.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone in the west is spreading over us and increasing in intensity as the depressions in the E. pass away, and a fine spell is probable over our Islands for a day or two, with a very keen, frosty night tonight.

FORECASTS

For the 24 hours ending at NOON on 6TH FEBRUARY 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW. ¾ and W. ¾ winds, light; fine, milder tomorrow.
1	SCOTLAND EAST	
2	ENGLAND N.E.	N. ¾ and NW. ¾ winds, moderate to light; very keen air, sharp frost tonight.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos. 0 and 1.
7	ENGLAND N.W.	Same as Nos. 2 to 5.
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	At 3.40 pm. yesterday to districts 0, 1 and 6, and at 10.30 am. today to districts 3 and 5. Lower Cone. The signals are now down 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 ..	29.24	31	29	NE	2	b	2
Sumburgh Head	29.39	34	32	N	4	bc	4
Stornoway	29.58	39	36	N	4	c	4
Aberdeen	29.44	34	32	NW	5	bcqsp	4
Shields	29.40	34	33	NNW	4	c	4
Ardrossan	29.52	40	37	NNW	3	b	2
Malin Head ...	29.56	39	36	N	4	o	3
Belmullet	29.70	45	43	NNW	9	rq	*
Holyhead	29.49	39	35	N	3	o	2
Valencia	29.84	48	43	NNW	9	cq	7
Scilly	29.67	46	43	NW	8	cnq	6
Jersey	29.46	52	47	NW	7	bc	5
Hurst Castle ...	29.36	40	39	NNE	4	o	3
Dungeness ...	29.28	38	35	WNW	4	c	3
North Foreland	29.27	38	34	WNW	5	c	4
London (Westminster)	29.33	37	35	N	3	c	*
Yarmouth ...	29.22	37	35	NW	4	crsp	4
Rochefort ...	29.78	51	50	NW	7	o	*

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

Weather in morning cloudy and very unsettled over the whole of W^m. and many parts of S^w. Europe, with rain, sleet or snow in many places; dull over central Europe and Russia, but clear and bright over Lapland and the N. of Finland. Squalls of snow, hail and cold rain experienced later over the British Islands, France and Germany, but the weather subsequently clearing in most places. Lightning seen at Valencia.

Temperature risen quickly over France and the extreme N. of England, fallen elsewhere—rapidly over N^w. Europe. Morning readings highest 59° at Coruna, and exceeding 60° on all the Atlantic coasts of the Spanish peninsula and France, as well as at Jersey and Scilly. Lowest (1) rather below zero in the extreme N. of Europe, but +19° at Carlstadt, 24° at St. Petersburg, (2) 30° to 33° over the greater part of central Europe, 31° at Faro, at Wick and Aberdeen, 35° at York. Falling unsteadily over the British Islands and France later, and freezing sharply on the ground in those regions at night; freezing very hard over Scandinavia.

Wind (1) N. and NW. over our Islands, and blowing hard on our west and southwest coasts; W. to SW. over the greater part of Germany, calm at Memel and Riga; NE. over Scandinavia and the north of Finland; (2) blowing hard from the NW^wd. (mistral) over the Riviera, and from W. at Biarritz. The NW. gale blowing very hard on our southwest coasts later.

Barometer highest 30.59 ins. in the Azores, and ranging between 30.4 ins. and 30.0 ins. over the Spanish peninsula and the N. of Africa; exceeding 29.7 ins. in the W. of France and SW. of Ireland. Lowest below 29.0 ins. in a depression over Holstein and the Sound; below 29.4 ins in another disturbance over the S. of Russia; secondary disturbances found over the Gulf of Genoa, S. Germany, England and the Irish sea. All these systems moving SE^wds. later, and barometer rising fast over the British Islands and NW^m. 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 Sunday 6th February, 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 ...	29.92	-12	N	2	b	29.91	+ .07	-13	-14	+ 2	N	2	b	*	b	*	-8	-18	—
	Hernösand ...	29.81	8	NE	4	b	29.83	+ .16	5	4	— 5	NE	4	b	*	b	*	12	-11	—
	Stockholm ...	29.65	13	NNW	4	o	29.75	+ .34	14	13	— 9	NNW	2	o	*	o	*	25	12	0.04
	Wisby	29.62	25	NNW	6	o	29.75	+ .42	22	21	— 6	NNW	4	c	*	o	*	30	23	0.08
	Karlstad ...	29.80	13	N	2	bc	29.85	+ .27	4	3	— 8	N	2	b	*	bc	*	*	*	—
	Bodö	29.90	12	ENE	4	b	29.92	+ .15	12	?	— 1	ENE	5	b	1	b	*	14	9	—
	Christiansund ...	29.71	23	ESE	2	b	29.53	— .08	21	20	— 5	ESE	4	b	4	b	*	27	21	—
	Skudesnaes ...	29.74	27	ESE	2	bc	29.56	+ .05	31	28	+ 2	ESE	7	c	3	c,bc	*	41	14	*
	Færder (Christiania Fjord)	29.79	20	NE	4	b	29.85	+ .29	13	12	— 8	NE	4	o	2	bc	*	23	12	—
	Skagen (The Scaw)	29.80	25	NE	1	bc	29.80	+ .28	25	24	— 2	ESE	1	c	o	bc	*	27	19	—
	Fanö	29.76	30	E	4	c	29.73	+ .21	30	29	+ 4	ESE	5	c	*	c	*	36	26	—
British Islands.	Sumburgh Head	29.71	30	2	0	c	29.18	— .65	37	36	+ 4	W	3	0	4	bc, o	*	39	30	0.16
	Stornoway ...	29.65	37	SSW	4	o	29.33	— .60	34	34	+ 2	WNW	4	o	4	o	0.8	37	30	0.20
	Wick	29.74	30	SW	4	o	29.24	— .59	35	34	+ 11	WNW	6	bcw	3	o	*	38	23	0.05
	Nairn	29.77	35	WNW	1	c	? 29.36	— .54	36	35	+ 6	W	3	bc	2	c	*	41	28	0.01
	Aberdeen ...	29.84	32	SW	2	c	29.39	— .47	36	33	+ 6	WSW	2	bc	2	beq, c, rs	3.8	36	30	0.03
	Leith	29.89	36	W	1	o	29.48	— .43	38	36	+ 4	W	2	bc	*	o	*	45	33	—
	Shields	29.93	36	WNW	2	c	29.53	— .33	40	38	+ 6	SW	2	c	3	s, c, r	*	42	32	0.08
	Spurn Head ...	29.92	37	NW	4	b	? 29.58	— .20	40	38	+ 8	SW	3	o	4	sp, b, r	*	40	32	0.15
	York	29.95	35	N	1	c	29.59	— .24	41	40	+ 9	W	1	c	*	p, c	6.8	41	30	0.04
	Loughborough ...	30.01	32	WNW	1	c	29.68	— .18	40	40	+ 11	WSW	2	cp	*	bc, opq	*	41	29	0.06
	Ardrossan ...	29.86	41	NW	1	o	29.52	— .52	40	40	+ 5	W	6	bcpq	4	b, o	*	42	34	0.09
	Malin Head ...	? 29.87	41	SSW	6	orsm	29.56	— .43	40	39	o	NNW	6	bcq	4	c, orsm	*	43	38	0.07
	Belmullet ...	29.92	48	WSW	5	r	29.77	— .32	40	37	o	WNW	5	c	*	o, r	*	50	35	0.20
	Donaghadee ...	29.93	39	SW	4	o	29.64	— .35	39	38	+ 1	W	4	c	2	o	*	42	35	0.08
	Liverpool (Bidston)	30.00	38	WSW	1	o	29.64	— .29	43	40	+ 6	W	7	o	6	o	*	47	36	0.05
	Holyhead ...	30.00	41	WSW	2	c	29.72	— .25	43	41	+ 2	W	6	cp	5	cph, c	*	47	36	0.30
	Parsonstown ...	29.98	42	W	1	o	29.80	— .30	38	37	+ 7	L	o	b	*	o, or	0.5	49	31	0.04
	Valencia ...	30.05	49	SW	4	omq	29.93	— .21	45	41	o	W	6	op	8	cq, omq	0.2	51	42	0.08
	Roche's Point ...	30.06	46	W	3	o	29.89	— .22	45	43	+ 7	NW	3	bc	3	o	*	47	38	—
	Pembroke (St. Ann's Hd.)	30.07	42	NW	3	o	29.81	— .19	46	43	+ 6	NW	6	oq	4	b, o	4.7	49	40	0.04
	Scilly	30.11	46	WNW	3	c	29.92	— .10	52	50	+ 4	W	5	o	3	c	5.1	52	42	0.02
	Prawle Point ...	30.10	38	WNW	3	bc	29.86	— .11	49	48	+ 15	W	5	cpw	4	bc	*	49	33	0.08
	Jersey (St. Aubin's)	30.08	41	NW	3	b	29.96	+ .03	48	47	+ 8	WSW	6	omp	5	bc, b	*	48	38	0.03
	Hurst Castle ...	30.04	35	NW	1	bcm	29.80	— .10	49	48	+ 17	WSW	5	o	3	b, bc	*	49	32	0.05
	Dungeness ...	29.96	33	WNW	2	b	29.80	+ .05	43	41	+ 12	SW	6	rq	5	bc, b	*	43	30	0.06
	North Foreland	29.97	37	WNW	4	b	29.81	+ .09	38	38	+ 3	S	4	r	3	bc, b	*	39	33	0.13
	London (Brixton) ...	30.02	38	WNW	2	cm	29.78	— .04	46	45	+ 14	SW	6	orq	*	b, o	3.1	46	32	0.12
	Oxford	30.04	34	WSW	2	o	29.73	— .15	44	43	+ 13	SW	3	or	*	b, o, r	*	44	31	0.20
	Cambridge ...	30.01	32	NNW	2	b	29.71	— .11	39	38	+ 9	SW	4	o	*	b, r	6.4	42	29	0.06
	Yarmouth ...	29.88	37	NW	3	b	29.66	— .03	37	36	+ 2	SW	6	orq	4	c, b	*	39	31	0.03
Germany & Holland.	Cuxhaven ...	29.73	32	N	1	o	29.75	+ .30	33	33	+ 2	SW	2	sp	*	o	*	34	30	—
	Berlin														*		*			
	Wiesbaden ...	*	*	*	*	*	30.06	+ .71	29	28	— 4	NW	1	bc	*	*	*	36	26	—
	Munich	29.74	25	W	4	c	30.09	+ .75	21	21	— 5	W	5	bc	*	o	*	32	20	0.04
	The Helder ...	29.82	39	NNW	2	bc	29.75	+ .16	40	36	+ 4	SW	5	o	3	bc	*	41	36	—
France & Belgium.	Brussels ...	*	*	*	*	*	29.97	+ .36	33	32	o	S	5	o	*	b	*	40	30	—
	Cape Gris Nez ...	29.90	40	N	5	c	29.82	+ .15	41	41	+ 4	W	6	r	6	c	*	41	32	—
	Paris	29.99	37	NNW	3	b	30.10	+ .42	32	31	— 3	S	2	o	*	b	*	41	28	—
	Brest	30.13	44	N	3	bc	30.04	+ .09	50	49	+ 11	WSW	4	f	4	bc	*	46	37	—
	Lorient	30.13	45	N	4	c	30.10	+ .14	50	50	+ 9	W	5	r	5	c	*	52	41	—
	Rochefort ...	30.08	43	N	5	bc	30.19	+ .28	41	38	+ 3	SW	3	o	*	bc	*	46	36	—
	Belfort	? 29.80	29	W	1	o	30.23	+ .73	17	16	— 11	W	3	m	*	o	*	37	15	—
	Lyons ...	29.85	33	N	5	c	30.20	+ .62	27	25	— 5	NNW	6	b	*	c	*	37	26	—
	Nice	29.87	37	E	1	o	29.59	+ .03	33	25	— 10	ENE	3	b	4	fbq, o	*	52	33	—
	Perpignan ...	29.85	40	NW	3	b	30.10	+ .59	37	32	— 4	NW	5	bc	*	b	*	43	36	0.12
	Biarritz ...	30.04	48	N	6	r	30.21	+ .43	39	38	— 8	SSE	2	c	6	r	*	48	39	0.24
Penin-sula.	Corunna ...																*			
	Lisbon	30.30	52	NE	4	bc	30.36	+ .10	50	47	— 3	NE	4	b	*	bc	*	59	50	—
	Azores (P. Delgada)	30.34	56	E	4	r	30.28	— .16	58	57	+ 4	ESE	4	o	4	r	*	59	54	0.16

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

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

Bright Sunshine yesterday Southport 7.0 hrs;

WEATHER CHARTS

FOR SUNDAY, 6TH FEBRUARY, 1898

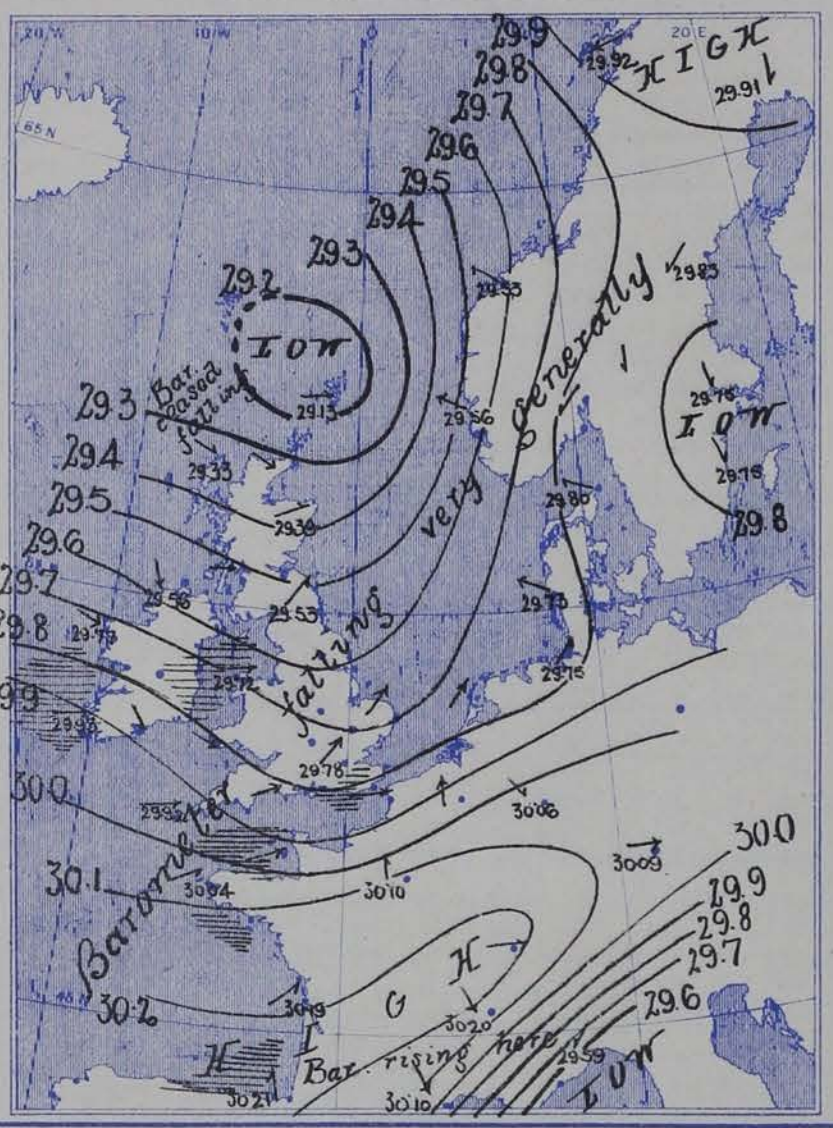
BAROMETER, WIND AND SEA.

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

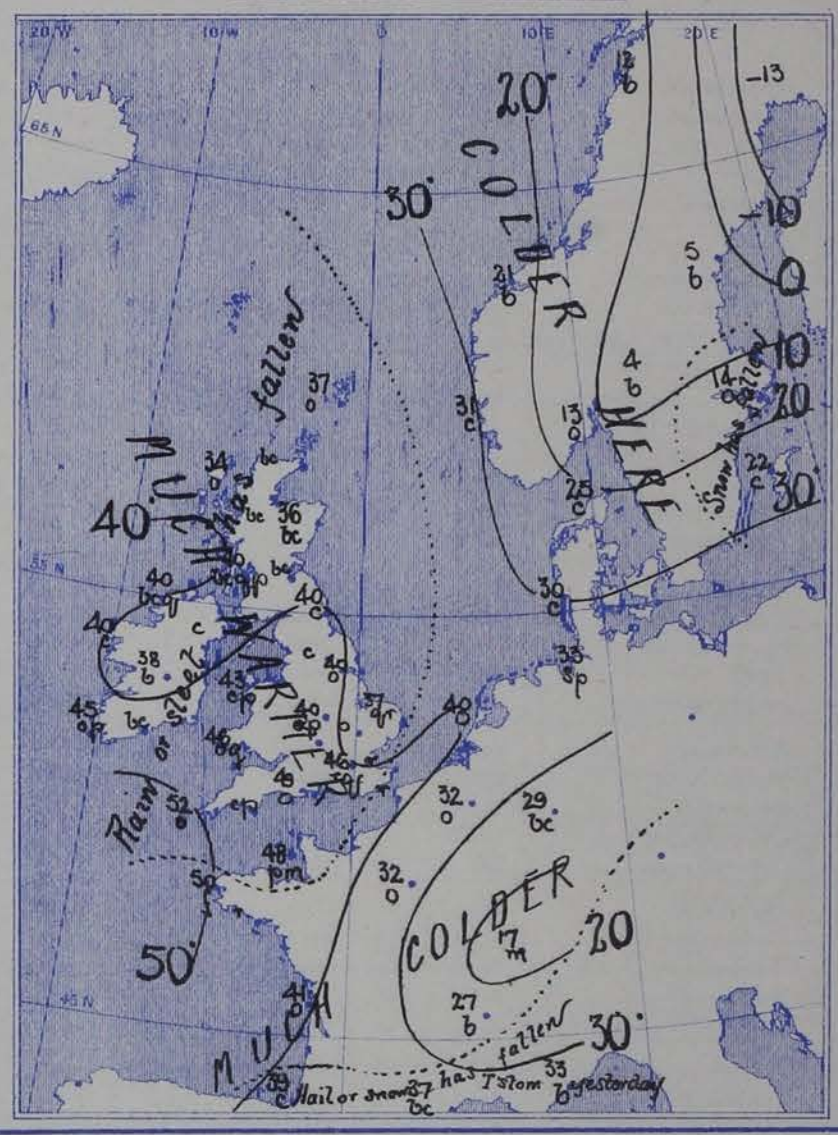


TEMPERATURE & WEATHER.

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 FEBRUARY.*

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 · 772	38 · 6	37 · 2	42 · 2	34 · 4	51	1887, 91	17	1895	3 · 11	—	—
Stornoway	29 · 775	38 · 9	38 · 0	43 · 6	34 · 2	55	1891	12	1892	3 · 80	63 · 6	25
Wick	29 · 800	37 · 7	36 · 4	42 · 9	32 · 9	59	1878	2	1895	2 · 16	—	—
Nairn	29 · 815	36 · 7	35 · 1	43 · 4	32 · 5	64	1891	0	1895	1 · 65	—	—
Aberdeen	29 · 853	36 · 9	35 · 2	43 · 1	33 · 3	59	1878, 83	6	1895	2 · 26	73 · 4	28
Leith	29 · 873	38 · 1	36 · 7	45 · 5	33 · 9	59	1882	12	1895	1 · 51	—	—
Shields	29 · 908	38 · 3	36 · 9	43 · 9	34 · 4	59	1887	7	1895	1 · 50	—	—
Spurn Head	29 · 938	38 · 1	37 · 2	42 · 2	35 · 4	57*	1891	20*	1895	1 · 32	—	—
York	29 · 945	37 · 0	36 · 0	44 · 4	33 · 2	59	1872, 78	3	1895	1 · 68	60 · 0	22
Loughborough	29 · 972	36 · 7	35 · 5	45 · 2	33 · 0	64*	1891	−5*	1895	1 · 71	—	—
Ardrossan	29 · 880	39 · 2	38 · 0	44 · 4	35 · 9	56	1891	13	1895	2 · 93	—	—
Malin Head	29 · 844	41 · 0	39 · 5	45 · 5	38 · 3	—	—	—	—	—	—	—
Belmullet	29 · 870	42 · 3	40 · 7	47 · 2	38 · 8	—	—	—	—	4 · 20	—	—
Donaghadee	29 · 894	40 · 0	39 · 1	45 · 5	36 · 6	56	1894	16	1895	2 · 34	—	—
Holyhead	29 · 923	41 · 1	39 · 8	45 · 4	38 · 3	59	1891	17	1895	2 · 42	—	—
Liverpool	29 · 943	38 · 5	37 · 0	44 · 3	35 · 7	62	1878	12	1895	1 · 68	—	—
Parsonstown	29 · 915	39 · 1	37 · 8	46 · 8	35 · 1	59	1891	6	1895	2 · 16	68 · 0	25
Valencia	29 · 917	44 · 3	42 · 6	49 · 5	40 · 3	58	1891	22	1895	4 · 89	72 · 9	27
Roche's Point	29 · 927	43 · 0	41 · 4	48 · 2	39 · 4	56	1877, 89	25	1895	4 · 19	—	—
Pembroke	29 · 948	41 · 8	40 · 5	45 · 3	39 · 0	52	1877, 91	23	1895	2 · 62	79 · 9	29
Scilly	29 · 964	45 · 7	44 · 1	48 · 6	42 · 4	56	1877	27	1895	2 · 62	—	—
Prawle Point	29 · 996	41 · 2	40 · 2	46 · 6	37 · 8	57*	1891	21*	1888, 92, 95	1 · 94	—	—
Jersey	30 · 016	42 · 0	40 · 6	46 · 8	38 · 8	62	1891	18	1895	2 · 41	95 · 0	34
Hurst Castle	29 · 996	39 · 8	38 · 8	45 · 4	36 · 3	60	1877	17	1895	2 · 10	—	—
Dover	29 · 990	38 · 8	37 · 7	44 · 2	35 · 5	56	1882	11	1889	1 · 81	—	—
LONDON	29 · 996	38 · 1	36 · 8	45 · 5	34 · 5	62	1876, 91	10	1895	1 · 64	33 · 0†	12†
Oxford	29 · 994	37 · 3	36 · 1	44 · 9	34 · 2	64	1891	7	1895	1 · 76	66 · 3	24
Cambridge	29 · 987	36 · 7	35 · 7	45 · 5	32 · 1	67	1891	6	1895	1 · 42	70 · 5	26
Yarmouth	29 · 967	37 · 8	36 · 9	42 · 3	34 · 0	58	1872	15	1895	1 · 73	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest (1) 30.3 ins. and more to 30.2 ins. over Spain, the southwestern and central parts of France, (2) 29.9 ins. and more over Lapland.
Lowest (1) Below 29.8 ins. over the eastern parts of the Baltic and the Gulf of Finland, (2) Below 29.2 ins. in a well marked depression over the Shetland Islands.
Gradients moderate for W.ly and NW.ly winds over our Islands, steep for SE.ly winds over Norway.
Barometer fallen fast again over the United Kingdom, – most in the N., risen rapidly over France, and considerably over Sweden and the Baltic.

TEMPERATURE

Highest 52° at Scilly, 50° at Brest, Lorient and Lisbon, 49° at Pranle Pt., 48° at Jersey.
Lowest (1) –13° F. at Haparanda, +4° at Karlstad, 5° at Hernisand, 12° at Bodo; (2) 17° at Belfort, 21° at Munich, 27° at Lyons, 29° at Wiesbaden; (3) 34° to 36° at the Scotch stations.
A decided rise has taken place over England, and a fall over France, but the changes were by no means of a permanent kind.

WIND

Anticyclonic over Spain and central France; Cyclonic from between SW. and NW. over the British Islands – strong at the western stations – SE.ly to E.ly on the eastern shores of the North Sea, and on the coast of Norway.
It has blown strongly in several parts of Scotland and Ireland and the southeast of England, and was blowing hard at Liverpool at the time of observation.

WEATHER

Very changeable generally. Rain had fallen, more or less, over all parts of the United Kingdom – but not in large quantities, and wet snow at many of the Scotch stations.
A separate fall of rain, hail and snow has occurred over the S. of France, and a thunderstorm has occurred at Nice.
Bright Sunshine recorded yesterday ranged from 0.5 hr. at Parsonstown to 7 hrs. at Southport.

SEA

High on our NW. coasts, very rough in the English Channel, moderate to slight in the N. and E.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 7TH FEBRUARY 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 4 pm. yesterday to districts 0, 1, 6, 7, 9 and 10. Hoist North Cone.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.66	32	30	ENE	4	c	2
Sumburgh Head	29.79	33	31	NNE	2	bc	4
Stornoway	29.85	37	34	WNW	3	o	3
Aberdeen	29.88	34	32	WNW	4	bcq	3
Shields	29.91	37	34	WNW	2	bc	4
Ardrossan	29.95	42	39	NNW	1	b	0
Malin Head ...	29.94	42	40	SSW	1	c	2
Belmullet	29.98	47	45	WSW	2	o	*
Holyhead	30.02	42	38	NW	2	chp	2
Valencia	30.12	49	46	WSW	4	cg	5
Scilly	30.11	46	42	NNW	4	c	4
Jersey	30.03	44	38	NW	4	bc	3
Hurst Castle ...	29.97	43	38	N	4	b	3
Dungeness ...	29.84	40	37	WNW	4	bc	3
North Foreland	29.90	39	36	WNW	5	bc	4
London (Westminster)	29.92	40	35	NNW	3	bc	*
Yarmouth	29.83	38	36	NW	4	c	4
Rochefort ...	30.02	45	40	NNE	5	b	*

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

Weather in morning fine and bright over nearly the whole of the British Islands and the W.ⁿ half of France, as well as on the Norwegian coast and over the North Sea; very unsettled over the Baltic, rather so over central Europe, and much disturbed over the Mediterranean and N. of Italy. Breaking into a rainy unsettled condition over the British Islands later, and considerable quantities of rain and snow falling over central and southern Europe; thunder, lightning and hail reported from Nice.

Temperature changing very fitfully and considerably – a decided fall shown over the British Islands, northern and western Europe generally, but a rise over Algeria. Morning readings highest 61° to 60° on the Algerian coast, 53° at Lisbon, 48° at Scilly and Valencia (Ireland). Lowest −15° F. at Haparanda, +4° at Kropia, 12° at Karlstad, 20° at S.ᵗ Petersburg, and 26° to 33° over central Europe; 24° at Wick, 29° at Loughborough, 31° at Oxford. Rising again in Ireland during the day, and over Gt. Britain at night.

Wind (1) N.ˡʸ over the British Islands, France and Spain, moderate to fresh in force, NE.ˡʸ to N.ˡʸ over northern Europe and blowing hard at Kropin and Wisby; (2) A well-marked cyclonic system prevalent over the northern parts of the Mediterranean and of Italy (a gale at Sanguinaire) and a complex circulation of light winds over central Europe. Wind backing to SW. again later on our western coasts, and blowing strongly.

Barometer at 8 am. Highest (1) 30.4 ins. over the Azores, and exceeding 30.1 ins. over the western half of the Iberian peninsula and the SW. of Ireland; (2) 29.8 ins. and more over Lapland and the Kola peninsula. Lowest – below 29.1 ins. in two depressions – one over Poland, the other over the N.ʷ parts of the Mediterranean and Italy, and below 29.2 ins. over Germany and Austria Hungary generally. Falling fast again later over Ireland and the W. of Scotland, rising fast over France and central 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 Monday 7th February, 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 ...	29.97	−14	N	3	b	30.02	+ .11	−8	−9	+ 5	N	2	bc	#	b	#	−8	−18	—
	Hernösand ...	29.83	10	NE	4	s	29.85	+ .02	9	8	+ 4	N	4	s	#	s	#	10	1	0.04
	Stockholm ...	29.79	16	E	0	c	29.72	− .03	15	14	+ 1	NE	2	c	#	c	#	18	12	—
	Wisby	29.81	22	SSW	4	c	29.61	− .14	27	27	+ 5	SSE	4	s	#	c	#	27	18	—
	Karlstad ...	29.95	13	NE	2	c	29.88	− .27	16	15	+ 12	ENE	2	s	#	c	#	#	#	—
	Bodö	29.79	12	E	6	b	29.78	− .14	12	10	0	? E	6	b	1	b	#	16	9	—
	Christiansund ...	29.29	28	ESE	3	c	29.34	− .19	29	28	+ 8	SE	3	c	4	c	#	29	21	—
	Skudesnaes ...	29.31	32	ESE	8	s	29.36	− .20	30	30	− 1	ESE	5	o	4	s	#	32	23	#
	Færder (Christiania Fjord)	29.61	29	E	5	s	29.47	− .38	20	20	+ 7	NE	6	s	3	s	#	23	12	—
	Skagen (The Scaw)	29.49	30	SSE	7	s	29.32	− .48	32	31	+ 7	E	1	s	0	s	#	32	23	0.12
	Fanö	?	36	W	3	c	29.43	− .30	36	34	+ 5	W	4	c	#	c	#	39	30	0.20
	Sumburgh Head	29.16	37	W	3	bc	29.31	+ .18	34	32	− 3	NW	1	c	3	bc	#	40	30	0.03
	Stornoway ...	29.28	35	WNW	4	o	29.61	+ .18	36	34	+ 2	N	3	o	3	r2g.o	1.6	37	32	0.40
	Wick	29.23	32	NW	4	bc	29.37	+ .15	34	34	− 1	NW	4	sw	2	bc	#	37	30	0.08
	Nairn	29.38	32	NW	2	o	29.47	+ .11	33	32	− 3	NW	2	o	2	o,s	#	38	28	0.24
	Aberdeen ...	29.37	33	WSW	3	b	29.46	+ .07	33	31	− 3	W	4	bq	2	b	7.6	42	30	—
British Islands.	Leith	29.46	34	W	2	bc	29.55	+ .07	33	32	− 5	W	3	c	#	Hshp,bc	#	45	31	0.01
	Shields	29.55	37	WSW	4	b	29.56	+ .03	34	33	− 6	W	3	bc	2	rsp,b	#	45	32	—
	Spurn Head ...	29.60	39	WSW	4	bc	29.58	.00	38	36	− 2	W	4	c	4	bc	#	44	35	—
	York	29.62	39	W	3	bc	29.62	+ .03	36	34	− 5	W	1	b	#	bc,sp	4.4	45	33	0.05
	Loughborough ...	29.72	39	WSW	2	bc	29.71	+ .03	36	35	− 4	W	4	oqqp3	#	c,bcq	#	46	33	—
	Ardrossan ...	29.51	36	W	5	cqrsp	29.63	+ .11	39	38	− 1	NW	5	cqrsp	4	cqrsp	#	42	34	0.21
	Malin Head ...	29.54	38	WNW	6	chq	29.68	+ .12	42	41	+ 2	NNW	7	c	7	chq	#	42	39	0.06
	Belmullet ...	29.79	38	WNW	5	cqrsp	29.95	+ .18	43	40	+ 3	N	5	bc	#	cqrsp	#	44	35	0.20
	Donaghadee ...	29.62	36	WNW	6	bcsp	29.70	+ .06	34	34	− 5	WNW	5	bc	3	bcps	#	43	33	0.10
	Liverpool (Bidston)	29.69	38	W	6	o	29.68	+ .04	40	37	− 3	W	8	bc	6	oq,hr	#	45	34	0.15
	Holyhead ...	29.72	41	W	6	chpq	29.78	+ .06	40	38	− 3	WNW	7	cp	6	cqshp	#	45	38	0.05
	Parsonstown ...	29.83	36	NW	1	b	29.95	+ .15	39	37	+ 1	W	2	cr	#	b,p	4.9	43	35	0.06
	Valencia ...	29.98	42	W	7	ohpq	30.09	+ .16	46	42	+ 1	WNW	6	ohpq	6	ohpq	2.1	50	41	0.12
	Roche's Point ..	29.90	43	WNW	4	b	30.03	+ .14	43	42	− 2	NW	4	bcp	4	b	#	45	40	0.04
	Pembroke (St. Ann's Hd.)	29.87	45	NW	6	c	29.94	+ .13	45	42	− 1	NW	6	bc	5	c	2.2	46	40	—
	Scilly	29.96	48	W	6	cp	30.05	+ .13	47	43	− 5	WNW	6	cq	4	cp	0.6	52	42	0.16
	Prawle Point ...	29.92	42	WNW	4	bc	30.00	+ .14	39	38	− 10	WNW	4	bcp	4	bc,p	#	?58	37	0.03
	Jersey (St. Aubin's)	29.93	49	WNW	4	c	30.01	+ .05	46	43	− 2	WNW	4	cp	3	drm.cqr	#	?52	42	0.18
	Hurst Castle ...	29.86	44	W	4	c	29.88	+ .08	42	39	− 7	W	5	b	4	p.c	#	50	40	—
	Dungeness ...	29.76	39	W	4	o	29.79	− .01	39	37	− 4	W	5	bc	4	o	#	48	37	0.11
	North Foreland	29.75	44	WSW	3	o	29.77	− .04	36	34	− 2	SW	4	bc	3	r.o	#	47	34	0.15
	London (Brixton) ...	29.77	43	WNW	2	b	29.80	+ .02	35	34	− 11	WSW	2	b	#	ohbc,b	0.0	47	34	0.12
	Oxford	29.81	39	WSW	3	o	29.82	+ .00	36	34	− 8	WSW	2	bc	#	p.o.c	#	47	34	0.02
	Cambridge ...	29.75	39	WSW	1	b	29.72	+ .01	36	35	− 3	WSW	4	bc	#	b	0.6	47	34	0.02
	Yarmouth ...	29.63	42	W	4	c	29.64	− .02	36	34	− 1	W	4	bc	3	c	#	45	32	0.03
Germany & Holland.	Cuxhaven ...	29.54	32	SW	5	s	29.51	− .24	34	34	+ 1	SW	3	s	#	s	#	36	32	0.35
	Berlin	29.82	31	SW	4	o	29.65		34	33		SW	2	s	#	o	#	36	28	0.12
	Wiesbaden ...	#	#	#	#	#	29.87	− .25	35	35	+ 6	SW	2	o	#	#	#	36	29	0.39
	Munich	30.05	19	SSE	3	b	29.90	− .19	33	33	+ 12	SW	3	o	#	b	#	33	19	0.24
	The Helder ...	29.59	42	W	3	bc	29.58	− .17	40	37	0	W	4	c	3	bc	#	43	37	0.16
France & Belgium.	Brussels ...	#	#	#	#	#	?29.82	− .15	34	33	+ 1	SW	3	b	#	o	#	37	32	0.24
	Cape Gris Nez ...	29.70	44	WSW	5	o	29.76	− .06	42	38	+ 1	WNW	6	bc	6	o	#	48	37	—
	Paris	29.89	39	SW	4	r	29.96	− .14	36	36	+ 4	SW	2	bc	#	r	#	42	32	0.20
	Brest	30.05	49	NW	5	r	30.11	+ .07	46	45	− 4	NW	4	c	4	r	#	54	41	0.20
	Lorient	30.01	52	W	6	r	30.13	+ .03	45	44	− 5	NW	4	b	5	r	#	54	43	0.08
	Rochefort ...	30.13	50	WSW	5	r	30.18	− .01	46	45	+ 5	NW	3	c	#	r	#	50	41	0.20
	Belfort	30.09	32	SW	6	o	29.97	− .26	32	32	+ 15	SW	4	f	#	o	#	37	17	0.08
	Lyons	30.23	35	SE	1	o	30.12	− .08	32	31	+ 5	S	1	o	#	o,s	#	41	27	0.04
	Nice	30.10	41	2	o	b	30.04	+ .45	37	30	+ 4	NNW	1	c	2	b	#	50	33	—
	Perpignan ...	30.22	46	NW	3	bc	30.11	+ .01	51	45	+ 14	NW	3	o	#	bc	#	51	37	—
	Biarritz ...	30.25	49	SW	4	r	30.19	− .02	51	?	+ 12	N	5	r	4	r	#	?	?	0.24
Peninsula.	Gorunna ...																#			
	Lisbon	30.38	52	N	4	bc	30.38	+ .02	48	47	− 2	ESE	2	f	#	bc	#	59	48	—
	Azores (P. Delgada)	30.30	69	E	1	o	30.25	− .03	58	57	0	NE	2	o	3	o	#	64	57	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 4.0 hrs;

WEATHER CHARTS

FOR MONDAY, 7TH FEBRUARY, 1898

BAROMETER, WIND AND SEA.

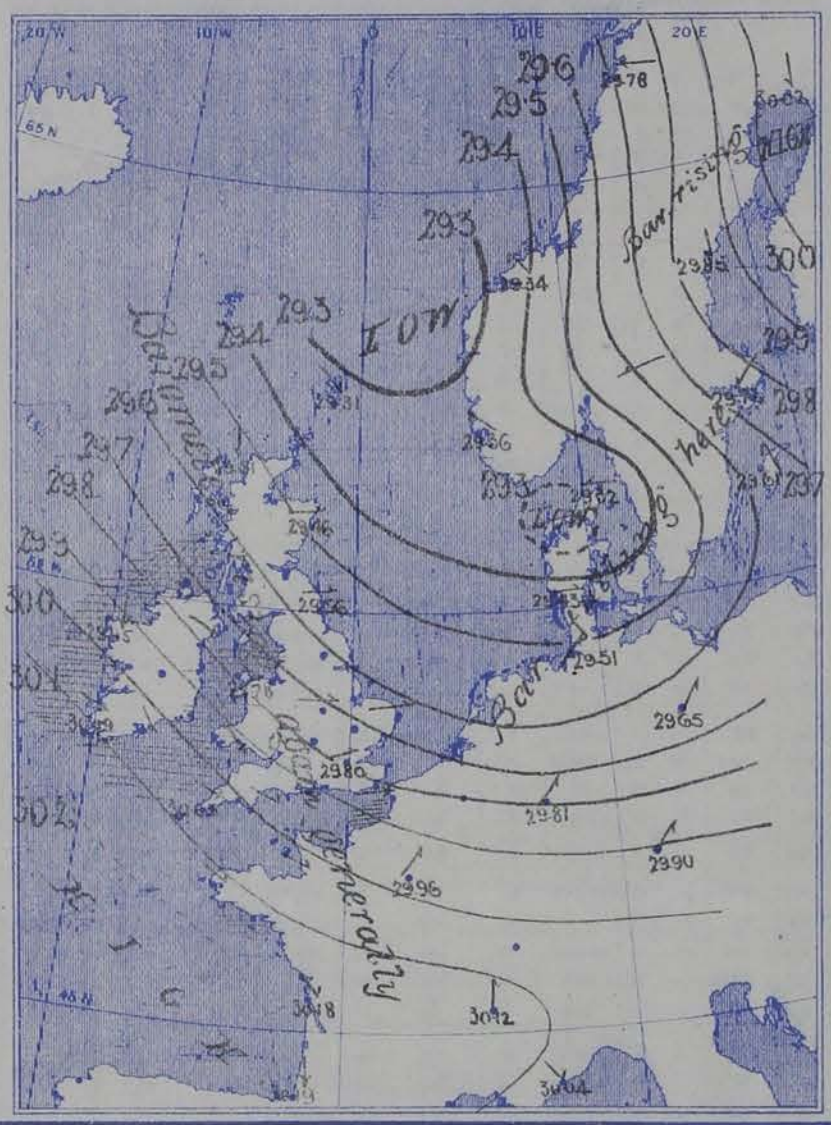
BAROMETER—Isobars are drawn for each tenth of an inch.

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 FEBRUARY.*

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 · 772	38 · 6	37 · 2	42 · 2	34 · 4	51	1887, 91	17	1895	3 · 11	—	—
Stornoway	29 · 775	38 · 9	38 · 0	43 · 6	34 · 2	55	1891	12	1892	3 · 80	63 · 6	25
Wick	29 · 800	37 · 7	36 · 4	42 · 9	32 · 9	59	1878	2	1895	2 · 16	—	—
Nairn	29 · 815	36 · 7	35 · 1	43 · 4	32 · 5	64	1891	0	1895	1 · 65	—	—
Aberdeen	29 · 853	36 · 9	35 · 2	43 · 1	33 · 3	59	1878, 83	6	1895	2 · 26	73 · 4	28
Leith	29 · 873	38 · 1	36 · 7	45 · 5	33 · 9	59	1882	12	1895	1 · 51	—	—
Shields	29 · 908	38 · 3	36 · 9	43 · 9	34 · 4	59	1887	7	1895	1 · 50	—	—
Spurn Head	29 · 938	38 · 1	37 · 2	42 · 2	35 · 4	57*	1891	20*	1895	1 · 32	—	—
York	29 · 945	37 · 0	36 · 0	44 · 4	33 · 2	59	1872, 78	3	1895	1 · 68	60 · 0	22
Loughborough	29 · 972	36 · 7	35 · 5	45 · 2	33 · 0	64*	1891	—5*	1895	1 · 71	—	—
Ardrossan	29 · 880	39 · 2	38 · 0	44 · 4	35 · 9	56	1891	13	1895	2 · 93	—	—
Malin Head	29 · 844	41 · 0	39 · 5	45 · 5	38 · 3	—	—	—	—	—	—	—
Belmullet	29 · 870	42 · 3	40 · 7	47 · 2	38 · 8	—	—	—	—	4 · 20	—	—
Donaghadee	29 · 894	40 · 0	39 · 1	45 · 5	36 · 6	56	1894	16	1895	2 · 34	—	—
Holyhead	29 · 923	41 · 1	39 · 8	45 · 4	38 · 3	59	1891	17	1895	2 · 42	—	—
Liverpool	29 · 943	38 · 5	37 · 0	44 · 3	35 · 7	62	1878	12	1895	1 · 68	—	—
Parsonstown	29 · 915	39 · 1	37 · 8	46 · 8	35 · 1	59	1891	6	1895	2 · 16	68 · 0	25
Valencia	29 · 917	44 · 3	42 · 6	49 · 5	40 · 3	58	1891	22	1895	4 · 89	72 · 9	27
Roche's Point	29 · 927	43 · 0	41 · 4	48 · 2	39 · 4	56	1877, 89	25	1895	4 · 19	—	—
Pembroke	29 · 948	41 · 8	40 · 5	45 · 3	39 · 0	52	1877, 91	23	1895	2 · 62	79 · 9	29
Scilly	29 · 964	45 · 7	44 · 1	48 · 6	42 · 4	56	1877	27	1895	2 · 62	—	—
Prawle Point	29 · 996	41 · 2	40 · 2	46 · 6	37 · 8	57*	1891	21*	1888, 92, 95	1 · 94	—	—
Jersey	30 · 016	42 · 0	40 · 6	46 · 8	38 · 8	62	1891	18	1895	2 · 41	95 · 0	34
Hurst Castle	29 · 996	39 · 8	38 · 8	45 · 4	36 · 3	60	1877	17	1895	2 · 10	—	—
Dover	29 · 990	38 · 8	37 · 7	44 · 2	35 · 5	56	1882	11	1889	1 · 81	—	—
LONDON	29 996	38 · 1	36 · 8	45 · 5	34 · 5	62	1876, 91	10	1895	1 · 64	33 · 0†	12†
Oxford	29 · 994	37 · 3	36 · 1	44 · 9	34 · 2	64	1891	7	1895	1 · 76	66 · 3	24
Cambridge	29 · 987	36 · 7	35 · 7	45 · 5	32 · 1	67	1891	6	1895	1 · 42	70 · 5	26
Yarmouth	29 . 967	37 · 8	36 · 9	42 · 3	34 · 0	58	1872	15	1895	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, the south and west of France, and the extreme southwestern parts of our Islands.
Lowest Below 29.3 ins. in a complex depression, covering Denmark, the west of Norway, and northern parts of the North Sea.
Gradients, moderate to rather steep, for W^{ly}. and NW^{ly}. winds.
Barometer rising over our Islands – most in the northwest, falling over the North Sea.

TEMPERATURE

Highest 51° at Biarritz, 47° at Scilly, 46° at Valencia (Ireland).
Lowest (1) – 8° F. at Haparanda, + 9° at Hernösand, and 12° at Bodö; (2) 33° at Nairn and Leith, 34° at Shields, 36° at Oxford and Paris.
It touched 53° to 50° on our extreme SW. coasts yesterday and 47° to 45° inland, but fell fast at night, frost prevailing on the grass over our inland counties generally towards morning.

WIND

NW^{ly}. strong to a gale on our western coasts, W^{ly}. moderate to fresh in the east and south, SW^{ly}. over Germany and the east of France, SE^{ly}. to E^{ly}. in Norway.
Gales of considerable force have again been felt on various parts of our northwestern coasts, and strong breezes in many other places.

WEATHER

Changeable, squally and showery in the NW, W and SW, fair in the E. and over France; over Germany, however, and many parts of Scandinavia snow was falling.
Cold showers have fallen at almost all of the stations both in our Islands and NW^{rn}. Europe; thunder and lightning have occurred at Leith. Bright Sunshine recorded yesterday amounted to 7.6 hrs. at Aberdeen, 4.9 hrs at Parsonstown, 4 hrs. at Southport; at the S^{rn}. stations there was very little.

SEA

High or very rough on our NW^{rn}. coasts, moderate off Dover, rough on the French side of the Channel.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A continuation of cold unsettled weather is probable throughout our Islands, with cold showers and bright intervals. Frost is again probable at night.

FORECASTS

For the 24 hours ending at NOON on 8TH FEBRUARY 1898

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NW^{ly} winds, strong; sleet or cold rain showers; bright intervals.	6 SCOTLAND WEST	NW^{ly} winds, strong, a gale in some places; cold, showery to fair.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.	W^{ly} to NW^{ly} winds, moderate to fresh; some cold showers; very cold tonight.	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 0, 1, 6, 7, 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 ...	29.36	32	31	ESE	8	o	5
Sumburgh Head							
Stornoway	29.30	37	35	NW	5	srhq	? 5
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29.35	39	38	WNW	7	chq	5
Belmullet	29.71	40	38	WNW	6	cqrsp	*
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia							
Scilly							
Jersey	29.92	50	49	W	4	orw	4
Hurst Castle ...							
Dungeness ...	29.71	45	44	NW	4	o	4
North Foreland	29.70	45	44	SW	4	r	3
London (Westminster)							*
Yarmouth							
Rochefort ...	30.10	48	46	SW	5	o	*

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

Continental information not yet received.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 30TH JAN. TO 5TH FEB. 1898.

January closed with a continuation of the fair weather which had been the prevailing feature of the month. With the commencement of February, however, an important change commenced. The Continental anticyclone began to move southward and southwestward, depressions of great intensity began to advance over Scandinavia from the W.N.W., while their secondaries affected the northern parts of our Islands, and very mild S.W. and W. breezes were felt in these regions and N.W. Europe generally.

On Wednesday and Thursday deep depressions appeared over the northern parts of our area, where the barometer fell to below 28.6 ins. and as these disturbances moved southeastwards over the countries lying to the eastward of the North Sea severe gales from the N.W. spread over the British Islands, accompanied by squalls of cold rain, hail, sleet and snow, and high seas were reported on all exposed parts of our coasts – particularly in the northwest.

In the rear of these disturbances there was a temporary clearance of the sky – as the barometer rose and the wind lulled – but on Saturday afternoon there were strong indications of the advance of another series of disturbances to our northern districts from the Atlantic.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Tuesday 8th February, 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 ... †	30·12	−14	↙	0	b	30·21	+·19	−24	−24	−16	N	2	b	*	b	*	−6	−24	—
	Hernösand ... †	29·94	9	NE	4	s	30·00	+·15	6	6	−3	NE	2	o	*	s	*	10	5	0·12
	Stockholm ... †	29·65	28	ENE	4	s	29·73	+·01	27	26	+12	E	6	s	*	s	*	28	12	0·24
	Wisby ... ... †	29·86	32	SSE	4	s	29·62	+·01	33	32	+6	W	4	o	*	s	*	33	12	0·12
	Karlstad ... †	29·57	23	NE	2	s	29·69	+·11	26	25	+10	NNE	2	s	*	s	*	*	*	0·28
	Bodö	29·80	12	E	6	b	?29·71	−·07	18	17	+6	?ESE	6	b	1	b	*	23	12	—
	Christiansund ...	29·52	28	SE	2	o	29·54	+·20	32	30	+3	ESE	4	c	4	o	*	32	28	—
	Skudesnaes ...	29·60	33	SE	4	o	29·59	+·23	32	31	+2	SE	6	o	4	o	*	34	28	*
	Færder (Christiania Fjord)	29·58	23	N	6	s	29·69	+·22	26	24	+6	N	5	o	2	s	*	26	19	0·39
	Skagen (The Scaw)	29·57	27	N	5	o	29·67	+·35	30	29	−2	N	3	o	0	o	*	32	25	—
	Fanö	29·58	33	↙	0	o	29·72	+·29	27	27	−8	SE	1	c	*	o	*	39	27	—
	Sumburgh Head	29·43	37	W	2	o	29·47	+·16	38	37	+4	W	2	o	3	c, o	*	40	31	0·18
	Stornoway ...	29·65	38	NW	4	o	29·70	+·19	38	37	+2	NW	4	o	4	bc, o	5·0	40	34	0·25
	Wick	29·57	35	NW	4	o	29·56	+·19	36	35	+2	NW	4	cw	2	o	*	38	33	0·07
	Nairn	29·68	37	W	3	c	29·70	+·23	38	37	+5	NW	1	c	1	c	*	39	32	0·13
	Aberdeen ...	29·66	36	W	5	bcq	29·70	+·24	38	35	+5	W	3	b	2	cq, bcq	7·9	39	33	—
	Leith	29·78	37	W	3	bc	29·77	+·22	39	37	+6	SW	2	b	*	bc	*	45	31	0·01
	Shields	29·81	36	W	3	b	29·81	+·25	40	39	+6	W	3	c	2	b	*	42	33	—
	Spurn Head ...	29·81	39	WNW	5	b	29·87	+·29	40	39	+2	W	4	bw	4	b	*	41	36	—
	York	29·89	37	W	2	b	29·90	+·28	42	40	+6	W	1	c	*	b	7·4	42	34	—
	Loughborough ...	29·92	36	WNW	2	b	30·00	+·29	39	38	+3	W	4	cpqw	*	psq, bc	*	42	33	0·24
British Islands	Ardrossan ...	29·82	41	NW	4	opq	29·87	+·24	42	42	+3	NW	5	cpq	3	b, cpq	*	43	36	0·15
	Malin Head ...	29·88	43	WNW	6	chq	29·93	+·25	43	42	+1	WNW	5	bcp	4	chq	*	44	39	0·10
	Belmullet ...	30·07	45	WNW	4	r	30·18	+·23	46	43	+3	NW	4	c	*	rq	*	46	40	0·12
	Donaghadee ...	29·94	39	WNW	4	bc	29·93	+·23	41	40	+7	W	4	bc	2	bc	*	44	33	0·04
	Liverpool (Bidston)	29·95	39	WNW	5	p	29·96	+·28	44	41	+4	W	7	c	5	p	*	44	38	0·02
	Holyhead ...	30·00	43	NW	5	bc	30·03	+·25	44	42	+4	W	6	c	4	c, bc	*	44	38	—
	Parsonstown ...	30·09	42	NW	1	r	30·14	+·19	42	40	+3	W	1	o	*	b, p	6·4	47	37	—
	Valencia ...	30·20	45	W	4	opq	30·24	+·15	47	43	+1	WNW	5	bcp	5	cpq	4·2	49	44	0·09
	Roche's Point ..	30·13	45	NW	4	b	30·21	+·18	43	41	0	WNW	3	bc	3	rq, b	*	45	40	0·02
	Pembroke (St. Ann's Hd.)	30·08	46	NW	6	bc	30·13	+·19	46	44	+1	NW	5	b	4	bc	5·7	46	41	
	Scilly	30·15	48	NW	4	cp	30·21	+·16	48	44	+1	NW	4	c	4	cp	6·1	49	43	0·03
	Prawle Point ...	30·13	41	NW	3	bc	30·20	+·20	40	39	+1	NW	3	bp	3	bpq	*	50	37	0·03
	Jersey (St. Aubin's)	30·11	46	NW	4	bc	30·20	+·19	44	42	−2	WNW	3	bcp	3	bc, p, bc	*	50	43	0·12
	Hurst Castle ...	30·04	41	WNW	2	b	30·11	+·23	41	40	−1	WNW	3	b	2	bc, b	*	49	39	—
	Dungeness ...	29·90	36	NW	4	cps	30·06	+·27	35	35	−4	W	3	c	2	cq, csp	*	46	31	0·05
	North Foreland	29·91	39	W	6	bq	30·04	+·27	37	36	+1	W	4	bchp	2	c, bq	*	42	34	0·02
	London (Brixton) ...	29·95	39	NW	2	b	30·06	+·26	35	34	0	W	2	b	*	ps, c, b	3·7	45	31	—
	Oxford	30·04	36	NW	3	b	30·08	+·26	38	36	+2	WSW	2	c	*	p, b	*	45	34	0·01
	Cambridge ...	29·92	37	NW	4	b	30·01	+·29	37	36	+1	WSW	3	b	*	hpq, b	4·4	44	32	0·02
	Yarmouth ...	29·81	37	WNW	3	b	29·92	+·28	36	35	0	W	3	b	3	bc, b	*	40	31	—
Germany & Holland	Cuxhaven ...	29·62	34	SW	2	c	29·77	+·26	36	36	+2	NW	2	osp	*	csp	*	37	32	0·16
	Berlin	29·72	34	SSW	3	c	29·82	+·17	34	33	0	SW	3	o	*	c	*	39	34	0·04
	Wiesbaden ...	*	*	*	*	*	30·04	+·23	36	34	+1	W	2	bc	*	*	*	41	34	0·08
	Munich	29·91	32	W	4	bc	30·05	+·15	30	29	−3	W	6	o	*	bc	*	37	28	0·04
	The Helder ...	29·72	39	NW	3	bc	29·85	+·27	42	40	+2	W	3	bc	2	bc	*	?	36	0·20
Belgium.	Brussels ...	*	*	*	*	*	30·06	+·24	33	32	−1	WSW	3	o	*	b	*	42	30	0·08
	Cape Gris Nez ...	29·88	40	NW	7	c	30·00	+·24	42	39	0	NW	4	o	4	c	*	48	32	0·04
	Paris	30·01	39	NNW	4	r	30·07	+·21	31	31	−5	SSW	2	b	*	r	*	49	30	0·16
	Brest	30·19	48	NW	4	c	30·26	+·15	47	43	+1	NW	4	c	4	c	*	50	41	0·08
	Lorient	30·20	47	NNW	5	c	30·24	+·11	46	46	+1	NW	4	bc	4	c	*	55	45	0·04
France &	Rochefort ...	30·23	48	NW	4	b	30·33	+·15	45	42	−1	WNW	2	o	*	b	*	50	41	—
	Belfort	29·96	34	SW	5	o	30·05	+·21	30	29	−2	SW	3	m	*	o	*	37	30	0·28
	Lyons	30·12	36	E	1	b	30·26	+·14	34	32	+2	NNW	1	o	*	sp, b	*	45	32	0·20
	Nice	29·84	48	↙	0	b	29·93	−·11	38	31	+1	↙	0	b	2	b	*	50	34	—
	Perpignan ...	30·17	48	NW	2	b	30·22	+·11	47	41	−4	NW	4	o	*	b	*	55	45	—
	Biarritz ...	30·25	50	NW	4	r	30·26	+·07	48	46	−3	? N	2	r	5	r	*	54	46	0·43
Peninsula.	Corunna ...																*			
	Lisbon	30·35	53	NNE	4	bc	30·33	−·05	50	48	+2	ENE	3	b	*	bc	*	61	48	—
	Azores (P. Delgada)	30·23	59	ESE	4	c	30·22	−·03	59	57	+1	ESE	3	c	3	c	*	61	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 5·0 hrs;

WEATHER CHARTS

FOR TUESDAY, 8TH FEBRUARY, 1898

BAROMETER, WIND AND SEA.

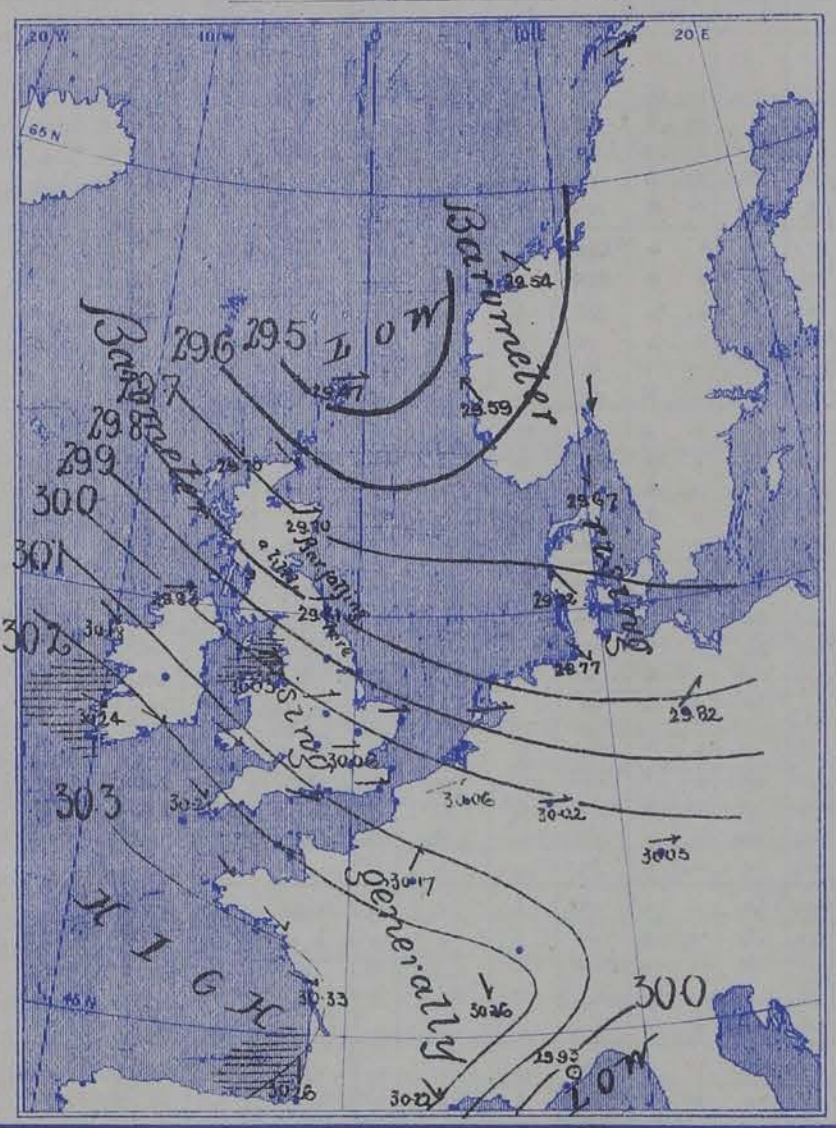
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▩

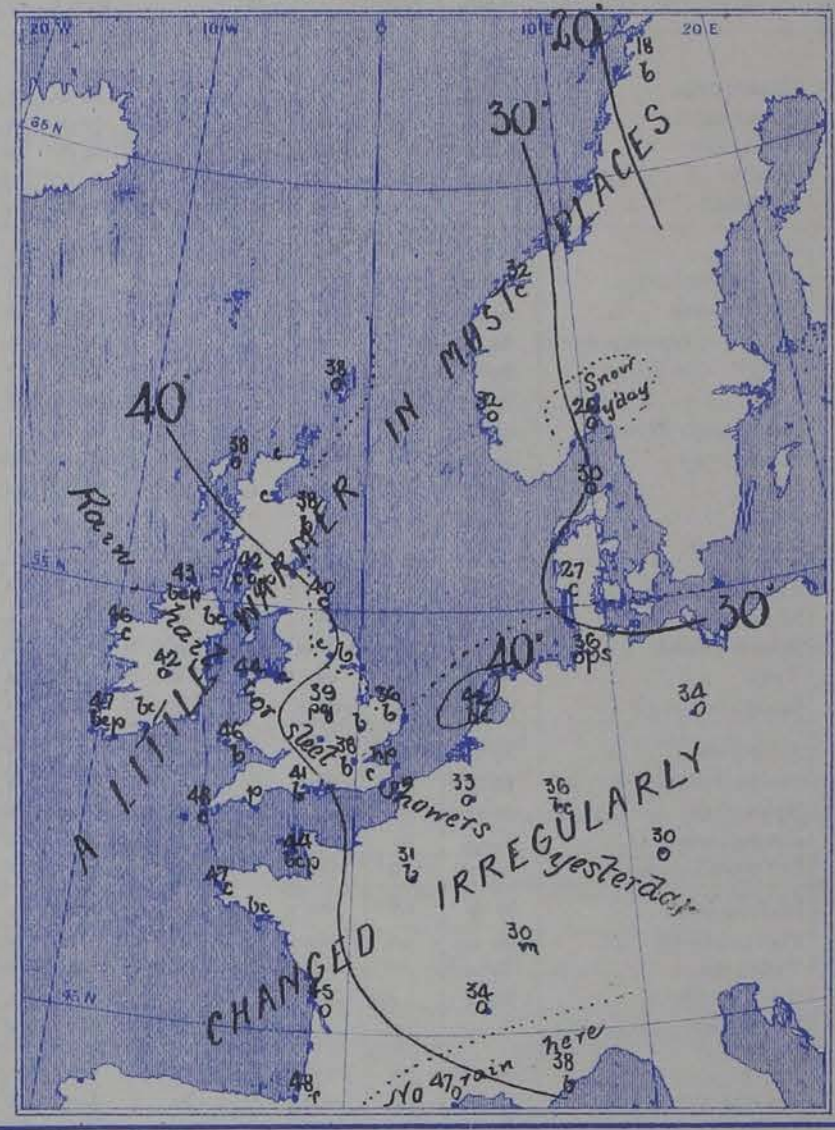


TEMPERATURE & WEATHER.

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 FEBRUARY.*

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 · 772	38 · 6	37 · 2	42 · 2	34 · 4	51	1887, 91	17	1895	3 · 11	—	—
Stornoway	29 · 775	38 · 9	38 · 0	43 · 6	34 · 2	55	1891	12	1892	3 · 80	63 · 6	25
Wick	29 · 800	37 · 7	36 · 4	42 · 9	32 · 9	59	1878	2	1895	2 · 16	—	—
Nairn	29 · 815	36 · 7	35 · 1	43 · 4	32 · 5	64	1891	0	1895	1 · 65	—	—
Aberdeen	29 · 853	36 · 9	35 · 2	43 · 1	33 · 3	59	1878, 83	6	1895	2 · 26	73 · 4	28
Leith	29 · 873	38 · 1	36 · 7	45 · 5	33 · 9	59	1882	12	1895	1 · 51	—	—
Shields	29 · 908	38 · 3	36 · 9	43 · 9	34 · 4	59	1887	7	1895	1 · 50	—	—
Spurn Head	29 · 938	38 · 1	37 · 2	42 · 2	35 · 4	57*	1891	20*	1895	1 · 32	—	—
York	29 · 945	37 · 0	36 · 0	44 · 4	33 · 2	59	1872, 78	3	1895	1 · 68	60 · 0	22
Loughborough	29 · 972	36 · 7	35 · 5	45 · 2	33 · 0	64*	1891	—5*	1895	1 · 71	—	—
Ardrossan	29 · 880	39 · 2	38 · 0	44 · 4	35 · 9	56	1891	13	1895	2 · 93	—	—
Malin Head	29 · 844	41 · 0	39 · 5	45 · 5	38 · 3	—	—	—	—	—	—	—
Belmullet	29 · 870	42 · 3	40 · 7	47 · 2	38 · 8	—	—	—	—	4 · 20	—	—
Donaghadee	29 · 894	40 · 0	39 · 1	45 · 5	36 · 6	56	1894	16	1895	2 · 34	—	—
Holyhead	29 · 923	41 · 1	39 · 8	45 · 4	38 · 3	59	1891	17	1895	2 · 42	—	—
Liverpool	29 · 943	38 · 5	37 · 0	44 · 3	35 · 7	62	1878	12	1895	1 · 68	—	—
Parsonstown	29 · 915	39 · 1	37 · 8	46 · 8	35 · 1	59	1891	6	1895	2 · 16	68 · 0	25
Valencia	29 · 917	44 · 3	42 · 6	49 · 5	40 · 3	58	1891	22	1895	4 · 89	72 · 9	27
Roche's Point	29 · 927	43 · 0	41 · 4	48 · 2	39 · 4	56	1877, 89	25	1895	4 · 19	—	—
Pembroke	29 · 948	41 · 8	40 · 5	45 · 3	39 · 0	52	1877, 91	23	1895	2 · 62	79 · 9	29
Scilly	29 · 964	45 · 7	44 · 1	48 · 6	42 · 4	56	1877	27	1895	2 · 62	—	—
Prawle Point	29 · 996	41 · 2	40 · 2	46 · 6	37 · 8	57*	1891	21*	1888, 92, 95	1 · 94	—	—
Jersey	30 · 016	42 · 0	40 · 6	46 · 8	38 · 8	62	1891	18	1895	2 · 41	95 · 0	34
Hurst Castle	29 · 996	39 · 8	38 · 8	45 · 4	36 · 3	60	1877	17	1895	2 · 10	—	—
Dover	29 · 990	38 · 8	37 · 7	44 · 2	35 · 5	56	1882	11	1889	1 · 81	—	—
LONDON	29 · 996	38 · 1	36 · 8	45 · 5	34 · 5	62	1876, 91	10	1895	1 · 84	33 · 0†	12†
Oxford	29 · 994	37 · 3	36 · 1	44 · 9	34 · 2	64	1891	7	1895	1 · 76	66 · 3	24
Cambridge	29 · 987	36 · 7	35 · 7	45 · 5	32 · 1	67	1891	6	1895	1 · 42	70 · 5	26
Yarmouth	29 · 967	37 · 8	36 · 9	42 · 3	34 · 0	58	1872	15	1895	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 inches and upwards in an anticyclone lying over the Bay of Biscay.
Lowest 29·5 inches and less in a shallow depression, with its centre to the northward of the Hebrides.
Gradients slight generally, but moderate over our extreme northeast coasts
Barometer rising generally, but inclined to fall a little on the east coasts of Great Britain

TEMPERATURE

Highest 48° at Scilly and Biarritz, 47° at Valencia (Ireland), Nice and Perpignan, and 46° at Balmullet, Pembroke and Lorient.
Lowest 18° at Bodo, 26° at Haparanda, 27° at Hanö, and 30° at Skagen, Ellenich and Belfort; lowest in our Islands 35° in London at Dungeness.
Frost occurred last night at many of our northern, eastern and southeastern stations; in London the thermometer fell to 31° in the screen and 27° on the grass

WIND

Light to fresh from the Westward or Northwestward over our Islands, the Netherlands and the greater part of France, but Southwesterly at some of the central French stations.
Easterly or Southeasterly in the east of Norway, Northerly in the Skager Rack.

WEATHER

Fair or fine over our Islands as a whole, but with showers in a few places.
Dull in the Shetlands, the Hebrides and the south of Norway, as well as in many parts of Germany and the south of France, with rain at Biarritz, and snow at Cuxhaven.
Rain, hail or snow fell yesterday in many parts of Western Europe, but the quantity was as a rule small.

