

METEOROLOGICAL OFFICE.

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**DAILY WEATHER REPORTS.**

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1<sup>ST</sup> JANUARY—30<sup>TH</sup> JUNE,

**1877.**



MAP SHOWING ALL THE STATIONS REPORTING BY TELEGRAPH  
DAILY TO THE METEOROLOGICAL OFFICE, JAN, 1, 1877.

Published by the Admiralty

# DAILY WEATHER REPORT FEB 17<sup>th</sup> 1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.			
			Dir.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Difference from 8 A.M. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.	Amount of Rainfall.	
Haparanda ...	29.61	24	N	4	0	29.92	+ .87	15	15	- .14	N	2	0	*	*	*	-	
Hernösand ...	29.71	17	Z	0	6	30.06	+ .79	7	7	- .19	Z	0	6	*	*	*	-	
Stockholm ...	29.60	28	NNE	2	0	29.88	+ .62	27	26	- .2	N	4	0	*	*	*	-	
Wisby ...	29.55	35	SE	2	0	29.82	+ .65	32	32	- .2	ESE	6	0	*	*	*	0.08	
Christiansund ...	29.80	31	SW	3	7	29.93	+ .11	28	26	- .5	SE	4	6	4	34	27	-	
Skudesnaes ...	29.82	30	Z	0	6	29.99	+ .45	32	29	- .2	ESE	4	6	3	34	30	6	
Oxö (Klansand) ...	29.82	30	NNW	4	6	30.05	+ .61	23	24	- .8	NNW	4	6	2	34	21	-	
Skagen (The Scaw) ...	29.79	33	NE	4	6	30.00	+ .65	36	28	- .8	NE	2	6	2	34	27	-	
Fanö ...	29.86	32	NNW	2	6	30.03	+ .65	28	27	- .7	NNW	4	6	*	36	27	-	
Cuxhaven ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Sumburgh Head ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Stornoway ...	29.56	38	ESE	6	7	29.46	- .31	46	45	+ .14	SSW	4	0	5	46	31	0.10	
Thurso ...	29.71	37	SSE	2	0	29.87	- .20	39	38	+ .4	SSE	3	0	3	39	33	0.95	
Wick ...	29.63	39	S	3	0	29.60	- .20	41	41	+ .8	SE	3	7	2	41	31	0.08	
Nairn ...	29.71	36	Z	0	6	29.60	- .20	38	36	+ .5	Z	0	6	1	39	33	0.08	
Aberdeen ...	29.76	37	SSW	1	0	29.68	- .12	40	39	+ .4	S	1	0	2	41	35	0.16	
Leith ...	29.77	38	SE	3	7	29.73	- .16	39	39	+ .2	Z	0	7	*	42	36	0.14	
Shields ...	29.87	41	Z	0	0	29.80	- .13	42	41	+ .6	SW	1	7	2	42	35	0.88	
York ...	29.94	40	SSW	1	0	29.87	- .10	46	46	+ .12	W	1	0	*	46	33	0.18	
Scarborough ...	29.92	40	SW	2	0	29.85	- .08	41	41	+ .4	SSW	1	7	1	43	37	0.09	
Nottingham ...	29.96	39	S	3	7	29.93	- .10	47	46	+ .11	NNW	3	6	*	47	36	0.15	
Ardrossan ...	29.70	39	SE	2	7	29.74	- .18	47	46	+ .4	SW	3	6	3	49	38	0.89	
Greencastle ...	29.62	42	SW	7	7	29.69	- .18	47	46	+ .9	? NE	2	0	*	50	36	0.57	
Donaghadee ...	29.69	43	SSW	5	0	29.79	- .17	47	47	+ .11	S	3	0	3	48	36	0.39	
Kingstown ...	29.77	37	N	5	0	29.87	- .17	30	48	+ .8	SW	3	6	2	37	40	0.18	
Holyhead ...	29.78	47	SSW	2	7	29.90	- .13	48	47	+ .4	SSW	2	0	2	50	40	0.75	
Liverpool (Bidston) ...	29.83	48	SE	5	7	29.90	- .11	48	46	+ .8	SSW	2	0	3	49	37	0.39	
Valencia ...	29.95	51	W	5	7	29.88	- .09	57	50	+ .4	SW	6	0	4	53	45	0.10	
Roche's Point ...	29.93	50	W	3	6	29.96	- .07	50	49	+ .6	SSW	2	0	3	53	45	0.11	
Pembroke ...	29.90	50	W	7	0	29.98	- .12	49	48	+ .3	W	3	0	3	50	44	0.10	
Portishead ...	29.94	43	SSW	4	7	29.99	- .11	47	46	+ .7	SSW	4	0	3	49	38	0.12	
Scilly ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Plymouth ...	30.02	49	SW	2	0	30.07	- .10	47	47	+ .11	SSW	1	0	*	50	36	0.17	
Hurst Castle ...	30.04	45	W	3	7	30.01	- .11	49	48	+ .8	NN	2	0	2	49	40	0.15	
Dover ...	30.08	42	NNW	3	6	29.94	- .06	48	47	+ .10	W	3	0	2	48	37	0.28	
London ...	30.05	44	W	2	0	29.97	- .08	48	48	+ .12	W	2	0	*	48	36	0.15	
Oxford ...	*	*	*	*	*	29.98	- .10	48	47	+ .12	SSW	2	0	*	48	36	0.34	
Cambridge ...	30.01	40	SSW	1	0	29.95	- .08	47	47	+ .11	W	1	7	*	49	35	0.24	
Yarmouth ...	29.98	40	W	2	6	29.91	- .02	41	41	+ .7	Z	0	7	4	42	33	0.08	
The Helder ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Cape Gris Nez ...	30.01	43	SSW	3	0	29.94	- .07	48	48	+ .7	W	3	7	2	?	39	0.20	
Brest ...	?	45	NNW	3	0	?	?	48	46	0	NN	3	0	4	? 52	46	-	
L'Orient ...	30.22	? 50	SSW	3	0	30.21	- .06	48	48	+ .3	NNW	5	0	3	? 52	43	-	
Rochefort ...	30.25	50	NN	2	0	30.19	- .09	50	50	+ .4	NN	5	7	5	32	36	0.04	
Biarritz ...	30.32	57	SSW	2	0	30.30	+ .02	50	50	+ .8	NNW	4	7	4	?	43	0.	
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Brussels ...	*	*	*	*	*	30.00	+ .03	38	*	0	S	3	7	*	*	*	*	
Charleville ...	*	*	*	*	*	? 29.99	+ .09	35	*	0	SSE	3	7	*	*	*	*	
Paris ...	30.16	43	NNW	3	0	30.03	- .07	46	*	+ .7	W	2	0	*	*	*	0.20	
Lyons ...	*	*	*	*	*	?	?	42	*	- .4	E	2	6	*	*	*	*	
Toulon ...	29.92	41	NN	6	6	30.05	+ .13	39	30	+ .2	NN	4	6	4	45	37	-	

## YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.76	33	30	NNW	4	6	2	Valencia .....	29.95	52	51	N	5	fdg	5
Thurso .....	29.76	36	35	SSE	1	2	3	Scilly .....							
Scarborough ...	29.95	40	39	SSW	2	0	3	London .....	30.08	44	42	N	2	om	*
Greencastle ...	29.70	38	37	S	2	7	*	Rochefort ...	30.25	52	46	NNW	2	0	3
Holyhead .....	29.90	42	41	SSW	4	0	3								

The barometer is now falling at all our Wm stations most in the NW. and the wind has backed to South over the Irish Sea with rain.

## EXPLANATION OF COLUMNS.

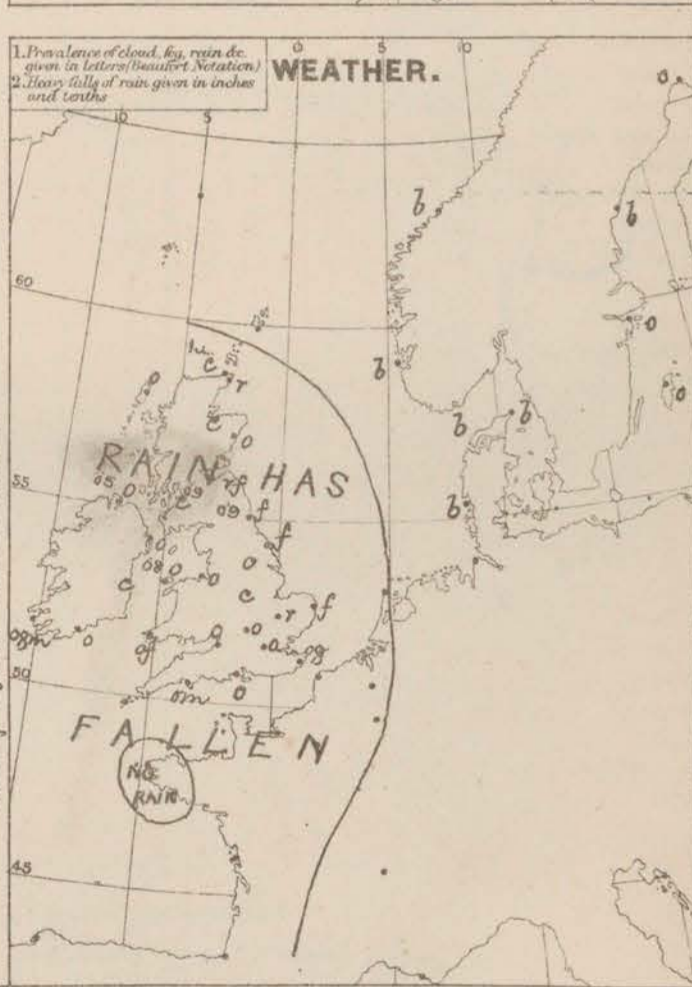
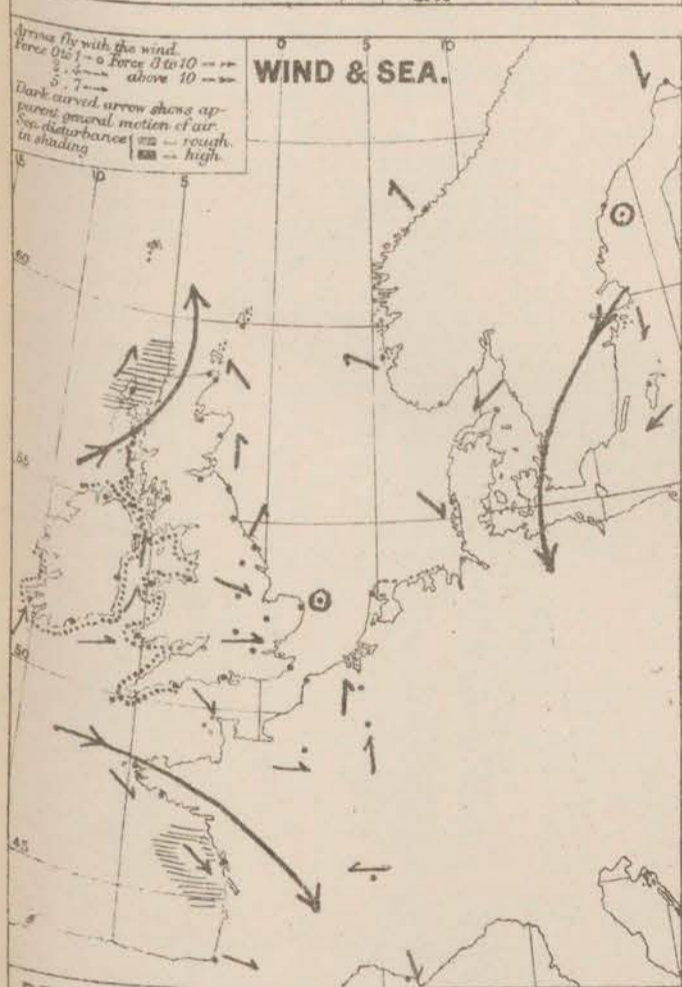
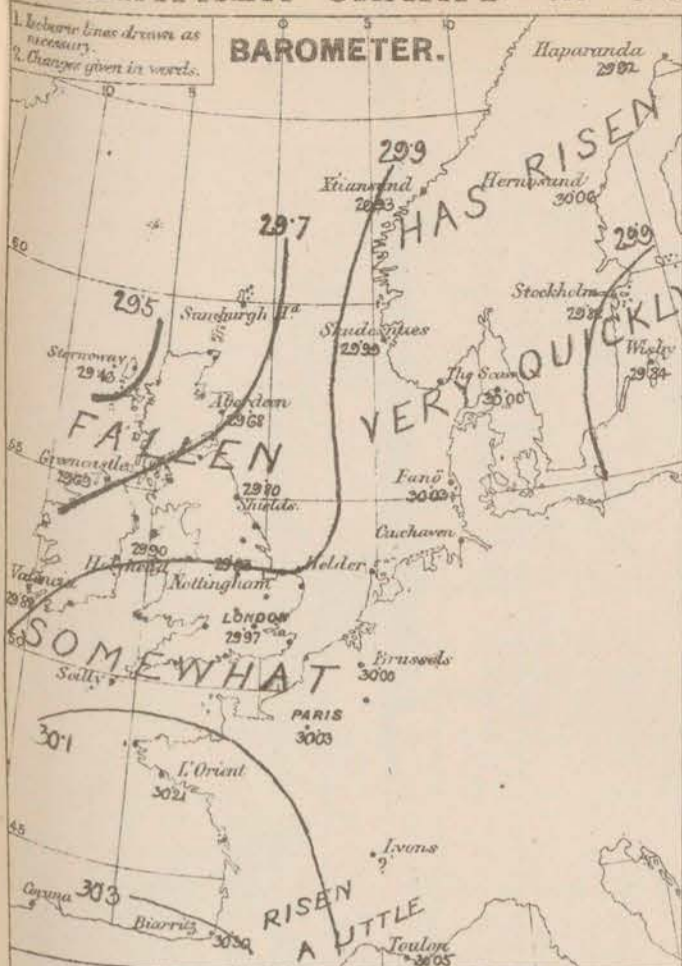
**WEATHER.**—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

† The evening observations are taken at 6 p.m. in our islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

# WEATHER CHARTS for 8 a.m. on Thursday 1<sup>st</sup> FEB<sup>y</sup> 1877.



**REMARKS.** During the past 24 hours the barometer has risen briskly over the countries to the E. of the North Sea but the decrease noticed in the west of these Islands yesterday morning has since extended to all our own and the French stations, and though the change is nowhere very great, pressure continues in a very unsettled state. The lowest readings lie outside the Hebrides and while a small shallow disturbance lies off our east coast a second is apparently advancing on the west of Ireland from the Atlantic. The wind is light from the W. in the south, and from S in the north and west. At Valentia the wind has backed and blows strongly. Temperature has fallen a few degrees over Scandinavia but elsewhere it has risen, the change amounting to more than 10° over southern England. The weather is about 10° colder at Toulon than in the south of England. The sky is clear in Denmark and the west of Norway but is generally overcast elsewhere, and rain has fallen at nearly all places. The sea is generally moderate to smooth.

Our west coasts were warmed yesterday morning, and the south and east coasts in the evening. The cones have, however, been lowered in the south and east this morning.

Subscription for these Charts payable in advance to cover delivery. Delivery by hand 10s. per quarter, book post 5s. per quarter.

Meteorological Office,  
116, Victoria Street, Westminster, S.W.

R. H. SCOTT.  
Director.

## DAILY WEATHER REPORT

FEB 2<sup>nd</sup> 1877.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	Barometer.  Reading at 32° F. and Sea Level.	SHADE TEMP.			WIND.		Weather.	Sec. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.			
			Dir.	Force. (0 to 12).			Dry.	Wet.	Difference from 3 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.				
Haparanda ...	30.22	-7	N	2	b	30.38	+ .46	-5	-5	-20	N	2	b	*	*	*	-		
Hernösand ...	30.32	5	Z	0	f	30.39	+ .33	-3	-4	-10	N	2	a	*	*	*	-		
Stockholm ...	30.16	27	N	2	b	30.37	+ .49	19	19	-8	NE	2	a	*	*	*	-		
Wisby ...	30.15	31	NE	8	o	30.35	+ .37	28	27	-4	N	4	b	*	*	*	-		
Christiansund ...	? 30.24	33	ESE	2	o	? 30.25	+ .32	?	?	?	S	2	o	3	41	25	-		
Skudesnaes ...	30.04	33	SE	8	o	30.08	+ .09	32	31	0	SE	8	o	7	34	32	-		
Oxö (Xtiansand) ...	30.20	29	E	4	o	30.30	+ .25	? 30	29	+7	SE	4	o	3	?	?	0.24		
Skagen (The Seaw) ...	30.25	28	E	2	o	30.32	+ .32	28	26	-2	ESE	2	o	1	30	25	-		
Fanö ...	30.21	29	SE	3	b	30.30	+ .27	28	28	0	SSE	4	b	*	32	27	-		
Cuxhaven ...	30.16	*	E	1	b	30.29	+ .27	30	27	-5	SSE	4	b	*	*	*	-		
Sumburgh Head																			
Stornoway	29.82	44	SW	3	b	29.61	+ .15	42	40	-4	S	5	b	5	50	38	0.21		
Thurso ...	29.57	45	SW	2	a	29.72	+ .15	35	34	-4	S	2	b	3	46	34	0.02		
Wick ...	29.62	45	SW	3	b	29.74	+ .14	40	39	-1	SE	2	b	3	46	37	0.01		
Nairn ...	29.62	48	W	1	a	29.76	+ .16	37	34	-1	Z	0	b	1	49	33	-		
Aberdeen ...	29.69	43	SW	2	o	29.79	+ .11	38	37	-2	Z	0	m	1	47	37	-		
Leith ...	29.75	50	WSW	4	b	29.80	+ .07	43	43	+4	SE	2	o	*	53	35	0.06		
Shields ...	29.86	48	SW	4	b	29.86	+ .06	49	48	+7	S	1	f	2	57	41	0.06		
York ...	29.93	48	SW	1	b	29.93	+ .06	48	47	+2	S	1	f	*	53	42	0.21		
Scarborough ...	29.93	48	WSW	1	o	29.94	+ .09	48	48	+7	SW	3	P	2	50	40	0.05		
Nottingham ...	30.01	48	S	3	o	30.01	+ .08	49	49	+2	S	3	P	*	57	36	0.02		
Ardrossan ...	29.78	48	SW	4	f	29.78	+ .04	41	40	-6	E	2	cm	2	49	39	0.09		
Greencastle ...	29.72	49	W	2	o	29.66	- .08	42	41	-5	S	2	o	*	50	35	0.06		
Donaghadee ...	29.82	45	S	3	f	29.74	- .08	46	46	-1	SSE	4	o	2	49	44	0.04		
Kingstown ...	29.85	54	SW	3	c	29.80	- .07	48	47	-2	SSE	3	c	2	55	46	0.02		
Holyhead ...	29.90	50	SW	3	m	29.83	- .07	49	49	+1	SW	3	f	3	57	48	0.36		
Liverpool (Bidston) ...	29.93	50	SW	2	a	29.88	- .02	49	49	+1	SSE	2	o	2	52	48	0.06		
Valencia ...	29.90	44	W	4	o	29.67	- .21	57	50	0	SW	5	m	5	54	47	0.10		
Roche's Point... ..	29.95	52	WSW	4	f	29.76	- .20	57	57	+1	SW	5	f	4	53	48	0.25		
Pembroke ...	30.01	50	WSW	4	o	29.91	- .07	57	58	+2	SSW	4	cm	4	57	48	0.13		
Portishead ...	30.05	49	S	4	f	30.01	+ .02	57	57	+4	SW	6	o	4	57	44	0.03		
Scilly ...																			
Plymouth ...	30.11	50	WSW	1	o	30.07	- .04	57	57	+4	SW	3	cm	*	52	46	0.41		
Hurst Castle ...	30.08	49	WSW	2	o	30.08	+ .07	49	49	0	WSW	4	cm	4	49	47	0.01		
Dover ...	30.09	47	WSW	2	c	30.15	+ .21	48	47	0	WSW	2	f	2	57	46	-		
London ...	30.07	50	WSW	1	o	30.09	+ .12	50	49	+2	SW	2	o	*	50	43	0.01		
Oxford ...	*	*	*	*	*	30.05	+ .07	50	49	+2	SW	1	o	*	52	47	-		
Cambridge ...	30.03	47	SW	1	o	30.05	+ .10	48	48	+1	S	1	o	*	50	45	0.01		
Yarmouth ...	30.01	47	Z	0	f	30.07	+ .16	45	45	+4	SW	2	f	3	49	40	0.04		
The Helder..	*	*	*	*	*	30.15	+ .17	40	39	+1	SE	1	o	*	*	*	-		
Cape Gris Nez	30.06	48	WSW	3	o	30.16	+ .22	48	48	0	SW	2	f	1	48	46	-		
Brest ...	?	52	WSW	3	m	?	?	50	50	+2	SW	4	m	4	52	46	-		
L'Orient ...																			
Rochefort ...	30.27	52	WSW	2	o	30.27	+ .08	52	50	0	SSW	2	o	3	52	43	0.04		
Biarritz ...	30.36	55	WSW	3	P	30.24	+ .04	50	48	-4	SW	2	o	4	55	48	0.04		
Corunna ...	*	*	*	*	*									*	*	*	*		
Brussels ...	*	*	*	*	*	30.19	+ .19	44	*	+6	SW	3	f	*	*	*	0.01		
Charleville ...	*	*	*	*	*	? 30.16	+ .17	40	*	+5	S	1	f	*	*	*	*		
Paris ...	30.17	48	WSW	3	o	30.26	+ .23	46	*	0	W	3	o	*	*	*	-		
Lyons ...	*	*	*	*	*	?	?	43	*	+1	NE	2	r	*	*	*	*		
Toulon ...	30.10	45	E	4	c	30.21	+ .16	41	39	+2	E	2	b	4	48	39	-		

## YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	30.03	33	29	ESE	8	c	4	Valencia ...	29.87	52	52	SW	5	rgm	4
Thurso .....	29.54	43	42	SSE	3	o	3	Scilly .....							
Scarborough ...	29.90	50	48	WSW	1	c	1	London .....	30.03	50	48	WSW	2	o	*
Greencastle ...	29.70	44	49	W	2	o	*	Rochefort ...	30.24	52	50	WSW	3	o	3
Holyhead .....	29.91	50	50	SSW	4	m	3								

Pressure is changing very little, it continues very unsteady in the West. The winds are scarcely changed.

## EXPLANATION OF COLUMNS.

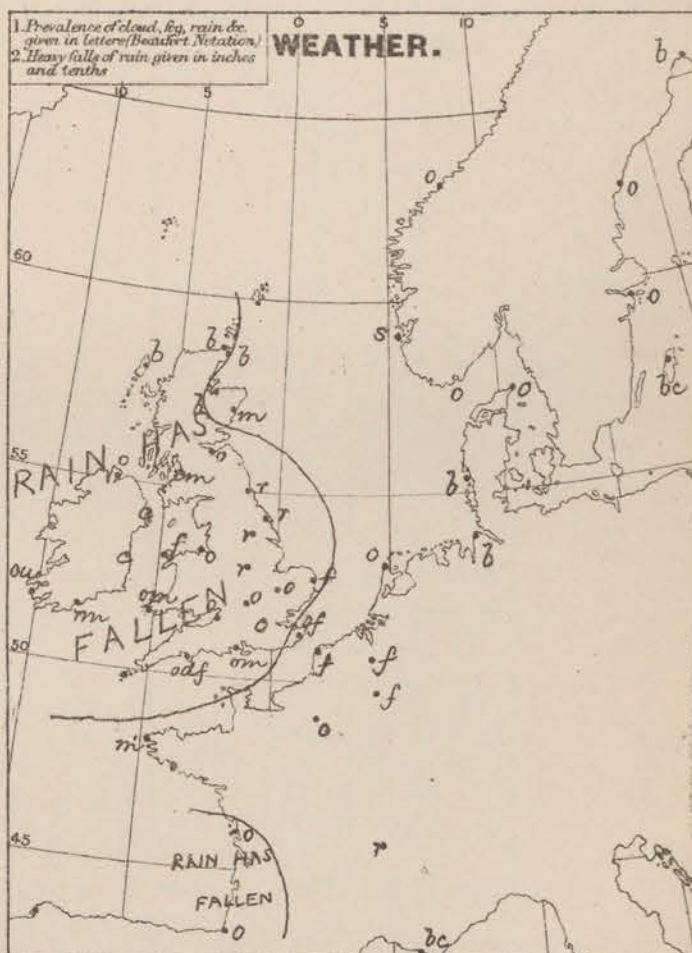
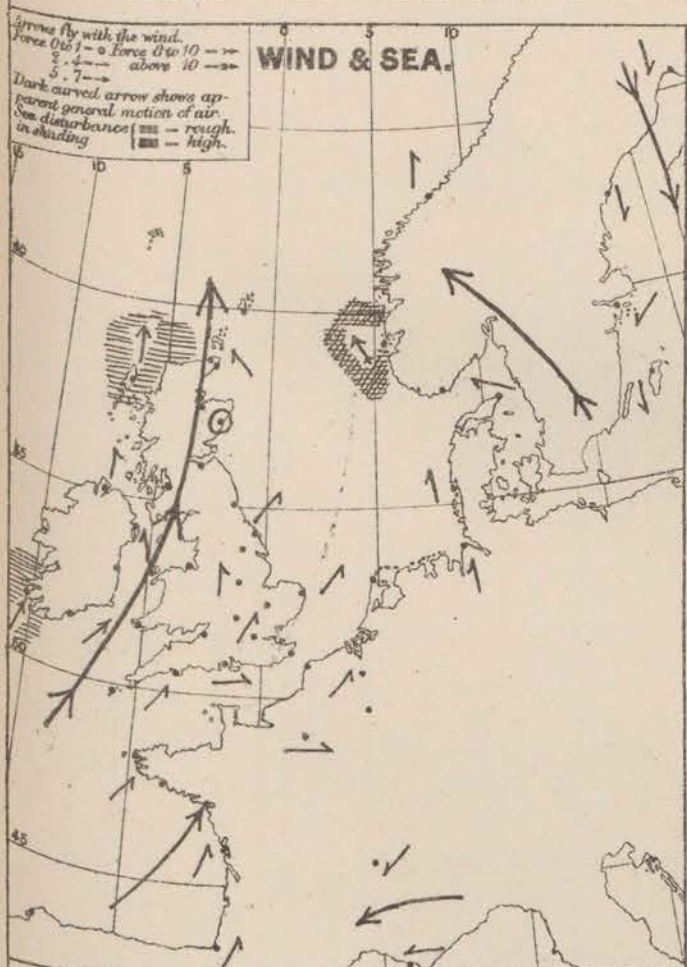
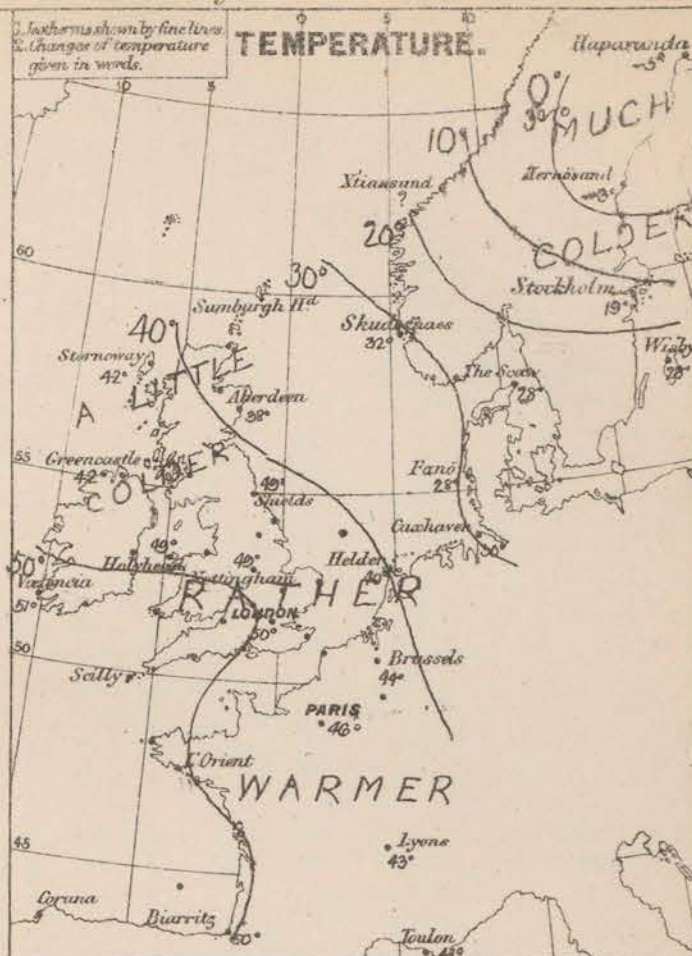
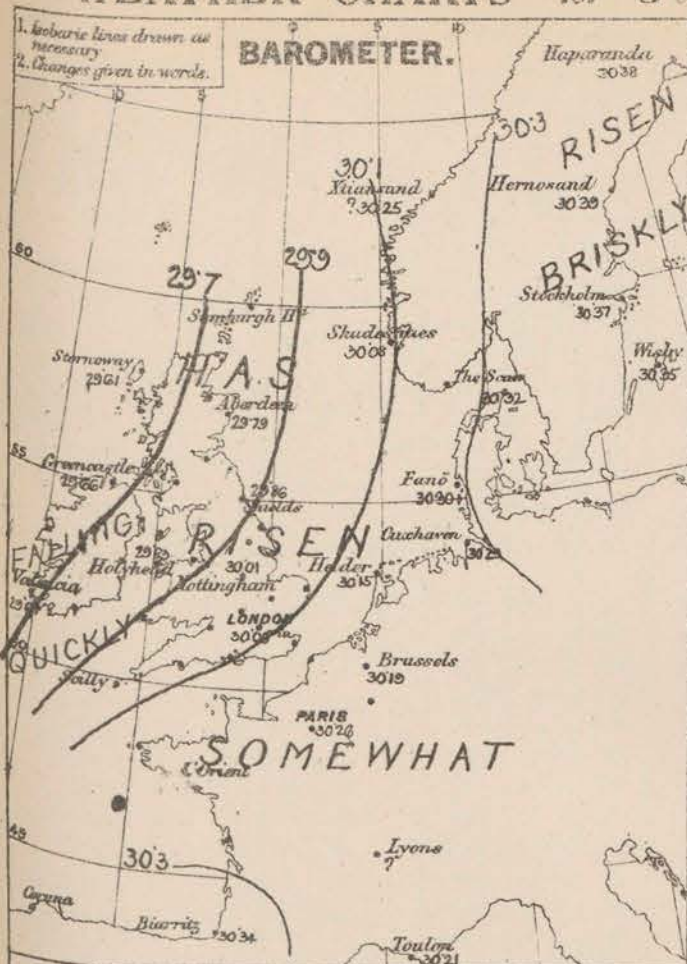
**WEATHER.**—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

WEATHER CHARTS for 8 a.m. on Friday 2<sup>ND</sup> FEB. 1877.



REMARKS. In the west of these Islands pressure continues in a very unsettled state. Some slight disturbances appear to have travelled from SW to NE outside these coasts yesterday, and this morning the barometer is again falling briskly at Valente. Over Scandinavia, however, the mercury has risen briskly, while on our east coast and over France and North Germany there has been a slight change in the same direction. The wind is N<sup>4</sup> in the Baltic but is S<sup>4</sup> in all parts of Western Europe, and, though generally light or moderate in force blows fresh at some of our western stations. A further rise of temperature has taken place over England and France, and the thermometer marks 50° or over at nearly all our southern stations. In Sweden, however, a decrease of several degrees has occurred, and in the Gulf of Bothnia the thermometer is 5° below zero Fahr. The weather is dull and wet in the south but is clear in the north of Scotland and over Denmark. Rain has been general. The sea is slight or moderate except in the extreme west.

Subscription for these Charts payable in advance to cover delivery. Delivery by hand 2/- per quarter, boat post 5/- per quarter.

Meteorological Office,  
116, Victoria Street, Westminster, S.W.

**R. H. SCOTT.**  
Director.

Donnerstag, 22. April 2010 15:00

# DAILY WEATHER REPORT

FEB 3<sup>RD</sup> 1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Direc.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	30.39	10.	Z	0	0	30.24	- .14	17	17	+ 22	S	2	0	*	*	*	—	
Hernösand ...	30.28	21	NNE	2	0	30.10	- .29	24	22	+ 27	S	6	0	*	*	*	—	
Stockholm ...	30.36	21	NE	2	f	30.16	- .21	24	24	+ 5	SE	2	f	*	*	*	—	
Wisby ...	30.39	28	N	2	0	30.24	- .11	30	29	+ 2	SSW	4	0	*	*	*	—	
Christiansund ...	29.69	39	E	4	0	29.34	- .91	41	36	?	SSW	8	bc	5	41	36	—	
Skudesnaes ...	29.76	34	ESE	8	0	29.72	- .36	38	36	+ 6	SSW	8	bc	6	?	32	0.63	
Oxö (Xtiansand) ...	30.10	32	SE	6	0	29.82	- .48	36	35	+ 6	SW	4	c	3	?	28	—	
Skagen (The Scaw) ...	30.19	32	SSW	6	0	29.89	- .43	33	32	+ 5	SW	6	0	7	?	27	0.04	
Fanö ...	30.08	33	SSE	6	P	30.05	- .25	37	36	+ 9	SW	4	bc	*	?	27	0.24	
Cuxhaven ...	30.24	39	SSE	5	S	30.12	- .17	37	37	+ 7	W	2	c	*	?	?	0.21	
Sumburgh Head																		
Stornoway	29.02	40	S	5	r	29.24	- .37	35	33	- 7	SW	5	ow	6	45	32	0.41	
Thurso ...	29.05	46	SSE	5	r	29.34	- .38	34	34	- 1	SSW	5	spg	4	47	33	0.4	
Wick ...	29.18	45	S	6	0	29.43	- .31	36	35	- 4	SW	5	c	4	46	32	0.16	
Nairn ...	29.19	42	SSW	5	0	29.42	- .34	37	36	0	SSW	4	0	3	48	34	0.12	
Aberdeen ...	29.24	47	S	8	r	29.55	- .24	38	36	0	SSW	5	bc	4	48	36	0.4	
Leith ...	29.37	45	SW	6	bc	29.63	- .17	41	39	- 2	SW	5	c	*	34	35	0.15	
Shields ...	29.37	47	SSW	7	bc	29.83	- .03	40	38	- 9	SW	5	bc	2	53	38	0.07	
York ...	29.72	50	SW	5	0	30.01	+ .08	40	37	- 8	SSW	5	c	*	53	35	0.16	
Scarborough ...	29.67	50	SW	5	r	29.98	+ .04	38	37	- 10	SW	3	bc	2	52	35	0.22	
Nottingham ...	29.81	49	SW	6	0	30.19	+ .18	38	36	- 11	SSW	4	bc	*	54	35	0.07	
Ardrossan ...	29.39	45	SW	7	c	29.67	- .11	40	38	- 1	SSW	6	ry	6	57	38	0.39	
Greencastle ...	29.40	39	N	6	r	29.64	- .02	36	36	- 6	SSW	3	0	*	51	32	0.60	
Donaghadee ...	29.69	48	SSW	8	bc	29.75	+ .01	41	40	- 5	SW	5	bc	5	57	34	0.02	
Kingstown ...	29.78	45	N	4	bc	29.89	+ .09	45	44	- 3	N	5	bc	4	55	39	0.03	
Holyhead ...	29.79	44	SSW	6	bc	29.95	+ .12	44	44	- 5	SW	7	c	4	52	40	0.05	
Liverpool (Bidston) ...	29.76	46	N	7	bc	30.01	+ .13	40	40	- 6	SSW	4	bc	3	53	38	0.44	
Valencia ...	29.46	43	N	4	0	29.98	+ .38	47	44	- 4	N	6	ow	6	53	39	0.17	
Roche's Point... ..	29.83	43	N	5	0	30.00	+ .24	48	46	- 3	N	5	bc	4	53	36	0.15	
Pembroke ...	29.91	48	N	8	bc	30.13	+ .22	48	46	- 3	SW	8	og	6	57	44	0.12	
Portishead ...	29.97	46	SSW	6	bc	30.22	+ .21	39	37	- 12	SW	4	bc	4	55	36	0.26	
Seilly ...																		
Plymouth ...	30.07	47	SW	4	bc	30.27	+ .20	43	42	- 8	SW	3	bc	*	53	40	0.09	
Hurst Castle ...	29.97	52	SSW	6	r	30.27	+ .19	47	44	- 2	N	3	bc	3	52	43	0.12	
Dover ...	30.08	48	SSW	2	0	30.27	+ .12	39	38	- 9	SW	2	bc	2	49	38	0.06	
London ...	29.99	52	SW	4	0	30.26	+ .17	37	36	- 13	SSW	2	bc	*	52	35	0.07	
Oxford ...	*	*	*	*	*	30.21	+ .16	38	37	- 12	SW	1	bc	*	53	26	0.09	
Cambridge ...	29.93	51	SSW	3	0	30.24	+ .19	33	33	- 15	SW	1	bc	*	52	32	0.07	
Yarmouth ...	29.93	48	SSW	5	m	30.29	+ .12	36	35	- 9	SSW	2	bc	2	49	35	0.04	
The Helder... ..	*	*	*	*	*	30.18	+ .03	43	42	+ 3	N	2	bc	*	*	*	0.12	
Cape Gris Nez ...	30.10	48	SSW	4	c	30.29	+ .13	45	43	- 3	N	3	bc	2	50	45	0.04	
Brest ...	?	54	NW	4	bc	?	?	48	43	- 2	NW	3	0	4	?	46	0.24	
L'Orient ...																		
Rochefort ...	30.28	52	SW	3	P	30.41	+ .14	46	45	- 4	N	3	bc	3	54	37	0.08	
Biarritz ...	30.38	57	SSW	3	c	30.42	+ .08	50	48	0	SW	3	bc	5	59	46	0.08	
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	30.31	+ .12	40	*	- 4	SSW	3	bc	*	*	*	0.07	
Charleville ...	*	*	*	*	*	30.24	+ .08	39	*	- 1	N	1	bc	*	*	*	*	
Paris ...	30.24	49	SSW	3	c	30.36	+ .10	42	*	- 4	NW	3	bc	*	*	*	0.04	
Lyons ...	*	*	*	*	*	?	?	49	*	+ 6	SE	2	0	*	*	*	*	
Toulon ...																		

## YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.95	34	32	ESE	8	5	7	Valencia ...	29.74	47	42	N	8	bcg	4
Thurso .....	29.40	44	43	ESE	4	0	3	Seilly .....							
Scarborough ...	29.77	51	50	S	3	0	2	London .....	30.03	52	51	SW	2	0	4
Greencastle ...	29.28	49	46	SW	5	ry	4	Rochefort ...	30.28	52	52	SW	3	0	3
Holyhead .....	29.63	57	57	SSW	6	d	4								

The barometer has fallen very quickly in the NW. and the wind is strong from S. in the Irish Sea, and from N. at Valencia.  
Our N. N. and NE. coasts have been warned.

## EXPLANATION OF COLUMNS.

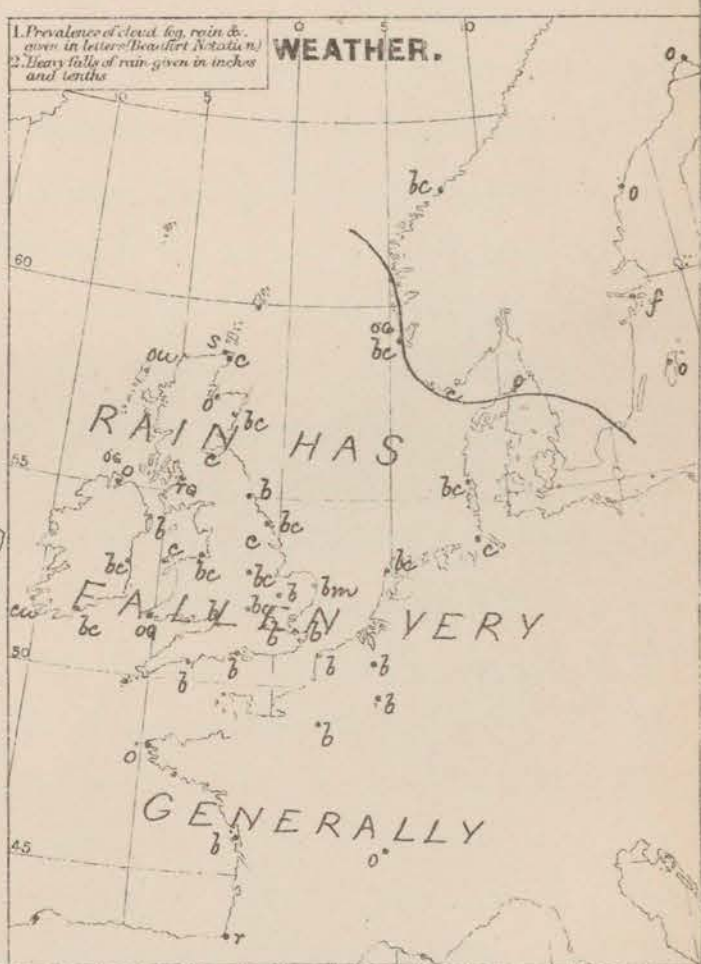
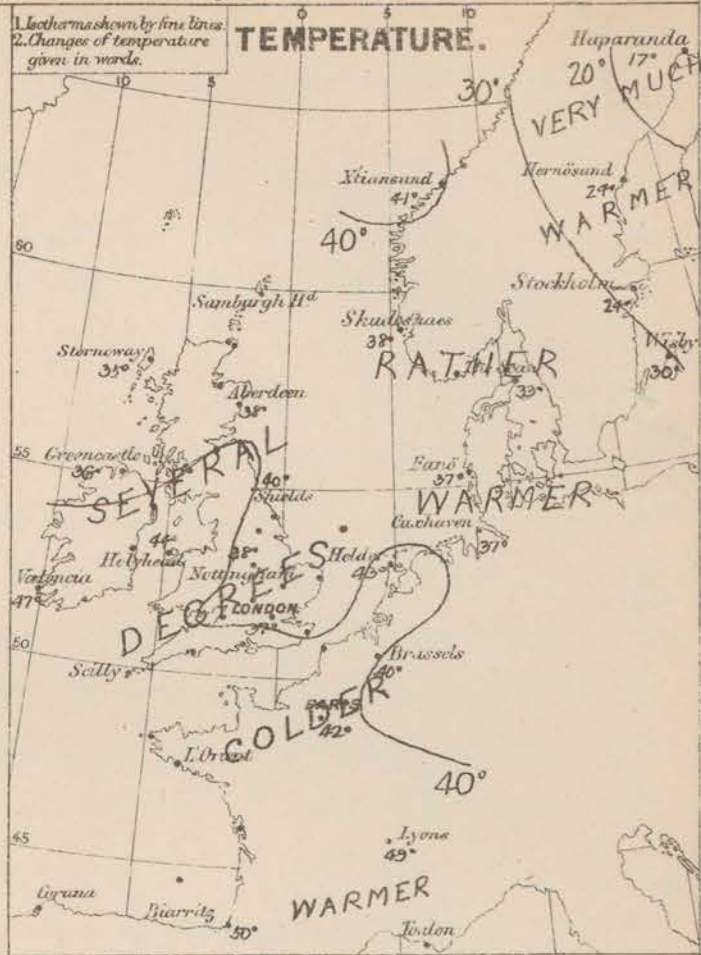
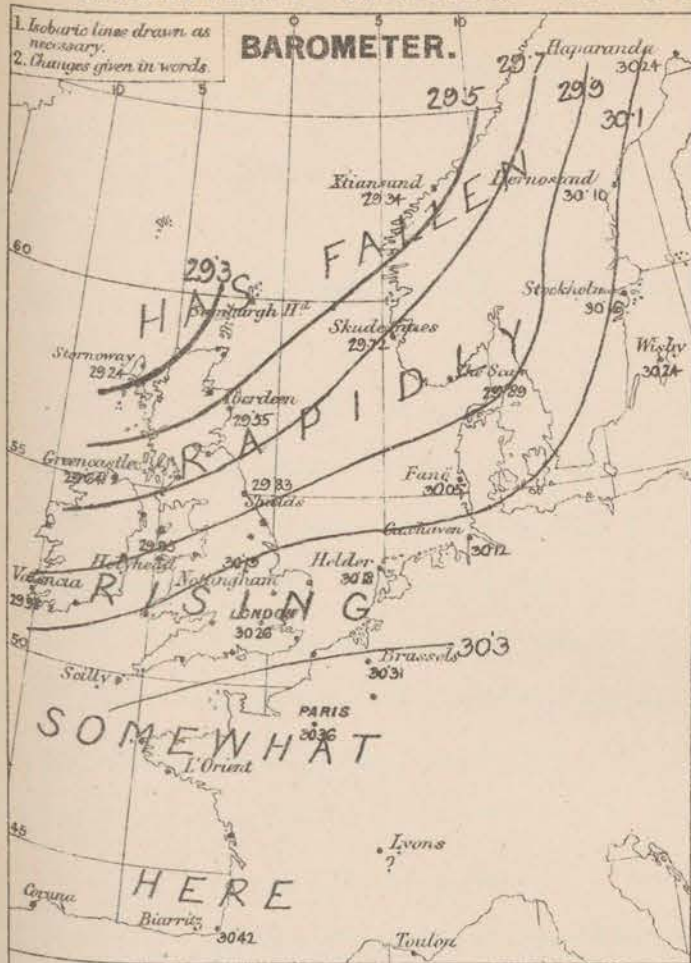
**WEATHER.**—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

WEATHER CHARTS for 8 a.m. on Saturday 3<sup>RD</sup> FEB<sup>Y</sup> 1877.



REMARKS. Yesterday afternoon a deep depression advanced on our northern coast from the Atlantic, causing the barometer to fall more than half an inch at the Scotch stations. Steep gradients were formed, so that the W. wind in the west, and the S. wind in the north and north east increased to a fresh or strong gale. The storm apparently subsided, passed on towards Norway, where the mercury is falling fast, with a strong S. wind, but in the north of these Islands the barometer is falling again this morning, though in the south and over France a recovery is in progress. The wind, which is generally W. over Ireland and S.W. over E. Britain, continues strong in force in the north and west, but is light in the Channel. Temperature has fallen several degrees over England, and to a less extent in all other parts of our Islands. In London the thermometer fell to 27° on the grass, and to 35° in the shade; it is, however, now rising quickly. The sky is clear in the south but is overcast in the north and north west, with rain at Aberdeen, and snow at Thurso. The sea is rough in the west, moderate to slight elsewhere.

Warnings were issued to our west, north and north east coasts yesterday.

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Meteorological Office,  
116, Victoria Street, Westminster, S.W.

**R. H. SCOTT.**  
Director.

# SUMMARY OF WEATHER IN WESTERN EUROPE

from JAN<sup>y</sup> 28<sup>th</sup> to FEB<sup>y</sup> 3<sup>rd</sup> 1877.

(Issued Weekly as a Supplement to the "Daily Weather Report.")

The weather during this week has been extremely unsettled. On the Sunday a deep depression lay off the Hebrides and strong W<sup>y</sup> to S<sup>y</sup> gales prevailed on our W<sup>m</sup> and NW Coast which lasted in Wales until the evening of Monday. On that night a very deep disturbance passed across the South of Scotland. The next morning it lay off our NE Coast and severe gales from N.W. and S.W. were experienced in different parts of our Islands. This depression travelled quickly Eastwards and the barometer rose very rapidly in its rear, but fresh though comparatively slight depressions appeared in the West giving us light SW<sup>y</sup> winds and rather unsettled weather until Friday. On that day an important disturbance passed across our NW Coast, and SW<sup>y</sup> gales which appear to have been met felt in the East of Scotland, set in. On Saturday a new disturbance lay off the Hebrides but it was unimportant, and passed away without much affecting our winds, while the weather in the evening cleared considerably. Temperatures, as will be seen has oscillated considerably, rain has been general and in some cases heavy.

JAN<sup>y</sup> 28<sup>th</sup> A very sudden and brisk fall of the barometer had occurred during the night at our more NW stations, while over France the mercury was steady or had risen slightly. In consequence gradients had become very steep on our coasts and strong W<sup>y</sup> winds were experienced in the W. with fresh S<sup>y</sup> gales in Scotland. Temperature had risen generally, but in the W. of Ireland a slight decrease had appeared with the W<sup>y</sup> wind. Rain had fallen at all our stations and continued in Scotland, while the sky was overcast except in some parts of Ireland and in the S. of France. During the day the depression travelled slowly from W. to E. a little to the NW of Scotland and during the night the W<sup>y</sup> winds rose to a hard gale in the W. of England.

JAN<sup>y</sup> 29<sup>th</sup> The centre of the depression lay off the W. Coast of Norway and the barometer was rising over the whole of NW Europe while it was falling fast in Sweden. Pressure exceeded 30.7 ins in the NW of Spain while it was as low as 28.8 ins at Christiansund so that gradients continued steep and the W<sup>y</sup> to NW<sup>y</sup> winds which prevailed over these Islands and France blew very strongly while over Scandinavia the winds were strong from S. Temperature had fallen except in Sweden and Norway the change being greatest (10°) over England. The weather was clear at our SE<sup>m</sup> stations and in the N.E. of France but was overcast elsewhere with snow in the N. During the day very little change occurred in the position of the disturbance, but owing to some slight oscillations in pressure in the W. the gale in Wales increased considerably.

JAN<sup>y</sup> 30<sup>th</sup> The disturbance noticed on the previous day still lay near Christiansund, but during the night a deep depression had advanced suddenly across Scotland and lay off our NE Coast when the mercury had fallen to 28.8 ins. The barometer had given way also in all other parts of NW Europe, but at Coruña pressure still exceeded 30.5 ins so that gradients remained very steep and fresh to strong gales prevailed from NW in Scotland, from W. in the N. of England, and from SW in the S. and over the Netherlands. Temperature had risen several degrees over England, and to a less extent generally, but in the W. a decrease was appearing. The sky was clearing at some of the NW stations, but elsewhere it was overcast with rain in the S. and snow in the N. The disturbance travelled from our E Coast across the North Sea during the day the winds veered suddenly, the change occurring in London at about 10 am. and severe W<sup>y</sup> gales were experienced at our E<sup>m</sup> stations, the

barometer at the same time rising rapidly.

JAN 31<sup>st</sup> The depression of the 30<sup>th</sup> lay over the Baltic, where apparently it was slowly falling up, and the barometer had risen in all parts of NW Europe, the change on our N.E. Coast amounting to over an inch in the 24 hours. In the N. of Ireland, however, a fresh decrease had set in, so that while light NW to NNW winds prevailed over England, France and the North Sea, at Valentia and Roche Point a fresh SE breeze was reported. Temperature had fallen except in the SW. The sky was clear in most places, but was overcast in the N. with rain at Valentia. During the day a slight depression started over NW coast, the sky became cloudy and the wind SE generally.

FEB 1<sup>st</sup> The barometer had risen briskly in the Countries to the E<sup>nd</sup> of the North Sea, the depression noticed over the Baltic having disappeared, but the decrease which had commenced on the N. on the 31<sup>st</sup> had extended to all our own and the French stations except Boulogne. A slight depression lay off our NW Coast, and the wind on our coast, was generally SW to S but over France NW breezes still held. Temperature had fallen fast in Sweden and slightly in Norway in Denmark, but elsewhere it had risen briskly. The sky was overcast except on the E<sup>nd</sup> shores of the North Sea. During the day the barometer rose generally but the distribution of pressure changed very little.

FEB 2<sup>nd</sup> The recovery noticed on the previous evening still continued at our more NW and E<sup>nd</sup> stations as well as on the Continent generally, but at our SW stations and particularly at Valentia the barometer was falling. The wind was N in the Baltic where temperature had fallen several degrees to below zero, but in all other parts of NW Europe it was SE, and though moderate or light in most places blew freshly in the SW. Temperature had risen over England and France, but fallen slightly in the N. and W. The weather was dull except in the N. of Scotland. In the afternoon the barometer was falling briskly in the NW, and by 6 pm. a very deep depression lay off the N. of Scotland, causing a decrease of more than half an inch at the Scotch stations, and a fresh NW gale in the W, with a strong S to W gale in the N.

FEB 3<sup>rd</sup> The disturbance of the previous evening lay off Christianaund, where the barometer had fallen nearly an inch. In its rear the mercury had recovered generally, but though the rise still held at 8 am over the greater part of England and Ireland, in Scotland the barometer was falling again. The wind was N in the S. of Ireland, and NW in France, but over Great Britain and the North Sea it was SW. It varied a good deal in force but was generally fresh except in the SE. Temperature had fallen over these Islands and France, but risen very quickly in Sweden. The sky was cloudy except at the SW and SE stations, rain was falling <sup>at Antwerp</sup> and snow at Thuro. Later Reports showed a rise of the mercury in the W. and a fall in the E.

# DAILY WEATHER REPORT FEB 4<sup>TH</sup> 1877.

STATIONS.	↑ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force, (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force, (0 to 12).			Max.	Min.		
Haparanda ...	29.98	19	S	4	f	29.77	-.47	17	?	0	S	4	o	*	*	*	-	
Hernösand ...	29.82	29	SSW	2	o	29.54	-.36	33	32	+ 9	SSW	6	o	*	*	*	0.04	
Stockholm ...	29.98	31	SSW	4	o	29.78	-.38	32	31	+ 8	SSW	6	o	*	*	*	-	
Wisby ...														*	*	*		
Christiansund ...	29.22	40	N	3	o	29.22	-.12	39	32	- 2	SW	7	b	5	41	32	1.06	
Skudesnaes ...	29.59	38	SSW	4	f	29.36	-.16	37	36	- 1	S	6	o	5	39	37	-	
Oxö (Xtiansand) ...	29.72	39	SW	8	c	29.68	-.14	34	33	- 2	SW	2	b	5	39	32	-	
Skagen (The Snaw) ...	29.86	36	WSW	6	f	29.76	-.13	35	35	+ 2	N	3	r	3	36	32	0.04	
Fanö ...	30.00	39	SW	4	o	29.85	-.20	38	38	+ 1	SW	3	b	*	39	36	0.16	
Cuxhaven ...	30.18	43	SSW	3	o	29.94	-.18	41	41	+ 4	SW	3	o	*	*	*	0.06	
Sumburgh Head																		
Stornoway	29.34	37	SW	8	S	29.68	+ .44	37	34	+ 2	WNW	4	b	5	37	32	0.25	
Thurso ...	29.34	34	SW	5	S	29.55	+ .21	37	35	+ 3	WN	5	o	5	38	32	0.30	
Wick ...	29.41	35	SW	4	c	29.66	+ .22	34	33	- 2	WN	4	o	4	37	32	0.10	
Nairn ...	29.37	34	WSW	3	o	29.49	+ .27	34	32	- 3	WSW	2	b	2	37	33	0.25	
Aberdeen ...	29.56	36	SW	2	f	29.66	+ .11	37	33	- 1	WSW	3	b	2	42	34	-	
Leith ...	29.68	40	WSW	5	b	29.79	+ .16	35	35	- 6	WSW	4	b	*	45	34	0.17	
Shields ...	29.80	40	WSW	3	b	29.86	+ .03	38	36	- 2	N	6	b	2	46	34	0.26	
York ...	29.93	40	WSW	3	b	29.97	-.04	37	36	- 3	N	1	b	*	48	34	0.11	
Scarborough ...	29.88	40	SW	3	b	29.93	-.05	37	36	- 1	WSW	2	b	2	46	34	0.06	
Nottingham ...	29.98	45	SSW	6	b	30.05	-.14	35	34	- 3	SW	2	b	*	48	33	-	
Ardrossan ...	29.73	41	SW	4	b	29.86	+ .19	42	39	+ 2	WN	4	c	3	44	39	0.09	
Greencastle ...	29.70	36	W	4	b	29.90	+ .26	37	36	+ 1	N	3	b	*	42	33	0.28	
Donaghadee ...	29.80	38	WSW	4	b	29.97	+ .22	34	34	- 7	WSW	4	b	3	43	33	0.02	
Kingstown ...	29.90	43	N	4	c	30.07	+ .18	39	36	- 6	N	5	b	4	48	38	0.08	
Holyhead ...	29.92	44	WSW	3	c	30.04	+ .09	41	39	- 3	N	5	b	4	50	40	0.05	
Liverpool (Bidston) ...	29.93	43	WSW	3	o	30.04	.05	41	38	- 2	N	5	c	3	49	39	0.15	
Valencia ...	29.98	46	N	5	o	30.25	+ .27	43	40	- 4	WN	3	o	3	49	39	0.18	
Roche's Point... ..	30.03	44	N	5	b	30.20	+ .20	40	37	- 8	WNW	4	b	3	51	38	0.17	
Pembroke ...	30.02	43	N	7	b	30.14	+ .01	44	41	- 4	WNW	5	b	3	49	42	0.06	
Portishead ...	30.07	46	WSW	6	c	30.13	-.09	40	38	+ 1	N	3	b	4	50	36	0.30	
Scilly ...																		
Plymouth ...	30.16	48	SW	4	od	30.22	-.05	40	40	- 3	SW	3	c	*	51	39	0.25	
Hurst Castle ...	30.16	49	WSW	4	b	30.12	-.15	45	44	- 2	WNW	6	b	5	49	43	0.09	
Dover ...	30.19	42	WSW	3	b	30.07	-.20	43	41	+ 4	N	6	c	2	47	38	0.08	
London ...	30.15	47	SW	3	b	30.08	-.18	40	40	+ 3	N	3	c	*	51	36	0.04	
Oxford ...	*	*	*	*	*	30.09	-.12	39	38	+ 1	WSW	2	b	*	49	38	0.04	
Cambridge ...	30.17	46	SSW	3	c	30.06	-.18	39	38	+ 6	SSW	2	c	*	49	?	-	
Yarmouth ...	30.07	42	WSW	3	b	30.04	-.18	38	38	+ 2	N	3	b	2	45	35	-	
The Helder ...	*	*	*	*	*	29.95	-.23	44	43	+ 1	SW	1	c	*	*	*	0.04	
Cape Gris Nez	30.20	48	SW	4	o	30.10	-.19	45	43	0	WNW	5	c	4	48	43	0.20	
Brest ...	?	30	N	4	o	?	?	48	45	0	WN	4	b	5	52	43	0.04	
L'Orient ...	30.38	48	N	5	o	30.36	-.06	48	45	+ 2	WN	4	m	5	52	43	0.04	
Rochefort ...	30.38	54	N	2	b	30.39	-.02	48	46	+ 2	WSW	4	b	4	?	41	-	
Biarritz ...	30.41	57	N	2	c	30.44	+ .02	48	45	- 2	SE	3	o	5	?	41	0.08	
Corunna ...	*	*	*	*	*									*	*	*	*	
Brussels ...	*	*	*	*	*	30.11	-.20	43	*	+ 3	WSW	3	b	*	*	*	0.08	
Charleville ...	*	*	*	*	*	?	?	41	*	+ 2	SSW	1	p	*	*	*	*	
Paris ...	30.33	46	WSW	2	o	30.24	-.12	44	*	+ 2	SW	3	c	*	*	*	-	
Lyons ...	*	*	*	*	*	?	?	49	*	0	WN	2	o	*	*	*	*	
Toulon ...	30.29	48	SW	2	c	30.31		45	43		N	1	c	3	52	43	-	

## YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.		Wes.	Sea.		Bar.	Dry.	Wet.	Wind.		Wes.	Sea.
Skudesnaes ...	29.58	39	38	S	9	rf	8	Valencia .....	30.00	47	44	N	5	cp	5
Thurso .....	29.37	35	33	SSW	4	c	4	Seilly .....							
Scarborough ...	29.87	46	45	WSW	5	c	4	London .....	30.20	48	44	SW	3	bc	*
Greencastle ...	29.69	44	37	WSW	4	b	*	Rocheport ...	30.36	57	52	N	2	b	od
Holyhead .....	29.93	46	45	SW	6	cp	5								

*The barometer has been very unsteady at the Western stations during the morning, though the changes have not been large. Very strong S.W. winds are blowing in Wales, and moderate W. winds in Ireland.*

## EXPLANATION OF COLUMNS.

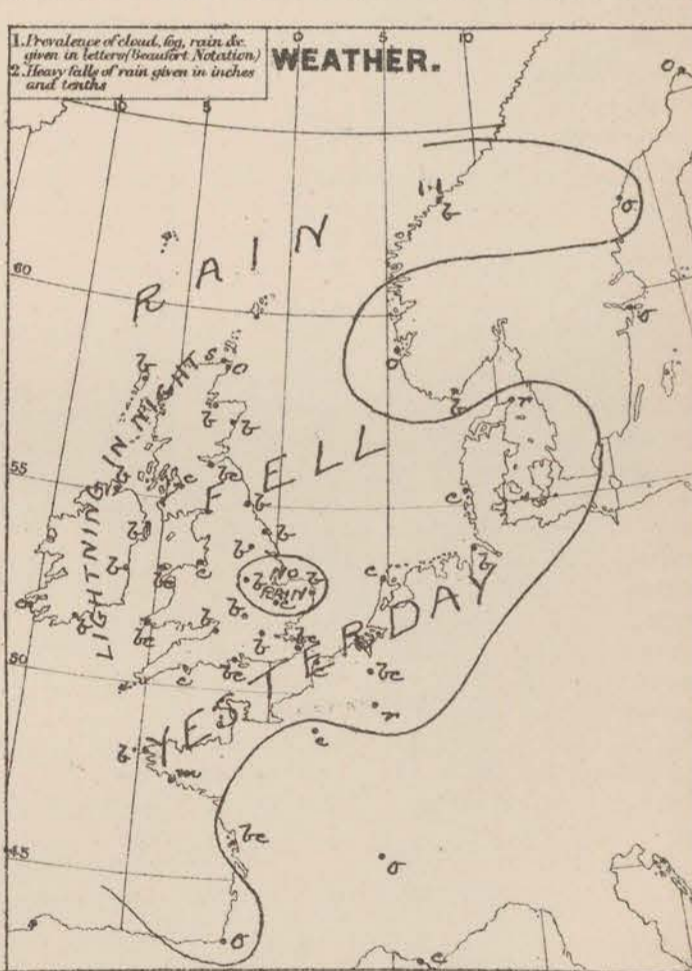
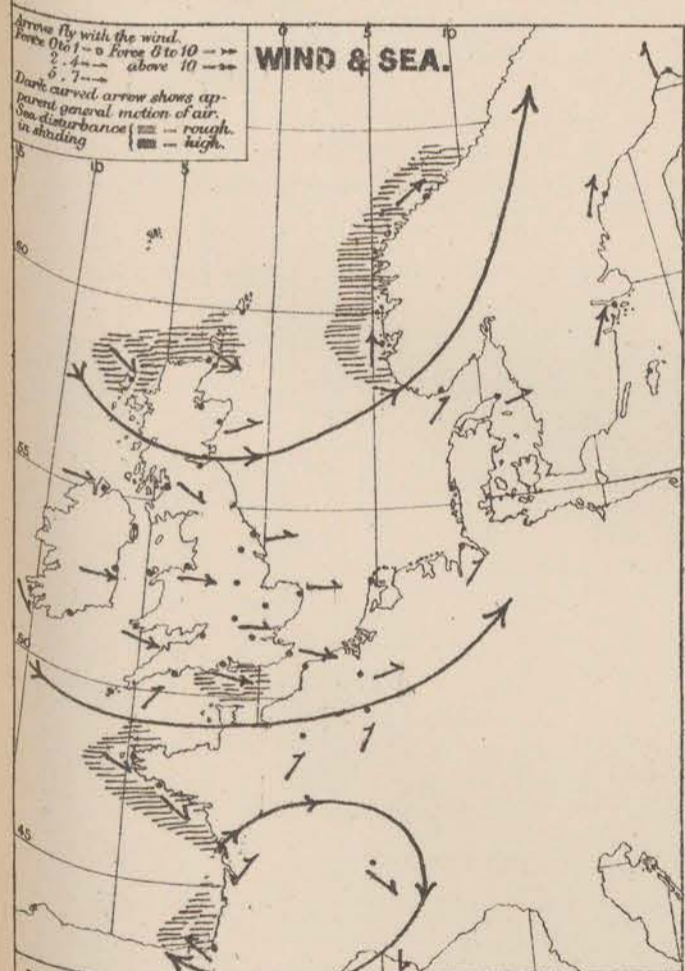
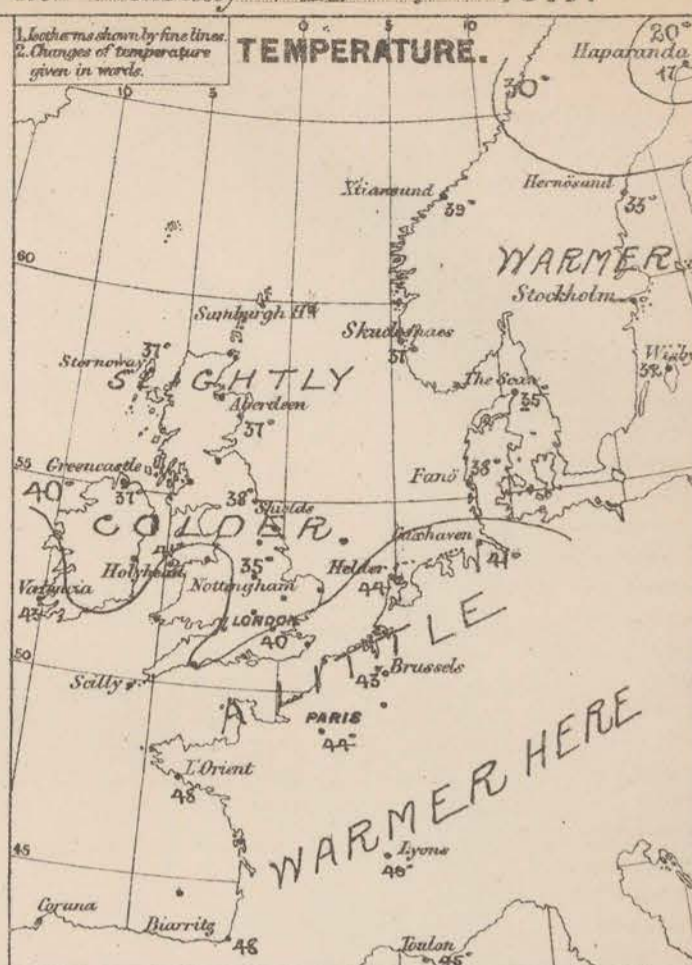
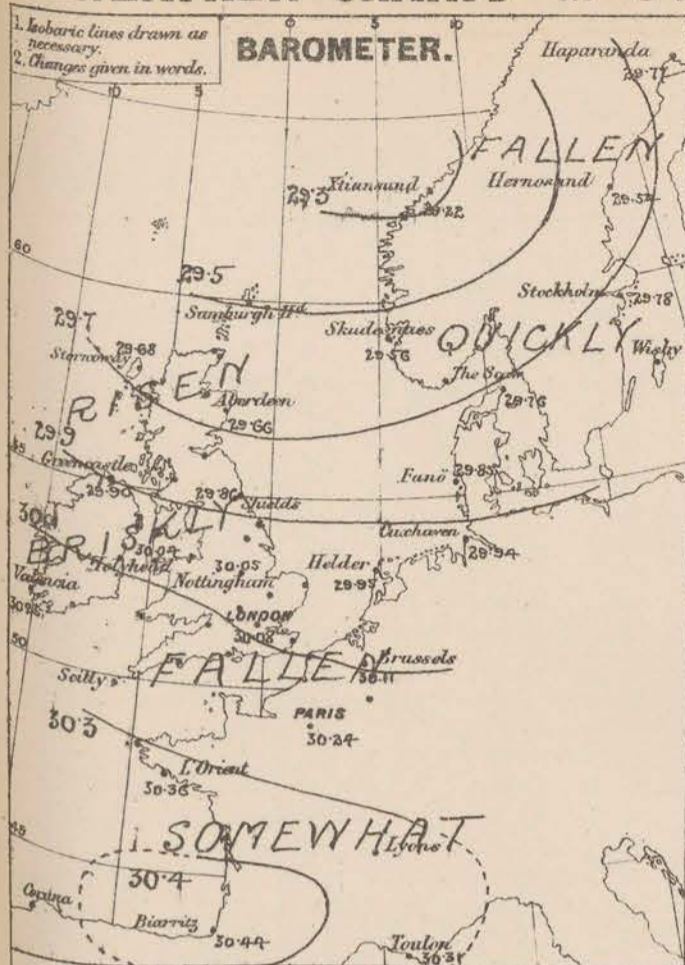
**WEATHER.**—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

N.B.—The wind is said to "veer" when its direction changes with the sea, and to "back" when it shifts in the opposite direction.

WEATHER CHARTS for 8 a.m. on Sunday FEBY 4<sup>TH</sup> 1877.



REMARKS. Since the storm of Friday night has passed away to the NE<sup>W</sup>, the barometer has risen steadily, and the amount of change being greater in the W. and N. than elsewhere. The pressure has become more uniform than of late. The wind has veered to the W<sup>W</sup> or NW<sup>W</sup> very generally, and moderated. Temperature has fallen slightly except in the SE, and over France, where it has risen a little. A few showers of snow and hail have fallen in the extreme N. and some rain in most places. Lightning was observed in the W. and NW. last night. The weather generally has a quieter and finer appearance than has been lately experienced. The sea is rough in the extreme N. and in the Bay of Biscay, moderate elsewhere.

# DAILY WEATHER REPORT FEB 5<sup>th</sup> 1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 320 F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12).		Reading at 320 F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	29.56	25	SE	6	S	29.56	-.21	25	25	+ 8	Z	0	o	*	*	*	0.39	
Hernösand ...	29.53	27	S	2	b	29.65	+ .11	13	13	- 20	Z	0	b	*	*	*	-	
Stockholm ...	29.69	31	SSW	4	o	29.74	-.04	32	?	0	SW	2	o	*	*	*	-	
Wisby ...	29.84	34	SW	4	o	29.95	?	?	?	0	ENE	5	f	*	*	*	0.47	
Christiansund ...	29.92	34	WSW	5	S	29.45	+ .23	39	35	0	SW	6	o	8	39	30	-	
Skudesnaes ...	29.83	34	NNW	2	b	29.73	+ .17	37	36	0	SSE	6	ff	6	37	34	-	
Oxö (Xtiansand) ...	29.67	34	WSW	4	b	29.93	+ .25	37	36	+ 3	WSW	4	c	3	?	32	-	
Skagen (The Scaw) ...	29.80	35	NNW	4	b	29.98	+ .22	35	34	0	NN	2	o	2	37	32	0.04	
Fanö ...	30.03	36	N	4	b	30.44	+ .29	37	36	- 1	WSW	2	c	*	39	34	0.04	
Cuxhaven ...	30.04	44	N	2	c	30.25	+ .31	35	35	- 6	WSW	2	b	*	?	?	0.05	
Sumburgh Head																		
Stornoway	29.81	39	SW	4	o	29.66	-.02	42	40	+ 5	SW	3	b	5	44	34	0.50	
Thurso ...	29.81	36	SW	2	b	29.37	+ .02	44	43	+ 7	NNW	5	f	4	46	34	0.11	
Wick ...	29.83	36	SW	4	b	29.58	-.09	43	42	+ 9	SW	4	r	3	43	32	0.09	
Nairn ...	29.91	37	WSW	1	b	29.66	-.03	43	41	+ 9	WSW	4	o	2	43	34	0.02	
Aberdeen ...	29.93	37	WSW	1	b	29.69	+ .03	43	40	+ 6	SW	4	b	1	44	36	-	
Leith ...	30.03	40	N	2	b	29.92	+ .10	45	43	+ 10	WSW	6	b	*	46	34	-	
Shields ...	30.12	39	N	1	b	30.02	+ .16	44	41	+ 6	WSW	4	om	2	44	38	-	
York ...	30.18	40	NNW	2	b	30.14	+ .17	42	40	+ 5	SW	1	o	*	47	36	-	
Scarborough ...	30.16	39	N	2	b	30.11	+ .18	40	39	+ 3	SW	3	o	2	45	36	-	
Nottingham ...	30.26	39	NNW	2	b	30.24	+ .19	39	38	+ 4	SSW	3	o	*	46	32	0.03	
Ardrossan ...	30.09	44	WSW	3	o	29.95	+ .09	45	44	+ 3	WSW	5	og	5	47	38	0.31	
Greencastle ...	30.07	41	WSW	2	b	29.93	+ .03	44	44	+ 7	SW	3	o	*	46	36	0.02	
Donaghadee ...	30.16	39	SSW	3	b	30.03	+ .06	43	43	+ 9	S	3	b	2	43	34	-	
Kingstown ...	30.24	43	S	2	b	30.13	+ .06	43	46	+ 9	WSW	4	o	3	48	38	-	
Holyhead ...	30.23	43	WSW	2	b	30.15	+ .11	47	46	+ 6	SW	4	o	3	48	40	-	
Liverpool (Bidston) ...	30.23	42	N	3	b	30.16	+ .15	45	43	+ 4	SW	3	o	3	45	39	-	
Valencia ...	30.29	46	WSW	3	o	30.11	-.14	50	50	+ 7	SW	5	od	4	57	42	0.11	
Roche's Point ...	30.30	45	WSW	3	b	30.19	-.01	49	49	+ 9	SW	5	ff	4	49	40	0.10	
Pembroke ...	30.31	46	NNW	4	b	30.26	+ .12	48	47	+ 4	SW	3	om	4	48	43	0.03	
Portishead ...	30.21	43	N	3	b	30.32	+ .19	42	40	+ 2	SSW	3	o	3	47	37	-	
Scilly ...																		
Plymouth ...	30.38	44	NNW	3	b	30.36	+ .14	47	46	+ 7	SW	2	o	*	52	39	-	
Hurst Castle ...																		
Dover ...	30.30	43	NNW	2	b	30.38	+ .31	39	38	- 4	WSW	2	b	1	45	36	-	
London ...	30.30	44	NN	2	b	30.36	+ .28	39	38	- 1	SSW	2	o	*	48	33	-	
Oxford ...	*	*	*	*	*	30.33	+ .24	39	38	0	SW	1	o	*	46	33	-	
Cambridge ...	30.27	40	NNW	2	b	30.31	+ .25	36	35	- 3	SW	1	o	*	47	31	-	
Yarmouth ...	30.19	39	NNW	2	b	30.28	+ .27	36	35	- 2	SW	2	f	2	44	35	-	
The Helder ...	*	*	*	*	*	30.29	+ .34	42	40	- 2	SW	2	b	*	*	*	-	
Cape Gris Nez ...	30.30	45	NNW	4	b	30.39	+ .29	45	43	0	N	3	c	2	46	41	-	
Brest ...	?	32	NNW	3	o	?	?	48	45	0	SW	3	o	4	52	45	-	
L'Orient ...	30.47	48	NNW	3	c	30.47	+ .11	46	43	- 2	SSW	3	o	4	52	45	-	
Roche fort ...	30.45	52	NNW	4	b	30.47	+ .08	43	41	- 5	SSE	2	o	3	55	41	-	
Biarritz ...	30.50	59	Z	0	c	30.44	00	39	37	- 9	E	2	b	7	?	36	0.04	
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	30.44	+ .33	35	*	- 8	WSW	3	c	*	*	*	0.13	
Charleville ...	*	*	*	*	*	30.49	?	30	*	- 11	WSW	1	b	*	*	*	*	
Paris ...	30.34	43	NN	3	b	30.50	+ .26	33	*	- 11	N	2	b	*	*	*	0.04	
Lyons ...	*	*	*	*	*	?	?	45	*	- 4	N	2	b	*	*	*	*	
Toulon ...	30.20	45	NNW	5	b	30.22	- .08	39	34	- 6	NNW	5	b	5	52	?	-	

## YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.71	35	33	28	4	0	5	Valencia .....							
Thurso .....								Scilly .....							
Scarborough ...								London .....					*		
Greencastle ...						*		Rochefort ...	30.38	55	52	21	5	be	3
Holyhead .....															

## EXPLANATION OF COLUMNS.

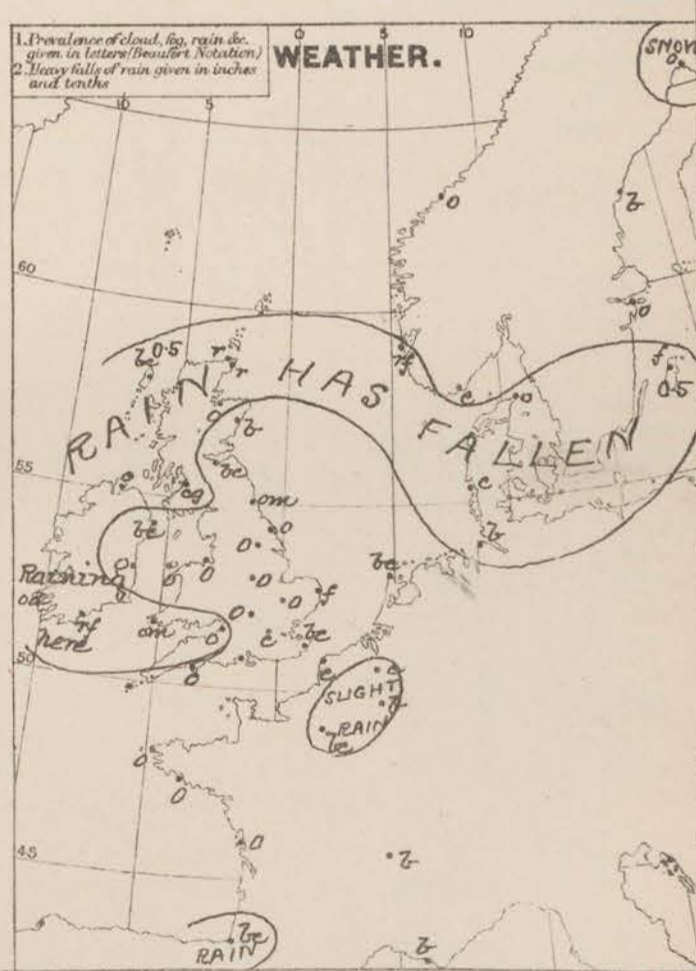
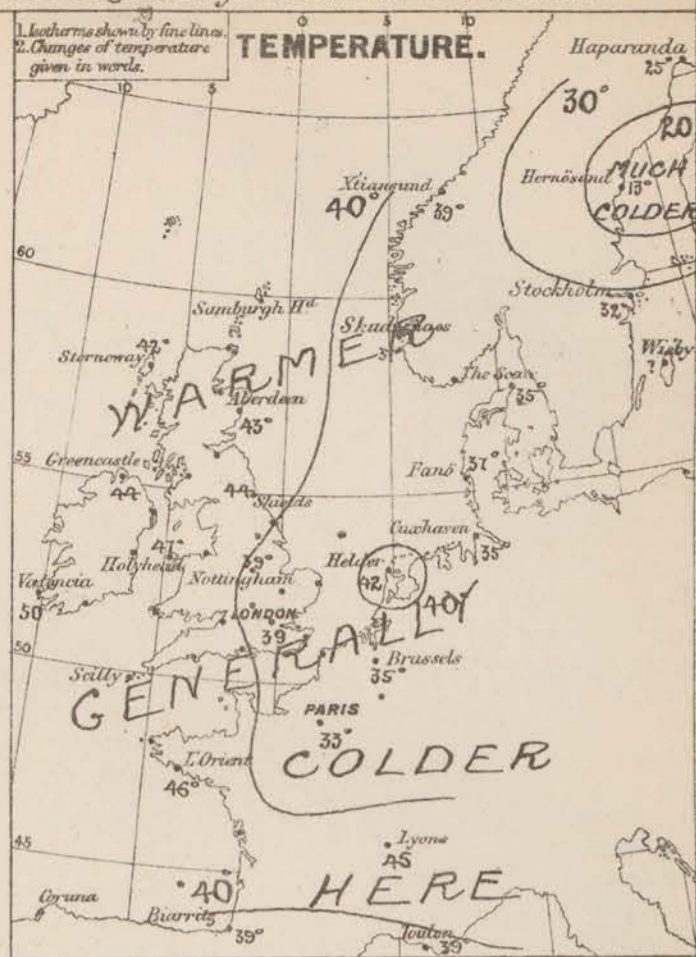
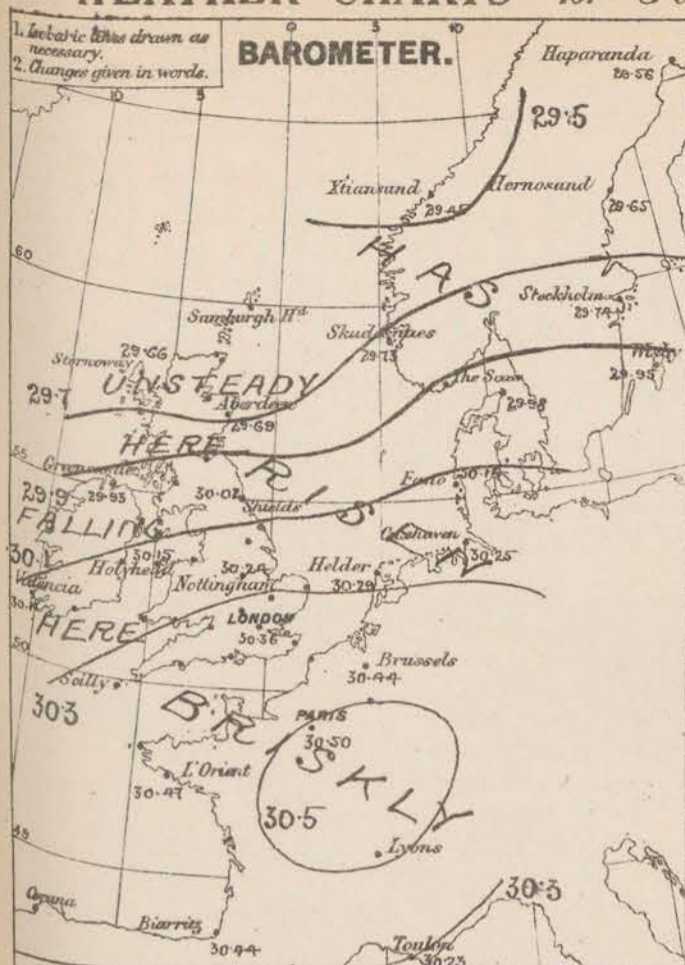
**WEATHER.**--Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

WEATHER CHARTS for 8 a.m. on *Mon-day Feb<sup>y</sup> 5<sup>th</sup> 1877.*



Note A dotted line is drawn round the events where the signals are up.

REMARKS. During the past 48 hours the barometer has become high over France and the S parts of our Islands, but is very unsteady at the N<sup>e</sup> stations, and is now falling somewhat briskly in Ireland. Rather steep gradients for W<sup>e</sup> winds already prevail over the United Kingdom and North Sea. The wind is very fresh from the W<sup>e</sup> in Scotland this morning, but moderate from SW in Ireland, and light from the same quarter in England. In the N. of France it is light from W, while in the SW-Departments it is SE. Temperature is increasing generally. It was low over Central England last night, having fallen to 51° at Cambridge, and 33° at Oxford, in London, while in the south it went down to 24°. The sky, after being clear generally yesterday, has become cloudy this morning - especially in the W, and rain is falling at Valentia and Rocks Pt. as well as in Caithness. The sea runs very high over the W. coast of Norway, and is rather rough off the W. of Scotland. Warmings sent to our NW, N, and NE. coasts.

Subscription for these Charts payable in advance to cover delivery. Delivery by hand 4/- per quarter, book post 5/- per quarter.

*Meteorological Office,  
116, Victoria Street, Westminster, S.W.*

**R. H. SCOTT.**  
Director.

# DAILY WEATHER REPORT FEB 6<sup>TH</sup> 1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.			
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.			
Haparanda ...														*	*	*			
Hernösand ...														*	*	*			
Stockholm ...														*	*	*			
Wisby ...														*	*	*			
Christiansund ...	29.41	33	N	9	e	29.73	+ .28	35	31	-	4	NNN	9	e	8	39	28	-	
Skudesnaes ...	29.78	37	SW	5	v	29.96	+ .20	33	31	-	4	E	2	b	3	39	?	0.35	
Oxö (Xtiansund) ...	29.64	40	WSW	14	b	29.81	+ .03	33	30	-	4	WSW	4	b	3	?	28	-	
Skagen (The Sound) ...	29.65	37	WSW	6	.	29.91	- .07	35	32	0		NNN	4	b	4	41	32	0.04	
Fanö ...	29.96	39	N	14	b	30.09	- .05	37	36	0		N	4	b	*	39	36	0.16	
Cuxhaven ...	30.44	45	SW	5	T	30.44	- .11	38	38	+	3	SW	2	b	*	4	34	0.07	
Sumburgh Head ...																			
Stornoway ...	29.96	37	NNN	1	b	29.68	+ .02	46	46	+	4	SW	7	T	6	46	33	0.13	
Thurso ...	29.92	41	WSW	2	b	29.74	+ .17	40	39	-	4	S	2	T	3	47	39	0.08	
Wick ...	?	37	NN	2	b	29.77	+ .19	43	42	0		S	3	T	2	46	34	0.04	
Nairn ...	30.00	38	Z	0	b	29.83	+ .17	45	43	+	2	WSW	1	e	2	45	35	0.02	
Aberdeen ...	29.98	42	NNN	1	b	29.89	+ .20	40	39	-	3	SSW	5	c	1	49	35	-	
Leith ...	30.01	44	WSW	2	b	29.97	+ .05	47	46	+	2	WSW	3	0	*	51	40	-	
Shields ...	30.12	47	N	1	b	30.07	+ .05	46	44	+	2	SW	3	om	1	51	44	-	
York ...	30.12	47	SW	1	o	30.16	+ .02	46	46	+	4	SSW	1	o	*	49	41	0.08	
Scarborough ...	30.09	46	WSW	1	b	30.13	+ .02	43	43	+	3	SW	1	f	1	47	39	0.02	
Nottingham ...	30.19	47	S	4	T	30.22	- .02	47	46	+	8	S	4	b	*	48	39	0.03	
Ardrossan ...	30.06	46	N	1	c	30.01	+ .06	47	46	+	2	SSW	3	0	3	49	45	0.09	
Greencastle ...	30.05	47	N	2	o	29.95	+ .02	48	47	+	4	N	2	0	*	49	43	0.03	
Donaghadee ...	30.10	46	WSW	3	b	30.03	00	48	48	+	5	WSW	4	c	3	50	43	-	
Kingstown ...	30.14	51	NNN	3	c	30.12	- .01	52	50	+	4	N	4	0	3	53	47	0.01	
Holyhead ...	30.12	49	SW	2	m	30.15	00	49	49	+	2	SSW	3	f	2	50	47	0.01	
Liverpool (Bidston) ...	30.14	48	WSW	2	p	30.16	00	48	47	+	3	S	2	b	1	51	47	0.07	
Valencia ...	30.19	50	WSW	4	c	30.16	+ .05	50	50	0		SW	5	og	3	53	48	0.05	
Roche's Point... ..	30.24	50	WSW	4	T	30.21	+ .02	50	49	+	1	N	3	o	3	52	49	0.08	
Pembroke ...	30.24	50	WSW	4	b	30.25	- .01	49	49	+	1	SW	3	of	3	50	47	0.02	
Portishead ...	30.29	46	SSW	4	T	30.28	- .04	48	48	+	6	NN	4	m	3	49	39	0.02	
Scilly ...																			
Plymouth ...	30.33	50	SW	2	o	30.33	- .03	50	50	+	3	N	2	op	*	52	45	0.02	
Hurst Castle ...	30.33	49	WSW	5	o	30.33		49	49			WSW	4	om	3	49	38	0.03	
Dover ...	30.33	42	N	3	c	30.30	- .08	48	47	+	9	WSW	3	b	2	48	39	0.02	
London ...	30.39	47	WSW	3	st	30.30	- .06	49	48	+	19	WSW	2	c	*	50	39	-	
Oxford ...	*	*	*	*	*	30.28	- .05	48	48	+	9	SW	1	T	*	53	39	0.01	
Cambridge ...	30.22	47	SW	2	o	30.26	- .05	47	47	+	11	SW	1	o	*	51	35	0.01	
Yarmouth ...	30.20	45	WSW	3	b	30.25	- .05	47	47	+	11	N	1	of	3	47	35	0.03	
The Helder... ..	*	*	*	*	*	30.21	- .08	45	44	+	3	Z	0	o	*	*	*	0.04	
Cape Gris Nez ...	30.34	46	WSW	5	o	30.32	- .07	48	48	+	3	N	4	c	3	48	45	0.04	
Brest ...	?	52	SW	3	o	?	?	52	48	+	4	SW	3	o	4	52	46	-	
L'Orient ...	30.47	48	N	3	c	30.49	+ .02	48	46	+	2	WSW	3	b	3	54	45	-	
Rocheport ...	30.45	50	SE	2	b	30.37	+ .04	43	41	0		S	2	o	3	57	36	-	
Biarritz ...	30.40	54	NE	3	o	30.54	+ .10	39	37	0		ESE	2	b	4	?	34	-	
Corunna ...	*	*	*	*	*											*	*	*	
Brussels ...	*	*	*	*	*	30.30	- .14	40	*	+	8	WSW	3	T	*	*	*	0.14	
Charleville ...	*	*	*	*	*	30.31	- .18	39	*	+	9	SW	1	T	*	*	*	*	
Paris ...	30.46	41	SW	3	b	30.44	- .06	43	*	+	10	WSW	3	o	*	*	*	-	
Lyons ...	*	*	*	*	*	?	?	42	*	+	3	NE	2	c	*	*	*	*	
Toulon ...	30.32	46	N	3	b	30.42	+ .19	45	37	+	6	N	2	b	3	54	39	-	

## YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.
Skudesnaes ...	29.65	39	39	WNW	6	ef	Valencia ...	30.16	52	52	N	3	om
Thurso ...	29.82	44	42	WNW	4	b	Scilly ...						
Scarborough ...	30.06	47	46	WSW	2	o	London ...	30.81	50	47	WSW	3	*
Greencastle ...	30.00	48	47	N	2	c	Rocheport ...	30.47	54	52	SSE	2	b
Holyhead ...	30.12	50	49	SW	5	om							

The barometer has begun to rise again slowly in Ireland but has fallen elsewhere. The wind has drawn into N. again on the Irish coast but remains light at present with dull weather.

## EXPLANATION OF COLUMNS.

**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.

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.



# DAILY WEATHER REPORT FEB 7<sup>TH</sup> 1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dirco.	Force (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 3 A.M. yesterday.	Dry.	Wet.	Difference from 3 A.M. yesterday.	Dirco.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	29.48	24	S	2	o	29.69	+ .28	?	?	?	ENE	?	?	*	*	*	?	
Hernösand ...	29.60	25	S	2	6	29.58	+ .12	5	5	- 20	NN	2	bc	*	*	*	-	
Stockholm ...	29.70	27	WSN	3	6	29.60	+ .04	21	20	- 11	Z	0	f	*	*	*	-	
Wisby ...	29.63	32	WSN	4	6	29.60	- .03	29	29	- 6	S	4	bc	*	*	*	-	
Christiansund ...	29.50	35	SSE	5	o	29.34	- .16	39	38	+ 4	WSN	6	r	5	39	30	-	
Skudesnaes ...	29.61	38	SSE	6	r	29.60	- .01	38	38	+ 5	NNN	2	f	4	?	34	-	
Oxö (Klansand) ...	29.75	36	E	4	r	29.55	- .20	39	37	+ 6	WSN	4	6	2	?	34	-	
Skagen (The Beaw) ...	29.82	35	WSN	3	o	29.50	- .32	35	34	0	NNW	4	o	2	37	32	0.28	
Fanö ...	29.88	40	SN	4	r	29.73	- .15	41	41	+ 4	W	4	o	*	41	36	0.24	
Cuxhaven ...	30.12	46	SN	4	o	29.83	- .29	44	44	+ 6	W	6	r	*	?	36	0.06	
Sumburgh Head ...																		
Stornoway ...	29.60	48	WSN	4	r	29.70	+ .10	41	40	- 5	WSN	4	c	4	50	39	0.36	
Thurso ...	29.55	48	SN	2	r	29.68	+ .13	41	40	- 1	WSN	2	c	2	51	39	0.30	
Wick ...	29.60	48	NN	4	o	29.70	+ .10	41	39	- 2	WSN	2	bc	1	49	39	0.21	
Nairn ...	29.59	49	WSN	4	o	29.75	+ .16	41	38	- 4	WSN	2	6	2	52	40	0.09	
Aberdeen ...	29.67	49	SN	2	c	29.77	+ .10	41	38	+ 1	SN	1	6	1	50	40	-	
Leith ...	29.79	52	WSN	3	o	29.85	+ .06	46	45	- 1	WSN	3	c	*	55	45	-	
Shields ...	29.93	51	SN	5	6	29.90	- .03	48	47	+ 2	W	1	o	2	53	46	0.01	
York ...	30.05	52	SN	1	o	29.96	- .09	51	50	+ 5	W	2	c	*	53	45	0.02	
Scarborough ...	30.08	51	WSN	2	o	29.91	- .17	50	50	+ 7	WSN	1	m	1	54	43	0.03	
Nottingham ...	30.11	52	S	4	o	30.04	- .07	53	51	+ 6	SN	4	o	*	53	46	-	
Ardrossan ...	29.86	49	SN	4	r	29.92	+ .06	48	46	+ 1	W	4	r	3	50	46	0.15	
Greencastle ...	29.85	48	SN	2	o	29.91	+ .06	45	44	- 3	W	3	o	*	51	45	0.16	
Donaghadee ...	29.94	48	WSN	4	o	29.98	+ .04	46	46	- 2	WSN	3	o	2	52	46	0.16	
Kingstown ...	30.04	50	WSN	3	c	30.06	+ .02	52	50	0	NNN	4	o	3	57	50	0.01	
Holyhead ...	30.06	49	SN	5	m	30.04	- .02	50	49	+ 1	W	3	cm	3	51	48	0.01	
Liverpool (Bidston) ...	30.04	50	SN	4	6	30.01	- .03	49	49	+ 1	W	6	o	3	54	48	0.02	
Valencia ...	30.11	53	WSN	5	o	30.12	+ .01	50	50	0	W	1	cmg	1	55	49	0.17	
Roche's Point...	30.19	49	W	4	r	30.14	- .05	52	51	+ 2	W	4	o	3	52	49	0.11	
Pembroke ...	30.21	49	SN	5	o	30.12	- .09	51	50	+ 2	WSN	6	o	4	51	48	0.01	
Portishead ...	30.23	49	SN	5	o	30.16	- .07	50	49	+ 2	WSN	7	bc	5	52	45	0.02	
Scilly ...																		
Plymouth ...	30.30	50	W	2	o	30.26	- .04	51	50	+ 1	NNN	2	o	*	55	49	0.01	
Hurst Castle ...	30.26	50	SN	5	o	30.21	- .05	50	50	+ 1	WSN	5	cy	4	51	48	0.01	
Dover ...	30.26	48	WSN	4	o	30.17	- .09	49	48	+ 1	WSN	3	o	3	51	47	0.02	
London ...	30.22	53	WSN	3	o	30.15	- .07	52	51	+ 3	WSN	3	c	*	53	49	0.01	
Oxford ...	*	*	*	*	*	30.11	- .11	52	50	+ 4	WSN	2	o	*	54	48	0.07	
Cambridge ...	30.17	51	SN	3	c	30.07	- .10	52	50	+ 5	SN	3	o	*	54	46	-	
Yarmouth ...	30.14	50	WSN	3	6	30.09	- .05	51	50	+ 4	W	4	cm	2	52	46	-	
The Elder...	*	*	*	*	*	29.97	- .24	47	47	+ 2	SW	3	p	*	*	*	0.12	
Cape Gris Nea ...	30.24	48	WSN	5	f	30.19	- .05	50	48	+ 2	WSN	5	f	4	50	48	0.04	
Brest ...	?	?	W	3	m	?	?	52	50	0	W	3	o	3	52	48	-	
L'Orient ...																		
Rocheport ...	30.57	50	WSN	3	c	30.49	- .08	50	48	+ 7	SN	3	o	3	54	37	-	
Biarritz ...	30.54	52	NNE	1	o	30.56	+ .02	57	54	- 2	ENE	1	6	3	?	52	-	
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	30.17	- .13	49	*	+ 6	SN	6	o	*	*	*	0.06	
Charleville ...	*	*	*	*	*	?	?	44	*	+ 5	W	3	f	*	*	*	*	
Paris ...	30.43	49	SN	3	o	30.37	- .06	46	*	+ 3	SN	3	o	*	*	*	-	
Lyons ...	*	*	*	*	*	?	?	45	*	+ 3	SE	2	f	*	*	*	*	
Toulon ...	30.37	46	NN	2	6	30.38	+ .01	43	41	- 2	Z	0	6	3	50	?	-	

## YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.	Wet.	Sea.		Bar.	Dry.	Wet.	Wind.	Wet.	Sea.		
Skudeaues ...	29.76	34	33	SE	6	sf	5	Valencia .....	30.14	52	51	WSW	5	ogm	4
Thurso .....	29.58	49	48	SSW	2	p	9	Scilly .....							
Scarborough ...	29.99	51	49	WSW	2	o	2	London .....	30.25	53	52	WSW	2	od	*
Greencastle ...	29.88	51	49	W	2	o	4	Rocheport ...	30.50	52	52	SE	2	6	2
Holyhead .....	30.09	50	49	SSW	5	m	4								

The barometer has continued to fall fast in the North of Scotland, and to a less extent on our NE Coast, but is now inclined to rise again in Ireland where the wind has veered to W.

## EXPLANATION OF COLUMNS.

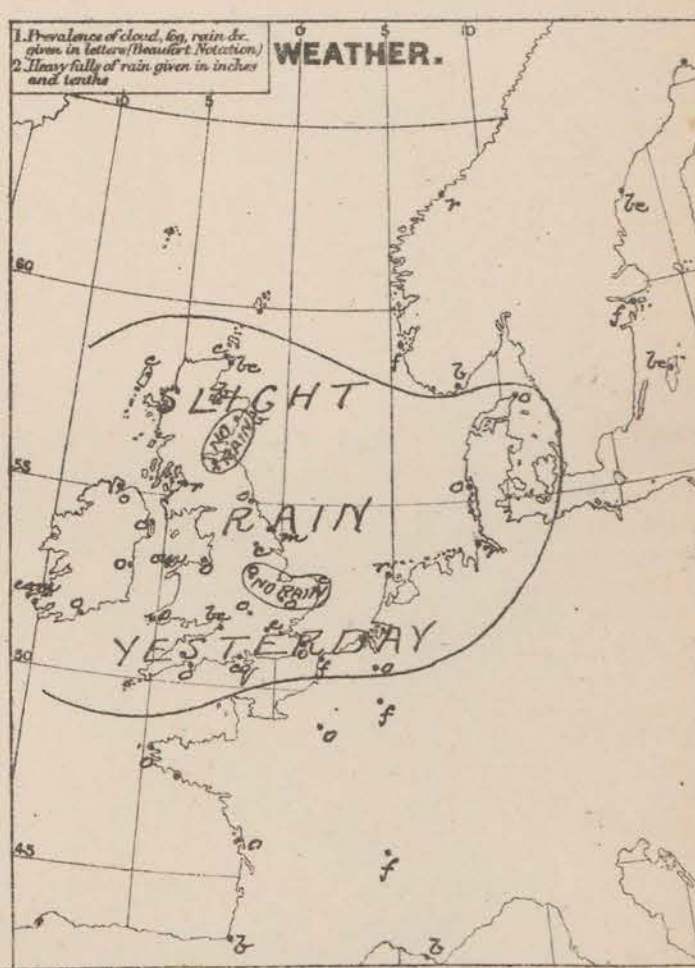
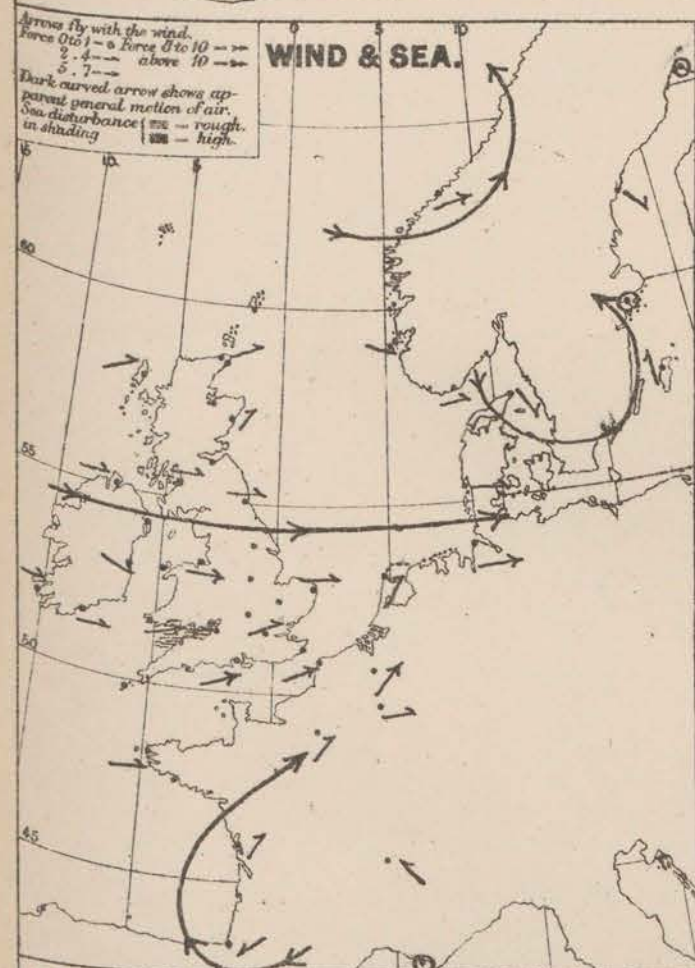
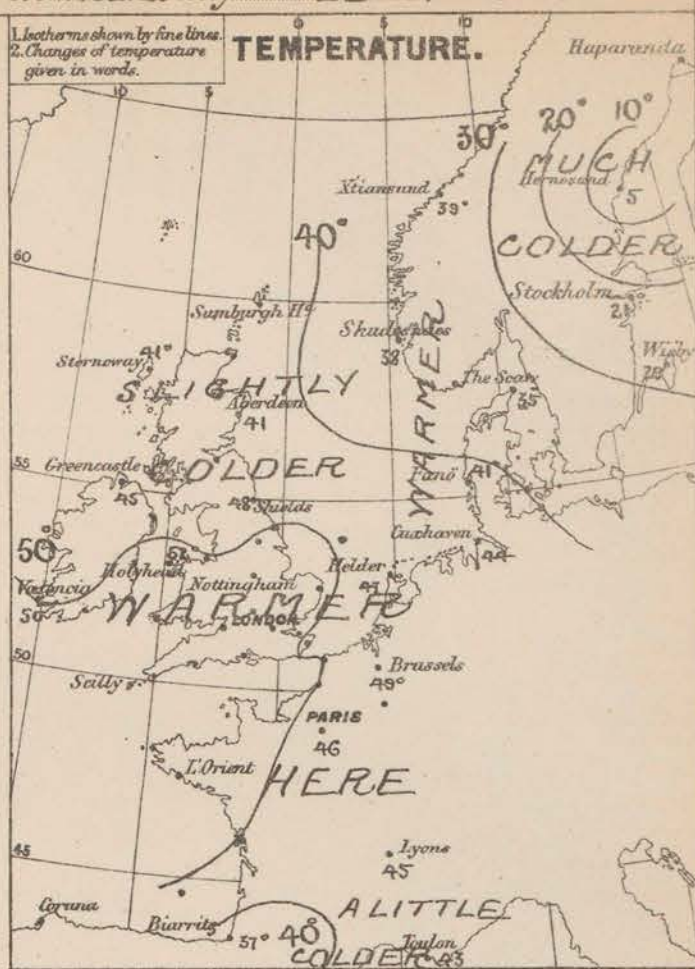
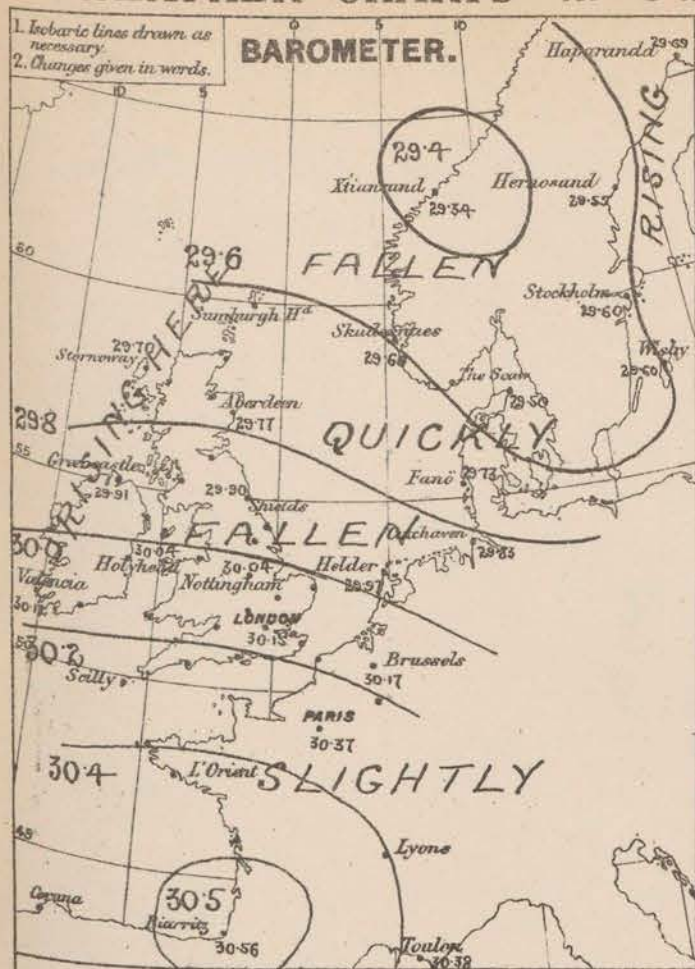
**WEATHER.**--Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

WEATHER CHARTS for 8 a.m. on Wednesday FEB<sup>y</sup> 7<sup>th</sup> 1877.



REMARKS. The decrease of pressure noticed in Scotland yesterday has like (Nine) which preceded it passed E<sup>W</sup> to the Norwegian coast, where the barometer has fallen to 29.25 in: while a recovery has taken place at our N<sup>W</sup> ports in the night. The highest readings still lie over the S<sup>W</sup> of France, and moderate gradients for W. winds prevail over the United Kingdom and North Sea. W. breezes consequently prevail over nearly the whole of NW Europe, and vary in force from a light to a fresh breeze, with squalls in some places. Temperature has fallen slightly in Ireland but risen over France, England and the North Sea. Over Central England it is as high as 57° to 53° this morning, or several degrees warmer than Trinity. In the Gulf of Bothnia, however, the thermometer has fallen fast, and is as low as 5° F. at Hamosund. Slight rain has again fallen very generally, and the sky is cloudy except in the E. of Scotland. The sea is moderate to smooth.

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**R. H. SCOTT.**  
Director.

Dangerfield Lth 23 Bedford St. Covent Garden.

# DAILY WEATHER REPORT FEB 8<sup>TH</sup> 1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 15).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 15).			Max.	Min.		
Haparanda ...	29.55	18	S	2	o	29.42	- .27	21	21	?	SE	4	s	*	*	*	-	
Hernösand ...	29.45	15	NE	2	o	29.30	- .25	18	18	+ .13	Z	0	o	*	*	*	0.04	
Stockholm ...	29.51	30	S	2	o	29.36	- .24	29	28	+ .8	SH	4	f	*	*	*	-	
Wisby ...	29.60	32	SSE	6	s	29.47	- .13	33	32	+ .44	SH	4	o	*	*	*	0.08	
Christiansund ...	29.26	29	WSW	8	c	29.22	- .12	37	33	- .2	SH	6	bc	6	44	32	-	
Skudesnaes ...	29.63	38	H	6	o	29.62	+ .02	35	35	- .3	H	6	r	4	44	?	-	
Oxö (Xtiansand) ...	29.63	38	WSW	6	b	29.63	+ .08	36	35	- .3	WSW	6	b	2	44	34	-	
Skagen (The Seaw) ...	29.60	37	WNW	4	b	29.62	+ .12	37	36	+ .2	WNW	5	b	5	37	28	-	
Fanö ...	29.83	39	H	4	b	29.90	+ .17	37	37	- .4	WSW	4	b	*	43	37	-	
Cuxhaven ...	29.86	48	WNW	4	f	29.97	+ .14	41	41	- .3	H	3	o	*	?	39	0.02	
Sumburgh Head ...																		
Stornoway ...	29.21	40	H	5	bc	29.77	+ .07	39	38	- .2	H	4	sp	4	43	37	0.23	
Thurso ...	29.76	39	WSW	4	c	29.72	+ .04	39	37	- .2	WSW	5	p	4	46	36	0.35	
Wick ...	29.78	37	WNW	4	b	29.74	+ .04	37	36	- .4	WN	5	r	1	45	35	0.03	
Nairn ...	29.88	40	WSW	2	b	29.82	+ .07	39	37	- .2	SH	4	fa	2	46	38	-	
Aberdeen ...	29.85	42	WN	1	b	29.82	+ .05	39	36	- .2	SH	1	b	1	48	37	-	
Leith ...	29.94	43	H	3	b	29.94	+ .09	41	40	- .5	WSW	3	fa	*	52	39	-	
Shields ...	29.99	46	SSE	3	c	30.05	+ .15	41	38	- .7	H	2	cm	1	50	40	0.03	
York ...	30.05	48	H	2	c	30.12	+ .16	38	37	- .18	WSW	1	b	*	52	37	-	
Scarborough ...	30.01	47	H	2	b	30.09	+ .18	39	38	- .11	H	1	b	1	52	38	0.01	
Nottingham ...	30.08	49	H	1	r	30.18	+ .14	40	40	- .13	SH	2	bcw	*	53	39	0.04	
Ardrossan ...	30.02	46	H	4	bc	30.04	+ .12	44	42	- .4	H	4	p	4	51	33	0.11	
Greencastle ...	30.04	45	H	2	o	30.06	+ .15	43	39	- .2	H	2	o	*	50	39	0.03	
Donaghadee ...	30.10	44	WN	1	b	30.12	+ .14	37	37	- .9	WNW	2	b	1	49	37	-	
Kingstown ...	30.14	49	H	3	o	30.21	+ .15	43	40	- .9	H	4	c	3	52	42	0.01	
Holyhead ...	30.13	48	WSW	3	c	30.17	+ .13	43	44	- .7	H	3	bc	3	51	42	0.04	
Liverpool (Bidston) ...	30.10	47	H	3	o	30.17	+ .16	41	39	- .8	H	2	b	2	49	41	0.02	
Valencia ...	30.23	49	WN	1	o	30.25	+ .13	43	42	- .7	Z	0	bc	1	51	41	0.18	
Roche's Point ...	30.23	45	WNW	2	c	30.26	+ .12	42	40	- .10	WNW	2	c	2	51	41	0.04	
Pembroke ...	30.20	48	WNW	1	c	30.26	+ .12	46	43	- .5	WN	1	bc	2	51	45	0.09	
Portishead ...	30.18	49	SW	6	c	30.23	+ .07	42	42	- .8	WSW	2	m	1	51	39	0.05	
Scilly ...																		
Plymouth ...	30.28	52	Z	0	o	30.28	+ .02	44	44	- .7	WN	2	bc	*	54	43	0.04	
Hurst Castle ...	30.20	52	H	4	c	30.22	+ .01	46	45	- .4	NE	1	b	1	52	43	0.09	
Dover ...	30.13	51	WSW	3	c	30.18	+ .01	51	46	+ .2	WN	1	cf	1	53	46	0.05	
London ...	30.12	55	SH	4	*	30.19	+ .04	46	45	- .6	WNW	1	cf	*	58	46	0.07	
Oxford ...	*	*	*	*	*	30.20	+ .09	41	41	- .11	H	1	c	*	55	41	0.01	
Cambridge ...	30.11	48	WN	1	p	30.19	+ .12	38	38	- .14	WN	1	c	*	55	37	0.11	
Yarmouth ...	30.05	49	WNW	2	r	30.14	+ .14	38	38	- .13	H	1	bcf	2	52	37	0.10	
The Helder ...	*	*	*	*	*	30.09	+ .12	44	42	- .3	Z	0	bc	*	*	*	0.12	
Cape Gris Nez ...	30.15	50	WSW	5	o	30.17	- .02	46	45	- .4	ESE	1	o	0	52	45	0.28	
Brest ...	?	54	H	3	o	?	?	52	50	o	H	3	m	4	54	50	-	
L'Orient ...	30.16	52	WNW	3	o	30.11	- .06	52	50	o	H	3	m	3	55	48	-	
Rocheport ...	30.49	52	H	4	o	30.43	- .06	54	48	+ .4	WN	3	o	3	55	37	-	
Biarritz ...	30.51	52	NNE	1	c	30.49	- .07	45	43	+ .8	S	2	o	2	52	39	-	
Corunna ...	*	*	*	*	*			*	*					*	*	*	*	
Brussels ...	*	*	*	*	*			*	*					*	*	*	*	
Charleville ...	*	*	*	*	*	30.11	?	47	*	+ .3	Z	0	p	*	*	*	*	
Paris ...	30.32	53	H	2	o	30.26	- .11	47	*	+ .1	SH	3	r	*	*	*	0.16	
Lyons ...	*	*	*	*	*	?	?	42	*	- .3	SE	2	f	*	*	*	*	
Toulon ...	30.34	48	H	5	b	30.13	- .25	45	41	+ .2	WNW	4	b	5	54	43	-	

## YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.64	41	40	H	4	f	3	Valencia .....	30.18	50	49	WNW	1	rg	1
Thurso .....	29.71	44	41	WSW	5	p	4	Scilly .....							
Scarborough ...	29.97	52	49	H	2	o	1	London .....	30.13	58	53	H	3	o	*
Greencastle ...	29.99	47	45	H	2	o	*	Rocheport ...	30.48	54	52	H	4	o	3
Holyhead .....	30.09	55	49	WSW	2	cm	2								

The barometer is rising except at Pembroke near which station a small subsidiary depression is apparently lying, causing a strong in the St. George's Channel.