SEA

Moderate or slight generally, but rather rough at Liverpool & Valencia (Ireland) as well as at Biarritz.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no indications of any very decided change in the weather. Small secondary depressions are likely to move southeastwards across our Islands, and showers are therefore probable in most districts.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW. to W. winds; fair at first, unsettled later, with some snow.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Same as No. 5.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	W. winds, moderate; fair generally, but a few cold showers in places.
6	SCOTLAND WEST	Same as Nos. 0 and 1.
7	ENGLAND N.W.	W. winds, strong; squally, some showers.
8	ENGLAND S.W.	W. and NW. winds, fresh changeable, some showers.
9	IRELAND NORTH	Same as No. 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 ...	29.49	34	32	ESE	4	c	3
Sumburgh Head	29.42	39	36	WNW	2	c	3
Stornoway	29.62	40	37	NW	4	bc	4
Aberdeen	29.61	39	34	WNW	6	bq	4
Shields	29.69	41	38	W	3	b	2
Ardrossan	29.79	41	41	NW	5	b	3
Malin Head ...	29.85	43	42	WNW	6	cho	5
Belmullet	30.05	45	42	NW	5	rq	*
Holyhead	29.92	44	41	NW	7	c	6
Valencia	30.17	49	44	NW	5	cq	6
Scilly	30.11	48	44	NW	5	cp	4
Jersey	30.05	50	46	W	4	bc	3
Hurst Castle ...	29.93	47	42	WNW	6	bc	4
Dungeness ...	29.80	45	40	WNW	6	cq	5
North Foreland	29.80	41	39	W	4	cq	5
London (Westminster)	29.83	45	39	W	5	bc	*
Yarmouth ...	29.70	40	37	NNW	4	bc	4
Rochefort ...	30.22	48	47	NNW	3	c	*

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

Weather is morning squally and showery in the western and extreme northern parts of our Islands, but fine in the East. Cloudy and unsettled over the greater part of the Continent, with rain at Biarritz, and snow in several parts of Denmark, Germany and the south of Scandinavia, as well as at St. Petersburg. Fine over Austria, Northern Italy and the central and southern parts of Russia. Showers of snow, hail or cold rain falling later over nearly the whole of Western Europe, but weather again improving over our eastern districts in evening.

Temperature fallen in our Islands and also over Russia, Austria and Northern Italy, rise elsewhere, — quickly over the southern part of France and Germany. Morning readings highest 57° at Malta, 52° at La Valle and 51° at Biarritz and Perpignan; above 45° on our own extreme southwest coasts. Lowest −13°7 at Kuopio, −11° at Uleaborg and −9° at Archangel; considerably below the freezing point over Northern and Eastern Europe generally, and very little above it at many of our own northern stations. Daily maxima below 45° in the north and east of our Islands, but ranging between 48° and 50° on our southern coasts, exceeding 50° in the east and south of France, and touching 55° at Lorient and Perpignan. Frost occurring over Great Britain at night

Wind strong to a gale from the Northeast on our western coasts, moderate from the west in the east of our Islands, the Netherlands and the North of Russia, Southwesterly over Germany and the east of France, Easterly or Southeasterly over Norway and the south of Sweden. Light from the Northward over Western Russia and the Gulf of Bothnia, and from the West over Central and Southern Russia; calm in Austria, variable in Italy, — Easterly over the Spanish Peninsula and strong in force at Madrid. Subsequently veering to the Northwest over France, the Netherlands and the southeast of England, no important change occurring elsewhere

Barometer highest 30.3 inches and upwards in an anticyclone over the Spanish Peninsula; 30.1 inches to 30.2 inches in another system over Southeastern Europe, 30.0 inches and less in a third over Lapland. Lowest 29.4 inches and less in a complex depression over the northern parts of Denmark and the North Sea, and the west of Norway; 29.8 inches and less in a shallow area over Central Russia, 29.9 inches and less in another shallow disturbance near Malta. Depression over North Sea partially filling up later, and barometer rising over Western Europe generally.

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 9th February, 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 ...	30·27	−21	N	2	b	30·40	+·19	−22	−23	+ 2	N	2	o	*	b	*	3	−29	—
	Hernösand ...	30·13	4	N	4	o	30·27	+·27	1	0	− 5	N	2	o	*	o	*	9	1	—
	Stockholm ...	29·97	17	NE	4	o	30·15	+·42	16	15	− 11	N	4	s	*	o	*	28	16	0·04
	Wisby	29·80	28	W	4	s	30·06	+·44	24	23	− 9	NE	4	s	*	s	*	34	24	—
	Karlstad ...	29·97	17	NE	2	o	30·20	+·51	5	5	− 21	N	2	c	*	o	*	*	*	—
	Bodö	29·81	11	ESE	7	c	29·93	−·17	12	9	− 6	E	7	b	2	c	*	18	9	—
	Christiansund ...	29·70	33	SSW	3	o	29·93	+·39	33	31	+ 1	SSW	1	b	4	o	*	34	25	—
	Skudesnaes ...	29·83	32	SE	4	s	30·08	+·49	33	32	+ 1	SSE	6	s	5	s	*	34	30	*
	Færder (Christiania Fjord)	29·89	27	E	3	o	30·19	+·50	21	19	− 5	ESE	2	c	1	o	*	27	21	—
	Skagen (The Scaw)	29·86	31	E	2	o	30·15	+·48	26	26	− 4	NE	1	o	U	o	*	32	25	—
	Fanö	29·72	36	N	1	r	30·08	+·36	31	30	+ 4	NNE	4	c	*	r	*	39	27	0·35
British Islands.	Sumburgh Head	29·73	39	NW	2	bc	29·87	+·40	42	40	+ 4	SSW	2	r	3	c, bc	*	42	34	0·06
	Stornoway ...	29·88	38	W	1	b	29·71	+·01	45	44	+ 7	SW	3	o	3	c. b	3·0	46	34	0·08
	Wick	29·85	37	NW	2	c	29·78	+·22	43	43	+ 7	SW	3	o	2	c	*	43	33	0·04
	Nairn	29·93	39	W	1	c	? 29·84	+·14	45	43	+ 7	W	1	bc	1	c	*	45	35	0·01
	Aberdeen ...	29·90	37	W	3	b	29·94	+·24	38	37	0	S	2	cg	2	bq. b. p	7·2	42	34	0·01
	Leith	29·96	41	W	3	b	29·98	+·21	44	42	+ 5	SW	2	oa	*	b	*	51	36	—
	Shields	29·97	40	WNW	4	b	30·08	+·27	40	39	0	SSW	3	op	2	b	*	46	34	—
	Spurn Head ...	29·96	41	WNW	5	b	30·16	+·29	38	37	− 2	WSW	2	ow	3	b	*	45	36	—
	York	29·98	40	NW	1	b	30·16	+·26	36	35	− 6	SW	1	f	*	b	4·8	48	32	0·01
	Loughborough ...	30·05	40	WNW	3	bc	30·20	+·20	34	34	− 5	ESE	1	ef	*	ep. bc. b	*	47	33	0·04
	Ardrossan ...	30·00	45	NW	4	bpq	29·99	+·12	45	45	+ 3	SSW	4	omp	3	bpq	*	47	40	0·01
	Malin Head ...	30·03	44	NNW	4	ep	29·91	−·02	45	45	+ 2	SSW	4	o	2	ep	*	50	42	0·02
	Belmullet ...	30·13	47	W	4	op	29·97	−·21	47	46	+ 1	SW	4	o	*	bc op	*	50	44	0·03
	Donaghadee ...	30·09	42	W	4	b	30·05	+·12	43	42	+ 2	SSW	5	c	3	b	*	47	35	0·01
	Liverpool (Bidston)	30·09	39	W	5	bc	30·16	+·20	43	40	− 1	SSW	2	o	3	bc. p	*	46	40	0·05
	Holyhead ...	30·12	45	NW	5	b	30·15	+·12	45	43	+ 1	SW	3	c	2	p. bc. b	*	48	42	—
	Parsonstown ...	30·17	45	W	1	bc	30·11	−·03	43	42	+ 1	SW	1	o	*	bc	4·7	51	41	—
	Valencia ...	30·28	49	WSW	3	bc	30·14	−·10	46	45	− 1	SW	4	omp	4	c. bc	5·9	51	43	0·06
	Roche's Point ..	30·23	48	NW	3	b	30·19	−·02	47	46	+ 4	W	3	c	3	b	*	49	41	—
	Pembroke (St. Ann's Hd.)	30·18	48	NW	3	b	30·20	+·07	48	45	+ 2	WNW	4	o	4	b	6·7	48	45	—
	Scilly	30·23	49	NW	4	c	30·26	+·05	47	44	− 1	W	2	c	3	cp. c	7·3	51	44	0·01
	Prawle Point ...	30·21	43	WNW	2	bc	30·28	+·08	42	41	+ 2	WSW	2	bc	2	cp. bc	*	49	40	0·01
	Jersey (St. Aubin's)	30·18	48	NW	3	b	30·30	+·10	40	39	− 4	WNW	3	bcm	3	bq. b	*	52	38	0·04
	Hurst Castle ...	30·12	45	WNW	2	bc	? 30·25	+·14	37	35	− 4	WSW	1	cm	2	c, bc	*	50	35	—
	Dungeness ...	30·03	42	WNW	3	cp	30·21	+·15	32	32	− 3	NW	2	bc	1	bc. cp	*	50	30	0·02
	North Foreland	30·03	43	W	5	c	30·21	+·17	37	36	0	W	3	c	2	c	*	46	34	—
	London (Brixton) ...	30·07	41	NW	3	b	30·24	+·18	32	31	− 3	SW	1	bc	*	cp. b	0·5	48	31	0·06
	Oxford	30·13	40	W	2	b	30·24	+·16	34	33	− 4	WSW	1	bc	*	cp. b	*	49	32	0·01
	Cambridge ...	30·05	40	NW	2	b	30·23	+·22	32	32	− 5	SW	1	cm	*	b	4·9	49	31	—
	Yarmouth ...	29·93	43	NW	3	bc	30·15	+·23	34	33	− 2	WNW	3	bm	3	bc	*	45	31	—
Germany & Holland.	Cuxhaven ...	29·76	37	SW	2	bc	30·00	+·23	34	33	− 2	NNE	4	o	*	c	*	39	34	0·04
	Berlin	29·88	33	SW	2	b	29·88	+·06	30	29	− 4	L	0	o	*	b	*	37	30	—
	Wiesbaden ...	*	*	*	*	*	29·99	−·05	37	36	+ 1	NW	2	o	*	*	*	39	36	0·12
	Munich... ..	30·08	28	W	5	c	29·97	−·08	30	30	0	W	5	s	*	c	*	34	28	0·04
	The Helder ...	29·85	42	WNW	2	b	30·10	+·25	39	37	− 3	NNE	1	c	2	b	*	45	39	0·12
Belgium.	Brussels ...	*	*	*	*	*	30·17	+·11	35	34	+ 2	WSW	2	c	*	o	*	43	32	0·12
	Cape Gris Nez...	29·99	46	WNW	5	o	? 30·14	+·14	40	37	− 2	N	2	m	2	o	*	46	37	—
	Paris	30·13	43	W	2	o	30·21	+·04	35	34	+ 4	WNW	2	bc	*	o	*	46	31	—
	Brest	30·26	48	NW	3	c	? 30·29	+·03	45	43	− 2	NW	1	b	2	c	*	52	41	—
	Lorient... ...	30·26	48	NNW	4	c	30·32	+·08	45	43	− 1	NNW	2	bc	2	c	*	54	41	0·04
France &	Rochefort ...	30·28	48	WNW	3	bc	30·32	−·01	43	42	− 2	NNW	4	b	*	bc	*	51	41	—
	Belfort	30·16	32	SW	7	s	30·08	−·10	32	32	+ 2	W	5	bc	*	s	*	35	30	0·08
	Lyons	30·23	37	N	1	o	30·21	−·05	36	35	+ 2	N	1	c	*	o	*	42	? 32	0·04
	Nice	29·92	44	L	0	b	29·99	+·06	36	28	− 2	E	3	b	2	b	*	52	34	—
	Perpignan ...	30·20	48	NW	2	b	30·24	+·02	46	41	− 1	NW	2	o	*	b	*	52	43	—
	Biarritz ...	30·25	50	NNW	3	r	30·25	−·01	45	44	− 3	L	0	b	3	r	*	54	45	0·51
Penin-sula.	Corunna ...																*			
	Lisbon	30·23	52	NNE	3	b	30·25	−·08	48	42	− 2	NE	4	b	*	b	*	61	46	—
	Azores (P. Delgada)	30·24	59	E	3	c	30·87	−·05	59	56	0	ESE	4	c	?	c	*	64	57	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 4·6 hrs;

WEATHER CHARTS

FOR WEDNESDAY, 9th FEBRUARY, 1898

BAROMETER, WIND AND SEA.

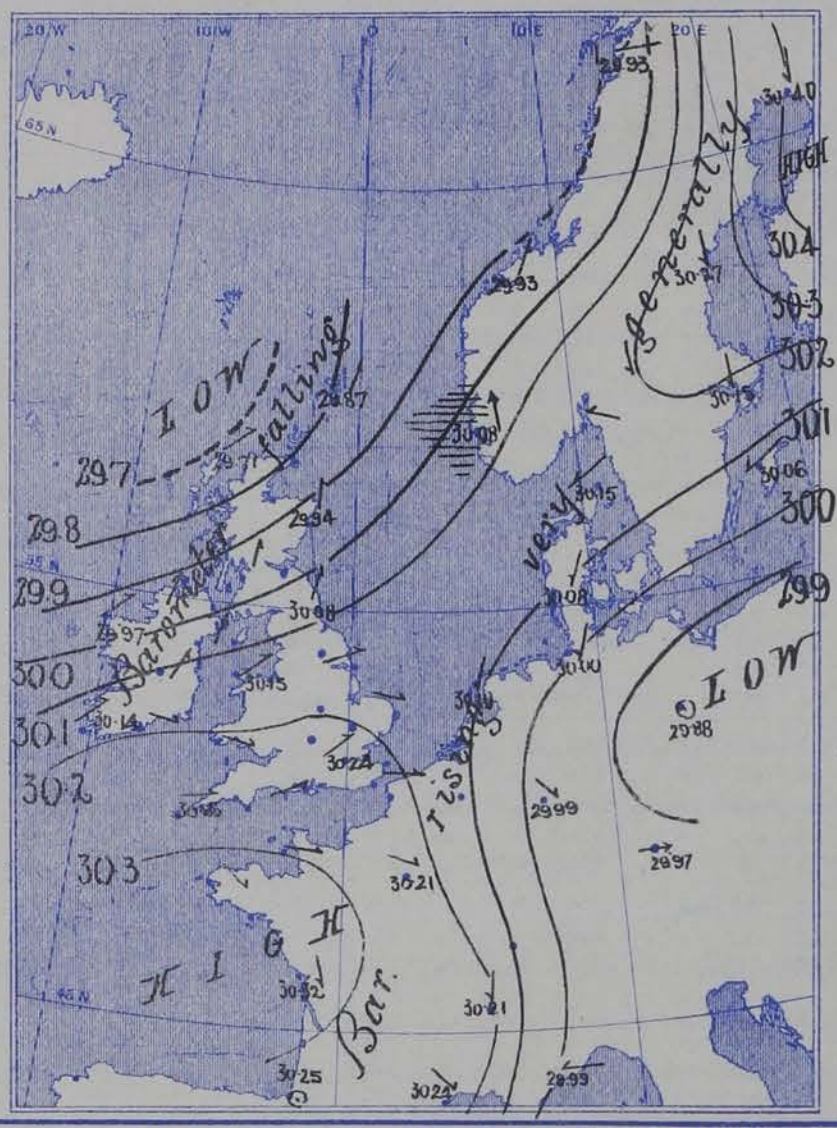
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▩

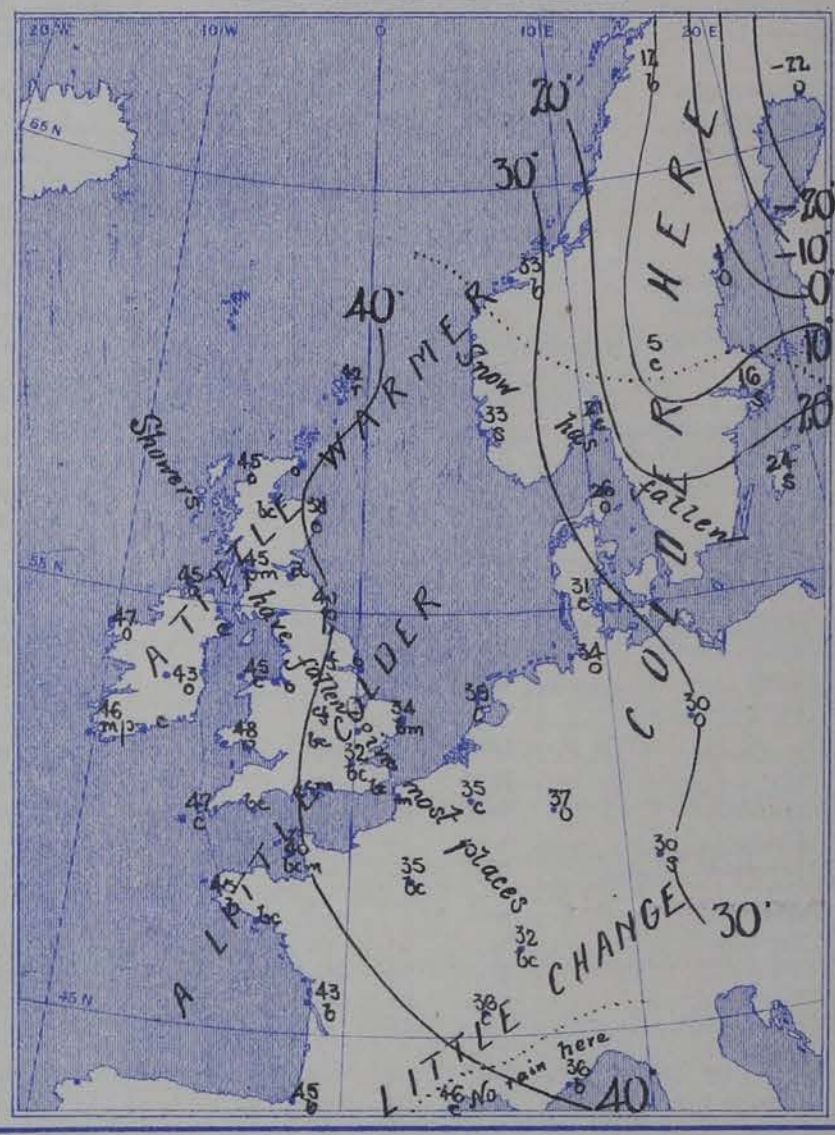


TEMPERATURE & WEATHER.

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 FEBRUARY.*

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 · 772	38 · 6	37 · 2	42 · 2	34 · 4	51	1887, 91	17	1895	3 · 11	—	—
Stornoway	29 · 775	38 · 9	38 · 0	43 · 6	34 · 2	55	1891	12	1892	3 · 80	63 · 6	25
Wick	29 · 800	37 · 7	36 · 4	42 · 9	32 · 9	59	1878	2	1895	2 · 16	—	—
Nairn	29 · 815	36 · 7	35 · 1	43 · 4	32 · 5	64	1891	0	1895	1 · 65	—	—
Aberdeen	29 · 853	36 · 9	35 · 2	43 · 1	33 · 3	59	1878, 83	6	1895	2 · 26	73 · 4	28
Leith	29 · 873	38 · 1	36 · 7	45 · 5	33 · 9	59	1882	12	1895	1 · 51	—	—
Shields	29 · 908	38 · 3	36 · 9	43 · 9	34 · 4	59	1887	7	1895	1 · 50	—	—
Spurn Head	29 · 938	38 · 1	37 · 2	42 · 2	35 · 4	57*	1891	20*	1895	1 · 32	—	—
York	29 · 945	37 · 0	36 · 0	44 · 4	33 · 2	59	1872, 78	3	1895	1 · 68	60 · 0	22
Loughborough	29 · 972	36 · 7	35 · 5	45 · 2	33 · 0	64*	1891	−5*	1895	1 · 71	—	—
Ardrossan	29 · 880	39 · 2	38 · 0	44 · 4	35 · 9	56	1891	13	1895	2 · 93	—	—
Malin Head	29 · 844	41 · 0	39 · 5	45 · 5	38 · 3	—	—	—	—	—	—	—
Belmullet	29 · 870	42 · 3	40 · 7	47 · 2	38 · 8	—	—	—	—	4 · 20	—	—
Donaghadee	29 · 894	40 · 0	39 · 1	45 · 5	36 · 6	56	1894	16	1895	2 · 34	—	—
Holyhead	29 · 923	41 · 1	39 · 8	45 · 4	38 · 3	59	1891	17	1895	2 · 42	—	—
Liverpool	29 · 943	38 · 5	37 · 0	44 · 3	35 · 7	62	1878	12	1895	1 · 68	—	—
Parsonstown	29 · 915	39 · 1	37 · 8	46 · 8	35 · 1	59	1891	6	1895	2 · 16	68 · 0	25
Valencia	29 · 917	44 · 3	42 · 6	49 · 5	40 · 3	58	1891	22	1895	4 · 89	72 · 9	27
Roche's Point	29 · 927	43 · 0	41 · 4	48 · 2	39 · 4	56	1877, 89	25	1895	4 · 19	—	—
Pembroke	29 · 948	41 · 8	40 · 5	45 · 3	39 · 0	52	1877, 91	23	1895	2 · 62	79 · 9	29
Scilly	29 · 964	45 · 7	44 · 1	48 · 6	42 · 4	56	1877	27	1895	2 · 62	—	—
Prawle Point	29 · 996	41 · 2	40 · 2	46 · 6	37 · 8	57*	1891	21*	1888, 92, 95	1 · 94	—	—
Jersey	30 · 016	42 · 0	40 · 6	46 · 8	38 · 8	62	1891	18	1895	2 · 41	95 · 0	34
Hurst Castle	29 · 996	39 · 8	38 · 8	45 · 4	36 · 3	60	1877	17	1895	2 · 10	—	—
Dover	29 · 990	38 · 8	37 · 7	44 · 2	35 · 5	56	1882	11	1889	1 · 81	—	—
LONDON	29 · 996	38 · 1	36 · 8	45 · 5	34 · 5	62	1876, 91	10	1895	1 · 64	33 · 0†	12†
Oxford	29 · 994	37 · 3	36 · 1	44 · 9	34 · 2	64	1891	7	1895	1 · 76	66 · 3	24
Cambridge	29 · 987	36 · 7	35 · 7	45 · 5	32 · 1	67	1891	6	1895	1 · 42	70 · 5	26
Yarmouth	29 · 967	37 · 8	36 · 9	42 · 3	34 · 0	58	1872	15	1895	1 · 73	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.4 ins. and upwards over Lapland; 30.3 ins. and upwards over the Bay of Biscay and the W. of France.
Lowest 29.7 ins. and less in a depression off the northwest of Scotland; 29.9 ins. and less in another shallow area over Germany.
Gradients slight generally, but moderate over the northern parts of our islands and Scandinavia.
Barometer falling in Ireland and Scotland, but rising in most other parts of our area.

TEMPERATURE

Highest 48° at Pembroke, 47° at Belmullet, Roche's Pt. and Scilly, and 46° at Valencia (Ireland) and Perpignan.
Lowest −2° F. at Haparanda, +1° at Hernösand, 5° at Karlstad, and 12° at Bodö; lowest in our islands 32° in London and at Cambridge and Dungeness.
Frost occurred last night in many parts of Gt. Britain; in London the thermometer fell to 31° in the screen, and to 23° on the grass.

WIND

Light to moderate from the SW^wd. over the greater part of our islands; S^ly. in the west of Norway.
Light from the W^wd. on our southern coasts, and from the NW^wd. or N^wd. over the greater part of France.
N^ly. over Sweden, Denmark and N. Germany; W^ly. in south Germany and the east of France.

WEATHER

Fine over France and the S. of England, but cloudy or dull in nearly all other parts of our area, with passing showers at several of our own western and northern stations.
Snow was falling in the south of Sweden, and also at Skudesnaes and Munich.
Showers fell yesterday in most parts of W^rn Europe. Lunar halos have been seen at Stornoway and Spurn Head.

SEA

Slight or smooth generally, but rather rough at Skudesnaes.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the NW. of Scotland seems likely to travel away to the N^wd., but with the present distribution of pressure there is some tendency for the development of other disturbances over the North Sea.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S^ly. and SW^ly. winds, freshening, dull, some rain.
1	SCOTLAND EAST	
2	ENGLAND N.E.	SW^ly. winds, light or moderate, cloudy, showery.
3	ENGLAND EAST	W^ly. and SW^ly. winds, light or moderate, fair at first, some rain later.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos. 0 and 1.
7	ENGLAND N.W.	Same as No. 2.
8	ENGLAND S.W.	Same as Nos. 3 to 5.
9	IRELAND NORTH	SW^ly. winds, freshening considerably, dull, some rain.
10	IRELAND SOUTH	
	WARNINGS	None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.67	32	32	SSE	6	s	4
Sumburgh Head	29.62	39	38	S	0	c	3
Stornoway	29.88	44	41	WNW	4	c	4
Aberdeen	29.80	41	37	WNW	5	bq	4
Shields	29.87	45	41	WNW	4	b	2
Ardrossan	29.95	46	45	NW	5	bpq	3
Malin Head ...	29.99	46	45	NNW	6	cp	4
Belmullet	30.15	49	45	WNW	3	bc	*
Holyhead	30.07	47	44	NW	6	bc	5

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.25	50	45	W	4	c	5
Scilly	30.23	50	46	WNW	4	cp	4
Jersey	30.20	52	48	NW	3	bc	3
Hurst Castle ...	30.11	43	40	W	4	c	3
Dungeness ...	30.02	48	44	W	4	bc	3
North Foreland	30.01	46	43	W	4	c	2
London (Westminster)	30.01	49	44	WNW	3	0	*
Yarmouth ...	29.98	45	42	WNW	4	bc	3
Rochefort ...	30.31	51	49	NW	3	bc	*

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

Weather in morning fair or fine over our Islands as a whole, but with showers in a few places. — cloudy or dull in most of the Continental countries; with rain at Biarritz and Rome, and snow over the Gulf of Finland and the south of Sweden, as well as at Cuxhaven. Fine over the Spanish peninsula, N^rn Italy and the extreme S. of France. Showers falling later in nearly all parts of W^rn Europe. Lunar halos seen at Stornoway and Spurn Hd.

Temperature risen generally, but fallen in Russia and the N. of Sweden. Morning readings highest 57° at Algiers, 55° at Malta and La calle, and 51° at Barcelona; above 45° in the extreme SW. of our islands. Lowest −24° F. at Archangel and Haparanda, −15° at Uleaborg, and −11° at Kuopio; considerably below the freezing point over the northern parts of Russia and Scandinavia generally, and slightly below it in many parts of central Europe. Rising during day to between 45° and 50° over our islands generally, and to 52° at Jersey. Exceeding 50° also in the W. and S. of France. Frost occurring over Gt. Britain at night.

Wind light to fresh from the W^rd or NW^rd over our islands, the Netherlands and the greater part of France; N^rly (NW to NE) over Italy and the Spanish peninsula. Light from the SW^rd over Germany and Poland; E^rly over Scandinavia and northern Russia, and strong in many places; variable in Denmark. No important change occurring over western Europe during day.

Barometer highest 30.4 ins. and upwards in the NW. of Spain, 30.2 ins. and upwards in an anticyclone extending from the Atlantic over the whole of the Spanish peninsula, the W^rn and central parts of France and the SW. of our islands, as well as in two other systems, one lying over Lapland, and the other over the S. of Russia. Lowest 29.5 ins. and less in a depression near the Shetlands, 29.7 ins. and less in a large shallow area over Greece and S^rn Italy. Depression in N. filling up later; barometer rising over W^rn Europe generally.

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 10th February, 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 ...	30·56	−25	2	0	b	30·65	+ ·25	−28	−29	− 6	NE	2	b	#	b	#	−17	−38	−
	Hernösand ...	30·48	6	N	2	0	30·52	+ ·25	5	4	+ 4	N	2	0	#	0	#	7	−2	−
	Stockholm ...	30·39	18	NE	2	0	30·49	+ ·34	16	15	0	WNW	2	b	#	0	#	21	14	−
	Wisby	30·38	24	NNE	4	s	30·47	+ ·41	23	21	− 1	N	4	0	#	s	#	25	21	−
	Karlstad ...	30·40	10	N	2	0	30·44	+ ·24	21	20	+ 16	SSE	2	0	#	0	#	#	#	−
	Bodö	30·02	18	? E	1	b	29·94	+ ·01	21	18	+ 9	E	1	s	2	b	#	21	12	−
	Christiansund ...	29·92	36	S	3	0	29·88	− ·05	40	37	+ 7	S	4	0	4	0	#	41	32	−
	Skudesnaes ...	30·15	36	S	9	0	30·16	+ ·08	38	37	+ 5	SSE	8	0	5	0	#	38	30	#
	Færder (Christiania Fjord)	30·33	27	SSE	4	0	30·35	+ ·16	31	30	+ 10	SSW	4	0	2	0	#	31	21	−
	Skagen (The Scaw)	30·38	26	SE	1	c	30·40	+ ·25	30	30	+ 4	SW	3	0	0	c	#	30	23	−
	Fanö	30·36	31	E	2	0	30·37	+ ·29	32	31	+ 1	SE	4	c	#	0	#	32	30	−
British Islands.	Sumburgh Head	29·64	45	SSW	3	r	29·85	− ·02	42	40	0	W	1	bc	4	0.r	#	46	39	0·19
	Stornoway ...	29·63	47	WSW	5	r	29·81	+ ·10	41	40	− 4	W	3	0	3	r	0·1	47	38	0·15
	Wick	29·72	41	SW	3	0	29·87	+ ·09	40	40	− 3	S	1	0	2	0	#	45	38	−
	Nairn	29·79	45	WSW	3	c	29·88	+ ·04	45	44	0	WSW	1	c	1	c	#	49	42	−
	Aberdeen ...	29·88	44	S	3	0g	29·94	·00	46	45	+ 8	S	2	ogm	3	0g	0·0	46	38	−
	Leith	29·95	46	WSW	3	c	29·96	− ·02	49	47	+ 5	SW	1	0	#	c	#	50	42	−
	Shields	30·06	45	S	3	0	30·07	− ·01	46	46	+ 6	SW	3	0	2	0.r	#	47	38	0·02
	Spurn Head ...	30·17	42	SSW	4	0	30·18	+ ·02	43	42	+ 5	SW	3	c	3	0	#	44	38	−
	York	30·17	46	S	1	0	30·16	·00	43	42	+ 7	S	2	0	#	0	0·0	47	35	0·04
	Loughborough ...	30·21	45	SSW	2	0	30·23	+ ·03	42	41	+ 8	SSE	1	c	#	cm.0.c	#	47	34	−
	Ardrossan ...	29·95	47	SSE	4	opm	29·97	− ·02	47	47	+ 1	SSE	3	op	3	c.opm	#	47	44	0·03
	Malin Head ...	29·83	47	S	6	r	29·92	+ ·01	45	45	0	SSW	2	0d	1	0.r	#	48	44	0·05
	Belmullet ...	29·90	50	WSW	7	op	29·90	− ·07	49	49	+ 2	S	5	0	#	0.op	#	50	?47	0·23
	Donaghadee ...	30·00	47	SW	5	c	30·04	− ·01	47	46	+ 4	WSW	3	c	2	c	#	48	42	0·06
	Liverpool (Bidston)	30·17	46	SW	2	0	30·16	·00	48	45	+ 5	SW	3	0	2	0	#	48	42	−
	Holyhead ...	30·12	48	SSW	3	cp	30·12	− ·03	48	48	+ 3	SW	4	cmp	3	cm	#	49	43	0·06
	Parsonstown ...	30·05	49	SW	1	0	30·05	− ·06	49	42	+ 6	S	1	c	#	0	1·1	50	42	−
	Valencia ...	30·09	50	S	3	cm	30·05	− ·09	50	49	+ 4	SW	4	cmq	5	cm	0·4	51	44	0·10
	Roche's Point ..	30·15	48	WSW	4	c	30·16	− ·03	49	48	+ 2	SW	4	c	4	c	#	50	45	−
	Pembroke (St. Ann's Hd.)	30·20	48	SW	5	0	30·21	+ ·01	49	47	+ 1	WSW	4	0	4	0	0·0	49	45	0·01
	Scilly	30·27	48	SW	4	0	30·28	− ·01	49	45	+ 2	SSW	4	cm	3	cp	2·2	52	44	0·02
	Prawle Point ...	30·31	47	WSW	3	bc	30·32	+ ·04	45	44	+ 3	WSW	3	bcp	3	bcp	#	49	?42	0·02
	Jersey (St. Aubin's)	30·34	49	WSW	3	cg	30·38	+ ·05	48	44	+ 8	SW	3	0	3	bc. cg	#	54	39	−
	Hurst Castle ...	30·29	47	SSW	3	0	30·32	+ ·07	46	44	+ 9	SSW	2	c	2	0	#	50	36	0·01
	Dungeness ...	30·29	44	WSW	2	bc	30·32	+ ·11	45	45	+ 13	WSW	2	c	1	bc	#	49	32	0·01
	North Foreland	30·33	42	W	2	c	30·33	+ ·12	43	43	+ 6	SW	2	0	1	bc.c	#	45	35	−
	London (Brixton) ...	30·28	44	SW	1	bf	30·31	+ ·07	43	41	+ 11	S	2	c	#	0.bc.b	0·0	48	31	−
	Oxford	30·28	45	SW	2	0	30·30	+ ·06	42	41	+ 8	SSW	2	opd	#	0, pd	#	48	33	0·01
	Cambridge ...	30·27	42	SSW	2	0	30·28	+ ·05	42	42	+ 10	SW	1	0	#	0	0·1	46	31	−
	Yarmouth ...	30·22	42	SW	1	c	30·25	+ ·10	42	40	+ 8	SW	3	cm	3	bc.c	#	43	31	−
Germany & Holland.	Cuxhaven ...	30·33	?	ENE	2	c	30·41	+ ·41	29	29	− 5	S	2	c	#	c	#	36	28	−
	Berlin	30·23	23	NNE	4	0	30·48	+ ·60	31	28	+ 1	NNW	4	0	#	0	#	37	30	0·08
	Wiesbaden ...	*	*	*	*	#	30·46	+ ·47	30	28	− 7	Z	0	b	#	*	#	39	30	−
	Munich... ..	30·15	32	W	4	s	30·41	+ ·44	27	26	− 3	W	4	s	#	s	#	34	27	0·12
	The Helder ...	30·30	35	Z	0	m	30·32	+ ·22	34	33	− 5	S	2	c	1	m	#	41	32	−
Belgium. France &	Brussels ...	*	*	*	*	*	30·42	+ ·25	35	34	0	SSW	2	0	#	bc	#	44	34	−
	Cape Gris Nez...	30·25	45	WNW	1	m	?	?	42	41	+ 2	SSW	3	0	3	m	#	46	37	0·08
	Paris	30·35	39	Z	0	b	30·43	+ ·22	28	28	− 7	SE	1	m	#	b	#	48	28	−
	Brest	30·36	49	WNW	2	0	30·37	+ ·08	49	46	+ 4	SW	3	0	3	0	#	50	41	−
	Lorient... ...	30·38	48	W	1	c	30·39	+ ·07	43	42	− 2	SE	2	bc	1	c	#	57	41	−
	Rochefort ...	30·39	48	N	3	bc	30·41	+ ·09	37	37	− 6	E	3	bc	#	bc	#	54	36	−
	Belfort	30·26	34	SW	5	0	? 30·49	+ ·41	21	20	− 11	NE	2	m	#	0	#	36	21	0·20
	Lyons	30·32	38	N	2	c	30·41	+ ·20	32	32	− 4	NW	2	b	#	c	#	43	32	0·04
	Nice	29·98	45	E	1	b	30·14	+ ·15	37	28	+ 1	E	1	b	2	b	#	54	36	−
	Perpignan ...	30·26	47	NW	4	b	30·31	+ ·07	41	36	− 5	NW	2	b	#	b	#	50	39	−
	Biarritz ...	30·25	49	NNE	2	b	30·30	+ ·05	36	35	− 9	E	3	b	3	b	#	52	36	−
Penin-sula.	Corunna ...																#			
	Lisbon	30·22	54	ENE	4	b	30·26	+ ·01	46	41	− 2	ENE	4	b	#	b	#	61	46	−
	Azores (P. Delgada)	30·25	60	SSE	4	0	30·15	− ·02	58	56	− 1	S	2	c	2	0	#	64	57	−

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

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

Bright Sunshine yesterday Southport 0·0 hrs;

WEATHER CHARTS

FOR THURSDAY, 10TH FEBRUARY, 1898

BAROMETER, WIND AND SEA.

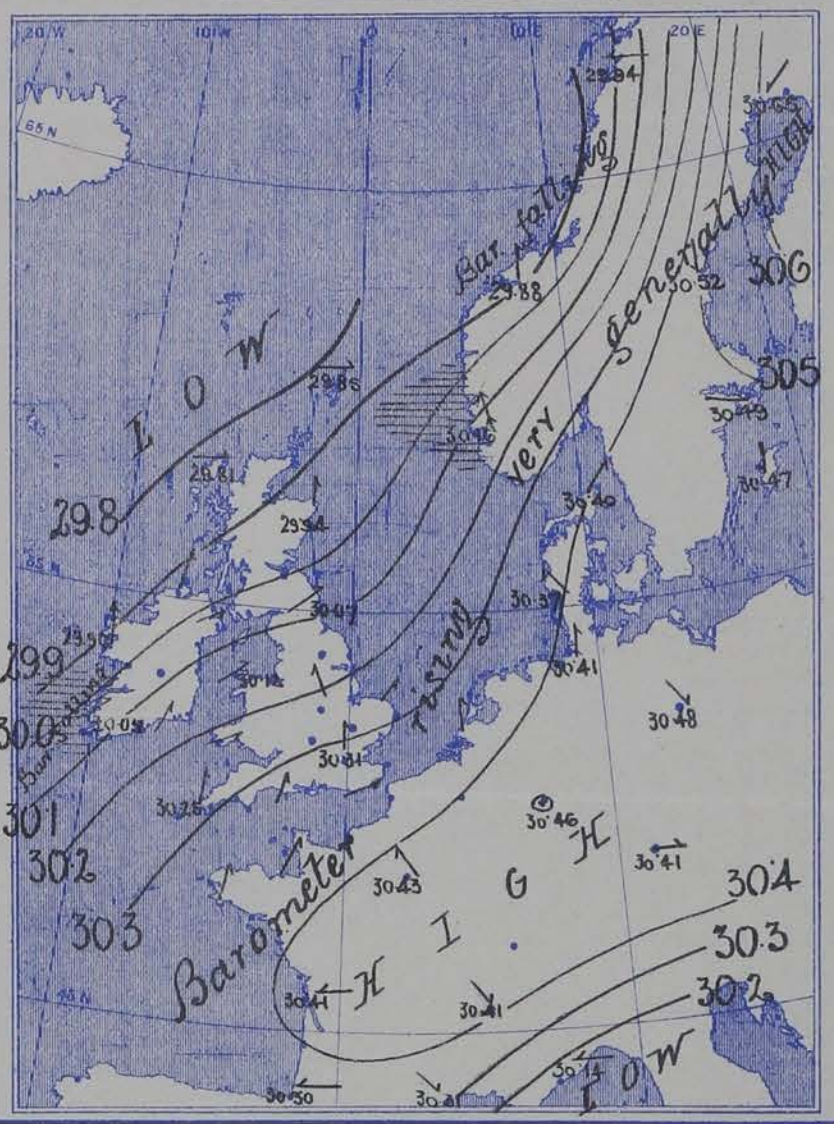
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▩

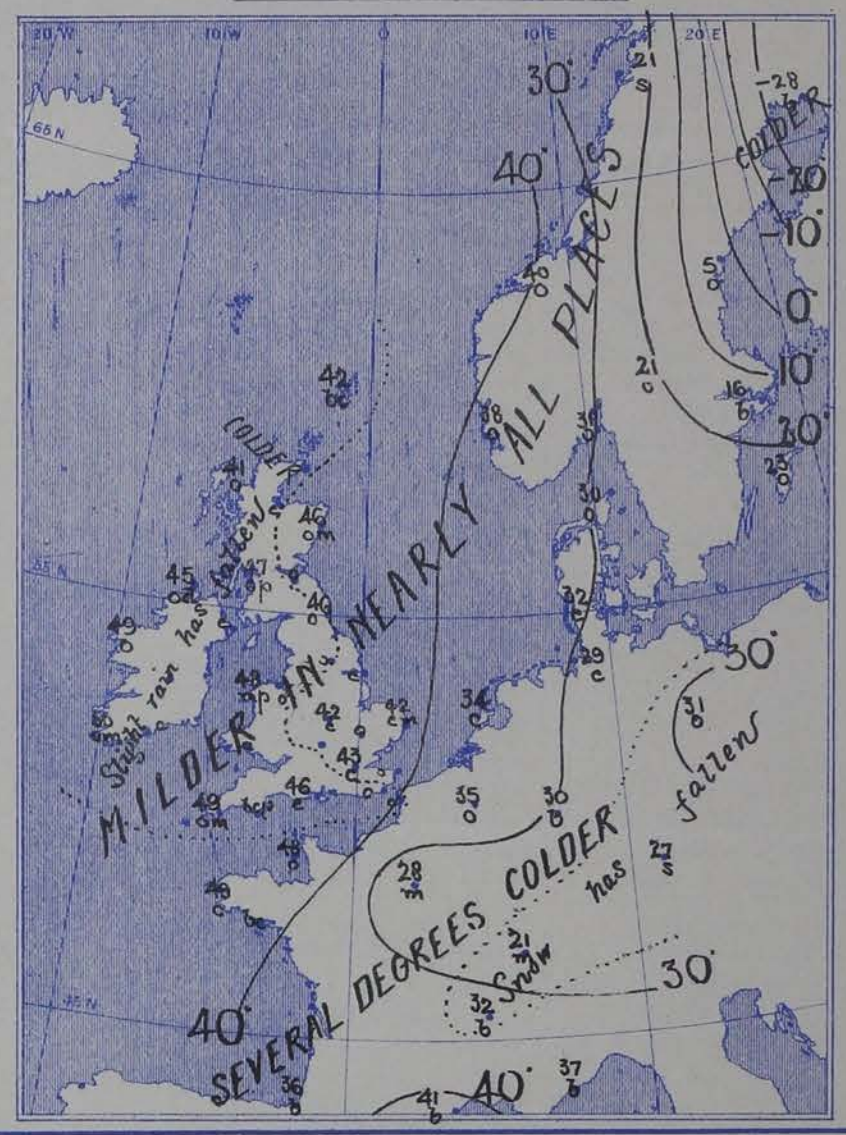


TEMPERATURE & WEATHER.

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 FEBRUARY.

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 · 772	38 · 6	37 · 2	42 · 2	34 · 4	51	1887, 91	17	1895	3 · 11	—	—
Stornoway	29 · 775	38 · 9	38 · 0	43 · 6	34 · 2	55	1891	12	1892	3 · 80	63 · 6	25
Wick	29 · 800	37 · 7	36 · 4	42 · 9	32 · 9	59	1878	2	1895	2 · 16	—	—
Nairn	29 · 815	36 · 7	35 · 1	43 · 4	32 · 5	64	1891	0	1895	1 · 65	—	—
Aberdeen	29 · 853	36 · 9	35 · 2	43 · 1	33 · 3	59	1878, 83	6	1895	2 · 26	73 · 4	28
Leith	29 · 873	38 · 1	36 · 7	45 · 5	33 · 9	59	1882	12	1895	1 · 51	—	—
Shields	29 · 908	38 · 3	36 · 9	43 · 9	34 · 4	59	1887	7	1895	1 · 50	—	—
Spurn Head	29 · 938	38 · 1	37 · 2	42 · 2	35 · 4	57*	1891	20*	1895	1 · 32	—	—
York	29 · 945	37 · 0	36 · 0	44 · 4	33 · 2	59	1872, 78	3	1895	1 · 68	60 · 0	22
Loughborough	29 · 972	36 · 7	35 · 5	45 · 2	33 · 0	64*	1891	—5*	1895	1 · 71	—	—
Ardrossan	29 · 880	39 · 2	38 · 0	44 · 4	35 · 9	56	1891	13	1895	2 · 93	—	—
Malin Head	29 · 844	41 · 0	39 · 5	45 · 5	38 · 3	—	—	—	—	—	—	—
Belmullet	29 · 870	42 · 3	40 · 7	47 · 2	38 · 8	—	—	—	—	4 · 20	—	—
Donaghadee	29 · 894	40 · 0	39 · 1	45 · 5	36 · 6	56	1894	16	1895	2 · 34	—	—
Holyhead	29 · 923	41 · 1	39 · 8	45 · 4	38 · 3	59	1891	17	1895	2 · 42	—	—
Liverpool	29 · 943	38 · 5	37 · 0	44 · 3	35 · 7	62	1878	12	1895	1 · 68	—	—
Parsonstown	29 · 915	39 · 1	37 · 8	46 · 8	35 · 1	59	1891	6	1895	2 · 16	68 · 0	25
Valencia	29 · 917	44 · 3	42 · 6	49 · 5	40 · 3	58	1891	22	1895	4 · 89	72 · 9	27
Roche's Point	29 · 927	43 · 0	41 · 4	48 · 2	39 · 4	56	1877, 89	25	1895	4 · 19	—	—
Pembroke	29 · 948	41 · 8	40 · 5	45 · 3	39 · 0	52	1877, 91	23	1895	2 · 62	79 · 9	29
Scilly	29 · 964	45 · 7	44 · 1	48 · 6	42 · 4	56	1877	27	1895	2 · 62	—	—
Prawle Point	29 · 996	41 · 2	40 · 2	46 · 6	37 · 8	57*	1891	21*	1888, 92, 95	1 · 94	—	—
Jersey	30 · 016	42 · 0	40 · 6	46 · 8	38 · 8	62	1891	18	1895	2 · 41	95 · 0	34
Hurst Castle	29 · 996	39 · 8	38 · 8	45 · 4	36 · 3	60	1877	17	1895	2 · 10	—	—
Dover	29 · 990	38 · 8	37 · 7	44 · 2	35 · 5	56	1882	11	1889	1 · 81	—	—
LONDON	29 · 996	38 · 1	36 · 8	45 · 5	34 · 5	62	1876, 91	10	1895	1 · 64	33 · 0†	12†
Oxford	29 · 994	37 · 3	36 · 1	44 · 9	34 · 2	64	1891	7	1895	1 · 76	66 · 3	24
Cambridge	29 · 987	36 · 7	35 · 7	45 · 5	32 · 1	67	1891	6	1895	1 · 42	70 · 5	26
Yarmouth	29 . 967	37 · 8	36 · 9	42 · 3	34 · 0	58	1872	15	1895	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 Nth. part of the Gulf of Bothnia; 30.4 ins. and upwards in an anticyclone extending from Sweden over Denmark, Germany and the greater part of France.
Lowest 29.8 ins. and less in a depression lying to the northward of Scotland.
Gradients slight generally, but steep over the western and northern parts of Scandinavia.
Barometer rising in most places, but falling slightly on our extreme southwest coasts.

TEMPERATURE

Highest 50° at Valencia (Ireland), and 49° at Leith, Belmullet, Parsonstown, Roche's Pt, Pembroke, Scilly, and Brest.
Lowest (1) −28° F. at Haparanda, +5° at Hernösand, 16° at Stockholm, and 21° at Bodö and Karlstad, (2) 21° at Belfort, and 27° at Munich.
During yesterday the thermometer rose to between 45° and 50° in most parts of our Islands to 52° at Scilly & to 54° at Jersey.

WIND

Light to moderate from the S^nd. or SW^nd. over the greater part of our islands, but W^ly in the Shetlands and Hebrides.
S^ly or SE^ly on the eastern shores of the North Sea, with a gale at Skudesnaes; E^ly in the north of Scandinavia; N^ly or NW^ly at most of the Swedish stations.
Variable over central France; light from the E^nd. in the west and south of that country.

WEATHER

Cloudy or dull over NW^rn. Europe generally, with passing showers at several of our own W^rn. stations; and snow at Bodö.
Fine at most of the French stations; snow reported at Munich.
Showers fell yesterday in many parts of our islands, France and Germany. A solar halo was seen in London, and also at Cosford and Jersey.

SEA

Slight or smooth generally, but rather rough at Valencia (Ireland) as well as at Skudesnaes

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed yesterday off the NW. of Scotland has travelled away to the N^nd. Another disturbance is, however, approaching Ireland, and increasing winds from the S^nd. or SW^nd. are probable on our extreme western and northern coasts.

FORECASTS

For the 24 hours ending at NOON on 11TH. FEBRUARY 1898

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
▲ SCOTLAND NORTH	W^ly winds, light, to SW^ly or S^ly, strong, dull, some rain.	▲ 6 SCOTLAND WEST	S^ly winds, increasing in force, dull, some rain.
▲ SCOTLAND EAST	S^ly winds, freshening, cloudy, showery.	7 ENGLAND N.W.	Same as No. 1.
2 ENGLAND N.E.	Same as No. 5.	8 ENGLAND S.W.	SW^ly winds, freshening, cloudy, showery.
3 ENGLAND EAST		▲ 9 IRELAND NORTH	Same as No. 6.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH	S^ly and SW^ly winds, light or moderate, mild, changeable, some showers.	WARNINGS	At 7.20 p.m. yesterday to districts 0, 6 and parts of 1 and 9. Hoist South Cone.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·15	36	33	SSE	8	o	5
Sumburgh Head	29·71	45	44	SSW	3	o	3
Stornoway	29·66	47	46	WSW	5	r	5
Aberdeen	29·90	43	42	S	3	og	3
Shields	30·08	46	45	SW	3	o	2
Ardrossan	29·97	46	46	SSE	4	c	3
Malin Head ...	29·86	47	47	S	5	o	3
Belmullet	29·91	49	48	WSW	5	o	*
Holyhead	30·13	48	46	SW	4	c	3
Valencia	30·04	51	48	SSW	4	ow	4
Scilly	30·27	50	46	SW	3	op	3
Jersey	30·33	50	48	WSW	3	bc	2
Hurst Castle ...	30·28	49	46	SW	2	o	2
Dungeness ...	30·26	46	43	WNW	2	bc	1
North Foreland	30·28	45	43	W	2	bc	2
London (Westminster)	30·25	48	43	WSW	2	o	*
Yarmouth ...	30·20	43	41	W	1	bc	3
Rochefort ...	30·39	53	48	N	2	bc	*

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

Weather in morning fine in the S. of England, as well as over France and the greater part of N^rn Europe. Fine also in the W. of Norway, and in the extreme N. of Russia, but cloudy or dull in nearly all other localities, with showers at several of our own W^rn and N^rn stations, and snow in many parts of Russia and the S. of Scandinavia, as well as at Swinemunde and Munich. Rain falling at Brindisi and Patras. Showers reported during day in many parts of W^rn Europe, and solar halos seen in the S. of England.

Temperature risen in the N. of our Islands, fallen in most other localities. Morning reading highest 55° at La Calle, 54° at Algiers, and 52° at Malta; above 45° at the Mediterranean stations generally, and also on our own extreme W. and SW. coasts. Lowest −22° F. at Haparanda, −21° at Ulleaborg, and −11° at Kuopio; slightly below the freezing point in many parts of central Europe, and just touching it at some stations in the E. and SE. of England. Rising during day to between 45° and 50° over our Islands generally; exceeding 50° on our extreme SW. coasts, and in the W. and S. of France.

Wind light to moderate from the SW^wd over the greater part of our Islands, but W^ly on our southern coasts. Light from the N^wd or NW^wd in France, and strong from the same quarters in Italy. Strong from between S. and E. on the Norwegian coasts; light to moderate from the N^wd or NE^wd over Sweden, Denmark and Russia; W^ly in Austria and S. Germany. Subsequently increasing to a strong breeze or moderate gale on our extreme northwest coasts. No important change occurring elsewhere.

Barometer highest 30.4 ins. and upwards over Lapland; 30.3 ins. and upwards over the Bay of Biscay, the W. of France and the NW. of Spain. Lowest 29.6 ins. and less in a large area over SE^rn Europe; 29.7 ins. and less in a shallow depression off the NW. of Scotland. Latter disturbance subsequently moving N^wds, but barometer continuing to fall on our W^rn and N^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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„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Friday 11th February, 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 ...	30·63	23	↗	0	b	30·60	− ·05	−11	−11	+ 17	ESE	2	o	*	b	*	?	−35	—
	Hernösand ...	30·50	19	NE	2	o	30·41	− ·11	26	26	+ 21	S	4	o	*	o	*	?	1	—
	Stockholm ...	30·51	19	↗	o	s	30·49	·00	23	23	+ 7	SE	2	o	*	s	*	?	16	0·04
	Wisby	30·52	24	NNW	4	s	30·49	+ ·02	25	24	+ 2	SE	4	o	*	s	*	25	19	0·04
	Karlstad ...	30·41	28	SSE	2	s	30·36	− ·08	31	30	+ 10	SSE	2	m	*	s	*	*	*	—
	Bodö	30·04	22	E	8	s	29·87	− ·07	26	25	+ 5	ESE	6	o	2	s	*	26	18	—
	Christiansund ...	30·01	41	SSE	2	o	29·74	− ·14	45	41	+ 5	SSE	2	c	4	o	*	45	39	0·04
	Skudesnaes ...	30·16	42	NE	6	o	30·04	− ·12	43	43	+ 5	SSE	6	o	5	f.o	*	43	34	*
	Færder (Christiania Fjord)	30·34	36	S	3	o	30·26	− ·09	38	37	+ 7	S	4	m	3	o	*	38	31	—
	Skagen (The Scaw)	30·39	34	SW	4	o	30·32	− ·08	35	35	+ 5	SW	3	m	1	o	*	36	30	—
	Fanö	30·37	36	S	4	o	30·32	− ·05	37	36	+ 5	S	3	o	*	o	*	37	32	0·04
British Islands.	Sumburgh Head	29·76	45	S	2	o	29·64	− ·21	45	43	+ 3	W	4	o	4	c.o	*	47	41	0·14
	Stornoway ...	29·60	48	SW	6	r	29·74	− ·07	40	39	− 1	W	4	o	4	o.r	0·3	48	37	0·65
	Wick	29·75	50	W	3	c	29·79	− ·08	42	40	+ 2	SSW	2	bc	1	c	*	52	40	—
	Nairn	29·76	50	W	2	c	29·82	− ·06	41	40	− 4	SW	2	b	1	c	*	51	40	0·03
	Aberdeen ...	29·90	47	S	4	ogq	29·89	− ·05	44	41	− 2	SW	3	b	11	ogq	0·0	50	44	—
	Leith	29·96	50	WSW	2	o	29·97	+ ·01	45	43	− 4	W	3	o	*	o.r	*	54	43	0·04
	Shields	30·08	49	SW	3	bc	30·03	− ·04	47	45	+ 1	SW	4	c	2	c.bc	*	54	44	—
	Spurn Head ...	30·20	45	SSW	4	c	30·18	·00	44	43	+ 1	SSW	4	c	4	c	*	50	43	—
	York	30·16	50	S	1	c	30·15	− ·01	46	43	+ 2	S	1	o	*	o.c	0·4	52	42	—
	Loughborough ...	30·24	47	SSW	1	o	30·23	·00	45	43	+ 3	SSW	2	cpa	*	c.bc.c.c	*	54	42	—
	Ardrossan ...	29·94	48	SSE	4	opa	30·00	+ ·03	45	44	− 2	SW	4	b	3	opa	*	48	44	0·04
	Malin Head ...	29·78	49	SSW	6	c	29·97	+ ·05	45	44	0	W	4	bc	3	c	*	?51	44	0·11
	Belmullet ...	29·81	49	SW	8	om	30·07	+ ·17	45	43	− 4	WSW	3	b	*	r.om	*	53	43	0·50
	Donaghadee ...	30·00	48	SSW	5	c	30·06	+ ·02	42	41	− 5	WSW	5	bc	3	c	*	52	41	0·05
	Liverpool (Bidston)	30·18	47	SSW	1	o	30·14	− ·02	48	44	0	SSW	3	o	2	o	*	52	44	—
	Holyhead ...	30·13	48	SW	5	c	30·11	− ·01	48	47	0	SW	6	dm	5	c	*	51	46	0·15
	Parsonstown ...	30·00	48	S	1	o	30·13	+ ·08	40	39	− 9	↗	o	b	*	c.or	1·3	53	39	0·16
	Valencia ...	29·98	50	S	5	og	30·17	+ ·12	47	44	− 3	WNW	2	o	4	og	0·5	52	44	0·25
	Roche's Point ..	30·10	50	SW	5	c	30·14	− ·02	47	46	− 2	NW	3	c	3	c.r	*	51	45	0·12
	Pembroke (St. Ann's Hd.)	30·18	48	W	5	b	30·19	− ·02	50	48	+ 1	SW	5	og	4	o.b.r	0·3	50	46	0·15
	Scilly	30·22	50	S	5	opm	30·21	− ·04	51	48	+ 2	SSW	3	c	5	o.opm	0·0	52	46	—
	Prawle Point ...	30·31	47	SW	4	o	30·29	− ·03	47	45	+ 2	SSW	5	c	4	op.o	*	48	44	0·01
	Jersey (St. Aubin's)	30·36	48	SW	3	o	30·37	− ·01	43	40	− 5	SSW	2	bw	2	og	*	49	41	—
	Hurst Castle ...	30·31	48	SW	3	o	30·32	·00	47	44	+ 1	SW	4	c	3	cp.o	*	51	45	0·01
	Dungeness ...	30·38	46	SW	3	c	30·34	+ ·02	46	44	+ 1	SW	3	c	2	c	*	49	44	—
	North Foreland	30·34	47	S	2	o	30·34	+ ·01	45	42	+ 2	SSW	2	o	1	c.o	*	51	42	..
	London (Brixton) ...	30·31	47	SSW	2	o	30·33	+ ·02	45	42	+ 2	SSW	2	o	*	o.od	0·0	51	42	—
	Oxford	30·29	46	SW	2	o	30·28	− ·02	45	43	+ 3	SSW	2	o	*	o	*	50	42	—
	Cambridge ...	30·29	46	SW	1	o	30·30	+ ·02	44	42	+ 2	SSW	2	o	*	c.o	1·8	51	41	—
	Yarmouth ...	30·25	47	WSW	3	bc	30·27	+ ·02	44	42	+ 2	SW	3	bc	3	bc	*	48	40	—
Germany & Holland.	Cuxhaven ...	30·41	34	SSE	2	o	30·36	− ·05	34	34	+ 5	S	2	o	*	o	*	36	29	—
	Berlin	30·53	30	WSW	2	b	30·47	− ·01	26	25	− 5	SSE	1	bc	*	b	*	34	25	—
	Wiesbaden ...	*	*	*	*	*	30·48	+ ·02	25	25	− 5	S	2	b	*	*	*	39	25	—
	Munich... ..	30·49	27	↗	o	c	30·46	+ ·05	8	8	− 19	SSE	3	b	*	c	*	32	8	0·04
	The Helder ...	30·32	22	SSW	2	m	30·32	·00	43	42	+ 9	SW	1	o	1	m	*	43	34	—
France & Belgium.	Brussels ...	*	*	*	*	*									*		*			
	Cape Gris Nez...	? 30·28	45	SW	2	o	? 30·30	?	45	42	+ 3	SSW	2	o	2	o	*	46	39	0·08
	Paris	30·43	44	SE	1	bc	30·42	− ·01	28	28	0	↗	o	b	*	bc	*	51	28	—
	Brest	30·31	49	SSW	3	o	30·28	− ·09	47	45	− 2	ESE	2	o	2	o	*	50	43	—
	Lorient... ...	30·30	45	S	1	bc	30·32	− ·07	41	41	− 2	SE	2	bc	2	bc	*	55	39	—
	Rochefort ...	30·37	46	ESE	2	b	30·34	− ·07	35	34	− 2	ESE	3	b	*	b	*	54	32	—
	Belfort	30·45	30	ENE	3	m	30·46	− ·03	21	19	0	ENE	4	b	*	m	*	38	21	—
	Lyons	30·43	37	N	1	b	30·46	+ ·05	27	26	− 5	W	1	b	*	b	*	43	26	—
	Nice	30·23	46	N	1	b	30·33	+ ·19	36	30	− 1	E	1	b	1	b	*	55	36	—
	Perpignan ...	30·30	48	NE	2	b	30·38	+ ·07	32	32	− 9	SW	1	b	*	b	*	57	30	—
	Biarritz ...	30·24	49	ENE	3	b	30·34	− ·06	43	39	+ 7	SE	2	b	2	b	*	57	36	—
Penin-sula.	Corunna ...																*			
	Lisbon	30·26	55	N	3	b	30·33	+ ·07	46	42	0	NE	4	b	*	b	*	59	45	—
	Azores (P. Delgada)	30·26	59	S	2	c	30·38	+ ·23	55	52	− 3	NE	4	b	3	c	*	63	54	—

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

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

Bright Sunshine yesterday Southport 2.5 hrs;

WEATHER CHARTS

FOR FRIDAY, 11TH FEBRUARY, 1898

BAROMETER, WIND AND SEA.

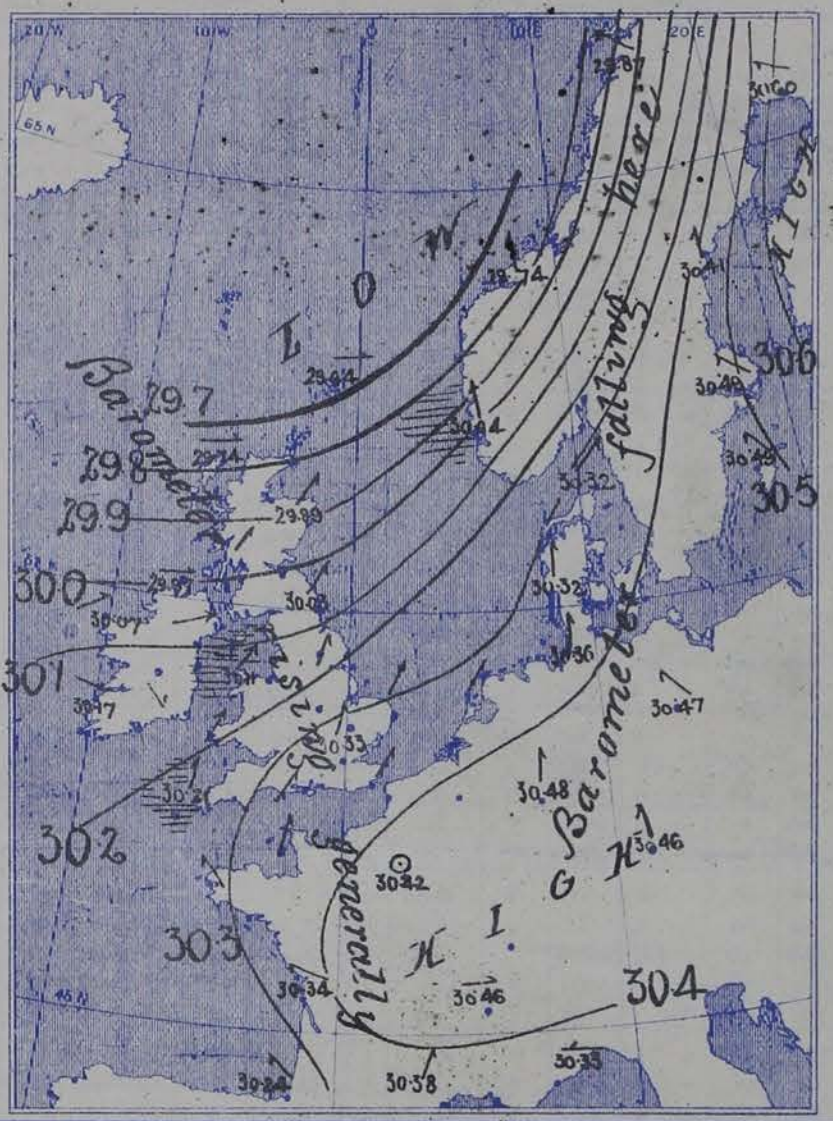
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▩

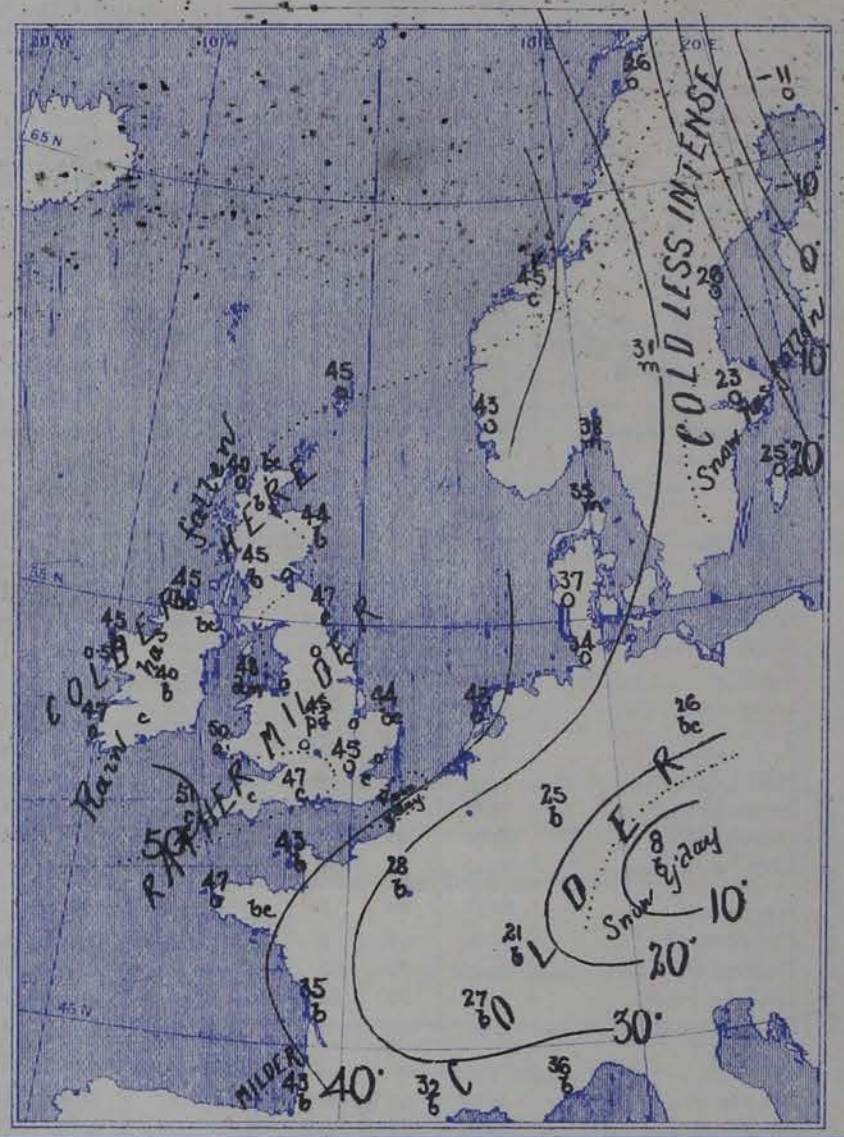


TEMPERATURE & WEATHER.

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.