## EXPLANATION OF COLUMNS.

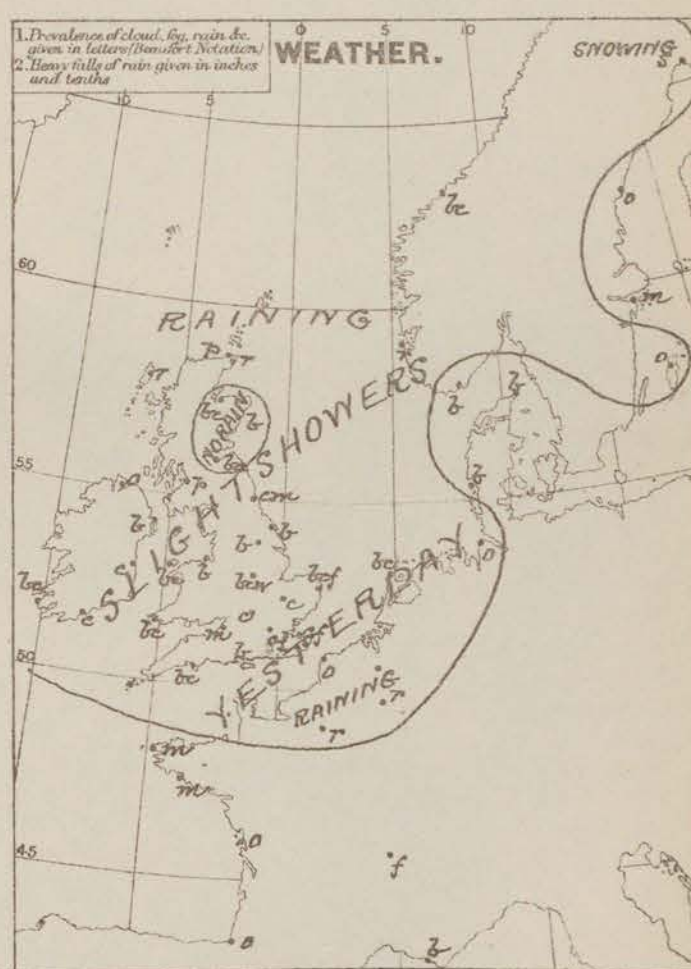
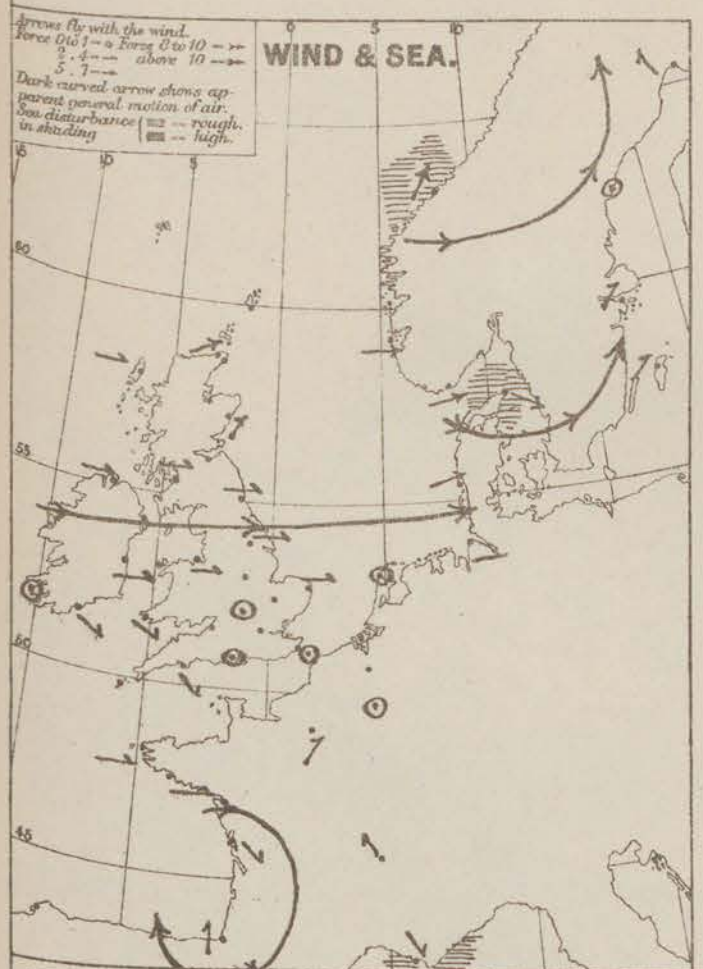
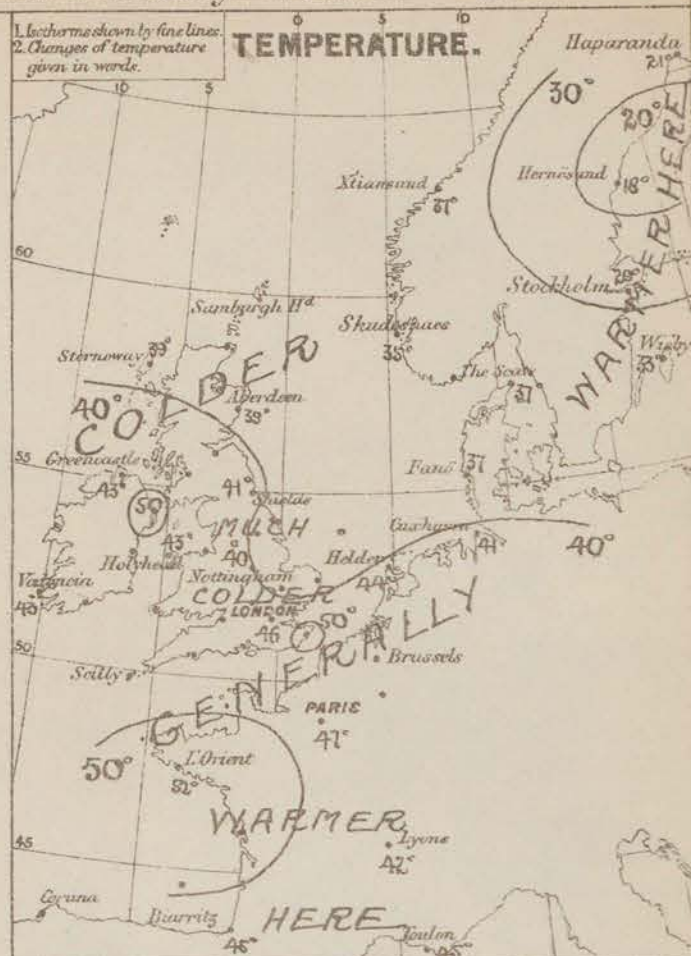
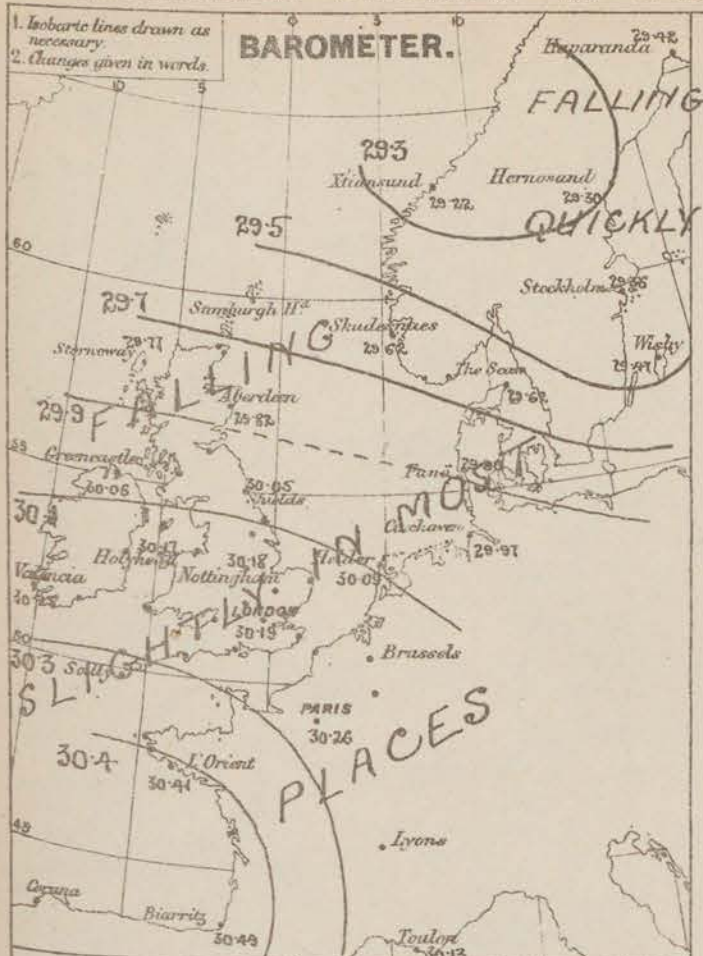
**WEATHER.**—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

# WEATHER CHARTS for 8 a.m. on Thursday FEB. 8<sup>TH</sup> 1877.



**REMARKS.** The barometer after rising a little in most places is again falling slightly over the greater part of the British Isles and France. The relative distribution of pressure is little changed. The barometrical readings varying from 30.49 ins. at Biarritz, and 30.25 ins. in the SW. of Ireland, to 29.22 ins. at Kiltarnane. Westerly winds are consequently still reported generally. So far they are very light over France, England and Ireland, moderate to fresh in Scotland, and strong in Denmark and the S. of Norway. At Kiltarnane a strong breeze is reported from S.W. Temperature has risen fast in the Gulf of Bothnia (where, however, it is still low), and has fallen in our Islands—especially in the Centre and SE of England. Cambridge is 14° colder than it was at 6 a.m. yesterday. The maximum height of the thermometer in the shade yesterday, was no less than 55° at Oxford and Cambridge, 53° at Plymouth, and 58° in London. Slight showers have again occurred in most parts of the Kingdom, and continue in the N. and W. of Scotland. The sky is elsewhere much clearer in the morning than it was yesterday. In the SE. of England, and NW. of France, fog and haze prevails. The sea is smooth except in the eastern N.

# DAILY WEATHER REPORT FEB 9<sup>TH</sup> 1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force, (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force, (0 to 12).			Max.	Min.		
Haparanda ...	29.39	21	S	4	S	29.35	-.07	14	14	-7	E	2	o	*	*	*	0.35	
Hernösand ...	29.20	10	Z	o	f	29.18	-.12	12	12	-6	NW	2	f	*	*	*	0.20	
Stockholm ...	29.32	26	NSW	2	f	?	?	28	27	-1	?	2	o	*	*	*	-	
Wisby ...	29.48	35	N	4	f	29.26	-.21	35	33	+2	N	4	o	*	*	*	-	
Christiansund ...	29.08	34	NSW	7	o	29.09	-.13	35	33	-2	N	9	o	7	37	30	-	
Skudesnaes ...	29.46	44	NSW	4	o	29.47	-.15	35	34	o	NNW	2	c	3	39	34	-	
Oxö (Klansand) ...	29.50	35	NSW	6	m	29.38	-.25	35	33	-1	NSW	6	bc	3	37	32	-	
Skagen (The Hawk) ...	29.50	34	NNW	6	o	29.36	-.26	36	33	-1	NNW	7	c	7	39	32	-	
Fanö ...	29.77	40	N	6	o	29.63	-.27	40	38	+3	NSW	7	c	*	41	37	-	
Cuxhaven ...	29.96	47	N	2	f	29.77	-.20	42	41	+1	N	5	o	*	?	39	-	
Sumburgh Head ...																		
Stornoway ...	29.73	37	NNW	7	S	29.78	+.01	36	35	-3	N	2	oph	4	42	35	0.45	
Thurso ...	29.64	38	NSW	5	c	29.68	+.04	37	36	-2	NNW	5	cp	5	44	35	0.50	
Wick ...	29.67	37	NN	3	o	29.71	-.03	35	34	-2	N	2	o	1	45	33	0.29	
Nairn ...	29.75	39	SW	5	o	29.76	-.06	38	36	-1	SW	2	c	2	42	37	0.48	
Aberdeen ...	29.72	41	N	1	f	29.78	-.09	39	36	o	SW	1	bc	1	46	38	-	
Leith ...	29.88	43	N	4	c	29.83	-.11	43	42	+2	N	4	c	*	48	39	-	
Shields ...	29.96	44	N	4	bc	29.89	-.16	43	41	+2	N	3	bc	1	47	40	-	
York ...	30.07	43	N	2	c	30.00	-.12	44	43	+6	N	1	c	*	49	37	-	
Scarborough ...	30.01	42	N	2	f	29.94	-.15	42	40	+3	NSW	1	o	3	47	39	-	
Nottingham ...	30.44	42	S	3	o	30.07	-.11	39	38	-1	SW	2	o	*	49	37	-	
Ardrossan ...	29.98	46	N	3	o	29.88	-.16	46	43	+2	NNW	4	c	3	47	44	0.08	
Greencastle ...	30.01	42	N	2	bc	29.91	-.15	42	41	-1	SW	2	o	*	48	39	0.62	
Donaghadee ...	30.07	43	NN	4	f	29.96	-.16	41	39	+4	NNW	3	c	2	46	37	-	
Kingstown ...	30.17	46	NNW	3	o	30.04	-.17	44	43	+1	NNW	1	f	1	46	42	-	
Holyhead ...	30.14	44	N	2	o	30.03	-.14	44	43	+1	NSW	2	m	1	46	43	-	
Liverpool (Bidston) ...	30.14	43	N	3	o	30.04	-.13	43	40	+2	NSW	2	o	2	46	41	-	
Valencia ...	30.20	46	S	2	o	30.13	-.12	57	50	+8	N	4	o	4	53	41	0.09	
Roche's Point ...	30.20	48	NSW	3	o	30.12	-.14	50	48	+8	N	3	bc	3	50	?	0.10	
Pembroke ...	30.21	45	N	1	bc	30.07	-.19	49	49	+3	N	5	o	3	49	44	0.09	
Portishead ...	30.19	45	NSW	3	o	30.10	-.13	45	45	+3	NSW	4	o	2	50	40	0.02	
Seilly ...																		
Plymouth ...	30.20	48	SW	1	o	30.18	-.10	50	50	+6	N	3	o	*	56	43	0.08	
Hurst Castle ...	30.20	48	N	1	o	30.14	-.08	48	48	+2	NSW	2	o	2	50	43	-	
Dover ...	30.23	47	NNW	2	o	30.12	-.06	40	39	-11	NSW	2	f	2	50	40	-	
London ...	30.18	47	N	2	c	30.12	-.07	41	40	-5	NSW	2	c	*	57	37	-	
Oxford ...	*	*	*	*	*	30.09	-.11	42	42	+1	NSW	1	o	*	49	39	-	
Cambridge ...	30.16	44	N	1	o	30.07	-.12	38	36	o	SW	1	o	*	57	35	-	
Yarmouth ...	30.12	42	N	2	f	30.03	-.11	38	37	o	N	2	bc	*	46	36	-	
The Helder ...	*	*	*	*	*	29.94	-.15	44	42	o	N	3	c	*	*	*	-	
Cape Gris Nez ...	30.20	48	N	2	o	30.13	-.07	45	41	-1	NSW	2	c	1	50	43	-	
Brest ...	?	34	N	3	o	?	?	52	48	o	NN	3	o	3	54	48	-	
L'Orient ...	30.35	52	NNW	3	o	30.37	-.04	52	50	o	NN	4	o	3	55	48	-	
Rochefort ...	30.48	52	NNW	3	c	30.46	-.07	52	50	-2	NN	4	o	3	55	39	-	
Biarritz ...	30.43	55	NSW	3	o	30.43	-.06	48	46	+3	SSE	3	o	3	?	43	0.08	
Corunna ...	*	*	*	*	*													
Brussels ...	*	*	*	*	*	30.10		43	*		NSW	3	o	*	*	*		
Charleville ...	*	*	*	*	*	30.10	-.01	42	*	-5	N	3	f	*	*	*		
Paris ...	30.26	48	NNW	3	f	30.19	-.07	50	*	+3	N	2	o	*	*	*	0.08	
Lyons ...	*	*	*	*	*	?	?	50	*	+8	SE	2	f	*	*	*		
Toulon ...	30.15	52	NN	4	f	30.15	+02	50	43	+5	NN	3	f	5	57	45	-	

## YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.	Waa.	Sea.		Bar.	Dry.	Wet.	Wind.	Waa.	Sea.		
Skudesnaes ...	29.49	39	37	WSH	6	o	5	Valencia .....	30.22	50	46	N	2	ow	2
Thurso .....	29.65	40	39	WSH	5	bc	5	Seilly .....							
Scarborough ...	30.03	47	43	H	3	bc	2	London .....	30.18	47	44	H	2	c	2
Greenecastle ...	30.04	48	44	H	4	c	*	Rochefort ...	30.40	55	52	WSH	2	bc	3
Holyhead .....	30.18	45	42	H	4	c	2								

*No important change*

## EXPLANATION OF COLUMNS.

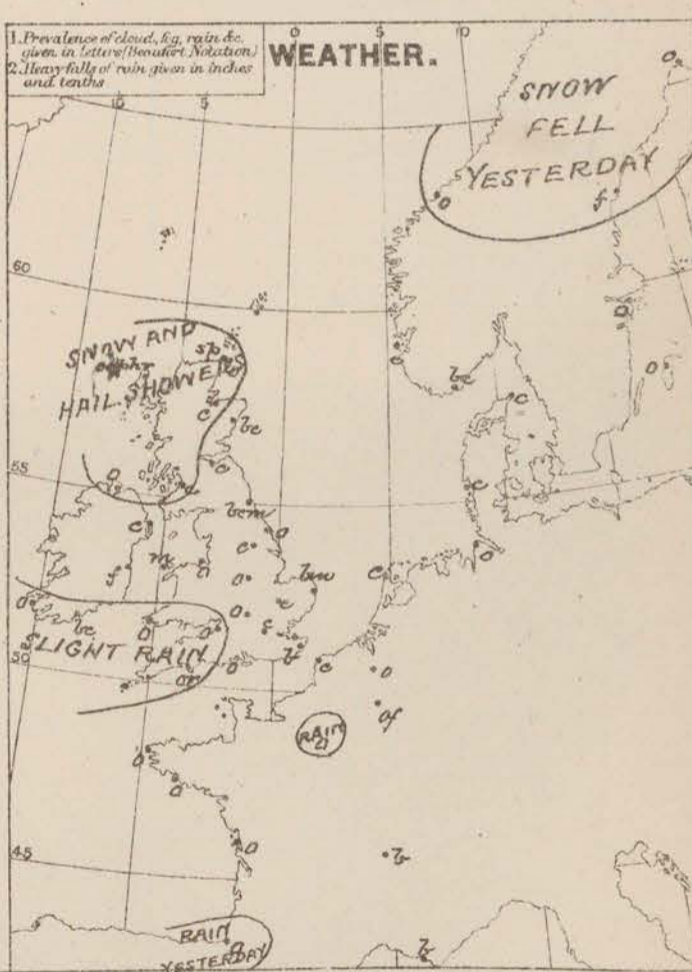
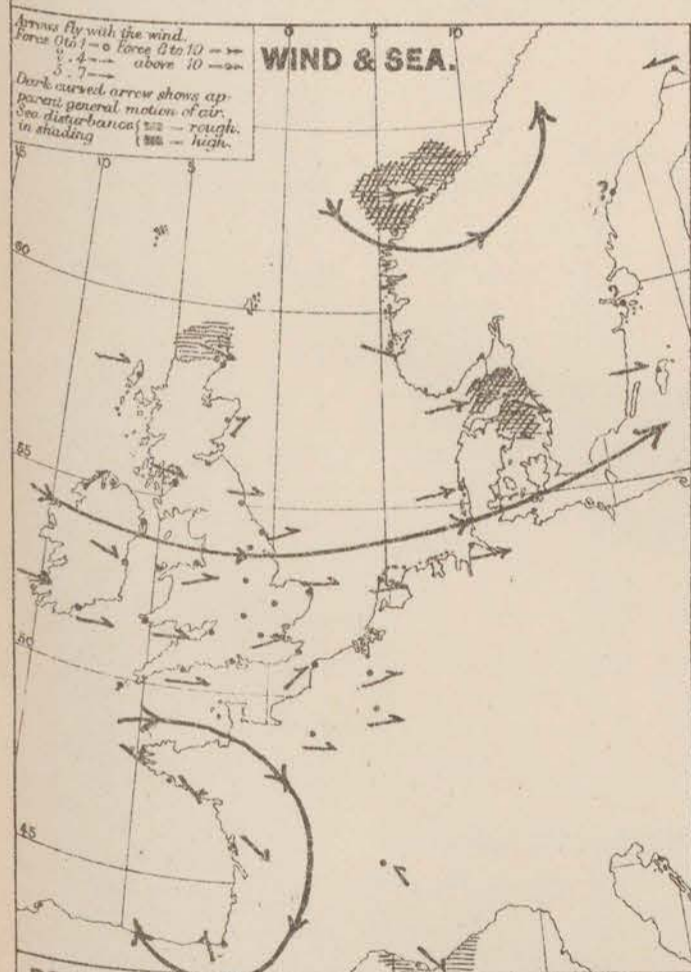
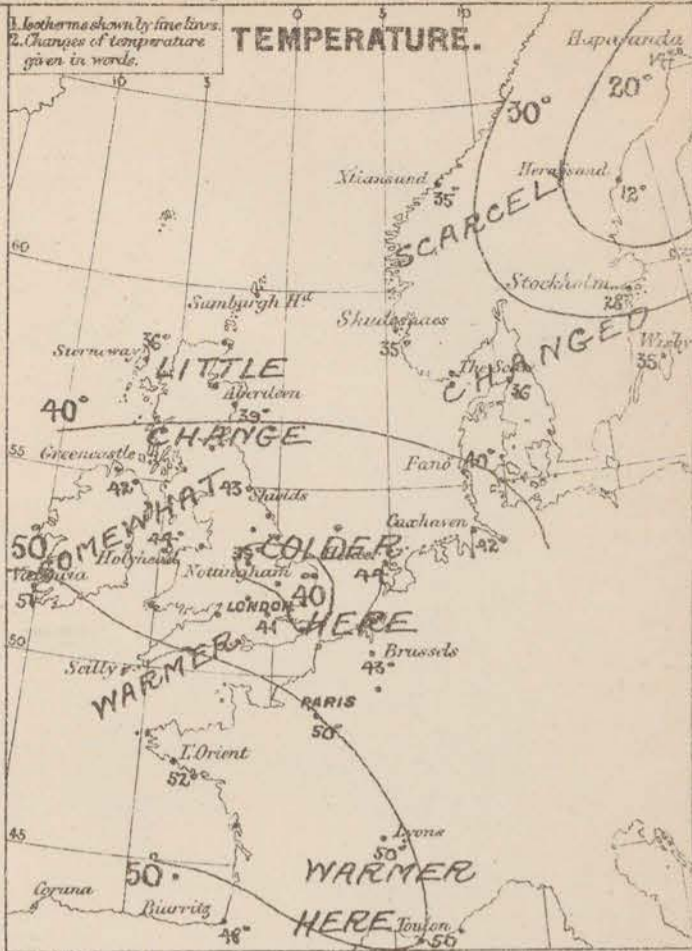
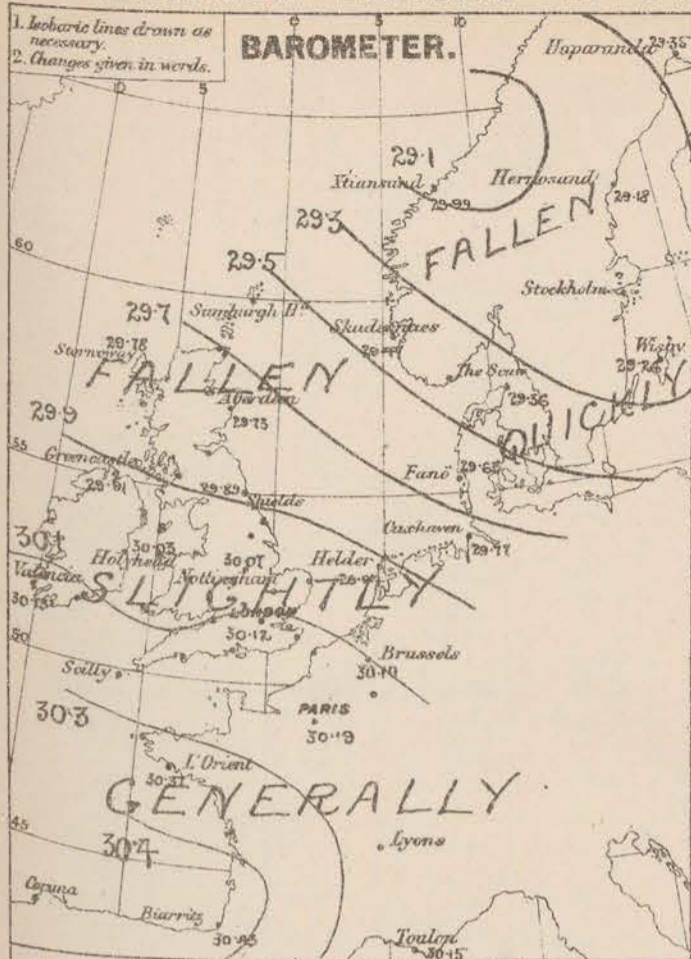
**WEATHER.**—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

WEATHER CHARTS for 8 a.m. on Friday FEB<sup>y</sup> 9<sup>th</sup> 1877



REMARKS. There is again very little change to report in the distribution of atmospheric pressure over W<sup>e</sup> Europe, beyond that shown by a further and general, but nevertheless slight fall of the barometer, so that readings now vary from 30.43 ins. at Biarritz and 30.18 ins. at Plymouth, to 29.99 ins. at Christiansund. Light equatorial W<sup>d</sup> winds still prevail over our Islands, and NW<sup>d</sup> winds in France, but a moderate W<sup>d</sup> gale is felt in Denmark, and a strong gale at Christiansund. Temperature shows a further decrease in the SE. of England, while it has risen a few degrees on our W. and SW. coasts. Slight hoar frost occurred on the grassy London during the night. The weather is cloudy except at our E<sup>e</sup> stations, and rain is falling at Plymouth. Snow fell in the N. of Scotland yesterday, thunder was heard at Stromsøya, and some rain fell at the Irish stations. The sea is smooth on nearly all our coasts, but is high at Christiansund, and on the Danish coasts.

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1/4 per quarter, book post 5/- per quarter.

Meteorological Office,  
116, Victoria Street, Westminster, S.W.

R. H. SCOTT.  
Director.

# DAILY WEATHER REPORT

FEB' 10<sup>th</sup> 1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		GRADE TEMP.			WIND.		Weather.	Sea. (0 to 9).	GRADE TEMP.		Amount of Rainfall.	
			Dir.	Force (0 to 12).		Reading at 8 A.M. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Influences from 8 A.M. yesterday.	Dir.	Force (0 to 12).			Max.	Min.		
Haparanda ...	29.41	17	SE	4	o	29.55	+ .20	10	10	- 4	SE	2	o	*	*	*	-	
Hernösand ...	29.28	19	NE	2	5	29.41	+ .23	18	17	+ 6	NE	2	5	*	*	*	0.16	
Stockholm ...	29.30	18	Z	0	6	29.43	?	18	17	- 10	WSW	2	6	*	*	*	-	
Wisby ...														*	*	*	-	
Christiansund ...	29.42	37	NN	6	c	29.46	+ .37	30	30	- 5	NN	5	6	6	?	28	-	
Skudesnaes ...	29.63	32	NN	1	6	29.84	+ .67	31	31	- 4	ENE	1	o	2	36	?	-	
Oxö (Tjörnå) ...	29.54	33	WSW	4	6	29.49	+ .11	27	26	- 8	NN	4	c	2	37	?	-	
Skagen (The Sca.)	29.52	35	NN	5	6	29.49	+ .12	34	32	- 2	Z	0	o	1	37	30	-	
Faas ...	29.72	37	WSW	4	6	29.49	- .14	33	33	- 7	SE	2	5	*	?	32	0.08	
Cuxhaven ...	29.89	46	NNN	4	o	29.49	- .28	40	40	- 2	SW	3	5	*	*	39	0.45	
Sumburgh Head																		
Stornoway ...	29.44	37	SW	1	5	29.76	- .02	34	33	- 2	NNE	1	o	4	40	32	0.12	
Thurso ...	29.66	37	Z	0	o	29.72	+ .04	37	34	o	N	3	c	4	42	33	0.06	
Wick ...	29.54	37	N	1	o	29.74	+ .03	32	31	- 3	NNN	1	6	o	39	31	-	
Nairn ...	29.68	37	SW	1	5	29.75	- .01	35	34	- 3	Z	0	o	1	42	34	0.01	
Aberdeen ...	29.69	39	Z	0	5	29.75	- .03	36	35	- 3	NNN	2	6	1	44	34	0.47	
Leith ...	29.71	42	SW	2	5	29.74	- .09	38	38	- 5	E	2	5	*	51	37	0.36	
Shields ...	29.81	44	SW	3	5	29.68	- .21	42	42	- 2	NNE	4	5	3	47	42	0.05	
York ...	29.90	45	N	1	o	29.72	- .28	45	46	+ .14	N	2	6	*	57	41	0.02	
Scarborough ...	29.86	44	N	2	5	29.68	- .36	49	47	+ 7	NNN	3	6	2	50	41	-	
Nottingham ...	29.94	47	NNN	2	5	29.81	- .26	51	49	+ 12	NNN	4	5	*	57	39	0.04	
Ardrossan ...	29.73	49	WSW	4	5	29.72	- .16	48	46	+ 2	NNN	3	c	2	52	44	0.41	
Greencastle ...	29.73	50	N	4	5	29.75	- .16	47	46	+ 5	N	3	o	*	57	41	0.57	
Donaghadee ...	29.81	48	N	4	c	29.80	- .15	48	47	+ 7	NN	4	c	3	53	41	-	
Kingstown ...	29.95	50	NNN	4	o	29.86	- .18	52	50	+ 8	N	4	5	3	52	43	0.02	
Holyhead ...	29.94	49	SW	3	o	29.87	- .16	50	49	+ 6	N	4	6	3	52	44	0.10	
Liverpool (Bidston)	29.90	49	WSW	5	o	29.70	- .24	48	48	+ 5	N	6	o	4	51	43	0.06	
Valencia ...	30.08	57	N	4	o	30.03	- .10	57	50	o	N	3	5	4	53	49	-	
Roche's Point...	30.08	51	N	4	o	30.01	- .11	57	49	+ 1	N	3	o	3	54	50	0.05	
Pembroke ...	30.06	49	N	6	o	29.94	- .13	50	49	+ 1	N	7	o	4	51	49	0.02	
Portishead ...	30.07	48	WSW	6	c	29.94	- .16	48	48	+ 3	WSW	6	o	4	50	43	0.03	
Scilly ...																		
Plymouth ...	30.18	51	N	3	o	30.07	- .11	57	50	+ 1	N	2	o	*	52	49	-	
Hurst Castle ...	30.09	57	N	5	c	29.99	- .15	57	50	+ 3	NNN	5	o	5	60	46	-	
Dover ...	30.03	49	WSW	2	6	29.90	- .22	49	47	+ 9	WSW	3	o	3	52	40	-	
London ...	30.03	52	N	3	c	29.90	- .22	51	49	+ 10	WSW	5	5	*	51	41	-	
Oxford ...	*	*	*	*	*	29.88	- .21	50	48	+ 8	N	3	o	*	54	42	-	
Cambridge ...	29.98	53	WSW	1	o	29.83	- .24	50	48	+ 12	N	3	o	*	52	37	-	
Yarmouth ...	29.97	45	Z	0	c	29.76	- .27	49	48	+ 11	N	4	5	2	49	37	0.06	
The Helder ...	*	*	*	*	*	29.63	- .31	47	46	+ 3	WSW	4	c	*	*	*	0.08	
Cape Gris Nez ...	30.44	48	N	5	o	29.92	- .21	48	48	+ 3	N	7	o	5	50	43	0.04	
Brest ...	?	55	NNN	4	o	?	?	52	48	o	N	4	o	3	52	46	-	
L'Orient ...	30.36	52	NN	3	o	30.25	- .12	50	48	- 2	NNN	4	c	4	55	48	0.04	
Rochefort ...	30.35	55	NN	3	o	30.29	- .07	52	50	o	NNN	4	6	3	57	46	-	
Bjarritz ...	30.38	55	NNN	2	o	30.34	- .09	48	46	o	Z	0	o	4	52	45	-	
Corunna ...	*	*	*	*	*									*	*	*	*	
Brussels ...	*	*	*	*	*	29.87	- .23	48	*	+ 5	WSW	6	o	*	*	*	0.04	
Charleville ...	*	*	*	*	*	29.91	- .19	46	*	+ 4	NNN	1	5	*	*	*	*	
Paris ...	30.20	50	N	3	5	30.12	- .07	48	*	- 2	WSW	3	o	*	*	*	0.04	
Lyon ...	*	*	*	*	*	?	?	52	*	+ 2	NN	2	c	*	*	*	*	
Toulon ...	30.10	55	NN	4	6	30.11	- .04	46	43	- 4	NN	3	6	5	61	48	-	

## YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.	
Skudesnaes ...	29.60	36	34	NNN	2	6	3	Valencia .....	30.10	53	50	N	5	5
Thurso .....	29.70	41	40	NNN	1	0	4	Scilly .....						
Scarborough ...	29.90	46	42	NWS	2	0	2	London .....	30.05	57	50	N	2	*
Greencastle ...	29.81	44	44	NWS	1	5	*	Rochefort ...	30.38	52	52	NN	4	3
Holyhead .....	29.99	48	48	SW	3	0	2							

*Pressure is very unsteady over our Islands although the changes are not large. At Greencastle the barometer has fallen 0.1 inch since the morning, and the wind is very light from SW. with rain.*

## EXPLANATION OF COLUMNS.

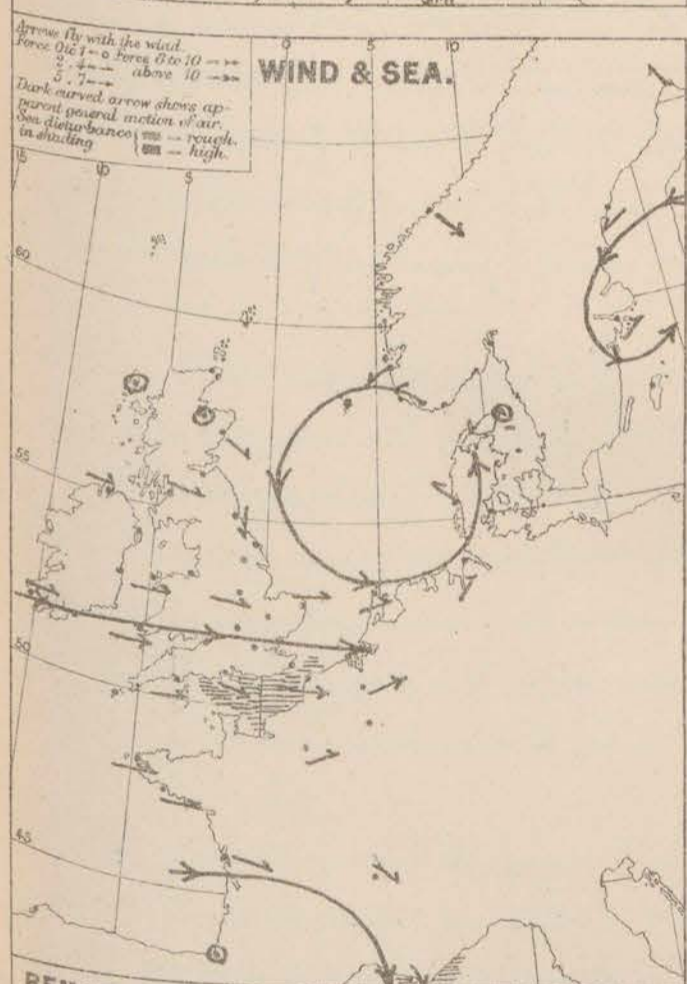
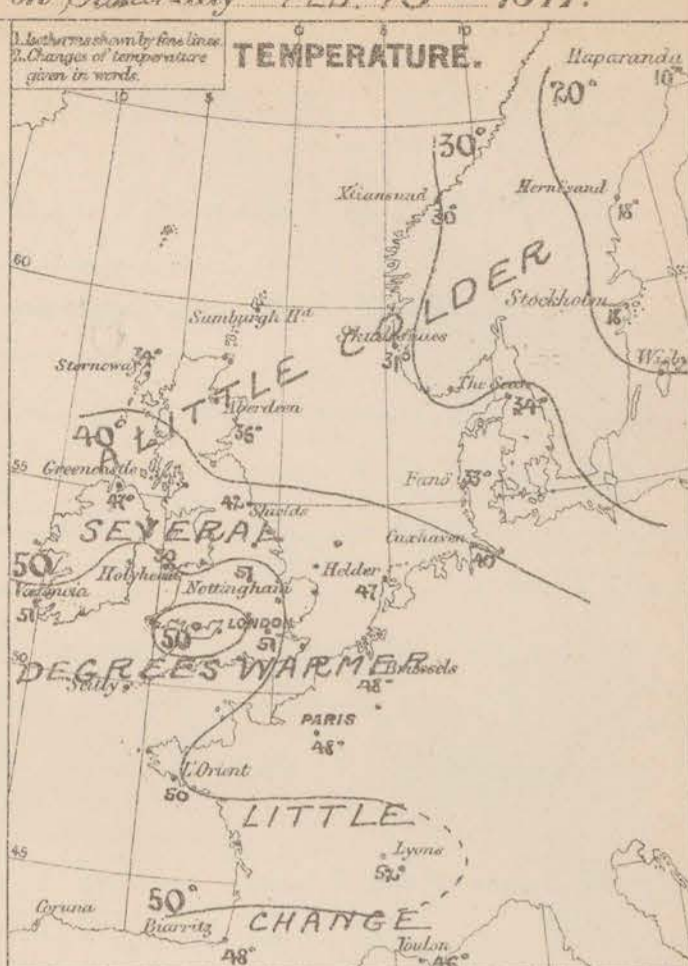
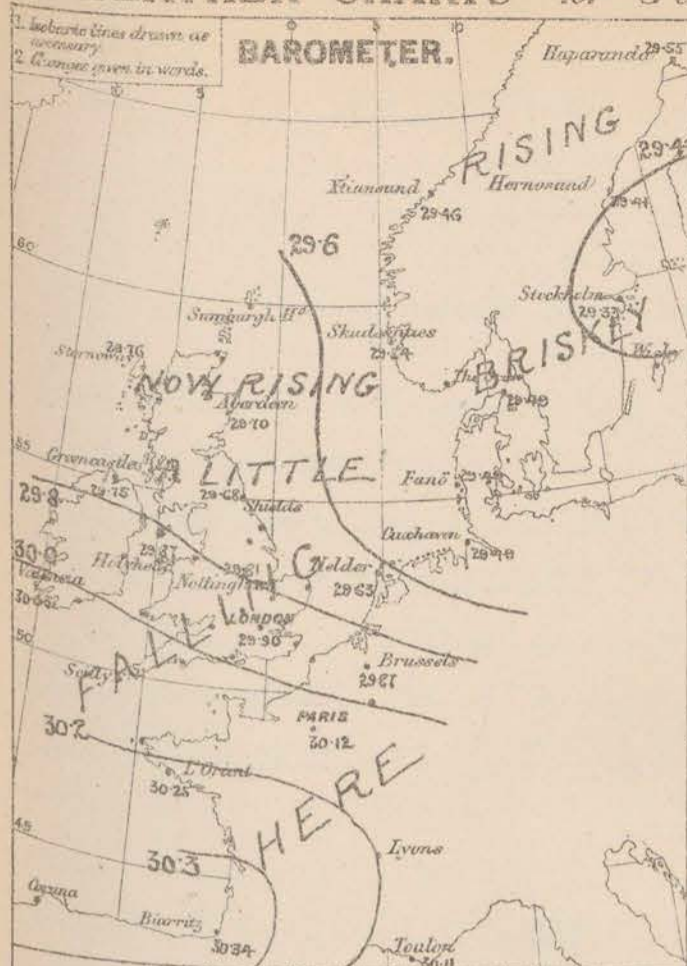
**WEATHER.**—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

N.B.—The wind is said to "veer" when its direction changes with the sea, and to "back" when it shifts in the opposite direction.

# WEATHER CHARTS for 8 a.m. on Saturday FEB. 10<sup>TH</sup> 1877.



**REMARKS.** During the past night a depression has passed rapidly from WNW to ESE across Scotland, and the North Sea, and now lies near the Danish coast, so that the barometer is now rising a little at our N and NE stations. In Norway also it has risen briskly, but at our W stations, it appears to be falling a little, as well as over the Bay of Biscay. The highest readings still lie over Spain, and the SW parts of France, and pressure is very unsteady in the N. of our Islands. Fresh to strong W breezes are blowing at the English stations this morning, and a slight N gale was felt at the mouth of the Rhine during the night. In Ireland and France the W wind is now moderate, and in Scotland calm and variable air prevails. Temperature has risen several degrees in Ireland and England, and London and Nottingham are now from 15° to 18° warmer than the Arctic stations. A little rain has fallen over the greater part of our Islands, and the sky is still very cloudy, except at some of the NE parts. The weather is not at all settled. The sea is rather rough in the Channel, moderate elsewhere.

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Meteorological Office,  
116, Victoria Street, Westminster S.W.

R. H. SCOTT,  
Director.

# SUMMARY OF WEATHER IN WESTERN EUROPE

from FEB<sup>RY</sup> 4<sup>TH</sup> to FEB<sup>RY</sup> 10<sup>TH</sup> 1877.

(Issued Weekly as a Supplement to the "Daily Weather Report.")

This period has been characterized by firmly established high pressures in the centre and S. of France, and by the passage in quick succession of numerous disturbances from N. to E. to the N. of these Islands. In consequence the wind though sometimes backing to S.W. on the advance of one of these disturbances, and veering to N.W. on its departure, has been generally N.W. in direction and on most days has been fresh to strong in force. Temperature has been generally high and reached a maximum of 58° in London on the 4<sup>th</sup> and of 60° at Hunt Castle on the 9<sup>th</sup>. The weather has been generally rather dull, but in the intervals between the depressions the sky has been clear. A good deal of rain and snow has fallen in the N.

FEB<sup>RY</sup> 4<sup>TH</sup> The centre of lowest pressure still lay in the neighbourhood of Christiansund, and the barometer was falling more or less quickly in the Countries to the Eastward of the North Sea, as well as over France, while in the N. and N. of these Islands it was rising briskly. The wind had veered to the N.W. or N. except in Denmark, Norway, and Sweden where it was still S.W. It was fresh in force except in the S.E. Temperature generally had fallen somewhat and was below 40° over the greater part of these Islands. The sky though very cloudy on the Continent was for the most part clear at our stations, but during the night and previous day snow had fallen in the N. and rain in most other places. Later Reports showed a general rise of the barometer, but the general distribution of pressure was unaltered.

FEB<sup>RY</sup> 5<sup>TH</sup> An area of high pressure had been formed over France, and the barometer had risen in most parts of W. Europe, but on our W. and N. coasts readings remained very unsteady, and while one depression was passing away from our N. coasts a second was appearing on the N. Coast of Ireland from the Atlantic. The barometer varied from 30.57 inches <sup>central</sup> over France to 29.57 inches at Thurso so that gradients had become rather steep, and the S.W. wind which prevailed generally was fresh except in the immediate neighbourhoods of the high readings. Temperature had risen over these Islands but fallen in the South of France, and Valencia was 11° warmer than Biarritz. The weather was very dull. During the day the barometer rose in the N. and N. but fell in the E.

FEB<sup>RY</sup> 6<sup>TH</sup> The recovery in pressure noticed in the N. and N. on the previous evening had passed on to the East of these Islands, and been succeeded in the N. by a brisk and in N. by a slight fall of the barometer. The area of high readings still lay over Central France, so that gradients for N.W. to S.W. winds still prevailed and moderate breezes from those quarters were blowing at all stations except Stornoway where the force had increased to that of a moderate gale. Temperature had risen in most places but in the S. of Norway it had fallen, and at our S.W. stations and over France remained steady. The temperatures of Valencia and Biarritz still bore the same relation. The weather continued overcast with rain in the North. In the course of the day the depressions passed on to the Eastward, just outside Scotland, and strong N.W. breezes prevailed on our coasts.

FEB<sup>RY</sup> 7<sup>TH</sup> The depression of the previous day lay over Christiansund and the barometer was rising though slowly at all our W. and N. stations while over England and the Continent generally it was falling.

The Anti-cyclone (30.50) still existed over the S.W. of France, and N<sup>W</sup> breezes generally moderate in strength, were blowing on all coasts. Temperature had fallen slightly over Ireland and Scotland, and several degrees in the Baltic, but has risen in most other places. In the S. of France, however, the weather continued very etc. The sky was cloudy except in the East of Scotland. By the evening the recovery had become almost general and the wind had veered to N.W.

FEB 8<sup>TH</sup> During the night the barometer had begun to fall again over nearly the whole of Non Europe. The area of high readings had moved away slowly N.W. over North Spain, but the general distribution of pressure was scarcely changed. The wind continued N.W. on most of our coasts, but drew into N.W. in the S. and over France, and into S.W. over Scandinavia. The weather was fine except over France, but slight showers had occurred generally. During the day the barometer fell everywhere, and the depression near Christiansund apparently grew deeper.

FEB 9<sup>TH</sup> Scarcely any change had occurred in the general distribution of atmospheric pressure, beyond a further very slight fall of the barometer over nearly the whole of Western Europe. Moderate N<sup>W</sup> breezes continued on our coasts, fresh winds from the same quarter over Denmark and the Skager Rack, and moderate N.W. breezes over France. Temperature had changed little and irregularly. The sky was overcast except in the S.E. and snow had fallen in the N. of Scotland. Pressure continued to decrease generally during the day but the disturbance which had been lying so long near Christiansund was at last moving away and the barometer rising in Norway.

FEB 10<sup>TH</sup> The depression from the neighbourhood of Christiansund had advanced over the Baltic, while a small secondary disturbance had travelled rapidly from the N.W. across Scotland, and the North Sea to the coast of Denmark. The barometer was consequently falling over Denmark, as well as over the greater part of these Islands and France, but in Scotland, Norway and Sweden the mercury was rising. The wind was light from N. on our Non Coast, but was N.W. elsewhere, and over England, the North of France, and North Germany, was strong in force. Temperature had risen several degrees over Ireland and England but fallen elsewhere. The sky was very cloudy except at some of the N.E. stations, and rain was falling in some places. In the evening the barometer was falling briskly at Valucka with a moderate S.W. gale.

# DAILY WEATHER REPORT FEB 11 1877.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										LAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	Barometer Reading at 32° F. and Sea Level.	Barometer Difference from 8 a.m. yesterday.		SHADE TEMP.		WIND.	Weather.	Sea.	Vis.	Unusual Transparency.	Shade Temp. Max. Min.	Amount of Precipitation.		
			Dir.	Force (0 to 12).					Dry.	Wet.									
Haparanda ...	29.69	1	SE	2	b	29.77	+ .22	-1	-1	-	SE	2	0	*	*	*	*	0.12	
Hernösand ...	29.60	19	NE	2	f	29.62	+ .21	13	13	-	Z	0	0	*	*	*	*	0.04	
Stockholm ...	29.45	23	NNW	4	0	29.64	+ .20	19	19	+	W	2	0	*	*	*	*		
Wisby ...	29.49	27	W	6	b	29.68		26	25	-	W	6	0	*	*	*	*		
Christiansund ...																			
Skudesnaes ...	29.72	32	Z	0	0	29.61	+ .52	29	27	-	SE	2	0	*	*	34	?		
Oxö (Xiansand) ...	29.67	28	NNW	2	b	29.66	+ .57	34	23	-	Z	0	0	*	*	32	?		
Skagen (The Sea) ...	29.69	31	NE	2	b	29.68	+ .49	30	29	-	Z	0	0	*	*	36	27		
Fanö ...	29.88	34	W	1	b	29.74	+ .25	35	34	+	SE	3	0	*	*	37	32	0.08	
Cuxhaven ...	29.60	46	W	4	0	29.87	+ .32	35	35	-	SE	3	0	*	*	3	?	0.14	
Sumburgh Head																			
Stornoway	29.78	36	ESE	3	0	29.89	- .37	34	34	-	NNE	3	0	*	*	37	32	0.88	
Thurso ...	29.82	35	Z	0	0	29.42	- .30	34	34	-	E	2	0	*	*	40	32	0.24	
Wick ...	29.78	36	Z	0	0	29.40	- .34	35	35	+	ESE	5	0	*	*	38	32	0.42	
Nairn ...	29.77	34	Z	0	0	29.32	- .43	34	34	-	Z	0	0	*	*	38	34	0.32	
Aberdeen ...	29.82	36	W	1	0	29.29	- .41	37	36	+	Z	0	0	*	*	40	34	0.00	
Leith ...	29.84	39	ESE	3	0	29.38	- .36	46	46	+	NNW	4	0	*	*	48	35	0.26	
Shields ...	29.89	41	N	2	0	29.45	- .23	48	46	+	W	5	0	*	*	49	39	0.02	
York ...	29.90	43	ESE	1	0	29.57	- .15	49	46	+	W	5	0	*	*	44	40	0.07	
Scarborough ...	29.90	41	W	1	0	29.57	- .17	48	47	-	NNW	3	0	*	*	40	40	0.12	
Nottingham ...	29.92	49	Z	0	0	29.68	- .13	49	47	-	NNW	6	0	*	*	44	46	0.07	
Ardrossan ...	29.91	43	NE	1	0	29.57	- .21	48	44	0	NNW	6	0	*	*	49	39	0.54	
Greencastle ...	29.93	46	SW	1	0	29.63	- .12	46	44	-	W	5	0	*	*	49	43	0.25	
Donaghadee ...	29.82	48	NNW	3	0	29.65	- .15	46	44	-	NNW	5	0	*	*	40	40	0.05	
Kingstown ...	29.89	53	W	3	0	29.75	- .11	48	45	-	NNW	5	0	*	*	47	47	0.02	
Holyhead ...	29.89	49	NNW	2	0	29.77	- .10	47	45	-	NNW	4	0	*	*	52	46	0.13	
Liverpool (Bidston) ...	29.88	49	NNW	4	0	29.68	- .12	47	44	-	W	7	0	*	*	51	47	0.13	
Valencia ...	29.89	57	SW	7	0	29.95	- .08	49	47	-	NNW	3	0	*	*	53	47	0.24	
Roche's Point ...	29.98	52	SW	5	0	29.92	- .09	48	46	-	W	5	0	*	*	54	45	0.26	
Pembroke ...	30.00	50	NNW	5	0	29.89	- .05	49	46	-	NNW	5	0	*	*	50	47	0.20	
Portishead ...	29.97	46	NNW	5	0	29.86	- .08	48	47	0	NNW	4	0	*	*	50	44	0.05	
Scilly ...																			
Plymouth ...	30.09	53	W	2	0	29.97	- .10	51	50	0	SW	2	0	*	*	58	48	0.10	
Hurst Castle ...	30.02	52	W	4	0	29.90	- .09	50	50	-	NNW	5	0	*	*	52	46	0.10	
Dover ...	29.95	57	W	3	0	29.86	- .04	48	47	-	SW	5	0	*	*	54	47	0.06	
London ...	29.97	53	W	3	0	29.83	- .07	50	48	-	NNW	5	0	*	*	54	47	0.09	
Oxford ...						29.80	- .08	50	49	0	NNW	3	0	*	*	50	48	0.09	
Cambridge ...	29.93	49	W	1	0	29.76	- .07	48	47	-	SW	3	0	*	*	57	45	0.10	
Yarmouth ...	29.90	45	NNW	1	0	29.70	- .06	46	46	-	NNW	4	0	*	*	53	46	0.10	
The Helder ...						29.73	+ .10	46	45	-	SW	2	0	*	*			0.08	
Cape Gris Nez	29.90	50	NNW	5	0	29.91	- .01	48	48	0	SW	6	0	*	*	50	46	0.08	
Brest ...		34	NNW	3	0			52	50	0	W	4	0	*	*	55	46	0.08	
L'Orient ...	30.23	50	NNW	4	0	30.18	- .07	50	48	0	W	5	0	*	*	55	45	0.04	
Rocheport ...	30.26	54	NNW	4	0	30.25	- .04	52	48	0	W	5	0	*	*	55	45		
Biarritz ...	30.28	59	NNW	2	0	30.34	- .00	45	41	-	SE	3	0	*	*	?	41		
Corunna ...						30.45		48			Z	0	0	*	*				
Brussels ...						29.93	+ .06	47			W	3	0	*	*			0.30	
Charleville ...								53			NNW	3	0	*	*				
Paris ...	30.10	52	W	3	0	30.12	- .00	47			SW	3	0	*	*				
Lyons ...								57			SE	2	0	*	*				
Toulon ...	30.32	53	NNW	5	0	30.11	- .00	48	39	+	NW	2	0	*	*	59	46		

## YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.
Skudesnaes ...	29.64	33	32	NNE	1	0	Valencia .....	29.94	52	50	SW	5	0
Thurso .....	29.81	37	33	N	3	0	Scilly .....						
Scarborough ...	29.84	42	41	N	3	0	London .....	29.93	53	52	NNW	3	0
Greencastle ...	29.79	45	44	E	1	0	Rocheport ...	30.26	52	50	NNW	5	0
Holyhead .....	29.89	57	50	NNW	3	0							

The barometer has begun to fall very briskly at Valencia since noon, and while a strong SW wind has set in at that station, a light Ely breeze is reported from Brancaster. In the N. the mercury is rising.

Warnings sent to our W.S. and S.E. Coasts.

## EXPLANATION OF COLUMNS.

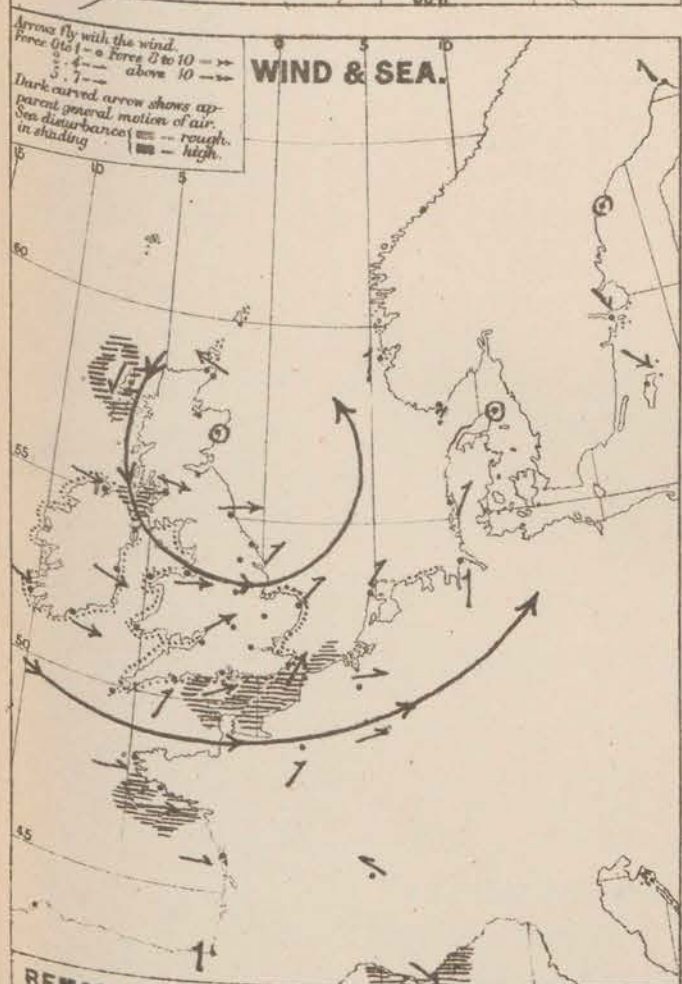
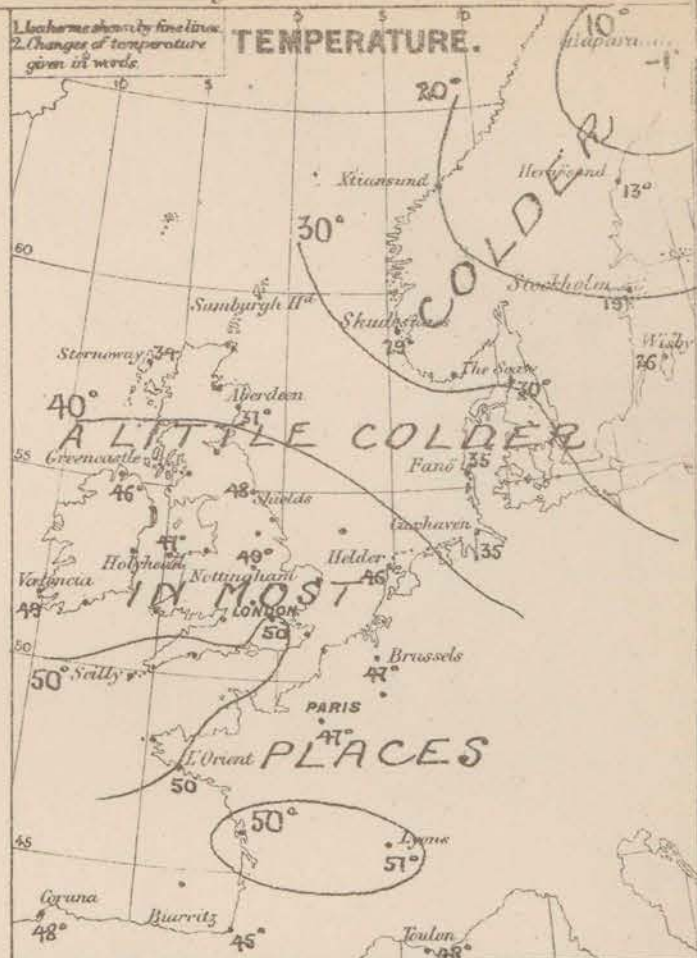
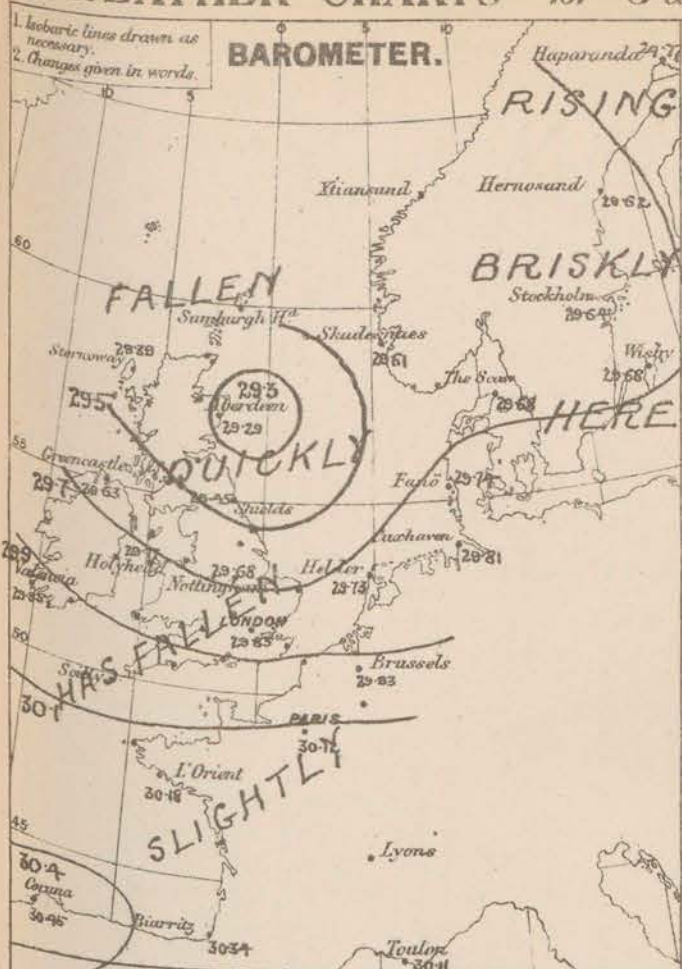
**WEATHER.**—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania, time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

# WEATHER CHARTS for 8 a.m. on Sunday FEB. 11<sup>th</sup> 1877.



## DAILY WEATHER REPORT

FEB 12<sup>TH</sup> 1877.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	Barometer. Reading at 32° F. and Sea Level.	SHADE TEMP.			WIND.		Weather.	Sea (0 to 9).	SHADE TEMP.		Amount of Rainfall.			
			Dir.	Force. (0 to 12).			Dry.	Wet.	Dir.	Force. (0 to 12).	Max.			Min.					
															Difference from 8 a.m. yesterday.		Difference from 8 a.m. yesterday.		
Haparanda ...	29.78	-1	SE	2	0	29.81	+ .04	-16	-16	-15	N.	2	6	*	*	*	-		
Hernösand ...	29.71	10	Z	0	0	29.67	+ .05	7	7	-6	ENE	4	6	*	*	*	0.04		
Stockholm ...	29.62	21	Z	0	0	29.69	+ .05	17	17	-2	Z	0	0	*	*	*	-		
Wisby ...	29.62	24	E	4	6	29.66	- .02	26	24	0	E	4	8	*	*	*	-		
Christiansund ...	29.65	30	SSW	1	6	29.71		32	30		WSW	6	6	4	32	27	-		
Skudesnaes ...	29.59	28	NNE	2	6	29.82	+ .21	28	25	-1	ENE	2	6	2	32	28	-		
Oxö (Ålsmåland) ...	29.80	26	NE	6	5	29.82	+ .02	24	21	0	NNE	4	6	2	28	23	-		
Skagen (The Sound) ...	29.47	32	SE	4	6	29.79	+ .11	22	22	-7	ENE	3	0	2	24	21	0.04		
Fansø ...	29.20	34	NE	4	8	29.81	+ .07	29	28	-6	NNE	1	6	*	36	28	0.20		
Cuxhaven ...	29.39	45	W	8	5	29.78	- .03	37	36	+2	N	4	6	*	*	*	0.29		
Sumburgh Head ...																			
Stornoway ...	29.73	36	NE	3	0	29.27	- .42	35	35	+1	ESE	7	6	6	88	33	0.40		
Thurso ...																			
Wick ...																			
Nairn ...	29.74	35	ESE	2	8	29.46	+ .22	34	33	0	ESE	6	0	3	36	30	0.25		
Aberdeen ...	29.84	35	NNW	2	6	29.53	+ .36	35	34	-2	SSE	7	5	5	38	32	0.05		
Leith ...	29.71	40	ENE	3	0	29.46	+ .28	37	37	-9	S	4	8	*	53	36	0.19		
Shields ...	29.70	42	N	5	0	29.57	+ .12	41	40	-7	SE	5	8	4	50	38	0.21		
York ...	29.73	47	N	5	6	29.51	+ .22	44	44	-5	S	1	0	*	52	39	0.08		
Scarborough ...	29.70	46	NNW	5	8	29.63	+ .07	43	43	-5	S	4	8	3	57	40	0.18		
Nottingham ...	29.86	49	NNW	4	0	29.68	+ .18	46	45	-3	SSW	6	8	*	54	43	0.17		
Ardrossan ...	29.73	46	NNW	3	6	29.57	- .14	48	48	0	S	4	6	5	50	39	0.55		
Greencastle ...	29.75	46	N	11	6	29.51	- .22	44	42	-2	N	4	0	*	57	43	0.26		
Donaghadee ...	29.79	46	WSW	2	6	29.46	- .32	45	45	-1	N	4	6	3	49	43	0.19		
Kingstown ...	29.87	50	WN	3	0	29.56	- .31	50	46	+2	NNW	4	0	3	53	47	0.06		
Holyhead ...	29.88	48	WSW	3	0	29.56	- .32	49	49	+2	SSW	5	8	4	50	46	0.23		
Liverpool (Bidston) ...	29.83	48	N	6	6	29.57	- .26	50	48	+3	SW	3	8	3	50	46	0.19		
Valencia ...	29.91	51	SW	5	0	29.73	+ .18	47	45	-2	NNW	3	6	3	53	46	0.18		
Roche's Point ...	29.96	51	WSW	4	0	29.68	- .28	49	47	+1	NNW	4	6	4	54	46	0.10		
Pembroke ...	29.89	49	N	4	0	29.67	- .22	50	50	+1	SW	8	8	6	50	48	0.14		
Portishead ...	29.98	46	N	5	6	29.77	- .21	47	47	-1	S	5	8	3	52	44	0.20		
Scilly ...																			
Plymouth ...	29.86	51	N	2	6	29.86	- .11	51	51	0	WSW	4	8	*	57	49	0.15		
Hurst Castle ...	29.98	51	NNW	4	6	29.87	- .11	49	49	-1	WSW	5	8	5	53	47	0.09		
Dover ...	29.91	48	N	4	6	29.90	+ .01	48	47	0	SW	3	8	2	53	46	0.01		
London ...	29.91	50	NNW	3	0	29.85	+ .06	47	47	-3	SW	3	8	*	58	45	0.07		
Oxford ...						29.80	+ .00	47	46	-3	SSW	2	8	*	57	46	0.13		
Cambridge ...	29.88	48	WSW	3	6	29.80	+ .08	45	45	-3	SW	2	8	*	55	47	0.11		
Yarmouth ...	29.75	48	NNW	5	6	29.79	+ .04	45	45	-1	SW	2	8	2	57	43	0.04		
The Helder ...						29.86	+ .13	42	40	-4	Z	0	6	*	*	*	0.08		
Cape Gris Nez ...	29.95	48	WSW	5	0	29.92	+ .03	48	48	0	SW	4	8	3	52	46	0.04		
Brest ...		44	NN	2	m	- ?		52	48	0	WSW	4	m	4	57	48	-		
L'Orient ...	30.21	35	NNW	3	m	30.12	- .09	52	52	+2	N	5	m	4	57	46	0.04		
Rocheport ...	30.24	34	N	5	f	30.20	- .04	52	52	0	N	5	0	3	55	45	0.08		
Biarritz ...	30.34	35	SW	1	0	30.34	+ .00	52	48	+7	SSW	3	0	3	55	41	-		
Corunna ...																			
Brussels ...						29.94	+ .01	46	46	-1	SW	6	0	*	*	*	*		
Charleville ...						29.98	+ .04	45	45	-8	N	1	0	*	*	*	*		
Paris ...	30.08	51	N	3	6	30.06	- .02	48	48	+1	SW	3	0	*	*	*	-		
Lyons ...								57	57	0	E	2	0	*	*	*	*		
Toulon ...	30.09	52	N	5	6	30.15	+ .06	58	45	+2	NN	5	0	5	59	45	-		

## YESTERDAY'S 3 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.
Skudesnaes ...	29.50	32	50	NE	2	2	Valencia ...						
Thurso ...							Scilly ...						
Scarborough ...							London ...						
Greencastle ...							Rocheport ...	30.24	34	58	NNW	4	6
Holyhead ...													

## EXPLANATION OF COLUMNS.

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.

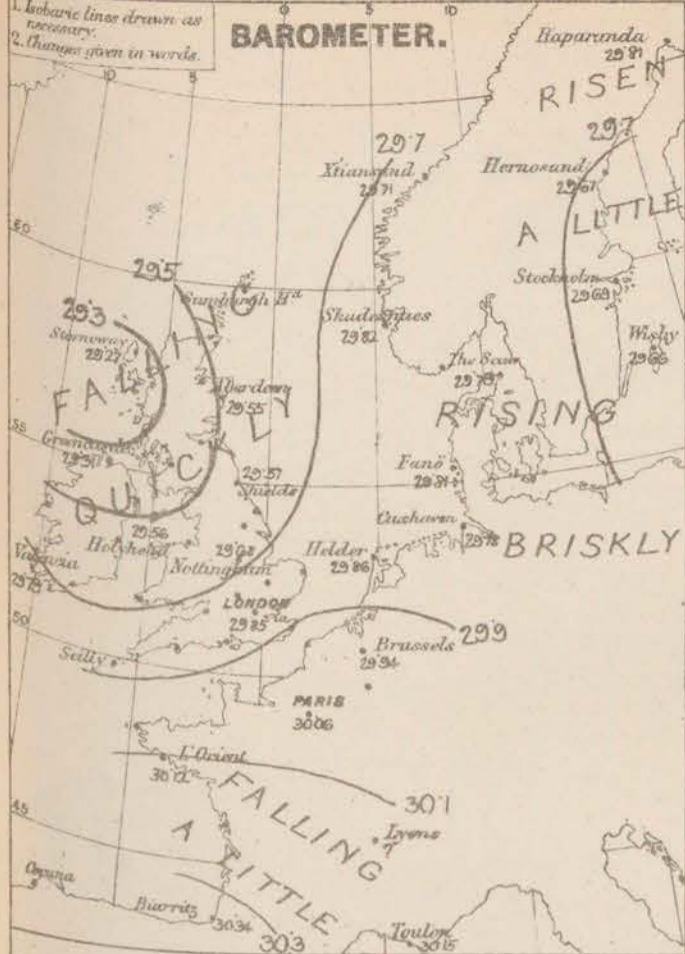
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

N.B.—The wind is said to "rear" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

# WEATHER CHARTS for 8 a.m. on Monday 12<sup>th</sup> FEB<sup>y</sup> 1877.

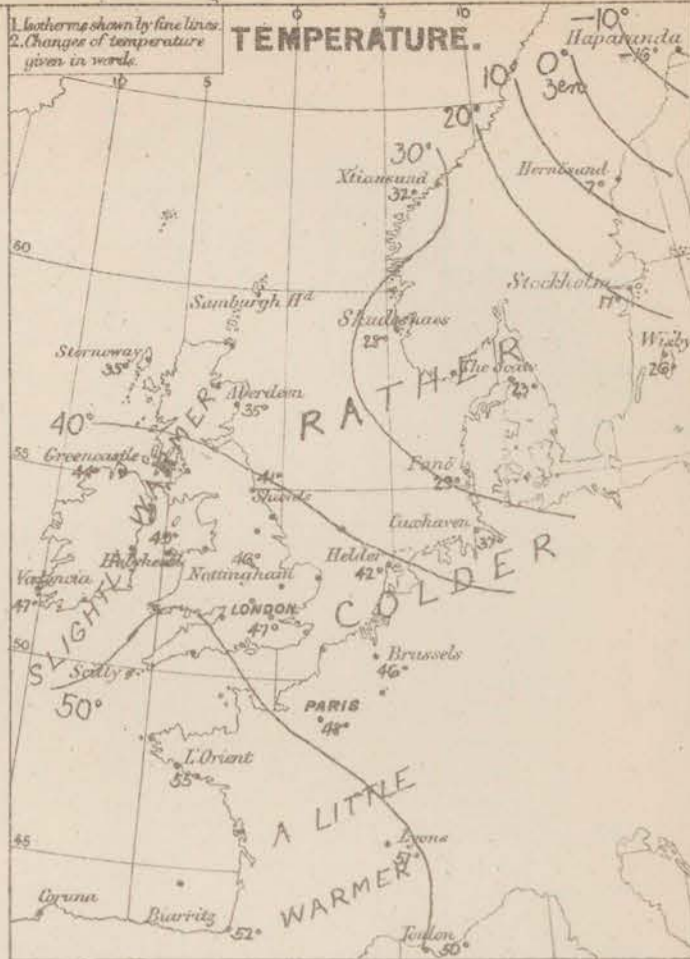
1. Isobaric lines drawn as necessary.
2. Changes given in words.

## BAROMETER.



1. Isotherms shown by fine lines.
2. Changes of temperature given in words.

## TEMPERATURE.



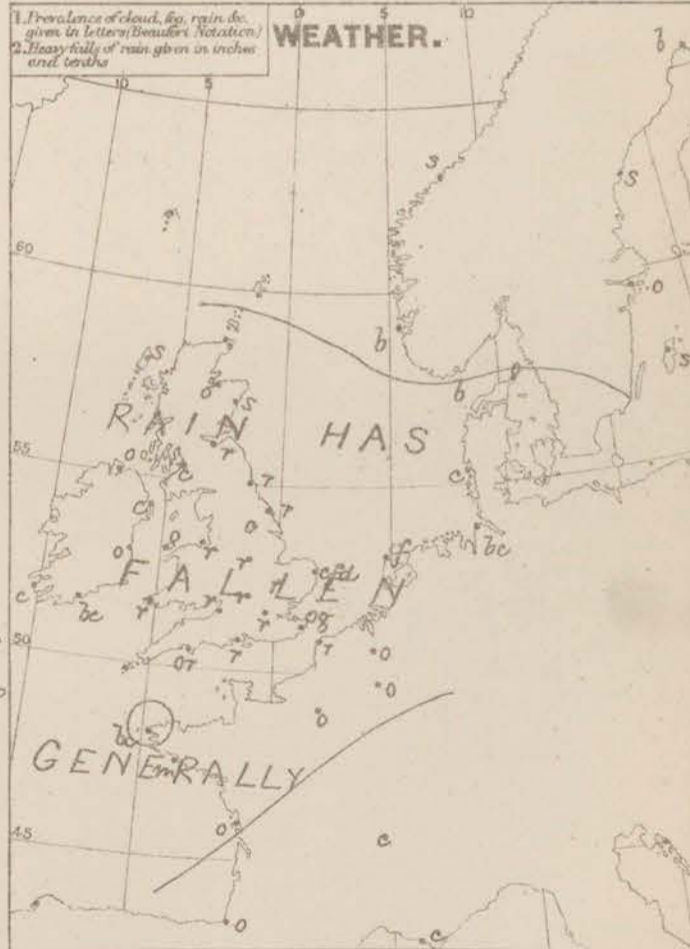
1. Arrows fly with the wind. Force 0 to 10 ————  
Force 11 to 20 ————  
Force 21 to 30 ————  
Force 31 to 40 ————  
Force 41 to 50 ————  
Force 51 to 60 ————  
Force 61 to 70 ————  
Force 71 to 80 ————  
Force 81 to 90 ————  
Force 91 to 100 ————
2. Dark curved arrow shows apparent general motion of air. See disturbance in shading.

## WIND & SEA.



1. Prevalence of cloud, fog, rain, &c. given in letters (Benevento Notation).
2. Heavy falls of rain given in inches and tenths.

## WEATHER.



Note: A dotted line is drawn round these coasts which the warning signals are now hoisted.

**REMARKS.** The weather during the past two days has been exceedingly unsettled, and the changes in pressure over these Islands sudden and considerable. On Saturday night a rather deep depression passed across Scotland, the wind freshening from W. and SW as it advanced, and from N on our east coast as it travelled away. In its rear the barometer rose, the sky cleared, and very fine weather set in but yesterday evening's reports showed a fresh decrease in the West and this morning a deep disturbance is lying off the west of Scotland, and the barometer is falling over the whole of these Islands and France. On the eastern shores of the North Sea the recovery noticed here yesterday is now in progress. The wind is light from NW over Ireland but is fresh from SW over England, and from SE in Scotland. Temperature is not changing much here but in the Bay of Bother it has fallen several degrees, and at Haparanda is 15° below zero Fahr. The sky is clear in the south of Norway but snow is falling at Christiansund and Hornoy, and rain over nearly the whole of England. Elsewhere the sky is overcast. The sea is moderate to slight in most places. Warnings were issued to our west, south and south-east coasts on Saturday and to Scotland this morning.

Meteorological Office,  
116, Victoria Street, Westminster, S.W.

R. H. SCOTT.  
Director.

# DAILY WEATHER REPORT

FEB 13<sup>TH</sup> 1877.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 350 ft. and Sea Level.	Temp. in shade.	WIND.		Weather.	Barometer. Reading at 350 ft. and Sea Level.	SHADE TEMP.			Difference from 8 a.m. yesterday.	WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force (0 to 12).			Dry.	Wet.	Dir.		Force (0 to 12).	Max.			Min.				
Haparanda ...	29.83	-8	N	2	6	29.88	+ .07	- 9	- 7	+ 7	N	2	0	*	*	*	-		
Hernösand ...	29.81	0	NE	2	0	29.86	+ .19	- 1	- 1	- 8	NNE	1	0	*	*	*	0.04		
Stockholm ...	29.70	15	WNW	2	0	29.75	+ .06	8	8	- 9	NNE	2	0	*	*	*	0.04		
Wisby ...	29.78	24	N	4	0	29.76	+ .10	20	22	- 3	ESE	2	0	*	*	*	-		
Christiansund ...	29.67	30	SSW	3	0	29.58	- .13	29	27	- 3	ESE	3	0	*	32	27	-		
Skudesnaes ...	29.63	32	E	4	6	29.57	- .15	30	25	+ 2	E	4	0	4	?	28	-		
Oxö (Stiansand) ...	29.72	28	E	6	6	29.67	- .15	25	24	+ 1	NE	6	0	3	28	7	-		
Skagen (The Sæw) ...	29.77	23	SE	3	0	29.73	- .06	26	24	+ 3	E	2	0	2	36	21	-		
Fanö ...	29.61	32	ESE	6	C	29.59	- .12	27	27	- 2	ESE	4	C	*	32	27	0.04		
Cuxhaven ...	29.75	45	SSW	4	0	29.55	- .23	34	34	- 3	SE	4	5	*	4	32	-		
Sumburgh Head ...																			
Stornoway ...	29.81	38	SW	4	F	29.40	+ .13	35	34	0	W	4	C	4	42	32	0.44		
Thurso ...	29.35	35	SW	4	C	29.37	- .12	36	35	+ 1	S	1	C	2	37	32	0.32		
Wick ...	29.37	37	S	2	C	29.39	- .10	37	36	0	SW	1	0	1	40	33	0.49		
Nairn ...	29.37	37	Z	0	C	29.41	- .03	37	35	+ 3	Z	0	C	2	40	33	0.34		
Aberdeen ...	29.38	33	Z	0	C	29.41	- .12	35	34	0	W	1	F	2	37	33	0.65		
Leith ...	29.44	43	WSW	4	C	29.47	+ .01	41	39	+ 4	W	3	C	*	33	36	0.07		
Shields ...	29.50	43	W	3	C	29.52	- .05	42	41	+ 2	WNW	4	C	3	44	41	0.11		
York ...	29.58	45	W	4	C	29.61	- .00	44	42	0	W	2	C	*	38	42	0.01		
Scarborough ...	29.54	44	W	3	C	29.59	- .04	42	41	- 1	W	1	C	2	44	41	0.09		
Nottingham ...	29.68	46	WNW	3	0	29.69	+ .01	42	42	- 4	SW	1	C	*	34	41	0.04		
Ardrossan ...	29.49	46	WSW	4	F	29.54	+ .17	46	43	- 2	W	2	C	2	48	44	0.10		
Greencastle ...	29.49	42	W	3	0	29.55	+ .14	43	42	- 1	W	3	0	*	38	39	0.20		
Donaghadee ...	29.75	46	W	3	C	29.59	+ .13	42	42	- 3	WSW	3	0	2	49	42	0.08		
Kingstown ...	29.67	49	W	4	0	29.67	+ .11	48	46	- 2	W	3	om.	2	38	47	0.01		
Holyhead ...	29.69	47	W	3	0	29.68	+ .12	47	46	- 2	W	2	F	2	37	46	0.04		
Liverpool (Bidston) ...	29.65	46	WSW	5	0	29.64	+ .07	46	44	- 4	W	4	0	4	38	45	0.06		
Valencia ...	29.76	30	W	4	F	29.72	- .01	53	52	+ 6	W	4	om.	5	33	45	0.36		
Roche's Point... ..	29.79	50	WSW	4	0	29.74	+ .06	52	53	+ 5	WNW	5	0	4	34	47	0.15		
Pembroke ...	29.78	49	W	6	0	29.75	+ .08	49	49	- 1	WSW	1	od.	4	37	47	0.19		
Portishead ...	29.78	47	W	6	C	29.76	- .01	48	48	+ 1	WSW	3	0	3	32	44	0.37		
Scilly ...																			
Plymouth ...	29.58	50	W	3	0	29.54	- .02	53	53	+ 2	W	3	0	*	35	48	0.42		
Hurst Castle ...	29.81	50	WNW	4	C	29.78	- .09	50	50	+ 1	W	3	0	2	32	47	0.35		
Dover ...	29.74	47	W	3	C	29.75	- .15	47	46	- 1	WSW	2	C	2	31	45	0.19		
London ...	29.75	50	WNW	4	0	29.74	- .11	47	47	0	WSW	2	0	*	32	46	0.25		
Oxford ...						29.74	- .06	47	46	0	WSW	2	0	*	34	45	0.09		
Cambridge ...	29.70	48	W	1	0	29.71	- .09	46	45	+ 1	WSW	1	0	*	34	41	0.12		
Yarmouth ...	29.61	46	WNW	4	C	29.65	- .14	44	43	- 1	W	3	om.	2	31	42	0.11		
The Helder... ..						29.60	- .26	45	44	+ 3	W	2	C	*	*	*	0.43		
Cape Gris Nez ...	29.74	50	W	5	0	29.77	- .15	48	48	0	W	5	F	4	32	46	0.32		
Brest ...	?	54	S	4	m	?	?	52	52	+ 2	WNW	4	m	5	35	38	0.46		
L'Orient ...																			
Rochefort ...	30.12	52	W	4	F	30.13	- .07	54	53	+ 2	WNW	7	0	7	35	43	0.30		
Biarritz ...	30.34	?	WSW	3	C	30.36	+ .02	55	52	+ 3	WSW	4	0	4	37	48	-		
Corunna ...																			
Brussels ...						29.75	- .19	45		- 1	SW	3	F	*	*	*	0.11		
Charleville ...						29.78	- .20	41		- 4	WNW	3	F	*	*	*			
Paris ...	29.90	52	SW	3	C	29.87	- .19	53		+ 5	WSW	3	F	*	*	*	0.43		
Lyons ...						?	?	52		+ 2	S	2	F	*	*	*			
Toulon ...	30.11	52	WNW	6	C	30.04	- .11	52		+ 2	WNW	6	C	7	37	48	-		

## YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.
Skudesnaes ...	29.71	31	26	SE	4	2	Valencia ...	29.78	31	48	W	4	4
Thurso ...	29.87	34	34	SE	5	3	Scilly ...						
Scarborough ...	29.45	49	45	WNW	4	2	London ...	29.66	51	52	WSW	3	0
Greencastle ...	29.50	49	45	W	4	6	Rochefort ...	30.18	55	54	W	6	4
Holyhead ...	29.66	49	46	W	4	4							

The depression has advanced to the East of Scotland, and the wind has veered to NW in the North East of England.

## EXPLANATION OF COLUMNS.

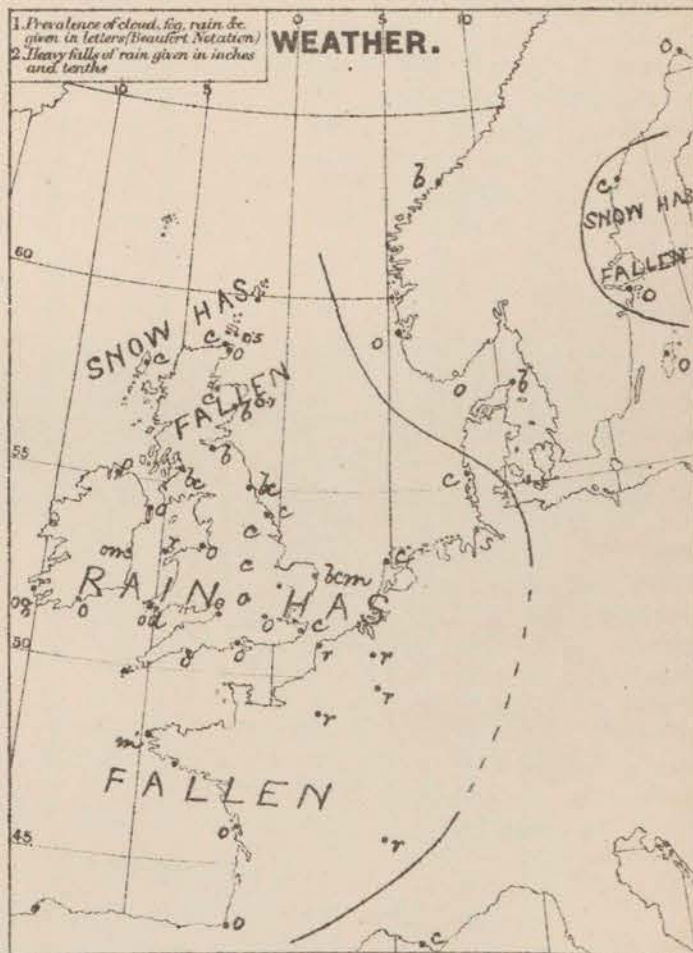
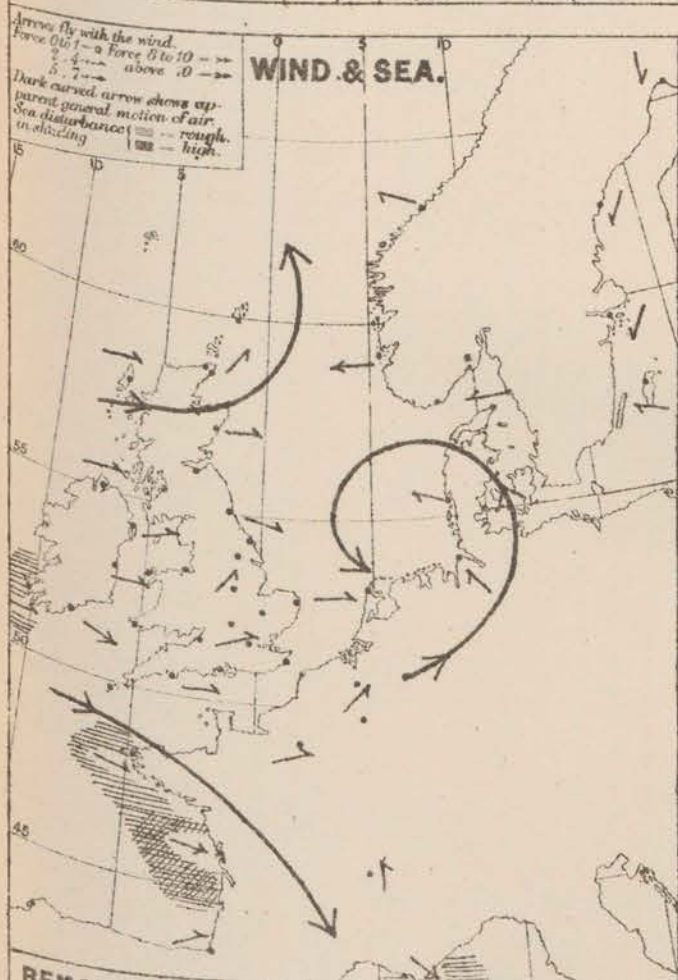
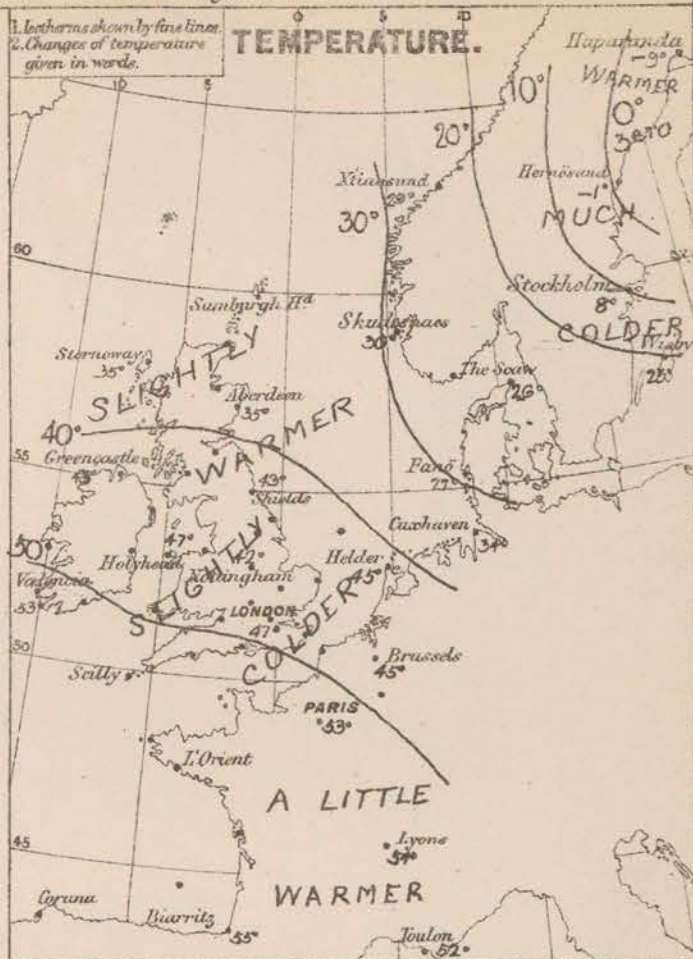
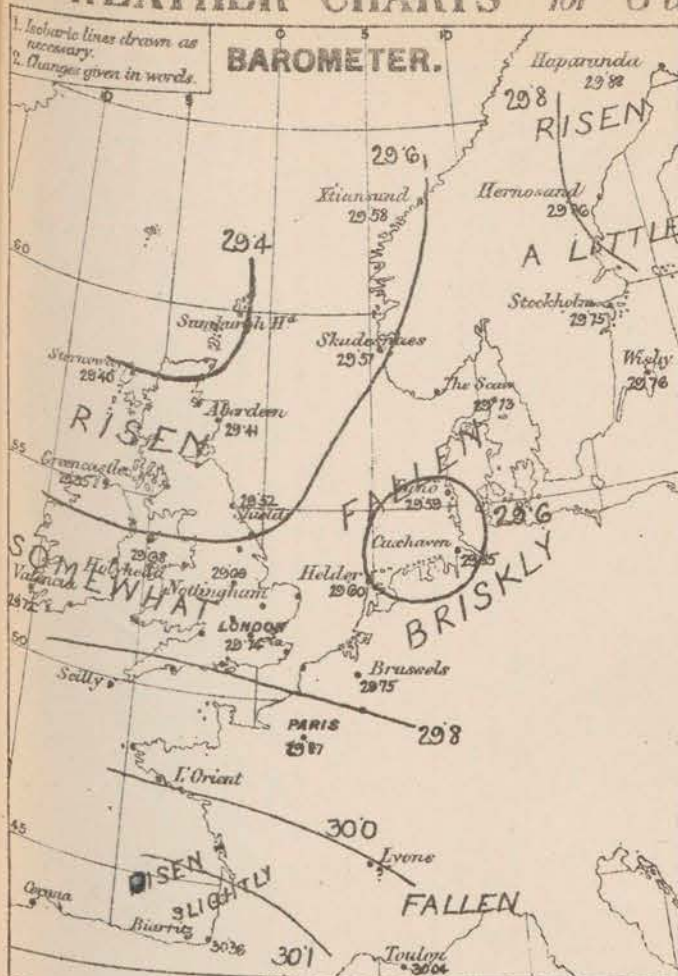
**WEATHER.**—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

N.B.—The wind is said to "veer" when its direction changes with the sea, and to "back" when it shifts in the opposite direction.

# WEATHER CHARTS for 8 a.m. on Tuesday 13<sup>th</sup> FEB<sup>y</sup> 1877.



**REMARKS.** Pressure continues to change suddenly and irregularly. The depression which was advancing over Scotland has travelled SE<sup>W</sup> to North Germany, while a second area of low pressure has advanced during the night to the north of Scotland. In consequence the barometer is now falling at all our more eastern stations as well as over Germany, Denmark and Scandinavia, while on our western coasts it is rising. The changes are, however, comparatively slight in most places. The wind is light from the W<sup>W</sup> at all our own and the French stations but in the south of Norway it is NE<sup>E</sup>, and over Denmark E<sup>E</sup>. Temperature is still very low in Sweden, and is inclined to fall in most parts of these islands but in the south of Ireland and over France it is rising. Rain has fallen generally with snow in the north of Scotland. The weather is now dry, though very cloudy. The sea is moderate to smooth except at Valentia and in the Bay of Biscay. Cones lowered in the north and north east this morning.

Meteorological Office,  
116, Victoria Street, Westminster, S.W.

R. H. SCOTT.  
Director.

# DAILY WEATHER REPORT

FEB<sup>y</sup> 14<sup>th</sup> 1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 35° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12).		Reading at 35° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	29.99	-6	SE	2	o	30.00	+ .12	-9	-9	o	SE	2	o	*	*	*	-	
Hernösand ...	30.03	-15	N	2	f	30.04	+ .18	-8	-8	-7	NE	2	o	*	*	*	-	
Stockholm ...	?	2	Z	o	f	30.07	+ .22	5	4	-3	Z	o	f	*	*	*	-	
Wisby ...	29.91	18	NE	6	o	30.12	+ .28	16	15	-7	ESE	4	o	*	*	*	0.04	
Christiansund ...	29.66	28	SE	1	f	29.70	+ .17	28	24	4	SSE	1	6	3	32	21	-	
Skudesnaes ...	29.68	30	ENE	6	o	29.81	+ .24	33	31	+3	SE	4	o	4	34	30	-	
Oxö (Xtiansand) ...	29.78	28	ENE	6	o	29.88	+ .21	32	32	+7	ESE	4	o	2	?	25	-	
Skagen (The Seaw)	29.84	30	SSE	4	o	29.94	+ .22	30	29	+6	S	5	o	4	30	25	-	
Fanö ...	29.74	30	S	6	o	29.91	+ .32	33	33	+6	SSW	4	o	*	32	28	-	
Cuxhaven ...	29.67	42	SSE	3	5	29.93	+ .38	34	33	o	SSW	1	f	*	*	30	-	
Sumburgh Head																		
Stornoway	29.76	40	N	3	f	29.82	+ .12	43	43	+8	SE	5	o	5	45	34	0.10	
Thurso ...	29.53	38	NSW	1	60	29.60	+ .23	37	36	+1	S	2	o	3	42	35	0.10	
Wick ...	29.56	37	NN	2	o	29.62	+ .23	40	39	+3	SSW	1	o	3	45	35	0.02	
Nairn ...	29.60	34	WSW	1	f	29.63	+ .22	39	38	+2	WSW	1	o	1	45	36	0.02	
Aberdeen ...	29.60	40	N	1	f	29.67	+ .26	37	35	+2	SW	1	o	1	45	37	-	
Leith ...	29.65	44	N.	3	f	29.70	+ .23	42	42	+1	S	2	o	*	49	39	0.09	
Shields ...	29.69	45	NNN	2	f	29.81	+ .39	42	41	-1	SW	1	o	1	48	38	0.10	
York ...	29.74	45	N	2	60	29.87	+ .26	42	42	-2	SSW	2	o	*	48	39	0.10	
Scarborough ...	29.72	44	N	2	f	29.86	+ .27	41	41	-1	SW	2	o	2	48	38	0.06	
Nottingham ...	29.75	43	Z	o	o	29.92	+ .23	46	46	+4	SW	1	o	*	50	40	0.10	
Ardrossan ...	29.71	46	SW	2	60	29.71	+ .17	47	46	+1	SSW	3	o	3	48	45	0.17	
Greencastle ...	29.68	44	N	2	o	29.66	+ .11	49	49	+6	WSW	1	o	*	49	42	0.21	
Donaghadee ...	29.74	45	N	3	60	29.76	+ .17	48	46	+6	WSW	2	o	1	48	41	0.06	
Kingstown ...	29.78	46	SE	2	P	29.84	+ .17	52	49	+4	SW	4	o	2	53	46	0.39	
Holyhead ...	29.78	45	SW	1	m	29.86	+ .18	49	49	+2	SSW	4	o	3	50	44	0.29	
Liverpool (Bidston)	29.78	43	N	1	o	29.86	+ .22	49	48	+3	SW	2	o	3	50	42	0.24	
Valencia ...	29.85	52	N	5	o	29.83	+ .11	52	51	-1	SW	7	o	6	54	51	0.01	
Roche's Point...	29.85	54	NNN	5	o	29.93	+ .19	52	51	-2	WSW	3	o	4	56	48	-	
Pembroke ...	29.81	51	N	8	o	29.97	+ .22	50	49	+1	WSW	3	o	3	51	48	0.14	
Portishead ...	29.82	50	WSW	6	o	30.00	+ .24	50	48	+2	WSW	3	o	4	52	45	0.06	
Scilly ...																		
Plymouth ...	29.93	53	N	4	o	30.07	+ .23	52	51	-1	N	3	o	*	55	50	-	
Hurst Castle ...	29.83	53	SW	5	o	30.00	+ .25	52	49	+2	NNN	3	o	3	53	48	0.04	
Dover ...	29.78	47	Z	o	o	29.99	+ .24	48	48	+1	SW	2	o	1	51	45	0.08	
London ...	29.81	47	WSW	1	o	30.00	+ .28	51	50	+4	SW	1	o	*	51	44	0.41	
Oxford ...	*	*	*	*	*	29.98	+ .24	50	48	+3	WSW	2	o	*	51	44	0.41	
Cambridge ...	29.78	44	NNN	1	o	29.95	+ .24	46	46	o	SSW	1	o	*	50	41	0.27	
Yarmouth ...	29.74	44	NNN	2	m	29.94	+ .31	43	43	-1	SSW	1	o	2	49	37	0.04	
The Helder...	*	*	*	*	*	29.98	+ .38	42	42	-2	Z	o	o	*	*	*	-	
Cape Gris Nez	29.83	48	NN	2	P	30.01	+ .21	48	48	o	WSW	3	o	3	50	45	0.39	
Brest ...	30.12	55	NNN	4	o	30.21	?	52	50	-2	NNN	3	o	5	?	50	-	
L'Orient ...																		
Rochefort ...	30.21	59	NNN	5	o	30.26	+ .13	52	50	-2	NN	3	o	3	52	48	-	
Biarritz ...	30.27	57	WSW	4	60	30.30	- .06	48	43	-7	ESE	1	60	5	?	43	-	
Corunna ...	*	*	*	*	*													
Brussels ...	*	*	*	*	*	30.07	+ .32	43	*	-2	SW	3	o	*	*	*	*	
Charleville ...	*	*	*	*	*	? 30.03	+ .25	41	*	o	ENE	1	o	*	*	*	*	
Paris ...	29.92	55	SW	4	n	30.12	+ .25	51	*	-2	N	4	o	*	*	*	-	
Lyons ...	*	*	*	*	*	?	?	55	*	+1	NN	2	o	*	*	*	*	
Toulon ...	29.96	55	NN	6	f	29.98	+ .06	50	45	-2	NN	6	60	7	51	50	-	

## YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.62	32	29	NNE	4	o	4	Valencia .....	29.82	53	52	N	5	4	5
Thurso .....	29.44	39	38	SW	1	c	2	Scilly .....							
Scarborough ...	29.73	48	45	N	2	o	2	London .....	29.75	51	50	SW	1	os	*
Greencastle ...	29.62	47	45	N	2	o	2	Rochefort ...	30.21	55	54	NNN	6	o	7
Holyhead .....	29.71	46	45	N	1	f	1								

The barometer has risen in most places since the morning, but a small subsidiary disturbance has caused a fall at Pembroke, and the NW wind to increase considerably.

## EXPLANATION OF COLUMNS.

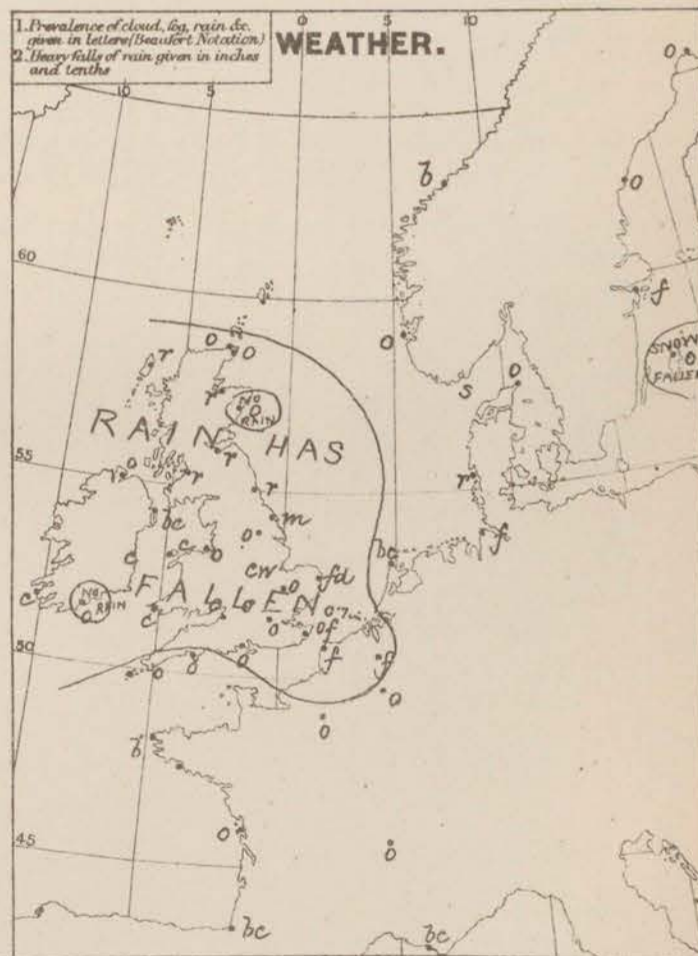
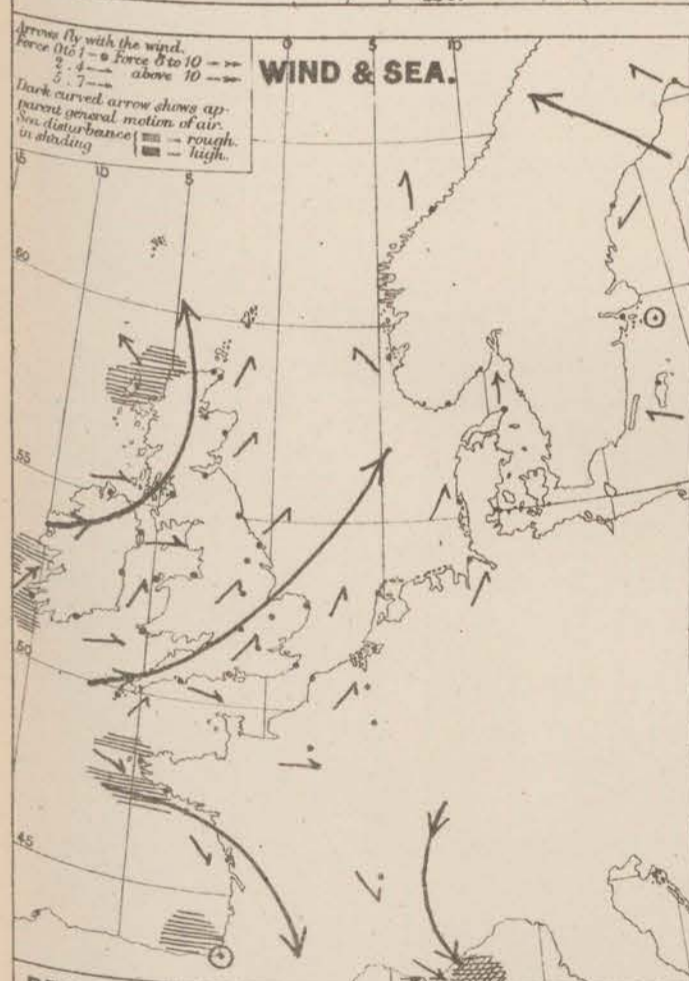
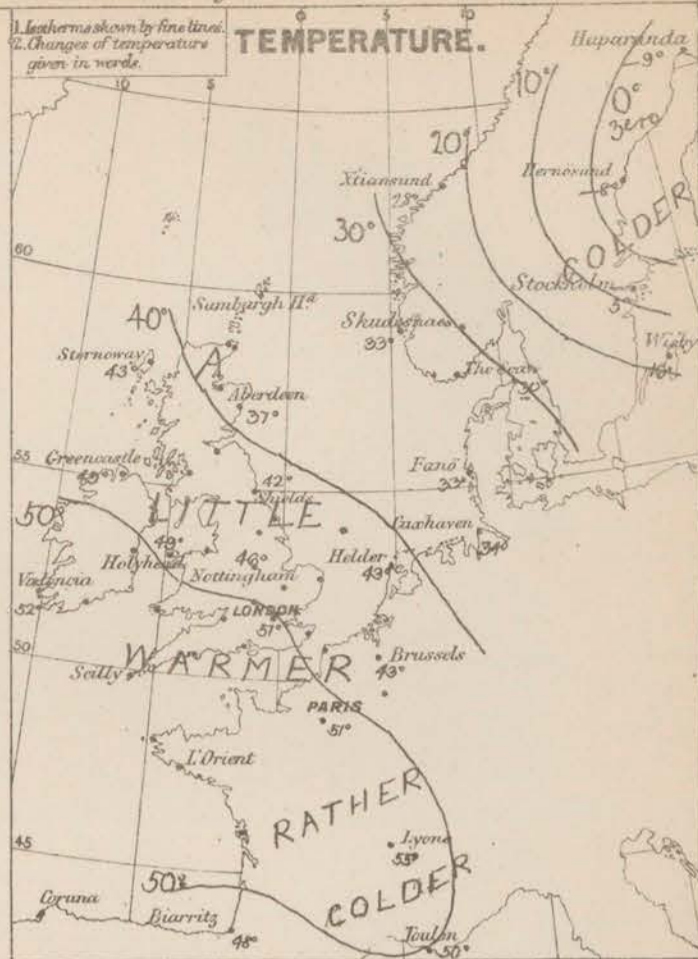
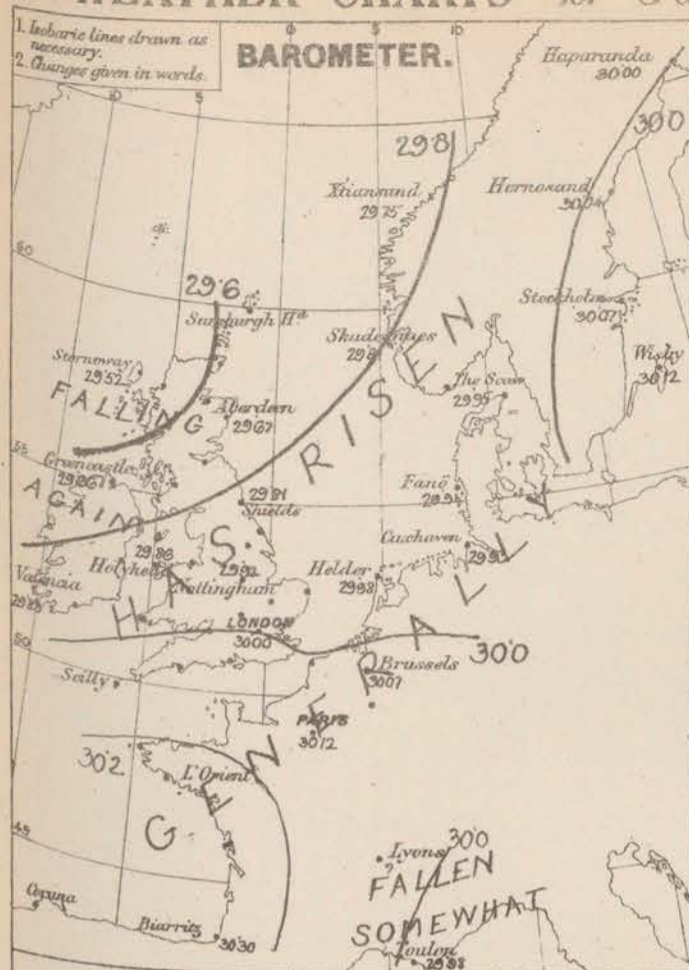
**WEATHER.**—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. equally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

N.B.—The wind is said to "veer" when its direction changes with the sea, and to "back" when it shifts in the opposite direction.

WEATHER CHARTS *for 8 a.m. on Wednesday 14<sup>TH</sup> FEBY 1877.*



REMARKS. Since yesterday morning the barometer has risen at all but the southern French stations, the change being greatest at the Baltic and North German stations but during the night a fresh decrease has commenced in the north west and west of these Islands. The lowest pressure is reported from Stornoway and the highest is still found over Spain but a second area of high readings is apparently becoming established in the north-east. In consequence we find that while SW<sup>ly</sup> breezes continue on most of our coasts, together with W<sup>ly</sup> winds in the Channel and NW<sup>ly</sup> winds over France. E<sup>ly</sup> to SE<sup>ly</sup> breezes are reported from Norway and the Skager Rack. Temperature has risen at most of our stations but fallen in the southwest and over France, while in Sweden the weather continues very cold. The sky is overcast and rain has been general, the fall being rather large in the south east. The sea is rough in the extreme west and in the Bay of Biscay, slight elsewhere.

Subscription for these Charts payable in advance to cover delivery. Delivery by hand 10/- per quarter, book post 5/- per quarter.

Meteorological Office,  
116, Victoria Street, Westminster, S.W.

R. H. SCOTT.  
Director.

# DAILY WEATHER REPORT

FEB 15<sup>TH</sup> 1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)		SHADE TEMP.		Amount of Rainfall.
			Dir.	Force, (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force, (0 to 12).				Max.	Min.	
Haparanda ...	29.87	0	SE	4	o	29.82	-18	0	0	+ 9	SE	2	o	*	*	*	*	0.08
Hernösand ...	29.80	-2	Z	o	b	29.69	-35	4	3	+ 12	NE	2	o	*	*	*	*	-
Stockholm ...	30.02	19	WSW	4	o	29.82	-25	26	26	+ 21	SSW	6	f	*	*	*	*	-
Wisby ...	30.17	17	SSE	6	b	29.95	-17	27	26	+ 11	SW	6	o	*	*	*	*	-
Christiansund ...	29.82	37	SSW	3	c	29.43	-32	37	33	+ 9	ESE	5	o	3	37	27	-	-
Skudesnaes ...	29.73	45	SE	4	o	29.57	-24	37	37	+ 4	SSE	6	of	5	?	?	?	0.20
Oxö (Xtiansand) ...	29.85	31	NE	4	o	29.66	-22	32	32	o	NNE	4	m	2	32	28	-	-
Skagen (The Seaw)	29.88	33	S	5	o	29.71	-24	35	35	+ 5	S	5	o	5	?	28	0.20	-
Fanö ...	29.91	37	S	4	o	29.54	-07	41	41	+ 8	WSW	4	c	*	41	32	0.24	-
Cuxhaven ...	29.99	44	SSW	2	f	29.90	-03	45	45	+ 11	WSW	3	f	*	?	34	0.31	-
Sumburgh Head																		
Stornoway ...	29.41	47	SW	3	o	29.33	-19	44	43	+ 1	SSW	3	r	4	49	43	0.07	-
Thurso ...	29.47	42	SSW	1	b	29.39	-21	42	41	+ 5	S	1	r	1	49	36	0.06	-
Wick ...	29.47	45	SSW	2	b	29.39	-23	45	45	+ 5	SW	1	o	1	47	39	0.04	-
Nairn ...	29.58	46	WSW	1	b	29.41	-22	49	46	+ 10	SW	3	f	2	51	39	0.18	-
Aberdeen ...	29.46	48	SW	4	b	29.50	-17	48	46	+ 11	SSW	4	b	1	50	37	0.53	-
Leith ...	29.66	53	WSW	4	c	29.66	-04	49	47	+ 7	SW	4	b	*	58	41	0.02	-
Shields ...	29.78	52	SW	4	o	29.73	-08	48	44	+ 6	SSW	2	c	1	58	42	0.04	-
York ...	29.86	52	WSW	4	c	29.82	-05	47	45	+ 5	SW	2	f	*	55	41	-	-
Scarborough ...	29.86	57	WSW	2	b	29.78	-06	45	44	+ 4	SW	2	f	2	?	41	0.02	-
Nottingham ...	29.95	53	SSW	3	o	29.91	-01	47	45	+ 1	SSW	4	f	*	60	46	-	-
Ardrossan ...	29.70	49	SSW	4	r	29.58	-13	47	45	o	SSW	6	c	5	49	47	0.06	-
Greencastle ...	29.64	49	SW	2	r	29.47	-19	47	45	- 2	SSW	3	o	*	51	41	0.15	-
Donaghadee ...	29.75	48	SSW	2	o	29.60	-16	47	47	- 1	SSW	5	c	3	52	45	0.04	-
Kingstown ...	29.83	54	SW	3	c	29.68	-16	57	48	- 1	S	4	c	3	53	49	-	-
Holyhead ...	29.87	50	SW	5	m	29.72	-14	49	48	o	SSW	5	m	4	53	49	-	-
Liverpool (Bidston)	29.88	51	WSW	4	c	29.80	-06	50	45	+ 1	S	2	c	3	54	46	-	-
Valencia ...	29.79	53	SSW	7	c	29.56	-27	52	57	o	S	7	r	6	54	50	0.02	-
Roche's Point...	29.92	52	SW	4	o	29.68	-25	57	50	- 1	SW	6	o	5	55	47	-	-
Pembroke ...	29.96	50	SW	4	b	29.80	-17	50	49	o	S	6	cm	6	52	48	-	-
Portishead ...	30.00	52	W	4	o	29.91	-09	50	48	o	SSW	4	o	3	53	45	-	-
Scilly ...																		
Plymouth ...	30.06	52	SW	2	o	29.93	-14	51	50	- 1	SW	3	o	*	56	49	-	-
Hurst Castle ...	30.03	57	SW	3	o	29.96	-07	50	49	- 2	W	4	o	3	52	48	-	-
Dover ...	30.05	52	W	3	o	30.01	+ 02	48	47	o	SW	2	b	1	53	46	-	-
London ...	30.04	54	Z	o	cm	29.97	-03	48	48	- 3	SSW	2	c	*	54	46	-	-
Oxford ...	*	*	*	*	*	29.91	-07	49	48	- 2	SW	1	o	*	55	45	-	-
Cambridge ...	30.00	50	SSW	1	b	29.93	-02	45	45	- 1	SSW	1	o	*	57	43	-	-
Yarmouth ...	29.95	48	WSW	2	b	29.96	00	44	44	+ 1	SW	1	cm	2	57	43	0.02	-
The Helder ...	*	*	*	*	*	29.95	-03	47	46	+ 4	SW	2	c	*	*	*	0.04	-
Cape Gris Nez	30.07	50	WSW	2	m	30.03	+ 02	48	46	o	SW	3	c	2	50	46	-	-
Brest ...	30.16	?	SW	3	o	29.99	-24	52	48	o	SSW	3	b	5	44	48	-	-
L'Orient ...	30.18	52	SW	1	o	30.03	-20	50	48	- 2	SSW	2	o	4	55	48	-	-
Rochefort ...	30.18	55	W	1	o	29.99	-27	63	61	+ 11	SE	4	b	3	?	48	-	-
Biarritz ...	?	61	?	2	c	29.99	-31	55	48	+ 7	S	1	b	4	63	43	-	-
Corunna ...	*	*	*	*	*						SW				*	*	*	-
Brussels ...	*	*	*	*	*	30.07	00	48	*	+ 5	SW	3	o	*	*	*	0.06	-
Charleville ...	*	*	*	*	*	30.10	+ 07	46	*	+ 5	SSE	1	o	*	*	*	*	-
Paris ...	30.17	52	W	3	o	30.09	-03	45	*	- 6	SSE	1	f	*	*	*	-	-
Lyons ...	*	*	*	*	*	?	?	53	*	- 2	SE	2	o	*	48	*	*	-
Toulon ...	29.98	55	ENE	2	b	30.13	+ 15	50	48	o	E	5	o	5	66	50	-	-

## YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.79	36	24	SE	4	sf	4	Valencia .....	29.82	54	52	SW	7	b	6
Thurso .....	29.50	43	42	SSW	2	b	2	Scilly .....							
Scarborough ...	29.53	53	50	WSW	3	c	3	London .....	30.03	54	50	WSW	2	o	*
Greencastle ...	29.66	49	49	W	1	o	*	Rochefort ...	30.22	57	54	WSW	1	o	3
Holyhead .....	29.89	52	57	SW	5	cm	4								

The barometer is falling in the West and North, and the wind is still strong from SSW at Valencia.