20 W
10 W
0
10 E
20 E
65 N
55 N
45 N
COLDER
COLDER
COLDER

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.60 ins. at Haparanda, 30.4 ins. and upwards over nearly the whole of Sweden, the Baltic, Germany and central France.
Lowest 29.7 ins. and less in a depression lying to the northward of our islands.
Gradients steep over the W.rn and N.rn parts of Scandinavia, but moderate or slight elsewhere.
Barometer rising in most parts of our islands and France, but falling in Scandinavia Denmark & Germany

TEMPERATURE

Highest 51° at Scilly, 50° at Pembroke, 48° at Holyhead and Liverpool, and 47° at Shields, Valencia (Ireland), Rocket Pt, Prawle Pt, Hurst Castle and Brest.
Lowest (1) = 11° F. at Haparanda, and + 23° at Stockholm; (2) 8° at Munich, 21° at Belfort, & 24° at Berlin.
During yesterday the thermometer rose to 50° or slightly above it in many parts of our islands, and to 54° at Leith, Shields and Loughborough.

WIND

Light to moderate from the W.rd in Ireland, and also in the Shetlands and Hebrides, but from the SW.rd over Gt. Britain as a whole.
S.th or SE.th at most of the Continental stations, and strong in force at Bodo and Skudesnaes; variable over the central and southern parts of France.
A fresh gale from the SW.rd was experienced last night in the northwest of Ireland, and also in the east of Scotland.

WEATHER

Cloudy or dull over England, the Netherlands, Denmark and Scandinavia, with drizzling rain at Loughborough and Holyhead.
Fine in Ireland and Scotland, and also in France and Germany.
Considerable quantities of rain fell yesterday at Stornoway and Belmullet, and slight amounts in many other parts of our islands. Snow occurred at several of the Scandinavian stations.

SEA

Rather rough at Holyhead and Scilly, and also at Skudesnaes, but moderate to smooth elsewhere

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which appeared off our NW. coasts yesterday is travelling away to the N.rd. There are at present no signs of the advance of any new disturbance, but the conditions in the west are not at all settled.

FORECASTS

For the 24 hours ending at NOON on 12TH FEBRUARY 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	W.th and SW.th winds moderate or fresh; fair at first, some showers later
1	SCOTLAND EAST	
2	ENGLAND N.E.	SW.th winds light or moderate; cloudy, local showers.
3	ENGLAND EAST	S.th and SW.th winds, light; cloudy, slight rain locally.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos. 0 and 1.
7	ENGLAND N.W.	SW.th to W.th or NW.th winds; cloudy, slight rain locally.
8	ENGLAND S.W.	
9	IRELAND NORTH	W.th winds, backing later; fair at first, then cloudy, with some rain.
10	IRELAND SOUTH	
	WARNINGS	At 3.45 pm yesterday to district 10, and at 7.20 pm to district 7. Hoist South Cone. The signals have all been lowered this morning.

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 ...	30·18	42	41	SSE	6	uf	4
Sumburgh Head	29·84	46	45	SSE	2	c	4
Stornoway	29·74	46	44	SW	4	o	4
Aberdeen	29·93	47	46	S	2	og	3
Shields	30·08	51	49	SSW	3	c	2
Ardrossan.... ...	29·97	48	48	SSE	4	o	4
Malin Head ...	29·82	50	49	SSW	5	c	3
Belmullet	29·84	49	48	SSW	4	r	*
Holyhead	30·14	50	48	SSW	5	c	4

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·01	51	48	S	6	og	6
Scilly	30·25	51	48	SSW	4	o	3
Jersey	30·38	49	45	SSW	4	o	3
Hurst Castle ...	30·32	50	48	SW	3	cp	3
Dungeness ...	30·33	48	46	WSW	3	c	2
North Foreland	30·33	49	45	SW	2	c	1
London (Westminster)	30·31	51	45	SW	2	o	*
Yarmouth ...	30·25	48	45	WSW	3	be	3
Rochefort ...	30·41	53	48	E	3	b	*

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

Weather in morning cloudy or dull over our islands and the N^rn, E^rn and central parts of the Continents generally; showers reported at several of our own W^rn stations, and snow at Bodö, St. Petersburg, Kiev, Nicolaieff and Munich. Fine over France, the Spanish peninsula and N^rn Italy, as well as in Finland and Lapland. Considerable quantities of rain falling later on our extreme NW. coast, and smaller amounts in many other parts of our islands; snow falling at several of the Scandinavian stations.

Temperature rises in our islands and also in Scandinavia, Denmark and N^rn Russia, but falls elsewhere. Morning readings highest 53° at Algiers and La Calle, and 52° at San Fernando; above 45° at most of our own western and northern stations, and touching 50° at Valencia (Ireland). Lowest −28° F. at Haparanda, −14° at Ulealborg, and −8° at Archangel; considerably below the freezing point over Sweden and Russia generally, and several degrees below it over S. Germany and central France. Rising later to 50° and upwards in most parts of the United Kingdom, and to 54° at Leith and Shields. Reaching 55° at Lorient and Nice, 57° at Perpignan, and 59° at Lisbon.

Wind light to moderate from the S^nd or SW^nd over the greater part of our islands, but W^rly in the Shetlands and Hebrides; S^rly or SE^rly on the eastern shores of the North Sea, with a gale at Skudesnaes, N^rly or NE^rly over Sweden, Russia, E^rn Germany, Austria and Italy, – strong in force at several of the Italian stations. Light from the E^nd over the Bay of Biscay and the western and southern parts of the Spanish peninsula. Subsequently increasing to a fresh gale from the SW^nd in the northwest of Ireland, and also in the east of Scotland.

Barometer highest 30·6 ins. and upwards over the extreme N. of Russia, 30·4 ins. and upwards in a broad band stretching thence across Sweden, the Baltic and Germany to central France, and also in a separate area over the central and southern parts of Spain. Lowest 29·7 ins. and less in a large area lying over SE^rn Europe; 29·8 ins. and less in a depression passing away to the N. of our islands. New disturbance appearing later off our extreme NW. coasts, barometer falling rather quickly in that region.

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 12th February, 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 ...	30·41	4	S	4	s	30·25	− ·35	8	8	+ 19	SSE	4	s	*	s	*	8	−29	0·08
	Hernösand ...	30·23	29	S	8	s	30·12	− ·29	30	29	+ 4	S	2	o	*	s	*	30	18	0·12
	Stockholm ...	30·43	27	L	0	o	30·32	− ·17	30	29	+ 7	SSE	2	s	*	o	*	30	18	—
	Wisby	30·47	19	SE	4	b	30·41	− ·08	26	25	+ 1	S	4	c	*	b	*	27	18	—
	Karlstad ...	30·28	32	SE	2	s	30·19	− ·17	33	33	+ 2	S	2	f	*	s	*	*	*	0·04
	Bodö	29·80	32	E	4	o	29·77	− ·10	40	37	+ 14	SSE	4	bc	2	o	*	40	25	—
	Christiansund ...	29·89	43	SW	1	c	29·82	+ ·08	41	38	− 4	WSW	2	bc	4	c	*	50	39	—
	Skudesnaes ...	30·09	44	S	2	c	30·10	+ ·06	44	43	+ 1	S	6	o	4	c	*	44	37	*
	Færder (Christiania Fjord)	30·18	39	SSE	4	f	30·11	− ·15	40	40	+ 2	SW	1	f	3	f	*	40	37	0·08
	Skagen (The Scaw)	30·24	37	S	3	o	30·19	− ·13	37	37	+ 2	SW	2	f	0	a	*	37	28	0·08
	Fanö	30·25	41	SSW	2	r	30·26	− ·06	41	41	+ 4	SSW	2	f	*	r	*	41	37	0·08
	Sumburgh Head	29·85	43	SW	4	o	29·67	+ ·03	45	43	0	SW	4	o	4	c,o	*	46	41	0·04
	Stornoway ...	29·85	42	WSW	4	o	29·53	− ·21	46	45	+ 6	SW	6	rq	6	o	2·1	46	38	0·38
	Wick	29·93	43	W	2	o	29·65	− ·14	46	44	+ 4	SW	4	o	1	o,2	*	46	40	—
	Nairn	29·98	43	SW	2	c	29·74	− ·08	48	44	+ 7	SW	4	c	2	c	*	48	39	0·01
	Aberdeen ...	30·05	44	SSW	2	bc	29·90	+ ·01	44	42	0	S	6	ogq	4	bc	5·7	51	41	—
	Leith	30·11	45	W	2	bc	29·98	+ ·01	47	43	+ 2	SW	3	o	*	bc	*	51	43	—
	Shields	30·19	46	WSW	2	bm	30·13	+ ·10	41	40	− 6	SSW	3	o	2	c,bm	*	53	38	—
	Spurn Head ...	30·33	45	SW	3	o	30·26	+ ·08	40	39	− 4	SW	2	cw	3	o,r,ow	*	48	38	0·02
	York	30·22	47	WNW	1	c	30·21	+ ·06	37	36	− 8	SSE	1	o	*	o,c	0·0	50	35	—
	Loughborough ...	30·25	48	S	2	o	30·31	+ ·08	32	32	− 13	SE	1	fw	*	c,o,f	*	51	31	0·01
BRITISH ISLANDS.	Ardrossan ...	30·14	46	SW	4	b	29·95	− ·05	46	46	+ 1	S	7	ow	5	b	*	48	44	—
	Malin Head ...	30·09	45	SSW	6	cp	29·78	− ·19	45	45	0	SSW	7	owg	5	bc,ep	*	47	43	0·03
	Belmullet ...	30·22	48	WSW	4	c	29·87	− ·20	50	47	+ 5	SW	9	o	*	b,c	*	50	43	0·01
	Donaghadee ...	30·21	48	WSW	4	c	30·07	+ ·01	44	42	+ 2	SW	5	c	3	c	*	51	40	—
	Liverpool (Bidston)	30·27	44	WSW	2	b	30·24	+ ·10	41	38	− 7	S	3	b	1	p,b	*	49	38	0·01
	Holyhead ...	30·27	45	SW	1	bc	30·22	+ ·11	47	45	− 1	SW	3	c	2	bc	*	48	43	0·06
	Parsonstown ...	30·27	45	L	0	b	30·10	− ·03	46	43	+ 6	SE	1	o	*	b	5·4	51	36	—
	Valencia ...	30·32	47	WSW	2	c	30·15	− ·02	50	46	+ 3	S	6	og	5	bv,c	7·0	51	45	—
	Roche's Point ..	30·30	49	W	2	c	30·23	+ ·09	49	46	+ 2	SW	4	o	3	c	*	52	42	—
	Pembroke (St. Ann's Hd.)	30·29	47	N	3	bc	30·28	+ ·09	47	45	− 3	WSW	4	o	4	bc	0·0	50	44	0·04
	Scilly	30·29	50	SW	3	m	30·30	+ ·09	48	47	− 3	SW	3	o	4	c,m	1·3	56	46	0·08
	Prawle Point ...	30·34	48	SSW	3	c	30·37	+ ·08	48	47	+ 1	SW	3	c	3	c	*	49	46	—
	Jersey (St. Aubin's)	30·38	45	SSE	1	bm	30·42	+ ·05	38	38	− 5	SSW	2	befw	2	b,bmw	*	50	36	—
	Hurst Castle ...	30·34	48	WSW	1	ow	30·36	+ ·04	48	47	+ 1	SW	3	o	3	c,ow	*	51	41	—
	Dungeness ...	30·36	46	SSW	3	c	30·37	+ ·03	47	46	+ 1	SW	3	o	2	b,c	*	50	45	—
	North Foreland	30·37	45	SSW	3	c	30·38	+ ·04	45	44	0	SSW	2	o	2	c,o	*	50	43	—
	London (Brixton) ...	30·35	45	SSW	2	c	30·35	+ ·02	45	44	0	SSW	1	cw	*	o,c,op	0·0	50	43	—
	Oxford	30·33	47	S	2	o	30·33	+ ·05	46	45	+ 1	SW	2	o	*	o,d	*	50	45	—
	Cambridge ...	30·31	47	SW	2	o	30·33	+ ·03	45	45	+ 1	SW	1	o	*	o	1·5	51	42	—
	Yarmouth ...	30·27	46	SW	3	c	30·30	+ ·03	46	45	+ 2	WSW	2	bef	3	c	*	48	43	—
GERMANY & HOLLAND.	Cuxhaven ...	30·33	37	SW	1	o	30·31	− ·05	39	39	+ 5	SW	3	o	*	o	*	49	34	0·04
	Berlin	30·41	32	S	2	c	30·42	− ·05	31	30	+ 5	SE	2	o	*	c	*	34	26	—
	Wiesbaden ...	*	*	*	*	*	30·45	− ·03	32	32	+ 7	S	2	o	*	*	*	37	25	—
	Munich	30·42	25	W	2	o	30·44	− ·02	25	24	+ 17	L	0	o	*	o	*	25	8	—
	The Helder ...	30·32	43	SW	2	o	30·31	− ·01	43	43	0	SW	1	f	1	o	*	46	43	0·04
FRANCE & BELGIUM.	Brussels ...	*	*	*	*	*	30·45	+ ·02	37	36	− 1	SE	1	o	*	b	*	48	36	—
	Cape Gris Nez ...	30·32	45	SSW	1	o	30·31	+ ·01	43	41	− 2	SW	3	m	2	o	*	48	39	—
	Paris	30·43	39	SE	1	b	30·46	+ ·04	25	25	− 3	L	0	m	*	b	*	46	25	—
	Brest	30·36	50	SSW	1	o	30·39	+ ·11	46	44	− 1	ESE	2	b	2	o	*	50	43	—
	Lorient	30·36	46	L	0	o	30·42	+ ·10	43	42	+ 2	E	2	b	3	o	*	55	39	—
	Rochefort ...	30·36	48	E	2	bc	30·43	+ ·09	36	35	+ 1	E	2	b	*	bc	*	55	32	—
	Belfort	30·43	31	NE	1	b	30·47	+ ·01	21	19	0	NE	1	m	*	b	*	38	20	—
	Lyons	30·43	36	N	1	b	30·47	+ ·01	27	27	0	N	1	b	*	b	*	41	26	—
	Nice	30·21	45	E	1	b	30·27	− ·06	37	33	+ 1	E	1	b	2	b	*	52	36	—
	Perpignan ...	30·33	42	S	1	b	30·29	− ·09	50	43	+ 18	NW	3	o	*	b	*	54	32	—
	Biarritz ...	30·29	53	W	3	c	30·36	+ ·12	48	47	+ 5	SSW	3	o	4	c	*	55	43	—
PENINSULA.	Corunna ...																*			
	Lisbon	30·36	55	NNE	3	b	30·36	+ ·03	48	43	+ 2	NNE	3	b	*	b	*	61	46	—
	Azores (P. Delgada)	30·49	55	NNE	3	b	30·49	+ ·11	55	50	0	NNW	2	o	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 1·4 hrs;

WEATHER CHARTS

FOR SATURDAY, 12TH FEBRUARY, 1898

BAROMETER, WIND AND SEA.

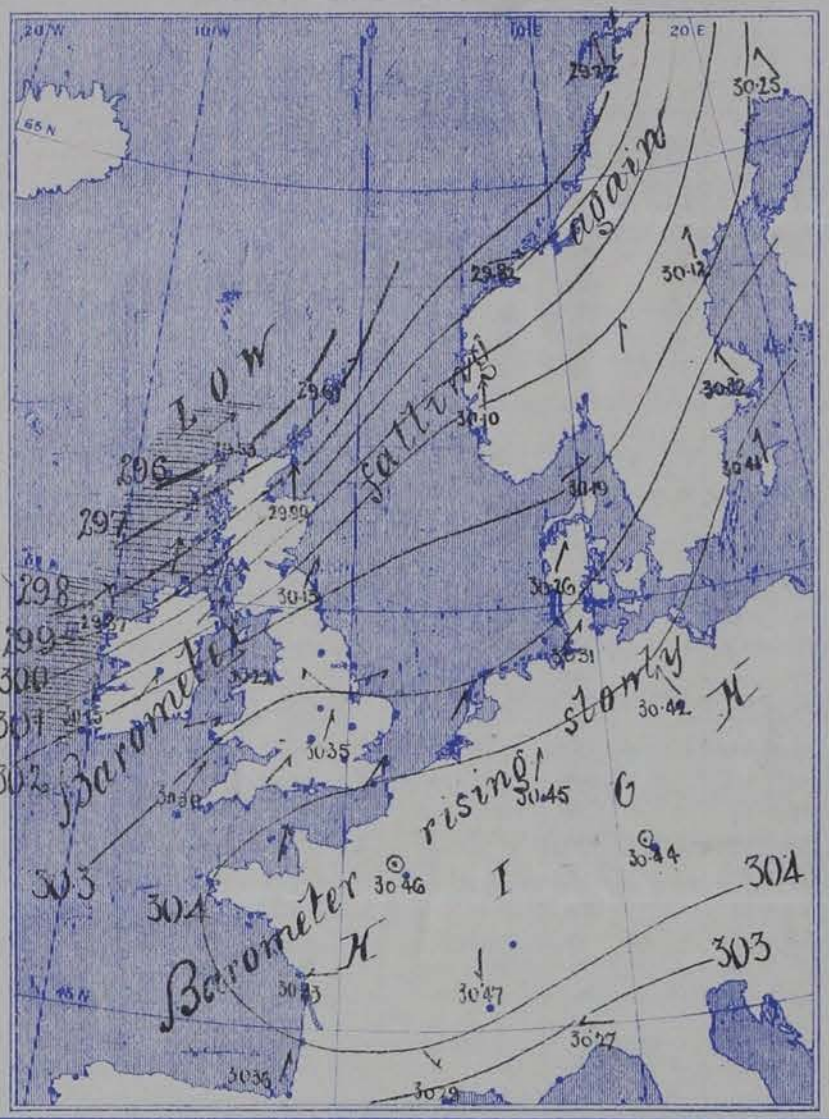
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▩

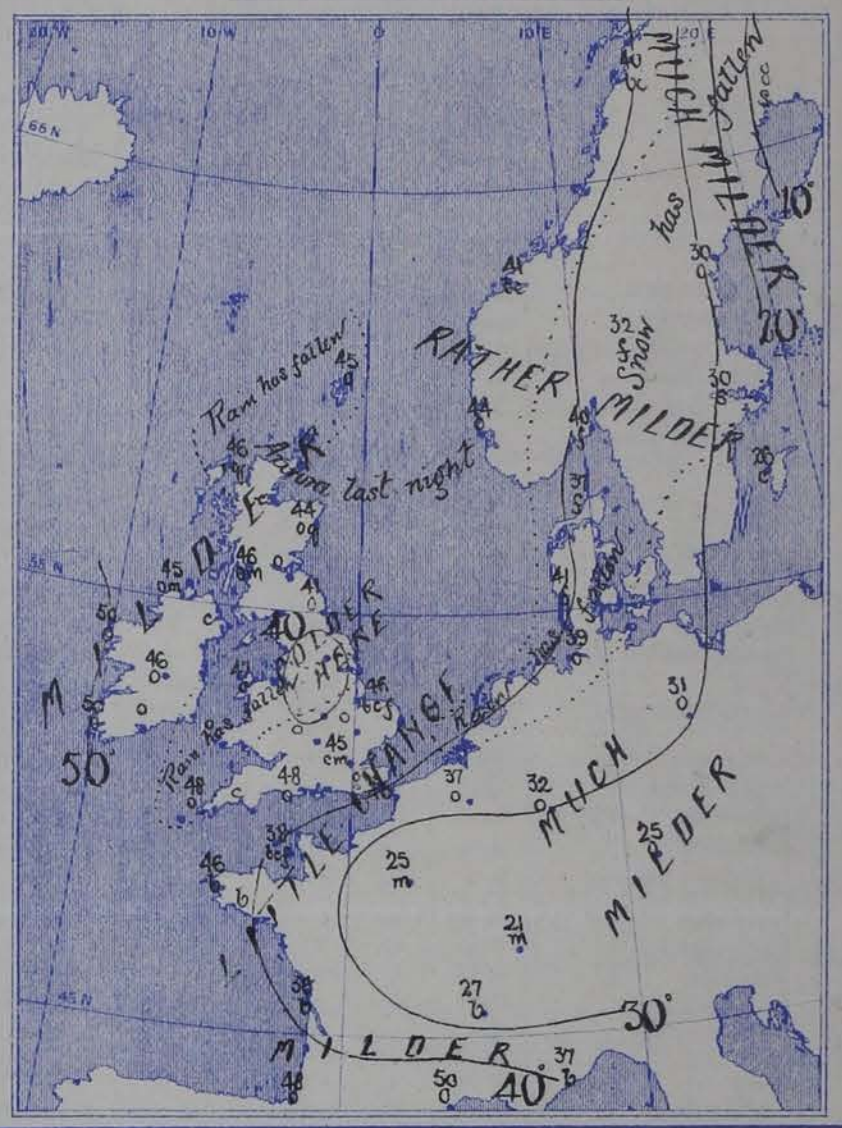


TEMPERATURE & WEATHER.

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 FEBRUARY.*

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	29·772	38·6	37·2	42·2	34·4	51	1887, 91	17	1895	3·11	—	—
Stornoway	29·775	38·9	38·0	43·6	34·2	55	1891	12	1892	3·80	63·6	25
Wick	29·800	37·7	36·4	42·9	32·9	59	1878	2	1895	2·16	—	—
Nairn	29·815	36·7	35·1	43·4	32·5	64	1891	0	1895	1·65	—	—
Aberdeen	29·853	36·9	35·2	43·1	33·3	59	1878, 83	6	1895	2·26	73·4	28
Leith	29·873	38·1	36·7	45·5	33·9	59	1882	12	1895	1·51	—	—
Shields	29·908	38·3	36·9	43·9	34·4	59	1887	7	1895	1·50	—	—
Spurn Head	29·938	38·1	37·2	42·2	35·4	57*	1891	20*	1895	1·32	—	—
York	29·945	37·0	36·0	44·4	33·2	59	1872, 78	3	1895	1·68	60·0	22
Loughborough	29·972	36·7	35·5	45·2	33·0	64*	1891	−5*	1895	1·71	—	—
Ardrossan	29·880	39·2	38·0	44·4	35·9	56	1891	13	1895	2·93	—	—
Malin Head	29·844	41·0	39·5	45·5	38·3	—	—	—	—	—	—	—
Belmullet	29·870	42·3	40·7	47·2	38·8	—	—	—	—	4·20	—	—
Donaghadee	29·894	40·0	39·1	45·5	36·6	56	1894	16	1895	2·34	—	—
Holyhead	29·923	41·1	39·8	45·4	38·3	59	1891	17	1895	2·42	—	—
Liverpool	29·943	38·5	37·0	44·3	35·7	62	1878	12	1895	1·68	—	—
Parsonstown	29·915	39·1	37·8	46·8	35·1	59	1891	6	1895	2·16	68·0	25
Valencia	29·917	44·3	42·6	49·5	40·3	58	1891	22	1895	4·89	72·9	27
Roche's Point	29·927	43·0	41·4	48·2	39·4	56	1877, 89	25	1895	4·19	—	—
Pembroke	29·948	41·8	40·5	45·3	39·0	52	1877, 91	23	1895	2·62	79·9	29
Scilly	29·964	45·7	44·1	48·6	42·4	56	1877	27	1895	2·62	—	—
Prawle Point	29·996	41·2	40·2	46·6	37·8	57*	1891	21*	1888, 92, 95	1·94	—	—
Jersey	30·016	42·0	40·6	46·8	38·8	62	1891	18	1895	2·41	95·0	34
Hurst Castle	29·996	39·8	38·8	45·4	36·3	60	1877	17	1895	2·10	—	—
Dover	29·990	38·8	37·7	44·2	35·5	56	1882	11	1889	1·81	—	—
LONDON	29·996	38·1	36·8	45·5	34·5	62	1876, 91	10	1895	1·54	33·0†	12†
Oxford	29·994	37·3	36·1	44·9	34·2	64	1891	7	1895	1·76	66·3	24
Cambridge	29·987	36·7	35·7	45·5	32·1	67	1891	6	1895	1·42	70·5	26
Yarmouth	29·967	37·8	36·9	42·3	34·0	58	1872	15	1895	1·73	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.4 ins. and upwards in an anticyclone covering the greater part of France, Germany & the Baltic.
Lowest 29.6 ins. and less in a depression lying off the northwest of Scotland.
Gradients steep over the northern parts of our islands and the North Sea, but moderate to slight elsewhere.
Barometer falling briskly in the west and north of our Islands, and to a less extent in Scandinavia and Denmark; steady or inclined to rise elsewhere.

TEMPERATURE

Highest (1) 50° at Belmullet and Valencia (Ireland), and 49° at Rochés Pt. (2) 50° at Perpignan and 48° at Biarritz and Lisbon.
Lowest (1) 8° at Haparanda; (2) 21° at Belfort, and 25° at Paris and Munich; (3) 32° at Loughborough & 37° at Yarmouth.
During yesterday the thermometer rose to 50° or slightly above it in most parts of our islands, and to 56° at Scilly. Frost occurred over central England at night.

WIND

S. by W. or SW. by W. over northwestern Europe generally, and strong in force on many parts of the Irish and Scotch coasts, with a gale at Belmullet.
Light from the E. by N. in the west and south of France, calm or variable over S. Germany & central France.

WEATHER

Fine in France, and also in the W. of Norway, but cloudy or dull in nearly all other parts of our area, with fog at some of the English stations, and also in Holland, Denmark and the S. of Norway. Rain falling at Stornoway, and snow at Haparanda.
Since yesterday morning slight rain has fallen in several parts of the United Kingdom — mostly in the W. and N. Aurora was seen last night in the NE. of Scotland, and also at Skudesnes.

SEA

Rough at Stornoway, and rather rough at Ardrossan, Malin Hd. and Valencia (Ireland), but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the NW. of Scotland seems likely to occasion a further increase of wind on many parts of our N. and NW. coasts. Over the SE. parts of the Kingdom, however, the weather will probably remain fair and quiet.

FORECASTS

For the 24 hours ending at NOON on 13TH. FEBRUARY 1898

DISTRICTS.		FORECASTS.
▲ 0	SCOTLAND NORTH	S. by W. and SW. by W. winds, increasing to a gale, squally, some rain.
▲ 1	SCOTLAND EAST	
2	ENGLAND N.E.	SW. by W. winds freshening, changeable, some showers.
3	ENGLAND EAST	SW. by W. winds, light or moderate, fair generally, but perhaps local showers.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
▲ 6	SCOTLAND WEST	Same as Nos. 0 and 1.
▲ 7	ENGLAND N.W.	SW. by W. winds, increasing in force, squally, some showers.
8	ENGLAND S.W.	S. by W. and SW. by W. winds, moderate or fresh, cloudy, local showers.
▲ 9	IRELAND NORTH	S. by W. and SW. by W. gales and strong winds, squally, some rain.
▲ 10	IRELAND SOUTH	
	WARNINGS	At 10 am. today to districts 0, 1, 6, 7, 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 ...	30·06	43	43	S	8	r	5
Sumburgh Head	29·79	43	40	SW	5	c	4
Stornoway	29·85	43	41	W	4	o	4
Aberdeen	30·00	50	43	SW	3	bc	3
Shields	30·12	51	48	WSW	3	c	2
Ardrossan	30·10	47	46	SW	4	b	3
Malin Head ...	30·05	47	45	SW	4	bc	3
Belmullet	30·14	48	44	WSW	3	b	*
Holyhead	30·10	48	47	NW	2	bc	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·27	49	46	W	3	bv	4
Scilly	30·27	54	51	SW	3	c	4
Jersey	30·38	48	44	SE	3	b	3
Hurst Castle ...	30·24	49	46	SW	4	c	3
Dungeness ...	30·34	49	46	SSW	3	b	2
North Foreland	30·36	48	44	S	3	c	2
London (Westminster)	30·32	51	45	SSW	3	o	*
Yarmouth ...	30·26	48	44	SW	3	c	3
Rochefort ...	30·39	52	46	E	2	bc	*

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

Weather in morning fine in Ireland and Scotland and also over France, W^rn. Germany and the greater part of S^rn. Europe. Cloudy or dull elsewhere, with mist in Denmark and the S. of Scandinavia, and with snow at Kuopio, Moscow, Kiev, Breslau and Cracow. Showers falling later in several parts of our islands, – mostly in the west and north, snow reported in Sweden. Aurora seen in the N.E. of Scotland, and also at Skudesnaes.

Temperature fallen a little in the W. and N. of our Islands, and also in France, Germany, Austria and the S. of Russia; risen elsewhere, – quickly over Sweden and the Gulf of Bothnia. Morning readings highest (1) 53° at La Calle, 51° at Algiers, and 50° at Barcelona and Malta; (2) 51° at Scilly, and 50° at Penbroke (above 45° over the southern parts of our islands generally). Lowest -13° F. at Ulleaborg, -11° at Haparanda, and -3° at Kuopio; below the freezing point over nearly the whole of N^rn. E^rn. and central Europe. Rising during day to 50° and upwards in most parts of the United Kingdom, and to 56° at Scilly. Reaching 55° on the W. coasts of France, and 61° at Lisbon.

Wind light to moderate from the W^nd. in Ireland and also in the Shellands and Hebrides, but from the SW^st. over Gt. Britain as a whole; S. ¾ or SE. ¾ over Scandinavia, Denmark and north Germany, and strong in force at Bodo and Skudesnaes. Light from the E^nd. or NE^nd. over northern and central Russia, and from the NW^nd. over Poland, Austria and the S. of Russia. N. ¾ or NE. ¾ over Italy and the Spanish peninsula, E. ¾ in the west and south of France. Subsequently backing to the SW^nd. in the north of Ireland; no important change occurring elsewhere.

Barometer highest 30.88 ins. at Archangel, 30.6 ins. and upwards in the extreme N. of Russia generally, 30.4 ins. and upwards in a band extending thence over Sweden, the Baltic, Germany and central France. Lowest 29.7 ins. and less in a depression lying to the N^nd. of our Islands, 29.8 ins. and less in another disturbance over the S. of Russia. New depression beginning to approach our N. and NW. coasts at night.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

DAILY WEATHER REPORT

for 8 a.m. on SUNDAY, FEBRUARY 13TH 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 ...	30·07	19	SSW	2	0	29·74	−·51	23	23	+15	S	4	c	*	0	*	23	0	0.08
	Hernösand ...	29·97	32	S	8	0	29·65	−·47	34	31	+4	S	6	+	*	0	*	34	27	—
	Stockholm ...	30·20	34	S	2	0	29·95	−·37	35	34	+5	S	4	c	*	0	*	35	25	0.08
	Wisby	30·29	33	SSW	4	0	30·08	−·33	35	35	+9	S	4	f	*	0	*	35	16	—
	Karlstad ...	30·06	35	S	2	+	29·76	−·43	37	36	+4	S	4	f	*	+	*	*	*	0.04
	Bodö	29·41	39	S	6	0	29·26	−·51	38	35	−2	SSW	8	m	5	0	*	41	36	0.32
	Christiansund ...	29·26	50	SSW	8	0	29·35	−·47	39	35	−2	WSW	4	bc	5	0.l	*	50	36	0.24
	Skudesnaes ...	29·78	44	S	10	0	29·79	−·31	41	39	−3	W	4	c	5	0	*	42	34	*
	Færder (Christiania Fjord)	29·96	41	SSW	4	m	29·68	−·43	41	40	+1	SSW	6	c	4	m	*	41	34	—
	Skagen (The Scaw)	30·04	38	WSW	3	f	29·82	−·37	42	41	+5	W	5	+	1	f	*	42	36	0.04
	Fanö	30·10	41	SSW	4	fm	29·98	−·28	42	41	+1	SSW	4	+	*	fm	*	42	39	—
	Sumburgh Head	29·29	43	W	5	+	29·34	−·13	38	36	−7	W	4	0	6	0.+	*	46	36	0.21
	Stornoway ...	29·46	38	W	5	0	29·65	+·12	38	36	−8	W	4	0	4	+.0	0.0	47	33	0.70
	Wick	29·43	39	WNW	4	c	29·68	+·03	35	34	−11	W	5	0	3	c	*	50	32	—
	Nairn	29·35	40	W	4	+	29·76	+·02	36	35	−12	W	2	+	2	+	*	51	33	0.28
	Aberdeen ...	29·35	48	SSW	8	ogq	29·83	−·07	35	33	−9	SSW	3	bc	3	ogtg.ogq	0.0	49	33	—
British Islands	Leith	29·59	48	WSW	5	+	29·91	−·07	39	37	−8	SW	3	bc	*	+ .	*	49	31	0.14
	Shields	29·86	48	SSW	4	0	30·03	−·10	36	34	−5	WSW	2	m	2	0.f	*	49	34	—
	Spurn Head ...	30·05	47	SW	4	c	30·07	−·19	40	38	0	W	3	c	3	c.+	*	49	40	—
	York	30·01	47	SSW	3	0	30·09	−·12	36	35	−1	WNW	1	b	*	c.0	0.3	48	35	—
	Loughborough ...	30·09	49	SW	5	0	30·12	−·19	38	37	+6	W	1	bc	*	c.oq.fc	*	51	32	0.06
	Ardrossan ...	29·71	45	SW	4	+	29·93	−·02	42	41	−4	SW	5	0	4	0.+	*	47	40	0.12
	Malin Head ...	29·74	40	WSW	6	+	29·88	+·10	40	40	−5	SSW	6	0m	6	+.q	*	49	38	0.27
	Belmullet ...	29·89	42	WNW	6	o.f	30·01	+·14	43	41	−7	WSW	5	c	*	0m.of	*	50	39	0.41
	Donaghadee ...	29·76	48	WSW	7	+	30·04	−·03	35	34	−9	WSW	5	c	3	+	*	49	33	0.11
	Liverpool (Bidston)	30·02	47	SSW	6	0	30·11	−·13	38	36	−3	WSW	2	b	2	c.qf	*	48	38	0.18
	Holyhead ...	29·97	49	SW	8	oq	30·13	−·09	40	38	−7	WSW	3	c	3	oqm.oq	*	49	38	0.15
	Parsonstown ...	29·89	49	SW	2	d	30·12	+·02	38	36	−8	S	1	bc	*	o.d.+	0.0	50	33	0.22
	Valencia ...	30·02	46	WNW	6	tm	30·19	+·04	46	41	−4	WSW	5	0	5	o.+m	0.0	51	41	0.23
	Roche's Point ..	30·00	50	WSW	5	+	30·20	−·03	42	40	−7	WNW	2	c	3	c.+.f	*	52	40	0.12
	Pembroke (St. Ann's Hd.)	30·11	48	WSW	5	+	30·18	−·10	43	40	−4	NW	4	bc	4	+	0.0	48	40	1.03
	Scilly	30·21	48	W	5	o.fm	30·21	−·09	46	45	−2	NNW	4	0m	4	0.ofm	0.3	51	44	0.11
	Prawle Point ...	30·25	49	SW	5	c	30·14	−·23	47	47	−1	WNW	3	c.f	3	c.m	*	52	45	0.21
	Jersey (St. Anbin's)	30·35	48	SSE	3	b	30·23	−·19	48	47	+10	SW	4	0	3	bc.b.q	*	55	37	—
	Hurst Castle ...	30·27	49	SW	4	0	30·13	−·23	48	47	0	SW	4	tm	3	c.0	*	51	47	0.04
	Dungeness ...	30·29	46	SW	4	bc	30·13	−·24	47	47	0	SW	4	o.f	3	bc	*	51	46	—
	North Foreland	30·30	45	SSW	2	c	30·13	−·25	46	45	+1	SSW	4	0	2	c	*	50	43	—
	London (Brixton) ...	30·24	47	SSW	2	0	30·15	−·20	48	44	0	SSW	3	o+	*	0	0.0	52	45	0.07
	Oxford	30·16	48	S	3	+	30·13	−·20	41	41	−5	NNW	3	f	*	d.f	*	52	41	0.07
	Cambridge ...	30·17	50	SSW	5	oq	30·11	−·22	42	42	−3	N	1	+	*	oq	0.0	53	41	0.10
	Yarmouth ...	30·16	48	SW	4	c	30·06	−·24	44	43	−2	WNW	2	+	3	bc.c	*	50	48	0.03
Germany & Holland	Cuxhaven ...	30·27	43	SW	4	m	30·11	−·20	38	38	−1	SSW	5	0	*	m	*	43	37	—
	Berlin	30·39	35	SW	1	0	30·29	−·13	34	33	+3	SW	2	c	*	0	*	36	31	—
	Wiesbaden ...	*	*	*	*	*									*	*	*			
	Munich... ..	30·43	24	SW	2	b	30·36	−·08	21	20	−4	S	3	c	*	b	*	36	14	—
	The Helder ...	30·24	43	SW	3	c	30·08	−·23	42	41	−1	SW	3	0	2	c.	*	45	42	—
Belgium. France &	Brussels ...	*	*	*	*	*	30·25	−·20	36	33	−1	SSW	2	0	*	b	*	48	33	—
	Cape Gris Nez...	30·25	46	WSW	3	c	30·10	−·21	46	45	+3	SW	4	0	4	c	*	48	41	—
	Paris	30·29	39	ENE	1	b	30·30	−·16	30	29	+5	SE	2	bc	*	b	*	48	25	—
	Brest	30·34	50	SSW	2	bc	30·23	−·16	53	44	+4	SW	3	0	3	bc	*	54	43	0.04
	Lorient... ...	30·38	48	SSW	2	b	30·30	−·12	50	49	+7	W	4	0	4	b	*	54	41	0.35
	Rochefort ...	30·40	48	NW	2	b	30·39	−·04	38	37	+2	E	1	m	*	b	*	50	36	—
	Belfort	30·41	34	NE	4	b	30·41	−·06	23	2·20	+2	W	2	m	*	b	*	40	21	—
	Lyons	30·42	39	NNW	1	b	30·42	−·05	28	27	+1	NNW	1	b	*	b	*	44	26	—
	Nice	30·29	45	calm	0	b	30·38	+·11	40	36	+3	E	1	c	1	b	*	52	37	—
	Perpignan ...	30·30	53	NW	3	b	30·39	+·10	37	35	−13	SW	2	b	*	b	*	63	34	—
	Biarritz ...	30·36	52	NE	2	b	30·38	−·03	48	45	0	SSW	3	bc	4	b	*	57	45	—
Peninsula.	Corunna ...																*			
	Lisbon	30·33	54	NNE	4	b	30·36	0·0	50	49	+2	ENE	3	b	*	b	*	63	48	—
	Azores (P. Delgada)	30·24	57	calm	0	bc	30·32	+·03	56	52	+1	NNE	2	0	1	bc	*	64	53	—

For Explanation of Columns, see bottom of last page.

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

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

Bright Sunshine yesterday Southport 2·0 hrs;

WEATHER CHARTS

FOR SUNDAY, 13TH FEBRUARY, 1898

BAROMETER, WIND AND SEA.

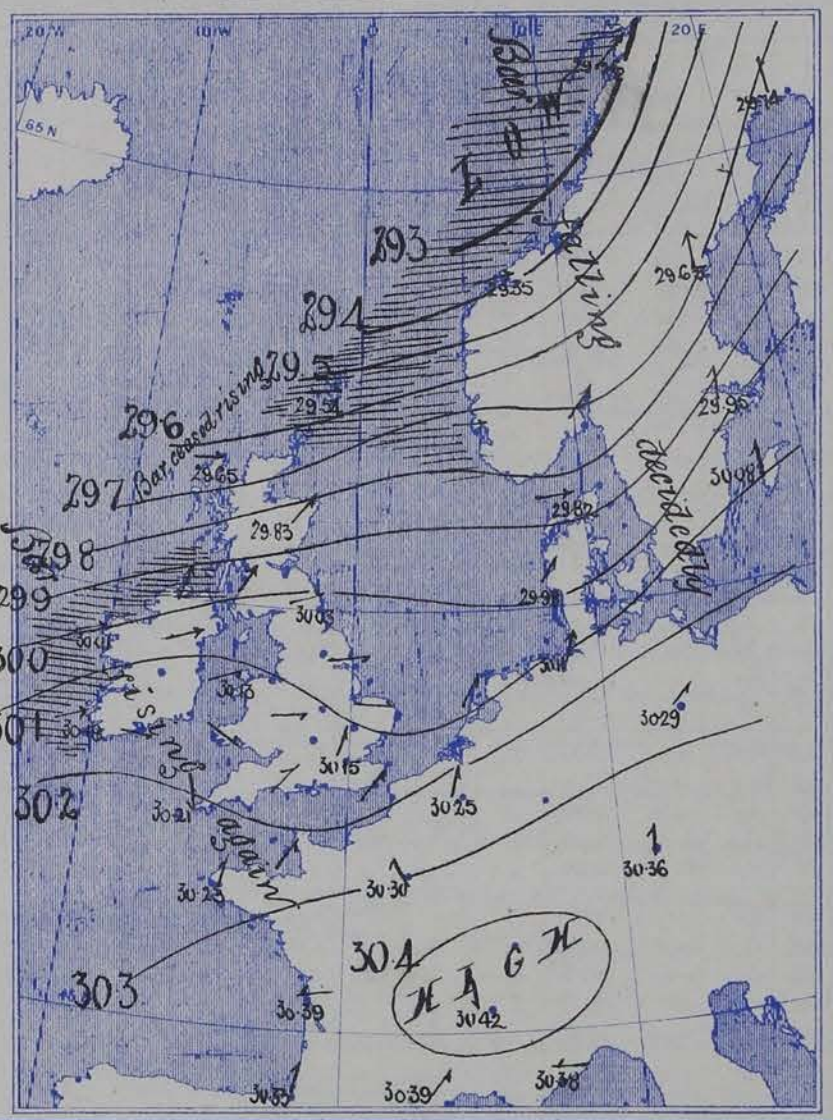
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▩

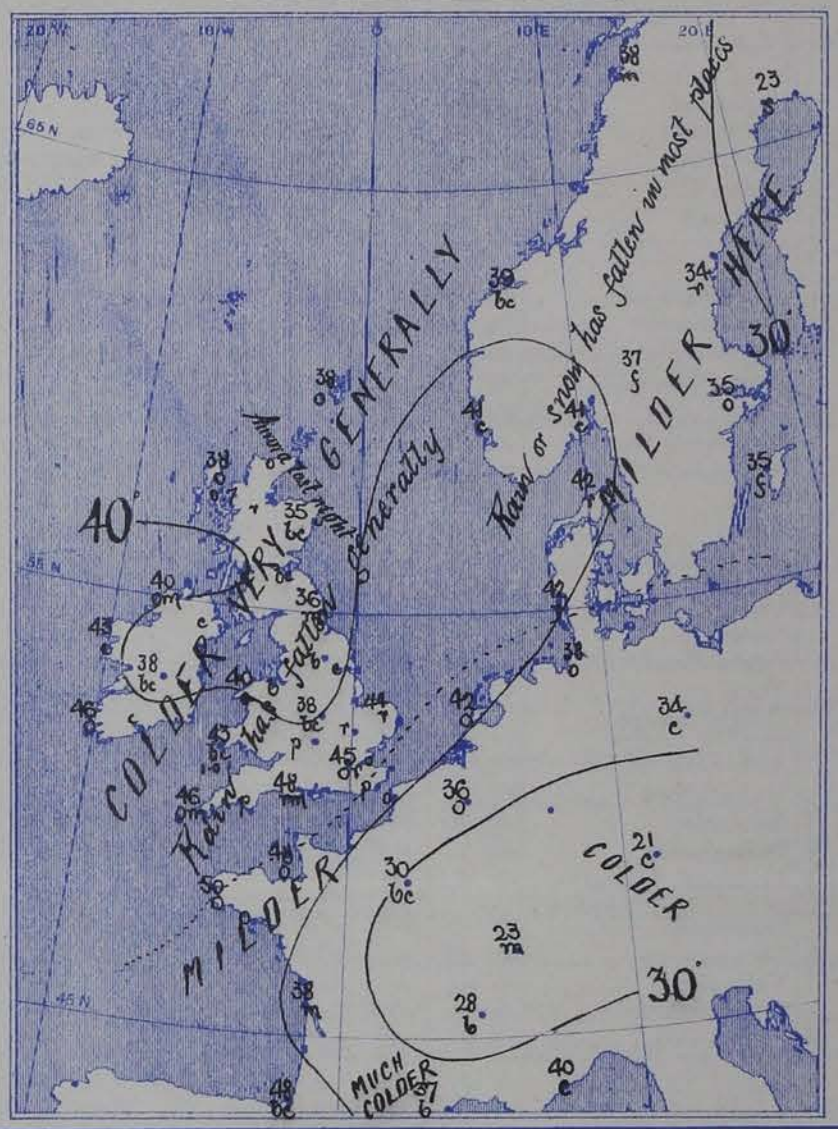


TEMPERATURE & WEATHER.

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 FEBRUARY.

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 · 772	38 · 6	37 · 2	42 · 2	34 · 4	51	1887, 91	17	1895	3 · 11	—	—
Stornoway	29 · 775	38 · 9	38 · 0	43 · 6	34 · 2	55	1891	12	1892	3 · 80	63 · 6	25
Wick	29 · 800	37 · 7	36 · 4	42 · 9	32 · 9	59	1878	2	1895	2 · 16	—	—
Nairn	29 · 815	36 · 7	35 · 1	43 · 4	32 · 5	64	1891	0	1895	1 · 65	—	—
Aberdeen	29 · 853	36 · 9	35 · 2	43 · 1	33 · 3	59	1878, 83	6	1895	2 · 26	73 · 4	28
Leith	29 · 873	38 · 1	36 · 7	45 · 5	33 · 9	59	1882	12	1895	1 · 51	—	—
Shields	29 · 908	38 · 3	36 · 9	43 · 9	34 · 4	59	1887	7	1895	1 · 50	—	—
Spurn Head	29 · 938	38 · 1	37 · 2	42 · 2	35 · 4	57*	1891	20*	1895	1 · 32	—	—
York	29 · 945	37 · 0	36 · 0	44 · 4	33 · 2	59	1872, 78	3	1895	1 · 68	60 · 0	22
Loughborough	29 · 972	36 · 7	35 · 5	45 · 2	33 · 0	64*	1891	−5*	1895	1 · 71	—	—
Ardrossan	29 · 880	39 · 2	38 · 0	44 · 4	35 · 9	56	1891	13	1895	2 · 93	—	—
Malin Head	29 · 844	41 · 0	39 · 5	45 · 5	38 · 3	—	—	—	—	—	—	—
Belmullet	29 · 870	42 · 3	40 · 7	47 · 2	38 · 8	—	—	—	—	4 · 20	—	—
Donaghadee	29 · 894	40 · 0	39 · 1	45 · 5	36 · 6	56	1894	16	1895	2 · 34	—	—
Holyhead	29 · 923	41 · 1	39 · 8	45 · 4	38 · 3	59	1891	17	1895	2 · 42	—	—
Liverpool	29 · 943	38 · 5	37 · 0	44 · 3	35 · 7	62	1878	12	1895	1 · 68	—	—
Parsonstown	29 · 915	39 · 1	37 · 8	46 · 8	35 · 1	59	1891	6	1895	2 · 16	68 · 0	25
Valencia	29 · 917	44 · 3	42 · 6	49 · 5	40 · 3	58	1891	22	1895	4 · 89	72 · 9	27
Roche's Point	29 · 927	43 · 0	41 · 4	48 · 2	39 · 4	56	1877, 89	25	1895	4 · 19	—	—
Pembroke	29 · 948	41 · 8	40 · 5	45 · 3	39 · 0	52	1877, 91	23	1895	2 · 62	79 · 9	29
Scilly	29 · 964	45 · 7	44 · 1	48 · 6	42 · 4	56	1877	27	1895	2 · 62	—	—
Prawle Point	29 · 996	41 · 2	40 · 2	46 · 6	37 · 8	57*	1891	21*	1888, 92, 95	1 · 94	—	—
Jersey	30 · 016	42 · 0	40 · 6	46 · 8	38 · 8	62	1891	18	1895	2 · 41	95 · 0	34
Hurst Castle	29 · 996	39 · 8	38 · 8	45 · 4	36 · 3	60	1877	17	1895	2 · 10	—	—
Dover	29 · 990	38 · 8	37 · 7	44 · 2	35 · 5	56	1882	11	1889	1 · 81	—	—
LONDON	29 · 996	38 · 1	36 · 8	45 · 5	34 · 5	62	1876, 91	10	1895	1 · 64	33 · 0†	12†
Oxford	29 · 994	37 · 3	36 · 1	44 · 9	34 · 2	64	1891	7	1895	1 · 76	66 · 3	24
Cambridge	29 · 987	36 · 7	35 · 7	45 · 5	32 · 1	67	1891	6	1895	1 · 42	70 · 5	26
Yarmouth	29 · 967	37 · 8	36 · 9	42 · 3	34 · 0	58	1872	15	1895	1 · 73	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30·4 ins. and upwards over central France, 30·3 ins. and upwards in an anticyclone covering nearly the whole of France, Germany and the Spanish peninsula.
Lowest 29·3 ins. and less in a depression lying off the Nw. parts of the Norwegian coasts.
Gradients moderate to rather steep over Scandinavia and the Nw. parts of our Islands and the North Sea, but slight elsewhere. Barometer rising over the greater part of the United Kingdom, but falling at most of the Continental stations.

TEMPERATURE

Highest 50° at Brest, Lorient and Lisbon, 48° at Jersey and Biarritz, and 47° at Prawle Pt. and Dungeness.
Lowest (1) 21° at Munich, 23° at Belfort, and 28° at Lyons; (2) 23° at Haparanda; lowest in our islands 35° at Wick, Aberdeen and Donaghadee.
During yesterday the thermometer rose to 50° and upwards at many of our central and southern stations, and also in the N. of Scotland, and to 55° at Jersey.

WIND

Light to fresh from the SWnd or Wnd over the greater part of our islands, and strong to a gale from the same quarters in the west of Norway; moderate from the Snd in Sweden and Germany.
Light from the NWnd in the southwest of England, variable over the greater part of France.
A fresh to strong gale from the SWnd was experienced yesterday on our north and northwest coasts.

WEATHER

Fine in the E. of Scotland and the N. of England, as well as in the W. of Norway and the central and southern parts of France.
Cloudy or dull in most other parts of our area, with rain in the S. and E. of England, as well as in Denmark and at Hernösand; snow reported at Haparanda.
Since yesterday morning rain has fallen in most parts of NWn Europe, the amount being slight in most places, but heavy at Stornoway and Pembroke. Aurora was seen last night at Wick & Aberdeen.

SEA

Rough at Stornoway and Malin Hd, and rather rough at Valencia, as well as on the Norwegian coasts, but moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 14TH FEB. 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 South Cone is still flying in districts 0, 1, 6, 7, 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 ...	29.99	43	42	S	7	o	4
Sumburgh Head	29.28	46	44	SSW	6	o	2
Stornoway	29.30	43	41	W	7	r	7
Aberdeen	29.62	47	42	SSW	8	o g q r	6
Shields	29.98	47	44	SSW	4	o	2
Ardrossan	29.75	47	47	S	7	o	5
Malin Head ...	29.55	48	48	SSW	8	o	6
Belmullet	29.78	49	48	WSW	10	o m	*
Holyhead	30.07	48	46	SW	7	o g m	6

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.01	51	48	SSW	6	o	6
Scilly	30.27	50	47	SSW	4	o	4
Jersey	30.39	53	50	SE	3	bc	3
Hurst Castle ...	30.31	50	48	SSW	3	c	3
Dungeness ...	30.33	50	48	SSW	4	bc	3
North Foreland	30.32	50	46	SSW	2	c	1
London (Westminster)	30.28	53	49	SW	3	o	*
Yarmouth ...	30.23	50	47	SW	3	bc	3
Rochefort ...	30.42	55	52	ESE	2	b	*

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

Weather in morning fine over France, the Spanish peninsula and N.W. Italy, as well as in the W. of Norway. Cloudy or dull in nearly all other parts of Europe, with fog at some of the English stations, as well as in Holland, Denmark and the S. of Norway; rain falling at Stornoway, and snow at Haparanda, Stockholm, Prague, Cracow and Hermanstadt. Rain falling later in most parts of our Islands, Scandinavia and Denmark, – heavily at Stornoway and Pembroke. Aurora seen at Wick and Aberdeen.

Temperature risen in most countries but fallen quickly in Finland, and to a less extent in Italy and the S. of Russia. Morning readings highest (1) 52° at Malta, 51° at Algiers, and 50° at San Fernando; (2) 50° at Belmullet and Valencia (Ireland); above 45° in all but the N.E.rn and central parts of our islands. Lowest –21° F. at Kuopio, –7° at Moscow and –4° at Helsingfors; below the freezing point over N.rn, E.rn and central Europe generally. Rising during day to 50° and upwards at most of our own central and southern stations, as well as in the N. of Scotland; exceeding 55° in the W. and S. of France, and reaching 63° at Perpignan and also at Lisbon.

Wind S. ¾ or SW. ¾ over northwestern Europe generally, and strong in force on many parts of the Irish and Scotch coasts, with a gale at Belmullet. Light from the E.rd or NE.rd over northern and central Russia, but N. ¾ over Poland, Austria and the greater part of southern Europe. E. ¾ in the west and south of France, calm or variable over S. Germany and central France. Subsequently increasing to a fresh or strong gale from the SW.rd on nearly all parts of our N. and NW. coasts, but moderating again at night.

Barometer highest 30.6 ins. and upwards in the extreme N. of Russia; 30.2 ins. and upwards in all but the NW.rn and SE.rn parts of Russia. Lowest 29.6 ins. and less in a depression lying off the NW. of Scotland. Depression subsequently moving NE.wds, but small secondary disturbances appearing over our western coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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, FEBRUARY 14TH 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 ...	29.68	31	W	2	o	29.81	+.07	27	26	+4	SSE	4	o	*	o	*	32	12	0.08
	Hernösand ...	29.74	24	E	o	f	29.69	+.04	14	12	−20	E	o	f	*	f	*	34	?	0.04
	Stockholm ...	29.86	36	E	o	o	29.84	−.11	30	30	−5	E	o	f	*	o	*	34	32	0.04
	Wisby	29.94	36	SSW	4	+	29.89	−.19	34	34	−1	SW	4	b	*	+	*	34	30	0.12
	Karlstad ...	29.84	33	SW	2	b	29.78	+.02	33	32	−4	SW	2	f	*	b	*	*	*	—
	Bodö	29.34	36	SSW	2	o	29.33	+.07	37	32	−1	SSE	4	o	1	o	*	38	32	—
	Christiansund ...	29.48	41	SW	4	c	29.17	−.18	41	36	+2	SE	2	c	4	c	*	41	36	—
	Skudesnaes ...	29.77	42	SW	8	c	29.52	−.27	40	39	−1	SSW	8	+	5	c	*	43	37	*
	Færder (Christiania Fjord)	29.84	39	SW	4	b	29.69	+.01	40	38	−1	SW	4	o	3	b	*	41	39	—
	Skagen (The Scaw)	29.92	36	WSW	1	b	29.82	0.0	38	37	−4	SW	3	bc	o	b	*	43	34	—
	Fanö	29.96	37	WSW	1	b	29.91	−.07	39	38	−3	WSW	3	b	*	b	*	43	30	0.04
	Sumburgh Head	29.44	40	SW	4	+	29.36	−.18	38	34	o	WSW	4	o+y/s	6	+	*	41	35	0.90
	Stornoway ...	29.49	42	WSW	4	+qu	29.68	+.05	39	38	+1	WSW	6	+	6	h/s.b.p.th	3.7	44	34	0.40
	Wick	29.53	39	SW	4	bc	29.61	−.07	36	35	+1	NW	4	c w	4	bc s.c	*	44	33	0.11
	Nairn	29.61	38	W	3	bc	29.71	−.05*	36	35	o	W	2	c	2	bc	*	43	33	0.14
	Aberdeen ...	29.72	39	SW	3	bq	29.75	−.08	41	39	+6	WSW	4	bcq	3	bq.p	3.3	44	34	0.01
British Islands.	Leith	29.83	42	SW	2	c	29.86	−.05	42	39	+3	WSW	3	bm	*	c	*	46	38	0.02
	Shields	29.94	43	SW	2	bc	29.95	−.08	42	40	+6	SW	3	bm	2	bc	*	48	34	—
	Spurn Head ...	30.04	41	WSW	3	o	30.03	−.04	43	42	+3	WSW	3	c	3	o	*	44	39	—
	York	30.04	42	SSW	1	b	30.04	−.05*	44	41	+8	W	1	b	*	b	2.9	47	36	0.01
	Loughborough ...	30.12	42	W	1	c	30.10	−.02	43	41	+3	WSW	1	bcw	*	bc.o.c	*	48	37	—
	Ardrossan ...	29.83	44	SW	5	bcf	29.98	0.0	46	44	+4	WSW	5	bcqf	3	bcf	*	46	41	0.07
	Malin Head ...	29.74	43	SW	5	o	29.95	+.07	45	43	+3	WSW	4	cf	3	c.o	*	45	38	0.31
	Belmullet ...	29.90	47	WSW	5	o	30.11	+.10	47	44	+4	NNW	4	c	*	c.o	*	48	40	0.12
	Donaghadee ...	29.92	43	WSW	5	bc	30.10	+.06	40	38	+3	WSW	4	bc	2	bc	*	43	34	0.01
	Liverpool (Bidston)	30.06	42	WSW	3	c	30.09	−.02	43	42	+7	WSW	5	bc	4	c	*	46	38	0.03
	Holyhead ...	30.07	45	SW	4	o	30.12	−.01	46	43	+6	W	3	c	2	o	*	46	38	—
	Parsonstown ...	30.04	42	SW	1	c	30.19	+.07	43	41	+5	S	2	o	*	c+	2.4	46	34	0.11
	Valencia ...	30.12	47	SW	3	c/f	30.27	+.08	50	48	+4	W	4	omq	3	c/f	1.3	50	42	0.17
	Roche's Point ..	30.14	46	W	3	bc	30.24	+.04	48	47	+6	W	4	o	3	bc	*	48	41	—
	Pembroke (St. Ann's Hd.)	30.15	44	W	5	c	30.21	+.03	49	47	+6	NW	4	bc	4	c	1.0	49	42	—
	Scilly	30.21	48	WNW	3	c	30.31	+.10	50	47	+4	W	5	c	5	c	3.8	53	48	—
	Prawle Point ...	30.27	48	WNW	3	bc	30.30	+.16	48	47	+1	WSW	4	c	3	bc.f	*	53	41	0.01
	Jersey (St. Aubin's)	30.23	46	NNW	3	o	30.35	+.12	48	46	o	W	4	bcm	3	of.g	*	52	42	0.17
	Hurst Castle ...	30.18	44	WNW	2	o	30.24	+.11	46	44	−2	W	4	c	3	o	*	49	43	0.06
	Dungeness ...	30.14	43	NNW	3	c	30.19	+.06	44	43	−3	W	5	bc	4	c+	*	48	39	0.01
	North Foreland	30.11	43	WNW	3	+	30.17	+.04	40	39	−6	WSW	3	b	2	+.o	*	50	38	0.12
	London (Brixton) ...	30.14	44	NNW	2	c	30.18	+.03	42	40	−3	WSW	2	c	*	o.bc	0.1	45	38	0.07
	Oxford	30.17	40	W	2	bc	30.18	+.05	44	43	+3	SW	3	bm	*	bc	*	48	40	—
	Cambridge ...	30.15	39	W	1	o	30.15	+.04	43	41	+1	SW	3	c	*	+.o	2.8	49	35	0.05
	Yarmouth ...	30.08	42	NW	1	bc	30.06	0.0	42	40	−2	W	3	bm	3	bc	*	45	36	0.07
Germany & Holland.	Cuxhaven ...	30.01	39	SW	4	+	30.00	−.11	35	35	−3	SW	3	c	*	+	*	39	34	0.16
	Berlin	30.13	35	SW	3	b	30.04	−.25	36	36	+2	S	o	+	*	b	*	43	34	0.08
	Wiesbaden ...	*	*	*	*	*	30.17		37	37		SW	1	o	*	*	*	37	34	0.04
	Munich	30.29	30	SE	1	b	30.23	−.13	36	33	+15	W	5	o	*	b	*	36	21	—
	The Helder ...	30.06	41	W	1	b	30.04	−.04	43	41	+1	SW	3	c	2	b	*	45	41	0.12
Belgium.	Brussels ...	*	*	*	*	*	30.23	−.02	37	36	+1	SW	2	b	*	+	*	44	35	0.04
	Cape Gris Nez ...	30.10	44	SW	3	+	30.13	+.03	46	42	o	WSW	4	b	4	+	*	48	39	0.08
	Paris	30.26	45	SW	2	o	30.31	+.01	40	39	+10	WSW	2	b	*	o	*	48	30	—
	Brest	30.24	48	NW	3	o	30.28	+.15	49	47	−1	WSW	3	c	3	o	*	52	44	0.28
	Lorient	30.28	51	WSW	3	+	30.23	+.13	48	48	−2	WSW	2	c	4	+	*	55	39	—
France &	Rochefort ...	30.39	49	W	3	c	30.45	+.06	47	46	+9	N	3	o	*	c	*	55	36	0.04
	Belfort	30.30	39	W	1	m	30.29	−.12	35	34	+12	WSW	3	+	*	m	*	45	23	—
	Lyons	30.38	42	S	1	b	30.41	−.01	35	34	+7	E	1	o	*	b	*	49	28	—
	Nice	30.31	46	S	2	bc	30.26	−.12	38	36	−2	E	1	bc	1	bc	*	52	37	—
	Perpignan ...	30.36	46	SE	1	b	30.40	+.01	51	45	+14	NW	3	b	*	b	*	59	37	—
	Biarritz ...	30.38	52	NW	3	b	30.42	+.09	51	48	+3	WSW	3	o	4	b	*	57	46	—
Penin-sula.	Corunna ...																*			
	Lisbon	30.36	55	NE	4	b	30.49	+.13	48	43	−2	NE	3	b	*	b	*	63	46	—
	Azores (P. Delgada)	30.32	57	Z	o	c	30.32	0.0	57	51	+1	SSE	4	o	3	o.c	*	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..... hrs;

WEATHER CHARTS

FOR MONDAY, 14TH FEBRUARY, 1898

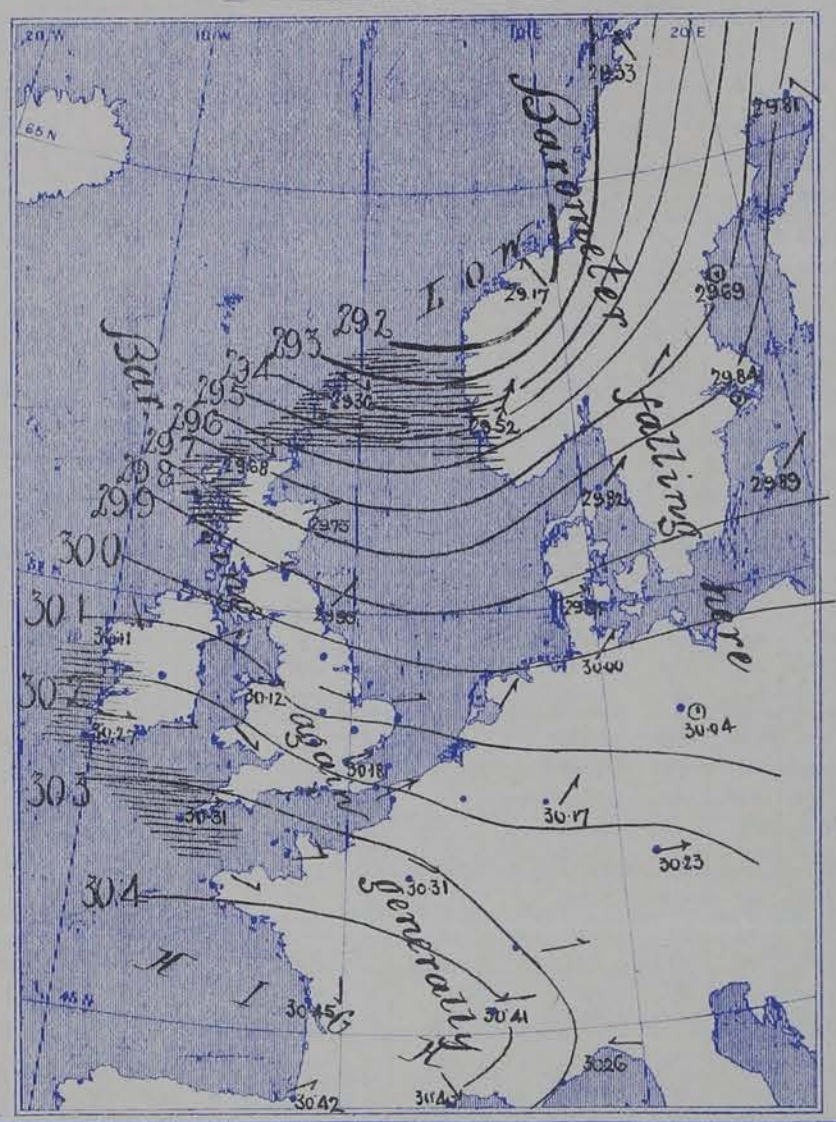
BAROMETER, WIND AND SEA.

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 ▩

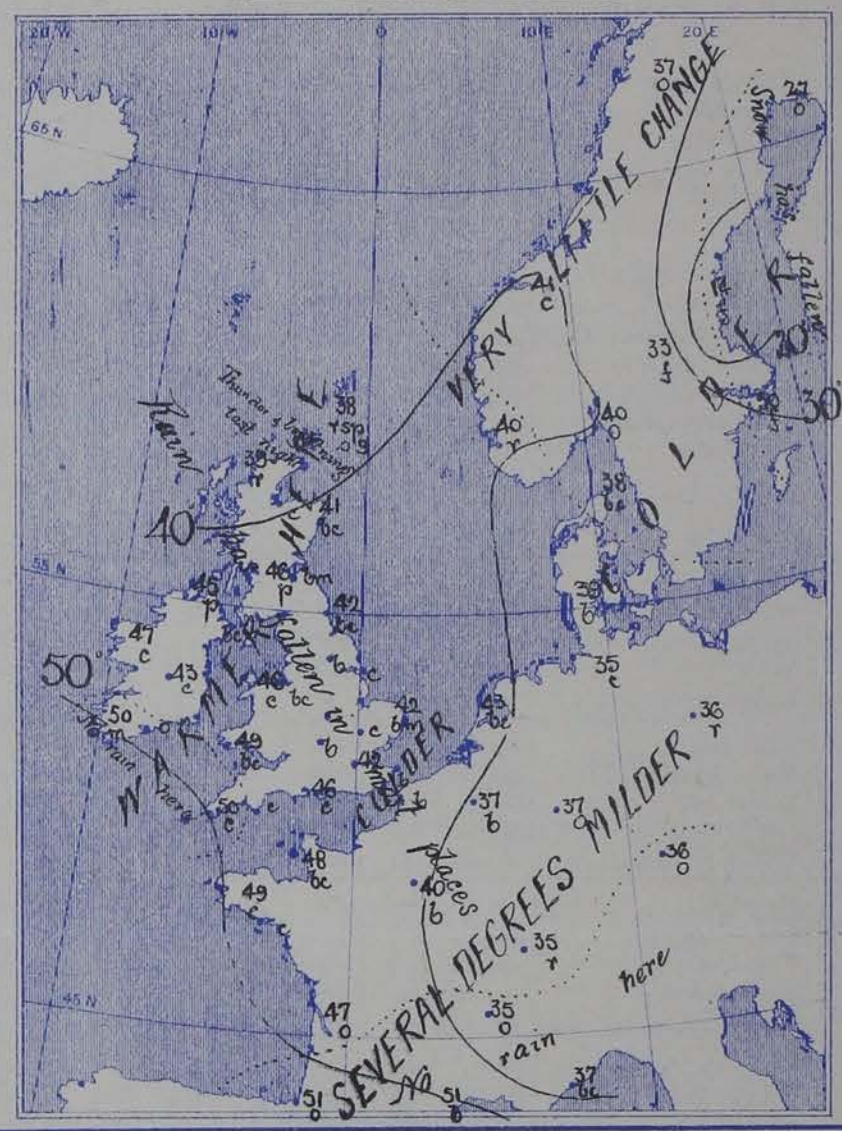


TEMPERATURE & WEATHER.