## EXPLANATION OF COLUMNS.

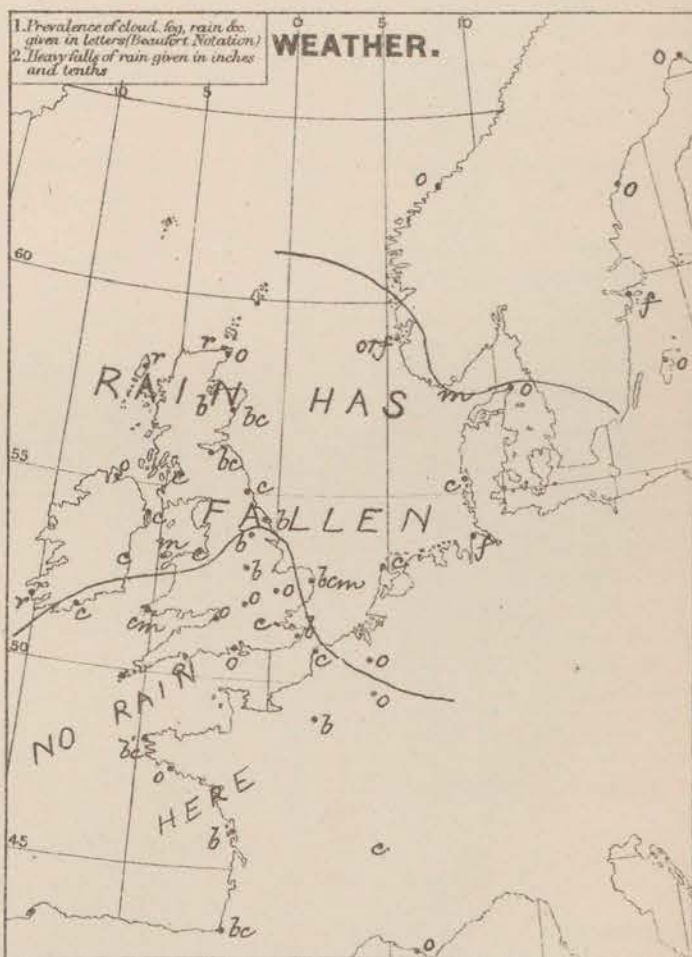
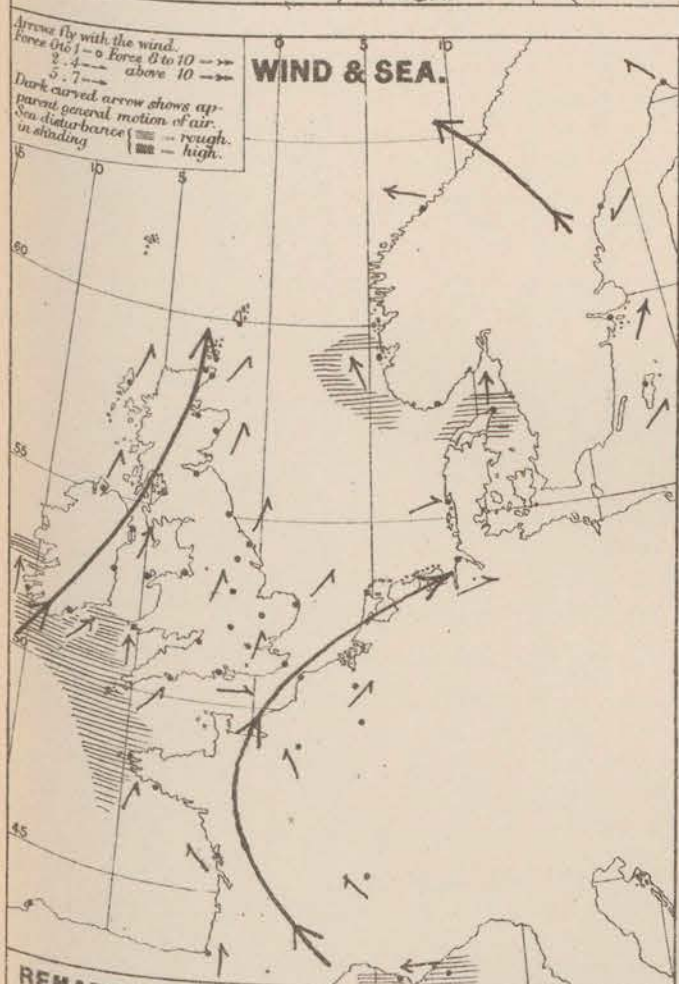
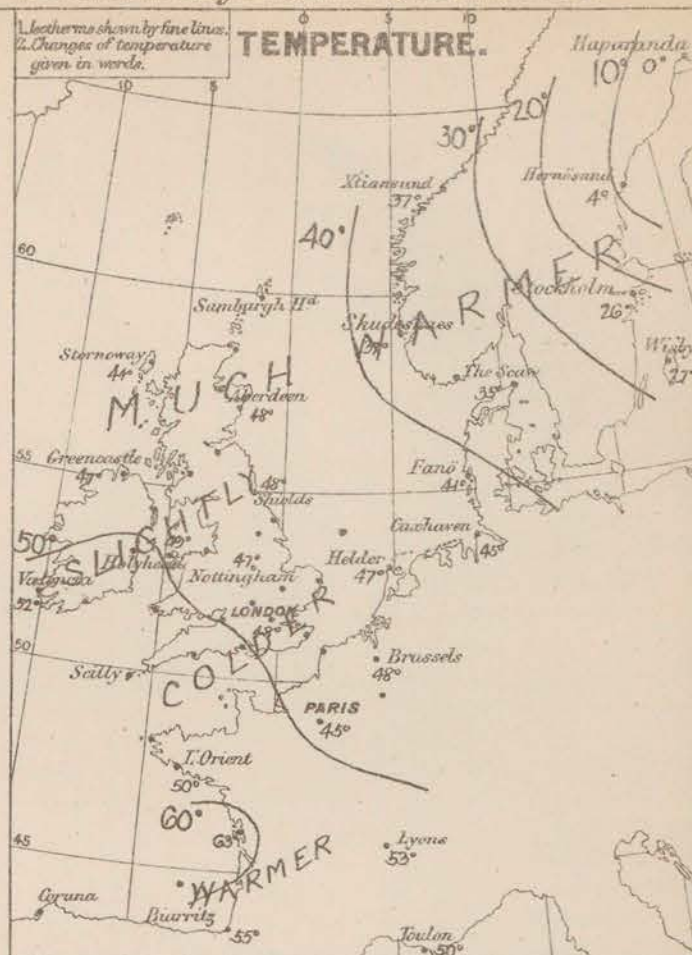
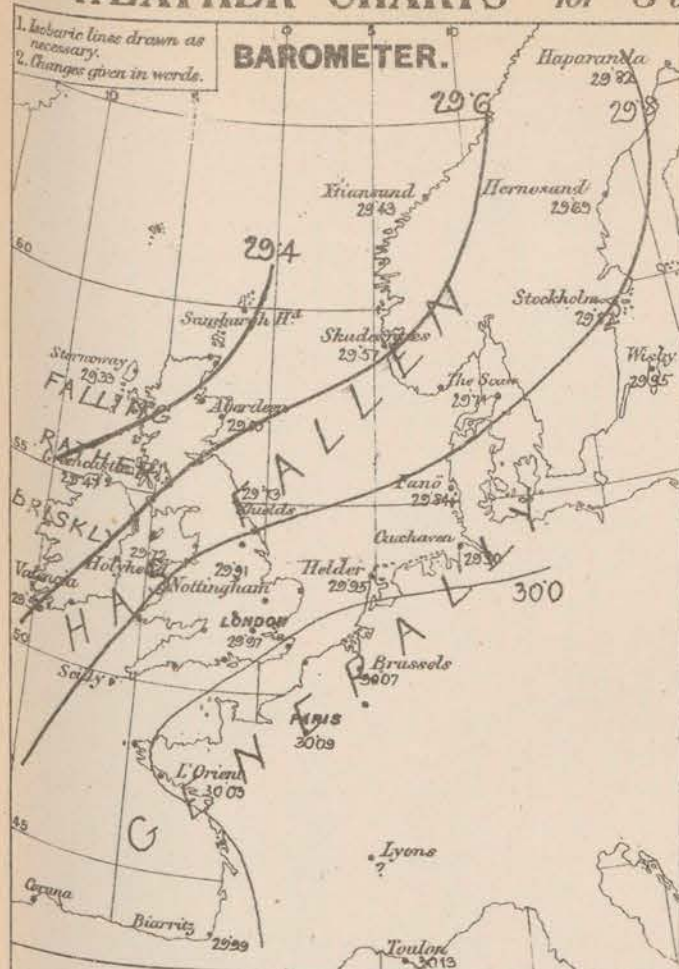
**WEATHER.**—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

† The evening observations are taken at 8 p.m. in our islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

**WEATHER CHARTS** for 8 a.m. on Thursday 15<sup>TH</sup> FEB<sup>Y</sup> 1877



REMARKS. During the past twenty-four hours the barometer has fallen over the whole of Western Europe the change being greatest in the west and north, and least in the southeast. The lowest pressures are still found to the NW<sup>W</sup> of Scotland but the highest have been transferred from Western to Central France while the area of high readings which was being formed in the north-east yesterday has apparently been broken up. Light S<sup>W</sup> breezes prevail over the Bay of Biscay but over these Islands, Denmark and Sweden SW<sup>W</sup> winds are reported. On most coasts they are moderate or light in force but at our western stations blow strongly. Temperature has changed irregularly; over the Baltic, our eastern stations and the west of France it has risen several degrees, and at Rochefort is now as high as 63° Fahr. Rain has fallen in the north and north-west, and still continues at Valentia and Norway. The sky is overcast except on our north-east coast. The sea is rough in the west, moderate to slight elsewhere.

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Meteorological Office,  
116, Victoria Street, Westminster, S.W.

**R. H. SCOTT.**  
Director.

# DAILY WEATHER REPORT FEB 16<sup>TH</sup> 1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rain.	
			Dir.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	29.86	-14	N	2	b	29.98	+ .16	-21	-21	-21	N	4	b	*	*	*	-	
Hernösand ...	29.82	6	E	4	o	29.91	+ .22	-2	-2	-6	ENE	4	o	*	*	*	-	
Stockholm ...	29.64	30	Z	0	o	29.69	- .15	20	19	-6	NE	2	o	*	*	*	0.08	
Wisby ...	29.73	33	WSW	4	f	29.71	- .24	36	35	+9	WSW	4	f	*	*	*	0.04	
Christiansund ...	29.35	37	S	1	P	29.12	- .31	40	37	+3	E	5	o	3	?	?	-	
Skudesnaes ...	29.48	37	S	6	o	29.83	- .24	37	37	0	SW	4	ff	5	39	37	0.03	
Oxö (Xtiansand) ...	29.62	35	SW	2	f	29.43	- .23	37	37	+5	S	4	f	3	?	34	-	
Skagen (The Seaw) ...	29.67	36	WSW	5	f	29.32	- .19	37	36	+2	SW	4	o	3	39	34	0.04	
Fanö ...	29.80	40	SW	4	o	29.61	- .23	40	40	-1	SSW	4	o	*	41	39	-	
Cuxhaven ...	29.89	49	WSW	2	o	29.70	- .20	44	43	-1	SW	2	o	*	41	41	-	
Sumburgh Head ...																		
Stornoway ...	29.27	38	WSW	2	o	29.35	+ .02	38	36	-6	NNW	4	b	4	44	34	0.36	
Thurso ...	29.25	42	NNW	2	o	29.07	- .32	40	39	-2	NN	9	og	6	47	32	0.24	
Wick ...	29.16	40	SW	2	bc	29.07	- .32	40	39	-5	N	7	o	3	48	33	0.06	
Nairn ...	29.30	42	SW	2	f	29.24	- .15	38	36	-11	N	5	b	3	52	35	0.14	
Aberdeen ...	29.27	45	S	4	f	29.27	- .23	41	37	-7	N	5	b	1	57	35	0.01	
Leith ...	29.34	43	N	5	f	29.22	- .24	42	40	-7	N	5	c	*	56	36	0.08	
Shields ...	29.48	51	SSW	5	c	29.53	- .20	40	37	-8	WSW	2	bc	1	54	37	-	
York ...	29.61	32	SSW	3	c	29.65	- .17	36	35	-11	SW	1	b	*	54	35	0.01	
Scarborough ...	29.58	49	SW	3	c	29.61	- .19	37	36	-8	WSW	3	b	2	52	35	-	
Nottingham ...	29.47	50	SW	5	o	29.73	- .18	35	34	-12	SW	2	b	*	54	33	0.23	
Ardrossan ...	29.45	42	NNW	5	f	29.52	- .06	45	43	-2	N	5	epg	4	50	40	0.55	
Greencastle ...	29.47	40	N	3	b	29.61	+ .14	44	40	-3	NN	3	o	*	49	35	0.30	
Donaghadee ...	29.54	44	N	4	c	29.64	+ .04	38	38	-9	N	5	bc	4	50	35	0.16	
Kingstown ...	29.60	46	NNW	5	o	29.77	+ .09	40	38	-11	N	5	b	4	55	39	0.01	
Holyhead ...	29.07	47	N	6	m	29.75	+ .03	42	40	-7	NNN	5	b	4	52	40	0.04	
Liverpool (Bidston) ...	29.59	51	S	3	o	29.70	- .10	41	40	-9	N	5	c	4	55	38	0.13	
Valencia ...	29.76	44	SW	4	c	29.96	+ .40	45	42	-7	NNW	4	c	3	53	40	0.04	
Roche's Point... ..	29.75	46	NNW	5	o	29.90	+ .22	41	39	-10	NNW	4	b	3	52	38	0.16	
Pembroke ...	29.65	50	SW	5	o	29.83	+ .03	44	42	-6	NNW	5	bc	3	52	41	0.14	
Portishead ...	29.72	51	SSW	5	o	29.82	- .09	40	38	-10	N	3	b	3	54	37	0.18	
Scilly ...																		
Plymouth ...	29.75	53	SSW	3	o	30.04	+ .08	42	40	-9	N	2	bc	*	55	39	0.03	
Hurst Castle ...	29.79	51	SW	5	o	29.84	- .05	42	41	-8	NN	2	b	2	51	39	0.01	
Dover ...	29.85	49	SSW	3	b	29.74	- .27	43	41	-5	NNN	3	bc	2	50	42	0.04	
London ...	29.83	51	SW	3	o	29.80	- .17	41	40	-7	N	3	b	*	52	40	0.02	
Oxford ...	*	*	*	*	*	29.70	- .11	37	36	-12	N	2	b	*	52	37	0.10	
Cambridge ...	29.77	48	SSW	1	o	29.76	- .17	39	39	-6	WSW	1	b	*	50	39	0.16	
Yarmouth ...	29.80	48	SSW	3	bc	29.70	- .26	40	40	-4	NNW	3	cf	2	49	39	0.11	
The Helder... ..	*	*	*	*	*	29.65	- .30	46	43	-1	SSW	3	f	*	*	*	0.04	
Cape Gris Nez ...	29.87	48	SW	2	bc	29.74	- .29	48	48	0	SSW	5	f	4	52	46	0.12	
Brest ...	29.86	57	SW	3	o	30.02	+ .03	45	41	-7	NNW	3	bc	4	?	43	0.04	
L'Orient ...	29.93	52	SW	3	bc	30.00	- .03	44	43	-4	NNW	4	bc	4	55	45	0.08	
Rochefort ...	30.00	55	NN	2	b	29.97	- .02	46	45	-17	SSE	3	o	3	?	39	-	
Biarritz ...	29.97	57	Z	0	c	30.05	+ .01	55	54	0	N	1	c	5	63	48	-	
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	29.80	- .27	47	*	-1	SW	3	o	*	*	*	0.04	
Charleville ...	*	*	*	*	*	29.87	- .23	42	*	-4	SSE	3	o	*	*	*	*	
Paris ...	29.91	49	SSE	2	b	29.91	- .18	42	*	-3	S	2	b	*	*	*	-	
Lyons ...	*	*	*	*	*	?	?	36	*	+3	S	2	c	*	*	*	*	
Toulon ...	30.11	52	E	4	m	30.19	+ .06	50	48	0	S	3	c	3	57	48	-	

## YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.52	39	39	SSE	4	f	Valencia ...	29.68	46	44	NNW	5	ff
Thurso ...	29.27	46	45	Z	0	P	Scilly ...						
Scarborough ...	29.64	32	49	SSW	3	c	London ...	29.88	52	49	SSW	3	o
Greencastle ...	29.41	45	44	N	3	f	Rochefort ...	29.96	57	54	SSW	1	b
Holyhead ...	29.60	51	49	SSW	6	bc							

A small subsidiary had advanced over the St George's Channel, and the barometer is rising at Valencia but falling elsewhere. The winds has shifted suddenly to the N in the South of Ireland but remains Southerly elsewhere.

## EXPLANATION OF COLUMNS.

**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.

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

N.B.—The wind is said to "veer" when its direction changes with the sea, and to "back" when it shifts to the opposite direction.



# DAILY WEATHER REPORT

FEB<sup>RY</sup> 17<sup>TH</sup> 1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Baromet. at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force, (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force, (0 to 12).			Max.	Min.		
Haparanda ...	30.09	-22	Z	0	0	30.23	+ .25	-22	-22	- 1	N	2	0	*	*	*	-	
Hernösand ...	29.94	1	NE	4	0	30.02	+ .11	2	2	+ 4	NE	6	0	*	*	*	-	
Stockholm ...	29.49	32	E	6	0	...	?	30	30	+ 10	NE	2	0	*	*	*	0.28	
Wisby ...	29.36	35	SSW	6	f	29.60	- .11	35	33	- 1	WSW	4	0	*	*	*	0.04	
Christiansund ...	29.32	37	ESE	2	0	29.59	+ .47	29	28	- 11	E	4	0	*	?	27	-	
Skudesnaes ...																		
Oxö (Xiansand) ...	29.33	32	SW	4	0	29.50	+ .07	22	22	- 15	NE	8	0	4	37	21	-	
Skagen (The Scaw) ...	29.41	35	SW	3	0	29.47	- .05	36	35	- 1	SW	3	0	2	39	32	0.08	
Fanö ...	29.53	34	SW	4	0	29.52	- .09	37	36	- 3	SW	2	0	*	41	36	0.16	
Cuxhaven ...	29.64	48	W	5	0	29.61	- .09	42	42	- 2	SW	4	0	*	3	37	0.04	
Sumburgh Head ...																		
Stornoway ...	29.38	41	NNW	5	0	29.88	+ .53	39	38	+ 1	NNW	1	0	4	44	37	0.22	
Thurso ...	29.47	44	NNW	6	0	29.76	+ .69	43	41	+ 3	NNW	6	0	6	46	38	0.09	
Wick ...	29.46	42	NNW	6	0	29.77	+ .70	42	41	+ 2	NNW	2	0	2	45	36	0.18	
Nairn ...	29.53	39	W	3	-	29.82	+ .56	41	39	+ 3	NNW	3	0	2	44	37	0.04	
Aberdeen ...	29.41	37	NNW	3	0	29.74	+ .47	42	39	+ 1	NNW	6	0	2	46	36	-	
Leith ...	29.54	44	NNW	4	0	29.83	+ .41	39	37	- 3	NNW	3	0	*	50	37	-	
Shields ...	29.38	45	W	5	0	29.85	+ .30	39	37	- 1	NNW	3	0	1	48	39	-	
York ...	29.70	43	W	1	0	29.86	+ .21	39	37	+ 3	NNW	1	0	*	47	35	-	
Scarborough ...	29.65	43	W	3	0	29.82	+ .21	42	39	+ 4	NNW	0	0	2	47	37	-	
Nottingham ...	29.79	43	NNW	6	0	29.90	+ .17	43	41	+ 8	NNW	3	0	*	50	34	0.01	
Ardrossan ...	29.65	45	NNW	7	0	29.92	+ .40	44	41	- 1	NNW	4	0	3	48	43	0.02	
Greencastle ...	29.77	43	NNW	3	0	29.97	+ .36	43	42	- 1	NNW	1	0	*	47	41	0.05	
Donaghadee ...	29.79	42	NNW	5	0	29.98	+ .36	43	42	+ 5	NNW	4	0	3	47	38	0.02	
Kingstown ...	29.89	44	NNW	5	0	30.05	+ .28	44	42	+ 4	NNW	4	0	3	45	39	-	
Holyhead ...	29.83	45	NNW	5	0	30.00	+ .35	45	43	+ 3	NNW	5	0	4	46	41	-	
Liverpool (Bidston) ...	29.78	44	W	5	0	29.94	+ .24	43	41	+ 2	NNW	4	0	4	46	42	0.07	
Valencia ...	30.09	47	W	3	0	30.20	+ .24	47	45	+ 2	NNW	2	0	2	49	41	0.05	
Roche's Point ...	30.06	45	NNW	5	0	30.16	+ .26	45	43	+ 4	NNW	5	0	3	48	41	0.04	
Pembroke ...	29.93	46	NNW	3	0	30.07	+ .24	46	44	+ 2	NNW	3	0	2	46	41	-	
Portishead ...	29.90	43	NNW	4	0	30.02	+ .20	43	41	+ 3	NNW	3	0	3	49	37	-	
Scilly ...																		
Plymouth ...	29.98	43	Z	0	0	30.11	+ .10	43	42	+ 1	W	2	0	*	53	40	0.02	
Hurst Castle ...	29.95	46	SW	3	0	30.00	+ .16	43	42	+ 1	NNW	2	0	2	49	40	-	
Dover ...	29.87	42	NNW	3	0	29.94	+ .30	42	39	- 1	NNW	2	0	2	47	38	-	
London ...	29.86	46	NNW	2	0	29.96	+ .16	43	42	+ 2	NNW	2	0	*	49	37	-	
Oxford ...	*	*	*	*	*	29.97	+ .17	42	40	+ 5	W	2	0	*	48	37	-	
Cambridge ...	29.71	43	WSW	2	0	29.91	+ .15	42	40	+ 3	NNW	1	0	*	50	38	-	
Yarmouth ...	29.76	43	W	3	0	29.83	+ .13	39	38	- 1	NNW	3	0	2	46	37	0.02	
The Helder ...	*	*	*	*	*	29.71	+ .06	45	43	- 1	W	3	0	*	*	*	0.08	
Cape Gris Nez ...	29.87	46	W	3	0	29.92	+ .18	43	41	- 5	W	4	0	3	53	43	0.04	
Brest ...	30.06	?	W	3	0	30.19	+ .17	46	43	+ 1	NNW	3	0	4	50	41	0.16	
L'Orient ...	30.08	45	NNW	4	0	30.21	+ .21	45	41	- 1	NNW	3	0	3	52	41	0.04	
Rochefort ...	30.03	52	NNW	5	0	30.15	+ .18	45	43	- 1	W	4	0	3	57	41	-	
Biarritz ...	30.13	59	NNW	3	0	30.22	+ .22	52	45	- 3	NNW	4	0	5	?	45	0.04	
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	29.90	+ .10	39	*	- 8	WSW	3	0	*	*	*	0.21	
Charleville ...	*	*	*	*	*	30.13	+ .26	37	*	- 5	WSW	3	0	*	*	*	*	
Paris ...	29.96	44	NNW	3	0	30.14	+ .13	38	*	- 4	WSW	3	0	*	*	*	0.12	
Lyons ...	*	*	*	*	*	?	?	38	*	- 6	NNW	2	0	*	*	*	*	
Toulon ...	30.12	32	S	3	m	30.00	- .19	48	46	- 2	NNW	4	0	4	?	?	-	

## YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudeanaes ...	30.25	38	37	SSE	6	rf	5	Valencia . . . .	30.05	44.9	45	NNW	3	49	3
Thurso . . . . .	29.36	43	43	NNW	5	c	5	Scilly . . . . .							
Scarborough ...	29.61	46	43	W	3	c	2	London . . . . .	29.85	47	41	NW	0	c	*
Greencastle ...	29.72	44	42	W	3	c	*	Rochefort ...	30.01	50	49	N.W.	4	0	3
Holyhead . . . .	29.81	45	43	NNW	6	c	5								

The depression in the N. has passed on over the North Sea, and the barometer is rising everywhere - briskly at Thurso. The wind is NNW on all coast, and blows fresh in the North.

## EXPLANATION OF COLUMNS.

**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.

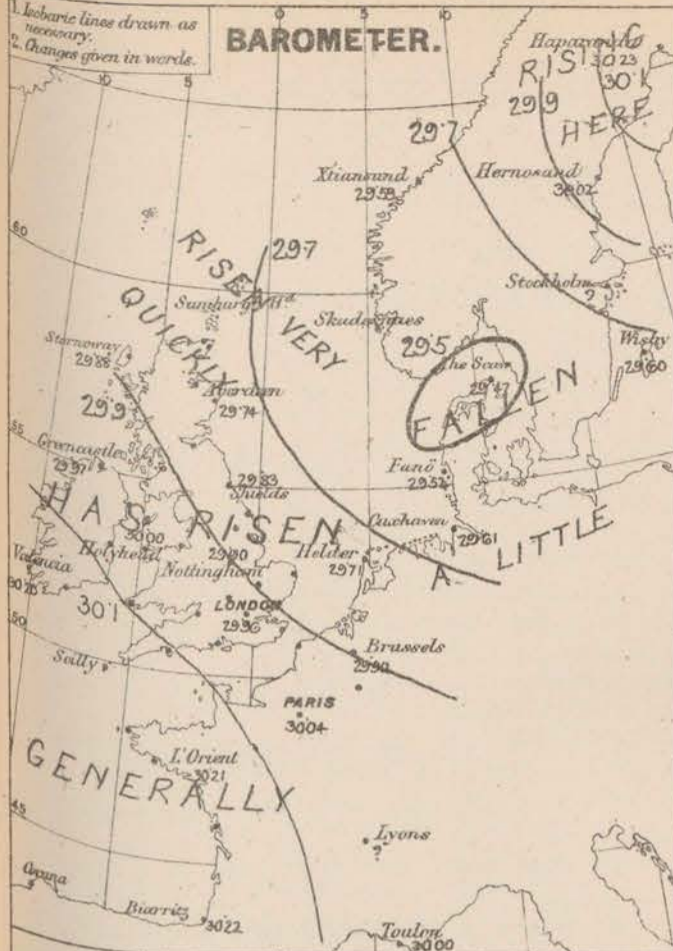
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

# WEATHER CHARTS for 8 a.m. on Saturday 17<sup>th</sup> FEB<sup>y</sup> 1877.

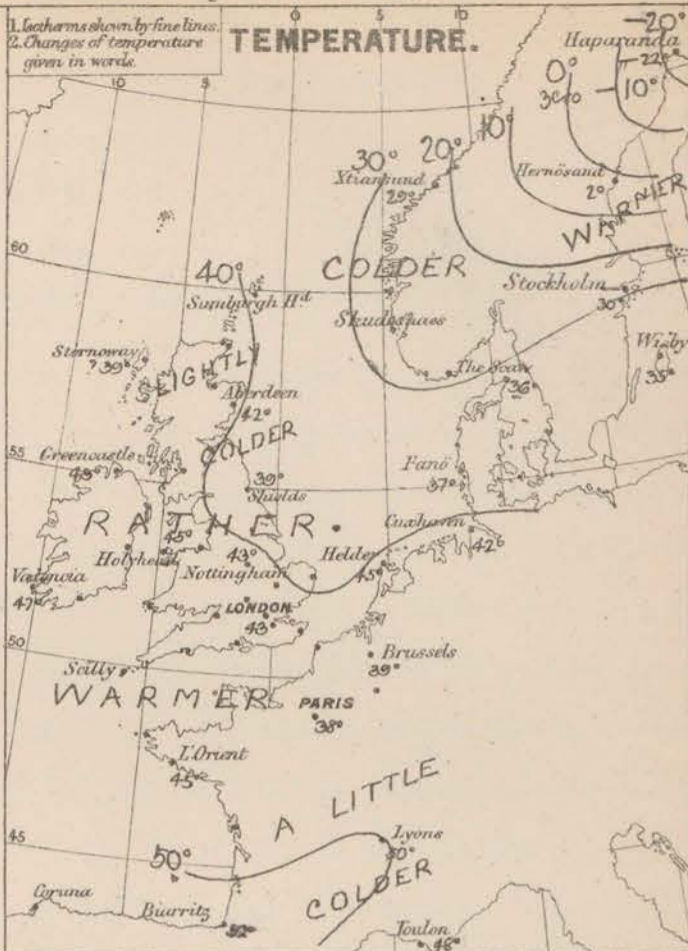
1. Isobars lines drawn as necessary.
2. Changes given in words.

## BAROMETER.



1. Isotherms shown by fine lines.
2. Changes of temperature given in words.

## TEMPERATURE.



1. Arrows fly with the wind.
2. Force 1 - 3 Force 3 to 10
3. Force 10 - 15 Force 15 to 20
4. Force 20 - 25 Force 25 to 30
5. Force 30 - 35 Force 35 to 40
6. Force 40 - 45 Force 45 to 50
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# SUMMARY OF WEATHER IN WESTERN EUROPE

from FEB<sup>y</sup> 11<sup>th</sup> to FEB<sup>y</sup> 17<sup>th</sup> 1877.

(Issued Weekly as a Supplement to the "Daily Weather Report.")

The rapid succession of depressions passing across our area which characterized last week has continued unchecked during the period at present under discussion, <sup>but</sup> owing to the fact that the part of the area of highest readings has been our S.W. Coast, the track of their centres has been from N.W. over our N.W. Coast and the North Sea to North Germany so that N.E. to N.W. breezes and rather colder air have been the prevailing conditions. These disturbances have been sufficient to cause the wind to blow freshly on our coasts, and frequent showers of rain have fallen generally, but we have not experienced any gale of importance. Temperature has oscillated somewhat but the general tendency was downward. At Haparanda it was very low. The weather has varied considerably and been generally unsettled.

FEB<sup>y</sup> 11<sup>th</sup> During the night a well defined and rather deep depression had advanced across Scotland, its centre at 8 am lying near Aberdeen. It had caused a fall of the barometer in nearly all parts of N.W. Europe, but while the decrease amounted to nearly half an inch in the N.E. it was very slight over France, so that gradient had become rather steep on our coasts. The wind which was N.W. to N.E. over these Islands and France, and S.W. to S.E. on the Eastern shores of the North Sea, consequently blew freshly or strongly at many of our stations. Temperature had fallen somewhat generally in the Gulf of Bothnia, where the thermometer has sunk below zero. Rain or snow had fallen except in S. of France, and though the weather at 8 am was clearing in the N. in the E. the sky was still overcast. Later Report showed the disturbance moving away S.E., the barometer rising over the Islands with a N.W. wind.

FEB<sup>y</sup> 12<sup>th</sup> The centre of the depression which on the previous morning lay near Aberdeen, had advanced S.E. as far as the N.E. of Germany, but the recovery which took place in its rear, though it still continued in the countries to the E. of the North Sea, had been succeeded in these Islands by a brisk fall owing to the advance of a fresh depression in the N. of Scotland. The wind was still N.W. to N.E. over Ireland, and the N. of France, and had veered to N. over the Baltic and Denmark, but over Britain and the N. of France it had backed to S. or S.E. and in many places was blowing strongly. Temperature had changed irregularly here, but had fallen several degrees in the Gulf of Bothnia, where it was as low as  $-16^{\circ}\text{F}$ . The sky was clear in the S. of Norway, but overcast elsewhere with snow in Sweden and rain over the greater part of England. During the day the barometer rose at our N.W. stations but fell over the North Sea as a large but shallow depression passed across Scotland.

FEB<sup>y</sup> 13<sup>th</sup> The depression which on the previous evening lay over Scotland, had travelled S.E. to the Mouth of the Elbe while a second, apparently equally slight, was following in the same track the centre of the latter being found off our extreme N. coasts. The mercury was rising over these Islands, and the N. of France, but falling in all other places. Calms prevailed over Scotland, and elsewhere the wind was moderate in force — from N. or N.W. over Ireland, England, and France, and from S.E. in Norway and Denmark. Temperature was rising over France and at our S.W. stations but was inclined to fall

elsewhere. In Sweden it continued low. The weather at 8 am was everywhere dry, though very cloudy. Very little change had occurred in the general distribution of pressure by the evening, but both depressions were filling up and the barometer was rising on all coasts.

FEB<sup>RY</sup> 14<sup>TH</sup> The barometer had risen in nearly all parts of Wm Europe, but in the S. of France, and also at our NWm stations the mercury had fallen during the night. The highest pressure lay over Spain, and NW<sup>ly</sup> breezes continued on the shores of the Bay of Biscay, but elsewhere the wind had backed to SW. and S. It was generally moderate in force but blew strongly at Valencia. Temperature had risen generally, but fallen in the SW. and over France, while it continued very low in Sweden. The sky was overcast with rain in the NW. Later in the day the barometer fell in the N. while it continued to rise in the S. so that gradients became rather steep and the wind freshened from the NW<sup>ly</sup> on our coasts.

FEB<sup>RY</sup> 15<sup>TH</sup> The barometer was falling over the whole of Wm Europe, the change being greatest in the W. The area of highest pressure had been transferred to the SE of France, while that of lowest lay off our NWm Coasts, so that S<sup>ly</sup> to SW<sup>ly</sup> winds prevailed at all our stations. They were generally moderate in force except in the SW. where a strong breeze was blowing. Temperature had risen several degrees on both shores of the North Sea, in Sweden and the N. of France, but fallen elsewhere. Rain was falling at some of our NWm and NWm stations, and the sky was overcast except in the NE. In the evening slight atmospheric oscillations were passing over us and the weather became very unsettled.

FEB<sup>RY</sup> 16<sup>TH</sup> During the night a deep depression had passed across our most NWm Coast, and the barometer was falling briskly at all our more E<sup>m</sup> stations as well as on the Continent generally, while in the West SW. a quick recovery was in progress. Gradients were rather steep and the wind in the W. and N. strong in force, though light in the E. In direction it was NW at most of our stations but drew into S. on the E<sup>m</sup> shores of the North Sea. Temperature had fallen several degrees generally and at Haparanda was as low as  $-21^{\circ}$  F. The evening reports showed the depression (which proved to be very large) lying over the North Sea, and S. of Norway while the barometer was rising on all <sup>out</sup> coasts.

FEB<sup>RY</sup> 17<sup>TH</sup> The depression still lay over the S. of Scandinavia but it was apparently becoming filled up, as the barometer was rising in all parts of our area except near its actual centre. The highest readings were found along our SWm Coasts, SE<sup>ward</sup> to the S. of France so that NW<sup>ly</sup> breezes were general. They were moderate in force in most places, but blew strongly at Liverpool, and in the NE. Over Denmark, that is, to the S<sup>ward</sup> of the disturbance light SW<sup>ly</sup> winds were reported. Temperature had risen over these Islands, but fallen on Continent. At Haparanda it was still over  $20^{\circ}$  below zero. The sky was cloudy at our NWm stations, but clear or nearly so in the East. No change of importance occurred during the day.

Meteorological Office,

116, Victoria Street, Westminster, S.W.

ROBERT H. SCOTT, Director.

# DAILY WEATHER REPORT

FEB<sup>RY</sup> 18<sup>TH</sup> 1877.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 350 f. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 5.)	SHADE TEMP.		Amount of Rainfall.		
			Direc.	Force. (0 to 12).		Reading at 350 f. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12).			Max.	Min.			
Haparanda ...	30.43	-22	Z	0	f	30.50	+27	-20	-20	+2	NE	2	f	*	*	*	-		
Hernösand ...	30.28	2	NE	8	S	30.33	+31	0	0	-2	NE	4	c	*	*	*	0.04		
Stockholm ...	29.87	25	ENE	4	r	30.02	?	13	13	-17	NE	6	o	*	*	*	-		
Wisby ...	29.85	31	SE	6	S	29.93	+33	32	31	-3	SE	6	o	*	*	*	-		
Christiansund ...	29.74	32	ESE	6	b	29.75	+16	31	27	+2	SE	6	c	3	32	27	-		
Skudesnaes ...	29.80	41	SE	6	o	29.91		29	29		SSE	6	sf	5	36	?	-		
Oxö (Xtiansand) ...	29.88	22	NE	6	o	29.99	+49	21	18	-1	NE	4	c	3	23	18	-		
Skagen (The Seaw) ...	29.83	25	NE	7	S	29.90	+43	26	24	-10	ENE	5	o	5	26	21	0.04		
Fanö ...	29.80	32	N	6	o	29.97	+45	30	28	-7	N	4	o	*	39	28	-		
Cuxhaven ...	29.68	47	NW	3	bc	29.97	+36	35	34	-7	NNW	4	o	*	41	34	0.07		
Sumburgh Head																			
Stornoway	29.85	43	SW	1	o	29.79	-109	38	37	-1	WSW	2	bc	4	46	36	0.07		
Thurso ...	29.80	41	Z	0	c	29.76	00	39	38	-4	W	3	c	3	47	39	0.07		
Wick ...	29.76	38	NN	1	b	29.72	-05	39	38	-3	W	2	bc	1	47	34	0.09		
Nairn ...	29.91	39	NNW	2	c	29.82	00	39	37	-2	W	1	o	1	45	38	0.06		
Aberdeen ...	29.89	42	NN	1	b	29.80	+06	39	37	-3	SW	1	bc	2	45	37	0.07		
Leith ...	29.93	43	NNW	3	c	29.86	+03	44	44	+5	W	1	o	*	44	37	0.08		
Shields ...	29.96	45	N	2	bc	29.90	+07	47	46	+5	W	1	om	2	48	39	0.07		
York ...	30.00	44	NN	1	o	29.96	+10	46	45	+7	SW	1	o	*	51	37	0.06		
Scarborough ...	29.97	42	NNW	1	c	29.93	+11	46	45	+5	WSW	2	o	2	47	40	0.04		
Nottingham ...	30.05	43	NNW	3	o	30.04	+14	44	43	+1	SW	3	o	*	49	41	0.01		
Ardrossan ...	29.98	47	SW	2	o	29.91	-31	45	44	+1	NNW	3	c	2	48	44	0.17		
Greencastle ...	29.95	46	W	2	o	29.91	-06	42	40	-1	NNW	2	b	*	48	40	0.09		
Donaghadee ...	30.03	45	SW	2	o	29.97	-01	44	43	+1	SW	2	bc	1	47	42	0.03		
Kingstown ...	30.05	47	NNW	4	o	30.02	-03	47	46	+3	NW	4	od	3	49	44	-		
Holyhead ...	30.06	47	WSW	2	o	29.99	-01	47	46	+2	SW	2	r	1	49	45	0.01		
Liverpool (Bidston) ...	30.04	46	W	3	o	29.99	+05	46	45	+3	WSW	1	o	2	47	40	0.05		
Valencia ...	30.15	49	WSW	4	o	30.10	-10	45	43	-2	NNW	1	r	2	51	45	0.14		
Roche's Point ...	30.16	49	W	3	c	30.07	-09	45	44	0	NNW	4	r	3	52	44	0.06		
Pembroke ...	30.18	48	NNW	3	o	30.06	-01	45	44	+2	WSW	3	o	3	48	45	0.01		
Portishead ...	30.10	47	NNW	3	c	30.08	+06	46	46	+3	WSW	3	m	2	51	40	0.01		
Scilly ...																			
Plymouth ...	30.17	47	NN	2	bc	30.10	+05	47	47	+4	NW	2	o	*	52	41	-		
Hurst Castle ...	30.09	48	NW	2	c	30.12	+12	48	48	+5	NW	4	c	3	52	41	-		
Dover ...	30.03	45	NNW	3	bc	30.10	+16	44	43	+2	SW	3	bc	2	47	41	0.02		
London ...	30.07	46	NNW	2	bc	30.10	+14	44	42	+1	SW	1	c	*	49	39	0.01		
Oxford ...						30.08	+11	44	44	+2	WSW	1	o	*	49	42	0.01		
Cambridge ...	30.06	40	NN	2	o	30.06	+15	43	43	+1	SW	1	o	*	51	39	0.04		
Yarmouth ...	29.97	43	NN	2	o	30.03	+20	42	41	+3	WSW	2	bc	2	46	37	0.02		
The Helder ...						30.03	+32	44	42	-1	NNW	1	bc	*	*	*	0.04		
Cape Gris Nez	30.02	46	NNW	4	bc	30.12	+20	46	45	+3	SW	1	o	1	48	43	-		
Brest ...	30.28	52	NNW	3	o	30.27	+08	48	45	+2	W	3	o	3	?	45	-		
L'Orient ...	30.25	50	NNW	3	o	30.20	+09	46	45	+1	NN	2	o	3	54	43	-		
Rochefort ...	30.16	54	NNW	5	bc	30.20	+10	46	45	+1	N	3	b	3	57	41	-		
Biarritz ...	30.24	55	NNW	4	c	30.28	+16	48	48	-4	SE	1	a	4	?	43	0.04		
Cornwall ...						30.35		45			NE	3	b	1	*	*	*		
Brussels ...						30.14	+24	41		+2	SW	3	o	*	*	*	-		
Charleville ...						?	?	39		+2	SW	1	o	*	*	*	*		
Paris ...	30.11	56	NN	3	o	30.23	+19	41		+3	NNW	3	c	*	*	*	-		
Lyons ...						?	?	46		-4	? S	2	b	*	*	*	*		
Toulon ...	29.91	45	NW	6	b	30.00	00	41	40	-7	NW	5	b	5	52	?	-		

## YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.69	46	44	ESE	2	c	2	Valencia .....	30.17	50	48	WSW	3	o	3
Thurso .....	29.85	45	43	NNN	4	bc	5	Scilly .....							
Scarborough ...	29.92	44	42	NNN	4	bc	5	London .....	30.04	48	53	NNN	2	o	*
Greencastle ...	30.00	48	46	N	3	o	*	Rochefort ...	? 30.17	50	46	NN	4	bc	3
Holyhead .....	30.06	48	46	NN	4	o	4								

The barometer has begun to fall at Valencia since noon, and the wind there has backed to WSW, with dull weather.

## EXPLANATION OF COLUMNS.

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.

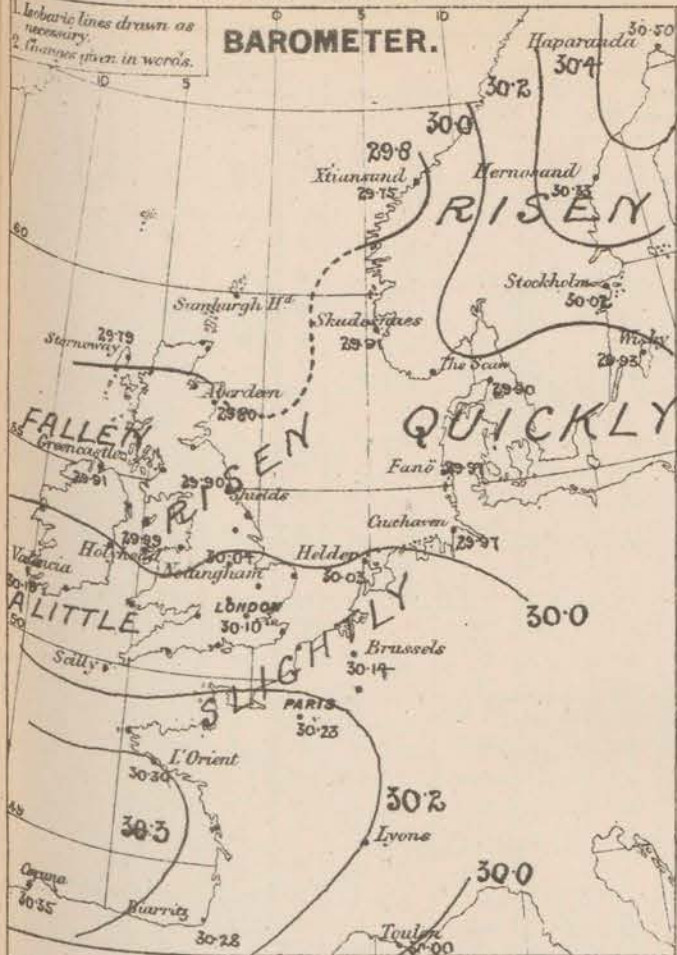
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

# WEATHER CHARTS for 8 a.m. on Sunday FEB. 18<sup>th</sup> 1877.

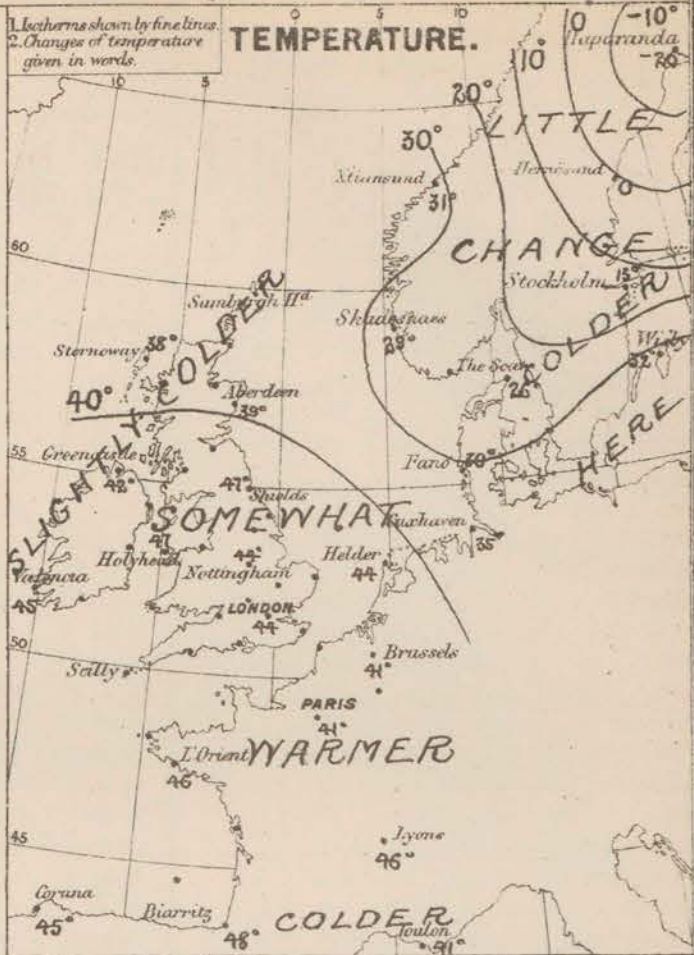
1. Isobaric lines drawn as necessary.
2. Changes given in words.

## BAROMETER.



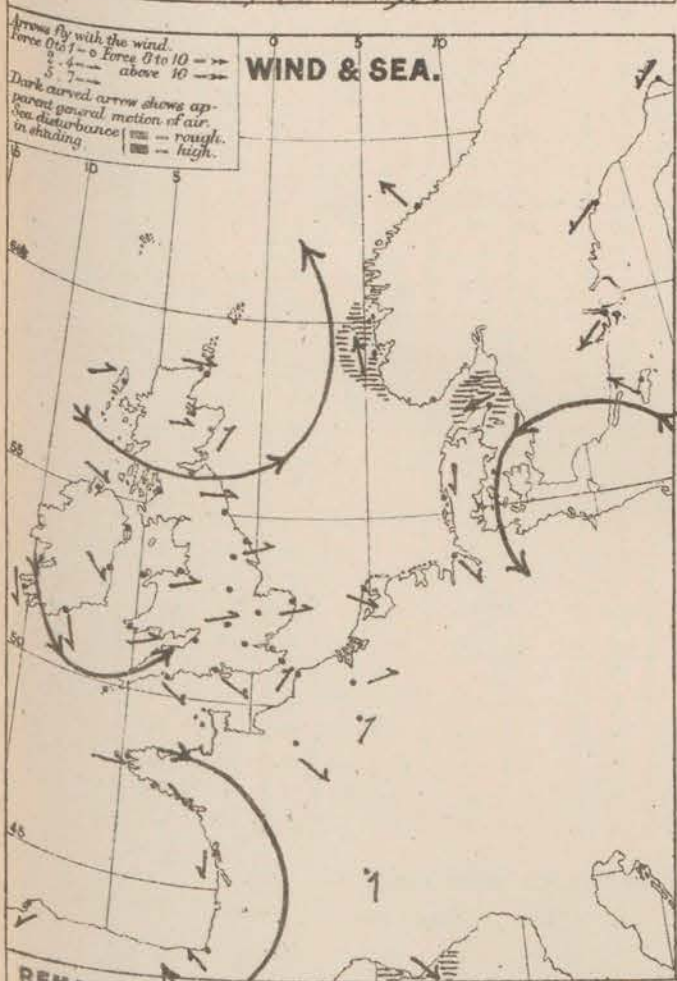
1. Isotherms shown by fine lines.
2. Changes of temperature given in words.

## TEMPERATURE.



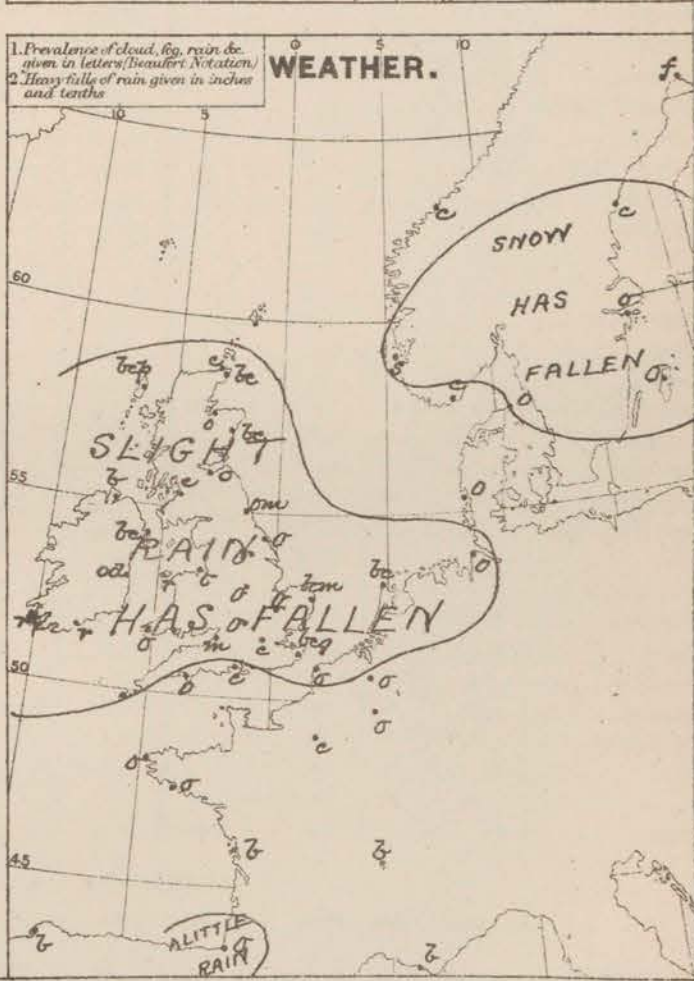
1. Force 0 to 10.
2. Force 10 to 20.
3. Force 20 to 30.
4. Force 30 to 40.
5. Force 40 to 50.
6. Force 50 to 60.
7. Force 60 to 70.
8. Force 70 to 80.
9. Force 80 to 90.
10. Force 90 to 100.

## WIND & SEA.



1. Prevalence of cloud, fog, rain &c. given in letters/Beaufort Notation.
2. Heavy falls of rain given in inches and tenths.

## WEATHER.



## REMARKS.

Pressure is still high in the N. of Europe, and over the Bay of Biscay, and relatively low off the N. and NW. coasts of Scotland. There are several small disturbances existing over the United Kingdom, the Irish Sea and Denmark, but there is no large depression reported in our neighbourhood. Light W. winds prevail over France, the British Isles and the North Sea, and rather strong E. breezes are reported from the Swedish and Norwegian stations. Temperature has fallen slightly in the W. and N., but elsewhere the weather is somewhat warmer. In Sweden the weather is intensely cold, a temperature of 52° below the freezing point being reported at Haparanda, and the temperature on our NW coasts being 16° above freezing point. The difference between the readings in these regions is nearly 70° F. The sky is cloudy in most places, and the weather is in a damp and showery condition. The sea is very little disturbed.

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Meteorological Office,  
116, Victoria Street, Westminster, S.W.

R. H. SCOTT,  
Director.

# DAILY WEATHER REPORT FEB<sup>ry</sup> 19<sup>th</sup> 1877.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 15).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 15).			Max.	Min.			
Esparanda ...	30.27	-11	Z	0	6	30.01	-49	6	6	+26	SE	4	5	*	*	*	-		
Hernösand ...	30.17	3	Z	0	0	29.97	-36	7	6	+7	SSW	4	0	*	*	*	0.08		
Stockholm ...	30.05	15	NNE	4	0	29.97	-05	17	16	+4	N	2	0	*	*	*	-		
Wisby ...	29.96	32	ESE	4	0	29.95	+02	31	31	-1	E	4	0	*	*	*	-		
Christiansund ...	29.66	35	SSW	2	0	29.54	-21	37	34	+6	SSW	1	8	3	37	28	-		
Skudesnaes ...	29.84	33	SSE	8	5	29.63	-28	32	32	+3	SSE	4	5	5	?	28	-		
Oxö (Tiansand) ...	30.04	24	NE	4	5	29.73	-26	30	30	+9	E	6	5	4	?	?	-		
Skagen (The Sewer) ...	30.04	27	Z	0	6	29.82	-08	29	28	+3	SSE	3	0	3	?	23	-		
Fanö ...	30.04	32	SSE	4	0	29.71	-26	40	40	+10	S	4	5	*	?	28	0.12		
Cuxhaven ...	30.04	45	SSE	3	5	29.80	-47	44	44	+9	SSW	4	5	*	*	34	0.08		
Sumburgh Head																			
Stornoway	29.69	39	SW	3	0	29.52	-27	32	31	-6	SW	2	6	4	44	30	0.16		
Thurso ...	29.71	34	SW	2	6	29.52	-24	34	33	-5	SW	1	6	3	48	32	0.04		
Wick ...	29.73	36	NN	1	6	29.52	-30	35	34	-4	N	1	0	0	45	32	-		
Nairn ...	29.77	37	N	1	6	29.07	-25	33	32	-6	N	1	6	1	45	33	-		
Aberdeen ...	29.78	43	Z	0	6	29.57	-33	35	33	-4	WSW	1	6	1	48	34	-		
Leith ...	29.82	42	SSE	3	0	29.66	-30	36	35	-8	WSW	4	6	*	50	35	-		
Shields ...	29.88	43	Z	0	0	29.61	-39	37	35	-10	WNW	1	6	2	50	36	-		
York ...	29.91	44	N	1	5	29.72	-25	36	35	-10	N	1	6	*	50	35	0.13		
Scarborough ...	29.89	46	N	1	5	29.68	-25	38	37	-8	WSW	1	6	1	50	36	0.15		
Nottingham ...	29.94	45	SSW	2	5	29.89	-15	36	35	-8	WNW	1	6	*	51	35	0.10		
Ardrossan ...	29.88	43	N	2	0	29.71	-20	39	37	-6	N	4	5	3	47	37	0.07		
Greencastle ...	29.86	44	SSW	2	6	29.71	-20	36	35	-6	N	2	5	*	48	34	0.20		
Donaghadee ...	29.91	40	S	2	0	29.78	-19	35	34	-9	N	3	5	2	48	33	-		
Kingstown ...	29.98	45	WNW	4	0	29.88	-14	39	36	-8	N	5	6	4	48	38	0.01		
Holyhead ...	29.95	46	N	1	0	29.87	-12	41	38	-6	N	5	0	4	49	40	0.11		
Liverpool (Bidston) ...	29.95	44	WNW	1	0	29.84	-15	39	37	-7	N	4	6	4	48	39	0.21		
Valencia ...	30.05	45	WNW	3	5	30.05	-05	42	40	-3	NN	3	0	3	50	38	0.11		
Roche's Point... ..	30.04	45	NN	3	6	30.04	-03	39	36	-6	NN	2	6	2	50	38	0.02		
Pembroke ...	30.02	45	NN	1	0	29.96	-10	43	41	-5	WNW	5	6	3	50	43	0.11		
Portishead ...	30.06	44	WSW	4	5	29.97	-11	40	38	-6	N	4	6	4	50	37	0.21		
Scilly ...																			
Plymouth ...	30.04	50	NN	2	0	30.03	-13	40	39	-7	NN	2	6	*	53	38	0.04		
Hurst Castle ...	30.05	49	SW	3	5	29.94	-18	44	43	-4	NN	4	0	3	49	41	0.20		
Dover ...	30.06	47	N	3	0	29.89	-21	42	41	-2	SW	2	6	2	50	41	0.17		
London ...	30.05	49	SW	1	0	29.91	-19	40	40	-4	N	2	0	*	49	39	0.17		
Oxford ...	*	*	*	*	*	29.92	-16	41	39	-3	N	3	6	*	51	40	0.11		
Cambridge ...	30.00	47	SW	2	5	29.88	-18	40	39	-3	N	1	0	*	52	38	0.15		
Yarmouth ...	29.98	47	SW	2	6	29.84	-19	41	40	-1	N	2	6	2	50	40	0.16		
The Helder... ..	*	*	*	*	*	29.79	-24	44	44	*	Z	0	5	*	*	*	0.20		
Cape Gris Nez ...	30.09	48	SW	3	5	29.91	-21	43	41	-3	NN	3	5	4	50	43	0.43		
Brest ...	30.19	52	WSW	4	5	30.09	-18	45	44	-3	N	4	0	4	52	41	0.20		
L'Orient ...	30.28	48	WNW	4	0	30.10	-20	45	43	-1	WNW	3	5	3	52	41	0.16		
Rochefort ...	30.26	52	SW	2	6	30.07	-18	48	46	+2	SSW	5	0	3	52	39	-		
Biarritz ...	30.24	47	WSW	3	6	30.10	-18	43	41	-5	SW	3	0	3	51	36	-		
Corunna ...	*	*	*	*	*														
Brussels ...	*	*	*	*	*	29.88	-26	44	*	+3	SW	3	5	*	*	*	0.22		
Charleville ...	*	*	*	*	*	29.90	?	43	*	+4	SW	3	5	*	*	*	*		
Paris ...	30.21	48	SW	3	0	29.99	-24	45	*	+4	SW	3	5	*	*	*	0.08		
Lyons ...	*	*	*	*	*	?	?	45	*	-1	SE	2	5	*	*	*	*		
Toulon ...	30.11	50	NN	2	6	30.17	+17	48	41	+7	E	1	3	3	55	41	-		

## YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

Bar.	Dry.	Wet.	Wind.	Wen.	Sea.	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.
Skudesnaes ...	29.85	30	24	SE	8	ff	6	Valencia ...			
Thurso ...								Scilly ...			
Scarborough ...								London ...			
Greencastle ...						*		Rocheport ...	30.28	54	48
Holyhead ...									ENE	1	0

## EXPLANATION OF COLUMNS.

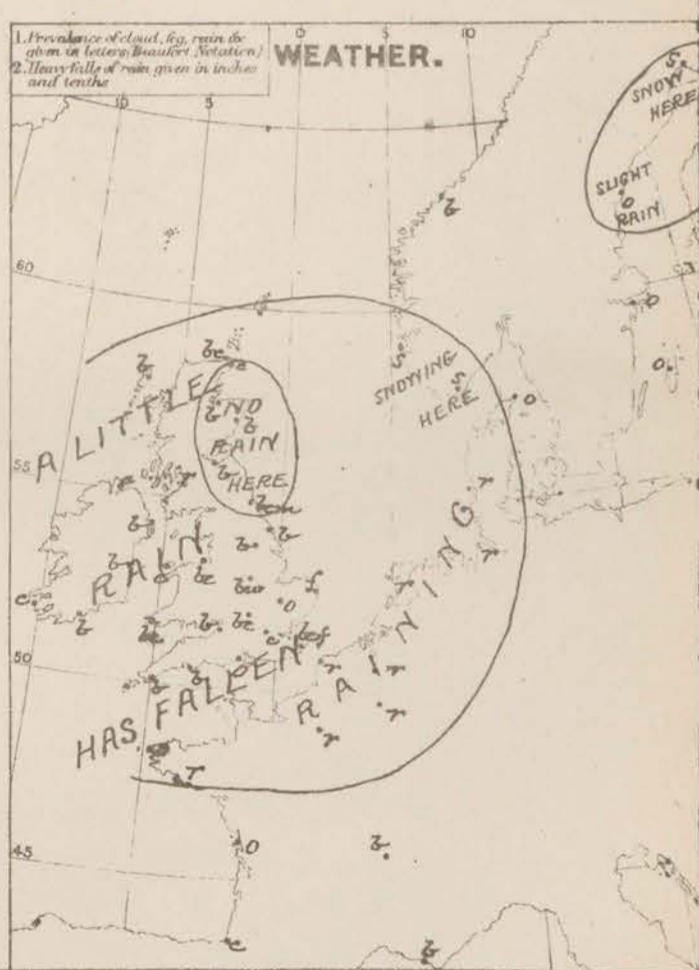
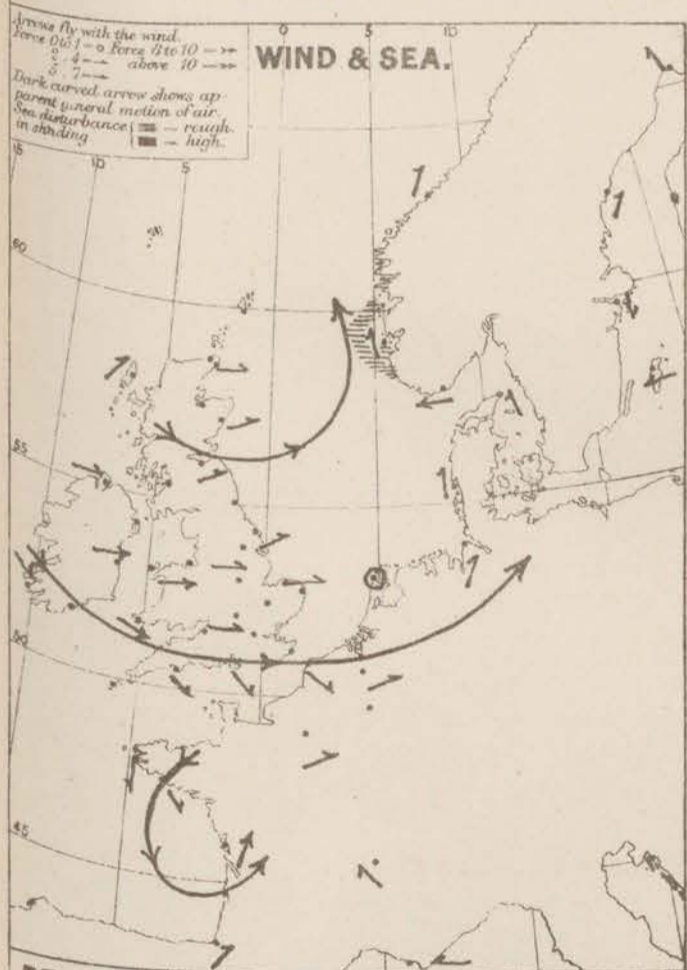
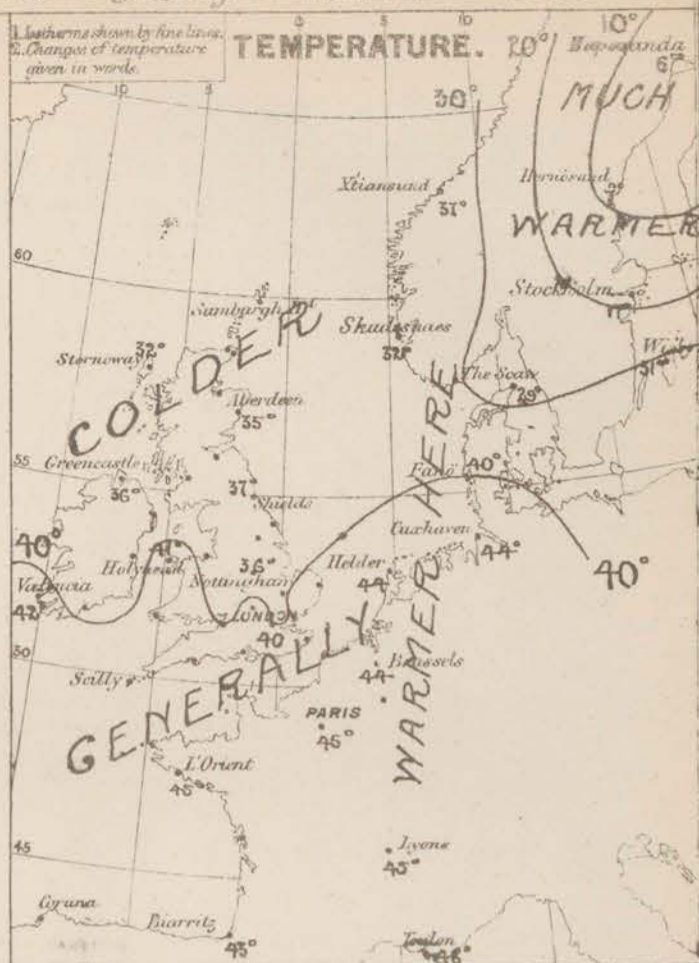
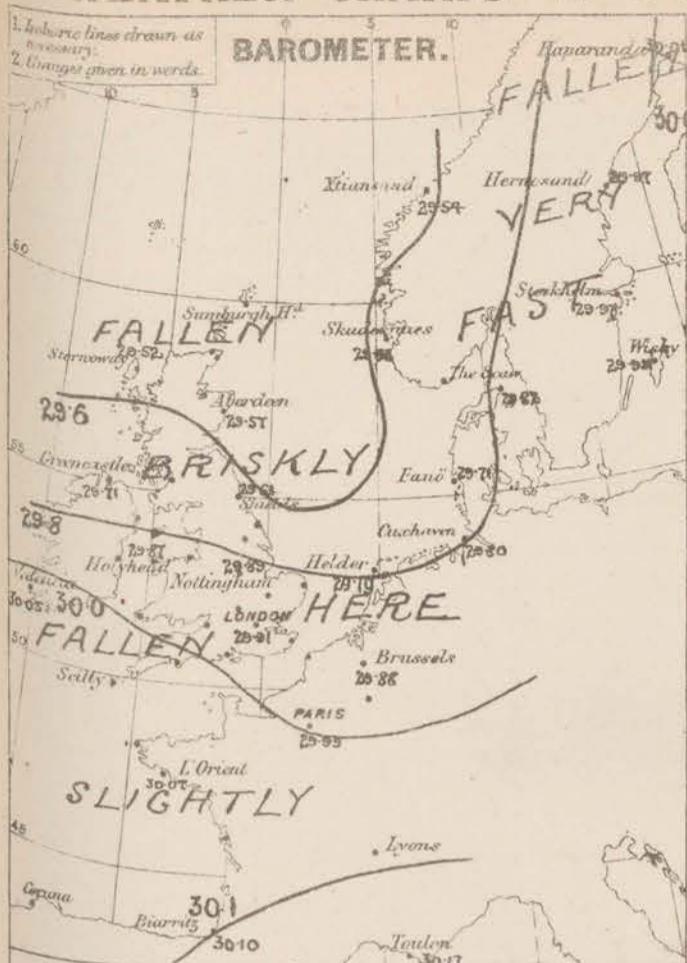
**WEATHER.**—*Bomb* dense in, *b.* blue sky; *c.* detached clouds; *d.* drizzling rain; *f.* fog; *g.* dark, gloomy; *h.* hail; *l.* lightning; *m.* misty (hazy); *o.* overcast; *p.* passing showers; *q.* squally; *r.* rain; *s.* snow; *t.* thunder; *u.* ugly, threatening; *v.* visibility, unusual transparency;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

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

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

# WEATHER CHARTS for 8 a.m. on Monday FEB<sup>19</sup> 1877.



**REMARKS.** During the past 24 hours the barometer has fallen very fast in the N parts of Sweden and Norway, and somewhat briskly on our N. and E. coasts, as well as in Denmark, while on our SW coasts, the change has been very slight. The centre of a secondary depression lies between the E. coast of Scotland, and the S. of Norway and moderate gradients for W. winds prevail over our Islands. W. winds of little strength are consequently reported from all our coasts, accompanied by fine weather (though showers fell generally yesterday) while in Holland the wind is SW, and in Denmark S. with rain. At Shetland, and the Skaw light S.E. winds are reported, accompanied by rain. Temperature has risen fast at all stations, which is to the E. of the North Sea, but

# DAILY WEATHER REPORT FEB 20<sup>th</sup> 1877.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	Barometer. Reading at 32° F. and Sea Level.	SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.			
			Dirce.	Force. (0 to 12).			Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirce.	Force. (0 to 12).			Max.	Min.				
Haparanda ...	29.75	12	S	4	s	29.60	-41	17	17	+ 11	S	4	s	*	*	*	-		
Hernösand ...	29.69	18	SSW	2	o	29.31	-66	28	27	+ 21	S	2	s	*	*	*	0.24		
Stockholm ...	29.65	29	SE	4	o	29.36	-61	33	33	+ 16	S	1	s	*	*	*	0.08		
Wisby ...	29.71	32	SSE	6	6	29.34	-41	36	35	+ 5	SW	4	T	*	*	*	0.35		
Christiansund ...	29.32	33	ESE	1	6	29.21	-33	32	29	- 5	SE	2	8	3	39	28	-		
Skudesnaes ...	29.33	32	ESE	4	6	29.24	-40	33	32	+ 1	SE	2	o	8	31	32	-		
Oxö (Xtiansand) ...	29.46	26	NNE	4	c	29.29	-44	25	25	- 5	NE	4	c	3	30	?	-		
Skagen (The Seaw) ...	29.45	32	SW	3	o	29.32	-30	35	34	+ 4	SW	2	o	1	34	?	0.02		
Fanö ...	29.52	36	SSW	2	6	29.28	-43	35	34	- 5	SSE	4	c	*	41	32	0.20		
Cuxhaven ...	29.64	47	NN	2	T	29.30	-30	35	35	- 9	S	12	6	*	4	24	0.22		
Sumburgh Head ...																			
Stornoway ...	29.16	34	SW	1	o	29.31	-31	36	35	+ 4	NN	4	cy	4	40	31	0.16		
Thurso ...	29.20	34	S	1	6c	29.21	-31	35	37	+ 4	NN	4	p	4	45	31	0.15		
Wick ...	29.19	37	SW	1	6	29.22	-30	35	34	o	NNW	1	o	1	43	28	0.05		
Nairn ...	29.24	37	N	1	c	29.27	-30	35	34	+ 2	WSW	2	o	2	41	32	-		
Abordeen ...	29.25	37	SSW	2	6	29.22	-35	37	34	+ 2	NNW	3	6	1	43	31	-		
Leith ...	29.30	38	WSW	4	6	29.31	-35	37	35	+ 1	N	3	6c	*	45	35	0.23		
Shields ...	29.44	40	SW	4	c	29.25	-36	36	34	- 1	N	3	c	3	43	35	0.18		
York ...	29.57	39	N	3	T	29.22	-49	38	36	+ 2	N	5	c	*	47	34	0.17		
Scarborough ...	29.57	39	SW	3	T	29.18	-50	41	38	+ 3	N	8	c	5	43	34	0.25		
Nottingham ...	29.60	41	SSW	4	o	29.21	-68	38	36	+ 2	NNW	7	o	*	30	34	0.42		
Ardrossan ...	29.29	41	SE	4	T	29.40	-31	39	37	o	NNW	4	6c	3	43	36	0.44		
Greencastle ...	29.21	41	NNW	4	T	29.30	-21	40	38	+ 4	NNW	3	6	*	44	34	0.45		
Donaghadee ...	29.51	42	WSW	5	T	29.47	-31	38	37	+ 3	NNW	6	6	6	42	34	0.81		
Kingstown ...	29.46	44	WSW	5	T	29.60	-28	40	37	+ 1	NNW	5	6c	4	45	38	0.09		
Holyhead ...	29.49	43	SW	6	T	29.46	-41	41	40	+ 3	NN	9	cy	7	45	40	0.22		
Liverpool (Bidston) ...	29.53	39	WSW	3	T	29.36	-48	41	38	+ 2	NN	6	o	5	44	38	0.29		
Valencia ...	29.77	49	NN	7	c	29.94	-39	47	42	+ 5	NNW	6	c	5	51	46	0.28		
Roche's Point... ..	29.63	45	N	4	o	29.81	-23	44	42	+ 5	NNW	7	6c	4	49	37	0.15		
Pembroke ...	29.66	47	WSW	5	o	29.58	-38	43	40	o	NNW	8	6c	6	48	41	0.07		
Portishead ...	29.72	42	N	7	T	29.33	-64	42	39	+ 2	NNW	8	6	6	48	36	0.35		
Scilly ...																			
Plymouth ...	29.53	47	NN	3	o	29.57	-46	42	42	+ 2	NNW	5	6c	*	57	39	0.15		
Hurst Castle ...	29.78	47	NN	5	c	29.28	-66	44	41	o	NN	7	6c	6	47	39	0.43		
Dover ...	29.87	42	NNW	3	6	29.03	-86	39	37	- 3	WSW	5	cy	4	47	38	0.48		
London ...	29.75	44	NNW	2	6c	29.09	-82	41	38	+ 1	NN	8	cy	*	47	37	0.21		
Oxford ...						29.22	-70	38	37	- 3	NN	6	T	*	46	36	0.31		
Cambridge ...	29.65	40	SW	1	o	29.08	-80	37	36	- 3	NN	3	o	*	50	35	0.18		
Yarmouth ...	29.69	41	WSW	3	6c	29.02	-82	36	36	- 5	N	2	cy	2	44	35	0.20		
The Helder... ..						28.98	-81	37	37	- 7	SE	2	T	*	*	*	0.24		
Cape Gris Nez ...	29.79	45	N	4	6c	29.06	-85	41	39	- 2	N	8	T	6	48	39	0.32		
Brest ...	30.08	32	NN	5	o	29.89	-30	46	41	+ 1	NN	7	6	4	?	37	0.20		
L'Orient ...	30.10	46	NN	5	6c	29.33	-27	43	39	- 2	NN	8	T	6	50	41	?		
Rochefort ...	30.06	30	N	5	6	29.74	-31	48	46	o	NNW	8	o	7	50	41	0.35		
Biarritz ...	32.21	9	NN	6	T	20.04	-09	34	30	+ 11	WSW	9	P	7	39	41	0.28		
Corunna ...																			
Brussels ...						29.13	-75	38	*	- 6	SW	6	o	*	*	*	0.45		
Charleville ...						? 29.13	-77	39	*	- 4	N	6	c	*	*	*	*		
Paris ...	29.91	43	NNW	3	c	29.35	-44	37	*	- 8	NN	3	c	*	*	*	0.39		
Lyons ...						?	?	45	*	o	?	7	o	*	*	*	*		
Toulon ...	30.16	46	SW	3	o	29.91	-36	44	37	- 7	NNW	5	6	5	52	45	-		

## YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudeanaes ...	29.82	34	32	SE	4	o	44	Valencia .....	29.92	46	45	NN	5	tu	5
Thurso .....	29.34	43	39	SSW	2	6	2	Scilly .....							
Scarborough ...	29.64	42	40	WSW	3	6c	2	London .....	29.84	46	40	NN	3	c	*
Greencastle ...	29.55	42	40	N	3	r	*	Rochefort ...	30.02	46	40	N	6	o	4
Holyhead .....	29.74	44	41	N	5	c	5								

The barometer has been falling very briskly along our NW and NW Coast during the morning, but very little change has occurred in the E. The winds show hardly any alteration beyond a slight freshening in the N. with a rather threatening appearance.

## EXPLANATION OF COLUMNS.

**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.

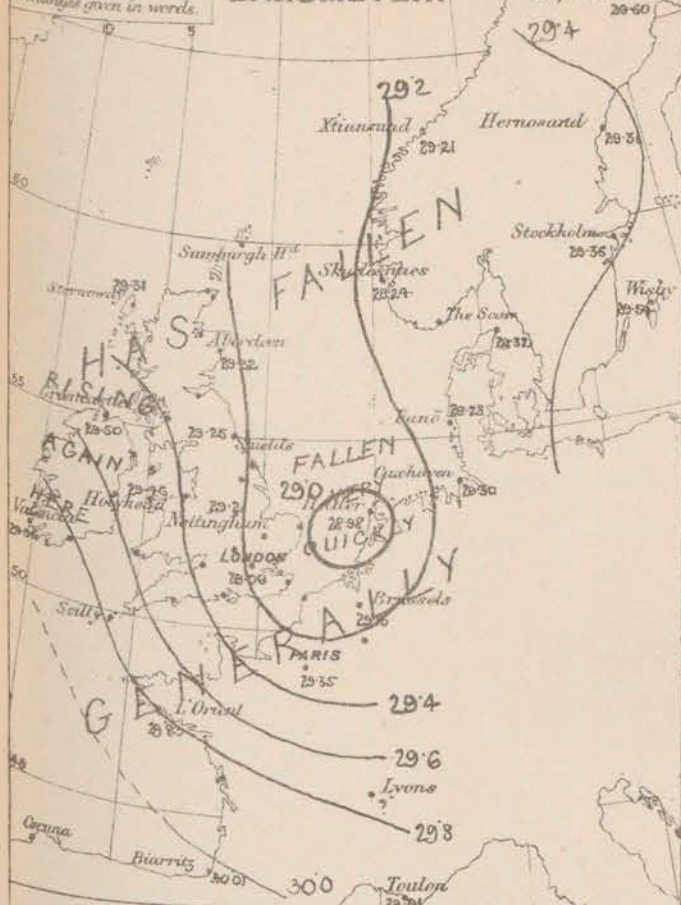
† The evening observations are taken at 8 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

# WEATHER CHARTS for 8 a.m. on Tuesday FEB. 20. 1877.

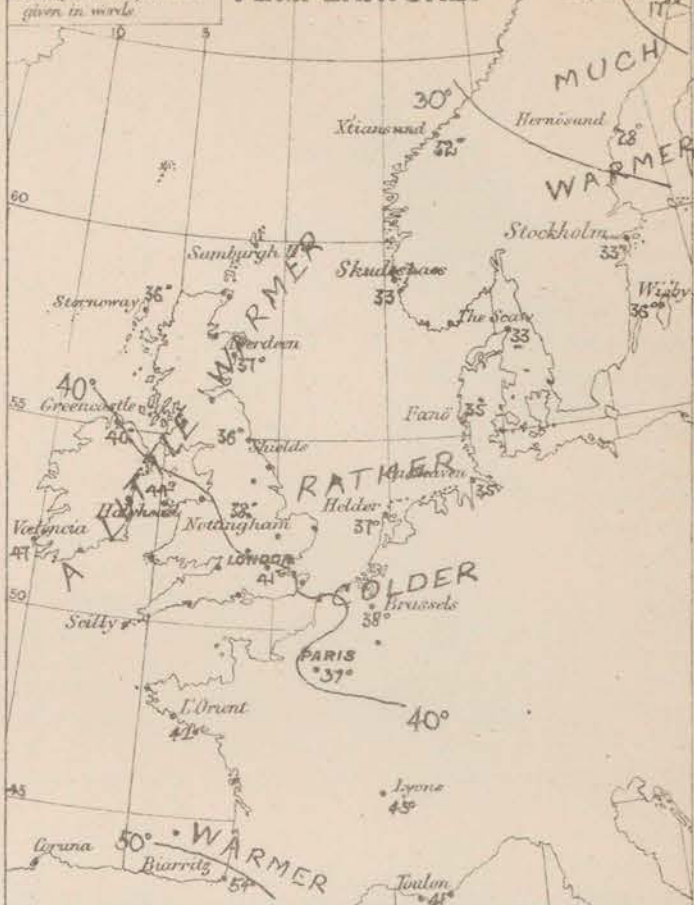
1. Isobaric lines drawn as necessary.  
2. Changes given in words.

## BAROMETER.



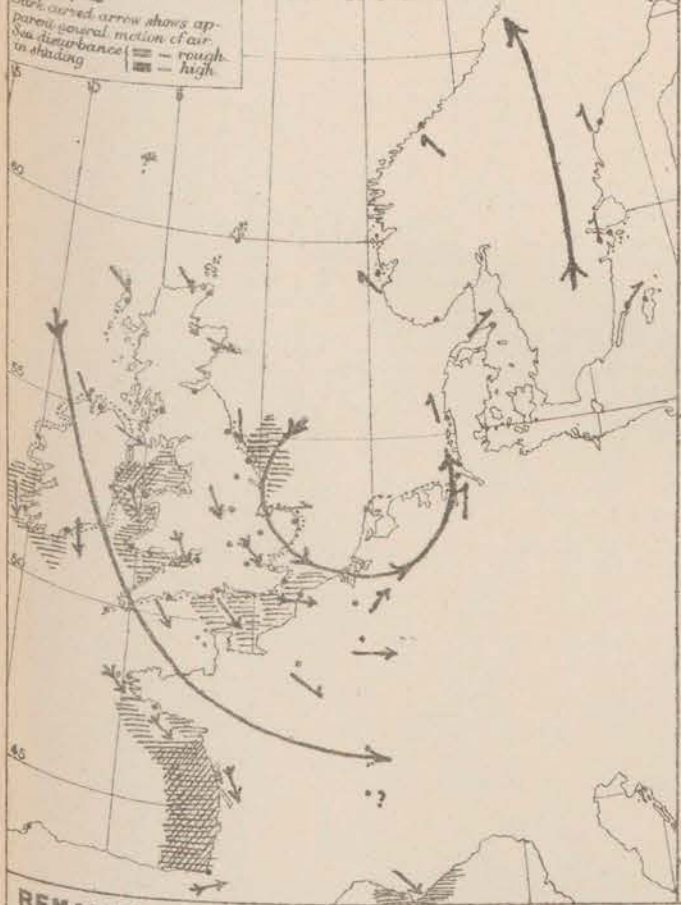
1. Isotherms shown by fine lines.  
2. Changes of temperature given in words.

## TEMPERATURE.



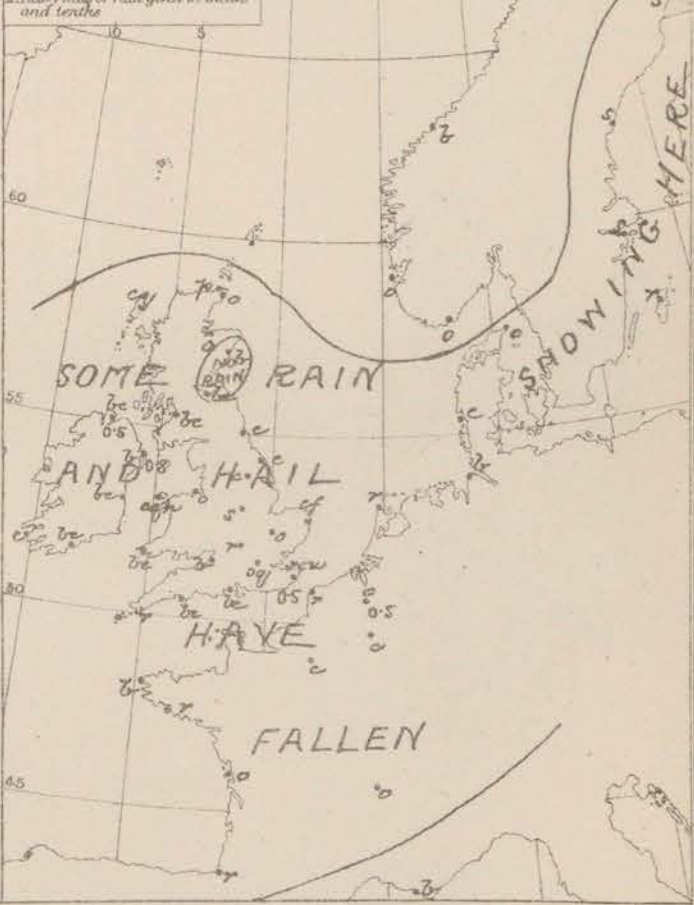
Arrows fly with the wind.  
Force 0 to 10 —  
1 — 10 —  
2 — 20 —  
3 — 30 —  
4 — 40 —  
5 — 50 —  
6 — 60 —  
7 — 70 —  
8 — 80 —  
9 — 90 —  
10 — 100 —  
Dark curved arrow shows apparent general motion of air.  
Sea disturbance (—) — rough in shading — high

## WIND & SEA.



1. Prevalence of cloud, fog, rain etc. given in letters (Beaufort Notation).  
2. Heavy falls of rain given in inches and tenths.

## WEATHER.



## REMARKS.

During last evening the barometer began to fall rapidly over the United Kingdom, but especially so over NW coasts, and during the night a small but deep depression has travelled with great rapidity over our islands in a SE direction, and its centre is now found between the mouth of the Thames, and the Dutch coast. Steep gradients for NW winds prevail over our islands, and the wind after first blowing hard from the W has passed to NW, and is still blowing a gale over the whole of England, the Irish Channel, and the N. of France. Temperature has changed irregularly, having fallen at the SE stations, but risen a little over the greater part of our islands. Rain has and in some places even heavy accompanied the storm as it passed over us. The sky has since cleared up in the W and NW, but rain still falls in the SE. The sea is rough in the W and S, and rather so in the E.  
Our W. S. and E. coasts were warmed yesterday evening.

Subscription for these Charts payable in advance to cover delivery. Delivery by hand 10/- per quarter, book post 5/- per quarter.

Meteorological Office,  
116, Victoria Street, Westminster, S.W.

R. H. SCOTT,  
Director.

Dangerfield Lith. 22 Bedford St. Covent Garden.

## DAILY WEATHER REPORT

FEB. 21<sup>st</sup> 1877.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Baromet. at 320 F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dirco.	Force, (0 to 12).		Reading at 320 F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirco.	Force, (0 to 12).			Max.	Min.			
Haparanda ...	29.33	35	S	2	o	29.25	-.25	17	16	o	Z	o	o	*	*	*	0.28		
Hernösand ...	29.29	26	NNE	2	o	29.45	+.14	8	7	- 20	NNW	2	bc	*	*	*	-		
Stockholm ...	29.32	41	Z	o	o	29.16	-.20	25	24	- 8	NNW	2	o	*	*	*	0.12		
Wisby ...	29.43	33	NNE	4	c	29.30	+.02	32	32	- 4	SE	4	o	*	*	*	0.20		
Christiansund ...	29.34	31	SW	3	o	29.08	+.07	32	32	o	NNE	6	s	4	36	28	-		
Skudesnaes ...	29.36	28	Z	o	f	29.61	+.07	25	24	- 8	NNE	2	f	1	32	?	-		
Oxö (Xtiansand) ...	29.38	30	NE	4	o	29.36	+.02	22	21	- 3	NNW	4	bc	2	30	19	-		
Skagen (The Scaw) ...	29.41	31	Z	o	f	29.57	+.16	32	31	- 1	ENE	3	o	2	34	23	-		
Fanö ...	29.33	35	ENE	4	o	29.43	+.10	33	32	- 2	NE	6	o	*	36	32	-		
Cuxhaven ...	29.16	46	SE	5	f	29.29	-.01	37	37	+ 2	NNE	3	o	*	34	34	0.17		
Sumburgh Head ...																			
Stornoway ...	29.41	37	NNW	6	c	29.00	+.69	32	31	- 4	NNE	4	bc	5	37	31	0.07		
Thurso ...	29.45	40	NNW	5	f	29.87	+.46	39	36	+ 1	NNW	5	c	5	44	37	0.21		
Wick ...	29.22	37	N	4	f	29.89	+.67	37	35	+ 2	NNW	5	gdp	2	41	34	0.14		
Nairn ...	29.36	37	NN	6	o	29.92	+.65	35	32	o	NN	8	bc	3	40	34	0.04		
Aberdeen ...	29.40	38	NNW	3	f	29.76	+.36	36	35	- 1	N	6	spg	3	41	35	0.14		
Leith ...	29.02	41	NNW	4	c	29.88	+.37	38	36	+ 1	NNW	4	bc	*	45	36	-		
Shields ...	29.40	41	NNW	4	o	29.78	+.33	37	34	+ 1	N	4	c	4	44	36	0.07		
York ...	29.40	40	NNW	2	bc	29.77	+.35	37	34	- 1	N	3	bc	*	41	34	0.05		
Scarborough ...	29.36	37	NNW	4	c	29.73	+.35	38	37	- 3	N	5	c	5	42	37	0.14		
Nottingham ...	29.42	38	NN	3	bc	29.71	+.60	37	33	- 1	NNW	5	bc	*	45	35	-		
Ardrossan ...	29.63	41	NNW	4	bc	29.94	+.34	37	34	- 2	NN	4	bc	3	43	36	0.03		
Greencastle ...	29.64	40	NNW	4	bc	30.01	+.37	38	34	- 2	NNE	3	bc	*	44	36	0.10		
Donaghadee ...	29.83	40	N	7	o	29.97	+.10	38	35	o	NNW	7	bc	6	42	36	0.28		
Kingstown ...	29.67	40	NN	7	c	30.03	+.43	38	36	- 2	NN	5	bc	4	43	37	0.02		
Holyhead ...	29.56	43	NNW	9	o	29.94	+.48	41	36	- 3	N	8	c	6	45	39	0.02		
Liverpool (Bidston) ...	29.47	41	NNW	6	bc	29.88	+.32	39	35	- 2	NN	5	bc	4	44	39	0.03		
Valencia ...	30.02	44	NNW	6	c	30.21	+.25	43	39	- 4	N	5	bc	4	53	40	0.11		
Roche's Point ...	29.70	43	NNW	8	c	30.13	+.32	42	40	- 2	NNW	5	bc	4	46	40	0.06		
Pembroke ...	29.64	42	NN	8	o	29.98	+.40	41	38	- 2	NNW	6	bc	3	45	37	0.08		
Portishead ...	29.50	40	NNW	6	bc	29.86	+.53	39	34	- 3	NNW	3	bc	3	47	36	-		
Scilly ...																			
Plymouth ...	29.65	43	NNW	5	o	29.95	+.38	44	43	+ 2	N	2	bc	*	47	37	0.04		
Hurst Castle ...	29.47	43	NNW	6	bc	29.83	+.55	39	38	- 5	NNW	4	bc	3	47	36	-		
Dover ...	29.33	42	NN	5	bc	29.65	+.62	38	36	- 1	NNW	5	bc	3	42	36	0.04		
London ...	29.40	41	NNW	6	bc	29.75	+.64	38	35	- 3	NNW	5	bc	*	46	36	0.09		
Oxford ...	*	*	*	*	*	29.81	+.39	38	35	o	NN	2	o	*	45	37	0.04		
Cambridge ...	29.39	39	NNW	3	bc	29.76	+.68	37	35	o	NNW	3	bc	*	45	34	0.13		
Yarmouth ...	29.26	39	NNW	6	f	29.61	+.39	38	36	+ 2	NNW	4	bc	4	40	35	0.14		
The Helder ...	*	*	*	*	*	29.47	+.49	40	37	+ 3	N	4	c	*	*	*	0.24		
Cape Gris Nez ...	29.35	43	NNW	7	o	29.61	+.55	39	37	- 2	N	6	c	5	45	36	0.14		
Brest ...	29.50	48	NNW	5	f	29.98	+.09	43	39	- 3	N	5	c	4	50	37	0.16		
L'Orient ...	29.80	46	NNW	6	f	29.95	+.12	41	39	- 2	NNW	7	f	4	50	36	0.20		
Rocheport ...	29.82	48	NNW	9	o	29.83	+.07	43	41	- 5	N	8	bc	7	54	34	0.20		
Biarritz ...	30.04	55	NNW	8	f	29.93	-.08	48	46	- 6	NNW	9	c	9	?	41	0.39		
Corunna ...	*	*	*	*	*									*	*	*	*		
Brussels ...	*	*	*	*	*	29.52	+.37	37	*	- 1	NNW	3	f	*	*	*	0.72		
Charleville ...	*	*	*	*	*	29.42	+.29	36	*	- 3	NNW	6	o	*	*	*	*		
Paris ...	29.45	43	NN	4	bc	29.66	+.31	38	*	+ 1	NN	4	c	*	*	*	0.08		
Lyons ...	*	*	*	*	*	?	?	44	*	- 1	NN	2	f	*	*	*	*		
Toulon ...	29.68	45	NNW	5	c	29.43	-.08	37	36	- 4	NNW	4	f	5	46	?	0.16		

## YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes ...	29.30	28	27	Z	o	bc	2	Valencia .....	29.96	49	44	NNW	6	og	6
Thurso .....	29.33	42	40	NNW	4	pc	4	Scilly .....							
Scarborough ...	29.30	40	38	N	5	bc	5	London .....	29.45	45	40	NN	7	og	*
Greencastle ...	29.34	40	38	NN	4	b	*	Rocheport ...	29.79	48	45	NNW	9	o	8
Holyhead .....	29.30	42	39	NNW	9	o	7								

The barometer continues to rise over our Islands, but is doing so somewhat irregularly. There is still a shift N. to NN gate in St. Georges and English Channel, but on our NE Coast the wind has lulled.

## EXPLANATION OF COLUMNS.

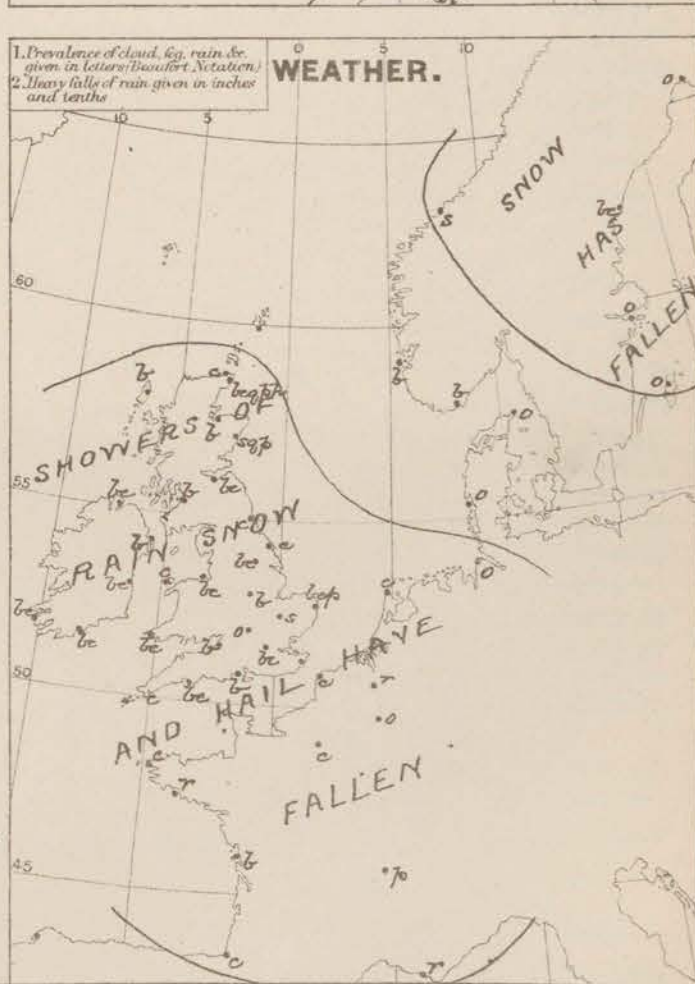
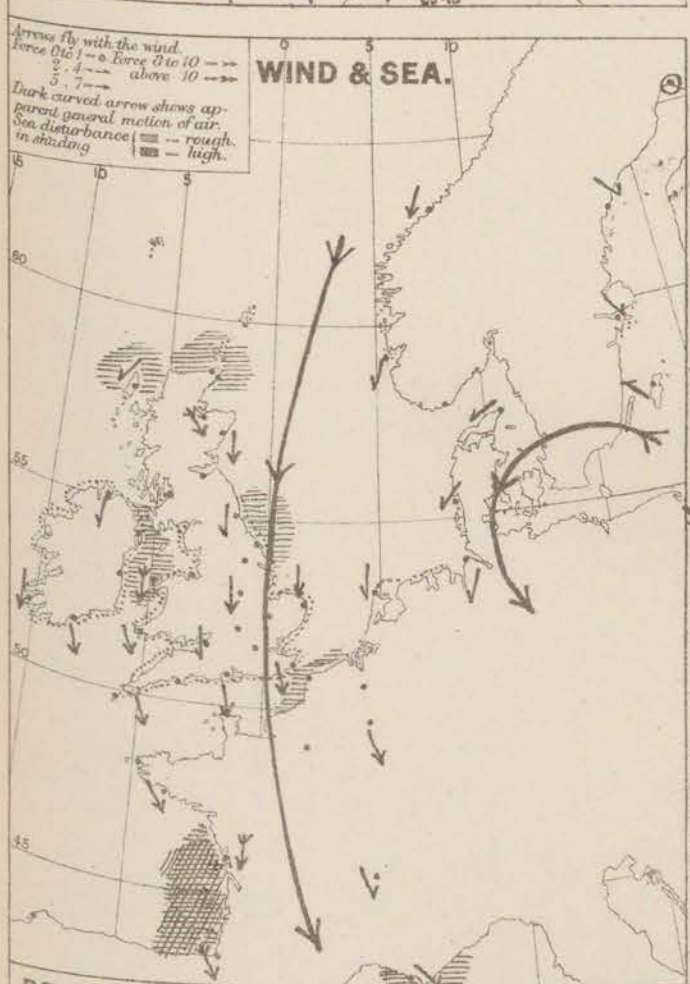
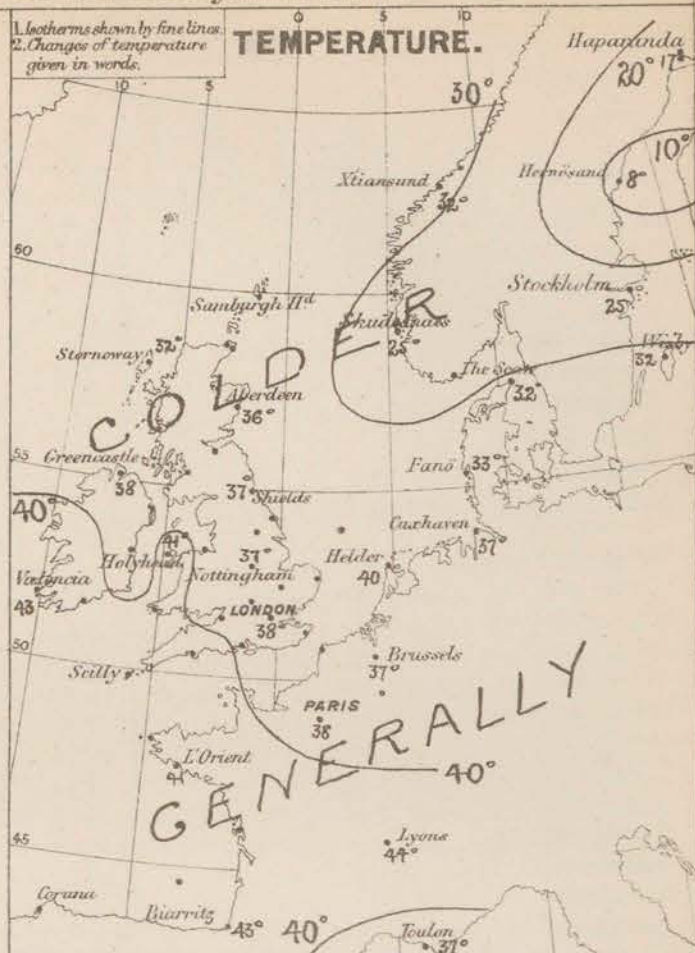
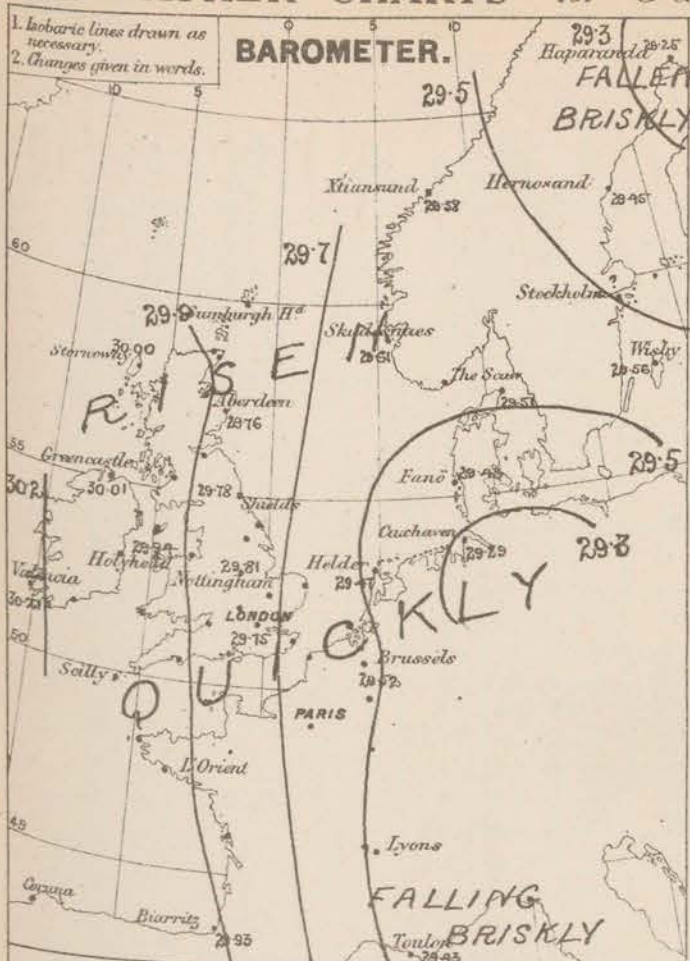
**WEATHER.**—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

N.B.—The wind is said to "veer" when its direction changes with the sea, and to "back" when it shifts in the opposite direction.

# WEATHER CHARTS for 8 a.m. on Wednesday FEB. 21<sup>st</sup> 1877.



**REMARKS.** Since yesterday morning the barometer has risen quickly over the whole of the United Kingdom, Norway and Denmark, but has fallen considerably over the coasts of the Mediterranean. Rather steep gradients for N<sup>th</sup> winds have consequently been established over the whole of W<sup>th</sup> Europe, and N<sup>th</sup> winds, varying in force from moderate breeze to a fresh gale are reported from our own, the French and the Dutch coasts. Temperature has fallen several degrees at all stations, and the air has become dry and searching. Showers of rain, snow and hail fell very generally yesterday, and with probably snow on the N. and NE. coasts today. The sky is at present moderately clear in most places, but in the NE. of Scotland, snow squalls still prevail. The sea is rough on our W. and E. coasts, as well as on the shores of the Channel, and runs very high in the Bay of Biscay. The warnings issued on Monday are still in force, and the general appearance of the weather seems to indicate that strong and cold N<sup>th</sup> breezes are likely to continue.

Meteorological Office,  
116, Victoria Street, Westminster, S.W.

R. H. SCOTT.  
Director.

# DAILY WEATHER REPORT FEB 22<sup>nd</sup> 1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9).	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda ...														*	*	*		
Hernösand ...														*	*	*		
Stockholm ...														*	*	*		
Wisby ...														*	*	*		
Christiansund ...														*	*	*		
Skudesnaes ...																		
Oxö (Xtiansand) ...																		
Skagen (The Seaw)																		
Fanö ...														*	*	*		
Cuxhaven ...	29.24	44	NNE	6	o	29.73	+ .44	34	33	- 3	NNE	4	bc	*	*	30	7	
Sumburgh Head ...																		
Stornoway ...	30.11	35	NNW	5	o	29.87	- .13	41	40	+ 9	VNNW	5	cp	4	41	31	0.07	
Thurso ...	30.05	35	NNW	3	o	29.76	- .11	40	39	+ 1	VSW	4	T	4	40	32	0.07	
Wick ...	30.08	34	N	4	o	29.77	- .12	37	36	o	SSW	2	c	1	40	28	-	
Nairn ...	30.11	35	NW	3	bc	29.88	- .24	34	34	+ 1	W	3	c	3	37	30	-	
Aberdeen ...	30.01	34	NNW	3	bc	29.87	+ .11	34	32	- 2	SW	2	o	2	41	30	0.15	
Leith ...	30.04	37	NE	3	c	29.99	+ .11	32	31	- 6	W	3	c	*	45	29	-	
Shields ...	29.97	39	N	6	o	30.04	+ .26	30	29	- 7	VNNW	1	om	4	41	29	0.02	
York ...	29.92	39	N	3	T	30.07	+ .30	30	29	- 7	N	1	bc	*	40	29	0.09	
Scarborough ...	29.90	40	NNW	4	o	30.22	+ .29	34	32	- 4	VNNW	2	o	3	42	34	0.15	
Nottingham ...	29.96	39	NNW	4	c	30.10	+ .29	31	30	- 6	VNNW	1	bc	*	43	30	0.04	
Ardrossan ...	30.08	37	N	3	bc	30.07	+ .13	34	32	- 3	SE	1	o	1	43	30	-	
Greencastle ...	30.11	39	NNE	3	o	30.09	+ .08	35	37	o	W	2	o	*	43	35	-	
Donaghadee ...	30.09	38	N	5	bc	30.12	+ .15	35	34	- 3	W	3	bc	2	41	34	-	
Kingstown ...	30.12	41	NNW	5	c	30.21	+ .18	38	36	o	VNNW	4	c	3	42	36	-	
Holyhead ...	30.05	41	N	5	c	30.15	+ .21	38	37	- 3	N	4	bc	4	45	37	0.04	
Liverpool (Bidston) ...	30.02	41	NNW	2	o	30.11	+ .23	35	32	- 4	NE	1	o	1	42	34	-	
Valencia ...	30.18	44	N	2	c	30.31	+ .10	44	43	+ 1	N	1	od	1	48	38	0.01	
Roche's Point...	30.18	43	N	3	bc	30.28	+ .15	39	36	- 3	NNW	2	bc	3	47	37	-	
Pembroke ...	30.04	39	N	4	bc	30.17	+ .19	40	36	- 1	N	3	c	1	43	37	0.04	
Portishead ...	29.98	40	NNW	3	o	30.14	+ .28	34	32	- 5	VNNW	2	bc	1	44	31	-	
Scilly ...																		
Plymouth ...	30.04	39	N	1	bc	30.17	+ .22	35	34	- 9	N	1	bc	*	46	33	-	
Hurst Castle ...	29.93	42	N	5	o	30.11	+ .28	37	37	- 2	N	3	o	2	44	34	-	
Dover ...	29.82	40	N	5	bc	30.01	+ .36	38	37	o	N	4	cp	2	42	36	0.02	
London ...	29.89	42	NNW	2	o	30.07	+ .31	36	34	- 2	N	3	c	*	42	35	-	
Oxford ...	*	*	*	*	*	30.10	+ .29	34	32	- 4	N	1	c	*	42	33	-	
Cambridge ...	29.88	39	N	4	T	30.07	+ .31	32	32	- 5	SW	1	c	*	42	31	0.03	
Yarmouth ...	29.78	39	NNW	5	c	29.98	+ .37	35	34	- 3	NNW	4	pl	4	42	34	0.27	
The Helder. ...	*	*	*	*	*	29.87	+ .40	38	37	- 2	NNW	2	c	*	*	*	0.04	
Cape Gris Nez ...	29.91	39	N	6	P	29.99	+ .38	37	37	- 2	N	5	T	4	43	36	0.08	
Brest ...	30.03	46	NNE	4	i	30.17	+ .19	39	36	- 4	ENE	2	o	3	46	36	0.04	
L'Orient ...	29.99	43	N	5	P	30.15	+ .20	39	36	- 2	?	4	bc	3	46	?	0.04	
Rochefort ...	29.90	48	N	5	bc	30.02	+ .19	41	37	- 2	NNE	5	bc	5	50	34	-	
Biarritz ...	29.96	44	NNW	5	P	30.01	+ .08	39	37	- 9	SSE	1	o	5	50	36	0.16	
Corunna ...	*	*	*	*	*									*	*	*	*	
Brussels ...	*	*	*	*	*	29.92	+ .40	35	*	- 2	NNW	3	o	*	*	*	0.08	
Charleville ...	*	*	*	*	*	29.88	+ .46	40	*	+ 4	SW	3	c	*	*	*	*	
Paris ...	29.80	39	NW	3	c	29.99	+ .33	34	*	- 4	N	3	bc	*	*	*	0.04	
Lyons ...	*	*	*	*	*	?	?	44	*	o	NE	6	c	*	*	*	*	
Toulon ...																		

## YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.71	32	30	N	4	bc	Valencia ...	30.17	48	44	N	2	o
Thurso ...	29.99	37	34	NNW	4	c	Scilly ...						
Scarborough ...	29.81	42	40	N	5	c	London ...	29.84	42	38	NNW	4	o
Greencastle ...	30.06	42	38	N	3	bc	Rochefort ...	29.86	48	43	N	6	bc
Holyhead ...	30.00	44	42	N	6	bc							

The barometer has fallen a little at Valencia since noon, but elsewhere it has continued to rise and fresh to strong N.W. winds still prevail generally.

## EXPLANATION OF COLUMNS.

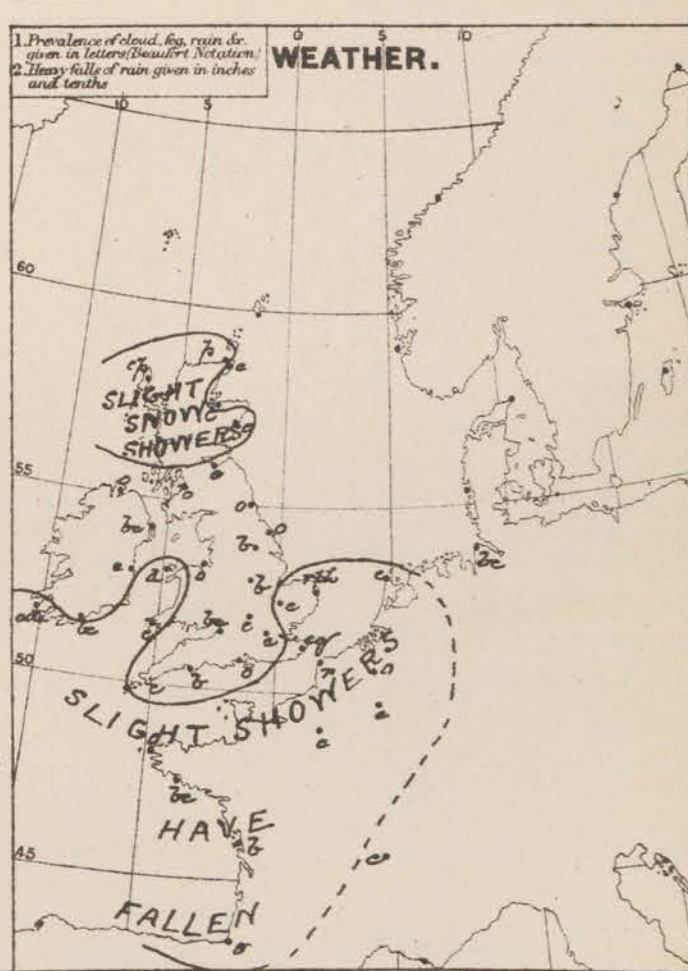
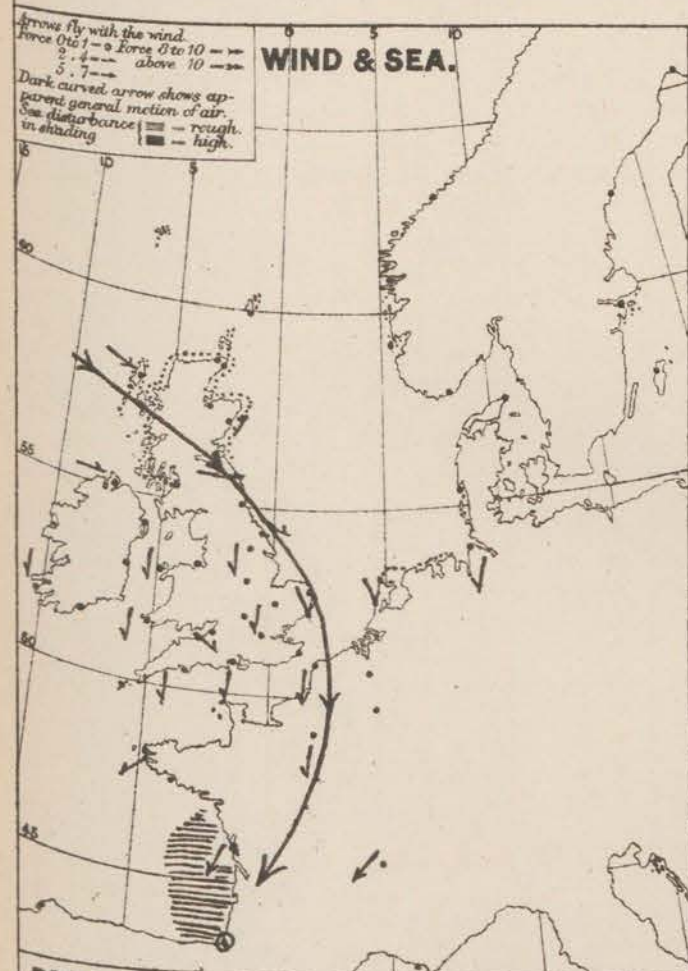
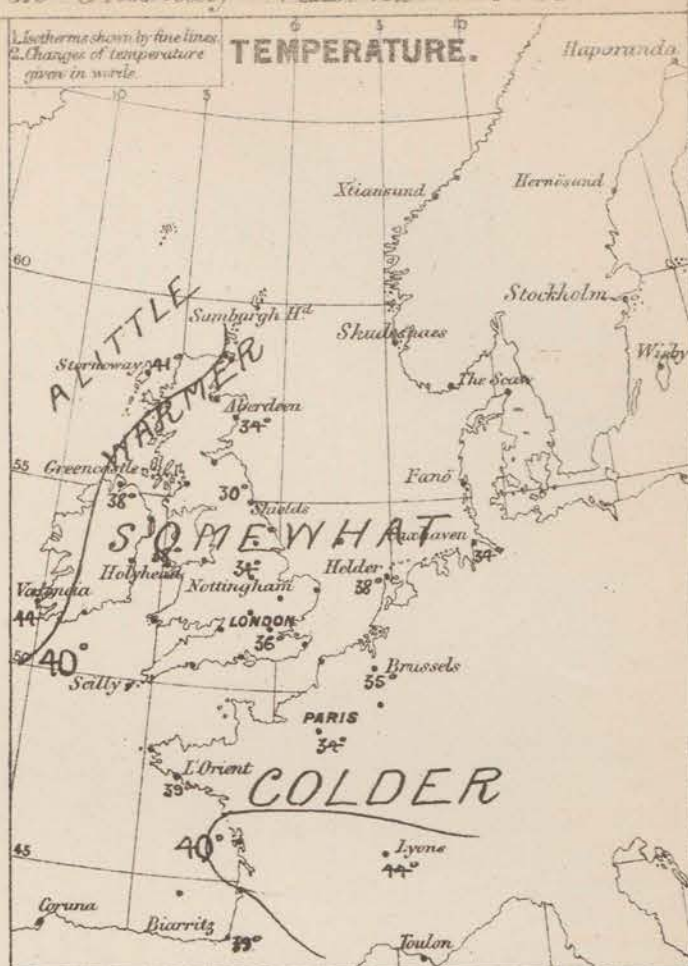
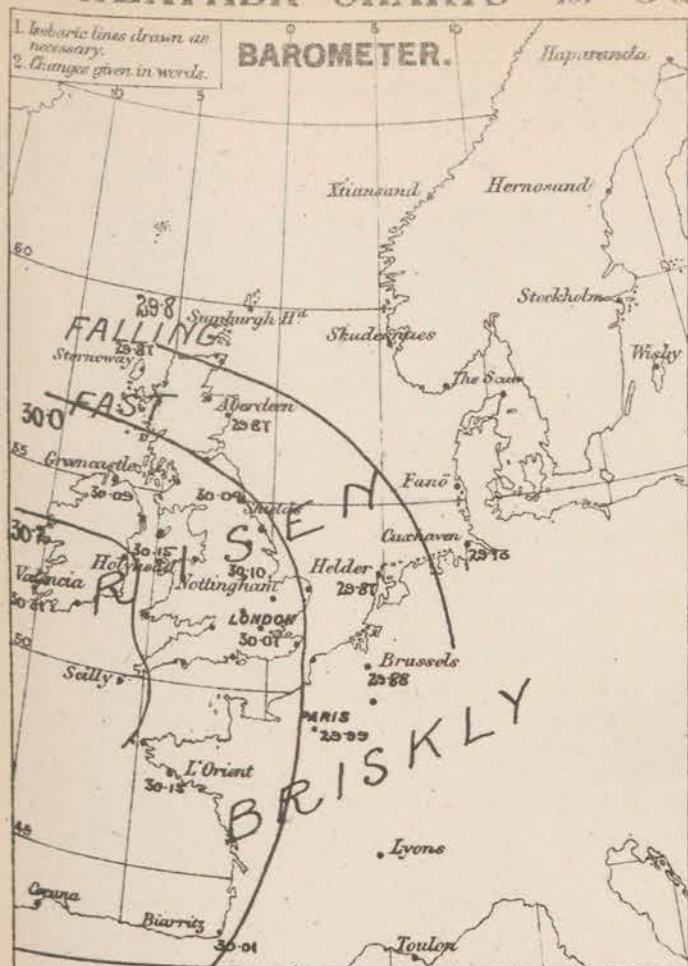
**WEATHER.**—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

# WEATHER CHARTS for 8 a.m. on Thursday FEB. 22 1877.



## REMARKS

During the past 24 hours the barometer has continued to rise steadily over France, Holland and all the S<sup>e</sup> parts of our Islands, but in the N. of Scotland, it has begun to fall very fast during the night. This change has been accompanied by the backing of the winds to the W<sup>nd</sup> over the N<sup>e</sup> parts of the Shetlands, a slight rise of temperature in the NW. of Scotland, and changing weather at Sumburgh. To the S<sup>e</sup>, however, the wind is still N<sup>e</sup>, and has fallen light. Temperature has again decreased (and is low) and dry weather prevails very generally. The sea has gone down on all our coasts, but is still rather rough in the Bay of Biscay. As pressure is still highest off our W. coasts, the new fall of the barometer in the N. appears to indicate the approach of a new depression from the N<sup>e</sup>. Warnings have therefore been issued to the Dutch coasts.

Subscription for these Charts payable in advance to cover delivery. Delivery by hand 10<sup>s</sup> per quarter, book post 5<sup>s</sup> per quarter.

Meteorological Office,  
116, Victoria Street, Westminster, S.W.

R. H. SCOTT.  
Director.

Dangerfield Lth 22 Bedford St. Covent Garden.

# DAILY WEATHER REPORT FEB 23<sup>RD</sup> 1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 330 F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.			
			Dir.	Force. (0 to 12).		Reading at 330 F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.	Amount of Rainfall.	
Haparanda ...	29.72	0	SW	2	b	29.82	+ .30	-8	-8	-9	E	2	f	*	*	*	-	
Hernösand ...	29.80	18	SSE	2	c	29.73	- .01	14	14	+ 2	Z	0	o	*	*	*	-	
Stockholm ...	29.80	16	Z	0	c	29.74	+ .01	18	17	+ 1	NE	4	o	*	*	*	-	
Wisby ...	29.75	32	E	4	s	29.66	- .02	33	32	- 1	SE	4	s	*	*	*	0.12	
Christiansund ...	29.25	24	SSW	2	c	29.68	- .08	30	28	+ 3	NNW	1	c	4	32	25	-	
Skudesnaes ...	29.71	27	NNE	2	b	29.77	- .02	25	23	- 2	NNE	2	c	2	32	?	-	
Oxö (Klansand) ...	29.77	?	NE	4	c	29.73	- .05	34	23	+ 3	NNW	2	c	2	30	19	-	
Skagen (The Seaw) ...	29.75	28	ENE	3	b	29.69	- .09	28	26	0	E	2	o	1	30	25	-	
Fanö ...	29.72	31	NE	1	c	29.74	- .04	31	31	+ 1	NNW	4	o	*	36	28	-	
Cuxhaven ...	29.71	43	NNW	2	b	29.72	- .01	36	34	+ 2	NNW	2	o	*	*	34	-	
Sumburgh Head																		
Stornoway	29.94	40	NNW	8	s	30.02	+ .15	38	37	- 3	W	1	o	4	45	36	0.11	
Thurso ...	29.74	42	NNW	6	r	29.95	+ .19	39	37	- 1	NNW	3	b	4	46	38	0.16	
Wick ...	29.79	38	N	4	o	29.95	+ .18	34	33	- 3	Z	0	c	0	44	32	0.12	
Nairn ...	29.75	36	NW	7	b	30.02	+ .44	36	33	0	NW	1	b	2	43	33	0.14	
Aberdeen ...	29.69	39	NNW	5	r	29.93	+ .06	38	36	+ 4	N	4	b	2	42	34	0.21	
Leith ...	29.77	42	NNE	7	c	29.99	00	39	38	+ 7	N	4	b	*	46	31	0.02	
Shields ...	29.73	39	NW	3	b	29.95	- .09	39	38	+ 9	N	2	r	3	43	29	0.18	
York ...	29.73	37	NNW	1	b	29.94	- .13	37	37	+ 7	N	1	c	*	40	29	0.10	
Scarborough ...	29.70	38	NW	1	p	29.93	- .09	40	38	+ 6	NNE	2	o	2	42	34	0.07	
Nottingham ...	29.75	37	NNW	4	o	29.96	- .44	38	37	+ 7	NNW	1	o	*	40	30	0.04	
Ardrossan ...	29.85	42	NNW	3	b	30.03	- .04	43	39	+ 9	NW	4	b	3	48	33	0.02	
Greencastle ...	29.95	44	N	4	g	30.11	+ .02	42	40	+ 4	NNW	1	o	*	50	36	0.09	
Donaghadee ...	29.93	44	N	7	b	30.08	- .04	44	41	+ 8	N	6	c	4	45	34	0.08	
Kingstown ...	29.95	45	NW	7	c	30.13	- .08	42	39	+ 4	NNW	4	c	4	45	37	0.08	
Holyhead ...	29.86	36	W	7	o	30.04	- .11	44	42	+ 6	N	6	c	5	46	?	0.04	
Liverpool (Bidston) ...	29.78	42	NNW	6	b	30.00	- .11	41	39	+ 8	NW	3	o	3	43	35	0.03	
Valencia ...	30.22	48	NNW	4	o	30.28	- .03	48	45	+ 4	N	4	c	4	50	43	0.01	
Roche's Point ...	30.06	42	N	6	c	30.15	- .13	44	41	+ 5	N	5	b	4	44	37	-	
Pembroke ...	29.92	46	NW	5	o	30.04	- .13	44	41	+ 3	N	6	c	3	44	38	0.03	
Portishead ...	29.86	40	W	6	g	29.94	- .20	40	38	+ 6	N	5	c	5	44	32	0.07	
Seilly ...																		
Plymouth ...	30.00	43	N	1	o	29.97	- .20	40	39	+ 5	N	2	b	*	46	33	0.19	
Hurst Castle ...	29.88	42	NNW	4	o	29.88	- .23	40	40	+ 3	NE	3	r	2	43	34	0.04	
Dover ...	29.81	38	NNW	3	o	29.80	- .21	39	37	+ 1	NNE	3	c	2	41	35	0.12	
London ...	29.84	39	NW	4	o	29.84	- .18	36	35	0	N	3	b	*	40	35	0.09	
Oxford ...	*	*	*	*	*	29.93	- .17	38	37	+ 4	N	1	o	*	41	34	0.02	
Cambridge ...	29.81	37	NW	1	s	29.90	- .14	36	36	+ 4	NNW	1	c	*	42	31	0.24	
Yarmouth ...	29.77	33	NNW	3	s	29.85	- .13	36	35	+ 1	NNE	3	b	3	37	32	0.23	
The Helder ...	*	*	*	*	*	29.78	- .09	36	35	- 2	Z	0	c	*	*	*	0.12	
Cape Gris Nez	29.87	39	NNW	4	o	29.8	- .18	36	36	- 1	E	1	o	1	41	?	0.87	
Brest ...	30.11	46	NNW	3	o	29.95	- .22	43	37	+ 4	NE	4	o	3	46	37	0.12	
L'Orient ...	30.08	43	NNW	4	c	29.88	- .27	39	37	0	N	5	b	4	48	37	0.04	
Rocheport ...	30.04	37	NE	4	b	29.64	- .38	43	44	+ 2	N	6	o	5	54	32	0.47	
Biarritz ...	30.04	37	NNW	4	p	29.67	- .34	44	43	+ 7	NNW	5	r	5	50	36	0.43	
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	29.82	- .10	34	*	- 1	WSW	1	s	*	*	*	0.13	
Charleville ...	*	*	*	*	*	29.74	- .14	32	*	- 8	ENE	6	s	*	*	*	*	
Paris ...	29.90	39	NW	3	c	29.91	- .08	36	*	+ 2	NNE	3	o	*	*	*	0.08	
Lyons ...	*	*	*	*	*	?	?	41	*	- 3	N	2	f	*	*	*	*	
Toulon ...	29.62	43	NW	4	b	29.63	+ .06	34	30	- 3	NW	4	c	5	32	?	-	

## YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes ...	29.75	31	25	ESE	2	c	2	Valencia .....	30.26	48	46	NNW	3	o	4
Thurso .....	29.69	43	40	NNW	6	cy	5	Scilly .....							
Scarborough ...	29.82	37	34	W	2	s	3	London .....	29.97	40	36	NW	3	o	*
Greencastle ...	29.45	47	45	NW	4	o	*	Rocheport ...	30.02	48	43	NE	5	b	4
Holyhead .....	29.98	44	42	W	5	d	4								

The barometer has fallen everywhere since the morning and the centre of a depression lies apparently off the N.E. of Scotland. The wind is NW by W and blows strongly in Caithness. Warnings extended to our E. and W. Coasts this afternoon.