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 FEBRUARY.

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 · 772	38 · 6	37 · 2	42 · 2	34 · 4	51	1887, 91	17	1895	3 · 11	—	—
Stornoway	29 · 775	38 · 9	38 · 0	43 · 6	34 · 2	55	1891	12	1892	3 · 80	63 · 6	25
Wick	29 · 800	37 · 7	36 · 4	42 · 9	32 · 9	59	1878	2	1895	2 · 16	—	—
Nairn	29 · 815	36 · 7	35 · 1	43 · 4	32 · 5	64	1891	0	1895	1 · 65	—	—
Aberdeen	29 · 853	36 · 9	35 · 2	43 · 1	33 · 3	59	1878, 83	6	1895	2 · 26	73 · 4	28
Leith	29 · 873	38 · 1	36 · 7	45 · 5	33 · 9	59	1882	12	1895	1 · 51	—	—
Shields	29 · 908	38 · 3	36 · 9	43 · 9	34 · 4	59	1887	7	1895	1 · 50	—	—
Spurn Head	29 · 938	38 · 1	37 · 2	42 · 2	35 · 4	57*	1891	20*	1895	1 · 32	—	—
York	29 · 945	37 · 0	36 · 0	44 · 4	33 · 2	59	1872, 78	3	1895	1 · 68	60 · 0	22
Loughborough	29 · 972	36 · 7	35 · 5	45 · 2	33 · 0	64*	1891	—5*	1895	1 · 71	—	—
Ardrossan	29 · 880	39 · 2	38 · 0	44 · 4	35 · 9	56	1891	13	1895	2 · 93	—	—
Malin Head	29 · 844	41 · 0	39 · 5	45 · 5	38 · 3	—	—	—	—	—	—	—
Belmullet	29 · 870	42 · 3	40 · 7	47 · 2	38 · 8	—	—	—	—	4 · 20	—	—
Donaghadee	29 · 894	40 · 0	39 · 1	45 · 5	36 · 6	56	1894	16	1895	2 · 34	—	—
Holyhead	29 · 923	41 · 1	39 · 8	45 · 4	38 · 3	59	1891	17	1895	2 · 42	—	—
Liverpool	29 · 943	38 · 5	37 · 0	44 · 3	35 · 7	62	1878	12	1895	1 · 68	—	—
Parsonstown	29 · 915	39 · 1	37 · 8	46 · 8	35 · 1	59	1891	6	1895	2 · 16	68 · 0	25
Valencia	29 · 917	44 · 3	42 · 6	49 · 5	40 · 3	58	1891	22	1895	4 · 89	72 · 9	27
Roche's Point	29 · 927	43 · 0	41 · 4	48 · 2	39 · 4	56	1877, 89	25	1895	4 · 19	—	—
Pembroke	29 · 948	41 · 8	40 · 5	45 · 3	39 · 0	52	1877, 91	23	1895	2 · 62	79 · 9	29
Scilly	29 · 964	45 · 7	44 · 1	48 · 6	42 · 4	56	1877	27	1895	2 · 62	—	—
Prawle Point	29 · 996	41 · 2	40 · 2	46 · 6	37 · 8	57*	1891	21*	1888, 92, 95	1 · 94	—	—
Jersey	30 · 016	42 · 0	40 · 6	46 · 8	38 · 8	62	1891	18	1895	2 · 41	95 · 0	34
Hurst Castle	29 · 996	39 · 8	38 · 8	45 · 4	36 · 3	60	1877	17	1895	2 · 10	—	—
Dover	29 · 990	38 · 8	37 · 7	44 · 2	35 · 5	56	1882	11	1889	1 · 81	—	—
LONDON	29 996	38 · 1	36 · 8	45 · 5	34 · 5	62	1876, 91	19	1895	1 · 64	33 · 0†	12†
Oxford	29 · 994	37 · 3	36 · 1	44 · 9	34 · 2	64	1891	7	1895	1 · 76	66 · 3	24
Cambridge	29 · 987	36 · 7	35 · 7	45 · 5	32 · 1	67	1891	6	1895	1 · 42	70 · 5	26
Yarmouth	29 . 967	37 · 8	36 · 9	42 · 3	34 · 0	58	1872	15	1895	1 · 73	—	—

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

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.4 ins. and upwards in an anticyclone lying over the Bay of Biscay and the western and central parts of France.
Lowest 29.2 ins. and less in a depression off the west of Norway.
Gradients rather steep over Norway and the Nrn. parts of the North Sea, but moderate to slight elsewhere.
Barometer rising in our islands and France, falling in Scandinavia, Denmark and Germany.

TEMPERATURE

Highest 57° at Biarritz and Perpignan, 50° at Valencia (Ireland) and Scilly, and 49° at Pembroke & Brest.
Lowest (1) 14° at Haparanda, and 30° at Stockholm; (2) 35° at Belfort and Lyons; (3) 36° at Wick and Nairn.
During yesterday the thermometer rose to 45° and upwards over England and Ireland generally, and to 50° and upwards on our extreme southwest coasts.

WIND

Moderate to fresh from the W^nd. or NW^nd. on our western and extreme northern coasts; light or moderate from the SW^nd. in the eastern parts of Gt. Britain, and also over the Netherlands, Denmark and the south of Scandinavia, SE. over the northern parts of Scandinavia.
Light from the NW^nd. in the west and south of France.

WEATHER

Fair over the greater part of our islands, but dull in the S. of Ireland and showery on our extreme N. and NW. coasts, with sleet at Stornoway.
Fine in Denmark, but cloudy or dull over the W^rn. parts of the Continent generally, with fog at many of the Swedish stations, and rain at Skudesnaes, Berlin and Belfort.
Rain fell yesterday in most parts of W^rn. Europe, but the amount was as a rule somewhat small. Thunder and lightning occurred at Stornoway at night, and lightning only at Wick.

SEA

Rough off the N. of Scotland, and rather rough on our extreme SW. coasts, but moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which appeared off the N. of Scotland last evening is travelling away to the NE^nd. There are at present no signs of any fresh disturbance, but the general conditions remain somewhat unsettled.

FORECASTS

For the 24 hours ending at NOON on 15TH. FEB. 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Strong NW. winds moderating and backing later, changeable, some cold rain or sleet.
1	SCOTLAND EAST	W. winds, moderate or fresh, changeable, some showers.
2	ENGLAND N.E.	
3	ENGLAND EAST	SW. to W. winds, moderate, fair generally, but local showers.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos. 1 and 2.
7	ENGLAND N.W.	
8	ENGLAND S.W.	W. and NW. winds, moderate or fresh, changeable, some showers.
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	At 7.10 pm. yesterday to district 2 Hoist South Cone. The signals have been lowered this morning.

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 ...	29.83	42	40	NNW	6	c	5
Sumburgh Head							
Stornoway	29.56	44	41	W	5	bcfq	4
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29.84	41	40	SW	8	cq	5
Belmullet	29.97	48	48	W	5	c	*
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia							
Scilly							
Jersey	30.20	52	50	SW	3	o	3
Hurst Castle ...							
Dungeness ...	30.08	47	47	SW	5	†	4
North Foreland	30.11	43	43	WNW	3	†	2
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30.40	55	50	NNW	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 6TH TO 12TH FEB. 1898.

During the early part of the week a well marked depression moved slowly along to the N. of our Islands, while secondary systems were developed over the North Sea and Denmark, the winds over NW. Europe being mostly from the NW. or W., and strong to a gale in force on our NW. coasts. Temperature was rather low, with sharp ground frosts over Gt. Britain, and the weather was changeable and showery, with snow or sleet in the more N. districts and hail in the W. Thunder and lightning occurred at Leith on the 6th.

After the 8th, however, an anticyclone advanced over France and the southern parts of our islands from the W., the system ultimately becoming united with another high pressure area lying over N. Europe. The wind in our islands now backed round to the SW. and temperature rose decidedly, the maximum readings of the 10th to 12th being a little above 50° in most parts of the United Kingdom. Over the S. and E. districts the weather was mostly fair and dry, but in the W. and N. it was influenced by depressions skirting our extreme NW. and N. coasts, rain being frequent, and in some few cases rather heavy. The depressions which appeared in the N. respectively on the night of the 10th and on the 12th were sufficiently deep to produce SW. gales on many parts of our N. and NW. coasts, those of the latter date being rather severe.

Over N. Europe the weather was much colder than for some time past, temperatures below zero being fairly common. On the night of the 9th the thermometer at Haparanda fell to -38° F.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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, 15th February, 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 ...	29.69	24	S	4	0	29.72	-.09	28	28	+ 1	S	2	S	*	0	*	30	21	-
	Hernösand ...	29.59	34	S	4	0	29.79	+.10	23	22	+ 9	S	0	b	*	0	*	36	12	0.08
	Stockholm ...	29.73	32	SE	2	b	29.86	+.02	30	30	0	W	2	b	*	b	*	36	28	0.04
	Wisby	29.86	33	WSW	4	0	29.91	+.02	34	32	0	NNW	4	b	*	0	*	36	28	0.16
	Karlstad ...	29.66	35	W	2	b	29.93	+.15	27	25	- 6	N	0	b	*	b	*	*	*	-
	Bodö	29.31	34	SE	2	0	29.56	+.23	35	33	- 2	W	4	bc	2	0	*	39	32	-
	Christiansund ...	29.56	36	SW	8	s	29.49	+.32	36	32	- 5	SSE	6	0	5	s	*	41	34	0.24
	Skudesnaes ...	29.86	40	NW	2	bc	29.74	+.22	42	42	+ 2	SSS	8	r	5	c.bc	*	43	36	*
	Færder (Christiania Fjord)	29.69	38	W	4	b	29.92	+.23	34	32	- 6	SSW	1	b	3	b	*	39	32	-
	Skagen (The Scaw)	29.85	39	NW	6	b	29.99	+.17	38	37	0	SW	1	bc	0	b	*	41	34	0.08
	Fanö	30.08	41	W	4	b	30.08	+.17	40	39	+ 1	WSW	1	c	*	b	*	43	39	-
	Sumburgh Head	29.74	40	WNW	2	0	29.17	-.19	47	46	+ 9	SW	4	r	5	c.o	*	47	38	0.51
	Stornoway ...	29.80	45	WSW	3	0	29.27	-.41	51	50	+ 12	W	6	0	6	0	0.0	51	36	0.50
	Wick	29.83	45	WNW	3	0	29.29	-.32	52	50	+ 16	NNW	4	0	2	0	*	52	36	0.03
	Nairn	29.89	43	W	1	c	29.38	-.33	52	49	+ 16	W	4	c	2	c	*	53	35	0.05
	Aberdeen ...	29.97	43	SW	2	0	29.53	-.22	52	48	+ 11	SW	6	cq.u	4	bcq.c	6.8	52	41	-
	Leith	30.04	44	W	2	c	29.62	-.24	53	50	+ 11	WSW	4	0	*	c	*	53	40	-
	Shields	30.14	47	WSW	3	c	29.86	-.09	50	48	+ 8	SW	4	0	2	p.c	*	50	41	-
	Spurn Head ...	30.21	43	WSW	4	c	30.00	-.03	46	45	+ 3	SW	4	c	4	c.p	*	47	41	0.01
	York	30.22	46	SSW	2	bc	29.98	-.06	49	47	+ 5	SW	3	0	*	bc	3.0	53	44	-
	Loughborough ...	30.28	46	W	1	c	30.13	+.03	48	46	+ 5	WSW	6	cq	*	c.o.q.p	*	52	43	0.03
BRITISH ISLANDS.	Ardrossan ...	30.07	47	S	4	0	29.75	-.18	50	49	+ 4	S	4	o.p.m	4	b.o	*	50	43	0.01
	Malin Head ...	30.03	48	SSW	5	o.m	29.65	-.30	51	51	+ 6	WSW	9	r.m	6	bc.o.m	*	51	43	0.03
	Belmullet ...	30.13	50	WSW	4	0	29.89	-.22	52	51	+ 5	WSW	8	o.m	*	0	*	52	45	0.10
	Donaghadee ...	30.16	47	SW	4	c	29.87	-.23	53	51	+ 13	WSW	6	c	4	c	*	53	39	0.01
	Liverpool (Bidston)	30.27	47	WSW	3	0	30.01	-.08	50	48	+ 5	SW	8	0	5	0	*	51	44	-
	Holyhead ...	30.27	49	SW	3	0	30.06	-.06	49	49	+ 3	SW	6	o.m	5	bc.o	*	50	43	-
	Parsonstown ...	30.26	49	S	0	0	30.05	-.14	53	50	+ 10	S	2	0	*	c.o	1.8	53	42	-
	Valencia ...	30.34	50	SSW	3	0	30.17	-.10	53	52	+ 3	SW	6	o.m	6	c.o	1.5	54	49	0.08
	Roche's Point ..	30.33	52	W	3	c	30.22	-.02	52	52	+ 4	WSW	5	r.m	4	c	*	53	46	0.02
	Pembroke (St. Ann's Hd.)	30.36	50	W	4	bc	30.21	.00	50	49	+ 1	WSW	6	o.g.m	4	bc	4.0	50	46	-
	Scilly	30.41	51	W	4	c	30.38	+.07	51	49	+ 1	SW	6	0	4	c	4.4	54	47	-
	Prawle Point ..	30.45	48	WSW	3	c	30.39	+.09	48	47	0	WSW	5	c	4	p.c.o	*	50	46	0.04
	Jersey (St. Aubin's)	30.45	51	W	4	o.g.m.p	30.48	+.13	49	48	+ 1	WSW	4	c	3	c.p.o	*	54	47	0.01
	Hurst Castle ...	30.37	48	W	2	c	30.35	+.11	49	47	+ 3	WSW	4	0	3	c.p.c	*	52	46	-
	Dungeness ...	30.33	47	W	2	bc	30.28	+.09	48	47	+ 4	WSW	5	0	4	c.bc	*	55	41	-
	North Foreland	30.33	46	W	3	c	30.26	+.09	47	46	+ 7	WSW	4	0	3	c	*	50	39	0.01
	London (Brixton) ...	30.34	46	WSW	1	b.m	30.28	+.10	48	45	+ 6	WSW	3	0	*	c.o.b.m	0.4	52	40	-
	Oxford	30.46	45	W	2	c	30.25	+.07	47	45	+ 3	SW	3	0	*	c	*	52	44	-
	Cambridge ...	30.31	45	SW	1	b	30.19	+.04	47	46	+ 4	SW	4	0	*	c.b	2.1	52	36	-
	Yarmouth ...	30.23	45	W	3	bc	30.14	+.08	45	44	+ 3	WSW	4	c	3	bc	*	49	37	0.01
GERMANY & HOLLAND.	Cuxhaven ...	30.12	39	W	4	b	30.19	+.19	36	36	+ 1	SW	3	c	*	b.r	*	43	35	0.04
	Berlin	30.13	40	WNW	2	r	30.27	+.23	38	37	+ 2	WNW	3	0	*	r	*	43	36	0.04
	Wiesbaden ...	*	*	*	*	*	30.42	+.25	37	37	0	W	1	bc	*	*	*	46	35	-
	Munich... ..	30.41	34	W	5	c	30.47	+.24	35	35	- 1	SW	4	0	*	c	*	36	32	0.35
	The Helder ...	30.23	43	W	2	b	30.18	+.14	43	42	0	SW	3	m	2	b	*	45	43	0.04
FRANCE & BELGIUM.	Brussels ...	*	*	*	*	*	30.39	+.16	41	41	+ 4	SW	5	f	*	b	*	47	37	0.04
	Cape Gris Nez...	30.29	47	WSW	2	c	30.26	+.13	48	46	+ 2	WSW	4	0	4	c	*	48	43	/ -
	Paris	30.45	48	WSW	2	bc	30.49	+.18	42	42	+ 2	SW	2	m	*	bc	*	52	40	0.04
	Brest	30.40	50	WNW	3	0	30.50	+.12	50	48	+ 1	WSW	3	b	3	0	*	52	46	-
	Lorient... ...	30.51	51	W	4	0	30.51	+.08	51	50	+ 3	W	4	c	4	0	*	54	39	-
	Rochefort ...	30.54	49	WNW	3	c	30.58	+.13	46	45	- 1	W	2	b	*	b.c	*	54	43	-
	Belfort	30.46	39	WSW	3	0	30.56	+.27	36	36	+ 1	N	1	f	*	0	*	43	35	0.32
	Lyons	30.54	40	NW	1	c	30.57	+.16	37	36	+ 2	NW	1	c	*	c	*	42	35	-
	Nice	30.22	46	ENE	1	bc	30.86	+.10	42	38	+ 4	E	1	c	1	bc	*	55	37	-
	Perpignan ...	30.44	55	NW	3	b	30.30	+.10	46	41	- 5	NW	3	b	*	b	*	59	45	-
	Biarritz ...	30.49	53	W	3	0	30.52	+.10	47	45	- 4	ENE	2	0	4	0	*	54	45	-
PENINSULA.	Corunna ...																*			
	Lisbon	30.47	58	NNE	4	b	30.50	+.01	48	43	0	NE	3	b	*	b	*	?	?	-
	Azores (P. Delgada)	30.53	56	ENE	3	bc	30.50	-.02	55	53	- 2	NE	3	bc	3	b	*	63	54	-

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

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

Bright Sunshine yesterday Southport 8.0 hrs;

WEATHER CHARTS

FOR Tuesday, 15th February, 1898

BAROMETER, WIND AND SEA.

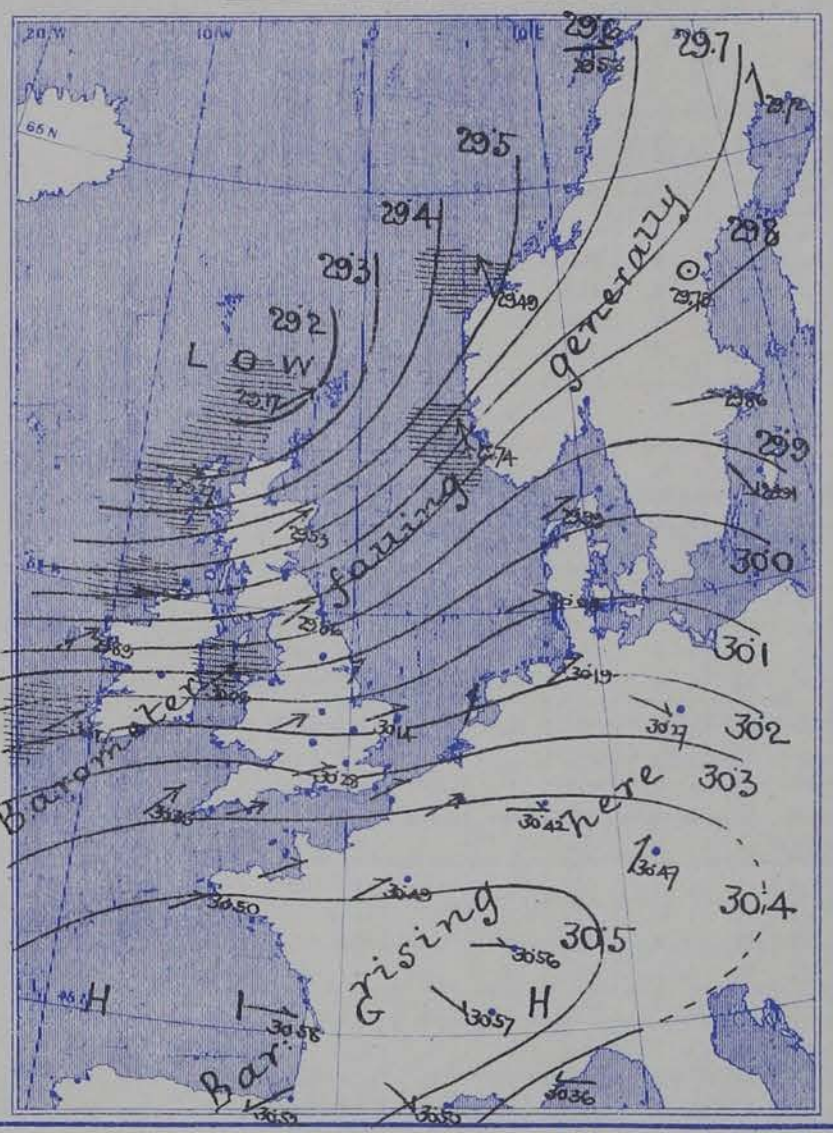
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▩

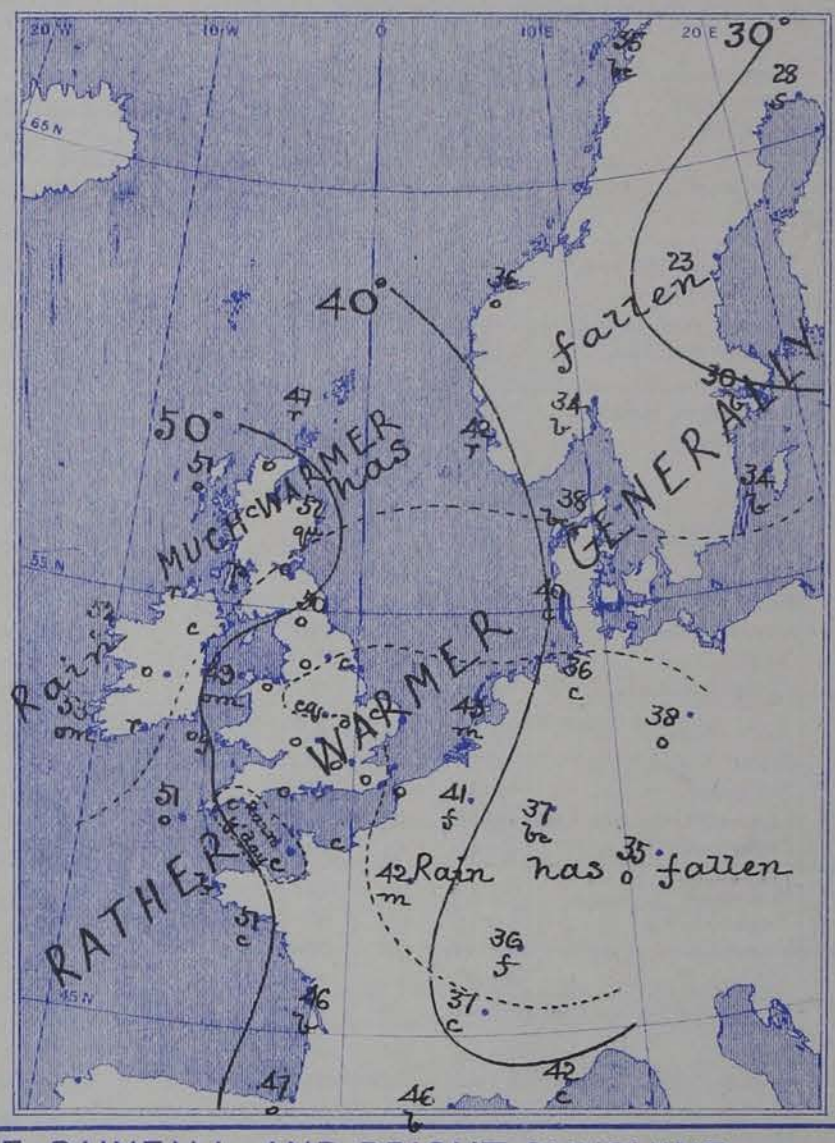


TEMPERATURE & WEATHER.

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 FEBRUARY.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of Dry Bulb 8 a.m.	Means of Wet Bulb 8 a.m.	Means of Daily Maximum.	Means of Daily Minimum.	Absolute Extremes. Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 772	38 · 6	37 · 2	42 · 2	34 · 4	51	1887, 91	17	1895	3 · 11	—	—
Stornoway	29 · 775	38 · 9	38 · 0	43 · 6	34 · 2	55	1891	12	1892	3 · 80	63 · 6	25
Wick	29 · 800	37 · 7	36 · 4	42 · 9	32 · 9	59	1878	2	1895	2 · 16	—	—
Nairn	29 · 815	36 · 7	35 · 1	43 · 4	32 · 5	64	1891	0	1895	1 · 65	—	—
Aberdeen	29 · 853	36 · 9	35 · 2	43 · 1	33 · 3	59	1878, 83	6	1895	2 · 26	73 · 4	28
Leith	29 · 873	38 · 1	36 · 7	45 · 5	33 · 9	59	1882	12	1895	1 · 51	—	—
Shields	29 · 908	38 · 3	36 · 9	43 · 9	34 · 4	59	1887	7	1895	1 · 50	—	—
Spurn Head	29 · 938	38 · 1	37 · 2	42 · 2	35 · 4	57*	1891	20*	1895	1 · 32	—	—
York	29 · 945	37 · 0	36 · 0	44 · 4	33 · 2	59	1872, 78	3	1895	1 · 68	60 · 0	22
Loughborough	29 · 972	36 · 7	35 · 5	45 · 2	33 · 0	64*	1891	—5*	1895	1 · 71	—	—
Ardrossan	29 · 880	39 · 2	38 · 0	44 · 4	35 · 9	56	1891	13	1895	2 · 93	—	—
Malin Head	29 · 844	41 · 0	39 · 5	45 · 5	38 · 3	—	—	—	—	—	—	—
Belmullet	29 · 870	42 · 3	40 · 7	47 · 2	38 · 8	—	—	—	—	4 · 20	—	—
Donaghadee	29 · 894	40 · 0	39 · 1	45 · 5	36 · 6	56	1894	16	1895	2 · 34	—	—
Holyhead	29 · 923	41 · 1	39 · 8	45 · 4	38 · 3	59	1891	17	1895	2 · 42	—	—
Liverpool	29 · 943	38 · 5	37 · 0	44 · 3	35 · 7	62	1878	12	1895	1 · 68	—	—
Parsonstown	29 · 915	39 · 1	37 · 8	46 · 8	35 · 1	59	1891	6	1895	2 · 16	68 · 0	25
Valencia	29 · 917	44 · 3	42 · 6	49 · 5	40 · 3	58	1891	22	1895	4 · 89	72 · 9	27
Roche's Point	29 · 927	43 · 0	41 · 4	48 · 2	39 · 4	56	1877, 89	25	1895	4 · 19	—	—
Pembroke	29 · 948	41 · 8	40 · 5	45 · 3	39 · 0	52	1877, 91	23	1895	2 · 62	79 · 9	29
Scilly	29 · 964	45 · 7	44 · 1	48 · 6	42 · 4	56	1877	27	1895	2 · 62	—	—
Prawle Point	29 · 996	41 · 2	40 · 2	46 · 6	37 · 8	57*	1891	21*	1888, 92, 95	1 · 94	—	—
Jersey	30 · 016	42 · 0	40 · 6	46 · 8	38 · 8	62	1891	18	1895	2 · 41	95 · 0	34
Hurst Castle	29 · 996	39 · 8	38 · 8	45 · 4	36 · 3	60	1877	17	1895	2 · 10	—	—
Dover	29 · 990	38 · 8	37 · 7	44 · 2	35 · 5	56	1882	11	1889	1 · 81	—	—
LONDON	29 · 996	38 · 1	36 · 8	45 · 5	34 · 5	62	1876, 91	10	1895	1 · 64	33 · 0†	12†
Oxford	29 · 994	37 · 3	36 · 1	44 · 9	34 · 2	64	1891	7	1895	1 · 76	66 · 3	24
Cambridge	29 · 987	36 · 7	35 · 7	45 · 5	32 · 1	67	1891	6	1895	1 · 42	70 · 5	26
Yarmouth	29 · 967	37 · 8	36 · 9	42 · 3	34 · 0	58	1872	15	1895	1 · 73	—	—

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

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.5 ins. and more over the Azores, the Bay of Biscay, and nearly the whole of France, and exceeding 30.3 ins. over the Channel and S. of England

Lowest Below 29.2 ins. over the Shetland Islands.

Gradients very steep over Scotland and the Shetlands, rather so over England, slight over France.

Barometer falling over our Islands generally – not rapidly, but more in N. than elsewhere.

TEMPERATURE

Highest 53° to 50° on our N^W. and W^W. coasts, and the coasts of Brittany.

Lowest (1) 23° to 30° over Sweden, 34° at Faeroer; (2) 35° to 38° over Germany and the inland parts of the south of France.

It had risen generally over our Islands – as much as 10° to 16° in Scotland – and was much in excess of the mean for the time of year.

WIND

WSW. and SW. on all our coasts, and blowing a gale at several of our northwestern stations.

SW. to S. in Denmark and Norway – a gale at Skudesnaes, light and variable (mainly W.) over France.

The gale was very strong at Belmullet in the night.

WEATHER

Fair and quiet over France and Germany, very cloudy over the United Kingdom, with squalls of rain at some of our W^W. stations.

A good deal of rain has fallen in the Hebrides and Shetlands, smaller quantities in several other localities. Bright sunshine recorded yesterday amounted to 8 hrs. at Southport, 6.8 hrs. at Aberdeen, 6.1 hrs. at Llandudno, and to about 4 hrs. on our SW^W. coasts. In London there was only 0.4 hr.

SEA

Rough in the extreme W. and N., moderate in the English Channel.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the N., though large, is not likely to affect the weather of our southern regions much, but some shallow secondary systems may cause a little rain at times. In the northwest and north SW. and W. gales are probable, with rain. Mild weather is their probable.

FORECASTS

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

DISTRICTS.		FORECASTS.
▼	SCOTLAND NORTH	W. gales and strong winds; cloudy, squally, rain at times
1	SCOTLAND EAST	SW. winds, fresh or strong; gusty, showery.
2	ENGLAND N.E.	
3	ENGLAND EAST	SW. winds, very fresh; gusty, showery.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
▼	6 SCOTLAND WEST	Same as No. 0.
7	ENGLAND N.W.	SW. winds, strong; squally, showery.
8	ENGLAND S.W.	
▼	9 IRELAND NORTH	Same as No. 0.
10	IRELAND SOUTH	Same as Nos. 7 and 8.
	WARNINGS	At 7.15 pm. yesterday to districts 0, 6 and 9. Hoist South Cone.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29·67	41	37	W	8	c	5
Sumburgh Head	29·64	41	37	WNW	10	c	6
Stornoway	29·81	44	43	W	4	0	4
Aberdeen	29·91	47	41	W	2	bcq	3
Shields	30·09	48	43	WSW	4	c	2
Ardrossan	30·06	47	47	W	4	b	3
Malin Head ...	30·06	47	47	WNW	6	bc	5
Belmullet	30·22	50	48	WSW	4	0	*
Holyhead	30·23	50	47	WSW	3	bc	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·34	52	50	SW	5	c	5
Scilly	30·39	53	51	W	5	c	4
Jersey	30·44	54	51	W	4	c	3
Hurst Castle ...	30·23	50	48	WSW	4	cp	3
Dungeness ...	30·28	53	48	WSW	4	c	3
North Foreland	30·27	49	47	W	4	c	3
London (Westminster)	30·28	54	49	W	3	0	*
Yarmouth ...	30·18	49	44	WNW	4	bc	3
Rochefort ...	30·52	52	50	N	3	b	*

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

Weather in morning fair and quiet over the S.E. of Europe, the Mediterranean, Spain, the N. of France and the greater part of England; changeable elsewhere. Snow falling in Finland; rain at some of our NW^m. stations, as well as at Berlin, and several stations in central France. Considerable rain falling later in the Hebrides, the Shetlands and at Christiansund, as well as at Belfort and at Munich. Slight local showers in many other places.

Temperature rising decidedly in almost all districts. Morning readings highest 53° at Algeria, 51° at San Fernando and Biarritz, 50° at Scilly and Valencia (Ireland), 47° at Belmullet, 46° at Holyhead. Lowest 1° F. at Moscow, 15° at Hermanstadt, 11° at Cracow, and below 30° over Russia and Austria Hungary generally, as well as on the Swedish coasts. Rising later to between 50° and 55° over the United Kingdom and the W. of France, and to 59° at Perpignan.

Wind light and very variable over all the E^m. and S^m. countries; NW.^y to SW.^y and moderate over the British Islands, SW.^y over the North Sea, S.^y over the Baltic, SE.^y over Finland and the N^m. parts of Scandinavia. Backing towards S. in Ireland and the W. of Scotland later.

Barometer highest (1) 30.6 ins. at Madrid, and exceeding 30.3 ins. over the whole of Spain, France and the greater part of SE^m. Europe (2) exceeding 30.2 ins. over the N. of Russia. Lowest below 29.2 ins. in a depression near Norway and the Shetland Islands. Barometer after rising all over NW^m. Europe, beginning to fall again in Ireland and Scotland towards evening.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Wednesday 16th February, 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 ...	29·61	29	S	4	o	29·38	−·34	27	26	−1	SSE	4	o	#	o	#	30	21	0·08
	Hernösand ...	29·46	32	S	8	s	29·01	−·78	33	33	+10	S	2	f	#	s	#	34	21	0·32
	Stockholm ...	29·65	33	2	o	o	29·14	−·72	36	35	+6	S	4	o	#	o	#	36	28	0·16
	Wisby	29·77	34	NNW	4	o	29·25	−·66	38	37	+4	SW	4	bc	#	o	#	38	28	0·35
	Karlstad ...	29·41	36	S	6	r	29·04	−·89	36	35	+9	SSW	2	o	#	r	#	#	#	0·16
	Bodö	28·96	34	ESE	7	o	28·83	−·73	35	31	0	ESE	6	o	2	o	#	36	28	—
	Christiansund ...	28·95	40	WSW	8	r	28·75	−·74	36	31	0	NNW	7	c	6	r	#	43	34	0·24
	Skudesnaes ...	29·39	45	SW	8	bc	29·10	−·64	36	35	−6	W	8	c	6	r, bc, 2	#	45	34	#
	Færder (Christiania Fjord)	29·33	41	SW	6	mc	29·06	−·86	37	35	+3	WSW	5	c	4	mc	#	41	34	0·12
	Skagen (The Scaw)	29·45	44	WNW	5	c	29·17	−·82	37	36	−1	WNW	5	c	1	c	#	45	36	0·32
	Fanö	29·67	45	SW	7	o	29·47	−·61	34	37	−1	WNW	6	c	#	o	#	45	37	0·20
	Sumburgh Head	29·02	39	SW	8	r	29·00	−·17	38	36	−9	W	9	r	7	c, r	#	50	34	0·25
	Stornoway ...	29·34	39	WNW	8	rq	29·57	+·30	37	34	−14	NW	6	o	6	o, rhq	4·0	51	32	0·40
	Wick	29·26	42	WNW	7	o	29·25	−·04	35	35	−17	NW	9	cw	5	rsp, 2	#	52	33	0·12
	Nairn	29·40	43	W	4	o	29·53	+·15	39	34	−13	W	6	o	4	o, rs	#	52	32	0·36
	Aberdeen ...	29·48	46	WSW	7	bqm	29·54	+·01	36	32	−16	W	5	bq	3	cpq, bq	5·0	54	33	0·12
	Leith	29·69	46	WSW	5	c	29·70	+·08	40	37	−13	WSW	4	bc	#	c	#	55	36	0·15
	Shields	29·78	48	SW	5	b	29·79	−·07	42	39	−8	WSW	4	b	2	c, b, pq	#	57	39	0·03
	Spurn Head ...	29·87	50	WSW	5	c	29·85	−·15	43	40	−3	W	6	bc	5	cw	#	52	43	—
	York	29·90	53	W	3	o	29·90	−·08	45	40	−4	WNW	6	bc	#	o	0·0	56	41	0·04
	Loughborough ...	30·01	52	SW	6	c	30·01	−·12	45	40	−3	W	5	bq	#	cpq, bq	#	55	42	0·01
British Islands	Ardrossan ...	29·75	47	WSW	5	o	29·81	+·06	43	42	−7	W	8	chp	5	c, oq	#	50	41	0·11
	Malin Head ...	29·76	46	W	8	cqm	29·93	+·28	44	43	−7	W	8	c	6	cm, bc, cq	#	51	41	0·11
	Belmullet ...	30·04	48	W	4	o	30·21	+·32	47	43	−5	NW	5	c	#	b, o	#	52	43	0·03
	Donaghadee ...	29·86	47	W	8	bc	30·01	+·14	44	40	−9	W	8	b	6	bc	#	53	43	—
	Liverpool (Bidston)	29·98	51	WSW	7	bc	30·04	+·03	45	42	−5	WSW	8	bc	7	bc	#	56	44	0·01
	Holyhead ...	30·02	48	WSW	5	bc	30·15	+·09	46	44	−3	WNW	6	cpq	5	gpd, bc	#	51	44	0·02
	Parsonstown ...	30·41	46	SE	1	c	30·23	+·18	45	41	−8	W	1	o	#	c, or	0·5	54	44	0·03
	Valencia ...	30·22	50	W	4	cw	30·36	+·19	48	45	−5	WNW	4	o	5	omq, cw	0·0	54	47	0·01
	Roche's Point ..	30·17	54	W	5	c	30·32	+·10	47	45	−5	WNW	4	b	3	c	#	55	43	—
	Pembroke (St. Ann's Hd.)	30·15	51	W	6	o	30·26	+·05	48	46	−2	NW	4	cq	4	o	0·0	50	45	
	Scilly	30·31	52	W	5	o	30·35	−·03	50	48	−1	WNW	5	c	4	om, pm	0·3	54	48	—
	Prawle Point ...	30·30	48	WSW	6	o	30·31	−·08	46	45	−2	W	3	c	3	op, 2	#	50	45	0·03
	Jersey (St. Anbin's)	30·41	51	SW	4	oq	30·34	−·14	51	50	+2	W	5	opw	4	oq	#	52	48	0·02
	Hurst Castle ...	30·25	50	SW	6	omc	30·23	−·12	47	44	−2	W	4	c	4	p, omc	#	51	46	0·01
	Dungeness ...	30·20	49	WSW	5	o	30·14	−·14	44	43	−4	WSW	5	c	4	oq	#	50	43	0·01
	North Foreland	30·16	48	SW	5	cq	30·11	−·15	44	42	−3	WSW	4	b	3	o, cq	#	53	42	—
	London (Brixton) ...	30·14	52	WSW	4	o	30·13	−·15	43	40	−5	WNW	2	bc	#	c, b	0·0	54	40	—
	Oxford	30·12	51	WSW	6	pd	30·13	−·12	43	40	−4	WSW	2	bc	#	o, pd	+	52	41	—
	Cambridge ...	30·07	53	SW	5	oq	30·05	−·14	44	41	−3	WSW	4	b	#	oq	0·4	54	42	—
	Yarmouth ...	30·01	52	WSW	6	cq	29·94	−·20	43	40	−2	W	5	b	3	cq	#	52	40	—
Germany & Holland.	Cuxhaven ...	29·88	43	WSW	6	o	29·62	−·57	42	42	+6	W	7	c	#	o, r	#	45	36	0·16
	Berlin	30·05	42	SW	3	r	29·71	−·56	46	45	+8	W	4	o	#	r	#	46	38	0·16
	Wiesbaden ...	#	#	#	#	#	30·06	−·36	46	45	+9	SW	2	o	#	#	#	46	37	0·16
	Munich	30·39	37	SW	5	r	30·18	−·29	39	38	+4	W	7	r	#	r	#	39	35	0·16
	The Helder ...	29·95	47	SW	5	o	29·82	−·36	45	41	+2	WSW	7	bc	3	o	#	47	43	—
Belgium. France &	Brussels ...	#	#	#	#	#	30·11	−·28	47	45	+6	WNW	5	o	#	r	#	48	40	0·04
	Cape Gris Nez ...	30·16	49	WNW	6	o	30·11	−·15	47	45	−1	WNW	5	bc	5	o	#	50	43	0·04
	Paris	30·42	50	SW	2	c	30·30	−·19	48	47	+6	SW	3	bc	#	c	#	55	42	—
	Brest	30·46	51	SW	3	c	30·40	−·10	50	49	0	WNW	3	f	3	c	#	52	46	—
	Lorient	30·51	51	W	5	o	30·43	−·08	51	51	0	W	5	r	5	o	#	55	43	0·04
	Rochefort ...														#		#			
	Belfort	30·46	35	WSW	3	o	30·33	−·23	41	39	+5	WSW	6	o	#	o	#	44	35	0·04
	Lyons	30·56	46	NNW	1	o	30·53	−·04	42	40	+5	WNW	1	s	#	o	#	51	37	—
	Nice	30·39	47	2	0	b	30·30	−·06	43	38	+1	2	0	bc	0	b	#	55	42	—
	Perpignan ...	30·60	51	NW	3	b	30·44	−·06	50	44	+4	NW	3	b	#	b	#	56	46	—
	Biarritz ...	30·52	51	NE	3	bc	30·49	−·03	44	42	−3	S	3	b	4	bc	#	54	43	—
Peninsula.	Corunna ...														#		#			
	Lisbon	30·46	57	NNE	4	b	30·46	−·04	52	45	+4	ENE	5	b	#	b	#	66	48	—
	Azores (P. Delgada)	30·53	59	E	4	c	30·52	+·02	55	50	0	NE	3	c	3	c	#	63	54	—

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

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

Bright Sunshine yesterday Southport... 0·0 hrs;

WEATHER CHARTS

FOR WEDNESDAY, 16th FEBRUARY, 1898

BAROMETER, WIND AND SEA.

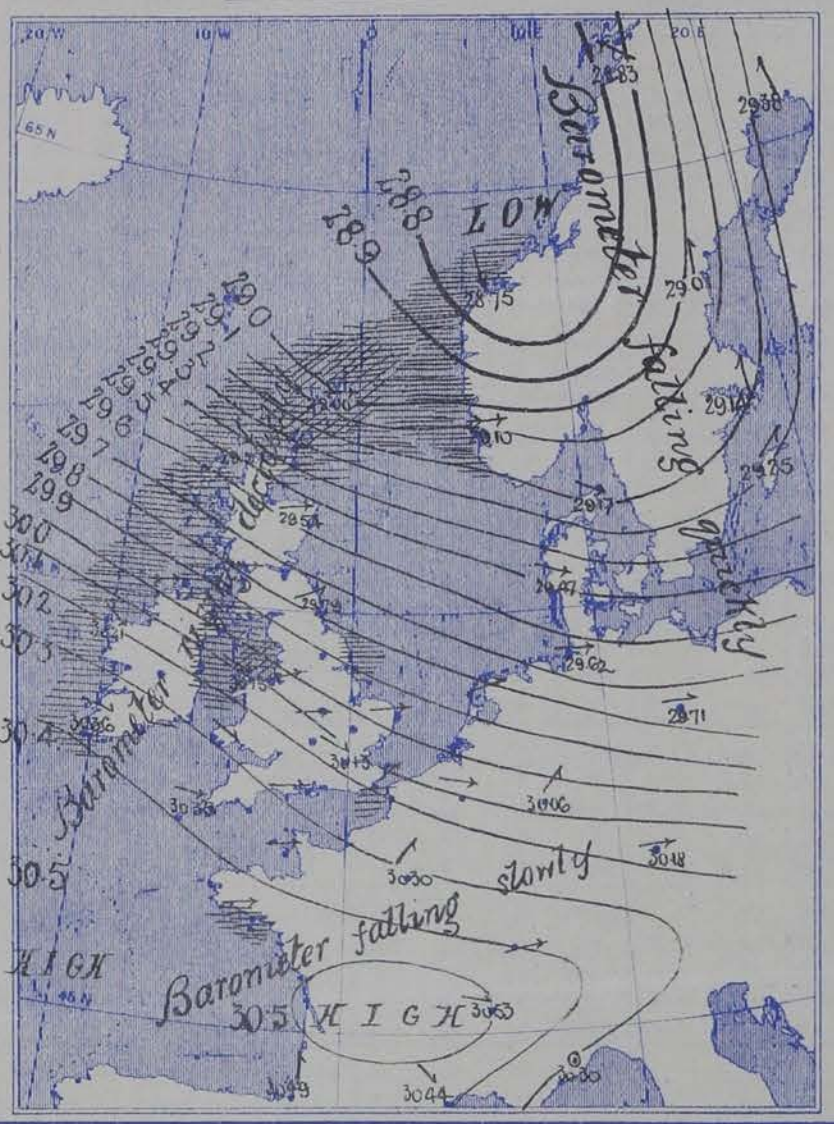
BAROMETER—Isobars are drawn for each tenth of an inch.

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*

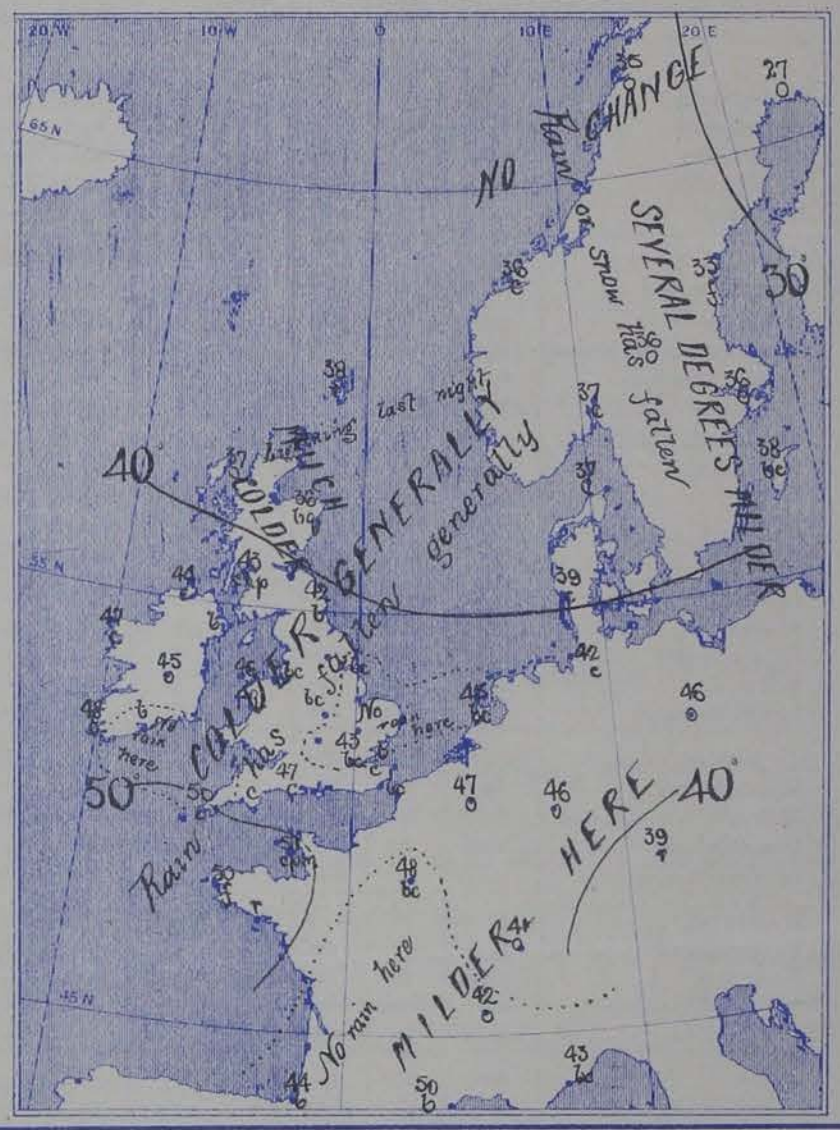


TEMPERATURE & WEATHER.

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 FEBRUARY.

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 · 772	38 · 6	37 · 2	42 · 2	34 · 4	51	1887, 91	17	1895	3 · 11	—	—
Stornoway	29 · 775	38 · 9	38 · 0	43 · 6	34 · 2	55	1891	12	1892	3 · 80	63 · 6	25
Wick	29 · 800	37 · 7	36 · 4	42 · 9	32 · 9	59	1878	2	1895	2 · 16	—	—
Nairn	29 · 815	36 · 7	35 · 1	43 · 4	32 · 5	64	1891	0	1895	1 · 65	—	—
Aberdeen	29 · 853	36 · 9	35 · 2	43 · 1	33 · 3	59	1878, 83	6	1895	2 · 26	73 · 4	28
Leith	29 · 873	38 · 1	36 · 7	45 · 5	33 · 9	59	1882	12	1895	1 · 51	—	—
Shields	29 · 908	38 · 3	36 · 9	43 · 9	34 · 4	59	1887	7	1895	1 · 50	—	—
Spurn Head	29 · 938	38 · 1	37 · 2	42 · 2	35 · 4	57*	1891	20*	1895	1 · 32	—	—
York	29 · 945	37 · 0	36 · 0	44 · 4	33 · 2	59	1872, 78	3	1895	1 · 68	60 · 0	22
Loughborough	29 · 972	36 · 7	35 · 5	45 · 2	33 · 0	64*	1891	−5*	1895	1 · 71	—	—
Ardrossan	29 · 880	39 · 2	38 · 0	44 · 4	35 · 9	56	1891	13	1895	2 · 93	—	—
Malin Head	29 · 844	41 · 0	39 · 5	45 · 5	38 · 3	—	—	—	—	—	—	—
Belmullet	29 · 870	42 · 3	40 · 7	47 · 2	38 · 8	—	—	—	—	4 · 20	—	—
Donaghadee	29 · 894	40 · 0	39 · 1	45 · 5	36 · 6	56	1894	16	1895	2 · 34	—	—
Holyhead	29 · 923	41 · 1	39 · 8	45 · 4	38 · 3	59	1891	17	1895	2 · 42	—	—
Liverpool	29 · 943	38 · 5	37 · 0	44 · 3	35 · 7	62	1878	12	1895	1 · 68	—	—
Parsonstown	29 · 915	39 · 1	37 · 8	46 · 8	35 · 1	59	1891	6	1895	2 · 16	68 · 0	25
Valencia	29 · 917	44 · 3	42 · 6	49 · 5	40 · 3	58	1891	22	1895	4 · 89	72 · 9	27
Roche's Point	29 · 927	43 · 0	41 · 4	48 · 2	39 · 4	56	1877, 89	25	1895	4 · 19	—	—
Pembroke	29 · 948	41 · 8	40 · 5	45 · 3	39 · 0	52	1877, 91	23	1895	2 · 62	79 · 9	29
Scilly	29 · 964	45 · 7	44 · 1	48 · 6	42 · 4	56	1877	27	1895	2 · 62	—	—
Prawle Point	29 · 996	41 · 2	40 · 2	46 · 6	37 · 8	57*	1891	21*	1888, 92, 95	1 · 94	—	—
Jersey	30 · 016	42 · 0	40 · 6	46 · 8	38 · 8	62	1891	18	1895	2 · 41	95 · 0	34
Hurst Castle	29 · 996	39 · 8	38 · 8	45 · 4	36 · 3	60	1877	17	1895	2 · 10	—	—
Dover	29 · 990	38 · 8	37 · 7	44 · 2	35 · 5	56	1882	11	1889	1 · 81	—	—
LONDON	29 · 996	38 · 1	36 · 8	45 · 5	34 · 5	62	1876, 91	10	1895	1 · 64	33 · 0†	12†
Oxford	29 · 994	37 · 3	36 · 1	44 · 9	34 · 2	64	1891	7	1895	1 · 76	66 · 3	24
Cambridge	29 · 987	36 · 7	35 · 7	45 · 5	32 · 1	67	1891	6	1895	1 · 42	70 · 5	26
Yarmouth	29 · 967	37 · 8	36 · 9	42 · 3	34 · 0	58	1872	15	1895	1 · 73	—	—

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

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30·5 ins. and more to 30·3 ins. in an anticyclone lying over the Bay of Biscay and stretching inland over Spain, France and the southwestern parts of our Islands.
Lowest below 28·8 ins. over the NW. of Norway, and 29·0 ins. at Dunburgh Head.
Gradients steep, especially over the northern parts of our Islands and the North Sea.
Barometer rising decidedly in Scotland and Ireland, but steady in London.

TEMPERATURE

Highest 51° at Lorient and Jersey, 50° at Brest and Scilly, 48° at Pembroke, 47° at Belmullet.
Lowest (1) 27° at Haparanda, 33° at Hernösand, 35° at Bodö and at Wick, 36° at Aberdeen.
It was falling all over our Islands, but especially in Scotland, where the change varied from 13° to 19° since yesterday.

WIND

NW. ½ to W. ½ all over the Kingdom, and was blowing a gale on all our North and Northwest coasts.
It was W. ½, strong to a gale, over the North Sea, S. ½ in Sweden, and SE. ½ over Finland.
The gale was severe at Wick during the night.

WEATHER

Varied greatly in different districts – fine and bright over the greater part of England, but showery and squally over our SW. ½ and W. ½ districts, raining at Dunburgh Hd.; and not at all settled anywhere.
Showers have fallen except in the S. of England. Bright Sunshine recorded yesterday amounted to 5 hrs. at Aberdeen, 4 hrs at Stornoway but was less than an hour elsewhere – at most stations there was none.

SEA

High in the north and northwest, moderate in the English Channel.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

As the complex depression in the N. passes off the gales will die down slowly, and temperature go down generally.

FORECASTS

For the 24 hours ending at NOON on 17TH FEB 1898

DISTRICTS.	FORECASTS.
1 SCOTLAND NORTH	NW. ½ and W. ½ gales, moderating slowly; colder, some sleet or rain showers.
SCOTLAND EAST	
2 ENGLAND N.E.	W. ½ and NW. ½ winds, strong; some slight cold showers.
3 ENGLAND EAST	
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	W. ½ and NW. ½ winds, very fresh or strong; fair as a whole, colder.
6 SCOTLAND WEST	Same as Nos. 0 and 1.
7 ENGLAND N.W.	
8 ENGLAND S.W.	Same as No. 5.
9 IRELAND NORTH	Same as Nos. 0 and 1.
10 IRELAND SOUTH	NW. ½ winds, fresh, gusty colder.
WARNINGS	At 7.30 pm yesterday to district 1 part of Hoist South Cone. The signals are still flying in districts 0 6 and 9.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.44	44	44	S	9	r	6
Sumburgh Head	29.10	45	41	SW	8	c	6
Stornoway	29.38	45	42	W	6	o	6
Aberdeen	29.49	52	43	SW	7	bq	4
Shields	29.73	56	51	SW	5	c	2
Ardrossan	29.78	50	49	WSW	4	c	4
Malin Head ...	29.76	48	47	W	6	bc	4
Belmullet	29.99	50	45	W	6	b	*
Holyhead	30.02	50	50	SW	6	ogmpq	5

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.17	53	53	SW	7	om	6
Scilly	30.34	53	51	SW	5	om	4
Jersey	30.44	51	49	WSW	5	o	4
Hurst Castle ...	30.28	51	49	WSW	5	om	4
Dungeness ...	30.23	50	48	WSW	5	oq	4
North Foreland	30.19	51	51	WSW	5	o	3
London (Westminster)	30.19	55	51	WSW	4	c	*
Yarmouth ...	30.04	50	48	WSW	5	cq	4
Rochefort ...	30.61	54	50	NW	3	c	*

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

Weather in morning fine and bright over central and E^m. Russia, as well as over the Spanish peninsula, the Bay of Biscay and the greater part of France; dull and unsettled over the E^m. part of the Mediterranean on the one hand, very unsettled in many parts of N^m. and NW^m. Europe on the other. Snow in Finland, rain in the W. of our Islands, and also at Palermo and Malta. Some rain falling later over almost all parts of the central and NW^m. countries, snow in the far N. — amounts considerable in the Hebrides, Shetlands and in several parts of Scandinavia.

Temperature rises rapidly in Scotland. Morning readings highest 53° at Valencia (Ireland) and above 50° over the W^m. and N^m. parts of our Islands generally, 48° in London and at Cape Gris Nez, 40° at Fano. Lowest −15° F. at Moscow, +4° at Kharkov, 10° at Kiev and Hermanstadt, and below 32° over Russia and Sweden generally. Rising later to between 50° and 59° over our Islands, as well as the greater part of France, but touching 66° at Lisbon.

Wind (1) light and anticyclonic over Spain, France and southeastern Europe, (2) cyclonic, but moderate to light over Sardinia, Sicily and the south of Italy; (3) cyclonic in direction and strong to a gale in force — from the NW^nd. over our W^m. and N^rn. districts, and from SE in the west of Norway. Strong W^ly. gales felt later over Scotland and the north of Ireland, and still later in the southwest of Norway.

Barometer highest 30.61 ins. at Madrid, and exceeding 30.3 ins. all over Spain, the Bay of Biscay, France, S. Germany, and some of the S^m. parts of Russia. Lowest below 29.2 ins. in a depression near the Shetland Islands; "V shaped" secondaries observed over several parts of Russia, Poland and Hungary, and a large but shallow depression over the E^m. parts of the Mediterranean. Rising decidedly over Ireland and W of Scotland later, falling over N^m. 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.

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

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 17th February, 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 ...	29.38	20	S	6	S	29.59	+.21	18	18	- 9	ESE	2	S	*	S	*	30	18	0.08
	Hernösand ...	29.03	33	SW	0	S	29.25	+.24	30	28	- 3	NE	4	S	*	S	*	34	28	0.20
	Stockholm ...	29.00	34	W	2	S	29.07	-.07	30	30	- 6	SW	2	S	*	S	*	39	30	0.16
	Wisby	29.09	35	SW	4	b	29.10	-.15	34	33	- 4	SSW	4	S	*	b	*	39	30	0.04
	Karlstad ...	29.01	33	SW	0	b	29.06	+.02	24	23	- 12	N	2	S	*	b	*	*	*	-
	Bodö	29.02	36	ENE	4	O	29.82	+.49	31	27	- 4	E	4	b	1	O	*	37	30	-
	Christiansund ...	28.65	36	SW	6	S	29.17	+.42	37	34	+ 1	ENE	4	O	5	S	*	37	36	0.35
	Skudesnaes ...	29.23	39	NNW	9	O	29.36	+.26	38	36	+ 2	NW	9	O	4	O	*	39	34	*
	Færder (Christiania Fjord)	28.66	38	W	4	b	29.02	-.04	37	34	0	W	4	c	4	b	*	38	36	-
	Skagen (The Scaw)	29.13	38	NW	6	bc	29.10	-.07	39	36	+ 2	NW	6	bc	1	bc	*	41	36	-
	Fanö	29.43	38	NNW	6	b	29.45	-.02	38	35	- 1	NW	6	c	*	b	*	41	36	0.08
British Isles.	Sumburgh Head	29.38	36	NNW	7	r	29.61	+.61	32	32	- 6	NW	7	S	7	c.r	*	40	31	0.06
	Stornoway ...	29.89	38	NNW	7	O	30.03	+.46	38	37	+ 1	W	3	O	4	O,	0.0	39	28	0.15
	Wick	29.64	38	NW	8	c	29.87	+.62	37	36	+ 2	N	7	bcu	4	c	*	40	34	0.08
	Nairn	29.84	38	NNW	5	S	30.00	+.47	38	35	- 1	NNW	3	c	2	rsp	*	42	32	0.04
	Aberdeen ...	29.77	36	W	7	bcq	29.95	+.41	36	34	0	NW	4	crsp	3	sp.bcq	7.1	40	34	0.01
	Leith	29.94	38	W	3	b	30.04	+.34	37	34	- 3	WSW	2	bcm	*	b	*	48	34	-
	Shields	29.91	41	W	4	bc	30.05	+.26	36	33	- 6	SW	3	b	2	p.b	*	48	33	-
	Spurn Head ...	29.91	43	WSW	7	c	30.04	+.19	37	34	- 6	NNW	5	b	5	c.p	*	46	36	-
	York	29.97	43	NNW	4	b	30.09	+.19	36	33	- 9	W	1	b	*	b	2.5	49	33	-
	Loughborough ...	30.05	46	WSW	5	bc	30.16	+.14	38	37	- 7	NNW	2	cm	*	bc.qp.c	*	52	36	0.01
	Ardrossan ...	30.00	41	W	6	oqp	30.06	+.25	42	41	- 1	NW	3	opo	2	bcqp.oqp	*	46	39	0.03
	Malin Head ...	30.11	45	NNW	6	cq	30.11	+.18	44	44	0	NW	3	oq	3	c.cq	*	45	42	0.03
	Belmullet ...	30.29	47	NNW	3	O	30.15	-.06	46	45	- 1	?NNW	5	om	*	O	*	49	40	0.02
	Donaghadee ...	30.13	44	NNW	7	c	30.17	+.16	39	38	- 5	W	5	c	3	c	*	48	38	0.01
	Liverpool (Bidston)	30.11	45	W	9	O	30.16	+.12	43	39	- 2	WNW	6	O	5	op	*	49	39	0.04
	Holyhead ...	30.20	47	NNW	7	e	30.20	+.05	44	40	- 2	NW	4	c	3	cqp.c	*	48	40	-
	Parsonstown ...	30.30	47	W	1	O	?30.25	+.02	44	44	- 1	Z	0	d	*	bc.o	5.4	51	44	0.01
	Valencia ...	30.38	49	NNW	1	bc	30.27	-.09	51	50	+ 3	WSW	2	om	4	c.bc	2.2	51	46	0.08
	Roche's Point ..	30.34	50	NNW	4	b	30.26	-.06	47	45	0	NW	2	bc	3	b	*	52	45	-
	Pembroke (St. Ann's Hd.)	30.25	49	NW	5	bc	30.26	.00	46	43	- 2	NW	3	bc	4	bc	4.6	49	43	-
	Scilly	30.34	51	NNW	4	c	30.30	-.05	49	48	- 1	W	1	m	4	c	4.3	53	48	0.01
	Prawle Point ...	30.31	46	W	3	bc	30.29	-.02	44	43	- 2	WNW	2	c	2	bc	*	52	43	-
	Jersey (St. Aubin's)	30.30	50	NNW	4	bcm	30.30	-.04	47	45	- 4	WNW	2	cm	2	bcm	*	54	46	-
	Hurst Castle ...	30.21	48	W	3	c	30.25	+.02	43	40	- 4	WNW	2	b	2	c	*	53	49	-
	Dungeness ...	30.10	48	W	4	bc	30.16	+.02	41	38	- 3	NW	4	bc	3	bc	*	55	41	-
	North Foreland	30.08	48	W	6	c	30.12	+.01	40	38	- 4	W	6	b	4	bc.c	*	50	38	-
	London (Brixton) ...	30.13	49	WSW	4	c	30.18	+.05	42	38	- 1	NW	2	c	*	bc.c	4.7	58	40	-
	Oxford	30.17	45	WNW	3	c	30.20	+.07	40	38	- 3	WSW	2	O	*	bc	*	52	39	-
	Cambridge ...	30.09	47	NW	6	c	30.17	+.12	36	35	- 8	W	1	b	*	q.b.c	7.7	54	33	-
	Yarmouth ...	29.95	46	WSW	5	c	30.04	+.10	35	33	- 8	W	4	b	5	cq.cqp	*	49	33	0.02
Germany & Holland.	Cuxhaven ...	29.58	40	W	6	o	29.57	-.05	38	38	- 4	NW	6	ophs	*	ot.p	*	43	37	0.12
	Berlin	29.60	36	WNW	4	O	29.55	-.16	36	35	- 10	NNW	5	c	*	O	*	46	34	0.16
	Wiesbaden ...	*	*	*	*	*	29.96	-.10	38	35	- 8	NW	4	c	*	*	*	52	36	0.24
	Munich... ..	29.99	42	W	7	O	29.94	-.24	32	32	- 7	W	6	c	*	O	*	43	32	0.28
	The Helder ...	29.80	42	NNW	8	r	29.87	+.05	41	37	- 4	NW	6	bc	3	bc.r	*	46	37	0.16
Belgium.	Brussels ...	*	*	*	*	*	30.10	-.01	35	33	- 12	W	4	b	*	r	*	49	34	-
	Cape Gris Nez...	30.11	48	W	4	c	30.10	-.01	42	38	- 5	NW	5	c	5	c	*	48	39	-
	Paris	30.24	50	NNW	4	bc	30.22	-.08	44	41	- 4	NNW	3	c	*	bo	*	57	44	-
	Brest	30.45	51	WNW	1	f	30.37	-.03	49	46	- 1	NW	3	c	2	f	*	52	46	-
	Lorient... ...	30.39	51	NNW	4	r	30.36	-.07	47	47	- 4	NW	2	b	2	c	*	54	39	-
France &	Rochefort ...	30.46	50	NNW	4	r	30.33		48	47		NNE	2	b	*	r	*	52	46	0.08
	Belfort	30.19	42	W	7	O	30.10	-.23	39	37	- 2	WSW	5	c	*	O	*	43	39	0.20
	Lyons	30.39	43	E	1	O	30.27	-.26	43	40	+ 1	W	3	O	*	O	*	48	42	-
	Nice	30.09	46	SSW	1	c	29.92	-.38	41	40	- 2	Z	0	c	2	c	*	57	39	-
	Perpignan ...	30.38	55	NW	3	b	30.22	-.22	53	49	+ 3	NW	5	bc	*	b	*	61	50	-
	Biarritz ...	30.51	48	W	3	O	30.35	-.14	52	50	+ 8	W	4	O	0	O	*	55	44	-
Penin-sula.	Corunna ...																*			
	Lisbon	30.37	60	ENE	4	b	30.33	-.13	52	46	0	NE	3	b	*	b	*	68	60	-
	Azores (P. Delgada)	30.49	56	ENE	3	bc	30.41	-.11	55	51	0	NE	4	O	3	bc	*	63	54	-

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

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

Bright Sunshine yesterday Southport 1.8 hrs;

WEATHER CHARTS

FOR Thursday, 17th February, 1898

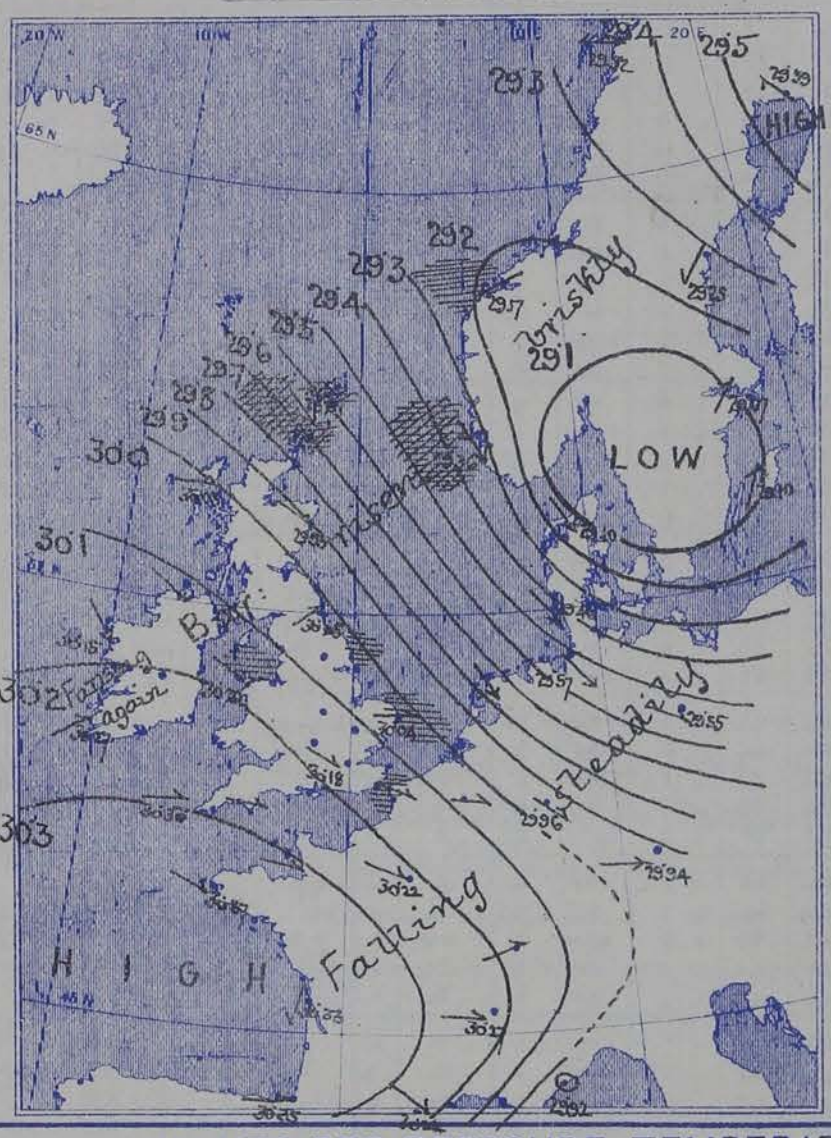
BAROMETER, WIND AND SEA.