## EXPLANATION OF COLUMNS.

**WEATHER.**—Beaufort scale is, b. blue sky; o. 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.

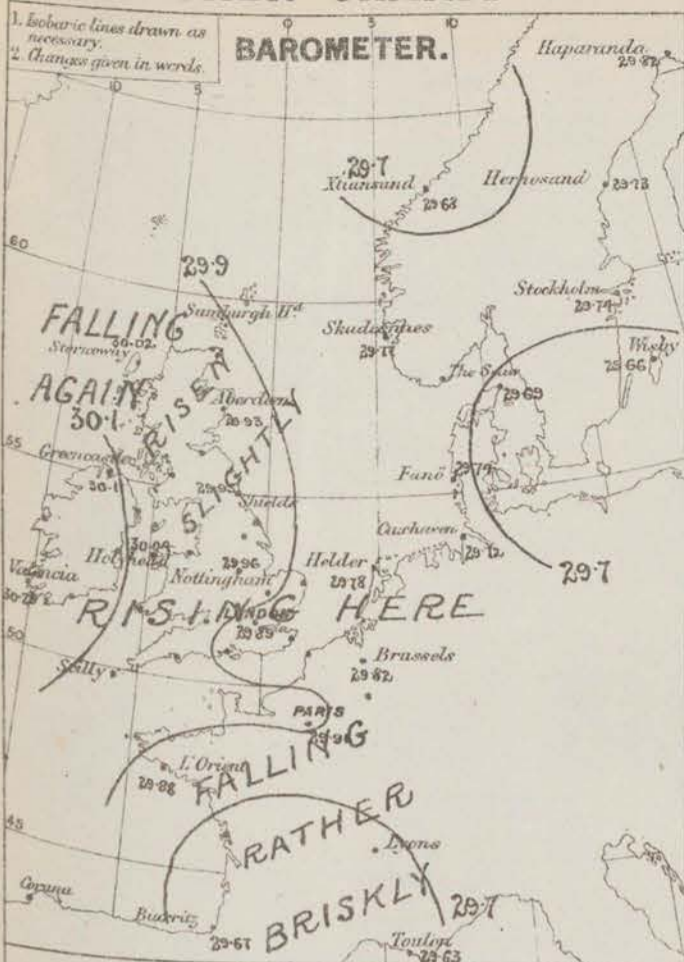
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

# WEATHER CHARTS for 8 a.m. on Friday FEB. 23<sup>RD</sup> 1877.

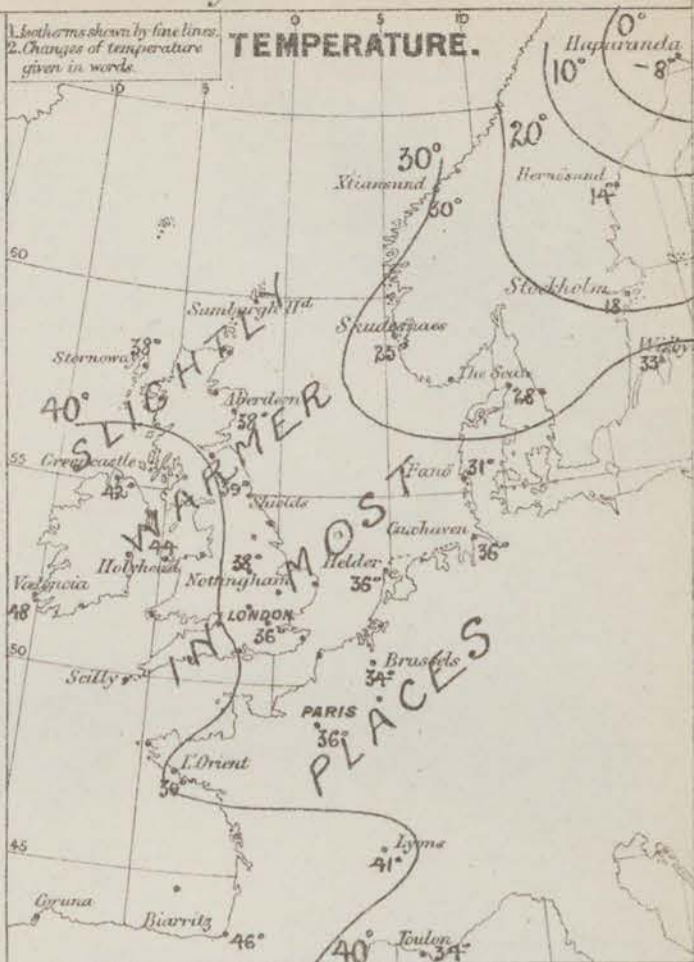
1. Isobaric lines drawn as necessary.
2. Changes given in words.

## BAROMETER.



1. Isotherms shown by fine lines.
2. Changes of temperature given in words.

## TEMPERATURE.



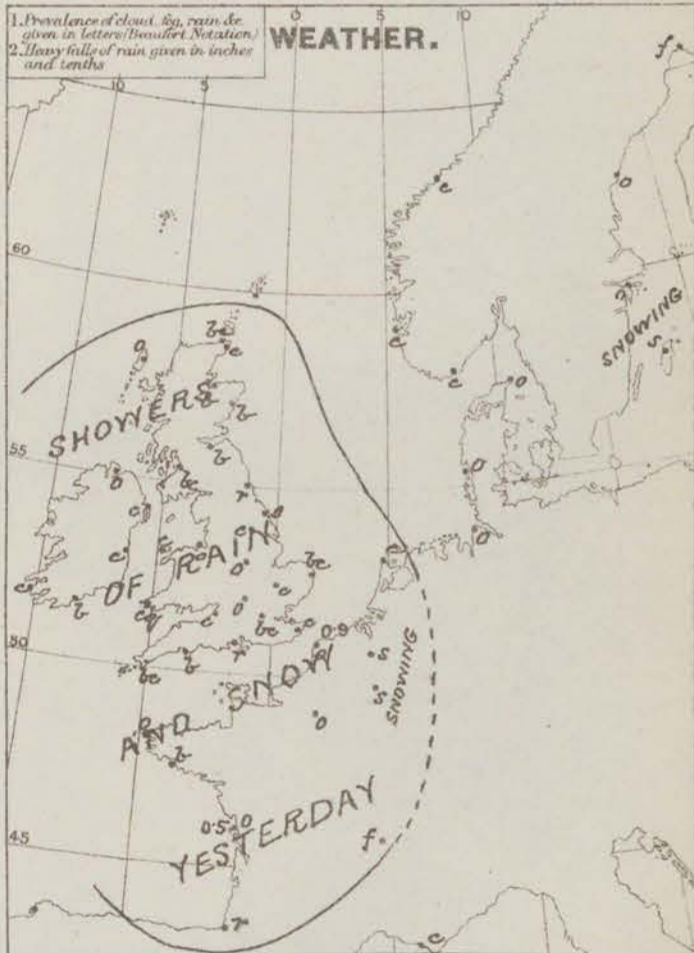
1. Arrows fly with the wind. Force 0 to 10 ——— above 10 ———
2. Dark curved arrow shows apparent general motion of air. Sea disturbance (—) — rough in shading (—) — high.

## WIND & SEA.



1. Prevalence of cloud, fog, rain &c. given in letters (Baird's Notation).
2. Heavy falls of rain given in inches and tenths.

## WEATHER.



## REMARKS.

The barometer is very unsteady on the coast of the British Isles, and neighbouring countries. After falling fast yesterday as a depression travelled in a SE<sup>th</sup> direction over the N<sup>th</sup> countries, it rose generally during the night, and still rises at our most S<sup>th</sup> stations. In the Shetlands, however, it is now falling again. Readings are still highest in the W. and three distinct depressions are found over the area covered by our various stations. Temperature has risen a little in most places. The wind rose to a moderate S.W. gale from N.W. in the N. and W. of our Islands, as the depression of yesterday passed off, and to a strong breeze in London. There were squalls, and N<sup>th</sup> winds are again reported on our coast, varying in strength from a light breeze in the E. to a strong equally wind in St. George's Channel. Showers of snow and rain fell at almost all the British stations yesterday. The sky is now clear in the NE, cloudy elsewhere, and the weather is not at all settled. The sea is rather rough in the S.W. moderate to slight elsewhere. On N<sup>th</sup>, E<sup>th</sup> and W<sup>th</sup> coasts were warmed yesterday.

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Meteorological Office.  
116, Victoria Street, Westminster, S.W.

R. H. SCOTT.  
Director.

# DAILY WEATHER REPORT FEB 24<sup>th</sup> 1877.

STATIONS.	† YESTERDAY EVENING.					3 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 3 A.M. yesterday.	Dry.	Wet.	Difference from 3 A.M. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	29.79	0	Z	0	0	29.66	+ .16	-6	-6	+ 2	N	2	bc	*	*	*	-	
Hernösand ...	29.63	18	Z	0	0	29.48	- .25	10	10	- 4	ENE	2	0	*	*	*	0.04	
Stockholm ...	29.54	21	NE	4	5	29.88	- .36	18	15	0	N	2	bc	*	*	*	0.16	
Wisby ...	29.54	34	SE	4	0	29.07	- .29	29	29	- 4	SSW	4	0	*	*	*	0.04	
Christiansund ...	29.70	29	SW	3	0	29.02	- .68	27	25	- 3	ESE	5	0	3	30	23	-	
Skudesnaes ...	29.21	28	ENE	1	0	29.09	- .68	38	33	+ 8	ESE	6	5	5	?	25	-	
Oxö (Xtiansand) ...	29.65	29	ENE	2	bc	29.26	- .47	31	36	+ 7	SSW	6	5	4	?	18	-	
Skagen (The Seaw) ...	29.62	29	NE	3	0	29.39	- .30	27	25	- 1	S	3	0	2	30	23	-	
Fanö ...	29.67	35	N	2	0	29.41	- .33	35	35	+ 4	SSW	3	0	*	36	30	0.12	
Cuxhaven ...	29.76	42	NNW	2	bc	29.34	- .18	36	36	0	NSW	4	0	*	*	34	0.05	
Sumburgh Head ...	29.72	46	NNW	5	r	29.39	- .63	42	42	+ 4	NNW	4	bc	4	47	37	0.44	
Thurso ...	29.61	45	N	5	r	29.28	- .67	43	42	+ 4	N	4	0	4	47	38	0.30	
Wick ...	29.56	44	NW	5	r	29.29	- .66	43	41	+ 9	N	5	bc	1	47	33	0.06	
Nairn ...	29.56	42	N	4	0	? 29.32	- .70	44	44	+ 10	N	2	0	2	46	36	0.07	
Aberdeen ...	29.71	42	SW	2	0	29.36	- .57	45	42	+ 7	N	4	0	1	48	37	0.01	
Leith ...	29.84	? 42	NSW	3	bc	29.44	- .55	47	45	+ 8	NN	3	bc	*	50	39	-	
Shields ...	29.89	43	N	2	0	29.48	- .47	47	44	+ 8	N	3	bc	3	47	39	0.04	
York ...	29.93	38	NW	1	0	29.56	- .38	47	46	+ 10	N	4	bc	*	47	36	0.04	
Scarborough ...	29.91	40	NNW	2	f	29.49	- .44	48	46	+ 8	N	4	bc	3	48	37	0.06	
Nottingham ...	29.97	38	SW	1	bc	29.65	- .31	47	45	+ 9	NNW	4	0	*	?	36	0.08	
Ardrossan ...	29.91	47	N	3	0	29.55	- .48	47	45	+ 4	NNW	4	0	3	48	41	0.12	
Greencastle ...	29.97	46	NW	4	0	29.63	- .48	48	48	+ 6	N	4	0	*	49	41	0.21	
Donaghadee ...	29.96	44	NW	5	0	29.65	- .43	47	47	+ 4	N	5	0	3	47	42	0.02	
Kingstown ...	30.04	48	NW	4	0	29.77	- .36	46	44	+ 4	NNW	6	0	5	48	41	-	
Holyhead ...	30.00	45	NNW	2	0	29.74	- .30	47	45	+ 3	NNW	5	0	4	48	44	0.01	
Liverpool (Bidston) ...	29.95	42	NNW	2	0	29.65	- .35	45	44	+ 4	N	7	0	4	45	41	0.05	
Valencia ...	30.23	47	NNW	3	bc	? 30.04	- .24	48	47	0	NN	4	0	4	51	45	0.11	
Roche's Point... ..	30.16	46	N	5	0	29.97	- .18	45	41	+ 1	N	5	0	4	50	44	-	
Pembroke ...	30.07	45	NW	1	0	29.85	- .49	47	45	+ 4	NNW	5	0	3	47	42	0.03	
Portishead ...	30.03	42	NW	3	bc	29.78	- .16	45	42	+ 5	NNW	5	0	4	49	37	-	
Seilly ...	30.06	45	N	2	0	29.91	- .06	45	45	+ 5	NW	1	0	*	50	39	-	
Plymouth ...	29.90	43	NNW	1	0	29.81	- .07	45	45	+ 5	N	4	0	2	45	38	0.01	
Hurst Castle ...	29.45	39	NW	3	0	29.72	- .08	41	40	+ 2	NSW	4	0	3	42	36	0.08	
Dover ...	29.97	48	NW	2	0	29.72	- .17	43	42	+ 7	N	3	0	*	45	35	0.03	
London ...	29.97	48	NW	2	0	29.72	- .17	43	42	+ 7	N	3	0	*	45	35	0.03	
Oxford ...	29.97	48	NW	2	0	29.72	- .17	43	42	+ 7	N	3	0	*	45	35	0.03	
Cambridge ...	29.96	40	NW	1	0	29.67	- .26	43	42	+ 7	SW	2	0	*	45	35	0.04	
Yarmouth ...	29.95	37	NNW	1	0	29.58	- .27	42	42	+ 6	N	4	0	2	42	35	0.09	
The Helder... ..	29.95	37	NNW	1	0	29.58	- .27	42	42	+ 6	N	4	0	2	42	35	0.09	
Cape Gris Nez ...	29.83	41	N	3	0	29.76	- .05	45	43	+ 9	N	4	0	3	?	36	0.06	
Brest ...	30.10	48	NW	2	0	30.05	+ .10	45	45	+ 5	NNW	3	0	3	48	41	0.04	
L'Orient ...	30.07	43	N	4	0	30.02	+ .14	46	45	+ 7	NNW	3	0	4	48	39	0.04	
Rochefort ...	29.94	45	NE	4	0	30.03	+ .39	43	43	0	NNE	3	0	3	50	37	0.04	
Biarritz ...	29.90	50	ENE	3	0	30.09	+ .12	39	36	- 7	ESE	1	0	4	50	36	0.12	
Corunna ...	29.90	45	ENE	3	0	30.09	+ .12	39	36	- 7	ESE	1	0	4	50	36	0.12	
Brussels ...	29.90	45	ENE	3	0	30.09	+ .12	39	36	- 7	ESE	1	0	4	50	36	0.12	
Charleville ...	29.90	45	ENE	3	0	30.09	+ .12	39	36	- 7	ESE	1	0	4	50	36	0.12	
Paris ...	30.07	39	N	3	0	29.88	- .03	37	37	+ 1	SW	3	0	*	45	35	0.04	
Lyons ...	29.90	45	ENE	3	0	30.09	+ .12	39	36	- 7	ESE	1	0	4	50	36	0.12	
Toulon ...	29.86	41	NW	4	0	29.78	+ .15	37	32	+ 3	NE	1	0	4	45	32	-	

## YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.	
Skudesnaes ...	29.67	27	25	Z	0	0	Valencia ...	30.27	50	49	NW	3	od	3
Thurso .....	29.81	43	41	N	2	0	Seilly .....							
Scarborough ...	29.92	42	41	NNW	4	bc	London .....	29.96	42	38	NNW	3	0	*
Greencastle ...	30.08	48	48	NW	3	0	Rochefort ...	29.94	45	43	ENE	5	bc	5
Holyhead .....	30.16	45	42	NNW	4	0								

The barometer is falling very briskly at the N.W. stations, but the change is not yet felt in the S. The wind is backing to N.W. or N. in the N. as the barometer falls but will probably soon veer again and blow strongly with showers of snow.

## EXPLANATION OF COLUMNS.

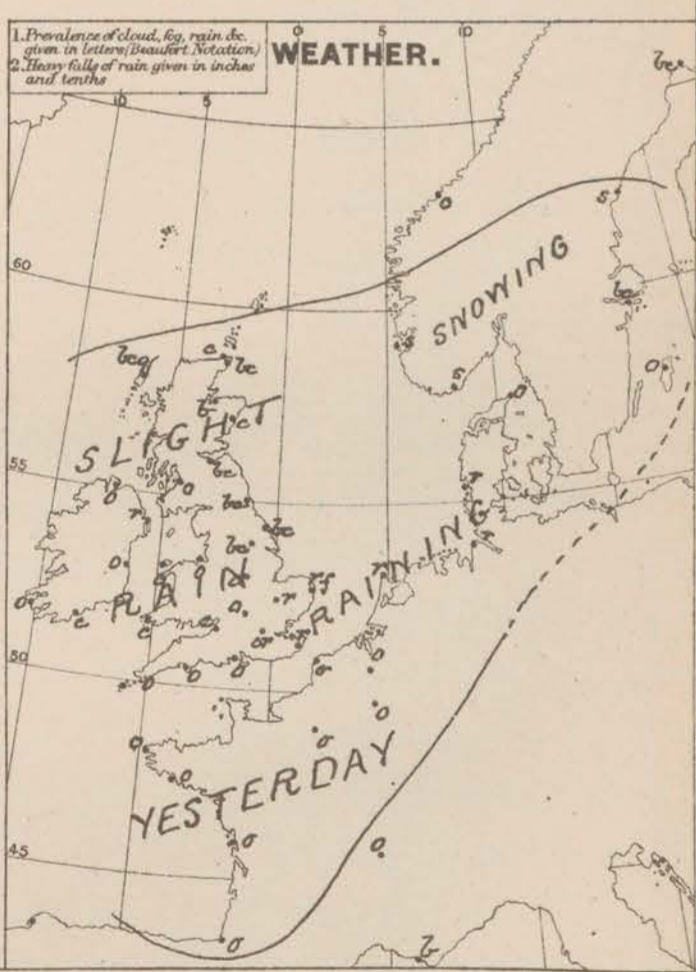
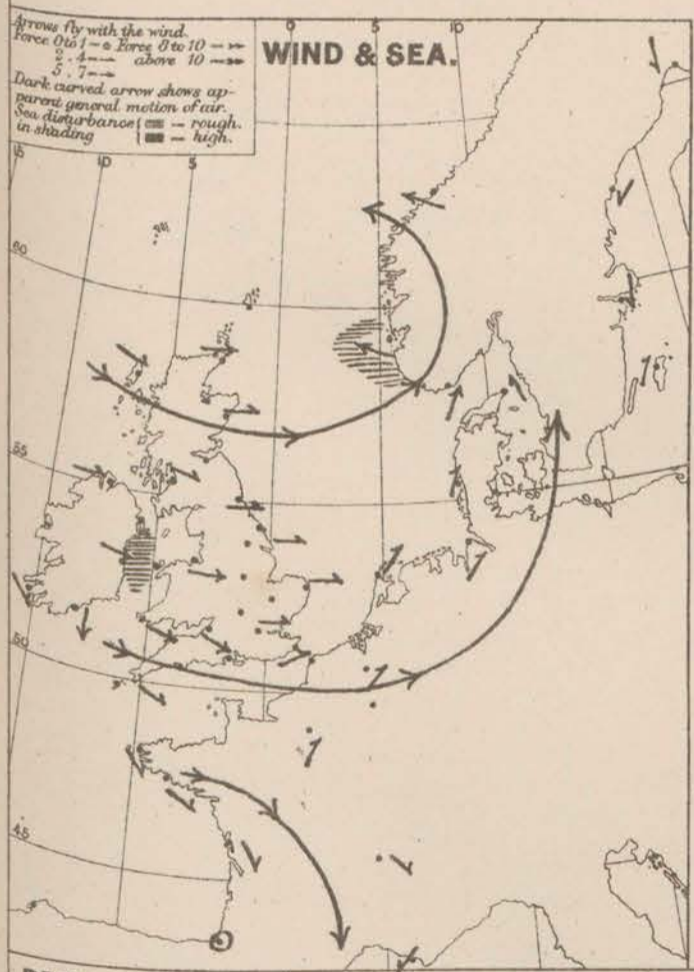
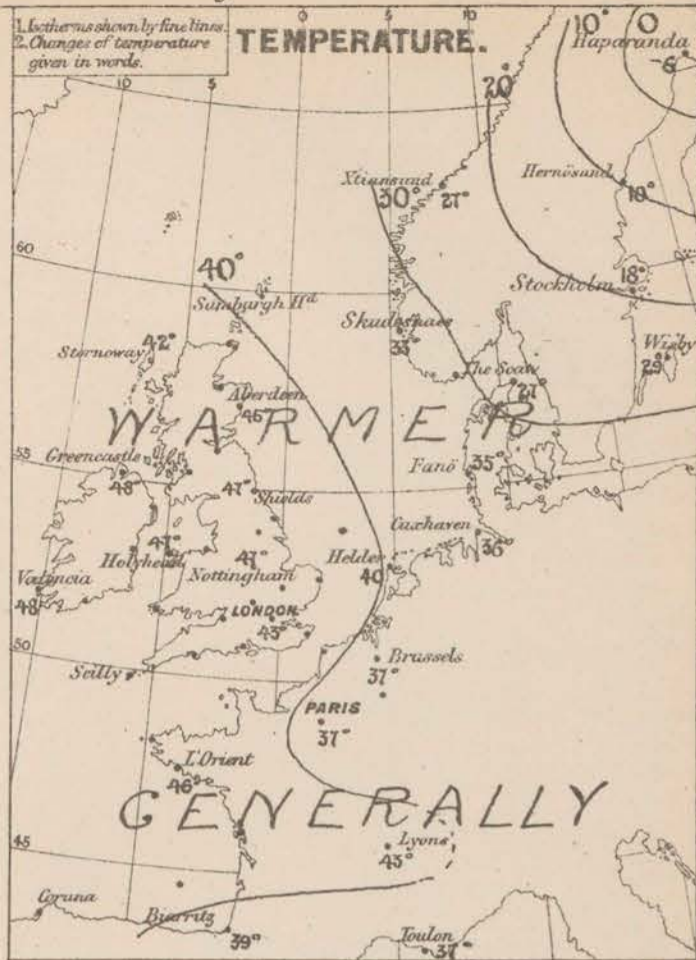
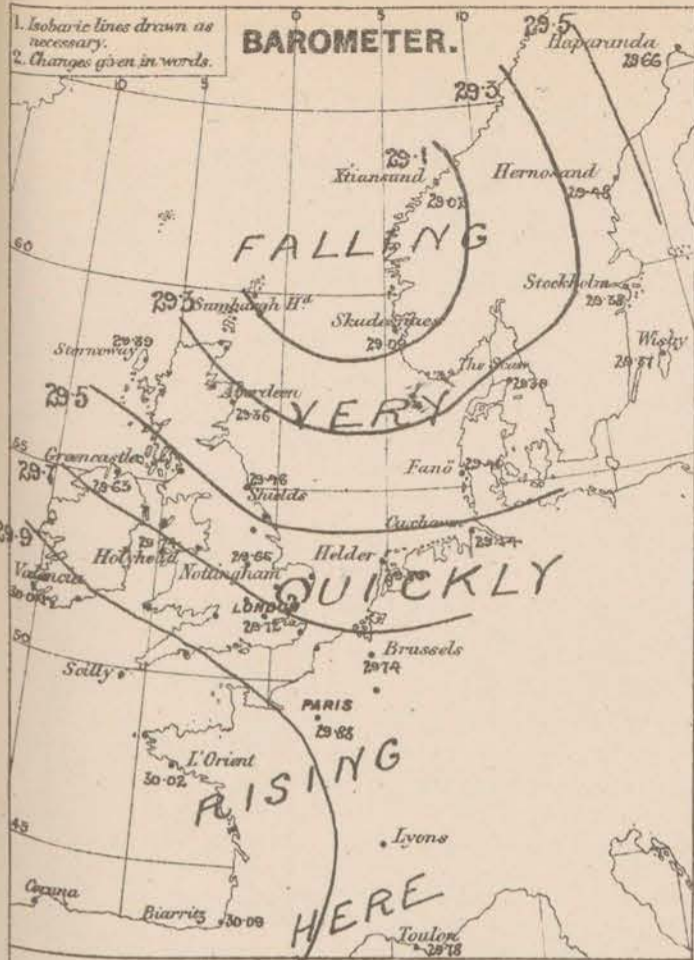
**WEATHER.**—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

WEATHER CHARTS for 8 a.m. on Saturday FEB 24<sup>TH</sup> 1877.



REMARKS. The fall of the barometer, which had commenced in the N yesterday morning has continued steadily and extended in a smaller degree to nearly all other parts of W<sup>e</sup> Europe. The centre of an extensive but not very deep depression now lies between the Shetland Islands and Norway, and moderate gradients for W<sup>s</sup> to WNW<sup>s</sup> winds prevail over the whole of the United Kingdom. Moderate to fresh W<sup>s</sup> and WNW<sup>s</sup> winds are blowing over the British Isles, and a strong breeze in the Irish Sea, while light E<sup>s</sup> W<sup>s</sup> winds are reported from Denmark, and fresh ESE<sup>s</sup> breezes from the W. of Norway. In the Bay of Biscay the wind is very light from the NNW<sup>s</sup>. Temperature has increased everywhere as the wind has backed to W, and is again high in our Islands, but the change is apparently only temporary. The sky is only cloudy except off our NE. coasts, and rain is falling at the SE<sup>s</sup> stations, as well as in the NE. of Ireland. The sea is moderate to smooth on our coasts, but rather rough off the W. of Norway. The signals are lowered in the SE this evening. D

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Meteorological Office,  
116, Victoria Street, Westminster. S.W.

**R. H. SCOTT.**  
Director.

# SUMMARY OF WEATHER IN WESTERN EUROPE

from FEB<sup>y</sup> 18<sup>th</sup> to FEB<sup>y</sup> 25<sup>th</sup> 1877.

(Issued Weekly as a Supplement to the "Daily Weather Report.")

The weather of the present week is very similar to that of the past, the highest pressures remaining steadily off our S.W. Coast, while depressions of more or less intensity have passed in an ESE<sup>y</sup> direction, across the North of Scotland and the North Sea. The disturbance of Feb<sup>y</sup> 19-20 which passed a little to the S<sup>rd</sup> of the above track was very deep and occasioned a serious N<sup>y</sup> gale on all but the Scotch coast. After its passage the mercury rose until the morning of Thursday, when a fresh fall occurred in the N. of Scotland, and from that time till the close of the week the changes were very rapid and irregular and the weather very unsettled. The wind has been generally N<sup>y</sup> to NW<sup>y</sup> and fresh in force on all coasts. Temperature has oscillated according to the direction of the wind but on the whole has not changed much. Snow, hail, and rain showers have been general.

FEB<sup>y</sup> 18<sup>th</sup>. Pressure was high both over Lapland (30.5 ins), and over the Bay of Biscay (30.3 ins), while the depression between the two exhibited two distinct disturbances, the one lying off the NE. of Scotland, the other over the S. of the Baltic. In consequence two currents of wind existed, one light NW<sup>y</sup> to NNW<sup>y</sup> over these Islands and France, and the other fresh SE<sup>y</sup> to E<sup>ly</sup> over Scandinavia. Temperature had fallen on our NW<sup>ly</sup> and NW<sup>ly</sup> Coast, as well as over Sweden and Denmark, but at our E<sup>ly</sup>, S<sup>ly</sup>, and the French stations it had risen. At Haparanda the weather remained exceedingly cold. The sky was generally cloudy, rain was falling at some of our NW<sup>ly</sup> stations, and snow at Skideeneas. During the day little change occurred in the general distribution of pressure, but the barometer fell at nearly all stations, and the weather became very wet over England.

FEB<sup>y</sup> 19<sup>th</sup>. The barometer had gone down briefly in the NW. and was still falling over the rest of our area, with the exception of the SE. of France, but two areas of relatively high pressure, were still reported, the one from the Gulf of Bothnia, the other <sup>from</sup> Spain, while over the North Sea, the centre of a shallow depression was lying. The wind blew freshly in Wales but was moderate in force elsewhere. It was NW<sup>y</sup> to NNW<sup>y</sup> over these Islands and the N. of France, SW<sup>y</sup> in the Netherlands, and SE<sup>y</sup> over Denmark and Norway. Temperature had risen fast in those countries where the SE<sup>y</sup> winds prevailed, but had fallen several degrees over these Islands, and the N. of France. The sky was clear or nearly so at most of our stations, but rain was <sup>falling</sup> over the Netherlands and North Germany, and snow in the S. of Norway. In the afternoon pressure gave way <sup>very</sup> seriously in the NW. and the NW<sup>y</sup> winds freshened.

FEB<sup>y</sup> 20<sup>th</sup>. During the night a deep depression had passed rapidly from our NNW<sup>ly</sup> stations, across the N. of England, SE<sup>y</sup> to the Coasts of Holland where its centre lay at 8 am. It had caused a fall of nearly an inch in the barometer in the SE. and very steep gradients prevailed on its NW<sup>ly</sup> and S<sup>ly</sup> sides. In the N. the mercury was recovering again. The wind had blown a very severe gale from N. or NW over England and Ireland during the night, and at Holyhead a hard gale still prevailed, while at many of our other stations as well as over France fresh gales were reported at 8 am. Temperature had risen over these Islands, but on the Eastern shores of the North Sea it had fallen. The sky was clearing in

the N. and N. but rain and snow squalls were reported in the Sand E. The barometer rose quickly during the day the depression apparently filling but the gale still held in the Irish Sea.

FEB. 21<sup>st</sup> The depression had advanced to Central Europe, & the barometer was rising quickly in all places except the S.E. of France. The highest pressures lay off the W. of Ireland, and rather steep gradients existed over these Islands and France, the wind being consequently everywhere fresh, at some stations increasing to the force of a gale. It was N<sup>4</sup>, in direction over the whole of NW Europe. Temperature had fallen, and varied from about 38° in the East to 43° at Valentia. The sky was moderately clear in most places, but showers of snow and hail had fallen generally. Later in the day the barometer fell somewhat in the W. so that gradient decreased and the N<sup>4</sup> wind fell lighter.

FEB. 22<sup>nd</sup> The barometer was going down quickly in the N. of Scotland, but in all other places the recovery noticed on the previous day still held. The highest pressure had moved slightly S<sup>W</sup> and the wind had backed from N to W. over the greater part of these Islands, though at the Channel, French, and N. German stations it still continued N<sup>4</sup>. It was much lighter in force than on the previous day. Temperatures had risen except in the extreme N. and N. Over England and France it was low <sup>the thermometer</sup> and was 6° higher in the Hebrides than in London, and 4° than at Toulon. The sky had become overcast in the N. with showers of snow, but remained generally clear in the S. By the evening the depression which had caused the fall of the barometer in the N. had reached our NE Coast and the mercury was recovering again at Norway while it was sinking elsewhere.

FEB. 23<sup>rd</sup> The barometer was rising over the greater part of our Islands, but was going way again in the Hebrides as well as on the Continent generally. The mercury remained highest off the W. of Ireland and three distinct areas of low readings were shown in different parts of NW Europe. With this distribution of pressure the winds had become very variable. It was N<sup>4</sup> over these Islands, and the Bay of Biscay, N<sup>4</sup> in the S. and E<sup>4</sup> in the N. of France, NW<sup>4</sup> in N. Germany, and E<sup>4</sup> in the Baltic. It was fresh at the NW stations moderate elsewhere. Temperatures had risen somewhat in most places. The sky was clear in the NE. but cloudy elsewhere, and snow and hail showers had again fallen. During the day another depression passed across our NW coasts and the wind backed to NW.

FEB. 24<sup>th</sup> The centre of a deep disturbance lay between the Shetlands, and the W. coast of Norway, causing the barometer to fall more than half an inch at all the more NW stations, and to a less extent in all places except the S. of France. The wind had shifted to W. or WNW. over these Islands, and to SW. on the E<sup>m</sup> shores of the North Sea. It was fresh or strong <sup>in force</sup> in the W. but was moderate in the E. In the W. of France it remained moderate from NW. Temperature had risen generally. The sky was overcast except in the NE. and rain was falling in the S.E. of England. The barometer continued to fall during the day and the NW<sup>4</sup> wind increased considerably on our E. Coast.

# DAILY WEATHER REPORT

FEB 25 1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 320 F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dirco.	Force. (0 to 12).		Reading at 320 F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirco.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	29.43	0	N	2	6	29.22	- .44	- 7	- 7	- 1	N	4	6c	*	*	*	-	
Hernösand ...	29.20	20	E N E	2	0	29.06	- .42	7	7	- 3	N E	6	6	*	*	*	0.04	
Stockholm ...	29.13	21	N E	4	5	28.67	- .71	27	27	+ 9	E	8	8	*	*	*	0.08	
Wisby ..	29.21	26	S S W	6	6	28.71	- .66	34	33	+ 5	S W	6	6	*	*	*	0.12	
Christiansund ...																		
Skudesnaes ...	28.78	37	N	6	6	28.70	- .39	31	31	- 2	N	2	5	3	37	?	-	
Oxö (Xtiansand) ...	28.89	31	N N W	2	5	28.76	- .50	25	25	+ 6	N E	2	0	3	32	23	-	
Skagen (The Scaw) ...	28.89	34	N N W	5	0	28.73	- .66	28	27	+ 1	N N W	4	0	4	36	27	0.28	
Fanö ...	29.02	40	N	4	0	28.84	- .57	36	36	+ 1	N S W	6	7	*	41	34	0.16	
Cuxhaven ...	29.29	44	N S W	4	7	29.04	- .50	40	42	+ 4	N	4	6	*	38	36	0.09	
Sumburgh Head																		
Stornoway	29.23	41	N N W	7	0	29.08	- .31	37	36	- 5	N N W	6	0	6	46	34	0.15	
Thurso ...	29.11	40	N	5	5	28.87	- .41	38	36	- 5	N W	6	0	6	47	35	0.30	
Wick ...	29.05	39	N W	6	6	28.88	- .41	34	33	- 9	N W	7	0	3	40	32	0.15	
Nairn ...	29.23	38	N N W	4	0	28.98	- .34	37	35	- 9	N W	5	0	3	48	35	0.05	
Aberdeen ...	29.18	41	N N W	4	8	28.93	- .43	37	34	- 8	N N W	6	0	1	50	36	0.09	
Leith ...	29.29	47	N W	4	6	29.09	- .35	39	38	- 8	N W	4	6	*	55	38	-	
Shields ...	29.35	47	N N W	6	0	29.15	- .33	42	39	- 5	N N W	5	0	2	52	41	0.04	
York ...	29.42	48	N	5	6	29.22	- .34	45	42	- 2	N N W	4	0	*	54	42	0.04	
Scarborough ...	29.37	47	N	4	6	29.16	- .33	44	42	- 4	N N W	5	6	3	53	42	0.04	
Nottingham ...	29.54	49	N N W	3	0	29.32	- .33	48	45	+ 1	N N W	7	0	*	57	44	0.02	
Ardrossan ...	29.42	46	N N W	6	7	29.22	- .33	48	40	- 4	N W	6	6	5	49	41	0.16	
Greencastle ...	29.57	46	N W	5	6	29.33	- .30	42	41	- 6	N N W	5	6	*	57	41	0.43	
Donaghadee ...	29.53	46	N W	5	6	29.34	- .31	44	42	- 3	N W	6	6	4	50	43	-	
Kingstown ...	29.64	50	N N W	6	0	29.44	- .33	48	46	+ 2	N N W	6	0	5	52	45	0.04	
Holyhead ...	29.62	49	N	6	0	29.43	- .31	47	46	0	N	6	7	4	51	46	0.14	
Liverpool (Bidston) ...	29.53	46	N	7	0	29.33	- .32	46	45	+ 1	N	8	0	5	49	44	0.04	
Valencia ...	29.94	50	N N W	4	0	29.79	- .25	48	46	0	N N W	4	7	4	51	46	0.09	
Roche's Point ...	29.85	50	N N W	5	0	29.69	- .28	47	44	+ 2	N W	5	6	4	52	45	-	
Pembroke ...	29.71	49	N N W	5	0	29.57	- .28	49	48	+ 2	N N W	8	0	5	49	46	0.01	
Portishead ...	29.65	49	N	4	0	29.50	- .28	47	46	+ 2	N	6	0	4	51	42	-	
Scilly ...																		
Plymouth ...	29.79	49	N N W	2	0	29.67	- .24	49	48	+ 4	N	3	0	*	50	45	-	
Hurst Castle ...	29.66	50	N N W	5	7	29.57	- .24	49	48	+ 4	N N W	5	0	4	50	43	0.01	
Dover ...	29.59	48	N	4	0	29.48	- .24	45	43	+ 4	N S W	4	0	3	49	43	0.13	
London ...	29.59	50	N	3	0	29.46	- .26	47	45	+ 4	N	4	0	*	51	42	0.10	
Oxford ...	*	*	*	*	*	29.44	- .29	47	45	+ 4	N S W	3	0	*	52	43	-	
Cambridge ...	29.53	48	S W	2	0	29.38	- .29	46	43	+ 3	S W	2	0	*	52	42	0.02	
Yarmouth ...	29.45	47	N	4	0	29.29	- .29	44	42	+ 2	N	5	0	2	49	41	0.02	
The Helder ...	*	*	*	*	*	29.19	- .47	45	43	+ 5	N S W	5	0	*	*	*	0.16	
Cape Gris Nez	29.60	46	N S W	5	0	29.52	- .24	46	45	+ 2	N	6	0	4	48	43	0.08	
Brest ...	29.95	50	N W	3	0	29.88	- .17	48	46	0	N N W	4	0	3	50	45	0.08	
L'Orient ...	29.95	48	N W	4	0	29.89	- .13	48	48	+ 2	N W	4	7	4	50	45	-	
Rochefort ...	29.92	48	N	4	0	29.86	- .17	48	48	+ 7	N W	4	0	3	52	36	0.08	
Biarritz ...	30.07	50	E N E	1	0	29.98	- .11	49	48	+ 13	N N W	4	7	3	53	39	0.12	
Corunna ...	*	*	*	*	*	30.02		50	*		N	0	0	*	*	*	*	
Brussels ...	*	*	*	*	*	29.45	- .29	44	*	+ 7	N S W	3	0	*	*	*	-	
Charleville ...	*	*	*	*	*	?		45	*	+ 11	N	1	0	*	*	*	*	
Paris ...	29.73	44	N	3	0	29.66	- .22	48	*	+ 11	N	3	0	*	*	*	0.04	
Lyons ...	*	*	*	*	*	?	?	44	*	+ 1	S E	2	0	*	*	*	*	
Toulon ...	29.83	43	N N W	4	6	29.86	+ .08	39	32	+ 2	N W	4	6	4	50	39	-	

## YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	28.89	37	36	N S W	2	7	4	Valencia .....	29.97	57	58	N N W	5	0	4
Thurso .....	29.15	42	40	N	6	0	5	Scilly .....							
Scarborough ...	29.39	53	49	N N W	4	6	3	London .....	29.63	51	49	N	3	0	*
Greencastle ...	29.59	49	46	N W	4	0	*	Rochefort ...	29.96	57	55	N S W	4	0	3
Holyhead .....	29.65	50	49	N N W	5	6	4								

The barometer continues to fall generally, most in Scotland. A strong squally N.W. breeze has set in at Thurso, and a slight gale at Shields during the morning.

## EXPLANATION OF COLUMNS.

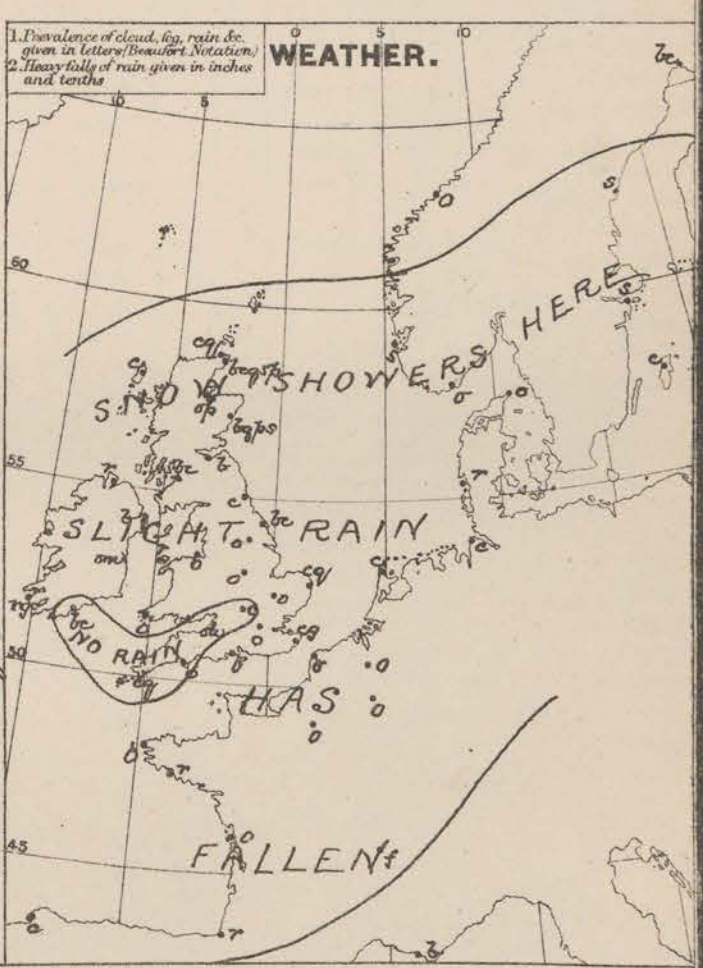
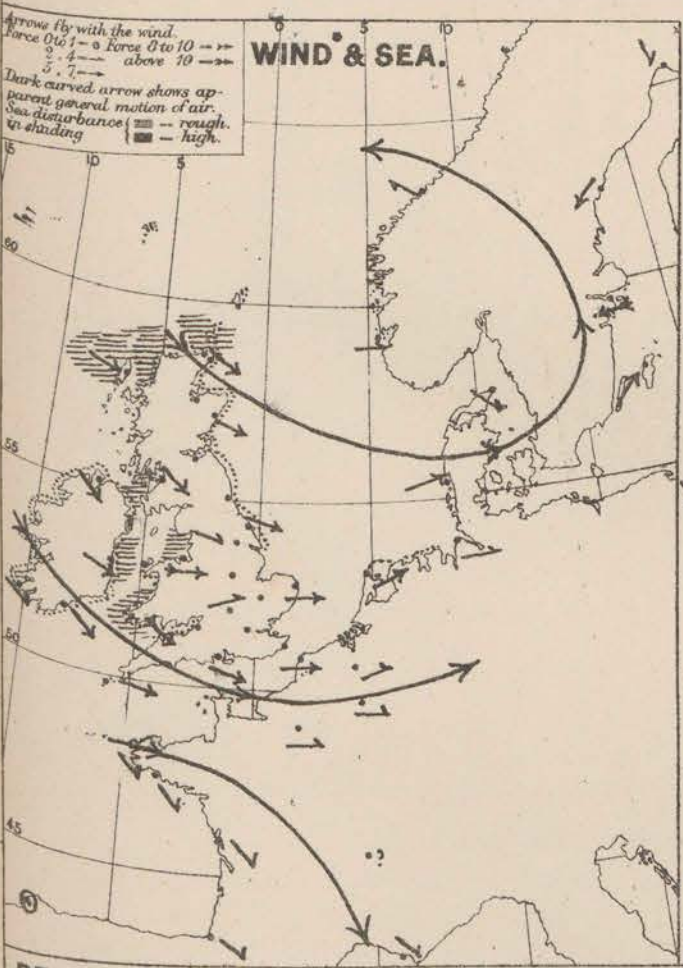
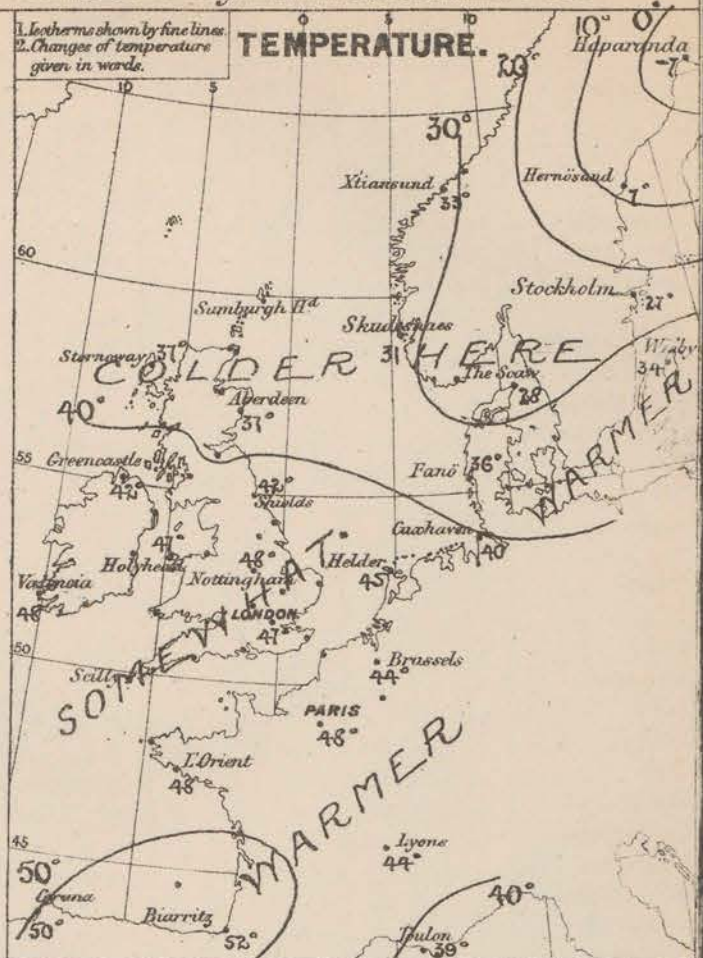
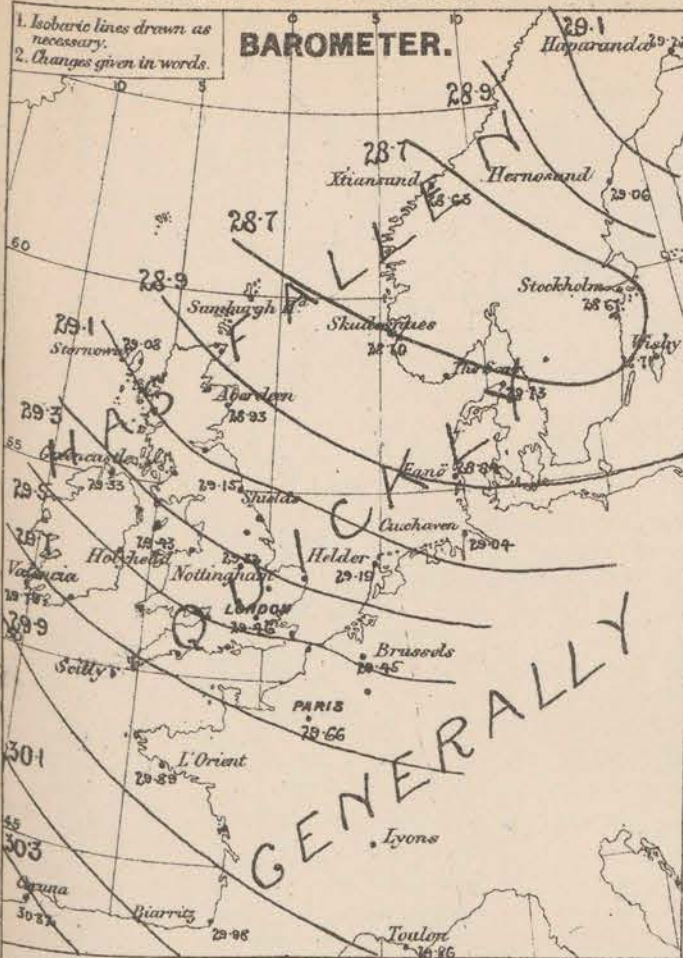
WEATHER.—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

† The evening observations are taken at 8 p.m. in our Islands, at 6 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

WEATHER CHARTS for 8 a.m. on Sunday FEB. 25<sup>TH</sup> 1877.



Mt. Dotted lines is drawn round the courts where the signals were  
erected yesterday

REMARKS. The fall of the barometer, which commenced in the N. on Friday morning has since become general, the decrease being very brisk, especially over Scandinavia. The depression noticed off our N<sup>o</sup> coasts yesterday morning, has since become deeper, and the gradients are steep on all our coasts. During last night moderate to fresh NW<sup>o</sup> gales were felt at our W<sup>o</sup>, N<sup>o</sup> and NE<sup>o</sup> stations, these have now subsided in most places, but the wind continues strong in force generally. Temperature has decreased slightly in the N. but has risen over England, Ireland and France. Snow squalls are reported from the N. of Scotland, and E. of Norway this morning. The sky is cloudy generally. The sea is rough in the extreme N. and the Arctic Sea, moderate elsewhere. Our W<sup>o</sup>, N<sup>o</sup> and NE<sup>o</sup> coasts were warmed yesterday.

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Meteorological Office,  
116, Victoria Street, Westminster, S.W.

**R. H. SCOTT.**  
Director.

# DAILY WEATHER REPORT FEB<sup>RY</sup> 26<sup>TH</sup> 1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		W. weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.			
			Direc.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12).			Max.	Min.	Amount of Rainfall.	
Haparanda ...	29.10	1	N	2	o	29.01	- .21	1	1	+ 8	N	4	o	*	*	*	-	
Hernösand ...	29.95	8	NE	6	o	28.89	- .17	6	5	+ 1	?	6	c	*	*	*	0.04	
Stockholm ...	28.50	26	Z	o	s	28.67	.00	12	11	- 15	NN	6	s	*	*	*	0.35	
Wisby ...	28.66	26	NNN	8	c	28.75	+ .04	18	16	- 16	NN	8	s	*	*	*	0.04	
Christiansund ...	28.78	26	NNE	6	c	28.95	+ .32	22	21	- 11	ESE	1	c	3	32	19	-	
Skudesnaes ...	28.71	33	ESE	5	s	28.92	+ .22	31	27	o	NNN	7	e	4	?	?	-	
Oxö (Åtlandsund) ...	28.80	28	NE	4	s	?	?	21	20	- 4	?	4	c	3	28	19	-	
Skagen (The Seaw) ...	28.86	28	NE	3	o	28.93	+ .20	20	18	- 8	NE	2	c	2	30	18	-	
Fanö ...	28.92	37	NSW	6	P	28.89	+ .05	37	35	+ 1	NSW	6	c/s	*	37	32	0.08	
Cuxhaven ...	28.99	44	?	7	f	29.03	- .01	37	36	- 3	NSW	2	o	*	34	36	0.11	
Sumburgh Head ...																		
Stornoway ...	29.23	35	N	5	bc	29.32	+ .44	32	31	- 5	NNN	6	g/s	6	44	30	0.18	
Thurso ...	29.12	37	NNW	5	c	29.38	+ .57	34	33	- 4	NNN	5	s	6	48	31	0.18	
Wick ...	?	34	NN	5	bc	29.38	+ .30	33	32	- 1	NN	4	bc	3	41	30	0.09	
Nairn ...	29.21	37	NNN	3	bc	29.42	+ .44	33	32	- 4	NNN	5	f	5	40	32	0.02	
Aberdeen ...	29.12	36	NNN	3	f	29.30	+ .37	35	32	- 2	NNN	6	f	5	41	32	0.35	
Leith ...	29.19	39	NN	2	c	29.38	+ .29	34	32	- 5	NNN	3	f	*	49	32	-	
Shields ...	29.19	43	NNN	1	f	29.29	+ .44	34	33	- 8	N	4	s	3	47	34	-	
York ...	29.26	42	NN	2	o	29.25	+ .03	34	33	- 11	N	2	s	*	30	32	0.34	
Scarborough ...	29.23	41	NN	3	f	29.23	+ .07	38	36	- 6	N	6	ss/p	6	47	36	0.25	
Nottingham ...	29.34	43	Z	o	f	29.25	- .07	33	33	- 15	N	2	s	*	50	32	0.31	
Ardrossan ...	29.25	42	NNN	3	o	29.46	+ .24	35	31	- 8	NNN	2	f	1	46	34	-	
Greencastle ...	29.26	39	NNN	2	r	29.50	+ .17	37	34	- 5	NNE	2	f	*	44	33	0.43	
Donaghadee ...	29.29	40	NSW	3	f	29.48	+ .14	37	34	- 7	NNE	6	f	4	46	34	0.02	
Kingstown ...	29.37	47	NNN	6	c	29.32	+ .08	38	36	- 10	NN	5	bc	4	30	35	0.23	
Holyhead ...	29.35	47	N	6	s	29.43	.00	39	36	- 8	NNE	7	c	6	34	37	0.24	
Liverpool (Bidston) ...	29.32	43	NNN	2	f	29.37	+ .04	34	33	- 12	N	3	c	4	47	33	1.11	
Valencia ...	29.64	48	NNN	4	c	29.70	- .09	41	38	- 7	N	3	bc	3	57	38	0.10	
Roche's Point ...	29.59	49	NNN	5	c	29.64	- .05	38	36	- 9	NN	4	c	4	52	37	0.09	
Pembroke ...	29.57	47	NNN	7	c	29.42	- .15	40	39	- 9	N	6	c/s	5	49	39	0.03	
Portishead ...	29.48	48	N	7	f	29.23	- .21	42	40	- 5	N	7	bc	5	44	40	0.06	
Seilly ...																		
Plymouth ...	29.64	49	NNN	3	c	29.40	- .27	44	43	- 5	NNN	5	c	*	57	43	0.03	
Hurst Castle ...	29.53	50	NNN	5	o	29.26	- .31	46	45	- 3	NNN	7	bc	6	57	44	0.01	
Dover ...	29.43	48	N	4	bc	29.15	- .33	45	41	o	N	5	bc	4	53	44	0.02	
London ...	29.43	49	N	5	c/s	29.18	- .28	44	40	- 3	N	5	bc/s	*	55	44	0.02	
Oxford ...	*	*	*	*	*	29.19	- .25	42	39	- 5	N	5	c	*	53	41	0.01	
Cambridge ...	29.36	45	N	1	f	29.14	- .24	36	35	- 10	N	2	s	*	53	35	0.21	
Yarmouth ...	29.29	45	NNN	5	c	29.05	- .24	37	36	- 7	N	5	ss/g	5	48	35	0.38	
The Helder ...	*	*	*	*	*	29.04	- .15	36	36	- 9	Z	o	s	*	*	*	0.39	
Cape Gris Nez ...	29.45	48	N	6	bc	29.18	- .24	48	46	+ 2	N	9	c	7	50	43	0.04	
Brest ...	29.94	50	NN	3	o	29.65	- .23	50	46	+ 2	N	5	o	5	52	46	-	
L'Orient ...	29.88	50	NN	5	r	29.73	- .16	50	46	+ 2	NNN	6	r	4	54	45	-	
Rochefort ...	29.86	50	NN	4	o	29.82	- .04	50	48	o	NNN	5	o	5	54	37	-	
Biarritz ...	29.99	54	NNN	3	r	29.97	- .01	50	48	- 2	NSW	3	P	3	54	45	0.32	
Corunna ...	*	*	*	*	*									*	*	*	*	
Brussels ...	*	*	*	*	*	29.20	- .25	46	*	+ 1	SW	9	o	*	*	*	0.09	
Charleville ...	*	*	*	*	*	29.34		44	*		SSW	3	o	*	*	*	*	
Paris ...	29.63	49	N	3	c	29.49	- .17	47	*	- 1	NSW	4	o	*	*	*	0.04	
Lyons ...	*	*	*	*	*	?	?	48	*	+ 4	SE	2	m	*	*	*	*	
Toulon ...	29.77	50	N	5	f	29.75	- .11	46	43	+ 7	NN	5	f	5	52	39	-	

## YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	28.71	35	32	N	2	c	3	Valencia .....							
Thurso .....								Scilly .....							
Scarborough ...								London .....					*		
Greencastle ...						*		Roche fort ...	29.88	54	52	NN	5	o	3
Holyhead .....															