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* ▤

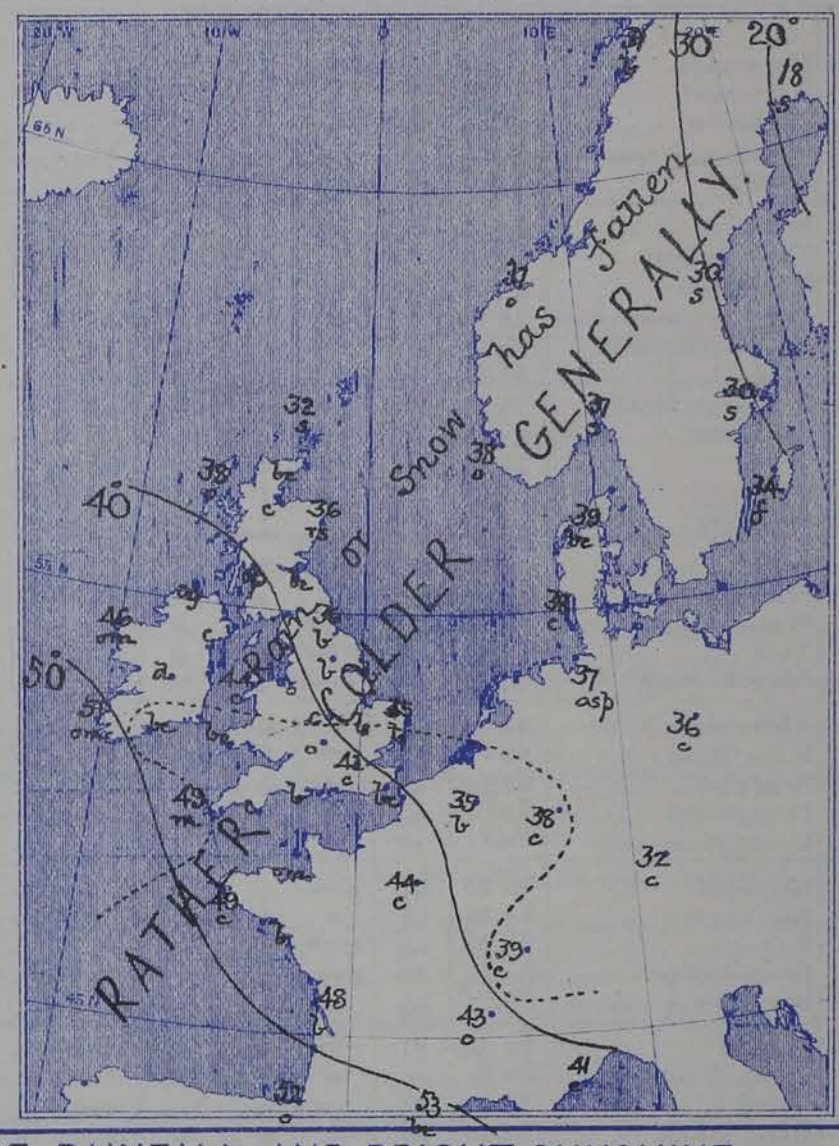


TEMPERATURE & WEATHER.

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 FEBRUARY.

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 · 772	38 · 6	37 · 2	42 · 2	34 · 4	51	1887, 91	17	1895	3 · 11	—	—
Stornoway	29 · 775	38 · 9	38 · 0	43 · 6	34 · 2	55	1891	12	1892	3 · 80	63 · 6	25
Wick	29 · 800	37 · 7	36 · 4	42 · 9	32 · 9	59	1878	2	1895	2 · 16	—	—
Nairn	29 · 815	36 · 7	35 · 1	43 · 4	32 · 5	64	1891	0	1895	1 · 65	—	—
Aberdeen	29 · 853	36 · 9	35 · 2	43 · 1	33 · 3	59	1878, 83	6	1895	2 · 26	73 · 4	28
Leith	29 · 873	38 · 1	36 · 7	45 · 5	33 · 9	59	1882	12	1895	1 · 51	—	—
Shields	29 · 908	38 · 3	36 · 9	43 · 9	34 · 4	59	1887	7	1895	1 · 50	—	—
Spurn Head	29 · 938	38 · 1	37 · 2	42 · 2	35 · 4	57*	1891	20*	1895	1 · 32	—	—
York	29 · 945	37 · 0	36 · 0	44 · 4	33 · 2	59	1872, 78	3	1895	1 · 68	60 · 0	22
Loughborough	29 · 972	36 · 7	35 · 5	45 · 2	33 · 0	64*	1891	—5*	1895	1 · 71	—	—
Ardrossan	29 · 880	39 · 2	38 · 0	44 · 4	35 · 9	56	1891	13	1895	2 · 93	—	—
Malin Head	29 · 844	41 · 0	39 · 5	45 · 5	38 · 3	—	—	—	—	—	—	—
Belmullet	29 · 870	42 · 3	40 · 7	47 · 2	38 · 8	—	—	—	—	4 · 20	—	—
Donaghadee	29 · 894	40 · 0	39 · 1	45 · 5	36 · 6	56	1894	16	1895	2 · 34	—	—
Holyhead	29 · 923	41 · 1	39 · 8	45 · 4	38 · 3	59	1891	17	1895	2 · 42	—	—
Liverpool	29 · 943	38 · 5	37 · 0	44 · 3	35 · 7	62	1878	12	1895	1 · 68	—	—
Parsonstown	29 · 915	39 · 1	37 · 8	46 · 8	35 · 1	59	1891	6	1895	2 · 16	68 · 0	25
Valencia	29 · 917	44 · 3	42 · 6	49 · 5	40 · 3	58	1891	22	1895	4 · 89	72 · 9	27
Roche's Point	29 · 927	43 · 0	41 · 4	48 · 2	39 · 4	56	1877, 89	25	1895	4 · 19	—	—
Pembroke	29 · 948	41 · 8	40 · 5	45 · 3	39 · 0	52	1877, 91	23	1895	2 · 62	79 · 9	29
Scilly	29 · 964	45 · 7	44 · 1	48 · 6	42 · 4	56	1877	27	1895	2 · 62	—	—
Prawle Point	29 · 996	41 · 2	40 · 2	46 · 6	37 · 8	57*	1891	21*	1888, 92, 95	1 · 94	—	—
Jersey	30 · 016	42 · 0	40 · 6	46 · 8	38 · 8	62	1891	18	1895	2 · 41	95 · 0	34
Hurst Castle	29 · 996	39 · 8	38 · 8	45 · 4	36 · 3	60	1877	17	1895	2 · 10	—	—
Dover	29 · 990	38 · 8	37 · 7	44 · 2	35 · 5	56	1882	11	1889	1 · 81	—	—
LONDON	29 · 996	38 · 1	36 · 8	45 · 5	34 · 5	62	1876, 91	10	1895	1 · 64	33 · 0†	12†
Oxford	29 · 994	37 · 3	36 · 1	44 · 9	34 · 2	64	1891	7	1895	1 · 76	66 · 3	24
Cambridge	29 · 987	36 · 7	35 · 7	45 · 5	32 · 1	67	1891	6	1895	1 · 42	70 · 5	26
Yarmouth	29 · 967	37 · 8	36 · 9	42 · 3	34 · 0	58	1872	15	1895	1 · 73	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 ins: and more over the Bay of Biscay, and exceeding 30·1 ins: all over France, Ireland, and the southwestern half of England.
Lowest, Below 29·1 ins: in a depression over the south of Sweden.
Gradients still steep for NW^{ly} winds, over the North Sea.
Barometer rising in the north and east, but has begun to fall fast in the west of Ireland.

TEMPERATURE

Highest, 52° at Biarritz, 51° at Valencia (Ireland), 49° at Scilly, 47° at Jersey.
Lowest, (1) 18° at Haparanda, 24° at Karlstad, 30° at Stockholm; (2) 32° at Lumburgh Hd., 35° at Yarmouth, 36° at Aberdeen, York and Cambridge.
It has again fallen over Great Britain, France, and Germany, but shows some tendency to rise over Ireland.

WIND

Still blowing strongly from NW. over the North Sea, but has moderated over the greater part of our Islands, and is beginning to back again in the west of Ireland.
The NW^{ly} gales have again been strong over Scotland and the North Sea

WEATHER

Fair over the greater part of England and Ireland, but still rough in the northeast of Scotland, in Denmark and Germany; it is very fine over the Bay of Biscay.
Rain has fallen over all the northern and eastern countries, snow at some stations. Bright Sunshine recorded yesterday amounted to – more than 7 hrs at Aberdeen, Cambridge, and Hastings, and more than 6 hrs at Eastbourne and Brighton.

SEA

Still high on our northern, and rough on our eastern coasts, moderate in the English Channel.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A new depression is evidently coming towards our Islands from the Atlantic; any improvement that may occur in the weather over England today will therefore prove very temporary. Our west and northwest coasts have been warned.

FORECASTS

For the 24 hours ending at NOON on 18TH FEB: **1898**

DISTRICTS.	FORECASTS.
▼ 0 SCOTLAND NORTH	Wind backing to SW. and increasing again, with rain; milder.
▼ 1 SCOTLAND EAST	NW^{ly} to SW^{ly} winds; temporarily finer and milder, but not settled.
2 ENGLAND N.E.	
3 ENGLAND EAST	
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
▼ 6 SCOTLAND WEST	Same as No. 0
7 ENGLAND N.W.	
8 ENGLAND S.W.	
▼ 9 IRELAND NORTH	
▼ 10 IRELAND SOUTH	

WARNINGS

At 10·30 am today to districts 0, 6, 9, and 10 Hoist South Cone. The signals are still flying in part of district 1.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29·13	38	36	WSW	9	o	7
Sumburgh Head	29·23	38	36	WNW	7	r	7
Stornoway	29·75	39	35	NNW	8	c	8
Aberdeen	29·65	39	35	WNW	8	bq	5
Shields	29·82	46	40	WNW	6	b	2
Ardrossan	29·92	46	43	W	7	bqr	5
Malin Head ...	30·03	44	44	W	7	c	6
Belmullet	30·28	48	44	NW	5	o	*
Holyhead	30·16	47	44	WNW	7	cqr	6

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·37	50	47	W	3	c	4
Scilly	30·36	52	49	WNW	4	c	4
Jersey	30·33	53	50	WNW	5	bc	4
Hurst Castle ...	30·22	53	47	W	5	bc	3
Dungeness ...	30·12	54	48	WSW	4	bc	3
North Foreland	30·09	50	47	W	6	bc	4
London (Westminster)	30·12	53	46	W	3	c	*
Yarmouth ...	29·95	48	42	WSW	5	cqr	3
Rochefort ...	30·50	52	51	SW	3	o	*

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

Weather in morning fine and bright over Spain on the one hand and over Central Russia on the other – fine over the greater part of England also. Very rough as a whole over the northern and northwestern countries, as well as in several parts of France, with some rain in many places, snow in the north and east of Russia and over Central Europe. Rain or snow continuing in the last named regions later, but amounts measured were not large. Sky bright over England generally.

Temperature falling decidedly over our Islands. Morning readings highest 55° at Algiers, and exceeding 50° on the southern and eastern shores of the Mediterranean, on the southwest coast of Spain, and on the coasts of Brittany. Lowest (1) – 14° F. at Moscow, +5° at Kharkov, and much below the freezing point all over Russia; 33° at Haparanda, 35° to 39° over the north and east of Scotland. Rising to between 50° and 55° at our southern and southwestern stations later, and to 61° at Perpignan; falling quickly towards night.

Wind light and anticyclonic over southwestern and southeastern Europe, as well as over Central Russia. A large cyclonic circulation of strong winds and gales prevailing over the northern countries. W to NW over our Islands and the North Sea, S over the Baltic and Finland, SE over Lapland, but NNW at Christiansund. Gale dying down very slowly on our north and northeast coasts later – still blowing hard over the North Sea.

Barometer highest (1) 30·6 in: to 30·4 in: over Spain and the southwest of France; (2) Exceeding 30·4 in: over Central Russia. Lowest, (1) 28·8 in: and less to 29·1 in: in a complex depression lying over the northern half of Scandinavia and the Shetland Islands; (2) below 30·3 in: in a small shallow depression over the northern parts of the Mediterranean. Northern depression moving eastwards later and barometer rising fast over 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 Friday, 18th February, 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 ...	29.78	13	SE	2	0	29.92	+.83	14	14	- 4	SE	2	S	*	0	*	25	7	-
	Hernosand ...	29.59	24	NE	4	S	29.75	+.50	19	18	- 11	N	4	0	*	S	*	34	19	0.24
	Stockholm ...	29.32	33	E	0	S	29.43	+.36	28	27	- 2	N	2	0	*	S	*	36	28	0.12
	Wisby	29.28	33	N	4	b	29.38	+.28	33	32	- 1	NE	4	bc	*	b	*	36	30	-
	Karlstad ...	29.32	31	NNW	2	0	29.53	+.47	27	26	+ 3	NNE	2	S	*	0.S	*	*	*	0.04
	Bodö	29.55	24	E	4	b	29.71	+.39	25	20	- 6	E	4	b	1	b	*	31	21	-
	Christiansund ...	29.49	33	ENE	2	0	29.65	+.48	31	30	- 6	E	1	b	4	b	*	39	30	-
	Skudesnaes ...	29.49	39	SW	8	c	29.54	+.18	34	33	- 4	N	4	bc	3	c	*	41	32	*
	Færder (Christiania Fjord)	29.37	33	NNW	4	b	29.46	+.44	31	28	- 6	NNE	6	c	3	b	*	37	30	-
	Skagen (The Scaw)	29.36	34	NE	4	0	29.47	+.37	36	33	- 4	NE	4	0	1	0	*	43	34	-
	Fanö	29.47	40	NW	8	c	29.49	+.04	35	34	- 3	W	0	0	*	c	*	41	35	0.08
	Sumburgh Head	29.77	34	NW	5	0	29.85	+.24	32	30	0	N	4	0	6	0	*	35	31	0.01
	Stornoway ...	29.95	36	NNE	2	0	30.01	-.02	34	33	- 4	N	3	0	3	c.r.o	0.0	40	31	0.03
	Wick	29.87	35	N	4	bc	29.92	+.05	35	34	- 2	N	4	0	2	c	*	38	30	0.05
	Nairn	29.93	36	NW	1	0	29.98	-.02	34	32	- 4	N	2	c	2	0	*	41	30	0.01
	Aberdeen ...	29.91	36	NW	3	oq	29.92	-.03	35	32	- 1	NW	4	bcq	3	rs.o.rsp	0.2	38	31	0.06
	Leith	29.93	40	W	0	0	29.94	-.10	35	32	- 2	N	2	bc	*	0	*	43	33	-
	Shields	29.92	41	NNW	2	m	29.90	-.15	34	32	- 2	WNW	3	c	2	o.m.sp	*	43	32	-
	Spurn Head ...	29.93	41	NNW	3	0	29.83	-.21	37	34	0	NNW	4	o	4	c.p	*	43	37	0.01
	York	29.93	43	N	1	0	29.88	-.21	34	32	- 2	NNW	1	o	*	c.o	2.0	48	32	0.01
	Loughborough ...	29.98	42	NNW	1	0	29.87	-.28	37	36	- 1	NNE	2	ogm	*	c.or.gm	*	44	37	0.10
British Islands	Ardrossan ...	29.93	43	W	3	odmp	29.95	-.11	33	32	- 9	NNE	2	om	1	o.mdp	*	45	32	-
	Malin Head ...	29.91	40	SE	3	r	29.93	-.18	39	39	- 5	E	5	o	2	r	*	44	38	0.25
	Belmullet ...	29.95	50	E	3	f	29.94	-.21	41	40	- 5	ENE	5	c	*	f	*	50	40	0.23
	Donaghadee ...	29.95	42	SSE	2	r	29.92	-.25	39	37	0	E	6	c	4	dm	*	44	37	0.17
	Liverpool (Bidston)	29.98	42	NNW	1	r	29.87	-.29	37	35	- 6	ENE	4	r	?	c.r	*	44	37	0.09
	Holyhead ...	29.94	46	S	1	fa	29.81	-.39	41	40	- 3	ESE	5	gmr	4	gpa.as	*	48	40	0.26
	Parsonstown ...	29.99	50	W	1	r	29.81	-.44	47	47	+ 3	S	0	a	*	oa	0.0	52	43	0.10
	Valencia ...	30.09	51	WSW	3	rm	29.88	-.39	49	49	- 2	NW	2	om	4	rm	0.0	52	48	0.06
	Roche's Point ..	30.06	53	WNW	2	c	29.86	-.40	49	47	+ 2	W	3	bc	3	c	*	55	47	-
	Pembroke (St. Ann's Hd.)	30.01	50	NW	4	0	29.81	-.45	49	49	+ 3	NW	4	r	4	0	0.0	53	46	0.12
	Scilly	30.11	51	W	4	cpm	29.86	-.44	51	50	+ 2	WNW	4	cpm	3	c.omp	1.8	53	47	0.02
	Prawle Point ...	30.06	49	W	4	c	29.83	-.46	48	47	+ 4	W	4	bc	3	c.orm	*	51	42	0.02
	Jersey (St. Aubin's)	30.11	50	W	3	omr	29.87	-.43	50	50	+ 3	WSW	3	odm	3	bc.pf	*	53	46	0.05
	Hurst Castle ...	30.04	47	WSW	3	om	29.79	-.46	48	48	+ 5	W	1	dm	2	c.om	*	50	44	0.02
	Dungeness ...	30.03	44	WSW	2	0	29.80	-.36	40	40	- 1	NNE	2	r	1	c.o	*	47	40	0.03
	North Foreland	30.03	42	W	3	0	29.82	-.30	40	40	0	NNW	3	0	2	0	*	45	38	0.10
	London (Brixton) ...	30.02	45	W	2	0	29.83	-.35	39	39	- 3	E	2	omw	*	pdm.or	0.1	46	38	0.09
	Oxford	29.95	45	WSW	2	r	29.84	-.36	38	38	- 2	ENE	2	op	*	o.r	*	47	38	0.13
	Cambridge ...	29.99	43	NW	2	0	29.85	-.32	38	38	+ 2	N	1	om	*	c.o	3.0	46	34	0.08
	Yarmouth ...	29.94	41	NNW	3	e	29.80	-.24	39	38	+ 4	NW	3	c	4	c	*	44	33	0.02
Germany & Holland	Cuxhaven ...	29.58	40	NW	7	0	29.54	-.03	39	39	+ 1	NNW	5	c	*	o.r	*	41	36	0.04
	Berlin	29.54	36	NNW	5	0	29.49	-.06	36	35	0	NNW	5	0	*	0	*	41	34	0.16
	Wiesbaden ...	*	*	*	*	*	29.76	-.20	36	35	- 2	SW	2	0	*	*	*	43	36	0.08
	Munich	29.93	32	W	6	0	29.79	-.15	32	31	0	W	5	S	*	0	*	36	30	0.04
	The Helder ...	29.84	39	NNW	3	bc	29.74	-.13	40	36	- 1	SW	3	bc	2	bc	*	43	36	0.12
Belgium.	Brussels ...	*	*	*	*	*	29.81	-.29	37	37	+ 2	WSW	1	0	*	0	*	44	35	0.04
	Cape Gris Nez ...	30.00	45	NW	4	m	29.81	-.29	41	40	- 1	E	2	r	2	m	*	45	37	0.08
	Paris	30.13	45	NNW	3	0	29.80	-.42	47	46	+ 3	W	3	r	*	0	*	50	42	0.08
	Brest	30.19	51	NW	3	0	29.93	-.44	50	49	+ 1	NW	3	f	3	0	*	52	46	-
	Lorient	30.19	52	WNW	4	0	29.92	-.44	50	50	+ 3	NW	3	bc	3	0	*	54	44	-
France &	Rochefort ...	30.27	49	WNW	3	bc	30.04	-.29	49	47	+ 1	NW	4	c	*	b.bc	*	55	40	-
	Belfort	30.09	38	W	3	0	29.83	-.27	36	36	- 3	SW	5	r	*	0	*	44	35	0.16
	Lyons	30.20	43	NW	1	0	29.99	-.28	40	38	- 3	SSE	1	r	*	0	*	49	39	-
	Nice	29.78	48	E	0	bc	29.76	-.16	44	40	+ 3	E	0	bc	1	bc	*	59	41	-
	Perpignan ...	30.10	57	NW	5	b	29.97	-.25	53	46	6	NW	3	b	*	b	*	61	38	-
	Biarritz ...	30.25	53	W	4	0	30.00	-.35	50	50	- 2	SW	3	r	4	0	*	54	50	0.28
Peninsula.	Corunna ...																*			
	Lisbon	30.14	59	N	3	b	30.01	-.32	46	43	- 6	NNE	3	0	*	b	*	66	46	-
	Azores (P. Delgada)	30.30	55	NE	3	0	30.14	-.27	54	51	- 1	NNW	3	c	2	0	*	59	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 0.2 hrs;

WEATHER CHARTS

FOR Fridays 18th Februarys 1898

BAROMETER, WIND AND SEA.

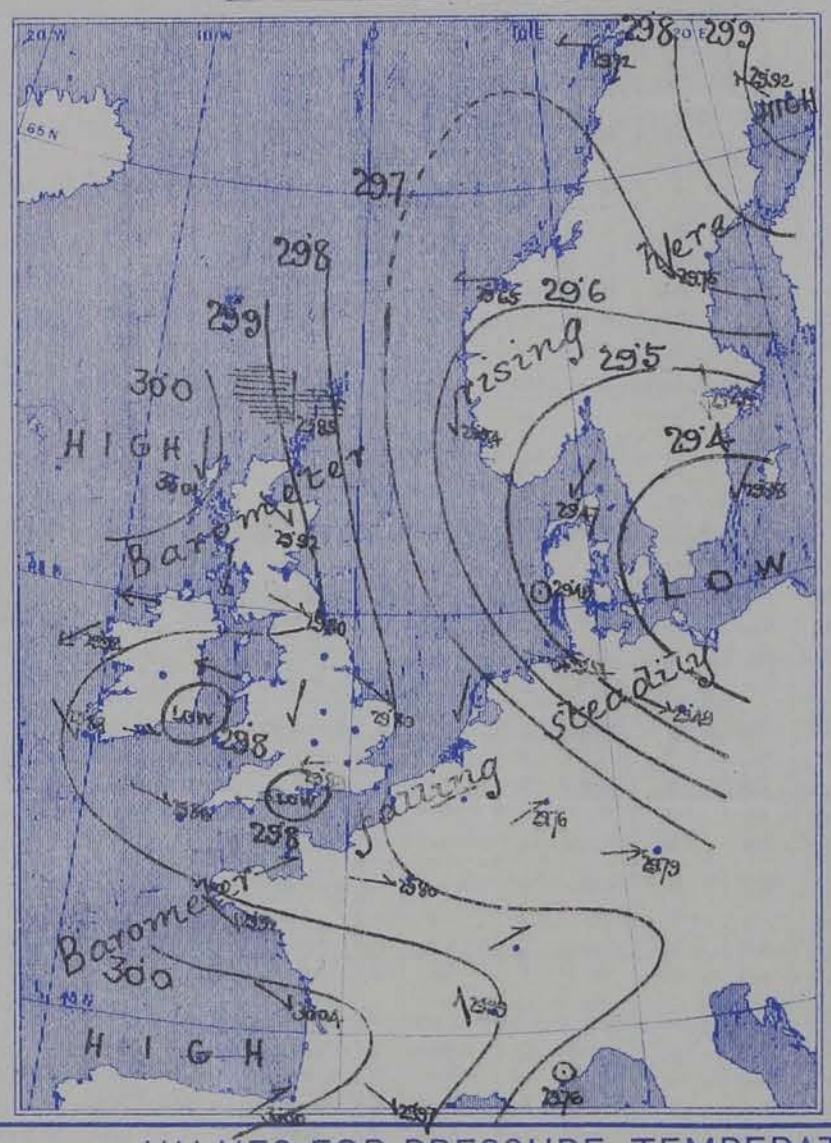
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▨

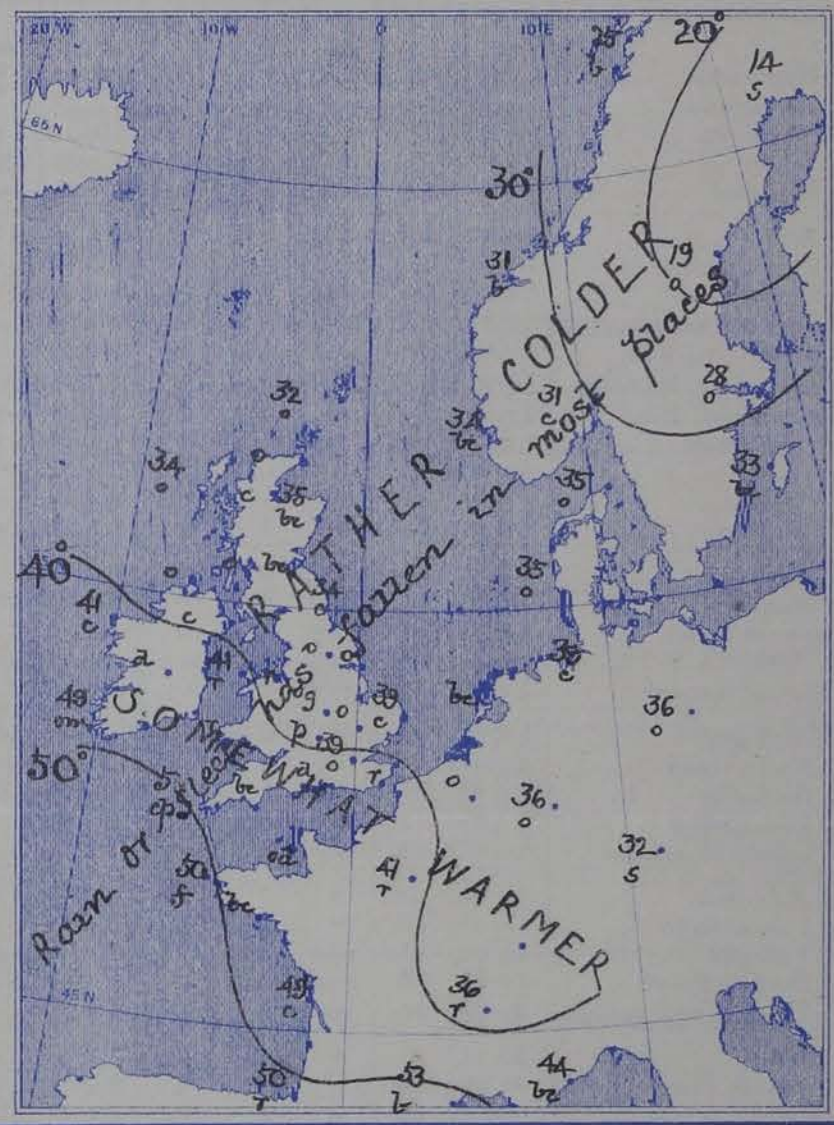


TEMPERATURE & WEATHER.

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 FEBRUARY.*

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 · 772	38 · 6	37 · 2	42 · 2	34 · 4	51	1887, 91	17	1895	3 · 11	—	—
Stornoway	29 · 775	38 · 9	38 · 0	43 · 6	34 · 2	55	1891	12	1892	3 · 80	63 · 6	25
Wick	29 · 800	37 · 7	36 · 4	42 · 9	32 · 9	59	1878	2	1895	2 · 16	—	—
Nairn	29 · 815	36 · 7	35 · 1	43 · 4	32 · 5	64	1891	0	1895	1 · 65	—	—
Aberdeen	29 · 853	36 · 9	35 · 2	43 · 1	33 · 3	59	1878, 83	6	1895	2 · 26	73 · 4	28
Leith	29 · 873	38 · 1	36 · 7	45 · 5	33 · 9	59	1882	12	1895	1 · 51	—	—
Shields	29 · 908	38 · 3	36 · 9	43 · 9	34 · 4	59	1887	7	1895	1 · 50	—	—
Spurn Head	29 · 938	38 · 1	37 · 2	42 · 2	35 · 4	57*	1891	20*	1895	1 · 32	—	—
York	29 · 945	37 · 0	36 · 0	44 · 4	33 · 2	59	1872, 78	3	1895	1 · 68	60 · 0	22
Loughborough	29 · 972	36 · 7	35 · 5	45 · 2	33 · 0	64*	1891	−5*	1895	1 · 71	—	—
Ardrossan	29 · 880	39 · 2	38 · 0	44 · 4	35 · 9	56	1891	13	1895	2 · 93	—	—
Malin Head	29 · 844	41 · 0	39 · 5	45 · 5	38 · 3	—	—	—	—	—	—	—
Belmullet	29 · 870	42 · 3	40 · 7	47 · 2	38 · 8	—	—	—	—	4 · 20	—	—
Donaghadee	29 · 894	40 · 0	39 · 1	45 · 5	36 · 6	56	1894	16	1895	2 · 34	—	—
Holyhead	29 · 923	41 · 1	39 · 8	45 · 4	38 · 3	59	1891	17	1895	2 · 42	—	—
Liverpool	29 · 943	38 · 5	37 · 0	44 · 3	35 · 7	62	1878	12	1895	1 · 68	—	—
Parsonstown	29 · 915	39 · 1	37 · 8	46 · 8	35 · 1	59	1891	6	1895	2 · 16	68 · 0	25
Valencia	29 · 917	44 · 3	42 · 6	49 · 5	40 · 3	58	1891	22	1895	4 · 89	72 · 9	27
Roche's Point	29 · 927	43 · 0	41 · 4	48 · 2	39 · 4	56	1877, 89	25	1895	4 · 19	—	—
Pembroke	29 · 948	41 · 8	40 · 5	45 · 3	39 · 0	52	1877, 91	23	1895	2 · 62	79 · 9	29
Scilly	29 · 964	45 · 7	44 · 1	48 · 6	42 · 4	56	1877	27	1895	2 · 62	—	—
Prawle Point	29 · 996	41 · 2	40 · 2	46 · 6	37 · 8	57*	1891	21*	1888, 92, 95	1 · 94	—	—
Jersey	30 · 016	42 · 0	40 · 6	46 · 8	38 · 8	62	1891	18	1895	2 · 41	95 · 0	34
Hurst Castle	29 · 996	39 · 8	38 · 8	45 · 4	36 · 3	60	1877	17	1895	2 · 10	—	—
Dover	29 · 990	38 · 8	37 · 7	44 · 2	35 · 5	56	1882	11	1889	1 · 81	—	—
LONDON	29 · 996	38 · 1	36 · 8	45 · 5	34 · 5	62	1876, 91	10	1895	1 · 64	33 · 0†	12†
Oxford	29 · 994	37 · 3	36 · 1	44 · 9	34 · 2	64	1891	7	1895	1 · 76	66 · 3	24
Cambridge	29 · 987	36 · 7	35 · 7	45 · 5	32 · 1	67	1891	6	1895	1 · 42	70 · 5	26
Yarmouth	29 · 967	37 · 8	36 · 9	42 · 3	34 · 0	58	1872	15	1895	1 · 73	—	—

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

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest 30.0 ins. and more (1) over the N. of Spain and the SW. of France, and (2) over the W. of Scotland, the Hebrides, and adjacent parts of the Atlantic; above 29.9 ins. over the E. of Lapland.
Lowest. Below 29.4 ins. in a depression over the Baltic and N. Germany, and below 29.8 ins. in two shallow secondary systems – one over Hampshire, the other over St. George's Channel & the E. of Ireland.
Gradients very variable – mostly slight over the United Kingdom.
Barometer rising in the N. and NW, falling in the S.

TEMPERATURE — Highest 51° at Scilly, 50° to 49° along the west coast of France and at Jersey, 48° at Hurst Castle.
Lowest (1) 14° at Haparanda, and much below the freezing point over Sweden generally; (2) 32° to 35° at the Scotch stations.
It was falling decidedly over Gt. Britain as a whole, but at 8 o'clock the change had not reached the English Channel.

WIND — Varied greatly. It was, generally speaking E. ¾ to N. ¾ over Scandinavia, N. ¾ over Scotland, E. ¾ to N. and NW. ¾ over Ireland, NW. ¾ to W. ¾ over the Channel and Bay of Biscay, but very variable over the Irish Sea and S. of England. It was strong over the Irish Sea only.

WEATHER — Had become fair in Scotland, but was very unsettled over England, the two Channels and the E. of Ireland, with cold rain in several places.
Showers of cold rain or sleet had fallen very generally over our Islands and their neighbourhood but the amounts measured are small. Bright Sunshine recorded yesterday 3 hrs. at Brighton and Cambridge, 2 hrs. at Eastbourne, very little elsewhere.

SEA — going down generally, but was still rough at Dunbeagh Hd.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The two local depressions referred to above are travelling SE wds. and in their rear a keen N. ¾ wind is likely to be felt in most places, with frost inland tonight.

FORECASTS

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

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	N. ¾ and NW. ¾ winds light, fair, very cold tonight.
1 SCOTLAND EAST	
2 ENGLAND N.E.	N. ¾ breezes, light, some showers, then finer, colder.
3 ENGLAND EAST	Same as No. 5.
4 MIDLAND COUNTIES	Same as No. 2.
5 ENGLAND SOUTH	Variable airs, gloomy and rainy; then light NE. or N. breezes, finer, colder.
6 SCOTLAND WEST	Same as Nos. 0 and 1.
7 ENGLAND N.W.	E. ¾ and N. ¾ breezes, weather becoming drier & considerably colder.
8 ENGLAND S.W.	NW. ¾ to NE. ¾ winds, moderate, rain at first, then colder and finer.
9 IRELAND NORTH	Same as No. 7.
10 IRELAND SOUTH	Same as No. 8.
WARNINGS	The Signals all lowered this morning.

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 ...	29·45	40	38	NW	? 9	b	5
Sumburgh Head	29·76	34	34	NW	6	0	7
Stornoway	29·97	40	38	N	1	r	1
Aberdeen	29·94	36	35	NW	3	0	3
Shields	29·99	42	37	SW	3	o	4
Ardrossan	29·99	43	42	W	3	0	3
Malin Head ...	30·05	43	43	ESE	3	r	2
Belmullet	30·04	50	50	W	4	f	*
Holyhead	30·09	46	44	SW	2	gmpd	2
Valencia	30·18	52	51	WSW	3	om	4
Scilly	30·20	52	51	W	4	omp	4
Jersey	30·22	52	47	W	3	bc	3
Hurst Castle ...	30·14	50	45	WNW	4	c	3
Dungeness ...	30·09	46	42	WNW	4	c	3
North Foreland	30·08	43	42	W	5	o	4
London (Westminster)	30·10	48	42	W	3	o	*
Yarmouth ...	30·00	44	38	NW	4	bc	4
Rochefort ...	30·35	54	51	NNW	2	b	*

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

Weather in morning fine and bright over Algeria, Spain the greater part of France, and fair over many parts of our Islands; unsettled elsewhere, with showers of cold rain or sleet over Scotland, snow in many parts of Russia and Sweden, fog at Wisby and Karlstad. Cold showers falling later over the United Kingdom and neighbourhood, but amounts measured not large.

Temperature falling unsteadily over the British Islands and France, and more decidedly over the N. of Russia — risen over the S. of Russia. Morning readings highest 57° at Algiers, 52° at Lisbon and Biarritz, 51° at Valencia (Ireland) and above 45° on our SW. coasts generally. Lowest −7° at Moscow, +1° at Archangel, 14° at St. Petersburg, and much below the freezing point over Russia as a whole; 32° at Munich and also at Sumburgh Hd. Changing little and fitfully later; falling fast over Scotland at night.

Wind generally NW. by W. over the British Islands and still blowing strongly at some N. stations; W. by W. moderate to fresh over central Europe, but SE. by E. over Russia and Finland, E. by S. over the northern parts of Scandinavia. A separate cyclonic circulation of moderate winds prevailing over Italy and the northern parts of the Mediterranean. E. by S. breezes setting in later over the northern parts of Ireland, but W. by N. breezes continuing in the southward.

Barometer in morning, highest (1) 30·4 ins. to 30·2 ins. in an anticyclone lying over Spain, the Bay of Biscay, France, and the SW. parts of our Islands; (2) 30·0 ins. and more over the NW. and central parts of Russia. Lowest 29·1 ins. and less to 29·2 ins. in a complex depression over Scandinavia and the Baltic; and about 29·9 ins. in a small shallow system lying between Leghorn and Rome. Rising later over Scandinavia, but falling very briskly over the United Kingdom — most in the northwest.

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 February, 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 ...	30.01	4	SW	0	b	29.96	+.04	6	5	− 8	E	2	bc	#	b	#	18	1	0.08
	Hernösand ...	29.86	19	N	2	0	29.86	+.11	14	14	− 5	NW	2	S	#	0	#	23	14	–
	Stockholm ...	29.66	?	E	4	0	29.71	+.28	24	23	− 4	NNE	2	0	#	0	#	34	24	0.08
	Wisby	29.52	33	SE	4	S	29.58	+.20	31	30	− 2	E	4	S	#	S	#	36	28	0.20
	Karlstad ...	29.68	26	N	2	b	29.72	+.19	25	24	− 2	NNE	2	0	#	b	#	#	#	–
	Bodö	29.76	22	E	4	b	29.65	−.06	21	?	− 4	E	5	b	2	b	#	25	19	–
	Christiansund ...	29.68	33	SSE	2	0	29.54	−.11	33	32	+ 2	SSW	3	0	4	0	#	36	30	–
	Skudesnaes ...	29.71	35	SW	0	b	29.63	+.09	35	34	+ 1	S	8	0	4	b	#	41	32	#
	Færder (Christiania Fjord)	29.69	30	NNE	5	bc	29.71	+.25	27	25	− 4	NE	2	0	1	bc	#	31	25	–
	Skagen (The Scaw)	29.67	30	NE	4	0	29.68	+.21	31	31	− 4	NE	1	0	0	0	#	35	28	
	Fanö	29.67	34	NNW	4	c	29.71	+.22	30	29	− 5	NNE	2	b	#	c	#	39	30	0.08
	Sumburgh Head	29.90	32	N	3	0	29.46	−.39	37	36	+ 5	NW	3	0	5	c.o	#	39	30	0.26
	Stornoway ...	30.06	34	N	3	0	29.66	−.35	42	41	+ 8	W	3	0	3	c,o	1.3	42	30	0.10
	Wick	29.95	35	N	3	0	29.53	−.39	37	37	+ 2	NW	3	r	2	o	#	38	30	0.05
	Nairn	30.04	35	NNW	2	c	29.68	−.30	35	35	+ 1	NNW	3	0	2	s.c	#	38	30	0.02
	Aberdeen ...	29.99	33	NW	4	c	29.68	−.24	36	33	+ 1	SW	2	c q s p	3	c q s p	3.3	37	32	0.03
	Leith	30.02	36	NNE	2	bc	29.80	+.14	35	33	0	WSW	3	o m	#	bc	#	42	30	–
	Shields	29.97	37	N	3	c	29.85	−.05	32	30	− 2	SW	2	o	4	s p, c	#	40	29	0.03
	Spurn Head ...	29.89	40	NNW	4	c	29.87	+.04	34	31	− 3	WNW	4	c	4	c r s p	#	40	33	0.01
	York	29.94	36	N	1	o p	29.86	−.02	32	29	− 2	W	1	0	#	o p	0.2	41	28	0.01
	Loughborough ...	29.94	37	N	1	c	29.95	+.08	29	28	− 8	NW	1	c m	#	g m, e a, c	#	40	26	–
British Islands.	Ardrossan ...	30.03	37	NNW	1	b	29.84	−.11	42	41	+ 9	W	3	0	2	bc, b	#	42	30	–
	Malin Head ...	30.08	39	NE	3	c p r s	29.90	−.03	41	41	+ 2	WNW	5	c g r m	3	b, s p	#	41	37	0.02
	Belmullet ...	30.14	41	ENE	4	0	30.07	+.13	40	39	− 1	NW	3	0	#	bc. o	#	44	35	0.03
	Donaghadee ...	30.07	39	NNE	4	c	29.96	+.04	37	36	− 2	WNW	4	c	2	c	#	41	35	–
	Liverpool (Bidston)	30.10	36	NE	1	b	29.95	+.08	38	34	+ 1	NW	3	o	2	r.b	#	40	32	–
	Holyhead ...	30.00	40	NE	3	c	29.99	+.18	40	38	− 1	NNW	3	o	3	r. c	#	41	37	0.07
	Parsonstown ...	30.08	39	N	1	0	30.07	+.26	32	31	− 15	SW	0	0	#	0, 2, b	0.0	47	28	–
	Valencia ...	30.03	45	NE	4	0	30.14	+.26	34	31	− 15	ENE	1	b	3	c. o	2.2	50	32	–
	Roche's Point ...	29.97	43	ENE	4	0	30.10	+.24	36	34	− 13	NNW	3	b	3	o	#	50	33	–
	Pembroke (St. Ann's Hd.)	29.95	40	ENE	3	0	30.02	+.21	38	34	− 11	SE	1	c	3	o	0.3	50	35	–
	Scilly	29.84	51	N	4	q p	29.99	+.13	41	37	− 16	ENE	4	b c	3	c	4.0	52	37	–
	Prawle Point ...	29.86	42	NE	5	r	30.02	+.19	31	30	− 17	N	2	b	2	c p	#	53	29	0.06
	Jersey (St. Aubin's)	29.79	51	W	4	o g p	29.97	+.10	40	37	− 10	NE	3	b c	3	a p. o, p	#	52	39	0.06
	Hurst Castle ...	29.88	38	NE	3	o	30.00	+.21	31	30	− 17	NNW	2	b m	2	m a, o	#	48	30	0.23
	Dungeness ...	29.84	37	NNE	2	r	29.91	+.11	31	31	− 9	NNW	2	b	1	r.b	#	42	29	0.12
	North Foreland	29.87	40	N	3	c	29.90	+.08	36	35	− 4	NW	3	b c	2	o. c	#	42	34	–
	London (Brixton) ...	29.90	37	NNE	3	o	29.96	+.13	31	29	− 8	W	2	b	#	o r s, b	0.0	41	30	0.16
	Oxford	29.98	32	NE	2	b	30.00	+.16	28	27	− 10	WNW	2	b m	#	r. r s. b	#	39	27	0.18
	Cambridge ...	29.92	36	NNW	2	o	29.96	+.11	30	28	− 8	NNW	2	b	#	o	0.0	41	28	–
	Yarmouth ...	29.83	40	NNW	4	c	29.86	+.06	36	34	− 3	WNW	4	c	4	p, b c. s	#	42	34	0.04
Germany & Holland.	Cuxhaven ...	29.62	37	NNW	2	b	29.66	+.12	34	34	− 5	N	2	c	#	r. b	#	41	34	0.08
	Berlin	29.56	35	NW	3	o	29.57	+.08	33	32	− 8	NNW	3	s	#	o	#	37	33	0.08
	Wiesbaden ...	*	*	*	*	*	29.76	.00	37	35	+ 1	NW	2	o	#	*	#	41	34	0.04
	Munich	29.73	29	W	2	s	29.77	−.02	29	29	− 8	W	4	c	#	s	#	34	28	0.12
	The Helder ...	29.74	41	NW	3	b c	29.76	+.02	40	37	0	NNW	2	b c	2	b c	#	43	37	0.04
Belgium.	Brussels ...	*	*	*	*	*	29.88	+.07	33	33	− 4	WNW	1	s	#	b	#	42	30	–
	Cape Gris Nez ...	?29.81	39	ENE	2	r	?29.87	+.06	37	36	− 4	N	4	m	4	r	#	43	36	0.20
	Paris	29.81	41	NE	2	r	29.91	+.11	31	31	− 16	S	0	m	#	r	#	52	30	0.12
	Brest	29.92	51	NW	2	c	29.96	+.09	43	42	− 7	NE	2	c	4	c	#	54	41	–
	Lorient	29.87	52	NW	3	c	29.91	−.01	43	42	− 7	ENE	4	c	3	c	#	55	39	–
France &	Rochefort ...	29.93	50	NNW	4	c	29.89	−.15	48	46	− 1	NE	8	o	#	c	#	55	46	–
	Belfort	29.71	40	NW	2	r	29.83	.00	29	28	− 7	E	3	m	#	r	#	42	28	?1.06
	Lyons	29.86	43	S	1	o	29.80	−.19	35	34	− 5	N	3	o	#	o	#	46	35	–
	Nice	29.65	47	SW	0	b	29.56	−.20	40	39	− 4	E	2	b c	2	b	#	57	40	–
	Perpignan ...	29.85	54	N	3	b	29.77	−.20	50	47	− 9	N	2	o	#	b	#	63	46	–
	Biarritz ...	29.88	52	SW	0	o	29.77	−.23	48	48	− 2	SSE	2	o	2	o	#	54	37	0.08
Peninsula.	Corunna ...																#			
	Lisbon	29.80	55	NNW	4	b c	29.85	−.16	54	52	+ 8	NW	3	o	#	b c	#	59	46	–
	Azores (P. Delgada)	30.03	55	W	3	c	29.99	−.15	58	55	+ 4	W	4	c	3	c	#	63	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 1.7 hrs;

WEATHER CHARTS

FOR ..... Saturday, 19th February 1898

BAROMETER, WIND AND SEA.

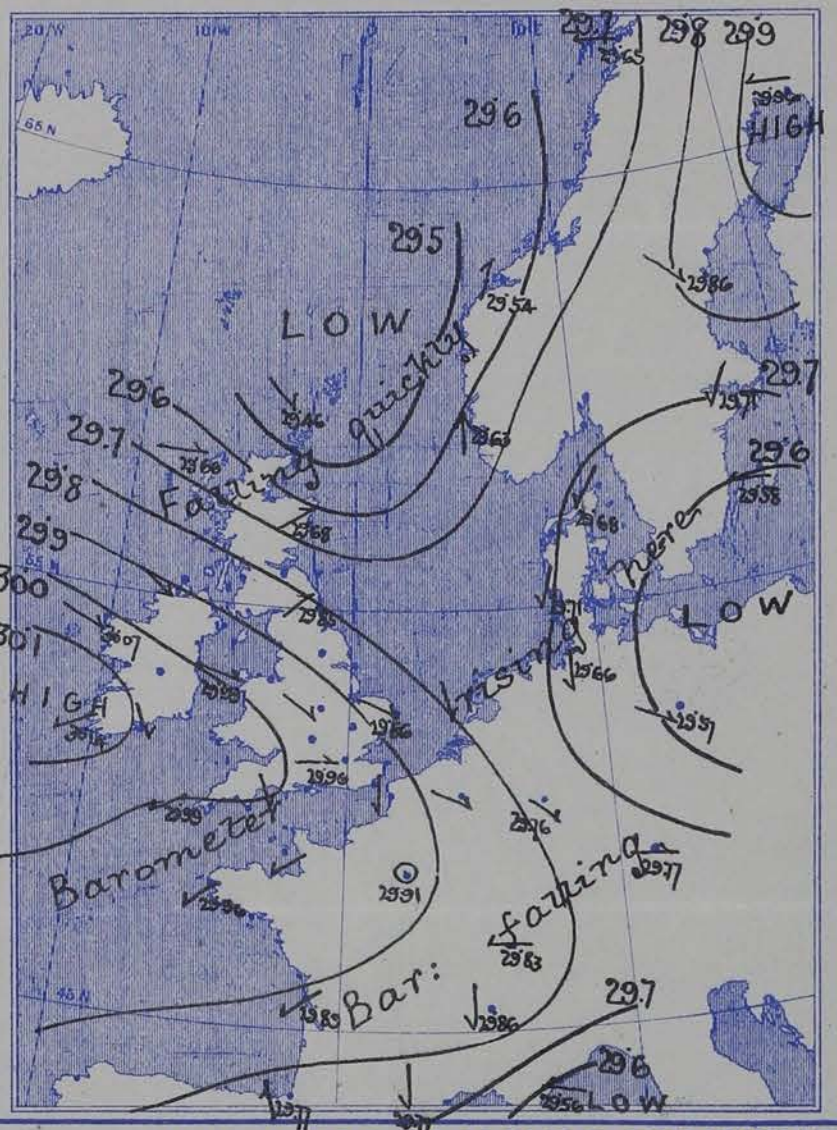
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▩

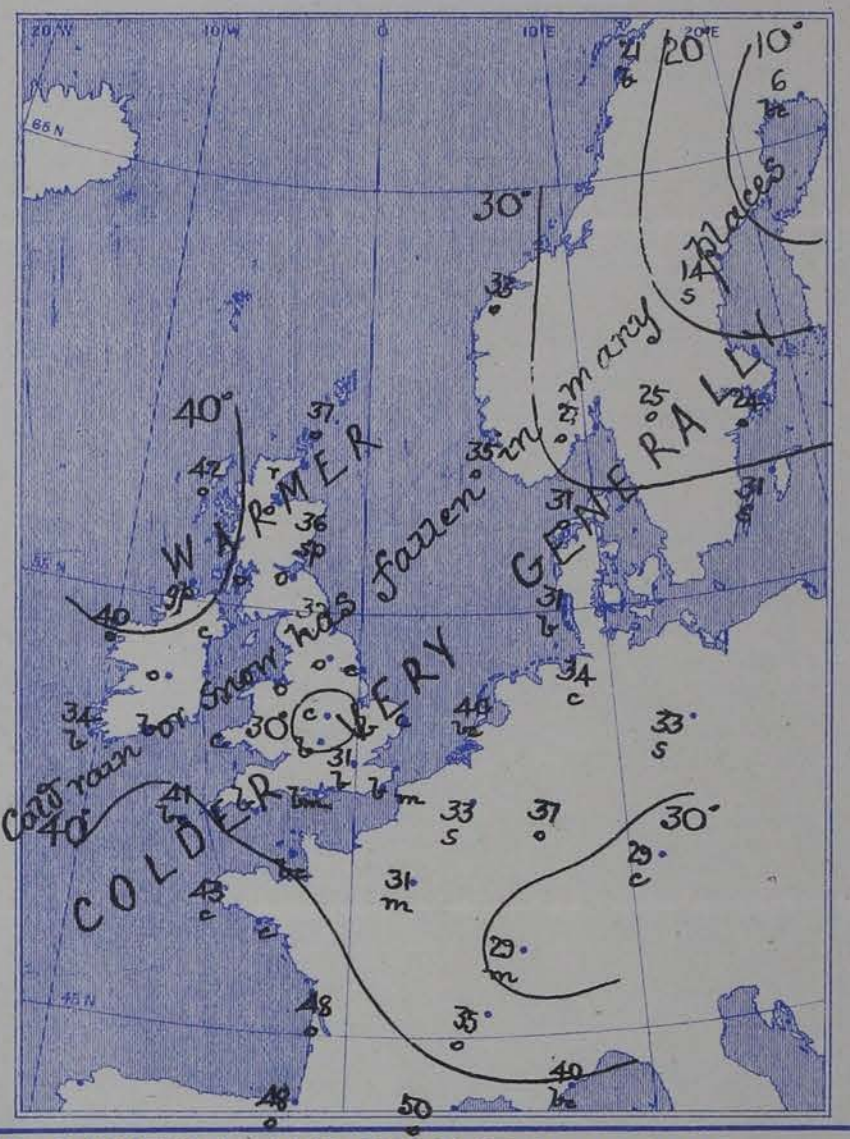


TEMPERATURE & WEATHER.

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 FEBRUARY.*

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 · 772	38 · 6	37 · 2	42 · 2	34 · 4	51	1887, 91	17	1895	3 · 11	—	—
Stornoway	29 · 775	38 · 9	38 · 0	43 · 6	34 · 2	55	1891	12	1892	3 · 80	63 · 6	25
Wick	29 · 800	37 · 7	36 · 4	42 · 9	32 · 9	59	1878	2	1895	2 · 16	—	—
Nairn	29 · 815	36 · 7	35 · 1	43 · 4	32 · 5	64	1891	0	1895	1 · 65	—	—
Aberdeen	29 · 853	36 · 9	35 · 2	43 · 1	33 · 3	59	1878, 83	6	1895	2 · 26	73 · 4	28
Leith	29 · 873	38 · 1	36 · 7	45 · 5	33 · 9	59	1882	12	1895	1 · 51	—	—
Shields	29 · 908	38 · 3	36 · 9	43 · 9	34 · 4	59	1887	7	1895	1 · 50	—	—
Spurn Head	29 · 938	38 · 1	37 · 2	42 · 2	35 · 4	57*	1891	20*	1895	1 · 32	—	—
York	29 · 945	37 · 0	36 · 0	44 · 4	33 · 2	59	1872, 78	3	1895	1 · 68	60 · 0	22
Loughborough	29 · 972	36 · 7	35 · 5	45 · 2	33 · 0	64*	1891	—5*	1895	1 · 71	—	—
Ardrossan	29 · 880	39 · 2	38 · 0	44 · 4	35 · 9	56	1891	13	1895	2 · 93	—	—
Malin Head	29 · 844	41 · 0	39 · 5	45 · 5	38 · 3	—	—	—	—	—	—	—
Belmullet	29 · 870	42 · 3	40 · 7	47 · 2	38 · 8	—	—	—	—	4 · 20	—	—
Donaghadee	29 · 894	40 · 0	39 · 1	45 · 5	36 · 6	56	1894	16	1895	2 · 34	—	—
Holyhead	29 · 923	41 · 1	39 · 8	45 · 4	38 · 3	59	1891	17	1895	2 · 42	—	—
Liverpool	29 · 943	38 · 5	37 · 0	44 · 3	35 · 7	62	1878	12	1895	1 · 68	—	—
Parsonstown	29 · 915	39 · 1	37 · 8	46 · 8	35 · 1	59	1891	6	1895	2 · 16	68 · 0	25
Valencia	29 · 917	44 · 3	42 · 6	49 · 5	40 · 3	58	1891	22	1895	4 · 89	72 · 9	27
Roche's Point	29 · 927	43 · 0	41 · 4	48 · 2	39 · 4	56	1877, 89	25	1895	4 · 19	—	—
Pembroke	29 · 948	41 · 8	40 · 5	45 · 3	39 · 0	52	1877, 91	23	1895	2 · 62	79 · 9	29
Scilly	29 · 964	45 · 7	44 · 1	48 · 6	42 · 4	56	1877	27	1895	2 · 62	—	—
Prawle Point	29 · 996	41 · 2	40 · 2	46 · 6	37 · 8	57*	1891	21*	1888, 92, 95	1 · 94	—	—
Jersey	30 · 016	42 · 0	40 · 6	46 · 8	38 · 8	62	1891	18	1895	2 · 41	95 · 0	34
Hurst Castle	29 · 996	39 · 8	38 · 8	45 · 4	36 · 3	60	1877	17	1895	2 · 10	—	—
Dover	29 · 990	38 · 8	37 · 7	44 · 2	35 · 5	56	1882	11	1889	1 · 81	—	—
LONDON	29 · 996	38 · 1	36 · 8	45 · 5	34 · 5	62	1876, 91	10	1895	1 · 64	33 · 0†	12†
Oxford	29 · 994	37 · 3	36 · 1	44 · 9	34 · 2	64	1891	7	1895	1 · 76	66 · 3	24
Cambridge	29 · 987	36 · 7	35 · 7	45 · 5	32 · 1	67	1891	6	1895	1 · 42	70 · 5	26
Yarmouth	29 . 967	37 · 8	36 · 9	42 · 3	34 · 0	58	1872	15	1895	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 29·9 ins: in a "ridge" stretching in from the Atlantic over Ireland, the greater part of England, and the north of France; (2) 29·9 ins: and more over Finland and the northern part of the Gulf of Bothnia.
Lowest, (1) Below 29·6 ins: over Germany and the Baltic; (2) below 29·5 ins: in a new depression spreading over the British Islands and the North Sea from the northward.
Gradients moderate over our Islands, slight over France.
Barometer falling fast again at the Scotch stations.

TEMPERATURE

Highest, 50° at Perpignan, 48° on the southwest coast of France, 47° at Ardrossan, 40° at Belmullet.
Lowest, (1) 6° at Haparanda, 21° at Bodö, 24° at Stockholm; (2) 29° at Munich and Belfort, 31° at Paris; (3) 28° at Aspland, 32° at York & Leamington.
It has been as low as 26° in the screen and 18° on the grass at Loughborough during the night.

WIND

(1) Light and anticyclonic from between NW. and NE. over Ireland, England, and France; (2) Cyclonic from NW. and W. over Scotland, from S in the west of Norway, and from E at Bodö; (3) Cyclonic from between NE. and NW over the Baltic and North Germany.

WEATHER

Fine over France, England, and Ireland, and also over Lapland; dull and very unsettled again in the north and north of Scotland and the west of Norway, with cold rain and sleet at Wick and Aberdeen.
Cold rain fell very generally over Great Britain yesterday, with wet snow in many places. There were 4 hrs: of Bright Sunshine at Scilly yesterday more than 3 hrs: at Aberdeen, none in the southeast of England.

SEA

Has gone down considerably, but is still rather rough at Lowestoft Head.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A new depression is advancing over Scotland towards the North Sea, and is likely to cause rough weather at our northern stations today, and probably in the south tomorrow. The west and northwest coasts have again been warned.

FORECASTS

For the 24 hours ending at NOON on 20th FEB: 1898

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
▼ 0 SCOTLAND NORTH	NW. gales; sleet and rain squalls, very unsettled.	▼ 6 SCOTLAND WEST	Same as Nos 0 and 1.
▼ 1 SCOTLAND EAST		▼ 7 ENGLAND N.W.	
2 ENGLAND N.E.	W. to N. winds, increasing greatly; fair at first, sleet and rain later.	8 ENGLAND S.W.	NE. to NW. winds; fair today, unsettled tomorrow.
3 ENGLAND EAST		▼ 9 IRELAND NORTH	Same as Nos 0 and 1.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	Same as No 8.
5 ENGLAND SOUTH	W. and SW. winds; fair, milder, unsettled tomorrow, squally, cold showers.	WARNINGS	At 10·15 am today to districts 0, 1, 6, 7, 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.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.66	41	37	N	2	b	2	Valencia	29.94	48	46	NNE	4	c	4
Sumburgh Head	29.88	34	33	N	3	c	6	Scilly	29.85	51	50	WNW	4	epm	3
Stornoway	30.06	37	35	NNW	3	c	3	Jersey	29.83	52	51	W	4	o	3
Aberdeen	29.96	37	39	NW	4	c q[illegible]	3	Hurst Castle ...	29.81	44	42	ENE	3	md	3
Shields	29.93	39	36	N	3	c	4	Dungeness ...	29.81	41	40	NNE	3	r	2
Ardrossan	30.01	41	40	NNW	2	bc	1	North Foreland	29.84	41	39	N	3	o	2
Malin Head ...	30.04	39	38	NE	3	b	2	London (Westminster)	29.84	40	39	N	3	o q r	*
Belmullet	30.05	44	40	ENE	4	bc		Yarmouth ...	29.81	42	38	NNW	3	bc	4
Holyhead	29.91	40	37	NE	4	c	3 *	Rochefort ...	30.02	55	53	NW	4	c	*

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

Weather in morning fine over Spain and in some parts of Italy and the south of France, as well as in the extreme north of Russia; very dull and unsettled elsewhere, with cold rain in many parts of Ireland, England and France, snow over the greater part of Russia. Showers of cold rain and sleet falling later over Great Britain, the North Sea, the Baltic, and Germany - amounts collected not large.

Temperature risen decidedly over Central Russia, fallen elsewhere. Morning readings highest 57° at Algiers, and above 50° on the southwestern shores of the Mediterranean generally; 51° at Scilly, 50° at Lorient and Jersey, 49° at Pembroke and Valencia. Lowest -6° F. at Archangel, +10° at Kuopio, 16° at Moscow, and much below the freezing point over Russia. Ireland and Lapland generally; 32° at Sumburgh Head, 33° to 36° at the Scotch stations, 34° at York. Not rising much over our Islands during day, but falling decidedly towards night.

Wind moderate to light in force and very variable from between N. and W. in direction over the British Islands and France, with small cyclonic circulations over our western and southern districts; (2) SE³ over Russia and Finlands, E over Lapland and the northwest of Norway, N³ over the southern parts of Scandinavia. Cyclonic circulations of considerable energy prevailing over the northern parts of the Mediterranean and Adriatic. N³ and NE³ winds becoming general over our Islands later.

Barometer highest (1) 30·14 in: over the Azores, and exceeding 30·0 in: over the west of Scotland, as well over Spain, the southwest of France and the southern half of the Bay of Biscay; (2) 30·3 in: and more to 30·0 in: over the northern half of Russia. Lowest, below 29·3 in: in a well marked depression over North Germany and the Baltic, and below 29·8 in: in two shallow systems over the northern parts of the Mediterranean and Adriatic. Gradients very variable both in direction and intensity. Rising later over the British Islands and Northwestern Europe generally, falling over France and Spain.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Sunday 20th February, 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 ...	29.92	14	SE	2	c	29.84	− ·12	10	9	+ 4	SE	4	0	#	c	#	14	−2	—
	Hernösand ...	29.80	15	N	2	0	29.73	− ·13	14	13	0	N	4	0	#	0	#	19	12	004
	Stockholm ...	29.69	22	NE	2	0	29.59	− ·12	24	23	0	2	0	0	#	0	#	30	21	—
	Wisby	29.59	30	E	4	0	29.57	− ·01	28	27	− 3	NNE	4	0	#	0	#	34	28	—
	Karlstad ...	29.67	26	N	2	0	29.60	− ·12	23	21	− 2	ENE	2	0	#	0	#	#	#	—
	Bodö	29.64	18	E	6	b	29.66	+ ·01	17	14	− 4	E	6	b	2	b	#	23	14	—
	Christiansund ...	29.32	31	SSE	4	b	29.23	− ·31	32	30	− 1	SSE	3	b	4	b	#	34	30	—
	Skudesnaes ...	29.29	38	S	6	s	29.04	− ·59	37	35	+ 2	SE	6	0	5	s	#	37	30	#
	Færder (Christiania Fjord)	29.68	30	ESE	4	0	29.42	− ·29	30	28	+ 3	SE	7	0	4	0	#	30	27	—
	Skagen (The Scaw)	29.58	33	SE	3	0	29.42	− ·26	34	33	+ 3	SE	6	0	2	0	#	34	30	—
	Fanö	29.54	33	SE	4	0	29.25	− ·46	33	33	+ 3	SE	6	s	#	0	#	37	30	0·12
British Islands.	Sumburgh Head	29.16	34	NNE	1	0	28.76	− ·70	33	31	− 4	NW	1	bc	4	0	#	39	32	0·01
	Stornoway ...	29.30	40	NW	3	c	29.19	− ·47	31	30	− 11	NNW	7	s	7	rq.c	0·1	42	27	0·45
	Wick	29.16	38	NW	4	r	28.96	− ·57	31	31	− 6	N	5	ow	2	r	#	40	27	0·15
	Nairn	29.26	40	W	2	c	29.14	− ·54	27	26	− 8	WNW	1	0	1	c	#	41	25	0·08
	Aberdeen ...	29.27	40	SW	2	cg	29.07	− ·61	30	27	− 6	WNW	5	bq	2	cg.cg.	0·0	43	29	001
	Leith	29.37	40	WSW	3	c	29.15	− ·65	33	31	− 2	NW	2	bc	#	c	#	44	31	—
	Shields	29.48	41	WSW	3	r	29.11	− ·74	35	34	+ 3	WNW	2	rs	2	op.r	#	44	30	0·02
	Spurn Head ...	29.58	40	WSW	4	0	29.15	− ·72	37	36	+ 3	W	3	c	3	c.op.r	#	41	34	0·20
	York	29.58	42	WNW	3	op	29.14	− ·72	38	36	+ 6	WSW	2	bc	#	op	0·0	42	32	0·12
	Loughborough ...	29.71	39	W	3	0	29.25	− ·70	41	40	+ 12	W	4	c	#	c.opq.c	#	41	29	007
	Ardrossan ...	29.45	45	W	5	rw	29.21	− ·63	33	32	− 9	NW	5	b	3	o.rw	#	45	29	0·12
	Malin Head ...	29.31	45	W	6	orhq	? 29.24	− ·66	33	31	− 8	N	6	sq	6	orhq	#	46	31	0·22
	Belmullet ...	29.79	45	W	5	0	29.54	− ·53	34	34	− 6	NNW	4	s	#	c.o	#	47	34	0·12
	Donaghadee ...	29.48	44	WSW	6	c	29.29	− ·67	37	34	0	NNW	8	c	6	c	#	45	34	0·05
	Liverpool (Bidston)	29.65	40	W	6	0	29.22	− ·73	39	35	+ 1	W	6	bc	5	0	#	44	36	0·17
	Holyhead ...	29.71	43	WSW	5	cpq	29.30	− ·69	39	37	− 1	NW	8	cq	7	odp.cpq	#	45	37	0·10
	Parsonstown ...	29.82	43	W	1	0	29.45	− ·62	36	33	+ 4	NW	2	b	#	0	0·5	45	30	0·03
	Valencia ...	29.94	45	W	5	ov	29.56	− ·58	45	40	+ 11	NW	6	cpq	5	ov	3·5	48	33	0·07
	Roche's Point ..	29.88	44	NW	3	b	29.51	− ·59	43	41	+ 7	WNW	5	c	3	b	#	45	35	—
	Pembroke (St. Ann's Hd.)	29.83	41	NW	4	c	29.41	− ·61	45	42	+ 7	NW	5	cq	5	c	1·9	47	38	—
	Scilly	29.90	45	WNW	3	ow	29.54	− ·45	49	47	+ 8	W	6	o	3	bc.ow	5·1	49	37	0·01
	Prawle Point ...	29.89	39	NNW	2	c	29.46	− ·56	46	44	+ 15	WSW	6	opw	5	c.p	#	49	31	0·02
	Jersey (St. Aubin's)	29.90	42	NW	2	bc	29.58	− ·39	46	44	+ 6	WSW	6	opq	5	bc	#	46	39	0·03
	Hurst Castle ...	29.83	47	W	3	c	29.38	− ·62	46	44	+ 15	W	5	c	3	bc.c	#	46	36	0·01
	Dungeness ...	29.78	37	NW	2	c	29.37	− ·54	44	43	+ 13	WSW	6	a	5	c	#	49	31	0·02
	North Foreland	29.78	37	W	4	0	29.36	− ·54	40	39	+ 4	WSW	4	0	2	0	#	40	35	0·02
	London (Brixton) ...	29.78	38	WNW	4	0	29.35	− ·61	44	42	+ 13	SW	3	op	#	0	1·4	46	31	004
	Oxford	29.73	37	W	3	0	29.32	− ·68	42	41	+ 14	SSW	2	oa	#	c.0	#	43	28	0·01
	Cambridge ...	29.73	39	SW	3	0	29.28	− ·68	43	42	+ 13	SW	4	ow	#	c.0	2·9	43	28	—
	Yarmouth ...	29.67	37	W	4	c	29.24	− ·62	40	39	+ 4	W	4	r	4	c	#	40	34	002
Germany & Holland.	Cuxhaven ...	29.64	36	S	2	0	29.35	− ·31	32	32	− 2	S	5	s	#	0	#	37	32	—
	Berlin	29.65	33	WNW	3	0	29.56	− ·01	30	29	− 3	2	0	s	#	0	#	36	27	004
	Wiesbaden ...	#	#	#	#	#									#	#	#			
	Munich	29.77	30	W	5	0	29.68	− ·09	27	27	− 2	SW	3	0	#	0	#	34	25	—
	The Helder ...	29.63	38	W	3	0	29.24	− ·52	40	39	0	SW	4	r	3	0	#	41	36	0·20
Belgium.	Brussels ...	#	#	#	#	#	29.52	− ·36	35	34	+ 2	SW	6	0	#	0	#	41	32	0·16
	Cape Gris Nez ...																#			
	Paris	29.86	40	NW	2	0	29.66	− ·25	36	33	+ 5	SSW	2	0	#	0	#	44	31	—
	Brest	29.93	43	NE	2	c	29.66	− ·30	46	42	+ 3	WNW	4	c	3	c	#	45	39	—
	Lorient	29.93	42	NE	4	0	29.73	− ·18	46	45	+ 3	W	5	0	5	0	#	55	42	—
France &	Rochefort ...	29.91	46	ENE	4	0	29.88	− ·01	37	35	− 11	ENE	3	bc	#	0	#	50	32	—
	Belfort	29.90	33	2	0	0	29.78	− ·05	26	25	− 3	SW	3	m	#	0	#	40	24	—
	Lyons	29.83	37	N	1	bc	29.73	− ·07	28	27	− 7	NNW	1	b	#	bc	#	41	28	—
	Nice	29.56	48	2	0	c	29.59	+ ·03	44	43	+ 4	2	0	bc	1	c	#	57	49	—
	Perpignan ...	29.71	51	NW	2	c	29.69	− ·08	46	42	− 4	NW	4	b	#	c	#	59	43	—
	Biarritz ...	29.78	52	NE	4	c	29.77	·00	43	41	− 5	SE	3	0	2	c	#	54	39	0·16
Peninsula.	Corunna ...	29.86	55	ENE	3	b	29.84	− ·01	?	46	?	ENE	1	0	3	b	#	57	37	?
	Lisbon	29.89	54	NNW	4	b	29.92	+ ·07	53	49	− 1	NNE	4	c	#	b	#	59	50	0·08
	Azores (P. Delgada)	30.12	59	SW	4	b	30.11	+ ·12	57	57	− 1	S	4	r	3	b	#	63	57	—

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

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

Bright Sunshine yesterday Southport 0·2 hrs;

WEATHER CHARTS

FOR ... SUNDAY, 20TH FEBRUARY, ... 1898

BAROMETER, WIND AND SEA.

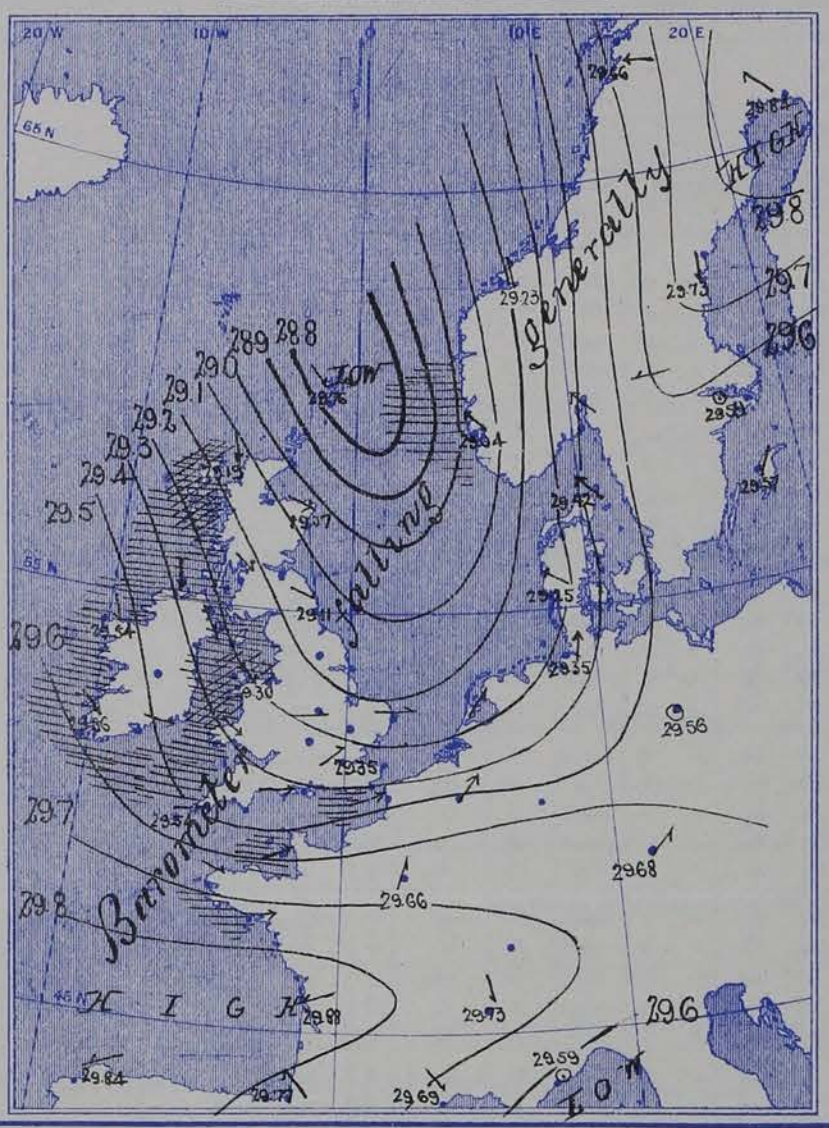
BAROMETER—Isobars are drawn for each tenth of an inch.

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*

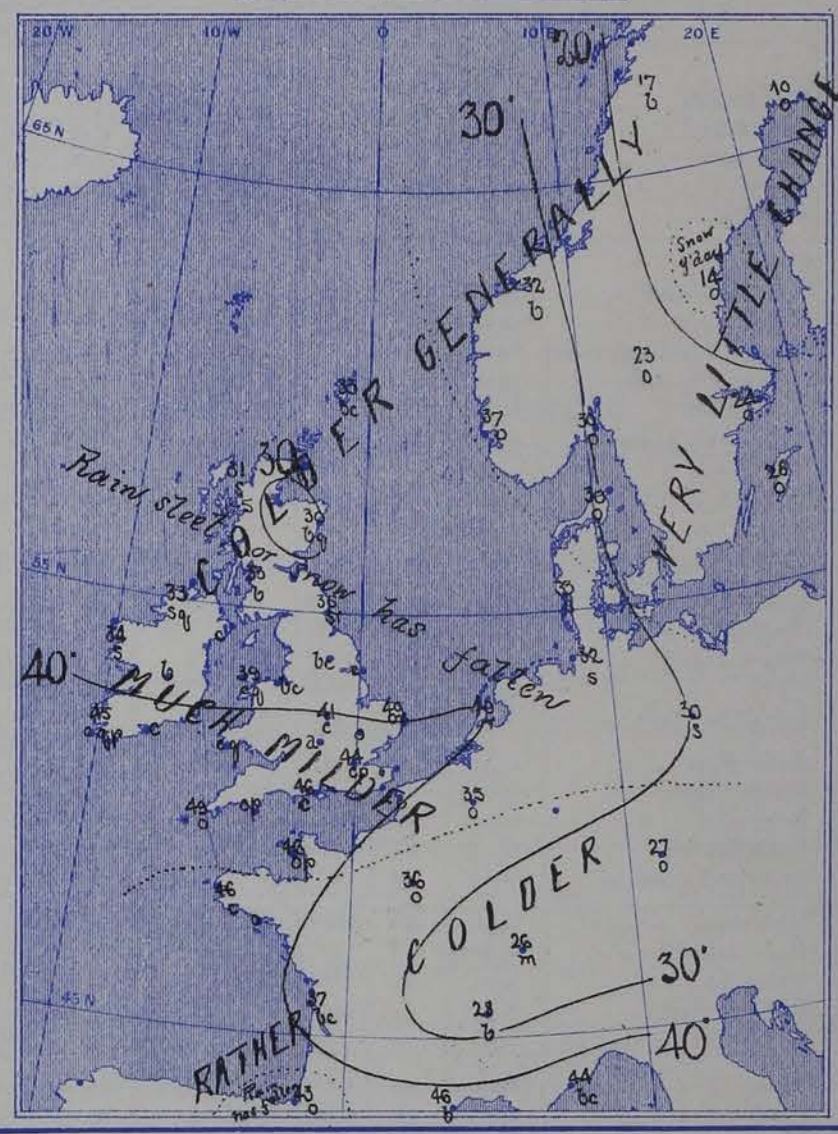


TEMPERATURE & WEATHER.

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 FEBRUARY.

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 · 772	38 · 6	37 · 2	42 · 2	34 · 4	51	1887, 91	17	1895	3 · 11	—	—
Stornoway	29 · 775	38 · 9	38 · 0	43 · 6	34 · 2	55	1891	12	1892	3 · 80	63 · 6	25
Wick	29 · 800	37 · 7	36 · 4	42 · 9	32 · 9	59	1878	2	1895	2 · 16	—	—
Nairn	29 · 815	36 · 7	35 · 1	43 · 4	32 · 5	64	1891	0	1895	1 · 65	—	—
Aberdeen	29 · 853	36 · 9	35 · 2	43 · 1	33 · 3	59	1878, 83	6	1895	2 · 26	73 · 4	28
Leith	29 · 873	38 · 1	36 · 7	45 · 5	33 · 9	59	1882	12	1895	1 · 51	—	—
Shields	29 · 908	38 · 3	36 · 9	43 · 9	34 · 4	59	1887	7	1895	1 · 50	—	—
Spurn Head	29 · 938	38 · 1	37 · 2	42 · 2	35 · 4	57*	1891	20*	1895	1 · 32	—	—
York	29 · 945	37 · 0	36 · 0	44 · 4	33 · 2	59	1872, 78	3	1895	1 · 68	60 · 0	22
Loughborough	29 · 972	36 · 7	35 · 5	45 · 2	33 · 0	64*	1891	—5*	1895	1 · 71	—	—
Ardrossan	29 · 880	39 · 2	38 · 0	44 · 4	35 · 9	56	1891	13	1895	2 · 93	—	—
Malin Head	29 · 844	41 · 0	39 · 5	45 · 5	38 · 3	—	—	—	—	—	—	—
Belmullet	29 · 870	42 · 3	40 · 7	47 · 2	38 · 8	—	—	—	—	4 · 20	—	—
Donaghadee	29 · 894	40 · 0	39 · 1	45 · 5	36 · 6	56	1894	16	1895	2 · 34	—	—
Holyhead	29 · 923	41 · 1	39 · 8	45 · 4	38 · 3	59	1891	17	1895	2 · 42	—	—
Liverpool	29 · 943	38 · 5	37 · 0	44 · 3	35 · 7	62	1878	12	1895	1 · 68	—	—
Parsonstown	29 · 915	39 · 1	37 · 8	46 · 8	35 · 1	59	1891	6	1895	2 · 16	68 · 0	25
Valencia	29 · 917	44 · 3	42 · 6	49 · 5	40 · 3	58	1891	22	1895	4 · 89	72 · 9	27
Roche's Point	29 · 927	43 · 0	41 · 4	48 · 2	39 · 4	56	1877, 89	25	1895	4 · 19	—	—
Pembroke	29 · 948	41 · 8	40 · 5	45 · 3	39 · 0	52	1877, 91	23	1895	2 · 62	79 · 9	29
Scilly	29 · 964	45 · 7	44 · 1	48 · 6	42 · 4	56	1877	27	1895	2 · 62	—	—
Prawle Point	29 · 996	41 · 2	40 · 2	46 · 6	37 · 8	57*	1891	21*	1888, 92, 95	1 · 94	—	—
Jersey	30 · 016	42 · 0	40 · 6	46 · 8	38 · 8	62	1891	18	1895	2 · 41	95 · 0	34
Hurst Castle	29 · 996	39 · 8	38 · 8	45 · 4	36 · 3	60	1877	17	1895	2 · 10	—	—
Dover	29 · 990	38 · 8	37 · 7	44 · 2	35 · 5	56	1882	11	1889	1 · 81	—	—
LONDON	29 · 996	38 · 1	36 · 8	45 · 5	34 · 5	62	1876, 91	10	1895	1 · 54	33 · 0†	12†
Oxford	29 · 994	37 · 3	36 · 1	44 · 9	34 · 2	64	1891	7	1895	1 · 76	66 · 3	24
Cambridge	29 · 987	36 · 7	35 · 7	45 · 5	32 · 1	67	1891	6	1895	1 · 42	70 · 5	26
Yarmouth	29 . 967	37 · 8	36 · 9	42 · 3	34 · 0	58	1872	15	1895	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) 30·11 in: at P. Delgada (Azores), 29·92 in: at Lisbon, and 29·88 in: at Krakenes; (2) 29·84 in: at Haparanda.

Lowest, Below 28·8 in: over the Shetlands, and below 29·2 in: in a hollow over the North Sea.

Gradients moderate for NW^{ly} winds over our Islands, steep for S^{ly} and SE^{ly} winds over Denmark and Norway; slight and anticyclonic over France.

Barometer fallen fast over the British Islands, especially in the northeast and east.

TEMPERATURE

Highest, 53° at Lisbon, 49° at Scilly, 46° at Jersey, 45° at Valencia and Pembroke, 44° in London.

Lowest, (1) 10° at Haparanda, 17° at Bodö, 23° at Karlstad; 26° at Belfort, 27° at Munich, 28° at Lyons; (3) 27° at Nairn, 30° at Aberdeen, 33° at Leith.

It has fallen fast over Scotland and the north of Ireland; risen very fast over England, and rather quickly over the northern parts of France.

WIND

(1) NW^{ly} and W^{ly} 3 over the British Islands, and strong to a gale in force, except over the eastern and midland parts of England;

(2) SW^{ly} moderate to strong, over the Netherlands, but SE^{ly} 3 strong on the coasts of Denmark and the south of Norway.

WEATHER

Very changeable and unsettled generally — snow showers at many of the northern and western stations and in Holstein, and cold rain showers setting in over England and Holland. Fine and bright in the south of France.

Rain and snow have fallen in moderate quantities over our northern and northwestern districts, but very little over the southern half of England.

Bright Sunshine recorded yesterday ranged from 5·1 hrs at Scilly to 0·1 hr: at Stornoway — none at Aberdeen or York.

SEA

High at Stornoway and Holyhead, rough in the north and west generally, moderate to rather rough in the English Channel, slight off east coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 21st FEB: 1898

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

At 9·20 am today to districts 2, 3, 5, 8, and 10 "Hoist North Cone". The signals are still flying in districts 0, 1, 6, 7, and 9.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.44	33	32	S	9	s	5
Sumburgh Head	29.30	37	36	NW	2	o	5
Stornoway	29.43	42	41	WNW	3	r	3
Aberdeen	29.44	42	39	SW	2	og	2
Shields	29.62	40	38	SW	2	op	3
Ardrossan	29.61	45	45	W	5	r	4
Malin Head ...	29.66	44	?	W	6	o	4
Belmullet	29.92	45	42	W	4	o	*
Holyhead	29.86	41	40	W	4	omp2	3
Valencia	30.04	43	39	WSW	2	ov	4
Scilly	29.98	44	40	NNE	1	be	4
Jersey	29.95	44	39	NNE	3	c	3
Hurst Castle ...	29.92	42	37	WNW	2	bc	2
Dungeness ...	29.85	40	36	NW	2	c	1
North Foreland	29.85	39	38	W	4	bc	4
London (Westminster)	29.86	42	37	WNW	3	cm	*
Yarmouth ...	29.76	38	34	WNW	4	c	4
Rochefort ...	29.93	46	45	ENE	4	o	*

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

Weather in morning fine and bright over the southern parts of Ireland and England and the north of France, dull, unsettled, and very changeable elsewhere, with snow at many of the Continental stations, sleet and rain on the northeast coast of Scotland. Sleet and rain in considerable quantities over the northern parts of our Islands later, and slight cold showers spreading to England also, but weather dry over the greater part of France.

Temperature changing very fitfully, risen a little in Scotland, fallen rapidly over England and France. Morning readings highest 60° at Algiers, 59° at Nemours, 51° at Lyhom, 54° at Oporto, 48° at Rochefort. Lowest (1) 4° F. at Archangel, 6° at Haparanda, 13° at Moscow, 17° at St Petersburg; 25° at Lemberg, 29° at Hermanstadt, at Munich and at Brefut; 29° to 32° over the inland parts of England. Rising decidedly (but irregularly) over our Islands later, but failing to reach 50°; touching 55° at Lorient, and 59° at Perpignan and Lisbon.

Wind (1) Light and anticyclonic from NW. over the southwest of our Islands, and from NE. or E. over the Bay of Biscay and France; also from the E.ward over Northern Europe. Cyclonic from NW. over the north of Ireland, and from between S. and E. in the west of Norway; also from E. over the Baltic, and from W. over Central Europe. Strong W'ly winds felt at many of our northwestern and northern stations later, with a tendency to back to SW. over the north of England.

Barometer highest (1) 30·1 ins: and more to 29·9 ins: in a "ridge" stretching from the Atlantic over the west and southwest of our Islands and the north of France; (2) 30·2 ins: and more to 29·9 ins: over the north of Russia and Finland. Lowest. Below 29·5 ins: in a depression approaching the Shetland Islands from the N.ward, and below 29·4 ins: in another over North Germany. Former disturbance continuing to move southwards towards Scotland and the North Sea during day.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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 Monday, 21st February, 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 ...	29.76	15	N	4	S	29.85	+.01	18	17	+ 8	E	2	S	*	S	*	18	-2	0.04
	Hernösand ...	29.68	15	N	2	0	29.72	-.01	11	11	- 3	N	2	S	*	0	*	16	10	0.04
	Stockholm ...	29.60	23	NW	0	S	29.63	+.04	20	19	- 4	ESE	2	C	*	S	*	27	20	-
	Wisby	29.61	27	N	4	bc	29.55	-.02	31	30	+ 3	SSE	4	S	*	bc	*	31	25	-
	Karlstad ...	29.58	28	NE	2	0	29.50	-.10	22	21	- 1	NE	4	0	*	0	*	*	*	-
	Bodö	29.69	18	E	6	b	29.71	+.05	21	17	+ 4	E	6	bc	1	b	*	21	14	-
	Christiansund ...	29.34	32	ESE	3	b	29.39	+.16	27	26	- 5	ESE	2	C	3	b	*	36	27	-
	Skudesnaes ...	29.13	35	ENE	8	0	29.16	+.12	33	31	- 4	NE	6	0	4	0	*	37	32	*
	Færder (Christiania Fjord)	29.45	29	E	6	0	29.33	-.09	25	24	- 5	NE	8	S	3	0	*	30	25	-
	Skagen (The Scaw)																*			
	Fanö	29.04	35	SSW	4	C	29.13	-.12	35	34	+ 2	SW	6	C	*	r. c	*	36	33	0.51
British Isles	Sumburgh Head	28.98	38	ESE	5	c	29.26	+.50	34	34	+ 1	N	3	r	5	C	*	43	33	0.15
	Stornoway ...	28.76	37	NW	3	a	29.34	+.15	34	33	+ 3	NNE	5	S	5	S, a	4.7	37	26	0.35
	Wick	?	33	N	4	0	29.21	+.25	38	36	+ 7	E	4	ou	4	0S	*	38	28	0.18
	Nairn	28.84	32	NNW	3	c	29.24	+.10	33	33	+ 6	W	0	S	1	C	*	34	21	0.22
	Aberdeen ...	28.96	33	SW	2	oq	29.18	+.11	34	32	+ 4	NW	3	ogsp	3	c. sp	4.9	36	26	0.32
	Leith	29.00	33	W	3	b	29.18	+.03	31	30	- 2	NW	2	C	*	b	*	42	24	-
	Shields	29.12	33	W	3	bc	29.18	+.07	29	29	- 6	W	2	e	2	S, bc	*	38	26	0.01
	Spurn Head ...	29.18	35	NNW	4	b	29.17	+.02	32	30	- 5	NW	3	b	3	Sp. b	*	40	29	-
	York	29.17	33	W	1	b	29.18	+.04	25	25	- 13	S	1	b	*	b	7.2	43	24	0.01
	Loughborough ...	29.25	31	W	2	b	29.20	-.05	23	23	- 18	SE	1	bcm	*	cprs, b	*	43	22	0.05
	Ardrossan ...	29.11	33	WSW	2	S	29.19	-.02	29	28	- 4	NNE	1	bm	1	S	*	38	28	0.21
	Malin Head ...	29.14	32	WNW	5	c shq	29.20	-.04	35	33	+ 2	E	4	cqs	3	c shq	*	35	30	0.11
	Belmullet ...	29.88	32	N	3	s									*		*			
	Donaghadee ...	29.20	31	WSW	5	c	29.18	-.11	35	34	- 2	ENE	7	bc	5	c	*	38	25	0.12
	Liverpool (Bidston)	29.24	33	WNW	4	S	29.16	-.06	28	27	- 11	SE	2	bc	?	hs	*	40	26	0.05
	Holyhead ...	29.25	38	NW	5	cqrs	29.12	-.18	33	31	- 6	ENE	2	bc	2	cqrs	*	40	31	-
	Parsonstown ...	29.34	34	NW	1	b	29.12	-.39	32	31	- 4	SE	1	0	*	S, b	4.2	40	28	0.11
	Valencia ...	29.43	36	NW	5	oqrsp	29.09	-.47	39	37	- 6	N	8	ohp	6	cqrsp	4.9	45	32	0.39
	Roche's Point ..	29.39	37	NW	4	bchsp	29.00	-.51	36	36	- 7	NW	2	rsp	3	hsp	*	44	32	0.18
	Pembroke (St. Ann's Hd.)	29.32	40	NW	4	c	29.03	-.38	40	35	- 5	W	4	osp	4	c	4.9	45	33	0.11
	Scilly	29.37	42	WNW	5	chp	29.09	-.45	42	39	- 7	W	5	cp	4	chp	1.5	49	37	0.10
	Prawle Point ...	29.36	35	WNW	4	0	29.15	-.31	32	31	- 14	NW	3	bc	3	rhp, sp	*	48	30	0.20
	Jersey (St. Aubin's)	29.38	44	W	4	r	29.20	-.38	38	37	- 8	W	2	bcmp	2	r. p	*	47	36	0.56
	Hurst Castle ...	29.30	42	WNW	3	c	29.17	-.21	36	35	- 8	SE	1	0	2	p. sp	*	47	31	0.28
	Dungeness ...	29.26	44	WSW	2	c	29.20	-.17	24	24	- 20	NNW	1	f	1	c	*	50	22	0.01
	North Foreland	29.26	40	WSW	5	c	29.21	-.15	32	31	- 8	WSW	1	b	1	c	*	48	28	-
	London (Brixton) ...	29.26	38	NNW	4	bc	29.21	-.14	30	29	- 14	SE	1	bc	*	rhs, bc, br	0.5	45	25	0.04
	Oxford	29.30	32	NNW	4	S	29.19	-.13	27	26	- 15	SE	1	ef	*	p. bc, sq	*	45	23	0.05
	Cambridge ...	29.26	34	W	2	b	29.22	-.06	26	26	- 17	W	0	0	*	qp, b	4.4	45	22	0.03
	Yarmouth ...	29.19	36	NW	4	bc	29.20	-.04	28	27	- 12	WSW	2	bm	4	bc	*	43	25	0.03
Germany & Holland	Cuxhaven ...	29.17	36	SSW	5	r	29.24	-.11	31	30	- 1	S	2	0	*	S. r	*	37	30	0.16
	Berlin	29.47	36	SSW	2	0	29.41	-.15	36	34	+ 6	S	3	S	*	b	*	37	30	-
	Wiesbaden ...	*	*	*	*	*	29.38		37	35		SE	2	0	*	*	*	39	36	0.04
	Munich	29.60	29	E	2	b	29.54	-.14	26	26	- 1	SE	2	b	*	b	*	37	23	-
	The Helder ...	29.18	37	W	6	b	29.20	-.04	31	30	- 9	SSW	1	bc	1	b	*	45	27	0.12
Belgium.	Brussels ...	*	*	*	*	*	29.26	-.26	35	34	0	S	1	0	*	r	*	?	33	0.35
	Cape Gris Nez ...	29.26	41	NW	4	0	29.23		34	32		S	1	C	1	0	*	46	30	0.16
	Paris	29.47	41	SW	4	0	29.28	-.38	36	36	0	N	1	r	*	0	*	43	36	0.32
	Brest	29.44	47	NNW	4	r	29.25	-.41	43	40	- 3	NW	4	bc	4	r	*	48	39	0.12
	Lorient	29.49	48	WSW	6	r	29.29	-.44	43	42	- 3	NW	3	c	3	r	*	52	39	0.35
France &	Rochefort ...	29.75	48	SW	5	0	29.44	-.44	49	47	+ 12	W	5	0	*	0	*	50	34	-
	Belfort	29.61	33	N	1	m	29.52	-.26	38	31	+ 7	W	1	m	*	m	*	40	26	-
	Lyons	29.69	36	W	1	b	29.58	-.15	32	29	+ 4	S	2	b	*	b	*	42	28	-
	Nice	29.59	48	E	0	0	29.63	+.04	42	41	- 2	E	1	c	1	0	*	55	44	-
	Perpignan ...	29.68	48	NW	4	b	29.64	-.05	44	40	- 2	E	0	0	*	b	*	52	43	-
	Biarritz ...	29.72	50	W	4	0	29.52	-.25	48	42	+ 5	NNW	4	c	3	0	*	52	42	-
Peninsula.	Corunna ...																*			
	Lisbon	29.92	52	NNW	3	0	29.76	-.16	54	53	+ 1	WSW	4	r	*	0	*	57	50	0.16
	Azores (P. Delgada)	3008	60	WSW	4	b	29.99	-.12	60	56	+ 3	SSW	4	c	4	b	*	64	57	-

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

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

Bright Sunshine yesterday Southport.....hrs;

WEATHER CHARTS

FOR Monday 21st February, 1898

BAROMETER, WIND AND SEA.

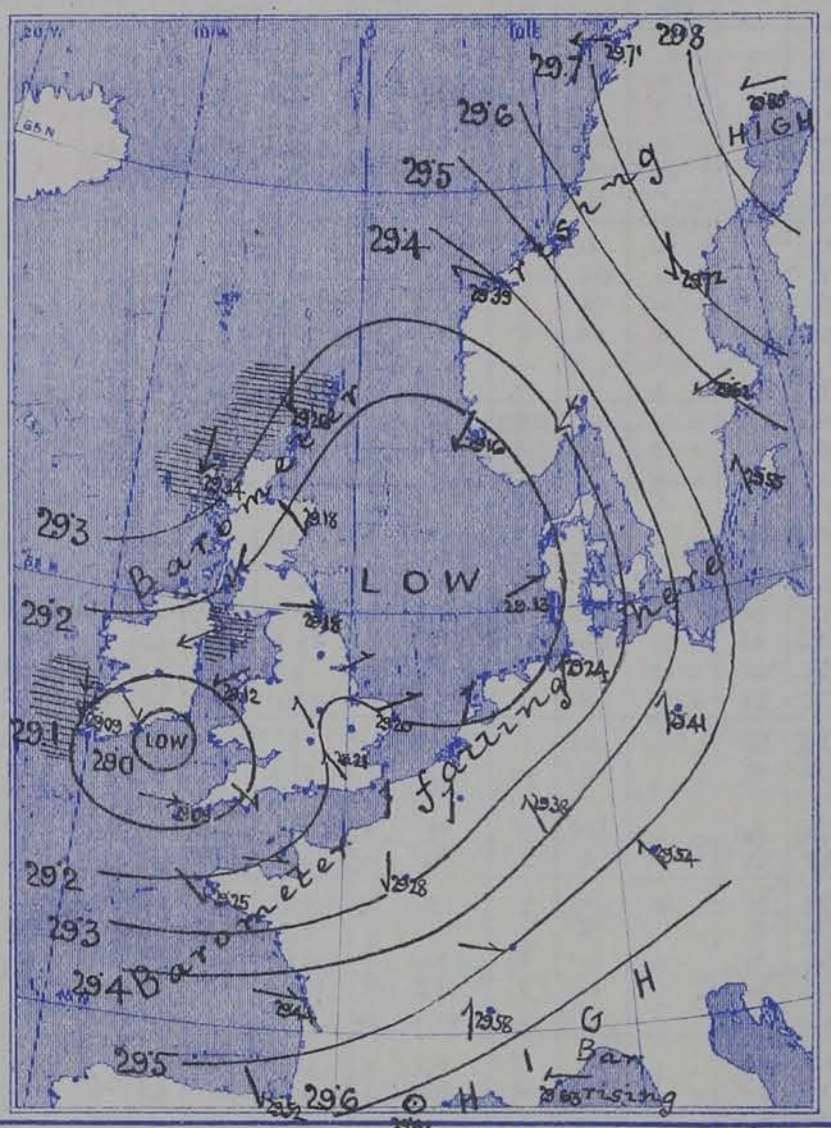
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▓


20°W
10°W
0
10°E
20°E
65°N
55°N
45°N
297
298
HIGH
296
295
294
293
292
291
LOW
290
Barometer falling
Barometer rising
Barometer falling
Barometer rising
Barometer falling
Barometer rising

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, (1) 29·8 in: and more to 29·5 in: over the northeastern parts of Scandinavia; (2) 29·6 in: and more to 29·5 in: over the southern parts of France.
Lowest, Below 29·0 in: in a well-marked depression lying near Queenstown, and apparently in another lying over the North Sea.
Gradients moderate and variable; distribution very complex.
Barometer rising decidedly in the north, falling in the southwest, changing very little in the southeast.

TEMPERATURE

Highest, 49° to 43° along the west coasts of France; 38° at Wick.
Lowest, (1) 11° at Haparanda, 20° at Stockholm; (2) 26° at Munich, 36° at Berlin and Paris; (3) 29° to 27° over our own midland counties.
It has been down to 10° on the grass at Oxford early this morning and to 17° in London.

WIND

Very variable – cyclonic in direction, but light to moderate in force. Mainly NE. on our north and northwest coasts, NW. at the mouth of the Channel, SW. to SE. over England.
N. gales have again been felt at several of our northern and northwestern stations.

WEATHER

Exceedingly changeable. Snow is falling at several of our northern stations, cold rain and hail showers in the west and in several parts of France. Over England the sky has cleared (temporarily) at several stations – but
Rain sleet and hail have fallen very generally, and in some localities the fall has been considerable.
Bright Sunshine yesterday amounted to 7·2 hrs: at York, 5·7 hrs: at Southport, and more than 4 hrs: at our northern and western stations generally. On the southeast coast of England it did not exceed 3 hrs:.

SEA

Still rough on our extreme northern and western coasts, moderate to smooth generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Both the depressions mentioned above are filling up. Cold changeable weather is still probable, with no decided indication of any permanent alteration. Fog is probable over England.

FORECASTS

For the 24 hours ending at NOON on 22nd FEB: 1898

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NE. and N. winds, light, cold showers.	6 SCOTLAND WEST	NE. winds; some cold showers.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.	Very Variable airs; foggy, cold; then NW., changeable, some showers.	8 ENGLAND S.W.	SW. and Variable winds; showery. cold.
3 ENGLAND EAST		9 IRELAND NORTH	Same as Nos. 6 and 7.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	NW. to NE. winds, colder, showery.
5 ENGLAND SOUTH		WARNINGS	At 10·45 am today to districts 2, 3, 5, and 8 "Lower Cone".

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ..	29.02	37	34	ESE	9	S	6
Sumburgh Head							
Stornoway	29.04	36	33	NW	5	6	5
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29.28	32	32	NNW	6	c	5
Belmullet	29.46	37	35	NW	4	6	*
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia							
Scilly							
Jersey	29.42	47	46	WSW	7	r	5
Hurst Castle ...							
Dungeness ...	29.24	46	44	WSW	5	c	?
North Foreland	29.24	44	41	W	6	c	4
London (Westminster)							*
Yarmouth ...							
Rochefort ...	29.83	48	43	SW	4	bc	*

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 FEB: 1898.

From Sunday to Wednesday in this week the barometer continued highest (30·5 ins: and more to 30·2 ins:) over Spain, the Bay of Biscay and France, while it was lowest off our northwestern and northern coasts. In this interval two large depressions reached our extreme northwestern and northern coasts, and moved thence to Norway, so that SW to W winds were prevalent over the United Kingdom, and occasionally blew very hard on the extreme northwestern and northern parts of our coasts. Rain was considerable over the Shetlands and Hebrides, but slight over England. Temperature rose to between 50° and 55° over Great Britain day by day, and touched 59° at Aberdeen on Tuesday and it was not till Thursday morning that even the daily minima began to be low for the time of year.

Then came a change, the anticyclonic system in the south took up a more westerly position; and the depressions which appeared off the coast of Scandinavia commenced moving southeastwards to the Baltic and Germany, while shallow, but well-formed secondaries appeared over Ireland and England. The wind soon shifted to NW. and increased greatly in force; temperature fell fast; so that on Saturday morning minima were recorded in the screen as low as 11° to 28° over the inland parts of Ireland and England (18° in the grass at Loughborough), squalls of snow, sleet, and hail were experienced in most places, and the condition was in many day inclement.

At the close of the week these cold showery, squally conditions appeared likely to continue.

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 22nd February, 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 ...	30·00	22	SE	2	s	30·09	+ ·24	19	18	+ 1	E	2	o	#	s	#	23	10	0·08
	Hernösand ...	29·80	19	NE	2	s	29·56	— ·16	31	31	+ 20	E	8	s	#	s	#	31	9	0·51
	Stockholm ...	29·50	33	SE	4	s	29·52	— ·11	34	33	+ 14	SE	4	s	#	s	#	34	18	0·83
	Wisby														#		#			
	Karlstad ...	29·44	25	NE	2	o	29·50	·00	15	15	— 7	WNW	2	f	#	5.0	#	#	#	0·12
	Bodö	29·80	22	ESE	6	b	29·81	+ ·10	22	18	+ 1	ESE	6	bc	2	b	#	22	18	—
	Christiansund ...	29·46	27	ESE	2	b	29·49	+ ·10	24	23	— 3	ESE	2	b	3	b	#	30	24	—
	Skudesnaes ...	29·30	34	ENE	4	o	29·45	+ ·29	31	30	— 2	NE	4	c	2	o	#	34	30	#
	Færder (Christiania Fjord)	29·39	27	NNE	6	s	29·51	+ ·18	23	22	— 2	NNW	4	bc	2	s	#	27	23	0·16
	Skagen (The Scaw)	29·37	34	SW	1	b	29·48	+ ·14	30	29	— 5	SW	1	bc	0	b	#	36	27	0·08
	Fanö	29·31	31	SSE	4	b	29·43	+ ·20	30	28	— 5	SE	4	c	#	b	#	39	28	—
	Sumburgh Head	29·33	34	NNE	2	s	29·34	+ ·28	34	33	0	NNE	4	o	5	s	#	37	32	0·38
	Stornoway ...	29·44	36	NNE	5	o	29·63	+ ·29	34	33	0	NNE	4	o	4	srhp.o	27	38	30	0·26
	Wick	29·32	35	NE	3	bc	29·50	+ ·29	36	35	— 2	E	4	chsp	4	bc	#	39	33	0·04
	Nairn	29·35	37	N	2	c	29·54	+ ·30	35	34	+ 2	N	1	b	2	c	#	38	31	0·09
	Aberdeen ...	29·27	36	NW	3	bc	29·50	+ ·32	34	33	0	N	4	cq	4	besp	3·8	38	30	0·04
	Leith	29·32	37	NNW	2	o	29·49	+ ·31	36	33	+ 5	N	2	c	#	sp.o	#	41	29	0·02
	Shields	29·23	34	W	2	o	29·41	+ ·23	37	35	+ 8	NW	2	c	3	s.o	#	39	28	0·13
	Spurn Head ...	29·22	36	WNW	3	b	29·36	+ ·19	35	34	+ 3	NW	3	bc	3	b	#	40	31	—
	York	29·29	34	W	1	b	29·42	+ ·24	33	32	+ 8	NNW	1	bc	#	b	4·8	42	25	—
	Loughborough ...	29·26	32	W	1	b	29·42	+ ·22	24	24	+ 1	Z	0	bm	#	c.bc.bm	#	43	21	—
British Islands.	Ardrossan ...	29·32	39	NNW	3	c	29·53	+ ·34	36	35	+ 7	NNW	2	b	1	c	#	40	28	—
	Malin Head ...	29·39	41	N	5	bcrsp	29·56	+ ·36	41	38	+ 6	N	4	bc	3	bcrsp	#	41	35	0·02
	Belmullet ...	29·49	42	NE	5	crsp	29·67	+ ·42	40	37	+ 2	NW	5	c	#	bcp.rsp	#	43	35	0·11
	Donaghadee ...	29·34	40	NNE	6	b	29·52	+ ·34	40	37	+ 5	NE	6	b	4	b	#	40	33	—
	Liverpool (Bidston)	29·29	35	NNW	2	b	29·45	+ ·29	34	32	+ 6	N	2	b	?	b	#	37	28	—
	Holyhead ...	29·29	38	NNE	4	c	29·45	+ ·33	40	38	+ 7	NE	4	c	3	c	#	41	31	—
	Parsonstown ...	29·38	36	N	1	bc	29·56	+ ·44	29	29	— 3	Z	0	b	#	bc	6·4	39	28	—
	Valencia ...	29·43	40	N	6	bcq	29·60	+ ·51	41	37	+ 2	NNE	4	bc	4	cq.bcq	5·6	43	36	0·10
	Roche's Point ..	29·35	39	NNE	5	bc	29·52	+ ·52	36	34	0	NNE	4	b	3	bc	#	42	34	—
	Pembroke (St. Ann's Hd.)	29·23	35	E	4	o	29·39	+ ·36	34	32	— 6	E	3	b	3	s.o	0·0	40	32	0·10
	Scilly	29·00	43	N	5	o	29·30	+ ·21	43	40	+ 1	NNE	7	c	4	chap.o	1·7	47	36	0·41
	Prawle Point ...	?29·05	34	NNW	3	c	29·23	+ ·08	31	30	— 1	NE	6	cg	5	c.sr.s	#	42	29	0·68
	Jersey (St. Aubin's)	29·12	46	SW	5	cpq	29·12	— ·08	42	41	+ 4	ESE	5	cw	5	hsp.cpq	#	48	36	0·07
	Hurst Castle ...	29·16	40	ENE	4	cm	29·22	+ ·05	36	36	0	NE	5	rsp	3	c.cm.2hrs	#	43	34	1·60
	Dungeness ...	29·23	36	ENE	2	c	29·33	+ ·13	39	38	+ 15	ESE	4	c	3	csp.c	#	40	22	0·04
	North Foreland	29·26	36	E	1	c	29·34	+ ·13	37	37	+ 5	E	2	o	2	s.c	#	40	32	—
	London (Brixton) ...	29·24	34	SE	2	ogm	29·34	+ ·13	35	33	+ 5	ENE	2	cm	#	bc.b.ps	1·4	40	30	—
	Oxford	29·28	33	NE	2	o	29·39	+ ·20	30	28	+ 3	NE	2	o	#	s.o	#	40	27	0·03
	Cambridge ...	29·27	33	E	1	b	29·41	+ ·19	23	23	— 3	E	1	bc	#	b	6·2	44	21	—
	Yarmouth ...	29·23	34	SSE	1	b	29·38	+ ·18	29	29	+ 1	W	2	b	3	b	#	35	25	—
Germany & Holland.	Cuxhaven ...	29·30	32	SSE	2	c	29·42	+ ·18	33	33	+ 2	SSE	2	o	#	c	#	36	30	—
	Berlin	29·42	41	SSW	3	c	29·52	+ ·11	35	33	— 1	SSE	2	b	#	c	#	45	34	—
	Wiesbaden ...	#	#	#	#	#	29·44	+ ·06	39	38	+ 2	W	2	o	#	#	#	48	37	0·08
	Munich... ..	29·52	32	SE	5	b	29·51	— ·03	26	26	0	SE	4	b	#	b	#	43	25	—
	The Helder ...	29·25	35	Z	o	o	29·39	+ ·19	30	30	— 1	S	1	f	1	o	#	39	27	—
Belgium.	Brussels ...	#	#	#	#	#	29·43	+ ·17	34	33	— 1	ESE	2	o	#	b	#	39	31	0·20
	Cape Gris Nez...	?29·24	32	E	1	o	?29·30	+ ·07	32	30	— 2	SE	2	c	2	o	#	39	27	0·16
	Paris	29·31	40	S	2	o	29·34	+ ·06	36	35	0	SE	2	bc	#	o	#	42	32	0·08
	Brest	29·06	44	WNW	5	c	29·16	— ·09	39	36	— 4	NW	6	o	4	c	#	46	36	0·24
	Lorient... ...	29·19	43	W	6	s	29·13	— ·16	40	39	— 3	NW	7	o	7	s	#	52	36	0·08
France &	Rochefort ...	29·42	48	W	4	o	29·36	— ·08	44	41	— 5	W	6	c	#	o	#	52	41	0·24
	Belfort	29·39	45	SW	4	c	29·45	— ·07	38	36	+ 5	NW	2	r	#	c	#	51	33	—
	Lyons	29·48	45	SSW	3	bc	29·41	— ·17	44	42	+ 12	S	5	r	#	bc	#	53	32	—
	Nice	29·69	44	E	1	c	29·60	— ·03	40	40	— 2	SE	5	b	4	c	#	56	39	0·04
	Perpignan ...	29·52	50	E	1	o	29·45	— ·19	42	39	— 2	Z	o	bc	#	o	#	59	36	—
	Biarritz ...	29·43	52	NW	4	o	29·44	— ·08	43	41	— 5	W	7	r	5	o	#	57	43	0·55
Peninsula.	Corunna ...														#		#			
	Lisbon	29·73	52	NW	4	b	29·71	— ·05	49	47	— 5	NW	3	r	#	b	#	57	49	0·20
	Azores (P. Delgada)	29·90	61	WSW	4	o	29·84	— ·15	60	59	o	S	3	o	3	o	#	64	59	0·04

For Explanation of Columns, see bottom of last page.

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

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

Bright Sunshine yesterday Southport 5·7 hrs;

WEATHER CHARTS

FOR Tuesday, 22nd February, 1898

BAROMETER, WIND AND SEA.

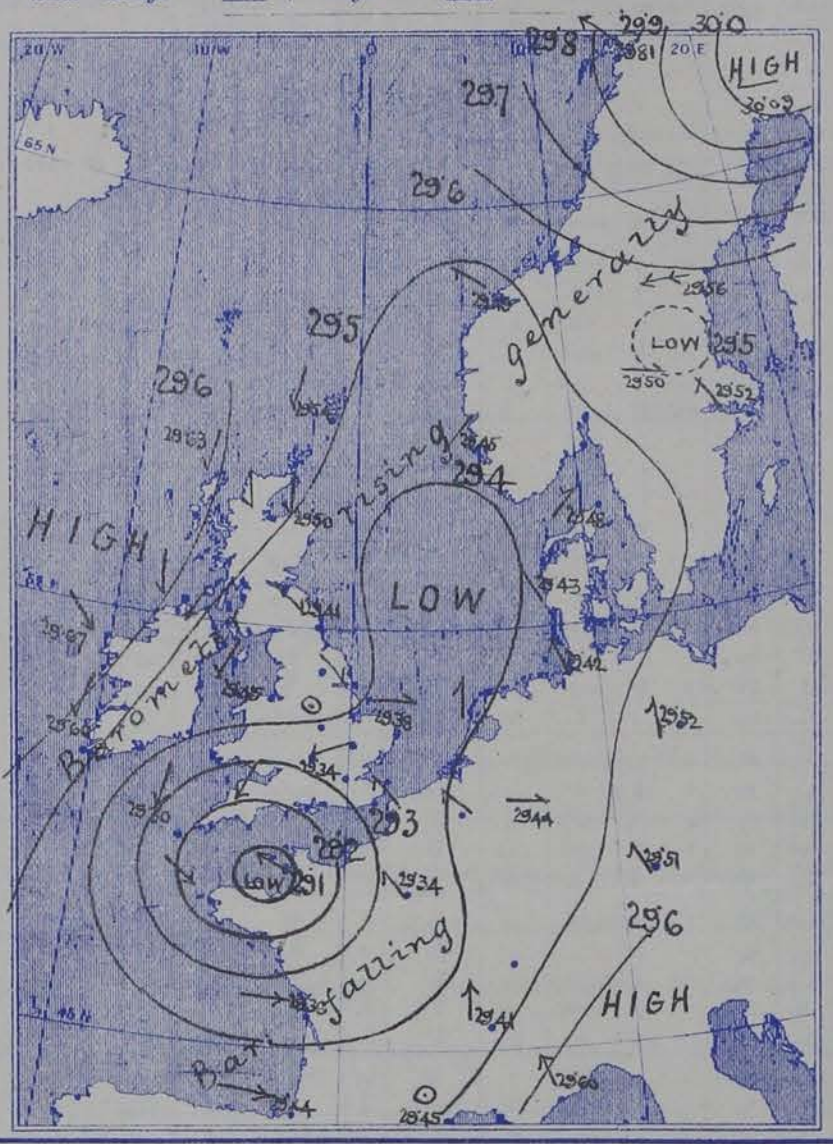
BAROMETER—Isobars are drawn for each tenth of an inch.

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

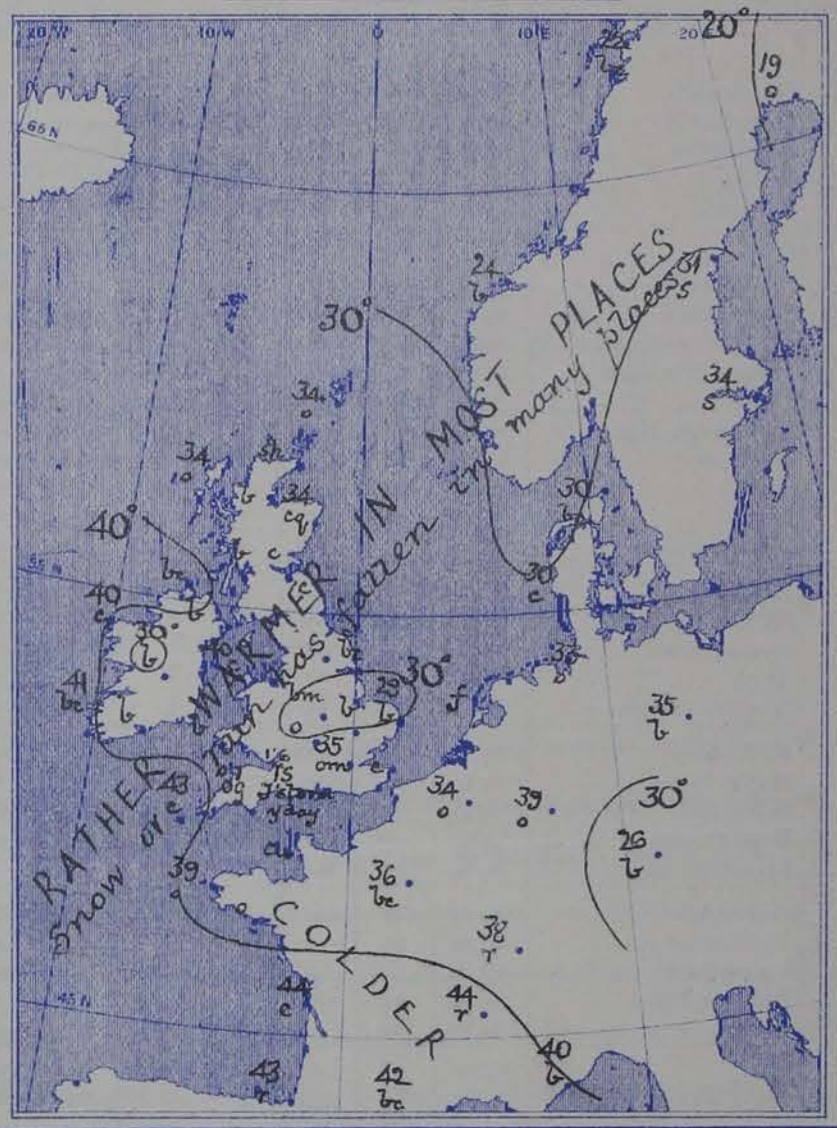


TEMPERATURE & WEATHER.

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 FEBRUARY.*

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 · 772	38 · 6	37 · 2	42 · 2	34 · 4	51	1887, 91	17	1895	3 · 11	—	—
Stornoway	29 · 775	38 · 9	38 · 0	43 · 6	34 · 2	55	1891	12	1892	3 · 80	63 · 6	25
Wick	29 · 800	37 · 7	36 · 4	42 · 9	32 · 9	59	1878	2	1895	2 · 16	—	—
Nairn	29 · 815	36 · 7	35 · 1	43 · 4	32 · 5	64	1891	0	1895	1 · 65	—	—
Aberdeen	29 · 853	36 · 9	35 · 2	43 · 1	33 · 3	59	1878, 83	6	1895	2 · 26	73 · 4	28
Leith	29 · 873	38 · 1	36 · 7	45 · 5	33 · 9	59	1882	12	1895	1 · 51	—	—
Shields	29 · 908	38 · 3	36 · 9	43 · 9	34 · 4	59	1887	7	1895	1 · 50	—	—
Spurn Head	29 · 938	38 · 1	37 · 2	42 · 2	35 · 4	57*	1891	20*	1895	1 · 32	—	—
York	29 · 945	37 · 0	36 · 0	44 · 4	33 · 2	59	1872, 78	3	1895	1 · 68	60 · 0	22
Loughborough	29 · 972	36 · 7	35 · 5	45 · 2	33 · 0	64*	1891	—5*	1895	1 · 71	—	—
Ardrossan	29 · 880	39 · 2	38 · 0	44 · 4	35 · 9	56	1891	13	1895	2 · 93	—	—
Malin Head	29 · 844	41 · 0	39 · 5	45 · 5	38 · 3	—	—	—	—	—	—	—
Belmullet	29 · 870	42 · 3	40 · 7	47 · 2	38 · 8	—	—	—	—	4 · 20	—	—
Donaghadee	29 · 894	40 · 0	39 · 1	45 · 5	36 · 6	56	1894	16	1895	2 · 34	—	—
Holyhead	29 · 923	41 · 1	39 · 8	45 · 4	38 · 3	59	1891	17	1895	2 · 42	—	—
Liverpool	29 · 943	38 · 5	37 · 0	44 · 3	35 · 7	62	1878	12	1895	1 · 68	—	—
Parsonstown	29 · 915	39 · 1	37 · 8	46 · 8	35 · 1	59	1891	6	1895	2 · 16	68 · 0	25
Valencia	29 · 917	44 · 3	42 · 6	49 · 5	40 · 3	58	1891	22	1895	4 · 89	72 · 9	27
Roche's Point	29 · 927	43 · 0	41 · 4	48 · 2	39 · 4	56	1877, 89	25	1895	4 · 19	—	—
Pembroke	29 · 948	41 · 8	40 · 5	45 · 3	39 · 0	52	1877, 91	23	1895	2 · 62	79 · 9	29
Scilly	29 · 964	45 · 7	44 · 1	48 · 6	42 · 4	56	1877	27	1895	2 · 62	—	—
Prawle Point	29 · 996	41 · 2	40 · 2	46 · 6	37 · 8	57*	1891	21*	1888, 92, 95	1 · 94	—	—
Jersey	30 · 016	42 · 0	40 · 6	46 · 8	38 · 8	62	1891	18	1895	2 · 41	95 · 0	34
Hurst Castle	29 · 996	39 · 8	38 · 8	45 · 4	36 · 3	60	1877	17	1895	2 · 10	—	—
Dover	29 · 990	38 · 8	37 · 7	44 · 2	35 · 5	56	1882	11	1889	1 · 81	—	—
LONDON	29 · 996	38 · 1	36 · 8	45 · 5	34 · 5	62	1876, 91	10	1895	1 · 54	33 · 0†	12†
Oxford	29 · 994	37 · 3	36 · 1	44 · 9	34 · 2	64	1891	7	1895	1 · 76	66 · 3	24
Cambridge	29 · 987	36 · 7	35 · 7	45 · 5	32 · 1	67	1891	6	1895	1 · 42	70 · 5	26
Yarmouth	29 · 967	37 · 8	36 · 9	42 · 3	34 · 0	58	1872	15	1895	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) 30.0 ins. and more to 29.6 ins. over Lapland and the N. parts of Norway and Sweden; (2) 29.6 ins. over the Riviera.
Lowest about 29.1 ins. in a depression near St. Malo, and below 29.4 ins. over the North Sea.
Gradients slight except over Brittany and the W. parts of the English Channel, where they were still rather steep. Barometer rising on all our coasts, falling in the NW. and W. of France.

TEMPERATURE — Highest 44° to 40° over the S.W. parts of France, 43° at Scilly, 41° to 40° along the W. coasts of Ireland.
Lowest (1) 19° at Haparanda, 22° at Bodö, 15° at Karlstad; (2) 26° at Munich; (3) 23° at Cambridge, 24° at Loughborough, 29° at Parsonstown.
The frost has been very keen over our inland districts during the night, the minima in the screen being 21° at Cambridge and Loughborough, 25° at York, 29° at Parsonstown. At Loughborough the minimum was 14° on the grass.

WIND — N. & NE. over our western and northern districts – moderate to strong in force, light E. over the eastern parts of the English Channel, but light from NW. on our northeastern & eastern coasts.
It blew a fresh gale from the NE. on the Devonshire and Cornish coasts during part of last night.

WEATHER — Fair to clear over nearly the whole of the Kingdom, but cold rain and sleet are reported at Hurst Castle, and a threatening appearance at Jersey.
A great deal of rain and wet snow has fallen on our SW. coasts, the amounts measured this morning being 1.6 ins. at Hurst Castle, 0.7 in. at Prawle Pt., and 0.4 in. at Scilly; thunder and lightning also at Hurst Castle. Bright Sunshine recorded yesterday was more than 6 hrs both at Parsonstown and Cambridge, 5.6 hrs. at Valencia and Southport – less elsewhere, none at Pembroke.

SEA — Rather rough at the mouth of the Channel and at Dunbeath Head.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer continues to rise over our Islands, and a continuation of cold weather is probable with some snow in the south.

FORECASTS

For the 24 hours ending at NOON on 23RD FEB. 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	N. breezes, moderate, fair, cold.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	NE. to N. breezes, light, cold, some snow.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	NE. and N. breezes, fresh to moderate, fine, very cold 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 ...	29.22	33	32	ENE	7	o	4
Sumburgh Head	29.29	35	35	NNE	3	s	5
Stornoway	29.41	38	36	NNE	5	c	5
Aberdeen	29.23	36	34	N	4	bcqsp	6
Shields	29.20	32	32	WNW	3	s	2
Ardrossan	29.28	40	29	NNW	3	c	1
Malin Head ...	29.32	40	38	N	3	bc	2
Belmullet	29.44	43	40	ENE	4	bcp	*
Holyhead	29.24	40	36	NE	3	c	2
Valencia	29.33	40	35	NNE	7	cq	6
Scilly	28.97	42	41	NNW	4	crhp	4
Jersey	29.18	48	42	SSW	4	bc	3
Hurst Castle ...	29.17	41	39	E	1	c	2
Dungeness ...	29.19	37	36	NE	2	csp	2
North Foreland	29.20	35	34	N	1	s	1
London (Westminster)	29.20	40	35	SE	2	bc	*
Yarmouth ...	29.22	35	31	S	1	b	1
Rochefort ...	29.41	49	47	NNW	5	o	*

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

Weather in morning fair over many parts both of S.E.rn and N.rn Europe, dull and very changeable at the N.W.rn, W.rn and central stations, with snow and cold rain in many parts of our Islands, rain in the N. of France, snow in N. Germany. Considerable snow later over Sweden, the Shetlands and Hebrides, and large quantities of cold rain and wet snow over the S.W.rn counties of England; smaller quantities in many parts of France. Thunder and lightning at Hurst Castle in evening.

Temperature risen a little over Scotland and decidedly over central France, fallen very fast over England, slightly over Germany. Morning readings highest 50° and more on the southern side of the Mediterranean and at Lisbon, 49° at Rochefort, 43° at Brest, 42° at Scilly, 39° at Valencia (Ireland). Lowest (1) 10° at Moscow, and below 20° over the greater part of Russia; (2) 11° at Hernosand, 22° at Karlstad, 31° at Cuxhaven; (3) 23° to 30° over the inland and N.E.rn parts of England, 32° at Parsonstown. Not touching 50° in any part of our Islands later, but rising to 52° in the S.W. of France, to 55° at Nice, and 59° at Perpignan.

Wind light and variable over all the southern and eastern parts of Europe; but chiefly N.W.ly to W.ly in the west and north of France, S.ly over Holland and Germany, S.E.ly over England; N.E.ly to E.ly over Scandinavia, and N.E.ly to N.ly over Scotland and Ireland (a gale at several of the Irish stations). Shifting from W. to N. and N.E. over Devon and Cornwall later, and blowing a gale for short intervals. N.E.ly and N.ly winds becoming very general over the British Islands.

Barometer. Highest (1) 30.0 ins. and more to 29.9 ins. over the south, and above 29.9 in. over the N. of Russia; (2) exceeding 29.7 ins. over Algeria and the S.rn half of Spain. Lowest 29.0 ins. and less to 29.2 ins. in a complex depression covering the North Sea, England and Ireland, the most clearly marked minimum being off the S.E. coast of Ireland. This latter system moving S.E.wds later, and barometer rising on all our coasts, falling in the N.W. and W. of 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.

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 Wednesday, 23rd February, 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 ...	30·03	22	SE	6	S	30·13	+·04	19	19	0	SE	6	S	*	S	*	25	18	0·20
	Hernösand ...	29·71	31	S	0	bc	29·99	+·43	5	5	−26	S	0	b	*	bc	*	32	?	0·47
	Stockholm ...	29·75	33	S	0	r	29·93	+·41	34	33	0	SE	2	S	*	r	*	36	32	0·39
	Wisby	29·75	35	S	4	0	29·90		36	35		SSE	4	0	*	0	*	36	32	0·04
	Karlstad ...	29·77	22	W	2	0	29·94	+·44	17	16	+2	WSW	2	0	*	0	*	*	*	-
	Bodö	29·76	28	ESE	6	0	29·78	−·08	31	28	+9	ESE	4	0	1	0	*	31	19	-
	Christiansund ...	29·58	30	SW	1	0	29·78	+·29	32	29	+8	SW	3	S	4	0	*	32	24	-
	Skudesnaes ...	29·66	32	ESE	4	S	29·77	+·32	33	32	+2	SE	4	S	3	S	*	34	30	*
	Færder (Christiania Fjord)	29·69	30	SE	1	bc	29·89	+·38	24	23	+1	NE	2	0	2	bc	*	30	23	-
	Skagen (The Scaw)	29·73	31	SE	1	0	29·84	+·36	31	31	+1	ENE	2	0	0	0	*	36	27	-
	Fanö	29·62	34	SE	4	0	29·69	+·26	39	32	+3	ENE	2	S	*	0	*	36	30	0·04
BRITISH ISLANDS.	Sumburgh Head	29·67	39	N	3	0	29·85	+·31	31	30	−3	N	1	bc	4	bc.o	*	37	30	0·12
	Stornoway ...	29·77	37	NE	4	0	29·90	+·27	34	34	0	W	3	0	3	h.p.bc.o	3·0	37	30	0·12
	Wick	29·73	38	NNW	1	c	29·87	+·37	34	33	−2	NNW	2	bc	2	bc	*	41	28	0·03
	Nairn	29·74	37	NNW	1	c	29·93	+·39	31	29	−4	NNW	2	bc	1	c	*	42	28	-
	Aberdeen ...	29·69	34	NW	3	bc	29·91	+·41	31	30	−3	NW	3	bc	3	qr sp.bc	2·6	39	29	0·06
	Leith	29·68	37	N	2	b	29·94	+·45	32	30	−4	NNW	2	bc	*	b	*	43	29	-
	Shields	29·59	40	N	2	bc	29·88	+·47	34	33	−3	NNW	3	c	4	c.bc.hrsp	*	43	33	0·02
	Spurn Head ...	29·51	41	N	5	c	29·75	+·39	40	37	+5	N	5	b	4	c.ghr.b	*	42	35	0·01
	York	29·57	37	NNW	2	c	29·85	+·43	33	32	0	N	1	bc	*	bc.ps	4·6	40	30	0·01
	Loughborough ...	29·55	37	N	2	bc	29·81	+·39	32	30	+8	NW	2	bm	*	bc.cm.b	*	43	24	-
	Ardrossan ...	29·69	40	NNW	1	0	29·94	+·41	32	31	−4	NNE	1	bf	1	b.o	*	43	31	-
	Malin Head ...	29·74	41	N	4	bc	29·96	+·40	40	37	−1	NNE	2	bc	1	b.bc	*	42	37	-
	Belmullet ...	29·82	42	NNE	4	b	30·02	+·35	37	36	−3	ENE	3	c	*	bc.b	*	45	30	0·04
	Donaghadee ...	29·71	42	NNE	4	b	29·96	+·44	39	36	−1	NE	5	b	3	b	*	44	37	-
	Liverpool (Bidston)	29·63	36	N	2	b	29·90	+·45	34	32	0	N	1	b	2	b	*	40	31	-
	Holyhead ...	29·64	41	NE	4	bc	29·92	+·47	39	36	−1	NNE	3	b	2	bc	*	42	36	-
	Parsonstown ...	29·75	38	W	0	b	30·00	+·44	25	25	−4	W	0	b	*	b	6·5	43	25	-
	Valencia ...	29·77	43	NNE	4	bc	30·02	+·42	35	33	−6	W	0	b	2	bc	6·1	46	32	0·01
	Roche's Point ..	29·69	43	NNE	4	b	29·99	+·47	36	34	0	N	3	b	3	b	*	45	34	-
	Pembroke (St. Ann's Hd.)	29·61	39	ENE	4	b	29·89	+·50	38	35	+4	E	4	c	3	b	8·3	42	33	-
	Scilly	29·48	44	N	6	c	29·83	+·53	44	39	+1	NNE	5	c	4	c	4·4	45	37	-
	Prawle Point ...	29·44	34	NNE	5	0	29·80	+·57	32	31	+1	NNE	4	c	3	osp.c	*	34	30	0·35
	Jersey (St. Anbin's)	29·25	41	ENE	3	othp	29·68	+·56	42	39	0	NE	6	om	5	r.c.thp	*	44	38	0·38
	Hurst Castle ...	29·42	40	NE	4	0	29·74	+·52	36	35	−0	NNE	5	bcm	3	om	*	40	34	0·18
	Dungeness ...	29·43	40	NNE	5	cm	29·67	+·34	35	34	−4	NW	2	c	1	o.c	*	42	33	-
	North Foreland	29·48	40	ENE	4	0	29·68	+·34	40	39	+3	N	4	r	3	0	*	40	35	0·01
	London (Brixton) ...	29·49	40	NE	3	bcm	29·74	+·40	36	34	+1	NE	4	c	*	o.b	0·0	43	34	-
	Oxford	29·57	36	NE	2	c	29·80	+·41	32	31	+2	N	3	bc	*	c	*	40	30	-
	Cambridge ...	29·53	37	N	3	0	29·77	+·36	33	32	+10	N	3	bc	*	bc.thp	4·4	43	22	0·01
	Yarmouth ...	29·48	38	W	0	b	29·67	+·29	39	37	+13	N	4	b	4	b.rs	*	40	27	0·01
GERMANY & HOLLAND.	Cuxhaven ...	29·54	36	S	1	c	29·57	+·15	35	35	+2	NE	3	0	*	c.r	*	39	33	0·12
	Berlin	29·59	41	SE	2	bc	29·57	+·05	33	33	−2	ESE	4	0	*	bc	*	45	32	-
	Wiesbaden ...	*	*	*	*	*	29·58	+·06	35	35	−4	SE	2	0	*	*	*	46	35	0·12
	Munich	29·44	32	SE	2	b	29·52	+·01	34	33	+8	W	5	0	*	b	*	43	26	-
	The Helder ...	29·52	33	W	0	m	29·63	+·24	36	35	+6	NNE	1	b	1	m	*	37	30	-
BELGIUM.	Brussels ...	*	*	*	*	*	29·65	+·22	31	31	−3	NNW	1	f	*	c	*	44	30	-
	Cape Gris Nez ...	29·42	37	ESE	4	0	29·61	+·31	37	34	+5	E	1	m	1	c	*	39	28	0·08
	Paris	29·40	39	SE	2	r	29·59	+·25	31	31	−5	NE	1	m	*	r	*	47	30	0·32
	Brest	29·34	38	NE	5	r	29·71	+·55	40	40	+1	NE	4	c	3	r	*	45	34	0·28
	Lorient	29·29	41	NW	6	0	29·62	+·49	43	41	+3	N	6	c	4	0	*	48	37	-
FRANCE &	Rochefort ...	29·43	41	W	6	0	29·55	+·19	40	38	−4	N	5	0	*	o.tlh	*	50	37	0·28
	Belfort	29·45	35	W	0	b	29·58	+·13	33	33	−5	SW	1	m	*	b	*	44	33	0·47
	Lyons	29·48	39	E	1	0	29·63	+·22	32	32	−12	W	1	b	*	0	*	?	30	-
	Nice	29·47	44	ENE	4	r	29·51	−·09	40	38	0	E	1	0	4	r	*	45	39	1·22
	Perpignan ...	29·53	46	NW	2	c	29·63	+·18	36	34	−6	W	1	b	*	c	*	52	34	0·04
	Biarritz ...	29·50	46	W	1	r	29·53	+·09	50	46	+7	SW	8	0	5	klr	*	48	41	0·51
PENINSULA.	Corunna ...																*			
	Lisbon	29·78	46	NNW	3	b	29·94	+·23	46	42	−3	NNE	2	bc	*	b	*	54	45	0·12
	Azores (P. Delgada)	29·86	59	ESE	4	0	29·43	−·41	59	57	−1	SE	5	c	6	0	*	64	57	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 8.5 hrs;

WEATHER CHARTS

FOR Wednesday, 23rd February, 1898

BAROMETER, WIND AND SEA.

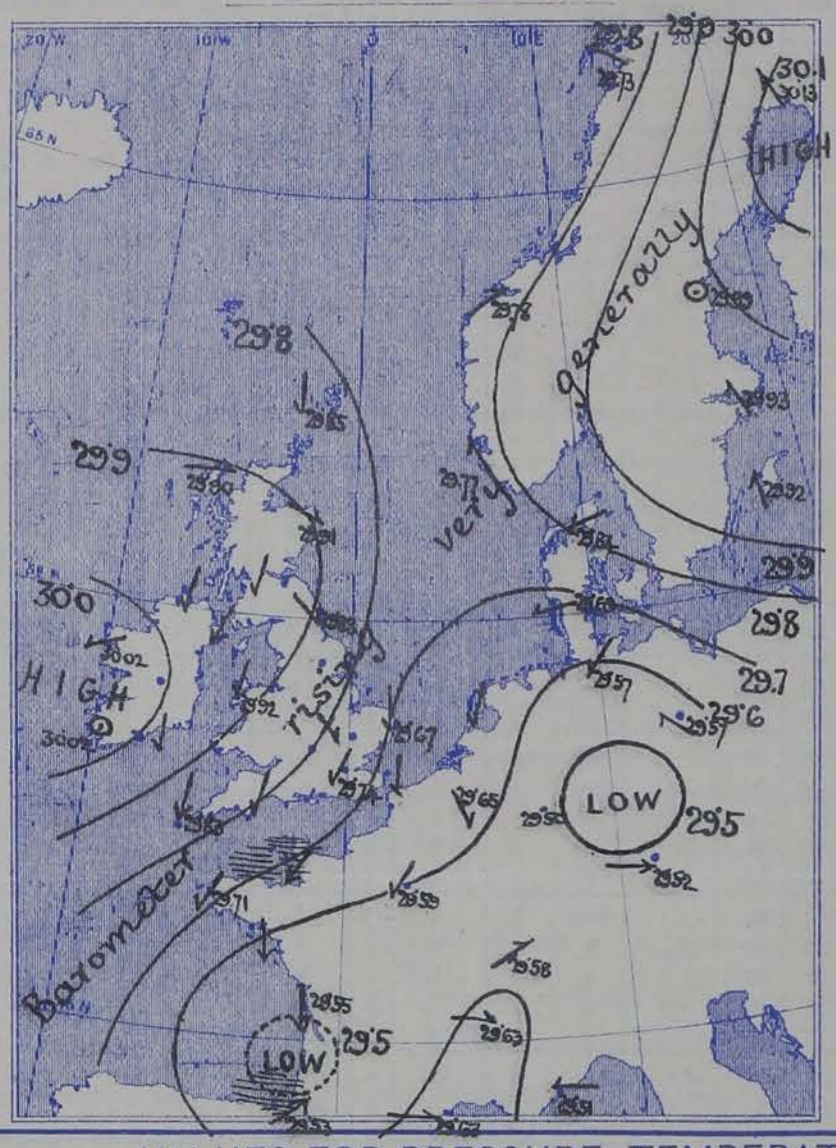
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▦

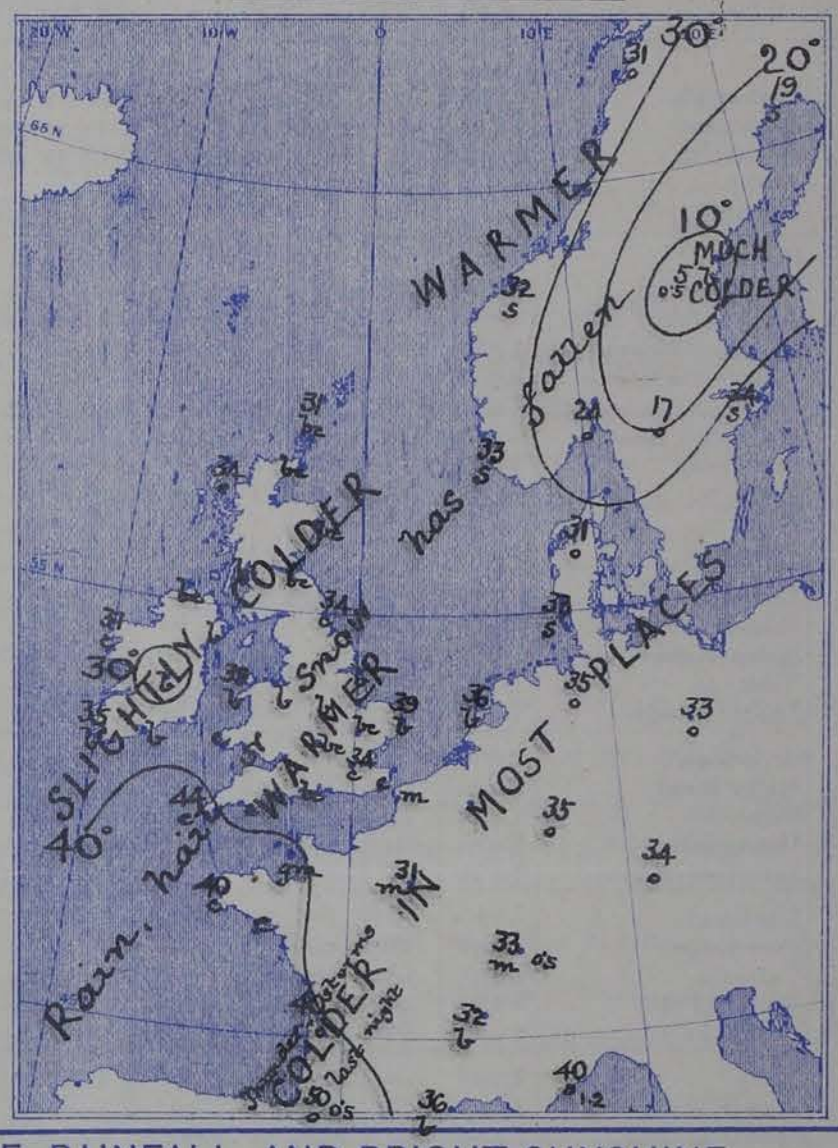


TEMPERATURE & WEATHER.

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 FEBRUARY.*

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 · 772	38 · 6	37 · 2	42 · 2	34 · 4	51	1887, 91	17	1895	3 · 11	—	—
Stornoway	29 · 775	38 · 9	38 · 0	43 · 6	34 · 2	55	1891	12	1892	3 · 80	63 · 6	25
Wick	29 · 800	37 · 7	36 · 4	42 · 9	32 · 9	59	1878	2	1895	2 · 16	—	—
Nairn	29 · 815	36 · 7	35 · 1	43 · 4	32 · 5	64	1891	0	1895	1 · 65	—	—
Aberdeen	29 · 853	36 · 9	35 · 2	43 · 1	33 · 3	59	1878, 83	6	1895	2 · 26	73 · 4	28
Leith	29 · 873	38 · 1	36 · 7	45 · 5	33 · 9	59	1882	12	1895	1 · 51	—	—
Shields	29 · 908	38 · 3	36 · 9	43 · 9	34 · 4	59	1887	7	1895	1 · 50	—	—
Spurn Head	29 · 938	38 · 1	37 · 2	42 · 2	35 · 4	57*	1891	20*	1895	1 · 32	—	—
York	29 · 945	37 · 0	36 · 0	44 · 4	33 · 2	59	1872, 78	3	1895	1 · 68	60 · 0	22
Loughborough	29 · 972	36 · 7	35 · 5	45 · 2	33 · 0	64*	1891	—5*	1895	1 · 71	—	—
Ardrossan	29 · 880	39 · 2	38 · 0	44 · 4	35 · 9	56	1891	13	1895	2 · 93	—	—
Malin Head	29 · 844	41 · 0	39 · 5	45 · 5	38 · 3	—	—	—	—	—	—	—
Belmullet	29 · 870	42 · 3	40 · 7	47 · 2	38 · 8	—	—	—	—	4 · 20	—	—
Donaghadee	29 · 894	40 · 0	39 · 1	45 · 5	36 · 6	56	1894	16	1895	2 · 34	—	—
Holyhead	29 · 923	41 · 1	39 · 8	45 · 4	38 · 3	59	1891	17	1895	2 · 42	—	—
Liverpool	29 · 943	38 · 5	37 · 0	44 · 3	35 · 7	62	1878	12	1895	1 · 68	—	—
Parsonstown	29 · 915	39 · 1	37 · 8	46 · 8	35 · 1	59	1891	6	1895	2 · 16	68 · 0	25
Valencia	29 · 917	44 · 3	42 · 6	49 · 5	40 · 3	58	1891	22	1895	4 · 89	72 · 9	27
Roche's Point	29 · 927	43 · 0	41 · 4	48 · 2	39 · 4	56	1877, 89	25	1895	4 · 19	—	—
Pembroke	29 · 948	41 · 8	40 · 5	45 · 3	39 · 0	52	1877, 91	23	1895	2 · 62	79 · 9	29
Scilly	29 · 964	45 · 7	44 · 1	48 · 6	42 · 4	56	1877	27	1895	2 · 62	—	—
Prawle Point	29 · 996	41 · 2	40 · 2	46 · 6	37 · 8	57*	1891	21*	1888, 92, 95	1 · 94	—	—
Jersey	30 · 016	42 · 0	40 · 6	46 · 8	38 · 8	62	1891	18	1895	2 · 41	95 · 0	34
Hurst Castle	29 · 996	39 · 8	38 · 8	45 · 4	36 · 3	60	1877	17	1895	2 · 10	—	—
Dover	29 · 990	38 · 8	37 · 7	44 · 2	35 · 5	56	1882	11	1889	1 · 81	—	—
LONDON	29 996	38 · 1	36 · 8	45 · 5	34 · 5	62	1876, 91	10	1895	1 · 54	33 · 0†	12†
Oxford	29 · 994	37 · 3	36 · 1	44 · 9	34 · 2	64	1891	7	1895	1 · 76	66 · 3	24
Cambridge	29 · 987	36 · 7	35 · 7	45 · 5	32 · 1	67	1891	6	1895	1 · 42	70 · 5	26
Yarmouth	29 . 967	37 · 8	36 · 9	42 · 3	34 · 0	58	1872	15	1895	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) 30·0 ins: and more to 29·9 ins: over the eastern part of an anticyclone spreading in from the Atlantic over Ireland, the Irish Sea, and Scotland; (2) 30·1 ins: and more to 29·9 ins: over Finland, the Gulf of Bothnia, and the northern parts of Sweden

Lowest, Below 29·5 ins: in two shallow depressions – one lying over Western Germany, the other near Bordeaux.

Gradients moderate. Distribution over our Islands mainly anticyclonic. Barometer rising all over our Islands.

TEMPERATURE

Highest, 50° at Biarritz, 43° to 40° along the northwest coasts of France, 44° at Scilly.

Lowest, (1) 5°F. at Hernösand, 17° at Karlstad, 24° at Sunder; (2) 25° at Parsonstown, 32° to 34° over the inland parts of England; (3) 31° at Paris, 32° at Lyons, 34° at Munich.

WIND

(1) Anticyclonic from NW. over Scotland, from N. and NE. over England and Ireland; cyclonic over the Bay of Biscay.
(2) Cyclonic SE to SW in the west of Norway, but anticyclonic from SE. over Finland and Sweden.
(3) Light to fresh, but cyclonic, from ESE. at Berlin, and from W. at Munich.

WEATHER

Fine over our Islands generally, rather unsettled over the Continent;– very dull over Germany and the northern half of France, dull, with snow at many of the Scandinavian stations.
There has been further falls of rain and sleet in the southwest of England, heavy rain in the south and southwest of France, and considerable falls in Sweden. Bright Sunshine recorded yesterday was more than 8 hrs: at Southport and Pembroke, more than 6 hrs in Ireland, and more than 4 hrs at York, Cambridge, and Scilly. In London there was none.

SEA

Rather rough in the Channel, moderate to smooth elsewhere

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depressions over Germany and France are filling up. The anticyclone off our western coasts is spreading more and more over Ireland and England. In the north of Norway, however, the barometer has begun to fall again – pointing to the advance of a new depression (apparently from the northwestward) which will probably affect Scotland tonight or tomorrow. Sharp frost is probable over England tonight.

FORECASTS

For the 24 hours ending at NOON on 24th FEB: 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW½ and W½ winds; fine today and cold, milder tomorrow.
1	SCOTLAND EAST	
2	ENGLAND N.E.	NE½ and N½ winds, falling light gradually; fine, very cold tonight.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos 0 and 1.
7	ENGLAND N.W.	Same as Nos 2 to 5.
8	ENGLAND S.W.	
9	IRELAND NORTH	N½ and NW½ winds, light; fair, cold.
10	IRELAND SOUTH	Variable airs; fair, cold, hazy at times.
	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 ...	29.57	34	32	SE	4	S	3
Sumburgh Head	29.61	35	33	NNE	2	bc	5
Stornoway	29.72	36	35	NE	4	o	4
Aberdeen	29.61	38	35	NW	4	cgrsp	4
Shields	29.51	42	38	N	3	c	4
Ardrossan	29.63	41	39	NNE	3	b	1
Malin Head ...	29.68	42	39	NE	3	b	3
Belmullet	29.75	45	40	NE	4	bc	*
Holyhead	29.56	42	38	NNE	4	bc	4

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.69	44	39	NNE	4	bc	4
Scilly	29.41	44	40	N	1	c	4
Jersey	29.18	44	42	ENE	5	c	5
Hurst Castle ...	29.33	40	38	NE	4	o m	3
Dungeness ...	29.38	40	39	ENE	5	o	4
North Foreland	29.44	40	38	E	3	o	2
London (Westminster)	29.42	42	38	NE	3	c	
Yarmouth ...	29.44	40	37	SE	2	b	3 *
Rochefort ...	29.43	43	41	SW	5	o	*

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

Weather in morning clearing up over the greater part of our Islands, but still very unsettled over the southwest of England, Brittany, and the west of France, and not at all settled over any part of western and northwestern Europe; snow falling in Sweden, sleet at Hurst Castle, rain at Lisbon, and in many parts of France. Heavy rain and thunderstorms reported later in the west and southwest of France, a considerable fall over the western parts of the Channel, as well as in Sweden.

Temperature falling over Ireland, at Carlstad, and over Russia, rising somewhat over England and Central Europe. Morning readings highest 57° at Algiers, 51° at Brindisi, 49° at Lisbon, 43° at Scilly, 41° at Valencia and Malin Head. Lowest (1) −2° F. at Moscow, −1° at Archangel, 18° at St Petersburg; hard frost over Russia and Scandinavia generally; (2) 23° to 30° over our south Midland counties, 29° at Paramatoron. Rising later to between 40° and 46° over England, Ireland, and France, and touching 52° at Perpignan and 48° at Biarritz. Succeeding night frosty again over our Islands.

Wind (1) N. to NE. over the northern and western parts of our Islands – strong in places – NW. to W. strong in the west of France, but SE. at Jersey; variable (cyclonic) but light, over the North Sea; (3) SE. to E. strong to a gale, over Finland and the northern parts of Scandinavia. The NE. breeze spreading all over England later as well as to the Channel Islands and Brittany; W. wind blowing very strongly in the southwest of France.

Barometer (1) 30·53 ins: at Archangel, and exceeding 30·0 ins: over almost the whole of Russia; (2) Above 29·6 ins: off our extreme northwestern and western coasts and over the southwestern half of Spain – rather higher over northern Africa. Lowest (1) About 29·1 ins: in a depression near St Malo; below 29·4 ins: in another over the North Sea, and about 29·5 ins: in a third over Sweden (rather to the northwestward of Stockholm). Rising over our Islands and northwestern Europe all day; depression near St Malo moving 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 February, 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	16	SE	2	0	30·47	+·34	16	15	- 3	2	0	bc	*	0	*	25	14	0·08
	Hernösand ...	30·17	21	2	0	S	30·24	+·25	23	20	+ 18	2	0	0	*	S	*	30	3	0·20
	Stockholm ...	30·07	33	SE	2	0	30·07	+·14	33	33	- 1	SE	2	S	*	0	*	36	28	0·16
	Wisby	30·01	33	SSE	4	0	30·05	+·18	33	32	- 3	SSE	4	1	*	0	*	36	30	0·08
	Karlstad ...	30·01	28	N	2	S	30·08	+·14	27	27	+ 10	NNE	2	S	*	S	*	*	*	0·32
	Bodö	29·98	29	E	4	0	30·27	+·54	28	24	- 3	E	4	b	2	0	*	32	25	-
	Christiansund ...	30·07	34	SE	1	b	30·19	+·41	28	26	- 4	ESE	3	b	3	b	*	36	28	-
	Skudesnaes ...	30·07	30	2	0	b	30·16	+·38	22	22	- 11	NE	2	b	1	c,b	*	35	21	*
	Færder (Christiania Fjord)	30·01	30	N	6	0	30·13	+·24	28	27	+ 4	N	6	0	8	0	*	30	23	0·04
	Skagen (The Scaw)	29·94	32	NE	3	S	30·01	+·17	33	32	+ 2	NE	4	0	1	S	*	33	30	0·08
	Fanö	29·84	35	NE	4	S	29·94	+·25	33	32	0	NE	4	0	*	S	*	36	32	0·20
British Islands.	Sumburgh Head	29·96	36	2	0	c	30·03	+·18	41	38	+ 10	SW	2	c	9	bc.c	*	45	31	-
	Stornoway ...	29·96	40	WSW	2	0	29·95	+·05	41	39	+ 7	SSW	4	0	4	0	0·0	42	32	0·04
	Wick	30·00	38	N	1	c	30·02	+·15	38	37	+ 4	S	2	c	1	c	*	41	31	-
	Nairn	30·05	35	2	0	c	30·09	+·16	28	27	- 3	2	0	b	1	b	*	43	22	-
	Aberdeen ...	30·07	33	NNW	2	b	30·14	+·23	25	23	- 6	W	1	bcm	1	b	9·0	40	22	-
	Leith	30·05	37	2	0	m	30·13	+·19	25	25	- 7	N	1	f	*	m	*	45	22	-
	Shields	30·04	36	NNW	3	b	30·17	+·29	30	29	- 4	W	3	cm	3	c.b	*	42	28	-
	Spurn Head ...	29·93	40	NE	4	c	30·19	+·44	40	36	0	NNE	4	bcv	4	cp	*	42	36	0·07
	York	29·93	37	N	1	bcsp	30·17	+·32	32	31	- 1	NW	1	bc	*	bc ps	4·9	43	28	0·01
	Loughborough ...	29·98	39	NNW	3	c	30·16	+·35	28	28	- 4	NW	1	bcm	*	bc. c.bc	*	42	27	-
	Ardrossan ...	30·07	41	2	0	b	30·13	+·19	33	32	+ 1	NNE	2	cf	1	b	*	44	30	-
	Malin Head ...	30·05	41	S	1	bc	30·02	+·06	39	37	- 1	S	3	0	1	b, bc	*	45	36	-
	Belmullet ...	30·13	44	SE	1	0									*		*			
	Donaghadee ...	30·09	39	NNW	3	b	30·16	+·20	30	29	- 9	WSW	2	b	1	b	*	48	26	-
	Liverpool (Bidston)	30·07	37	N	2	b	30·20	+·30	35	32	+ 1	2	0	b	1	b	*	40	32	-
	Holyhead ...	30·05	41	NNE	2	b	30·18	+·26	34	32	- 5	SE	1	b	0	b	*	41	32	-
	Parsonstown ...	30·09	41	2	0	bc	30·15	+·15	30	29	?0	2	0	c	*	bc	7·4	44	29	-
	Valencia ...	30·12	44	2	0	b	30·11	+·09	45	42	+ 10	SSE	4	0	4	b	9·3	47	33	0·01
	Roche's Point ...	30·11	38	NNE	2	b	30·18	+·19	35	34	- 1	N	1	bcm	2	b	*	45	29	-
	Pembroke (St. Ann's Hd.)	30·04	39	NE	3	b	30·19	+·30	37	35	- 1	E	2	b	2	b	8·7	43	34	-
	Scilly	30·03	45	WSW	4	bc	30·17	+·34	42	38	- 2	ENE	2	c	2	bc	8·8	46	36	-
	Prawle Point ...	30·00	35	NNE	3	c	30·20	+·40	34	32	+ 2	N	3	b	2	c	*	41	31	-
	Jersey (St. Aubin's)	29·90	43	NNW	4	bc	30·13	+·45	42	39	0	N	4	bcm	3	p.c. phs	*	45	40	0·04
	Hurst Castle ...	29·91	38	N	2	bcm	30·13	+·39	32	31	- 4	N	3	bm	2	bcm	*	45	30	-
	Dungeness ...	29·80	41	NNE	3	c	30·02	+·35	36	35	+ 1	N	4	c	3	c	*	45	34	0·01
	North Foreland	29·85	40	N	4	0	30·02	+·34	39	38	- 1	NW	6	0	4	c. 0	*	43	37	0·06
	London (Brixton) ...	29·89	39	NNE	3	oa	30·10	+·36	33	32	- 3	NW	2	bm	*	bc. oa,b	2·2	44	32	0·02
	Oxford	30·00	37	N	3	0	30·16	+·36	31	30	- 1	NNE	1	bf	*	bc. or. e	*	45	30	-
	Cambridge ...	29·93	36	N	4	0	30·12	+·35	31	31	- 2	N	2	bc	*	bc. qp	5·7	45	28	0·06
	Yarmouth ...	29·82	40	NE	5	pqrs	30·02	+·35	39	36	0	NNE	5	cq	5	bc. q, rsp	*	43	36	-
Germany & Holland.	Cuxhaven ...	29·65	38	NE	4	0	29·81	+·24	36	36	+ 1	NE	5	r	*	0. r	*	37	34	0·04
	Berlin	29·64	42	SE	2	0	29·73	+·16	41	41	+ 8	SE	1	r	*	0	*	43	33	0·04
	Wiesbaden ...	*	*	*	*	*	29·77	+·27	37	35	+ 2	W	2	0	*	*	*	41	35	0·20
	Munich	29·64	33	SW	2	S	29·80	+·28	33	33	- 1	SSW	3	c	*	S	*	37	32	0·79
	The Helder ...	29·76	39	NNE	5	0	29·90	+·27	39	37	+ 3	NNE	5	0	4	0	*	41	36	0·04
Belgium.	Brussels ...	*	*	*	*	*	29·87	+·22	35	35	+ 4	NNW	3	r	*	S	*	42	30	0·51
	Cape Gris Nez ...	?29·76	43	ENE	5	0	?29·92	+·31	41	37	+ 4	NE	6	0	5	0	*	45	34	0·04
	Paris	29·77	37	N	2	bc	29·91	+·32	38	35	+ 7	NW	4	0	*	bc	*	42	31	-
	Brest	29·97	42	NNE	3	bc	30·16	+·45	38	35	- 2	N	2	b	2	bc	*	46	34	-
	Lorient	29·89	44	N	6	0	30·14	+·52	39	39	- 4	NNE	4	c	3	0	*	53	37	-
France &	Rochefort ...	29·82	43	N	6	0	30·10	+·55	39	37	- 1	N	4	bc	*	0	*	45	37	0·04
	Belfort	29·64	38	WSW	2	c	29·83	+·25	31	30	- 2	W	3	m	*	c	*	46	29	0·04
	Lyons	29·67	42	NE	1	b	29·89	+·26	36	35	+ 4	N	2	0	*	b	*	49	32	-
	Nice	29·59	48	2	0	b	29·73	+·22	38	31	- 2	E	2	r	3	b	*	52	34	-
	Perpignan ...	29·69	46	NW	2	0	29·91	+·28	37	36	+ 1	NW	2	r	*	0	*	55	36	-
	Biarritz ...	29·78	43	NNW	4	r	30·01	+·48	40	37	- 10	ESE	2	r	3	klhr	*	50	36	1·10
Peninsula.	Corunna ...														*		*			
	Lisbon	30·18	48	N	4	b	30·23	+·29	45	41	- 1	NNE	4	b	*	b	*	52	43	0·04
	Azores (P. Delgada)	29·63	60	SE	6	r	29·86	+·13	62	61	+ 3	S	6	r	8	r	*	63	57	0·47

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 9·3 hrs;

WEATHER CHARTS

FOR Thursday, 24th February, 1898

BAROMETER, WIND AND SEA.

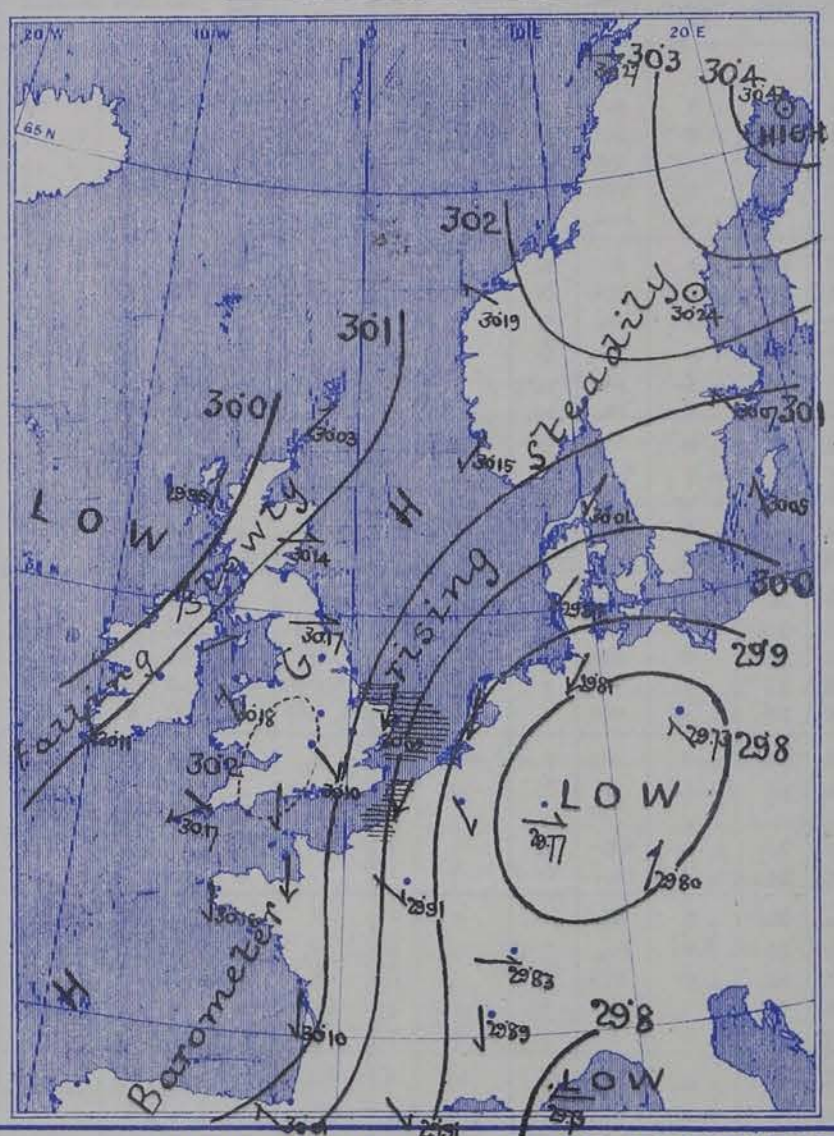
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▩

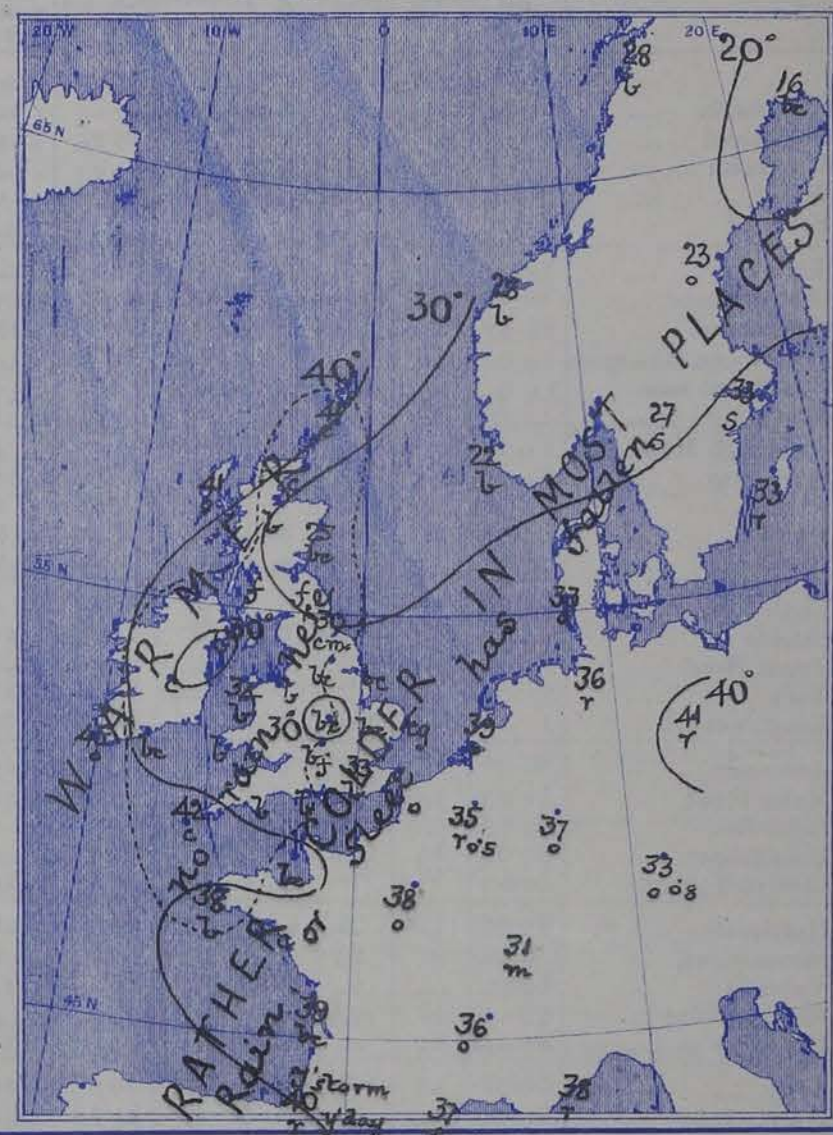


TEMPERATURE & WEATHER.

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 FEBRUARY.

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 · 772	38 · 6	37 · 2	42 · 2	34 · 4	51	1887, 91	17	1895	3 · 11	—	—
Stornoway	29 · 775	38 · 9	38 · 0	43 · 6	34 · 2	55	1891	12	1892	3 · 80	63 · 6	25
Wick	29 · 800	37 · 7	36 · 4	42 · 9	32 · 9	59	1878	2	1895	2 · 16	—	—
Nairn	29 · 815	36 · 7	35 · 1	43 · 4	32 · 5	64	1891	0	1895	1 · 65	—	—
Aberdeen	29 · 853	36 · 9	35 · 2	43 · 1	33 · 3	59	1878, 83	6	1895	2 · 26	73 · 4	28
Leith	29 · 873	38 · 1	36 · 7	45 · 5	33 · 9	59	1882	12	1895	1 · 51	—	—
Shields	29 · 908	38 · 3	36 · 9	43 · 9	34 · 4	59	1887	7	1895	1 · 50	—	—
Spurn Head	29 · 938	38 · 1	37 · 2	42 · 2	35 · 4	57*	1891	20*	1895	1 · 32	—	—
York	29 · 945	37 · 0	36 · 0	44 · 4	33 · 2	59	1872, 78	3	1895	1 · 68	60 · 0	22
Loughborough	29 · 972	36 · 7	35 · 5	45 · 2	33 · 0	64*	1891	−5*	1895	1 · 71	—	—
Ardrossan	29 · 880	39 · 2	38 · 0	44 · 4	35 · 9	56	1891	13	1895	2 · 93	—	—
Malin Head	29 · 844	41 · 0	39 · 5	45 · 5	38 · 3	—	—	—	—	—	—	—
Belmullet	29 · 870	42 · 3	40 · 7	47 · 2	38 · 8	—	—	—	—	4 · 20	—	—
Donaghadee	29 · 894	40 · 0	39 · 1	45 · 5	36 · 6	56	1894	16	1895	2 · 34	—	—
Holyhead	29 · 923	41 · 1	39 · 8	45 · 4	38 · 3	59	1891	17	1895	2 · 42	—	—
Liverpool	29 · 943	38 · 5	37 · 0	44 · 3	35 · 7	62	1878	12	1895	1 · 68	—	—
Parsonstown	29 · 915	39 · 1	37 · 8	46 · 8	35 · 1	59	1891	6	1895	2 · 16	68 · 0	25
Valencia	29 · 917	44 · 3	42 · 6	49 · 5	40 · 3	58	1891	22	1895	4 · 89	72 · 9	27
Roche's Point	29 · 927	43 · 0	41 · 4	48 · 2	39 · 4	56	1877, 89	25	1895	4 · 19	—	—
Pembroke	29 · 948	41 · 8	40 · 5	45 · 3	39 · 0	52	1877, 91	23	1895	2 · 62	79 · 9	29
Scilly	29 · 964	45 · 7	44 · 1	48 · 6	42 · 4	56	1877	27	1895	2 · 62	—	—
Prawle Point	29 · 996	41 · 2	40 · 2	46 · 6	37 · 8	57*	1891	21*	1888, 92, 95	1 · 94	—	—
Jersey	30 · 016	42 · 0	40 · 6	46 · 8	38 · 8	62	1891	18	1895	2 · 41	95 · 0	34
Hurst Castle	29 · 996	39 · 8	38 · 8	45 · 4	36 · 3	60	1877	17	1895	2 · 10	—	—
Dover	29 · 990	38 · 8	37 · 7	44 · 2	35 · 5	56	1882	11	1889	1 · 81	—	—
LONDON	29 996	38 · 1	36 · 8	45 · 5	34 · 5	62	1876, 91	10	1895	1 · 64	33 · 0†	12†
Oxford	29 · 994	37 · 3	36 · 1	44 · 9	34 · 2	64	1891	7	1895	1 · 76	66 · 3	24
Cambridge	29 · 987	36 · 7	35 · 7	45 · 5	32 · 1	67	1891	6	1895	1 · 42	70 · 5	26
Yarmouth	29 . 967	37 · 8	36 · 9	42 · 3	34 · 0	58	1872	15	1895	1 · 73	—	—

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

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·4 ins: and more to 30·1 ins: over the northern parts of Finland, Sweden, and Norway, and exceeding 30·1 ins: in a well-defined zone stretching thence in a south-westerly direction across the North Sea and our Islands to the Atlantic and the Bay of Biscay.
Lowest 29·8 ins: and less, in a shallow depression over Western Germany, and in another near Nice.
Gradients moderate for N^ly winds over our eastern and southern counties, and for S^ly winds on our extreme north-western and western coasts.
Barometer has begun to fall in the west of Ireland, but is still rising over Great Britain, the North Sea, and the Continent.

TEMPERATURE

Highest, 45° at Valencia, 42° at Scilly, 41° at Stornoway and Lerwick Head, and also at Belfast
Lowest, (1) 16° at Haparanda, 22° at Skudesnaes, 27° at Karlstad; 31° at Belfast, 33° at Munich; (2) 25° at Leith and Aberdeen, 28° at Nairn and Loughborough, 30° at Thurso.
Minima were recorded as low as 22° at Nairn, Aberdeen, and Leith this morning, 27° at Loughborough, 28° at York and Cambridge; on the grass the minima were from 7° to 15° lower.

WIND

N^ly over our eastern and southern counties, and blowing rather strongly on our east coast, but dying down in the south.
Calm over Wales, the north of England, and the east of Scotland.
S^ly over the Hebrides and the northern and western parts of Ireland.

WEATHER

Rainy in the south and south-west of France, fair or fine elsewhere, with fog and haze in some parts of Great Britain.
Some rain and sleet have fallen at a few of our own stations, thunder, lightning and heavy rain (1·10 ins:) at Biarritz, and much snow (0·79 in:) when melted at Munich. Bright Sunshine recorded yesterday was 9·3 hrs: at Southport, 9·0 hrs: at Aberdeen, nearly 9 hrs at Scilly, Pembroke and Llandudno, 5·7 hrs: at Cambridge, less than 5 hrs: on the Sussex coast, 2·2 hrs in London.

SEA

Rough on our east and south-east coasts, but slight or smooth in most other places.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The northerly wind at our eastern stations is dying down slowly, while the southerly breeze in the far west seems likely to freshen and to spread slowly to England.

FORECASTS

For the 24 hours ending at NOON on 25TH FEB: 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S^ly winds, freshening, with rain.
1	SCOTLAND EAST	W^ly and SW^ly winds, milder, fair as a whole.
2	ENGLAND N.E.	
3	ENGLAND EAST	N^ly breezes, dying down, then Calm, fair, foggy or hazy at times. Cold again tonight.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as No. 0.
7	ENGLAND N.W.	Calms and S^ly breezes; fair, hazy, milder.
8	ENGLAND S.W.	
9	IRELAND NORTH	S^ly breezes, freshening; milder, some rain.
10	IRELAND SOUTH	
	WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference 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 ...	29.91	34	32	ESE	2	c	2	Valencia	30.09	47	41	W	0	b	3
Sumburgh Head	29.92	43	40	W	0	bc	3	Scilly	29.95	45	40	NNE	4	bc	3
Stornoway	29.97	42	39	W	3	0	3	Jersey	29.81	44	41	NNE	5	c	4
Aberdeen	30.02	40	35	NW	2	b	2	Hurst Castle ...	29.84	43	41	NNE	3	bcm	3
Shields	29.97	41	38	NNW	3	c	4	Dungeness ...	29.74	44	40	NNE	4	c	3
Ardrossan	30.02	43	41	W	2	b	1	North Foreland	29.77	43	41	NW	4	c	4
Malin Head ...	30.01	45	40	NNE	1	b	1	London (Westminster)	29.81	44	37	NNE	5	c	*
Belmullet	30.07	45	43	W	2	bc	*	Yarmouth ...	29.71	43	41	NNE	4	bcv	4
Holyhead	30.02	41	38	N	2	b	2	Rochefort ...	29.66	43	40	N	5	o	*

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

Weather in morning fine and dry over Russia on the one hand and over the greater part of our Islands and the southwest of Spain on the other, dull and unsettled elsewhere, with much rain in the southeast and south of France and the north of Italy, smaller quantities over the extreme southeast of England, snow in many parts of Finland and Scandinavia. Snow falling later in considerable quantities over Sweden Denmark, and Central Europe (0·8 in: when melted at Munich). Thunderstorms and heavy rains in the extreme southwest of France, and slight cold showers in the northeast and southeast of England. Very much bright sunshine over the northern and western parts of the British Islands.

Temperature still low for the time of year over the British Islands. Morning readings highest 59° at La Calle, and above 50° on the southern shores of the Mediterranean, 49° at Lerhom, 46° at Lisbon, 44° at Scilly, 42° at Jersey. Lowest (1) −7° F. at Archangel and Moscow, +7° at Kharkov, 10° at St. Petersburg, and much below the freezing point all over Russia, Finland, and the north of Sweden; (2) 30° at Parsonstown, 31° at Sumburgh Head and Nairn, 32° over Central England. Falling during succeeding night to 22° over the northeast of Scotland but not so low over Ireland and England on the previous night or two.

Wind (1) light to fresh in force and anticyclonic (NW to NE) in direction over the British Islands; cyclonic over the Continent — generally from NE. in the northeast of France, W. and SW. in the southwest; SE. over Central and northern Europe, and blowing a gale in some parts of Finland. A separate cyclonic circulation going on over the south of France, Corsica, and the north of Italy. The N. current dying down at our western stations, and S. breezes beginning to appear at Malin Head.

Barometer highest (1) 30·78 in: at Archangel, 30·70 in: at Moscow, and exceeding 30·0 in: all over Russia; (2) 30·0 in: and more over the west of Ireland, 29·9 in: and more over Portugal and the southwest of Spain. Lowest about 29·5 in: in three small depressions — one over Western Germany, the second near Breslau and the third off the coast of the Riviera. Rising over northwestern Europe all day, especially over the British Islands and north of 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 Friday, 25th February, 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 ...	30·57	6	SW	0	b	30·58	+·11	-1	-2	-17	NNW	2	bc	*	b	*	19	-1	
	Hernösand ...	30·43	23	NE	4	0	30·56	+·32	16	16	-7	SW	0	bc	*	0	*	28	?	?
	Stockholm ...	30·31	33	SW	0	0	30·43	+·36	32	32	-1	SW	0	f	*	0	*	34	30	0·20
	Wisby	30·26	32	S	4	0	30·39	+·34	34	33	+1	SSE	4	c	*	0	*	34	30	0·08
	Karlstad ...	30·63	32	N	2	0	30·38	+·30	30	27	+3	NNE	2	0	*	0	*	*	*	-
	Bodö	30·40	28	E	4	b	30·42	+·15	25	24	0	E	4	b	0	b	*	34	25	-
	Christiansund ...	30·24	31	ESE	3	b	30·23	+·04	30	28	+2	ESE	3	b	3	b	*	34	27	-
	Skudesnaes ...	30·23	29	NE	2	b	30·23	+·08	28	28	+6	E	2	b	1	b	*	33	19	*
	Færder (Christiania Fjord)	30·22	32	N	5	0	30·32	+·19	32	31	+4	NE	5	0	2	0	*	32	28	-
	Skagen (The Scaw)	30·16	35	NE	4	0	30·24	+·23	35	35	+2	NE	4	S	1	0	*	36	32	0·08
	Fanö	29·99	35	NE	4	0	30·09	+·15	36	35	+3	E	4	c	*	0	*	36	33	0·04
British Isles.	Sumburgh Head	30·03	40	S	4	c	29·90	-·13	41	38	0	SSE	5	c	5	bc.c	*	45	35	-
	Stornoway ...	29·87	43	SSW	5	0	29·61	-·34	45	44	+4	SSW	6	0	6	c.o	0·8	45	40	-
	Wick	29·98	38	S	4	b	29·81	-·21	41	39	+3	S	6	ou	6	b	*	42	37	-
	Nairn	30·02	38	SSW	2	bc	29·82	-·27	42	39	+14	SSW	2	c	1	bc	*	44	28	-
	Aberdeen ...	30·11	38	S	3	bc	29·97	-·17	40	36	+15	SSE	5	ogq	5	b.bc	4·7	42	24	-
	Leith	30·11	37	SW	0	m	29·96	-·17	40	37	+15	S	3	0	*	m	*	46	24	-
	Shields	30·17	39	SW	0	0	30·08	-·09	34	33	+4	SW	3	m	2	c.o	*	43	28	-
	Spurn Head ...	30·15	40	N	3	c	30·08	-·11	37	36	-3	NNW	2	bm	4	cv.w	*	43	35	-
	York	30·18	40	N	1	b	30·09	-·08	27	27	-5	SW	0	b	*	b.f	3·7	44	24	-
	Loughborough ...	30·18	37	NNW	1	0	30·13	-·03	29	29	+1	SE	1	cm	*	bc.c.om	*	44	26	-
	Ardrossan ...	30·09	42	SSW	4	b	29·86	-·27	44	44	+11	SSE	5	om	3	b	*	44	32	-
	Malin Head ...	29·92	41	S	6	c	29·61	-·41	45	44	+6	S	7	c	5	c	*	45	37	-
	Belmullet ...	29·90	47	SW	6	0	29·55	-·47	49	48	+5	S	9	r	*	0	*	49	43	0·12
	Donaghadee ...	30·11	38	SW	3	c	29·88	-·28	46	45	+16	SW	6	c	4	c.	*	46	29	0·01
	Liverpool (Bidston)	30·20	39	SW	0	b	30·05	-·15	35	32	0	SSE	2	b	1	b	*	42	32	-
	Holyhead ...	30·16	42	SSW	2	c	29·98	-·20	44	43	+10	S	3	cp	2	cm.c	*	45	32	0·01
	Parsonstown ...	30·07	43	SE	1	c	29·78	-·37	45	44	+15	SE	1	or	*	c.o	2·2	48	29	0·01
	Valencia ...	30·03	49	SSW	3	op	29·68	-·43	49	48	+4	S	6	rqm	6	op	0·4	51	43	0·27
	Roche's Point ..	30·10	48	S	5	0	29·87	-·31	50	47	+15	SSW	6	g	4	c	*	50	35	-
	Pembroke (St. Ann's Hd.)	30·17	45	WSW	3	c	30·01	-·18	47	43	+10	SW	5	c	4	b.c	8·0	47	37	-
	Scilly	30·18	45	SSW	1	0	30·05	-·12	48	45	+6	SSW	4	0	3	c o	3·6	50	38	-
	Prawle Point ...	30·23	35	N	2	b	30·14	-·06	44	42	+10	SSW	4	c	3	bc	*	45	33	-
	Jersey (St. Aubin's)	30·19	43	NNW	3	bcm	30·21	+·08	38	36	-4	W	2	cgm	2	bc.h.bc	*	45	35	0·01
	Hurst Castle ...	30·19	38	NW	1	cm	30·17	+·04	38	32	+1	NNW	1	cm	1	cm.b	*	45	30	-
	Dungeness ...	30·10	40	N	3	c	30·13	+·11	34	33	-2	NW	2	c	1	o.c	*	43	32	-
	North Foreland	30·12	40	N	6	c	30·13	+·11	38	37	-1	W	4	o	8	c	*	41	36	-
	London (Brixton) ...	30·16	40	N	3	bm	30·14	+·04	30	29	-3	WSW	1	bc	*	cg.b	1·3	42	27	-
	Oxford	30·21	38	NW	1	o	30·15	-·01	30	29	-1	SW	1	bcf	*	bc	*	46	29	-
	Cambridge ...	30·19	34	N	2	b	30·14	+·02	26	26	-5	NW	1	b	*	b	7·8	45	25	-
	Yarmouth ...	30·07	39	N	4	cq	30·06	+·04	36	34	-3	NW	5	b	5	c	*	42	33	-
Germany & Holland.	Cuxhaven ...	29·81	36	NNE	5	r	30·01	+·20	37	36	+1	SE	4	o	*	r	*	39	34	0·51
	Berlin	29·97	38	SSW	3	0	30·23	+·50	33	32	-8	SE	2	b	*	0	*	43	32	0·08
	Wiesbaden ...	*	*	*	*	*	30·11	+·34	37	36	0	SW	2	0	*	*	*	41	26	-
	Munich... ..	30·02	31	SW	4	b	30·13	+·33	24	24	-9	E	3	f	*	b	*	41	23	-
	The Helder ...	29·97	37	NNE	4	r	29·93	+·03	37	36	-2	NE	1	o	2	r	*	39	37	0·24
Belgium.	Brussels ...	*	*	*	*	*	30·14	+·27	33	32	-2	W	3	s	*	r	*	37	32	0·39
	Cape Gris Nez...	?30·05	41	NNE	4	o	?30·08	+·16	39	36	-2	N	4	m	4	o	*	45	36	-
	Paris	30·07	39	N	4	o	30·19	+·28	36	35	-2	W	2	o	*	o	*	40	36	0·08
	Brest	30·25	42	NNE	1	b	30·18	+·02	45	41	+7	SSE	3	o	3	b	*	46	36	-
	Lorient... ...	30·23	45	N	4	bc	30·24	+·10	38	37	-1	E	3	bc	2	bc	*	50	36	-
France &	Rochefort ...	30·19	45	N	4	c	30·28	+·18	35	34	-4	ENE	2	bc	*	c	*	48	32	-
	Belfort	29·98	33	W	1	m	30·16	+·33	32	31	+1	W	1	m	*	m	*	39	31	-
	Lyons	30·04	?	NW	?	?	30·19	+·30	?35	34	-1	N	1	o	*	?	*	42	34	-
	Nice	29·92	42	E	1	bc	29·95	+·22	40	33	+2	E	2	b	1	bc	*	50	36	-
	Perpignan ...	30·10	43	NW	4	o	30·15	+·24	40	35	+3	NW	4	c	*	o	*	46	37	0·04
	Biarritz ...	30·15	44	SW	3	r	30·19	+·18	39	36	-1	SE	3	b	2	r	*	45	37	?
Peninsula.	Corunna ...																*			
	Lisbon	30·24	49	NW	3	b	30·25	+·02	42	37	-3	NE	4	b	*	b	*	55	41	-
	Azores (P. Delgada)	29·41	61	S	7	0	29·56	·00	58	56	-4	SE	5	r	6	o	*	64	55	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...5·7..hrs:

WEATHER CHARTS

FOR *Friday, 25th February, 1898*

BAROMETER, WIND AND SEA.

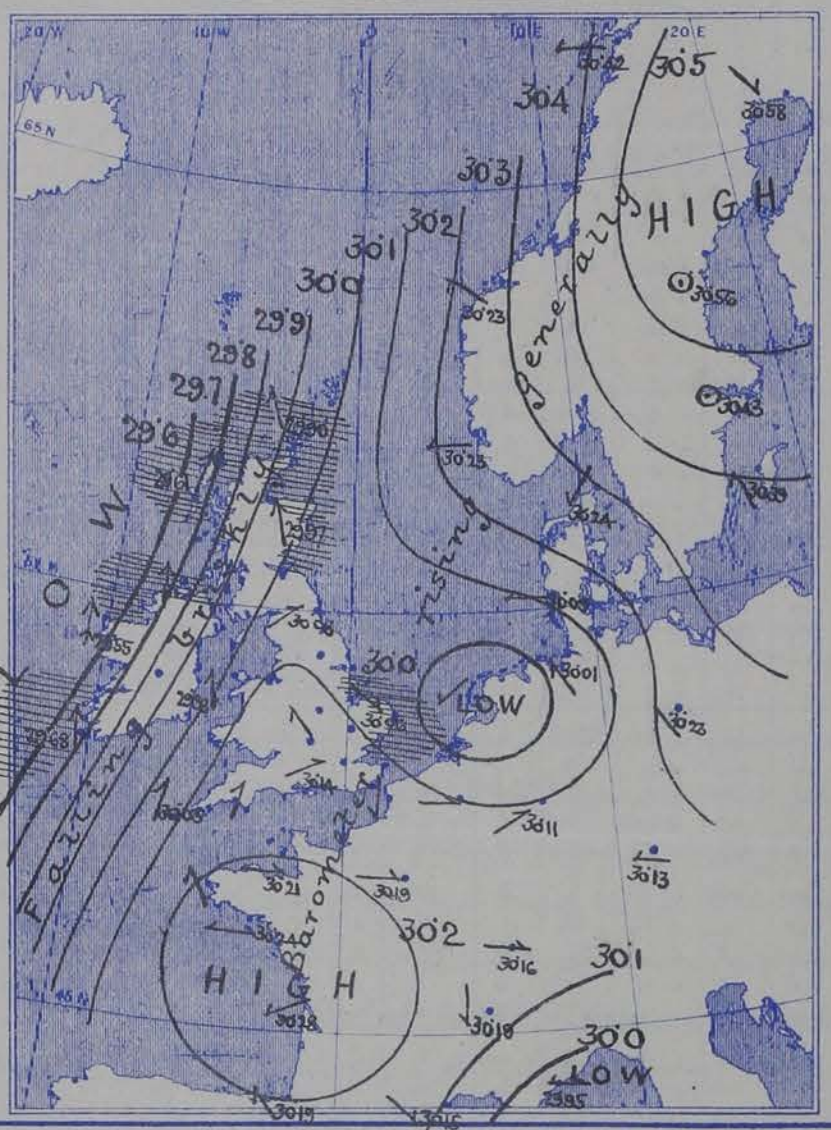
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▤

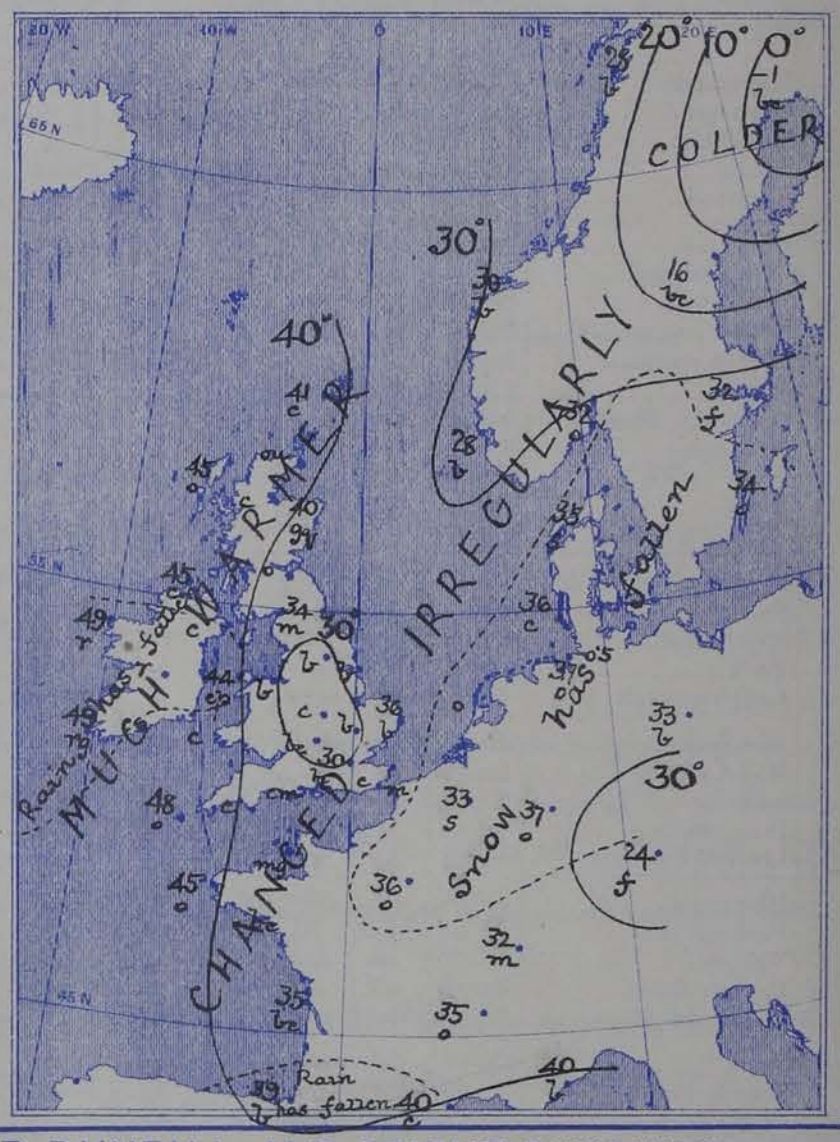


TEMPERATURE & WEATHER.

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 FEBRUARY.*

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 · 772	38 · 6	37 · 2	42 · 2	34 · 4	51	1887, 91	17	1895	3 · 11	—	—
Stornoway	29 · 775	38 · 9	38 · 0	43 · 6	34 · 2	55	1891	12	1892	3 · 80	63 · 6	25
Wick	29 · 800	*37 · 7	36 · 4	42 · 9	32 · 9	59	1878	2	1895	2 · 16	—	—
Nairn	29 · 815	36 · 7	35 · 1	43 · 4	32 · 5	64	1891	0	1895	1 · 65	—	—
Aberdeen	29 · 853	36 · 9	35 · 2	43 · 1	33 · 3	59	1878, 83	6	1895	2 · 26	73 · 4	28
Leith	29 · 873	38 · 1	36 · 7	45 · 5	33 · 9	59	1882	12	1895	1 · 51	—	—
Shields	29 · 908	38 · 3	36 · 9	43 · 9	34 · 4	59	1887	7	1895	1 · 50	—	—
Spurn Head	29 · 938	38 · 1	37 · 2	42 · 2	35 · 4	57*	1891	20*	1895	1 · 32	—	—
York	29 · 945	37 · 0	36 · 0	44 · 4	33 · 2	59	1872, 78	3	1895	1 · 68	60 · 0	22
Loughborough	29 · 972	36 · 7	35 · 5	45 · 2	33 · 0	64*	1891	—5*	1895	1 · 71	—	—
Ardrossan	29 · 880	39 · 2	38 · 0	44 · 4	35 · 9	56	1891	13	1895	2 · 93	—	—
Malin Head	29 · 844	41 · 0	39 · 5	45 · 5	38 · 3	—	—	—	—	—	—	—
Belmullet	29 · 870	42 · 3	40 · 7	47 · 2	38 · 8	—	—	—	—	4 · 20	—	—
Donaghadee	29 · 894	40 · 0	39 · 1	45 · 5	36 · 6	56	1894	16	1895	2 · 34	—	—
Holyhead	29 · 923	41 · 1	39 · 8	45 · 4	38 · 3	59	1891	17	1895	2 · 42	—	—
Liverpool	29 · 943	38 · 5	37 · 0	44 · 3	35 · 7	62	1878	12	1895	1 · 68	—	—
Parsonstown	29 · 915	39 · 1	37 · 8	46 · 8	35 · 1	59	1891	6	1895	2 · 16	68 · 0	25
Valencia	29 · 917	44 · 3	42 · 6	49 · 5	40 · 3	58	1891	22	1895	4 · 89	72 · 9	27
Roche's Point	29 · 927	43 · 0	41 · 4	48 · 2	39 · 4	56	1877, 89	25	1895	4 · 19	—	—
Pembroke	29 · 948	41 · 8	40 · 5	45 · 3	39 · 0	52	1877, 91	23	1895	2 · 62	79 · 9	29
Scilly	29 · 964	45 · 7	44 · 1	48 · 6	42 · 4	56	1877	27	1895	2 · 62	—	—
Prawle Point	29 · 996	41 · 2	40 · 2	46 · 6	37 · 8	57*	1891	21*	1888, 92, 95	1 · 94	—	—
Jersey	30 · 016	42 · 0	40 · 6	46 · 8	38 · 8	62	1891	18	1895	2 · 41	95 · 0	34
Hurst Castle	29 · 996	39 · 8	38 · 8	45 · 4	36 · 3	60	1877	17	1895	2 · 10	—	—
Dover	29 · 990	38 · 8	37 · 7	44 · 2	35 · 5	56	1882	11	1889	1 · 81	—	—
LONDON	29 · 996	38 · 1	36 · 8	45 · 5	34 · 5	62	1876, 91	10	1895	1 · 64	33 · 0†	12†
Oxford	29 · 994	37 · 3	36 · 1	44 · 9	34 · 2	64	1891	7	1895	1 · 76	66 · 3	24
Cambridge	29 · 987	36 · 7	35 · 7	45 · 5	32 · 1	67	1891	6	1895	1 · 42	70 · 5	26
Yarmouth	29 . 967	37 · 8	36 · 9	42 · 3	34 · 0	58	1872	15	1895	1 · 73	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·5 ins: and more to 30·2 ins: over Finland, Scandinavia, the Baltic and North Germany; above 30·2 ins: over the western half of France.
Lowest, Below 29·6 ins: off the extreme west of Ireland.
Gradients steep over all our northern and western districts, and favourable for S^ly^ gales.
Barometer Falling fast in the west and northwest, and the change is spreading eastwards over England.

TEMPERATURE

Highest, 50° to 49° on the west and south coasts of Ireland, 48° at Scilly, 45° at Stornoway.
Lowest, −1° F. at Haparanda, +16° at Hernösand, 24° at Munich; 26° at Cambridge, 27° at York, 30° at Oxford and in London.
It has risen very quickly at our western and northern stations, fallen over the eastern and central parts of England, but the rise is spreading eastwards.

WIND

Light and variable over the Continent and the greater part of England. S^ly^ on all our western and northern coasts — increasing greatly in force, and blowing a strong gale at Belmullet.
The N^ly^ breeze has not yet died down completely on our extreme southeast coasts nor at Cape Gris Nez.

WEATHER

Fair as a whole over the Continent and England, but a little snow is falling at Brussels. Rainy dull and unsettled at our western stations and in the north and east of Ireland
The S^ly^ wind in the west is increasing steadily in force, and is spreading gradually to the eastward.
Bright Sunshine recorded yesterday was again more than 8 hrs at some of our western stations, and exceeded 6 hrs at Hastings. In London it amounted to only 1·3 hrs.

SEA

Rough and rising in the extreme west and north, rather rough off Yarmouth.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is evidently a large depression over the Atlantic, which is spreading steadily over our Islands, while it is moving northeastwards. S^ly^ and SW^ly^ winds, mild weather, and rain are likely to become very general — gales in the west and north, and possibly over England later. Our western and northern coasts have all been warned.

FORECASTS

For the 24 hours ending at NOON on 26^th^ FEB: 1898

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
▼ 0 SCOTLAND NORTH	S^ly^ gales and strong winds; weather mild, with rain.	▼ 6 SCOTLAND WEST	S^ly^ and SW^ly^ gales and strong winds; very mild, squally, rainy.
▼ 1 SCOTLAND EAST		▼ 7 ENGLAND N.W.	
2 ENGLAND N.E.	S^ly^ winds; much milder, fair today, some rain tomorrow.	▼ 8 ENGLAND S.W.	
3 ENGLAND EAST		▼ 9 IRELAND NORTH	
4 MIDLAND COUNTIES		▼ 10 IRELAND SOUTH	
5 ENGLAND SOUTH	Wind shifting to the S^mly^, warmer, fine today, rain tonight or tomorrow.	WARNINGS	At 7·0 p.m. yesterday to districts 0, 6, 9, and 10·10 am today to districts 1, 7, and 8 "Hoist South Cone".

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·19	38	30	NW	0	b	1
Sumburgh Head	30·05	44	40	SSW	3	bc	3
Stornoway	29·92	44	41	SSW	5	c	5
Aberdeen	30·13	42	36	SW	2	b	1
Shields	30·17	42	39	NW	1	c	3
Ardrossan	30·11	43	42	SSW	4	b	3
Malin Head ...	29·98	44	40	SSW	5	c	2
Belmullet	29·97	47	45	SSW	3	0	*
Holyhead	30·19	44	41	S	2	cm	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·07	49	46	S	3	op	4
Scilly	30·20	49	44	SW	1	c	1
Jersey	30·18	45	39	NNW	4	bc	3
Hurst Castle ...	30·15	45	40	NNW	2	cm	2
Dungeness ...	30·07	42	37	N	5	0	4
North Foreland	30·09	41	39	N	6	c	5
London (Westminster)	30·12	42	36	N	4	0	*
Yarmouth ...	30·06	42	38	NNE	4	c	5
Rochefort ...	30·15	46	42	NNE	4	0	*

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

Weather in morning fine (1) over Spain, the northwest of France, nearly the whole of our Islands, and the west of Norway; (2) over the northern and central part of Russia: unsettled over the Baltic and Central Europe, with rain in many places, raining at Nice also. Further falls of cold rain and sleet over Central Europe, the Netherlands, Denmark and Sweden later, and slight fall of warm rain setting in over the west of Ireland.

Temperature continuing low over the greater part of our Islands, but rising decidedly at Valencia and Belmullet. Morning readings highest 60° at Malta, 56° at Brindisi, 52° at Tunis, 45° at Valencia, Scilly, and Jersey, 41° at Stornoway and Sumburgh Head. Lowest (1) −8° F. at Moscow, +6° at Archangel, 11° at St Petersburg; hard frost all over Russia and northern Europe; (2) 25° at Aberdeen and Leith, 28° at Loughborough, 30° at Parsonstown. Rising quickly later over Ireland, but falling much below the freezing point over the eastern half of England as night came on.

Wind (1) Cyclonic from the SE^{ly} over the Baltic, NE^{ly} over Denmark and Holland, from N. over France and the east and south of England. Almost calm over the west and north of England and east of Scotland, but becoming S^{ly} over the Hebrides and extreme west of Ireland. The S^{ly} wind freshening later and spreading eastward to Wales and the west of Scotland.

Barometer highest 30·95 in: at Moscow, exceeding 30·1 in: all over Russia and Scandinavia, and ranging from 30·2 in: to 30·1 in: in a broad zone stretching southwestward from Norway across our Islands to the Bay of Biscay and Portugal. Lowest about 29·7 in: to 29·8 in: in a depression over Germany and Hungary; below 29·8 in: over the Riviera, and below 30·0 in: off the northwest of Scotland. Falling decidedly in Ireland and the northwest of Scotland later, rising over Germany, France, and 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.
„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 26th February, 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 ...	30·62	12	NW	0	0	30·52	-·04	10	10	+ 11	NW	0	S	*	0	*	14	-4	-
	Hernösand ...	30·65	20	NW	0	0	30·44	-·12	20	18	+ 14	NE	4	0	*	0	*	25	10	-
	Stockholm ...	30·48	33	E	2	S	30·31	-·12	32	31	0	SE	2	S	*	S	*	34	30	0·35
	Wisby	30·44	32	SSE	4	0	30·20	-·19	34	33	0	S	4	S	*	0	*	36	30	0·12
	Karlstad ...	30·40	30	ENE	2	0	30·15	-·23	28	28	- 2	NE	2	S	*	0	*	*	*	0·16
	Bodö	30·42	33	E	4	b	30·30	-·12	35	31	+ 7	E	4	b	1	b	*	35	25	-
	Christiansund ...	30·14	35	ESE	1	b	29·94	-·29	38	33	+ 8	SE	4	0	3	b	*	34	28	-
	Skudesnaes ...	30·14	39	ESE	6	0	29·76	-·47	39	36	+ 11	SE	8	0	4	m.o	*	40	28	*
	Færder (Christiania Fjord)	30·34	34	E	4	0	30·06	+·26	31	30	- 1	E	5	0	2	0	*	34	30	0·08
	Skagen (The Skaw)	30·24	36	ESE	2	b	30·02	-·22	37	36	+ 2	S	3	m	0	b	*	37	34	0·04
	Fanö	30·07	37	SE	5	r	30·00	-·09	36	35	0	SSW	4	0	*	r	*	39	36	0·04
British Isles	Sumburgh Head	29·78	42	SSE	6	0	29·32	-·58	39	38	- 2	SSE	8	r	8	0	*	43	38	0·14
	Stornoway ...	29·35	44	S	7	r	29·49	-·12	34	33	- 11	WNW	3	0	8	0,rh	0·0	46	32	0·85
	Wick	29·57	40	SSE	8	0	29·28	-·53	40	40	- 1	NW	7	ohpu	5	0,r	*	42	34	0·30
	Nairn	29·51	43	SSE	3	c	29·47	-·35	37	35	- 5	WSW	3	bc	2	c	*	45	32	0·28
	Aberdeen ...	29·68	41	SSE	7	ogq	29·45	-·52	38	34	- 2	SW	5	cq	4	oq.r	0·0	42	35	0·46
	Leith	29·65	43	SSE	3	0	29·62	-·34	38	35	- 2	WSW	4	c	*	0	*	45	34	0·06
	Shields	29·79	42	SSE	3	om	29·71	-·37	37	36	+ 3	WSW	3	c	2	om.r	*	44	32	0·06
	Spurn Head ...	29·89	42	SSE	4	c	29·82	-·26	38	36	+ 1	WSW	5	b	4	c.r	*	44	35	0·09
	York	29·87	43	SE	1	0	29·84	-·25	38	36	+ 11	WSW	3	b	*	c.o,r	0·1	45	27	0·05
	Loughborough ...	29·93	43	SSW	3	0	29·93	-·20	36	34	+ 7	SW	4	b	*	c.oqr.b	*	48	29	0·09
	Ardrossan ...	29·47	45	SSE	6	rm	29·65	-·21	42	40	- 2	W	6	bc	4	qr qr rs	*	45	35	0·32
	Malin Head ...	29·48	39	W	5	0	29·73	+·12	42	41	- 3	WNW	6	c	5	r. hsq	*	47	37	0·33
	Belmullet ...	29·64	40	WNW	6	crsqr	29·95	+·40	40	39	- 9	NNW	4	c	*	or.rsqr	*	49	35	0·50
	Donaghadee ...	29·47	47	SW	7	r	29·83	-·05	36	35	- 10	WNW	5	c	3	r	*	47	33	0·21
	Liverpool (Bidston)	29·76	42	SSE	4	0	29·91	-·14	39	36	+ 14	WSW	5	c	5	0.r	*	46	34	0·21
	Holyhead ...	29·62	46	S	8	qmr	29·92	-·06	40	38	- 4	W	7	bc	6	orqm	*	47	38	0·29
	Parsonstown ...	29·69	38	W	2	r	30·01	+·23	36	34	- 9	W	1	b	*	0.r	0·0	49	33	0·30
	Valencia ...	29·81	43	W	6	bcq	30·12	+·44	45	40	- 4	WNW	3	bcqr	4	rq.bc.hq	1·3	50	37	0·67
	Roche's Point ..	29·77	43	WNW	4	ocqr	30·09	+·22	40	38	- 10	NW	3	b	3	r.cqr	*	50	36	0·55
	Pembroke (St. Ann's Hd.)	29·73	48	SW	7	r	30·01	·00	45	40	- 2	NW	5	b	5	or	0·0	48	38	0·30
	Scilly	29·86	49	SSW	8	r	30·12	+·07	46	42	- 2	WNW	5	c	5	or	0·0	51	41	0·18
	Prawle Point ...	29·99	47	SSW	6	0	30·08	-·06	39	37	- 5	NW	3	b	3	0,qr	*	47	36	0·12
	Jersey (St. Aubin's)	30·13	47	SSW	4	oq	30·13	-·08	44	41	+ 6	WNW	3	bc	3	o. qr	*	48	35	0·04
	Hurst Castle ...	30·04	47	SSW	4	o	30·08	-·09	40	37	+ 7	W	4	b	3	c. o,r	*	47	32	0·10
	Dungeness ...	30·09	44	SW	4	c	30·04	-·09	40	39	+ 6	W	4	b	3	c,r	*	47	33	0·08
	North Foreland	30·10	42	SW	3	0	30·02	-·11	38	37	0	WSW	3	bm	2	b,o	*	46	37	0·10
	London (Brixton) ...	30·05	43	SSW	4	0	30·03	-·11	36	35	+ 6	SW	2	b	*	bc.o.qr	1·7	48	30	0·11
	Oxford	29·94	43	S	4	0	30·02	-·13	35	33	+ 5	WSW	3	b	*	o. r	*	46	30	0·05
	Cambridge ...	30·02	43	SW	3	0	29·99	-·15	37	35	+ 11	WSW	3	b	*	bc. or	5·1	48	25	0·07
	Yarmouth ...	30·00	42	SSW	3	bc	29·92	-·14	38	38	+ 2	WSW	4	b	3	bc.r	*	43	34	0·05
Germany & Holland	Cuxhaven ...	30·10	40	S	5	0	30·06	+·05	32	32	- 5	S	4	c	*	0	*	41	32	-
	Berlin	30·23	41	ESE	1	0	30·25	+·02	36	35	+ 3	SW	1	0	*	0	*	45	33	-
	Wiesbaden ...	*	*	*	*	*	30·24	+·13	30	29	- 7	SW	2	b	*	*	*	45	30	-
	Munich	30·25	31	SW	2	0	30·22	+·09	25	25	+ 1	SE	4	r	*	0	*	32	24	-
	The Helder ...	30·03	39	SW	2	0	29·94	+·01	38	37	+ 1	SW	5	r	2	0	*	41	34	0·04
Belgium.	Brussels ...	*	*	*	*	*	30·10	-·04	37	33	+ 4	SSW	5	0	*	b	*	38	32	0·08
	Cape Gris Nez ...	30·07	44	W	4	0	?	?	41	38	+ 2	WNW	4	0	4	0	*	45	36	0·12
	Paris	30·24	36	SE	1	b	30·17	-·02	33	31	- 3	S	2	m	*	b	*	43	31	-
	Brest	30·10	49	SW	4	0	30·13	-·05	45	40	0	NNW	3	c	3	0	*	48	39	0·20
	Lorient	30·19	45	S	4	0	30·14	-·10	44	44	+ 6	N	4	0	5	0	*	50	38	-
France &	Rochefort ...	30·27	45	E	2	bc	30·25	-·03	41	38	+ 6	SSW	4	bc	*	bc	*	54	32	-
	Belfort	30·23	35	W	2	bc	30·25	+·09	29	28	- 3	E	1	m	*	bc	*	39	26	-
	Lyons	30·25	37	N	2	0	30·28	+·09	32	30	- 3	N	1	b	*	0	*	39	32	-
	Nice	29·90	48	W	0	c	29·92	-·03	47	44	+ 7	ENE	5	c	4	c	*	55	40	-
	Perpignan ...	30·15	43	NW	4	b	30·12	-·03	43	35	+ 3	NW	4	bc	*	b.	*	48	40	-
	Biarritz ...	30·18	47	N	2	b	30·19	·00	39	35	0	SE	3	b	2	b	*	52	37	-
Peninsula	Corunna ...																*			
	Lisbon	30·24	50	NNW	4	b	30·25	·00	45	41	+ 3	NNE	3	b	*	b	*	57	42	-
	Azores (P. Delgada)	29·63	60	S	5	c	29·71	+·15	62	60	+ 4	SSE	5	0	5	c	*	63	57	0·24

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 0·7 hrs;

WEATHER CHARTS

FOR Saturday, 26th February, 1898

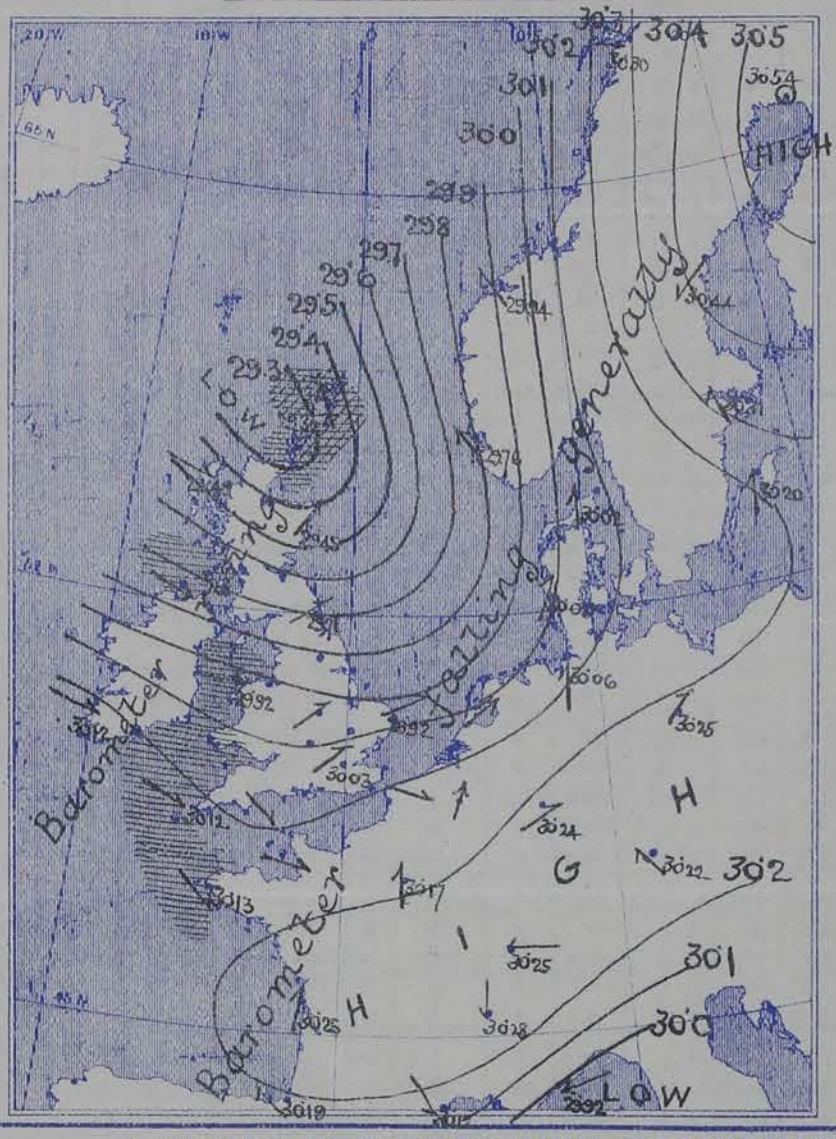
BAROMETER, WIND AND SEA.

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 ▩



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

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	29·772	38·6	37·2	42·2	34·4	51	1887, 91	17	1895	3·11	—	—
Stornoway	29·775	38·9	38·0	43·6	34·2	55	1891	12	1892	3·80	63·6	25
Wick	29·800	37·7	36·4	42·9	32·9	59	1878	2	1895	2·16	—	—
Nairn	29·815	36·7	35·1	43·4	32·5	64	1891	0	1895	1·65	—	—
Aberdeen	29·853	36·9	35·2	43·1	33·3	59	1878, 83	6	1895	2·26	73·4	28
Leith	29·873	38·1	36·7	45·5	33·9	59	1882	12	1895	1·51	—	—
Shields	29·908	38·3	36·9	43·9	34·4	59	1887	7	1895	1·50	—	—
Spurn Head	29·938	38·1	37·2	42·2	35·4	57*	1891	20*	1895	1·32	—	—
York	29·945	37·0	36·0	44·4	33·2	59	1872, 78	3	1895	1·68	60·0	22
Loughborough	29·972	36·7	35·5	45·2	33·0	64*	1891	−5*	1895	1·71	—	—
Ardrossan	29·880	39·2	38·0	44·4	35·9	56	1891	13	1895	2·93	—	—
Malin Head	29·844	41·0	39·5	45·5	38·3	—	—	—	—	—	—	—
Belmullet	29·870	42·3	40·7	47·2	38·8	—	—	—	—	4·20	—	—
Donaghadee	29·894	40·0	39·1	45·5	36·6	56	1894	16	1895	2·34	—	—
Holyhead	29·923	41·1	39·8	45·4	38·3	59	1891	17	1895	2·42	—	—
Liverpool	29·943	38·5	37·0	44·3	35·7	62	1878	12	1895	1·68	—	—
Parsonstown	29·915	39·1	37·8	46·8	35·1	59	1891	6	1895	2·16	68·0	25
Valencia	29·917	44·3	42·6	49·5	40·3	58	1891	22	1895	4·89	72·9	27
Roche's Point	29·927	43·0	41·4	48·2	39·4	56	1877, 89	25	1895	4·19	—	—
Pembroke	29·948	41·8	40·5	45·3	39·0	52	1877, 91	23	1895	2·62	79·9	29
Scilly	29·964	45·7	44·1	48·6	42·4	56	1877	27	1895	2·62	—	—
Prawle Point	29·996	41·2	40·2	46·6	37·8	57*	1891	21*	1888, 92, 95	1·94	—	—
Jersey	30·016	42·0	40·6	46·8	38·8	62	1891	18	1895	2·41	95·0	34
Hurst Castle	29·996	39·8	38·8	45·4	36·3	60	1877	17	1895	2·10	—	—
Dover	29·990	38·8	37·7	44·2	35·5	56	1882	11	1889	1·81	—	—
LONDON	29·996	38·1	36·8	45·5	34·5	62	1876, 91	10	1895	1·64	33·0†	12†
Oxford	29·994	37·3	36·1	44·9	34·2	64	1891	7	1895	1·76	66·3	24
Cambridge	29·987	36·7	35·7	45·5	32·1	67	1891	6	1895	1·42	70·5	26
Yarmouth	29·967	37·8	36·9	42·3	34·0	58	1872	15	1895	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 in: and more to 30·0 in: over Finland, Lapland, and Sweden; 30·2 in: and more to 30·0 in: over Germany, France & Spain.
Lowest, Below 29·3 in: over the Orkneys and Caithness.
Gradients steep over our northern districts, moderate to slight in the south.
Barometer rising unsteadily over Ireland and England, falling in Norway and the north of Scotland.

TEMPERATURE

Highest, 46° at Scilly, 45° at Valencia (Ireland) 42° at Malin Head.
Lowest (1) 10° at Haparanda, 28° at Karlstad, 32° at Stockholm; (2) 25° at Munich, 29° at Belfort; (3) 35° to 37° over our inland counties.
The changes during the past 24 hours have been very great and sudden

WIND

W[1] to NW[3]. fresh to strong, on our western coast; W[1] and SW[2] fresh to moderate over England; S[4], a gale, at Lerwick 11h
SE[1] to E[3] on the Norwegian coasts.
At Valencia the wind is falling light from WNW
S[4] gales were felt yesterday over all the western and northern parts of our Islands.

WEATHER

Temporarily fine at most of our stations, but not at all settled, showery at Wick and Valencia, equally at Aberdeen.
Rain has fallen generally during some part of the preceding 24 hours – rather heavily in the west and north, where it was succeeded by some sleet or snow. Of Bright Sunshine there was hardly any either over our northern or western districts, but more than 5 hrs: were recorded at Brighton and Cambridge, and more than 4 hrs at Eastbourne and Hastings.

SEA

High in the far north, rough in the northwest, slight off Dover.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depressions noticed yesterday are passing off, but the general condition is far from being settled.
The South Cone is therefore still flying on our northern and western coasts.

FORECASTS

For the 24 hours ending at NOON on 27th FEB: 1898

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
▼ 0 SCOTLAND NORTH	NW[2] winds, fresh, squally, showery; then W[2] and SW[2] and milder.	▼ 6 SCOTLAND WEST	Wind backing to SW. and S. again; milder, rainy.
▼ 1 SCOTLAND EAST		▼ 7 ENGLAND N.W.	
2 ENGLAND N.E.	Same as No. 5	▼ 8 ENGLAND S.W.	
3 ENGLAND EAST		▼ 9 IRELAND NORTH	
4 MIDLAND COUNTIES		▼ 10 IRELAND SOUTH	
5 ENGLAND SOUTH	SW[2] to NW[2] winds, changeable, showery; then SW[2] again and milder.	WARNINGS	The South Cone is still flying in districts 0, 1, and 6 to 10.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·23	37	35	ENE	2	m	2
Sumburgh Head	29·82	41	37	SSE	4	o	6
Stornoway	29·47	45	44	SSW	8	r	8
Aberdeen	29·82	41	38	SSE	8	ogq	6
Shields	29·94	42	39	S	3	m	2
Ardrossan	29·66	45	45	SSE	6	r	5
Malin Head ...	29·40	47	46	SW	7	r	5
Belmullet	29·55	41	40	W	5	or	*
Holyhead	29·83	47	44	S	4	gmd	5

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29·68	44	43	W	6	qr	6
Scilly	29·96	51	48	S	4	cr	4
Jersey	30·18	47	43	SSW	3	o	3
Hurst Castle ...	30·10	46	43	SW	3	c	3
Dungeness ...	30·10	45	42	WSW	4	c	3
North Foreland	30·11	46	42	WSW	3	b	3
London (Westminster)	30·08	48	41	WSW	3	o	*
Yarmouth ...	30·03	43	39	WSW	3	bc	4
Rochefort ...	30·27	51	45	ENE	2	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.

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DAILY WEATHER REPORT

for 8 a.m. on Sunday 27th February, 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 ...	30·39	9	2	0	0	30·13	−·41	−1	−2	−11	SE	2	0	*	0	*	14	?	—
	Hernösand ...	30·21	19	NE	2	0	30·01	−·43	20	20	0	NE	4	s	*	0	*	21	16	0·55
	Stockholm ...	30·14	33	2	0	0									*		*			
	Wisby	30·17	34	W	4	0	30·02	−·18	33	33	−1	SSE	4	s	*	0	*	36	30	0·20
	Karlstad ...	30·00	30	SSE	2	0	29·91	−·24	34	33	+6	SSE	2	0	*	0	*	*	*	0·04
	Bodö	29·99	33	ESE	6	b	29·75	−·55	30	26	−5	E	6	c	2	b	*	36	27	—
	Christiansund ...	29·63	39	SE	6	c	29·39	−·55	39	34	+1	S	6	c	4	c	*	41	36	—
	Skudesnaes ...	29·63	39	S	6	bc	29·62	−·14	40	38	+1	SSW	7	c	4	o,bc	*	?	?	*
	Færder (Christiania Fjord)	29·87	36	S	4	r	29·78	−·28	35	35	+4	SSW	6	r	4	r	*	41	31	—
	Skagen (The Scaw)	29·91	36	SW	4	m	29·86	−·16	36	35	−1	SSW	3	bc	0	m	*	37	34	0·04
	Fanö	29·95	37	SSW	4	c	29·90	−·10	38	38	+2	SSW	4	c	*	c	*	39	36	0·08
	Sumburgh Head	29·14	40	WNW	2	0	29·35	+·03	40	37	+1	WNW	4	c	5	c,o	*	42	38	0·15
	Stornoway ...	29·57	38	W	3	0	29·54	+·05	35	34	+1	WNW	3	o	3	bc,hp,o	7·0	43	32	0·06
	Wick	29·39	41	NW	4	c	29·48	+·20	35	34	−5	W	1	b	2	c	*	44	32	0·07
	Nairn	29·56	37	W	3	0	29·57	+·10	36	35	−1	W	2	b	1	o	*	42	33	0·05
	Aberdeen ...	29·58	38	WSW	5	bq	29·61	+·16	39	36	+1	SW	2	b	1	bq	8·1	45	33	—
British Isles.	Leith	29·71	38	WSW	3	0	29·64	+·02	38	37	0	WSW	2	b	*	0	*	46	35	0·11
	Shields	29·82	39	SW	4	0	29·71	·00	41	40	+4	SW	2	c	2	c,s,o,p	*	46	36	0·04
	Spurn Head ...	29·92	40	WSW	4	c	29·80	+·02	41	40	+3	SW	4	c	3	o,p	*	45	36	—
	York	29·90	42	SW	4	b	29·79	−·05	43	41	+5	WSW	1	b	*	b	8·6	47	36	0·14
	Loughborough ...	30·01	40	W	2	b	29·90	−·03	41	39	+5	SW	4	c	*	cq,bc,c	*	48	36	—
	Ardrossan ...	29·75	41	W	5	ohrpq	29·69	+·04	41	41	−1	W	4	cpq	3	bc,ohrp	*	46	38	0·24
	Malin Head ...	29·79	40	W	5	chq	29·73	·00	42	40	0	WNW	5	crq	3	chq	*	42	36	0·42
	Belmullet ...	29·96	44	WNW	5	op	29·90	−·05	44	42	+4	WNW	4	bpq	*	bc,op	*	46	37	0·12
	Donaghadee ...	29·89	41	W	6	c	29·79	−·04	39	38	+3	W	4	b	2	pq,c	*	44	34	0·07
	Liverpool (Bidston)	29·96	43	WSW	5	o	29·83	−·08	43	40	+4	WSW	7	bc	5	o,p	*	45	38	0·04
	Holyhead ...	29·97	44	SW	6	op	29·88	−·04	44	42	+4	WSW	5	bc	4	op	*	46	38	0·03
	Parsonstown ...	30·02	43	W	1	bc	29·93	−·08	41	40	+5	W	1	b	*	bc,or	3·7	45	35	0·07
	Valencia ...	30·13	47	WSW	6	opq	30·05	−·07	48	44	+3	W	5	cq	5	bcq,opq	5·7	48	42	0·17
	Roche's Point ..	30·15	46	W	3	c	30·03	−·06	46	45	+6	WNW	4	p	4	p,c	*	48	38	—
	Pembroke (St. Ann's Hd.)	30·08	46	WNW	5	bc	29·96	−·05	48	?46	+3	WNW	6	o	5	bc	5·5	48	?40	—
	Scilly	30·20	47	W	4	cp	30·12	·00	47	45	+1	W	5	cpm	4	cp	7·7	49	42	0·02
	Prawle Point ...	30·19	43	W	3	bc	30·10	+·02	45	43	+6	WSW	6	cp	5	bc,p	*	48	38	0·03
	Jersey (St. Aubin's)	30·22	47	WNW	3	b	30·20	+·07	46	45	+2	SW	5	cmp	4	b	*	51	42	0·05
	Hurst Castle ...	30·14	43	W	3	b	30·06	−·02	46	44	+6	WSW	4	o	3	bc,b	*	48	39	—
	Dungeness ...	30·11	44	WSW	4	bc	30·03	−·01	45	44	+5	WSW	4	c	3	b,bc	*	50	39	—
	North Foreland	30·10	42	WSW	2	bc	30·04	+·02	41	39	+3	SW	4	c	3	bc	*	47	36	—
	London (Brixton) ...	30·09	42	W	3	b	30·03	·00	44	42	+8	WSW	3	or	*	bc,b	7·7	48	36	—
	Oxford	30·11	40	W	3	b	30·00	−·02	41	40	+6	SW	3	op	*	b,o	*	48	35	—
	Cambridge ...	30·05	42	W	3	b	29·96	−·03	41	40	+4	SW	4	bc	*	b	9·5	50	33	—
	Yarmouth ...	29·98	42	WSW	4	bc	29·92	·00	38	37	0	SW	4	c	3	bc	*	45	34	0·01
Germany & Holland.	Cuxhaven ...	30·04	34	SW	4	o	30·00	−·06	32	32	0	S	3	bc	*	o	*	37	32	0·04
	Berlin	30·11	42	SSW	2	o	30·12	−·13	36	35	−0	WNW	2	o	*	o	*	48	36	—
	Wiesbaden ...	*	*	*	*	*	30·22	−·02	31	30	+1	Z	o	o	*	*	*	45	30	—
	Munich	30·17	32	W	5	o	30·21	−·01	33	32	+8	SW	3	o	*	o	*	35	24	—
	The Helder ...	30·02	41	SW	2	b	29·95	+·01	42	41	+4	SW	2	r	2	b	*	45	37	—
Belgium.	Brussels ...	*	*	*	*	*	30·14	+·04	34	33	−3	SSW	3	o	*	o	*	42	32	0·04
	Cape Gris Nez ...	?30·06	45	W	4	b	?30·02	?	45	43	+4	WSW	5	c	5	b	*	45	39	—
	Paris	30·22	36	S	2	b	30·25	+·08	28	28	−5	SSE	2	o	*	b	*	41	28	—
	Brest	30·28	48	NNW	1	bc	30·23	+·10	47	44	+3	W	3	o	3	bc	*	50	39	—
	Lorient	30·26	48	NNE	3	bc	30·27	+·13	44	43	0	W	2	c	2	bc	*	55	41	—
France &	Rochefort ...	30·20	47	NW	4	o	30·30	+·05	37	36	−4	NE	3	b	*	o	*	50	34	—
	Belfort	30·20	37	W	4	o	30·24	−·01	32	32	+3	W	1	f	*	o	*	46	29	—
	Lyons	30·26	40	NW	1	o	30·28	·00	36	35	+4	N	1	o	*	o	*	45	32	—
	Nice	29·97	54	SW	1	bc	30·01	+·09	45	41	−2	E	1	b	o	bc	*	64	45	—
	Perpignan ...	30·14	51	NW	3	b	30·18	+·06	48	42	+5	NW	3	c	*	b	*	60	43	—
	Biarritz ...	30·22	51	SW	3	o	30·21	+·02	49	45	+10	NNW	4	o	3	o	*	55	29	0·24
Peninsula.	Corunna ...																*			
	Lisbon	30·22	52	N	4	b	30·21	−·04	49	44	+4	NNE	4	b	*	b	*	61	45	—
	Azores (P. Delgada)	29·91	62	ESE	4	o	29·95	+·24	61	59	−1	ESE	4	o	5	o	*	66	61	0·04

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

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

Bright Sunshine yesterday Southport 5·7 hrs;

WEATHER CHARTS

FOR SUNDAY, 27TH FEBRUARY, 1898

BAROMETER, WIND AND SEA.

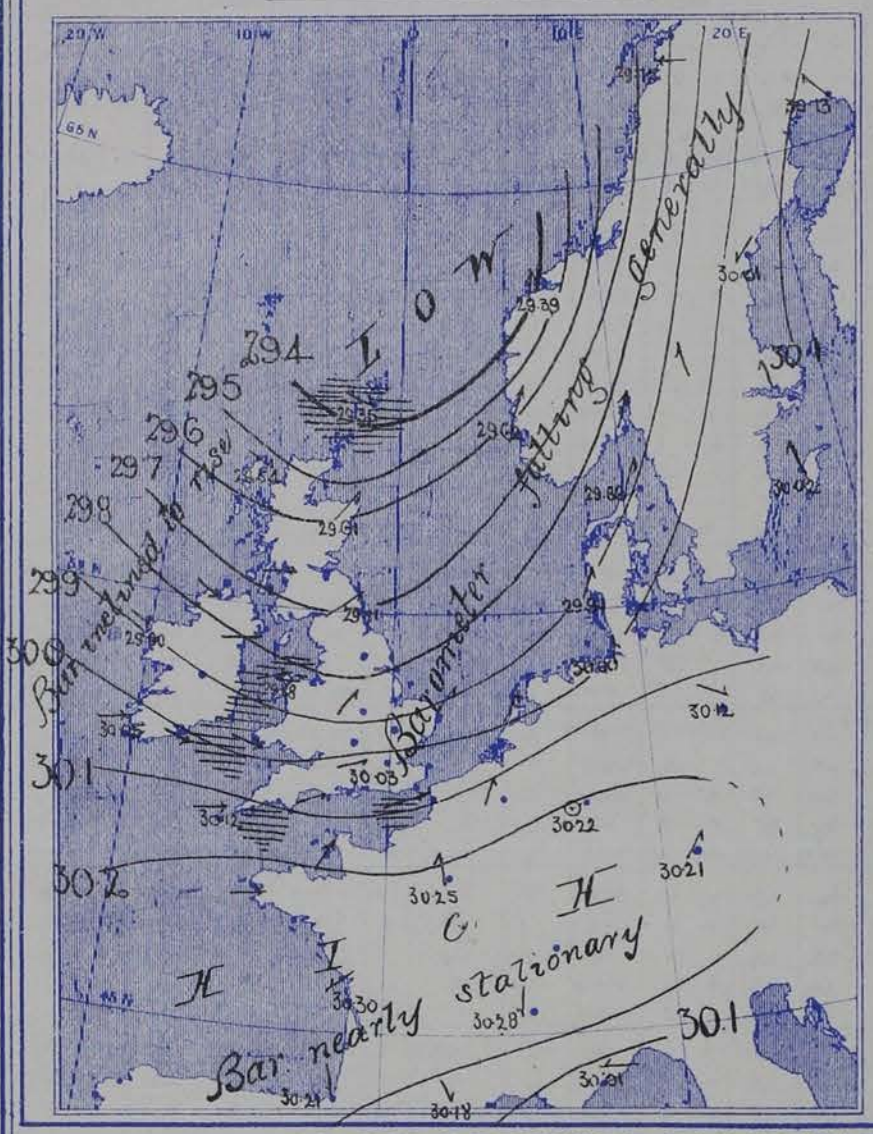
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▓

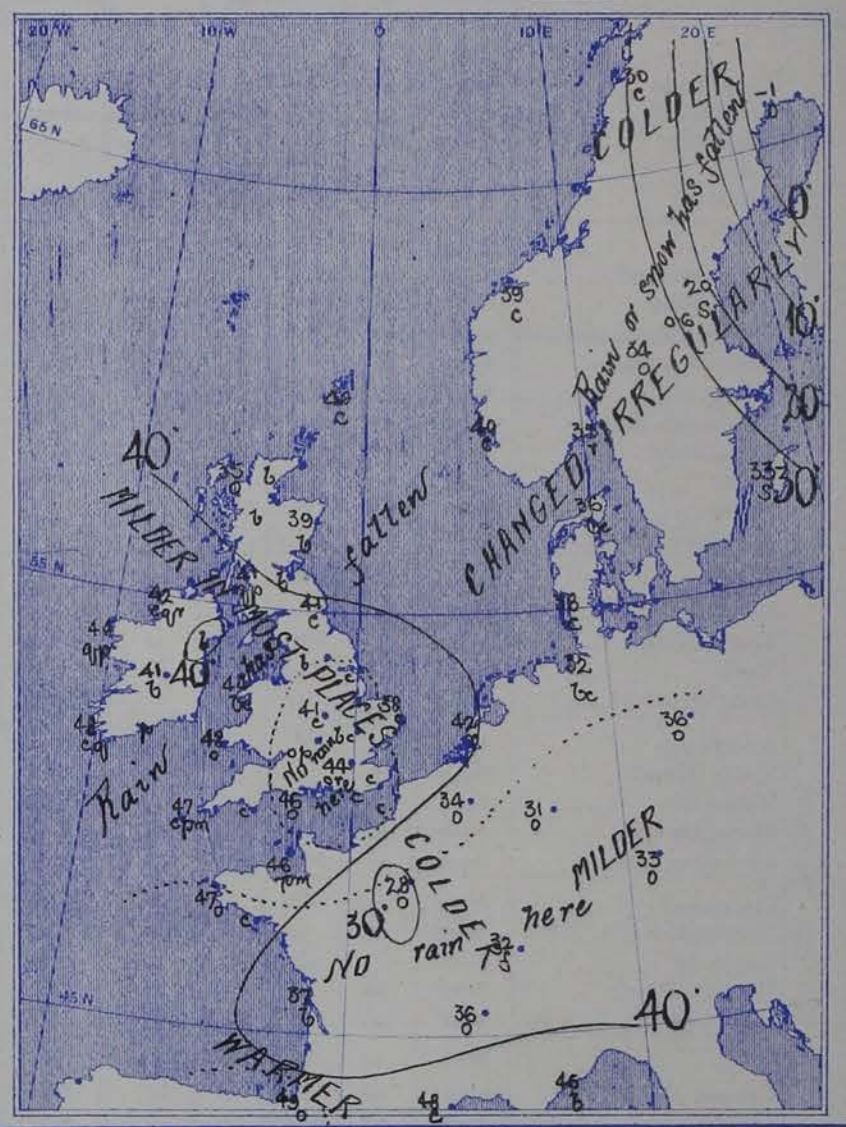


TEMPERATURE & WEATHER.

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 FEBRUARY.

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 · 772	38 · 6	37 · 2	42 · 2	34 · 4	51	1887, 91	17	1895	3 · 11	—	—
Stornoway	29 · 775	38 · 9	38 · 0	43 · 6	34 · 2	55	1891	12	1892	3 · 80	63 · 6	25
Wick	29 · 800	37 · 7	36 · 4	42 · 9	32 · 9	59	1878	2	1895	2 · 16	—	—
Nairn	29 · 815	36 · 7	35 · 1	43 · 4	32 · 5	64	1891	0	1895	1 · 65	—	—
Aberdeen	29 · 853	36 · 9	35 · 2	43 · 1	33 · 3	59	1878, 83	6	1895	2 · 26	73 · 4	28
Leith	29 · 873	38 · 1	36 · 7	45 · 5	33 · 9	59	1882	12	1895	1 · 51	—	—
Shields	29 · 908	38 · 3	36 · 9	43 · 9	34 · 4	59	1887	7	1895	1 · 50	—	—
Spurn Head	29 · 938	38 · 1	37 · 2	42 · 2	35 · 4	57*	1891	20*	1895	1 · 32	—	—
York	29 · 945	37 · 0	36 · 0	44 · 4	33 · 2	59	1872, 78	3	1895	1 · 68	60 · 0	22
Loughborough	29 · 972	36 · 7	35 · 5	45 · 2	33 · 0	64*	1891	—5*	1895	1 · 71	—	—
Ardrossan	29 · 880	39 · 2	38 · 0	44 · 4	35 · 9	56	1891	13	1895	2 · 93	—	—
Malin Head	29 · 844	41 · 0	39 · 5	45 · 5	38 · 3	—	—	—	—	—	—	—
Belmullet	29 · 870	42 · 3	40 · 7	47 · 2	38 · 8	—	—	—	—	4 · 20	—	—
Donaghadee	29 · 894	40 · 0	39 · 1	45 · 5	36 · 6	56	1894	16	1895	2 · 34	—	—
Holyhead	29 · 923	41 · 1	39 · 8	45 · 4	38 · 3	59	1891	17	1895	2 · 42	—	—
Liverpool	29 · 943	38 · 5	37 · 0	44 · 3	35 · 7	62	1878	12	1895	1 · 68	—	—
Parsonstown	29 · 915	39 · 1	37 · 8	46 · 8	35 · 1	59	1891	6	1895	2 · 16	68 · 0	25
Valencia	29 · 917	44 · 3	42 · 6	49 · 5	40 · 3	58	1891	22	1895	4 · 89	72 · 9	27
Roche's Point	29 · 927	43 · 0	41 · 4	48 · 2	39 · 4	56	1877, 89	25	1895	4 · 19	—	—
Pembroke	29 · 948	41 · 8	40 · 5	45 · 3	39 · 0	52	1877, 91	23	1895	2 · 62	79 · 9	29
Scilly	29 · 964	45 · 7	44 · 1	48 · 6	42 · 4	56	1877	27	1895	2 · 62	—	—
Prawle Point	29 · 996	41 · 2	40 · 2	46 · 6	37 · 8	57*	1891	21*	1888, 92, 95	1 · 94	—	—
Jersey	30 · 016	42 · 0	40 · 6	46 · 8	38 · 8	62	1891	18	1895	2 · 41	95 · 0	34
Hurst Castle	29 · 996	39 · 8	38 · 8	45 · 4	36 · 3	60	1877	17	1895	2 · 10	—	—
Dover	29 · 990	38 · 8	37 · 7	44 · 2	35 · 5	56	1882	11	1889	1 · 81	—	—
LONDON	29 · 996	38 · 1	36 · 8	45 · 5	34 · 5	62	1876, 91	10	1895	1 · 64	33 · 0†	12†
Oxford	29 · 994	37 · 3	36 · 1	44 · 9	34 · 2	64	1891	7	1895	1 · 76	66 · 3	24
Cambridge	29 · 987	36 · 7	35 · 7	45 · 5	32 · 1	67	1891	6	1895	1 · 42	70 · 5	26
Yarmouth	29 · 967	37 · 8	36 · 9	42 · 3	34 · 0	58	1872	15	1895	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: in an anticyclonic system covering the Iberian Peninsula, the Bay of Biscay, France, Western Germany, and the southern parts of our Islands, and exceeding 30·0 ins: over the Baltic, the Gulf of Bothnia and Finlands.
Lowest, Below 29·4 ins: in a depression lying off the west coast of Norway.
Gradients still steep over Norway, moderate over our Islands.
Barometer falling fast in most places, but inclined to rise over Scotland.

TEMPERATURE

Highest, 49° at Lisbon and Biarritz, 48° to 45° on the southwest coasts of the British Islands, 42° at Malinhd, 40° at Lerwick Head.
Lowest, (1) −1° F. at Haparanda, +20° at Hernösand, 30° at Bodö, 33° at Wick, (2) 28° at Paris, 31° at Wiesbaden, 32° at Belfast, (3) 35° at Stornoway and Wick.
After rising to between 45° and 50° over Ireland and England yesterday it fell fast to nearly the freezing point in shade, and to below that values on the grass during the night. In the south of France the maxima exceeded 60°

WIND

Light and anticyclonic over Spain, France and Germany; W. (SW. to NW) and moderate over the British Islands; SW to S on the Eastern shores of the North Sea.
The gales on our northern and western coasts have died down except at Liverpool.

WEATHER

Fair over Spain, France, and Germany, temporarily clear over Scotland, but very changeable elsewhere, with rain in several places, fog at Belfort.
Some rain has fallen in our Islands, over all but our southern District, as well as on the Eastern shores of the North Sea.
Bright Sunshine recorded yesterday ranged from 9·5 hrs: at Cambridge to 3·7 hrs at Parsonstown.

SEA

Rather rough in the north, west, and southwest, moderate to slight in the Channel, smooth off our east coast

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 28TH FEB: 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	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 ...	29.64	36	36	SE	8	o	5
Sumburgh Head	29.17	41	40	E	0	c	7
Stornoway	29.53	40	38	NNW	5	bc	5
Aberdeen	29.52	43	38	W	5	bq	4
Shields	29.75	45	41	WSW	5	c	2
Ardrossan	29.73	43	43	W	6	bc	5
Malin Head ...	29.78	41	39	W	5	chq	4
Belmullet	29.97	45	43	W	4	bc	*
Holyhead	29.98	45	42	WSW	6	c	5

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.14	48	43	W	5	bcq	5
Scilly	30.19	48	44	W	4	cp	4
Jersey	30.22	51	45	NW	4	b	3
Hurst Castle ...	30.14	48	44	W	4	bc	3
Dungeness ...	30.08	49	45	WSW	4	b	3
North Foreland	30.08	47	42	W	4	bc	3
London (Westminster)	30.08	50	41	WNW	3	bc	*
Yarmouth ...	29.98	45	40	W	4	bc	3
Rochefort ...	30.25	50	47	SW	4	o	*

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

Weather in morning fine and bright over Spain, many parts of France and the southwest and south of our Islands, also over Russia generally, and southeastern Europe; very changeable elsewhere, with rain and hail showers over northwestern Europe, snow over Finland and Sweden, rain in some parts of Italy. Showers falling later at our northern and western stations (sleet in some places), rain at Biarritz, snow and sleet on the eastern shores of the North Sea.

Temperature risen temporarily over Norway and the greater part of England, but changing very fitfully everywhere, fallen in Ireland. Morning readings highest 58° at Nemours, 57° at Lesina, 52° at Florence; 46° to 40° at our own southwestern stations, 42° at Malin Hd. Lowest -6° F. at Kharkov, -3° at Uleaborg, +4° at Moscow, and much below the freezing point all over Russia, Finland, and the greater part of Sweden. Rising later to between 45° and 50° over Ireland and England, to 55° at Lorient, 60° at Perpignan, and to 64° at Nice.

Wind light to moderate in force and anticyclonic in direction over Russia and the greater part of Central and southwestern Europe. Cyclonic both over the northwestern countries and also over the Mediterranean. (1) NW³ to W³, strong to moderate over our Islands, SW¹ to SE³ over the eastern shores of the North Sea, SE³, moderate, over the Baltic, E³ over Lapland; (2) E³ and NE³, over the north of Italy and south of France, N³ and NW³ over Sardinia and Genis, and blowing a gale at Florence and La Calle.

Barometer highest 31·14 in. at Kharkov, and exceeding 30·6 in. over all the southern and central parts of Russia; 30·32 in. at Madrid and Limoges, and exceeding 30·2 in. in a broad ridge stretching from Russia across Central Europe and France to Spain and the Atlantic. Lowest 29·3 in. in a depression over the Orkneys (gradients steep over Scotland and the west of Norway), and below 29·8 in. in a depression over the Mediterranean – the centre being between Sardinia and Sicily. 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; v. 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 February, 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 ...	30·04	15	SE	2	0	29·96	-·17	19	18	+ 20	SE	2	S	#	0	#	19	-2	-
	Hernösand ...	29·88	31	S	4	0	29·83	-·18	31	31	+ 11	ENE	2	0	#	0	#	32	16	0·04
	Stockholm ...	29·94	38	calm	0	0	29·85		33	32		calm	0	0	#	0	#	37	30	0·04
	Wisby	29·95	34	NNW	4	0	29·89	-·13	33	32	0	SW	4	c	#	0	#	36	32	0·12
	Karlstad ...	29·84	34	S	2	8	29·76	-·15	34	31	0	SSE	2	f	#	s	#	#	#	0·08
	Bodö	29·63	30	E	5	b	29·62	-·13	31	27	+ 1	E	6	bc	1	b	#	36	27	-
	Christiansund ...	29·42	43	SE	4	bc	29·54	+·15	38	37	- 1	SSE	1	c	3	bc	#	45	36	-
	Skudesnaes ...	29·63	39	SSE	4	c	29·60	-·02	37	36	- 3	S	6	bc	4	c	#	41	36	#
	Færder (Christiania Fjord)	29·73	37	SSE	4	0	29·68	-·10	36	36	+ 1	SE	4	0	3	0	#	39	34	0·51
	Skagen (The Scaw)	29·78	37	SSW	2	m	29·69	-·17	36	36	0	NE	3	0	0	m	#	37	36	1·96
	Fanö	29·69	37	SSW	2	c	29·70	-·20	39	38	+ 1	SSW	2	c	#	c	#	41	36	0·12
British Islands.	Sumburgh Head	29·47	41	W	2	bc	29·40	+·05	37	35	- 3	W	2	c	4	bc	#	44	33	0·08
	Stornoway ...	29·54	39	NNW	4	c	29·60	+·06	35	34	0	W	3	c	3	pbr.c	3·4	42	33	0·30
	Wick	29·48	41	NW	2	b	29·51	+·03	33	32	- 2	NW	2	bc s p	0	b	#	44	32	0·04
	Nairn	29·58	40	WSW	1	b	29·64	+·07	34	33	- 2	WSW	3	b	1	b	#	47	31	0·01
	Aberdeen ...	29·60	40	SW	2	bc	29·65	+·04	37	33	- 2	W	3	b	1	bc	4·5	46	32	-
	Leith	29·65	42	W	3	c	29·74	+·10	38	36	0	WSW	3	b	#	c	#	48	35	-
	Shields	29·71	45	SW	2	bc	29·78	+·07	38	37	- 3	SW	2	b	2	bc	#	48	35	-
	Spurn Head ...	29·76	42	NNW	3	b	29·81	+·01	39	37	- 2	W	4	bw	3	b	#	45	37	-
	York	29·77	43	W	3	b	29·83	+·04	38	36	- 5	W	2	b	#	b	4·4	48	35	0·01
	Loughborough ...	29·85	42	W	2	b	29·92	+·02	37	36	- 4	NNW	2	b	#	c p bc. b	#	52	36	0·01
	Ardrossan ...	29·70	42	W	4	cp	29·79	+·10	42	41	+ 1	W	4	c	3	cp	#	45	38	0·07
	Malin Head ...	29·75	40	W	5	c q r	29·86	+·13	40	40	- 2	W	5	c q r	3	c q r	#	44	36	0·20
	Belmullet ...	29·92	44	W	4	bcp	30·04	+·14	44	43	0	NW	3	↑	#	cp	#	46	40	0·20
	Donaghadee ...	29·80	41	W	4	b	29·89	+·10	37	36	- 2	W	5	bc	3	r s. b	#	47	34	0·11
	Liverpool (Bidston)	29·85	42	WSW	4	b	29·92	+·09	41	38	- 2	WSW	5	c	4	bp	#	46	40	0·02
	Holyhead ...	29·88	44	W	4	bc	29·97	+·09	42	40	- 2	W	4	c	3	bc	#	48	40	-
	Parsonstown ...	29·94	44	W	1	bc	30·03	+·10	39	37	- 2	W	1	b	#	b cp	9·0	48	37	-
	Valencia ...	30·07	47	W	6	cp	30·14	+·09	47	43	- 1	WNW	5	cp	5	cp. o	4·5	49	43	0·10
	Roche's Point ..	30·03	46	NNW	5	bc	30·14	+·11	43	41	- 3	NNW	3	c	3	bc	#	48	40	0·02
	Pembroke (St. Ann's Hd.)	29·96	47	NNW	6	bc	30·07	+·11	45	42	- 3	NNW	5	c	5	bc	5·8	48	37	0·08
	Scilly	30·05	48	NNW	5	c q	30·14	+·02	48	45	+ 1	NW	4	cp	3	c q	3·0	51	43	0·02
	Prawle Point ..	30·01	43	W	3	bc	30·12	+·02	41	40	- 4	WSW	3	b c p	3	b c p	#	48	39	0·08
	Jersey (St. Aubin's)	30·04	49	WSW	6	cp	30·12	-·08	45	43	- 1	WNW	8	b c p w	3	cp	#	49	42	0·12
	Hurst Castle ...	29·95	45	W	3	b	30·04	-·02	40	39	- 6	W	3	b	2	p. b	#	48	38	0·04
	Dungeness ...	29·87	45	WSW	4	c	29·98	-·05	37	36	- 8	W	3	bc	2	r. c	#	47	32	0·08
	North Foreland	29·88	40	SW	3	bc	29·96	-·08	36	36	- 5	WSW	3	b	2	r. bc	#	43	35	0·15
	London (Brixton) ...	29·88	42	NW	2	bc	29·99	-·04	35	34	- 9	W	2	b m	#	q p r h. b v	1·3	47	34	0·15
	Oxford	29·94	39	W	2	b	30·01	+·01	35	34	- 6	WSW	3	b	#	q r h. b	#	49	34	0·13
	Cambridge ...	29·87	40	WSW	2	c	29·95	-·01	36	35	- 5	SW	2	b	#	c q r p	4·6	50	31	0·01
	Yarmouth ...	29·78	44	WSW	3	bc q	29·86	-·06	37	35	- 1	WSW	4	bc	3	bc q	#	47	32	0·07
Germany & Holland.	Cuxhaven ...	29·84	38	S	5	r	29·76	-·24	36	36	+ 4	SW	2	o	#	r	#	39	32	0·12
	Berlin	30·01	38	calm	0	b	29·88	-·24	36	34	0	SW	3	s	#	b	#	43	32	-
	Wiesbaden ...	*	*	*	*	*	29·98	-·24	37	36	+ 6	SW	2	o	#	*	#	39	31	0·12
	Munich	30·13	31	SSE	2	f	30·08	-·13	32	32	- 1	NW	4	o	#	f	#	37	28	0·04
	The Helder ...	29·78	42	SW	2	c	29·82	-·21	41	39	- 1	W	2	c	2	c	#	43	41	0·24
Belgium.	Brussels ...	*	*	*	*	*	29·99	-·15	35	35	+ 1	WSW	2	o	#	r	#	43	33	0·63
	Cape Gris Nez...	?29·82	46	WSW	5	0	?29·92	-·10	41	39	- 4	NNW	3	bc	3	o	#	46	39	0·24
	Paris	30·09	44	SSW	3	bc	30·08	-·17	34	34	+ 6	SW	2	b	#	bc	#	46	28	-
	Brest	30·12	49	W	3	c	30·18	-·05	47	44	0	NNW	3	c	3	c	#	50	41	0·12
	Lorient... ...	30·16	47	W	5	r	30·19	-·08	46	45	+ 2	NW	3	bc	4	r	#	54	41	-
France &	Rochefort ...	30·28	47	NE	3	bc	30·24	-·06	48	46	+ 11	NNW	4	c	#	bc	#	54	34	0·04
	Belfort	30·17	33	W	3	c	30·09	-·15	32	32	0	WSW	3	s	#	c	#	44	30	-
	Lyons	30·23	37	NE	1	b	30·21	-·07	32	31	- 4	NNW	1	s	#	b	#	45	32	-
	Nice	30·06	49	E	1	0	30·02	+·01	43	42	- 2	calm	0	b	1	0	#	59	44	-
	Perpignan ...	30·14	51	NW	3	b	30·21	+·03	45	40	- 3	NW	3	b	#	b	#	59	42	-
	Biarritz ...	30·21	49	NW	3	b	30·22	+·01	45	41	- 4	SE	3	0	2	b	#	54	43	-
Peninsula.	Corunna ...																#			
	Lisbon	30·16	57	NNW	4	b	30·17	-·04	52	46	+ 3	NNE	4	b	#	b	#	64	48	-
	Azores (P. Delgada)	30·00	60	ESE	5	0	30·01	+·06	59	55	- 2	E	5	0	5	0	#	64	57	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 7·6 hrs;

WEATHER CHARTS

FOR Monday. 28th February, 1898

BAROMETER, WIND AND SEA.

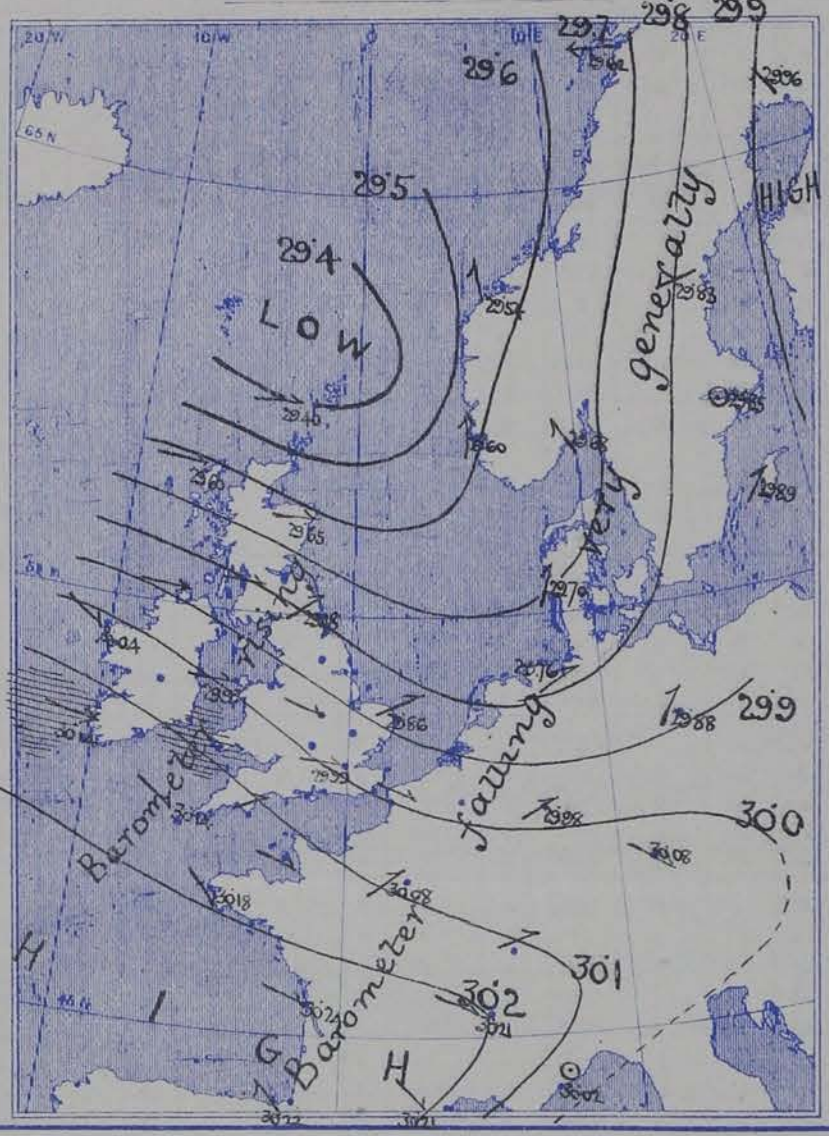
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▦

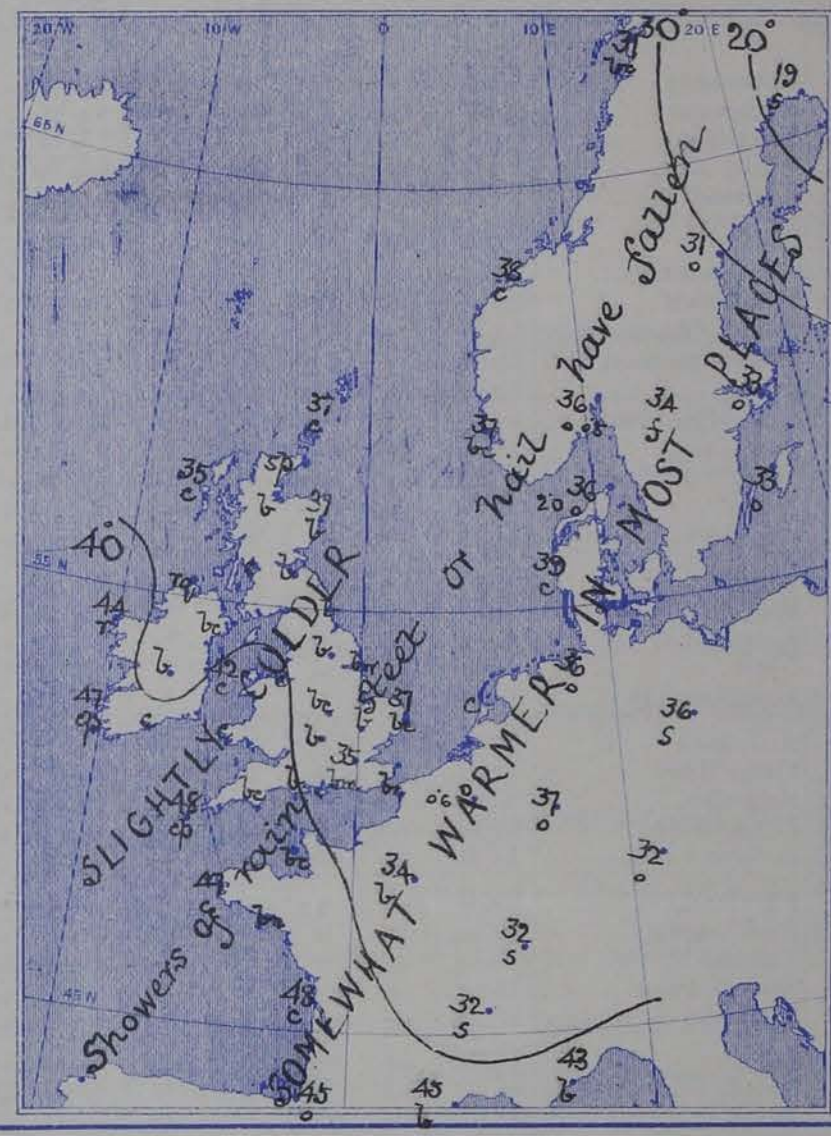


TEMPERATURE & WEATHER.

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 FEBRUARY.*

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 · 772	38 · 6	37 · 2	42 · 2	34 · 4	51	1887, 91	17	1895	3 · 11	—	—
Stornoway	29 · 775	38 · 9	38 · 0	43 · 6	34 · 2	55	1891	12	1892	3 · 80	63 · 6	25
Wick	29 · 800	37 · 7	36 · 4	42 · 9	32 · 9	59	1878	2	1895	2 · 16	—	—
Nairn	29 · 815	36 · 7	35 · 1	43 · 4	32 · 5	64	1891	0	1895	1 · 65	—	—
Aberdeen	29 · 853	36 · 9	35 · 2	43 · 1	33 · 3	59	1878, 83	6	1895	2 · 26	73 · 4	28
Leith	29 · 873	38 · 1	36 · 7	45 · 5	33 · 9	59	1882	12	1895	1 · 51	—	—
Shields	29 · 908	38 · 3	36 · 9	43 · 9	34 · 4	59	1887	7	1895	1 · 50	—	—
Spurn Head	29 · 938	38 · 1	37 · 2	42 · 2	35 · 4	57*	1891	20*	1895	1 · 32	—	—
York	29 · 945	37 · 0	36 · 0	44 · 4	33 · 2	59	1872, 78	3	1895	1 · 68	60 · 0	22
Loughborough	29 · 972	36 · 7	35 · 5	45 · 2	33 · 0	64*	1891	—5*	1895	1 · 71	—	—
Ardrossan	29 · 880	39 · 2	38 · 0	44 · 4	35 · 9	56	1891	13	1895	2 · 93	—	—
Malin Head	29 · 844	41 · 0	39 · 5	45 · 5	38 · 3	—	—	—	—	—	—	—
Belmullet	29 · 870	42 · 3	40 · 7	47 · 2	38 · 8	—	—	—	—	4 · 20	—	—
Donaghadee	29 · 894	40 · 0	39 · 1	45 · 5	36 · 6	56	1894	16	1895	2 · 34	—	—
Holyhead	29 · 923	41 · 1	39 · 8	45 · 4	38 · 3	59	1891	17	1895	2 · 42	—	—
Liverpool	29 · 943	38 · 5	37 · 0	44 · 3	35 · 7	62	1878	12	1895	1 · 68	—	—
Parsonstown	29 · 915	39 · 1	37 · 8	46 · 8	35 · 1	59	1891	6	1895	2 · 16	68 · 0	25
Valencia	29 · 917	44 · 3	42 · 6	49 · 5	40 · 3	58	1891	22	1895	4 · 89	72 · 9	27
Roche's Point	29 · 927	43 · 0	41 · 4	48 · 2	39 · 4	56	1877, 89	25	1895	4 · 19	—	—
Pembroke	29 · 948	41 · 8	40 · 5	45 · 3	39 · 0	52	1877, 91	23	1895	2 · 62	79 · 9	29
Scilly	29 · 964	45 · 7	44 · 1	48 · 6	42 · 4	56	1877	27	1895	2 · 62	—	—
Prawle Point	29 · 996	41 · 2	40 · 2	46 · 6	37 · 8	57*	1891	21*	1888, 92, 95	1 · 94	—	—
Jersey	30 · 016	42 · 0	40 · 6	46 · 8	38 · 8	62	1891	18	1895	2 · 41	95 · 0	34
Hurst Castle	29 · 996	39 · 8	38 · 8	45 · 4	36 · 3	60	1877	17	1895	2 · 10	—	—
Dover	29 · 990	38 · 8	37 · 7	44 · 2	35 · 5	56	1882	11	1889	1 · 81	—	—
LONDON	29 · 996	38 · 1	36 · 8	45 · 5	34 · 5	62	1876, 91	10	1895	1 · 64	33 · 0†	12†
Oxford	29 · 994	37 · 3	36 · 1	44 · 9	34 · 2	64	1891	7	1895	1 · 76	66 · 3	24
Cambridge	29 · 987	36 · 7	35 · 7	45 · 5	32 · 1	67	1891	6	1895	1 · 42	70 · 5	26
Yarmouth	29 . 967	37 · 8	36 · 9	42 · 3	34 · 0	58	1872	15	1895	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 ins: to 30·0 ins: in an anticyclone covering Spain, the greater part of France, the Bay of Biscay and the southwestern parts of our Islands; (2) about 30·0 ins: over Ireland.
Lowest, Below 29·4 ins: in a depression lying to the northward of the Shetlands, and below 29·8 ins: in a "hollow" over the North Sea.
Gradients moderate to slight. Barometer rising on almost all our coasts, but at Valencia the rise has apparently ceased.

TEMPERATURE

Highest, 48° at Scilly and Rochefort, 47° at Valencia and Brest, 45° at Jersey, 44° at Pilmullet.
Lowest, 19° at Haparanda, 31° at Bodö and Hernösand, 32° at Munich, Belfort and Lyons; 35° to 37° over Central England.
It has been very unsteady during the preceding 24 hours and frost has occurred on the grass over England during the night.

WIND

Variable from between WSW and WNW over our Islands, and from between SW. and SE. over the countries lying to the eastward of the North Sea. At Biarritz it is SE³.
The W³ breeze has blown strongly over over eastern and southern districts yesterday.

WEATHER

Very clear over the northeastern, midland, and eastern parts of Great Britain, changeable and showery in the west, and not settled anywhere.
Showers of cold rain, sleet or hail have fallen over all but our northeastern counties, thunder has occurred at Cambridge.
Bright Sunshine recorded yesterday was greatest at our eastern stations (9 hrs at Harwich); over our southeastern counties it was very slight.

SEA

Rather rough at Valencia (Ireland) slight in the English Channel, smooth off our northeast coast.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Further showers are probable in the west and south of England today, followed by a cold night.

FORECASTS

For the 24 hours ending at NOON on 1ST MARCH **1898**

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	Varying W¾ (SW to NW) breezes; some passing showers today, clear and cold again tonight.	6 SCOTLAND WEST	Wind backing to SW. again and freshening, with rain; milder.
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 ...	29.64	39	38	SSW	6	c	4
Sumburgh Head							
Stornoway	29.52	42	41	WNW	5	cpk	5
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29.73	44	40	W	5	cqr	4
Belmullet	29.91	46	43	W	5	cp	*
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia							
Scilly							
Jersey	30.11	48	47	WSW	6	qp	5
Hurst Castle ...							
Dungeness ...	29.92	46	46	WSW	5	r	4
North Foreland	29.92	47	45	SW	5	r	3
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30.36	47	45	W	2	bc	*

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 FEB: 1898.

This week commenced with unsettled changeable weather generally, but especially rough over the northwestern, western, and southwestern districts, owing to the rapid movement of a small, but well marked depression from the north of Scotland to the eastern parts of Ireland, and thence in a south-southeasterly direction over Cornwall to the west and southwest of France. It caused strong N^ly (NW to NE) winds in most places, with showers, but in travelling across Cornwall and Devon, fresh NE^ly gales were developed with a fall of cold rain and snow greater than has been experienced since 1891. Over some parts of Hampshire a sharp thunderstorm was experienced also. Very similar weather (excepting the snow) was experienced in the southwest of France, when the disturbance had reached that region a day or two later.

The weather then remained cold for some days, but on Thursday depressions began to strike our northwestern and western coasts, travelling northeastwards, but spreading meanwhile in an easterly direction. A mild southerly current of wind then spread over our Islands, bringing with it a very general fall of warm rain, which was heavier in the west and northwest than elsewhere, and S^ly gales to all our northern and western stations. The duration of this S^ly breeze, however, was brief, for at the close of the week the wind was veering to the W^ard again, and subsiding; temperature was falling fast, and cold showers were apparently becoming general, with bright intervals.

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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ADDITIONS AND CORRECTIONS TO THE

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	30·66	55	N	1	0	30·65	−·08	49	48	+3	NE	1	0	3	0	–	57	43	–
..	Azores (P. Delgada)	30·68	59	SSE	4	c	30·68	+·03	57	52	−4	NNE	3	0	2	c	–	64	55	–
2	Corunna	30·59	52	NW	1	b	30·61	−·04	50	50	+1	NW	1	b	3	b	–	54	43	–
3	Nice	29·95	50	E	1	c	29·86	−·33	44	33	−4	NW	6	b	3	c	–	55	43	–
4	Nice	29·83	45	NW	4	bc	29·56	−·30	40	–	−4	WNW	5	bc	4	bc	–	57	37	–
..	Corunna	?	52	N	3	bc	?30·20	–	59	54	–	WNW	3	0	8	bc	–	?	45	–
5	Corunna	30·28	57	NW	4	0	30·29	+·09	52	48	−7	NW	6	0	8	0	–	59	45	–
7	Corunna	30·51	54	NW	3	c	30·28	–	51	51	–	NW	3	0	3	c	–	55	37	0·08
8	Corunna	30·58	54	N	3	0	30·44	+·16	48	44	−3	N	1	c	5	0	–	54	39	–
9	Corunna	30·43	53	N	3	0	30·34	−·10	41	37	−7	NE	1	b	?	0	–	?	?	?
10	Corunna	30·28	55	NE	2	b	30·28	−·06	43	39	+2	E	2	b	3	b	–	55	36	–
11	Brussels	–	–	–	–	–	30·43	+·01	38	–	+3	SE	1	0	–	0	–	45	34	–
..	Corunna	30·31	56	NE	2	b	30·34	+·06	41	39	−2	E	2	c	3	b	–	57	36	–
12	Corunna	30·37	55	E	3	c	30·43	+·09	41	39	0	N	2	c	5	c	–	55	36	–
13	Wiesbaden	–	–	–	–	–	30·34	−·11	29	–	−3	SW	2	0	–	–	–	37	25	–
..	Corunna	30·38	57	N	3	b	30·42	−·01	58	–	+17	NE	2	c	–	b	–	58	36	–
14	Corunna	30·42	54	NE	2	b	30·56	+·14	40	39	−18	NE	1	m	8	b	–	?58	37	–
15	Corunna	30·55	56	N	2	b	30·56	·00	43	41	+3	NE	1	m	6	b	–	57	36	–
16	Rochefort	30·59	52	WNW	3	c	30·54	−·04	50	–	+4	W	4	0	–	c	–	55	43	–
..	Corunna	30·55	57	NE	1	b	30·58	+·02	39	38	−4	NNE	1	f	5	b	–	59	36	–
17	Corunna	30·54	56	N	3	b	30·44	−·14	40	39	+1	NE	1	c	5	b	–	57	37	–
18	Corunna	30·29	58	N	4	b	30·07	−·37	41	40	+1	NE	1	b	4	b	–	59	37	–
19	Corunna	29·84	58	NE	3	b	29·85	−·22	48	46	+7	NE	1	f	3	b	–	59	37	–
20	Wiesbaden	–	–	–	–	–	29·61	−·15	34	–	−8	Z	0	S	–	–	–	43	32	–
..	Cape Gris Nez	29·84	40	NW	4	0	29·49	?	45	–	+8	W	5	r	5	0	–	45	34	–
21	Skagen	29·27	32	SE	8	S	?29·13	−·29	35	34	+1	S	3	0	2	S	–	36	30	0·20
..	Belmullet	–	–	–	–	–	30·25	−·29	38	36	+4	NE	8	b	–	S	–	43	30	0·46
..	Corunna	29·86	55	ENE	3	b	29·60	−·14	49	47	–	W	3	r	2	b	–	55	39	0·32
23	Corunna	29·68	49	S	3	0	29·90	–	39	38	–	E	3	f	8	0	–	54	36	0·24
24	Belmullet	–	–	–	–	–	30·02	·00	44	42	+7	S	4	c	–	bc. 0	–	47	35	–
26	Corunna	30·33	55	E	1	b	30·32	+·08	39	38	0	ESE	1	b	1	b	–	55	36	–
27	Stockholm	–	–	–	–	–	30·02	−·29	34	–	+2	SSE	2	0	–	0	–	34	30	0·12
28	Corunna	30·25	56	N	4	c	30·32	–	50	47	–	NE	4	c	3	c	–	57	39	–

REPORTS FOR FEBRUARY 1898.

2. CORRECTIONS.

DATE.	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.			Barometer.		Temperature.			Wind.						Temp.		
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yester-day.	Dry Bulb.	Wet Bulb.	Change since Yester-day.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sun-shine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
1	Valencia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44	-
2	Prawle Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51	-	-
3	North Foreland	-	-	-	-	-	30.01	+.20	-	-	-	-	-	-	-	-	-	-	-	-
"	Holyhead 2pm	-	-	-	-	-	-	-	-	46	-	-	-	-	-	-	-	-	-	-
4	Belmullet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42	-
5	Donaghadee	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	-	-
"	Pembroke	29.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	Nairn	-	-	-	-	-	29.36	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Spurn Head	-	-	-	-	-	29.58	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Prawle Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-	-
"	Jersey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51	-	-
-	Berlin	-	-	-	-	-	-	: 26	-	-	+ 13	-	-	-	-	-	-	-	?	-
9	Nairn	-	-	-	-	-	29.82	+ 12	-	-	-	-	-	-	-	-	-	-	-	-
"	Jersey 2pm	-	-	-	-	-	-	-	52	-	-	-	-	-	-	-	-	-	-	-
10	Prawle Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42	-
"	North Foreland	30.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	Malin Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-	-
"	Belmullet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-	-
13	Pembroke	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.13
14	Yarmouth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36	-
16	Pembroke	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51	-	-
17	Sumburgh Hd	-	-	-	-	-	29.71	+ 71	-	-	-	-	-	-	-	-	-	-	-	-
18	Hurst Castle 2pm	-	-	-	-	-	-	-	-	44	-	-	-	-	-	-	-	-	-	-
19	Liverpool	30.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	Spurn Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33	-
-	Malin Head	-	-	-	-	-	29.34	- 56	-	-	-	-	-	-	-	-	-	-	-	-
"	Donaghadee	29.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Hurst Castle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47	-	-
23	York	-	-	-	-	-	-	-	-	-	-	-	-	Desp	-	-	-	-	-	-
-	Parsonstown	-	-	-	-	-	-	-	30	30	+ 1	-	-	-	-	-	-	-	29	-
24	Spurn Head	-	-	-	-	-	30.09	+ 34	-	-	-	-	-	-	-	-	-	-	-	-
27	Wick	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33	-
"	Pembroke	-	-	-	-	-	-	-	-	46	-	-	-	-	-	-	-	-	40	-
"	Jersey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.06
28	North Foreland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47	-	-