## EXPLANATION OF COLUMNS.

**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.

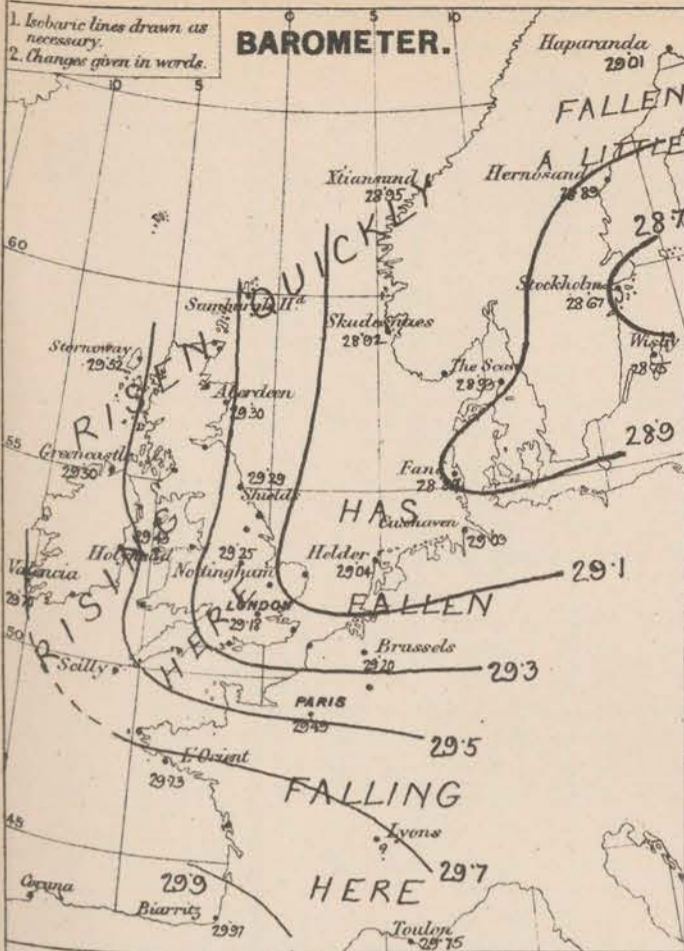
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

N.B.—The wind is said to "veer" when its direction changes with the sea, and to "back" when it shifts in the opposite direction.

# WEATHER CHARTS for 8 a.m. on Monday 26<sup>th</sup> FEB. 1877.

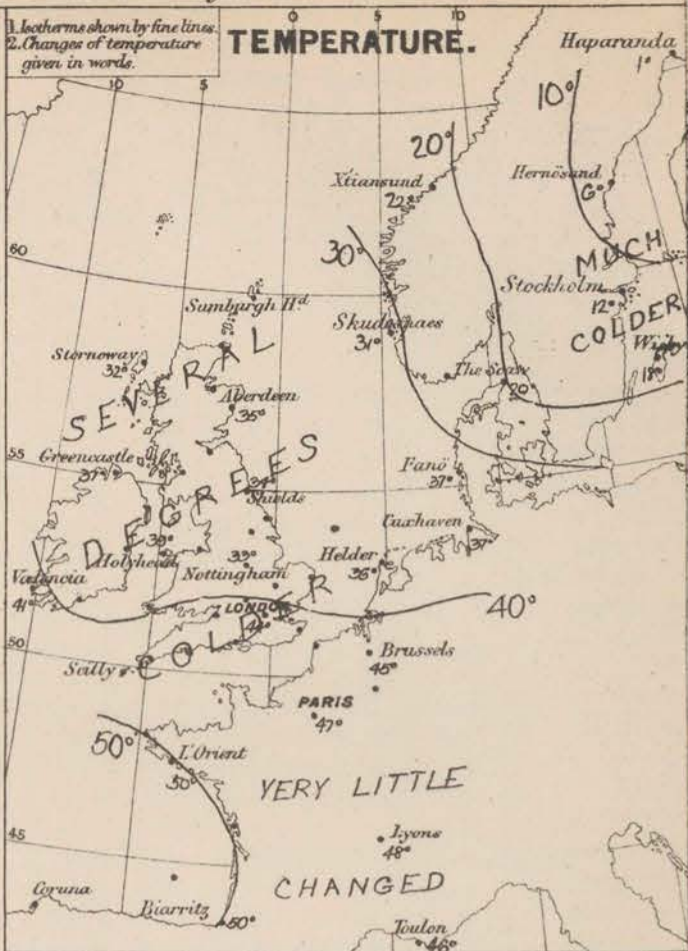
1. Isobaric lines drawn as necessary.
2. Changes given in words.

## BAROMETER.



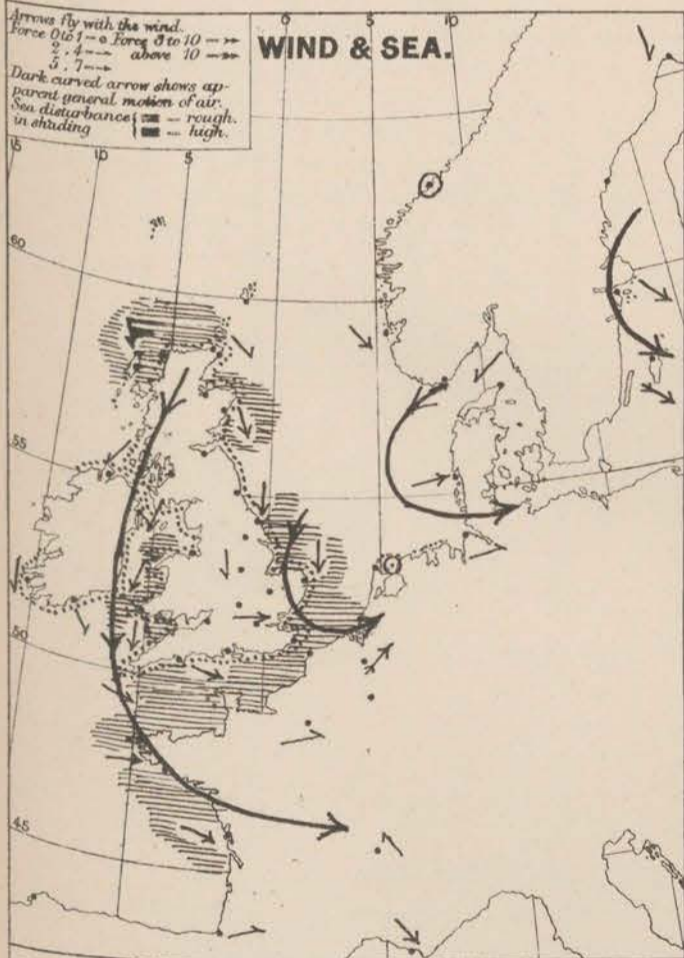
1. Isotherms shown by fine lines.
2. Changes of temperature given in words.

## TEMPERATURE.



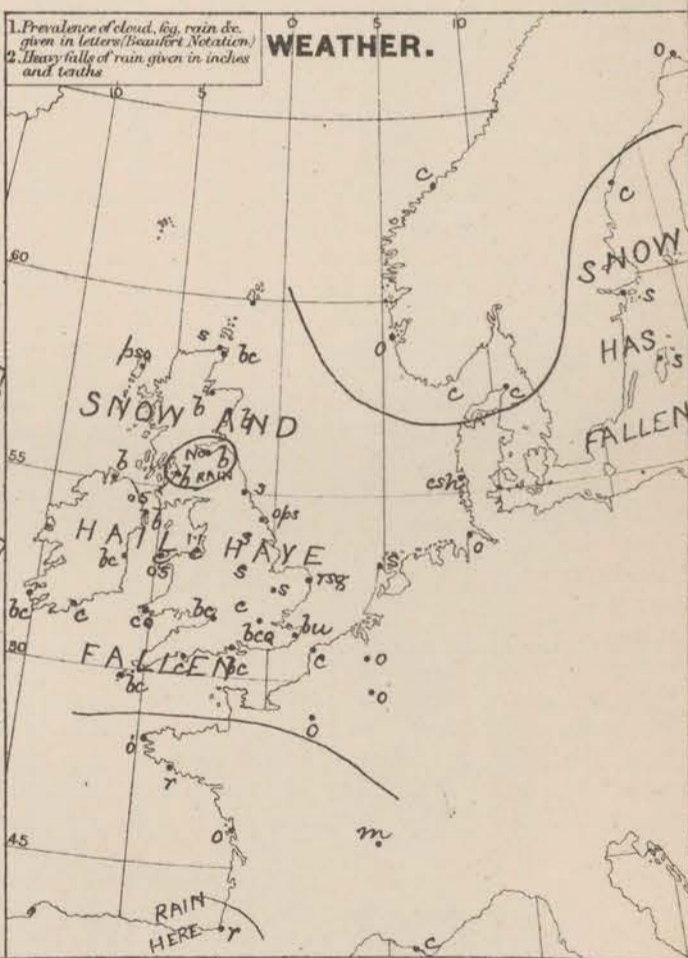
1. Arrows fly with the wind.
2. Force 0 to 10 —
- 3, 4, 5, 6, 7, 8, 9, 10 —
- Dark curved arrow shows apparent general motion of air.
- Sea disturbance: — rough, in shading — high.

## WIND & SEA.



1. Prevalence of cloud, fog, rain &c. given in letters (Bauder's Notation).
2. Heavy falls of rain given in inches and tenths.

## WEATHER.



A dotted line is drawn round these coasts which were warned either on Saturday or yesterday.

**REMARKS.** The weather since Saturday has been in a most unsettled state, and three areas of low pressure are now shown within the region embraced by our chart. During Saturday night the depression reported that morning off our north coasts became far more serious, while a small subsidiary disturbance appears to have travelled across Central England since last evening. The centre of the former now lies over Denmark, where pressure is as low as 28.89 in., and that of the latter off the mouth of Thames, and the barometer is now rising except in France. The change in Caithness amounts to half an inch, and elsewhere the recovery is apparently proceeding briskly. The wind is N<sup>th</sup> over the greater part of these Islands, but draws into W. over the Channel and France. It has blown very strongly over nearly the whole of these Islands during the past 48 hours, and still blows a moderate gale in the Channel, and a hard gale in the Netherlands. Temperature has fallen everywhere, the decrease being as much as 15° at Nottingham. The weather is now rather cold in the north. The sky is clear over Scotland, cloudy elsewhere, with showers of snow over England. The sea is rough. Our west, north and north-east coasts were warned on Saturday, and our south and south-east coasts on Sunday.

Subscription for these Charts payable in advance to cover delivery. Delivery by hand 30 per quarter, book post 5 per quarter.

Meteorological Office,  
116, Victoria Street, Westminster, S.W.

R. H. SCOTT.  
Director.

# DAILY WEATHER REPORT

FEB 27<sup>TH</sup> 1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 5).	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 15).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 15).			Max.	Min.		
Haparanda ...	29.02	-3	N	4	c	29.05	+ .04	1	0	0	NNE	6	o	*	*	*	-	
Hernösand ...	28.95	8	N	6	o	29.09	+ .20	4	3	-	NNW	2	be	*	*	*	-	
Stockholm ...	28.88	9	NNW	4	be	29.02	+ .35	4	4	-	NNW	2	o	*	*	*	0.01	
Wisby ...	28.93	7	N	6	o	29.09	+ .34	17	15	-	NNW	4	s	*	*	*	0.08	
Christiansund ...	29.00	22	SE	1	be	29.16	+ .21	21	19	-	E	3	o	3	25	18	-	
Skudesnaes ...	29.02	28	NNW	2	s	29.20	+ .28	28	26	-	NNW	7	s	5	30	28	-	
Oxö (Ålansand) ...	28.99	23	N	4	c	29.15	?	15	15	-	N	4	c	2	27	12	-	
Skagen (The Seal) ...	29.03	20	SSW	2	s	29.17	+ .22	23	22	+	Z	0	s	0	25	19	0.04	
Fanö ...	29.19	32	NNW	8	c	29.32	+ .43	31	30	-	NNW	7	c	*	37	28	-	
Cuxhaven ...	29.11	42	N	7	s	29.41	+ .38	33	33	-	NW	7	csq	*	*	30	-	
Sumburgh Head																		
Stornoway	29.71	27	N	5	s	29.84	+ .32	24	23	-	NNW	7	s	6	31	21	0.06	
Thurso ...	29.58	28	NW	5	c	29.68	+ .30	25	24	-	NNW	6	spg	6	35	22	0.08	
Wick ...	29.59	24	N	6	s	29.70	+ .32	21	20	-	N	4	s	3	33	19	0.15	
Nairn ...	29.68	27	NNW	4	be	29.77	+ .35	24	24	-	NNW	6	be	4	36	23	-	
Aberdeen ...	29.56	34	NNW	5	be	29.67	+ .37	23	22	-	NW	5	ps	3	36	22	0.03	
Leith ...	29.66	33	NNE	3	be	29.78	+ .40	27	26	-	NNE	3	be	*	43	24	0.02	
Shields ...	29.62	32	N	6	be	29.74	+ .45	26	25	-	NNW	2	be	6	40	25	0.02	
York ...	29.62	37	NW	1	be	29.74	+ .49	26	26	-	N	1	be	*	42	24	0.15	
Scarborough ...	29.61	33	NNW	5	s	29.70	+ .47	27	7	-	NNW	4	sp	0	45	27	0.11	
Nottingham ...	29.71	35	NW	3	be	29.79	+ .54	30	28	-	NNW	3	be	*	40	25	0.05	
Ardrossan ...	29.71	35	NW	2	be	29.84	+ .38	28	26	-	NW	4	be	4	43	21	0.08	
Greencastle ...	29.76	36	NNE	2	c	29.90	+ .40	31	31	-	NNE	3	c	*	43	30	0.20	
Donaghadee ...	29.76	38	NNW	6	be	29.87	+ .39	32	30	-	NW	6	s	5	41	30	0.02	
Kingstown ...	29.79	41	NW	4	c	29.94	+ .42	36	34	-	NW	4	be	4	43	34	-	
Holyhead ...	29.73	41	NW	5	o	29.86	+ .43	38	34	-	NNW	6	c	5	43	37	0.03	
Liverpool (Bidston) ...	29.71	36	NNW	4	c	29.82	+ .45	34	31	0	NW	5	be	4	40	33	0.08	
Valencia ...	29.95	43	NNW	2	be	30.06	+ .36	43	38	+	NW	2	be	3	48	37	0.05	
Roche's Point ...	29.88	40	NNW	5	be	30.02	+ .38	38	36	0	NW	4	be	3	47	36	0.02	
Pembroke ...	29.82	42	NW	3	be	29.92	+ .50	42	39	+	NNW	4	be	3	44	39	0.01	
Portishead ...	29.77	41	NW	4	be	29.87	+ .64	38	35	-	N	4	be	4	45	33	0.01	
Seilly ...																		
Plymouth ...	29.83	42	NW	3	be	29.95	+ .55	37	36	-	N	2	o	*	50	32	0.06	
Hurst Castle ...	29.76	40	N	3	be	29.89	+ .63	39	38	-	NNW	5	be	4	46	33	-	
Dover ...	29.65	38	N	4	be	29.81	+ .66	34	32	-	WSW	2	be	1	47	32	0.06	
London ...	29.72	40	N	4	be	29.80	+ .62	34	33	-	N	3	be	*	46	31	0.06	
Oxford ...	*	*	*	*	*	29.82	+ .63	34	33	-	N	2	c	*	?	31	0.09	
Cambridge ...	29.69	35	NW	2	be	29.78	+ .59	34	32	-	WSW	2	be	*	44	30	0.06	
Yarmouth ...	29.59	36	NNW	5	c	29.67	+ .62	31	30	-	WSW	4	ghs	*	39	28	0.17	
The Helder ...	*	*	*	*	*	29.65	+ .61	35	33	-	NNW	4	s	*	*	*	0.32	
Cape Gris Nez	29.63	39	N	6	be	29.81	+ .63	37	36	-	WSW	3	be	3	48	36	0.04	
Brest ...	29.90	50	N	3	be	30.06	+ .44	45	?	-	NW	2	be	3	?	36	0.04	
L'Orient ...	29.89	43	N	5	r	30.11	+ .38	41	37	-	NNW	3	be	2	52	?	0.04	
Rochefort ...	29.78	50	NW	6	o	30.07	+ .25	37	37	-	N	3	be	3	54	37	0.04	
Biarritz ...	29.94	55	N	5	p	30.07	+ .10	43	41	-	S	2	c	5	55	39	0.43	
Corunna ...	*	*	*	*	*									*	*	*	*	
Brussels ...	*	*	*	*	*	29.81	+ .61	33	*	-	SW	3	be	*	*	*	0.52	
Charleville ...	*	*	*	*	*	29.82	+ .48	32	*	-	WSW	1	os	*	*	*	*	
Paris ...	29.66	38	NW	5	r	29.95	+ .46	34	*	-	WSW	3	c	*	*	*	?	
Lyons ...	*	*	*	*	*	?	?	?	*	?	N	6	be	*	*	*	*	
Toulon ...	29.74	?	NW	3	c	29.82	+ .07	37	32	-	NW	6	be	6	37	?	-	

## YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.01	30	29	NW	7	s	4	Valencia .....	29.87	47	42	NNW	3	bc	3
Thurso .....	29.53	31	30	NW	6	spg	5	Seilly .....							
Scarborough ...	29.48	44	39	N	8	bc	7	London .....	29.32	41	37	NNW	5	spc	*
Greencastle ...	29.70	37	36	NW	2	osp	*	Rochefort ...	29.75	54	50	NW	8	o	3
Holyhead .....	29.68	41	37	NW	3	bc	3								

The barometer is rising briskly except in France. The wind is fresh from N. over these islands and blows a gale from NW. at Rochefort. Once lowered in the S. and SE.

## EXPLANATION OF COLUMNS.

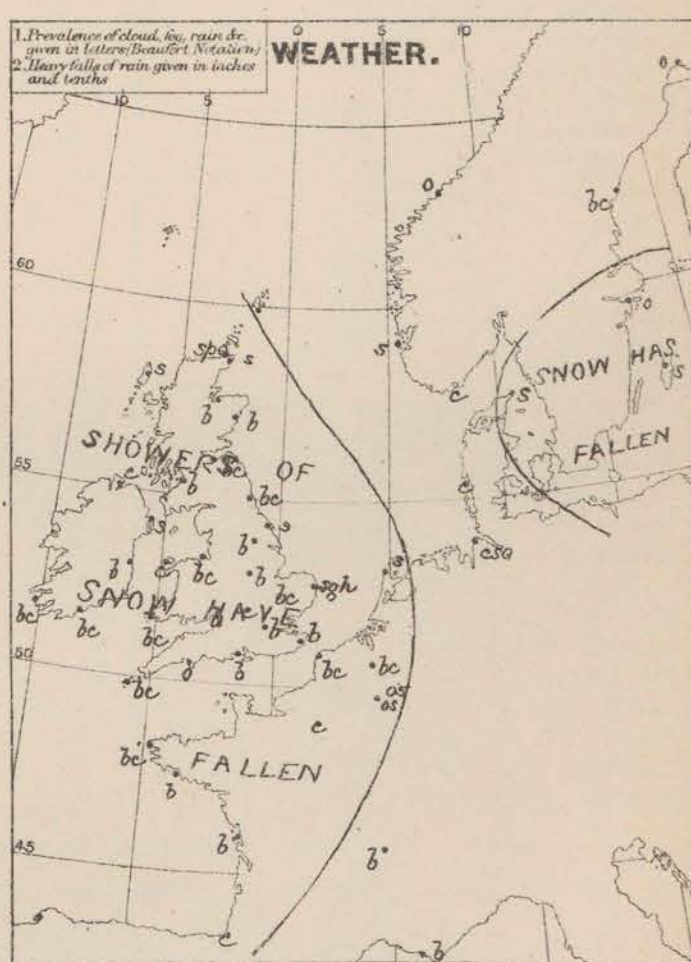
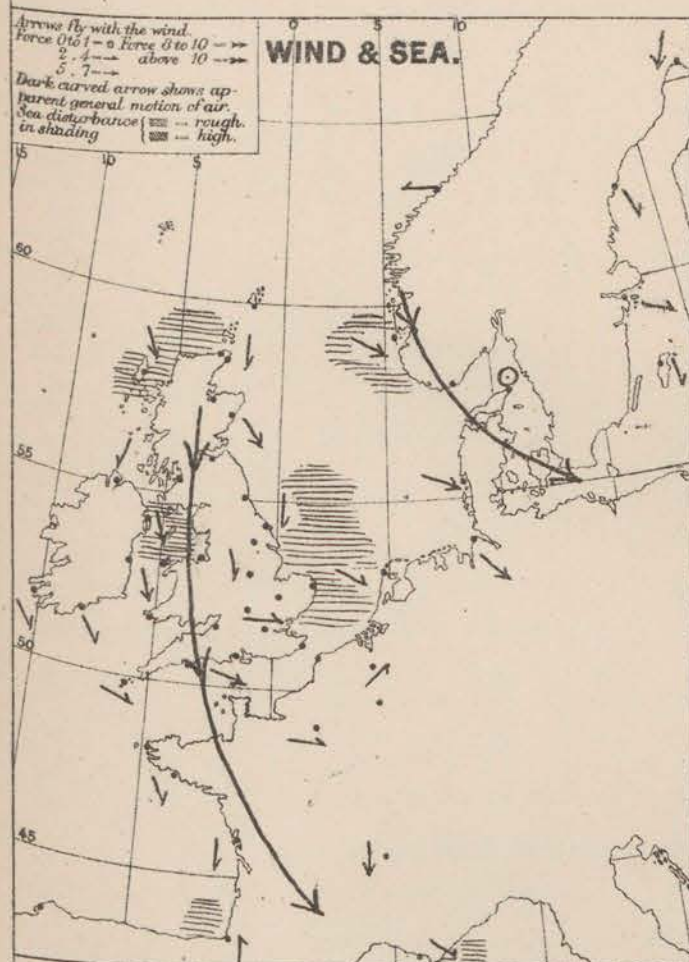
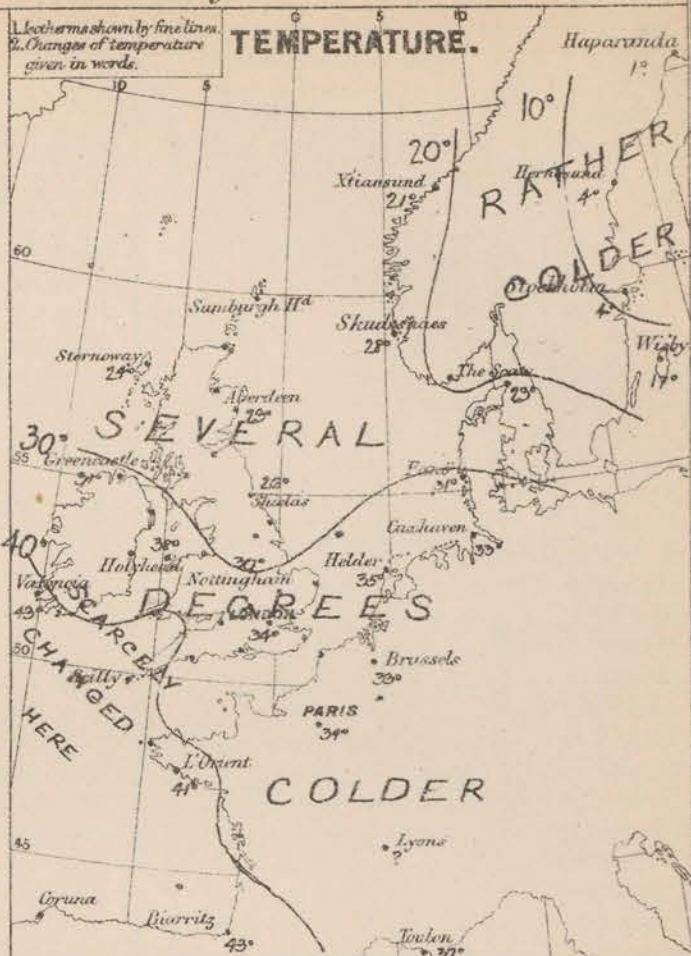
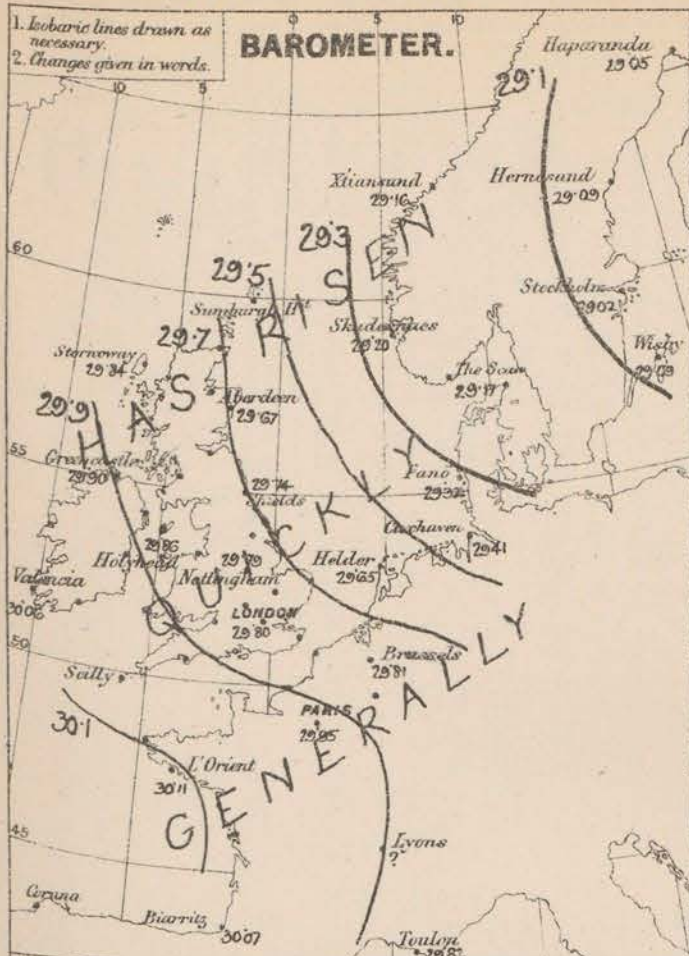
**WEATHER.**—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

† The evening observations are taken at 6 p.m. in our islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

# WEATHER CHARTS for 8 a.m. on Tuesday 27<sup>th</sup> FEB<sup>y</sup> 1877.



**REMARKS.** Since yesterday morning the barometer has risen in all parts of our area, the recovery being greatest at the Channel stations, while the depressions shown in yesterday's chart have travelled away E. W. Pressure continues highest in the south west, and the increase has become very much slighter on our east coasts during the past night. The wind has backed to WNW or W. in the south of England and north of France since last evening but on all other coasts N. to NW breezes moderate or fresh in force are reported. Temperature has fallen except in the south west, the change being as much as 10° over Scotland, the east of England, and France. At all the more northern stations several degrees of frost are reported, the lowest reading being 21° at Wick. In London the thermometer fell to 31° in the shade and 25° on the grass. The sky is clear or nearly so in most places but in the north of Scotland, the east of England, and the Netherlands snow is falling. The sea is rough. The warning signals were lowered in the south and south east yesterday.

Subscription for these Charts payable in advance to cover delivery. Delivery by hand 10/- per quarter, book post 5/- per quarter.

Meteorological Office,  
116, Victoria Street, Westminster. S.W.

R. H. SCOTT.  
Director.

# DAILY WEATHER REPORT FEB 28 1877.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 2.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	29.18	1	NE	6	b	29.23	+ .15	13	12	+ 12	N	4	o	*	*	*	-	
Hernösand ...	29.23	17	N	6	b	29.41	+ .32	11	9	+ 7	NNW	2	b	*	*	*	-	
Stockholm ...	?	4	NNW	2	bc	29.40	+ .38	13	13	+ 9	NNW	4	c	*	*	*	-	
Wisby ...	29.29	16	N	6	c	29.45	+ .36	17	15	o	NNW	6	o	*	*	*	0.012	
Christiansund ...	29.52	21	ESE	1	b	29.71	+ .53	21	19	o	NNW	6	c	5	23	14	-	
Skudesnaes ...	29.34	29	NNW	2	s	29.77	+ .57	23	22	- 5	ENE	2	o	2	?	?	-	
Oxö (Xtiansand) ...	29.40	22	NE	6	c	29.71	+ .56	18	15	+ 3	NW	4	b	2	27	12	-	
Skagen (The Sea) ...	29.39	21	ENE	4	o	29.63	+ .46	23	21	o	NE	5	bc	5	27	19	-	
Fanö ...	29.41	26	N	2	c	29.71	+ .39	19	19	- 12	N	1	b	*	32	16	0.12	
Cuxhaven ...	29.42	40	NW	7	c	29.59	+ .18	30	29	- 3	ENE	4	o	*	2	27	-	
Sumburgh Head ...																		
Stornoway ...	30.01	26	N	5	s	30.25	+ .41	25	24	+ 1	NNW	2	b	5	29	20	0.08	
Thurso ...	29.85	31	NW	6	o	30.17	+ .49	31	30	+ 6	NNW	5	c	6	32	23	0.13	
Wick ...	29.82	25	N	7	o	30.17	+ .47	28	27	+ 7	N	3	bc	2	29	19	0.18	
Nairn ...	29.95	25	NNW	6	c	30.26	+ .43	29	29	+ 5	NNW	3	c	2	29	19	-	
Aberdeen ...	29.79	26	NNW	7	o	30.12	+ .45	29	28	+ 6	NNW	4	o	4	30	23	0.04	
Leith ...	29.97	34	NNE	3	bc	30.23	+ .42	30	29	+ 3	NNW	3	b	*	40	26	-	
Shields ...	29.88	27	NNW	4	b	30.13	+ .39	29	29	+ 3	NNW	4	bc	6	31	24	-	
York ...	29.92	26	NNW	2	b	30.13	+ .39	27	27	+ 1	N	4	b	*	31	22	-	
Scarborough ...	29.85	28	NNW	5	bc	30.07	+ .37	30	?	+ 3	NNW	4	ps	5	30	25	0.03	
Nottingham ...	29.97	27	NW	2	b	30.23	+ .44	27	26	- 3	NNW	5	b	*	33	22	-	
Ardrossan ...	30.00	34	N	4	b	30.26	+ .42	28	?	o	NNW	1	b	1	34	26	-	
Greencastle ...	30.07	32	NNE	3	c	30.26	+ .36	32	31	+ 1	N	1	o	*	36	27	0.08	
Donaghadee ...	30.05	32	NNW	6	c	30.27	+ .40	35	35	+ 3	N	4	bc	3	35	30	0.16	
Kingstown ...	30.11	36	NNW	5	bc	30.33	+ .39	31	29	- 5	NNW	3	c	3	37	30	-	
Holyhead ...	30.03	35	NNW	7	c	30.25	+ .39	37	33	- 1	NNE	6	c	5	39	32	0.02	
Liverpool (Bidston) ...	29.99	32	NW	5	c	30.23	+ .41	32	30	- 2	NNW	3	b	3	35	30	-	
Valencia ...	30.15	42	NNE	1	b	30.25	+ .22	35	33	- 8	Z	o	b	2	49	31	-	
Roche's Point ...	30.16	39	NNE	2	bc	30.34	+ .32	32	30	- 6	NE	2	b	2	44	29	0.11	
Pembroke ...	30.09	37	N	5	c	30.32	+ .40	36	33	- 6	NNW	3	bc	2	42	33	-	
Portishead ...	30.02	32	NW	5	bc	30.23	+ .36	32	30	- 6	NNW	3	b	3	44	29	-	
Seilly ...																		
Plymouth ...	30.05	39	NW	3	b	30.27	+ .32	35	34	- 2	NW	2	c	*	49	33	-	
Hurst Castle ...	29.98	35	NE	2	b	30.22	+ .33	33	32	- 6	NW	3	b	2	44	27	-	
Dover ...	29.90	32	N	3	b	30.07	+ .26	27	26	- 7	NW	3	b	2	41	26	0.04	
London ...	29.46	33	N	4	b	30.16	+ .36	29	26	- 5	NNW	3	b	*	40	25	-	
Oxford ...	*	*	*	*	*	30.21	+ .39	28	27	- 6	N	2	b	*	38	25	-	
Cambridge ...	29.92	30	NW	3	b	30.14	+ .41	27	25	- 7	NW	3	b	*	39	24	0.01	
Yarmouth ...	29.82	27	NW	5	c	29.96	+ .29	29	29	- 2	NNW	5	c	5	36	25	0.07	
The Helder ...	*	*	*	*	*	29.72	+ .07	36	35	+ 1	NNW	6	c	*	*	*	0.47	
Cape Gris Nez ...	29.86	34	NNW	6	c	30.12	+ .31	28	28	- 9	NNW	4	b	4	43	28	-	
Brest ...	30.13	?	N	3	b	30.30	+ .24	37	36	- 8	NE	2	o	3	30	36	-	
L'Orient ...																		
Rocheport ...	30.05	32	NNW	4	bc	30.26	+ .19	37	36	o	?NNW	4	b	3	52	34	-	
Biarritz ...																		
Corunna ...	*	*	*	*	*			*							*	*	*	
Brussels ...	*	*	*	*	*	29.95	+ .44	30	*	- 3	NNW	3	bc	*	*	*	0.15	
Charleville ...	*	*	*	*	*	29.98	+ .16	27	*	- 5	SW	3	b	*	*	*	*	
Paris ...	29.88	35	NW	3	o	30.17	+ .22	30	*	- 4	NNW	2	b	*	*	*	0.04	
Lyons ...	*	*	*	*	*	?	?	?	*	?	N	2	o	*	*	*	*	
Toulon ...	29.89	41	NW	6	b	29.95	+ .13	36	32	- 1	NW	6	b	7	54	36	-	

## YESTERDAY'S 2 P.M. REPORTS AND REMARKS.

	Bar.	Dry.	Wet.	Wind.		Wca.	Sea.		Bar.	Dry.	Wet.	Wind.		Wca.	Sea.
Skudesnaes ...	29.28	28	28	Z	o	o	4	Valencia .....	30.10	45	42	NNW	3	bc	2
Thurso .....	29.77	29	28	NNW	6	c	6	Scilly .....							
Scarborough ...	29.30	29	?	NNW	5	osp	5	London .....	29.89	35	32	NW	4	spu	4
Greencastle ...	30.30	32	32	N	3	s	*	Rocheport ...	30.08	30	43	S	4	c	3
Holyhead .....	29.95	35	33	NNW	6	c	5								

*Breeze has risen everywhere since the morning, but has been steady since noon at Valencia. The wind is fresh from N. and the thermometer stands at 29° on our East coast.*

## EXPLANATION OF COLUMNS.

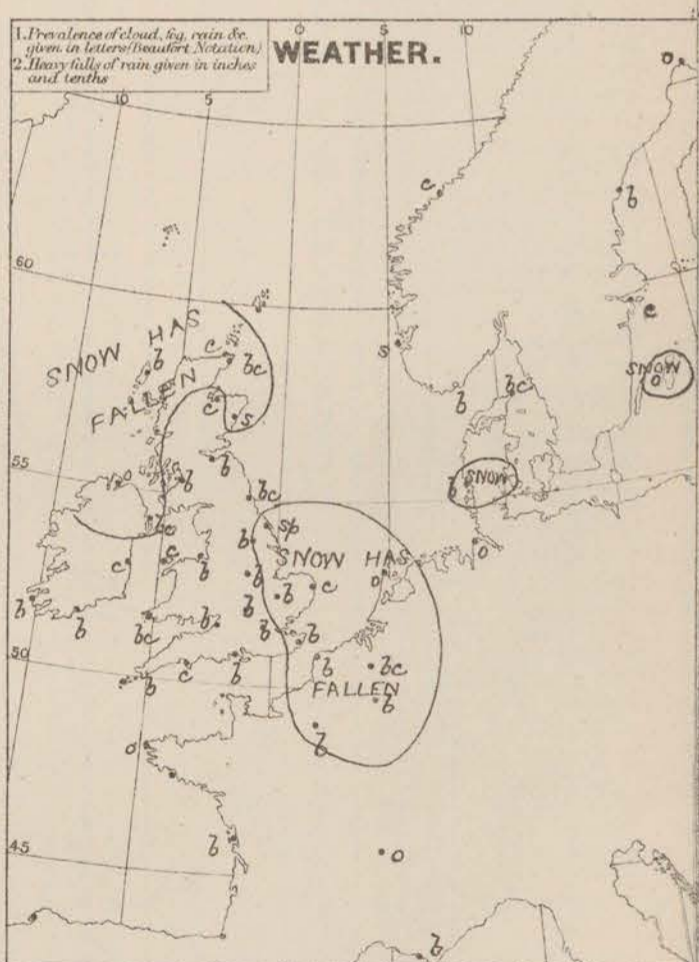
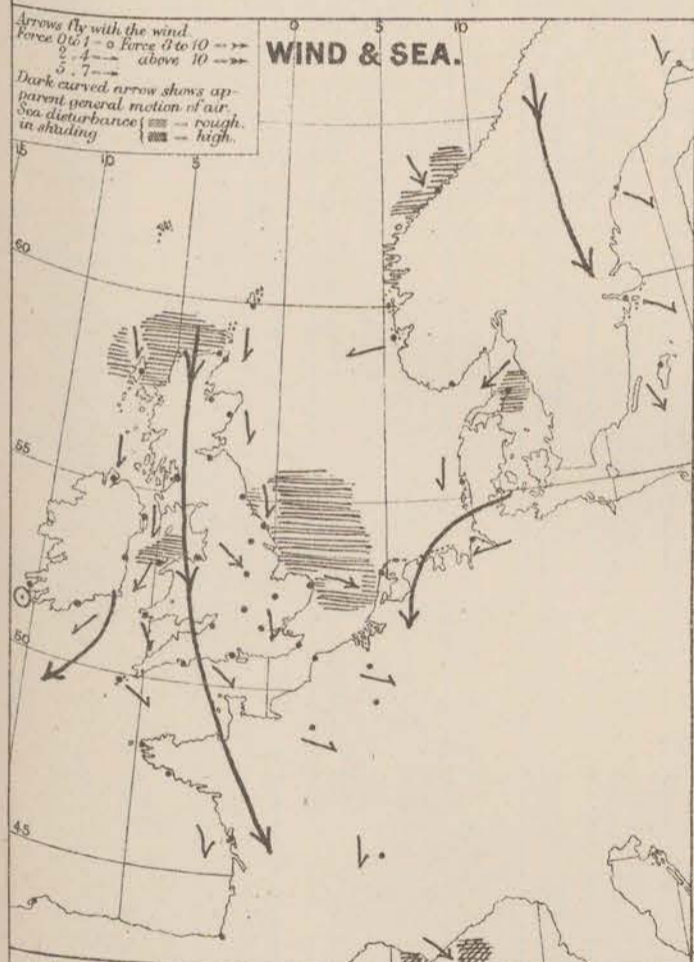
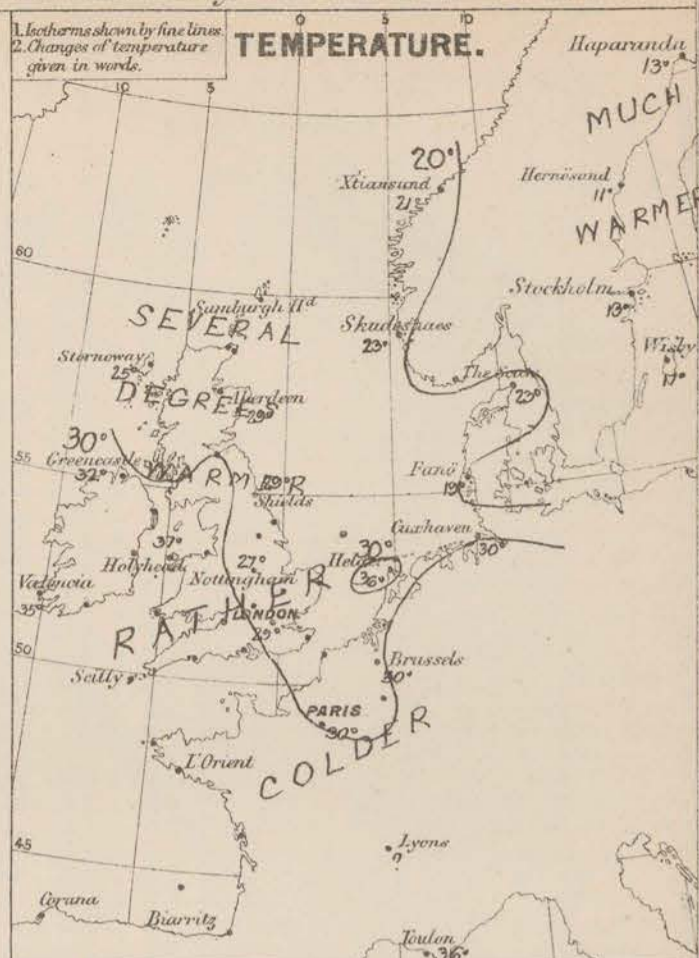
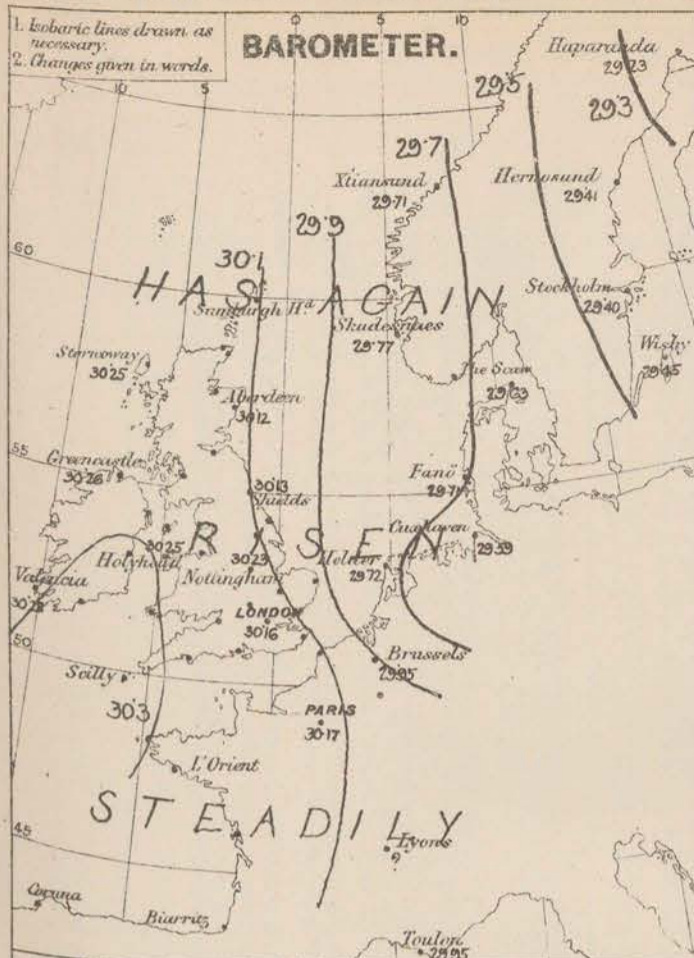
**WEATHER.**—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

N.B.—The wind is said to "veer" when its direction changes with the sun, and to "back" when it shifts in the opposite direction.

# WEATHER CHARTS for 8 a.m. on Wednesday 28<sup>th</sup> FEB<sup>y</sup> 1877.



CORRECTIONS AND ADDITIONS TO THE REPORTS FOR FEB<sup>y</sup> 1877

## 1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 8.)	SHADE TEMP.		Amount of Rainfall.	
				Dirco.	Force. (0 to 13).		Reading at 32° F. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Difference from 8 A.M. yesterday.	Dirco.	Force. (0 to 13).			Max.	Min.		
1 <sup>st</sup>	Cushaven.....	29.76	42	N N W	5	b	30.02	+67	35	34	-2	NW	1	b	*	?	?	-	
"	Sumburgh H <sup>d</sup> .....	29.79	36	S S E	2	b	29.67	-108	40	39	+3	SE	2	b	6	42	32	-	
"	Scilly.....	30.08	51	W	6	*	30.08	-110	50	50	+2	W	6	c	5	52	44	0.07	
"	Corunna.....	*	*	*	*	*	30.45	-107	49	*	-6	NW	3	c	5	*	*	*	
"	Scilly 2pm.....	-	-	-	-	-	30.11	-	53	52	-	WSW	5	c	5	-	-	-	
2 <sup>nd</sup>	Sumburgh H <sup>d</sup> .....	29.55	44	S	5	o	29.78	+111	40	39	-0	SE	2	c	6	47	39	0.16	
"	Scilly.....	30.11	51	WSW	6	o	30.02	-106	53	52	-3	SW	6	c	6	55	46	0.04	
"	d'Orient.....	30.25	50	NW	5	m	30.26	+05	48	48	0	SW	5	m	4	54	46	0.04	
"	Corunna.....	*	*	*	*	*	30.44	+01	54	*	+5	S	?	c	5	*	*	*	
"	Scilly 2pm.....	-	-	-	-	-	29.96	-	53	52	-	WSW	7	c	6	-	-	-	
3 <sup>rd</sup>	Sumburgh Head.....	29.17	44	SE	8	n	29.30	-18	37	35	-3	SW	6	c	6	46	38	0.11	
"	Scilly.....	30.10	50	W	7	c	30.25	+23	49	47	-4	SW	6	c	6	53	45	0.15	
"	d'Orient.....	30.27	52	WSW	5	n	30.42	+16	46	41	-2	WNW	4	c	4	54	45	-	
"	Corunna.....	*	*	*	*	*	30.55	+11	52	*	-2	W	0	c	5	*	*	*	
"	Scilly 2pm.....	-	-	-	-	-	30.21	-	51	47	-	WSW	5	c	6	-	-	-	
4 <sup>th</sup>	Sumburgh H <sup>d</sup> .....	29.26	37	SW	8	o	29.34	+04	37	33	0	WNW	8	c	6	41	34	0.43	
"	Scilly.....	30.18	50	WSW	6	c	30.23	+03	47	43	-2	WNW	7	c	4	52	44	0.15	
"	Corunna.....	*	*	*	*	*	30.63	+08	51	*	-1	NE	3	c	5	*	*	*	
5 <sup>th</sup>	Sumburgh H <sup>d</sup> .....	29.73	40	WSW	4	c	29.39	+05	43	42	+6	WNW	5	c	5	45	35	0.43	
"	Scilly.....	30.39	48	W	5	o	30.34	+06	50	49	+3	SW	5	c	5	50	45	0.02	
"	Corunna.....	*	*	*	*	*	30.46	-17	49	*	-2	NE	6	c	1	*	*	*	
"	Scilly 2pm.....	-	-	-	-	-	30.32	-	53	52	-	SW	4	c	5	-	-	-	
6 <sup>th</sup>	Haparanda.....	29.56	22	SE	4	o	29.41	-15	20	19	-5	SE	4	c	5	*	*	0.08	
"	Hermösand.....	29.42	28	SSE	6	s	29.43	-22	25	25	+2	WNW	2	b	*	*	*	0.04	
"	Stokholm.....	29.64	32	SSW	6	s	29.56	-13	32	30	0	NW	4	c	*	*	*	0.16	
"	Wistby.....	29.84	32	WSW	6	b	29.63	-32	35	33	?	NW	8	c	*	*	*	0.03	
"	Sumburgh H <sup>d</sup> .....	29.80	41	NNW	6	b	29.79	+40	42	39	-1	SSE	3	c	3	44	35	0.05	
"	Scilly.....	30.32	51	SSW	5	f	30.32	-02	52	52	+2	SW	4	c	4	55	48	0.05	
"	Corunna.....	*	*	*	*	*	30.51	+05	49	*	0	E	3	c	1	*	*	*	
"	Scilly 2pm.....	-	-	-	-	-	30.32	-	52	52	-	WSW	5	c	4	-	-	-	
7 <sup>th</sup>	Sumburgh H <sup>d</sup> .....	29.55	47	SW	5	o	29.55	-24	44	42	+2	WSW	5	c	4	47	39	0.35	
"	Scilly.....	30.30	51	WSW	5	o	30.29	-03	52	51	0	WSW	5	c	4	54	46	-	
"	d'Orient.....	30.46	52	SW	3	o	30.47	-02	52	52	+4	W	3	m	3	54	46	-	
"	Scilly 2pm.....	-	-	-	-	-	30.30	-	54	52	-	WSW	6	c	5	-	-	-	
8 <sup>th</sup>	Sumburgh H <sup>d</sup> .....	29.59	39	W	3	c	29.53	-02	38	37	-6	SW	3	b	3	45	35	0.21	
"	Scilly.....	30.29	52	WSW	6	o	30.29	00	49	48	-3	SSW	1	c	3	55	47	0.02	
"	Scilly 2pm.....	-	-	-	-	-	30.23	-	53	53	-	WSW	6	c	4	-	-	-	
9 <sup>th</sup>	Sumburgh H <sup>d</sup> .....	29.44	38	NNW	8	o	29.56	+03	36	34	-2	NW	4	c	5	42	33	0.30	
"	Scilly.....	30.21	52	W	6	f	30.24	-05	51	50	+2	W	6	c	5	53	48	0.09	
"	Scilly 2pm.....	-	-	-	-	-	30.24	-	52	52	-	W	6	c	5	-	-	-	
10 <sup>th</sup>	Sumburgh H <sup>d</sup> .....	29.65	33	N	1	b	29.65	+09	32	32	-4	NE	5	c	3	40	31	0.10	
"	Scilly.....	30.23	51	W	6	o	30.13	-11	52	51	+1	W	5	c	4	53	49	0.02	
"	Corunna.....	*	*	*	*	*	30.45	?	43	*	?	N	3	c	5	*	*	*	
"	Scilly 2pm.....	-	-	-	-	-	30.13	-	53	51	-	WSW	5	c	5	-	-	-	
11 <sup>th</sup>	Sumburgh H <sup>d</sup> .....	29.79	31	NE	1	c	29.56	-09	33	32	+1	NE	2	c	2	34	29	0.05	
"	Scilly.....	30.13	51	WSW	6	o	30.03	-10	51	50	-1	W	5	c	4	54	48	0.05	
12 <sup>th</sup>	Sumburgh H <sup>d</sup> .....	29.68	33	N	3	c	29.64	+08	36	32	+3	SE	6	b	5	36	29	-	
"	Thurso.....	29.74	36	NE	4	c	29.49	+07	35	33	+1	SE	5	c	3	38	28	0.14	
"	Wick.....	29.75	33	NW	3	b	29.49	+09	37	34	+2	SE	7	c	4	37	24	-	
"	Scilly.....	30.09	51	W	5	o	29.87	-16	52	52	+1	SW	6	c	6	52	49	0.09	
"	Scilly 2pm.....	-	-	-	-	-	29.91	-	53	51	-	W	6	c	6	-	-	-	
13 <sup>th</sup>	Sumburgh H <sup>d</sup> .....	29.44	45	SE	7	n	29.39	-25	38	36	+2	SE	3	c	5	38	32	0.08	
"	Scilly.....	29.92	51	WSW	6	o	29.90	+03	53	53	+1	W	6	c	5	53	50	0.13	
"	d'Orient.....	30.09	52	WNW	4	m	30.11	-01	52	52	0	W	5	m	5	54	48	0.32	
"	Corunna.....	*	*	*	*	*	30.52	?	53	*	?	S	3	c	1	*	*	*	
"	Scilly 2pm.....	-	-	-	-	-	29.98	-	53	52	-	W	6	c	6	-	-	-	
14 <sup>th</sup>	Sumburgh H <sup>d</sup> .....	29.48	40	SSE	2	n	29.61	+22	36	34	-2	W	1	b	1	42	35	0.10	
"	Scilly.....	30.00	53	W	6	o	30.07	+17	52	51	-1	SW	5	c	4	53	50	0.01	
"	d'Orient.....	30.19	52	WNW	5	m	30.23	+12	52	53	0	W	3	m	4	55	48	-	
"	Corunna.....	*	*	*	*	*	30.33	-19	52	*	-1	S	3	c	1	*	*	*	
"	Scilly 2pm.....	-	-	-	-	-	30.07	-	55	54	-	SSW	6	c	5	-	-	-	
15 <sup>th</sup>	Sumburgh H <sup>d</sup> .....	29.46	43	SW	3	n	29.35	-16	45	43	+9	SSW	4	c	3	46	34	0.06	
"	Scilly.....	30.04	52	SSW	5	o	29.86	-21	51	50	-1	SSW	6	c	5	56	50	-	
"	Corunna.....	*	*	*	*	*	30.10	-23	54	*	+2	SW	3	c	1	*	*	*	
"	Scilly 2pm.....	-	-	-	-	-	29.76	-	54	53	-	SSW	6	c	5	-	-	-	
16 <sup>th</sup>	Sumburgh H <sup>d</sup> .....	29.20	43	W	1	n	29.11	-24	36	36	-9	SE	3	n	3	46	35	0.12	
"	Scilly.....	29.73	52	SW	6	o	29.95	+09	47	44	-4	WNW	6	c	4	55	44	0.04	
"	Corunna.....	*	*	*	*	*	30.13	+03	53	*	-1	NE	3	c	1	*	*	*	
"	Scilly 2pm.....	-	-	-	-	-	29.99	-	49	44	-	WNW	6	c	4	-	-	-	
17 <sup>th</sup>	Sumburgh H <sup>d</sup> .....	29.31	40	NNW	3	c	29.69	+58	40	38	+4	NNW	3	b	2	44	35	0.40	
"	Scilly.....	30.03	48	WNW	6	o	30.16	+21	50	46	+3	NW	6	c	5	50	40	0.10	
"	Corunna.....	*	*	*	*	*	30.35	+22	51	*	-2	NE	6	c	4	*	*	*	
"	Scilly 2pm.....	-	-	-	-	-	30.21	-	50	48	-	WNW	5	c	4	-	-	-	
18 <sup>th</sup>	Sumburgh H <sup>d</sup> .....	29.79	42	NNW	1	o	29.76	+07	42	40	+2	NNW	1	c	1	45	38	0.06	
"	Scilly.....	30.21	49	WNW	4	o	30.16	00	50	49	0	WSW	5	c	4	50	46	0.06	
19 <sup>th</sup>	Sumburgh Head.....	29.67	39	W	4	b	29.49	-27	36	35	-6	W	0	c	2	46	35	0.16	
"	Scilly.....	30.06	49	NNW	6	n	30.08	-08	45	42	-5	WNW	6	c	5	52	42	-	
"	Corunna.....	*	*	*	*	*	30.40	+05	50	*	+5	NE	?	c	7	*	*	*	
"	Scilly 2pm.....	-	-	-	-	-	30.03	-	48	43	-	W	6	c	5	-	-	-	
20 <sup>th</sup>	Sumburgh Head.....	29.20	36	WSW	1	b	29.17	-32	35	34	-1	N	2	c	2	40	31	0.14	
"	Scilly.....	29.94	47	W	7	o	29.78	-30	43	43	+3	NW	11	c	7	51	42	0.10	
"	Scilly 2pm.....	-	-	-	-	-	29.78	-	49	43	-	NW	10	c	7	-	-	-	
21 <sup>st</sup>	Sumburgh H <sup>d</sup> .....	29.37	38	NNE	2	b	29.79	+62	35	33	0	NNE	4	c	3	42	33	0.04	
"	Scilly.....	29.80	43	NW	10	o	30.04	+26	45	43	-3	NNW	9	c	6	49	41	-	

## 1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY. (continued).

DATE.	STATIONS.	↑ YESTERDAY EVENING.					8 A.M. TO DAY								PAST 24 HOURS.			
		Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.		WIND.		Weather.	Sea. (0 to 2).	SHADE TEMP.		Amount of Rainfall.	
				Dirco.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirco.			Force. (0 to 12).	Max.		Min.
21 <sup>st</sup>	Corunna	*	*	*	*	*	20.34	?	52	*	?	NE	0	C	1	*	*	*
22 <sup>nd</sup>	Silly 2pm	29.50	4	2	0	5	30.07	+	49	43	-	NE	0	C	1	*	*	*
	Hoparunda	29.52	14	2	0	5	29.52	+	1	12	-16	SE	0	C	1	*	*	*
	Harnsund	29.63	24	NE	2	5	29.74	+	29	12	+4	SE	0	C	1	*	*	*
	Stockholm	29.61	33	SE	4	5	29.73	+	53	17	-8	N	0	C	1	*	*	0.08
	Nisby	29.76	27	N	5	3	29.68	+	12	33	+2	SE	0	C	1	*	*	*
	Christiansund	29.76	27	N	5	3	29.73	+	15	27	-5	SE	0	C	1	32	23	0.12
	Skudsmass	29.79	27	N	4	5	29.79	+	18	27	+2	N	2	C	2	30	25	*
	Os	29.69	28	NW	4	5	29.78	+	22	21	-1	NE	2	C	2	32	0	*
	Skagen	29.61	31	NE	2	5	29.78	+	27	28	-4	NE	3	C	2	32	25	*
	Tans	29.53	31	WSW	6	5	29.78	+	35	30	-3	N	1	C	2	46	28	*
	Sumburgh H.	29.99	33	NNE	3	5	29.61	-18	40	39	+5	N	4	C	3	40	29	0.18
	Silly	30.08	45	N	6	0	30.19	+	15	43	-2	N	6	C	4	46	39	0.06
	Corunna	*	*	*	*	*	30.17	-17	48	*	-4	NE	6	C	4	*	*	*
	Loulon	29.47	41	NW	6	0	29.57	+	14	37	0	NW	6	C	5	45	34	*
23 <sup>rd</sup>	Silly 2pm	29.68	40	NNE	3	5	30.18	+	44	42	-	NE	4	C	4	-	-	-
	Sumburgh H.	29.68	40	NNE	3	5	29.89	+	28	34	-6	NNE	2	C	2	44	32	0.06
	Silly	30.09	46	WNW	6	0	30.04	-15	46	45	+3	NNE	6	C	6	48	41	0.01
	Corunna	*	*	*	*	*	30.14	-03	50	*	+2	?	0	C	7	*	*	*
24 <sup>th</sup>	Silly 2pm	29.51	35	SE	2	5	30.13	-13	46	45	-	NNE	7	C	5	-	-	-
	Sumburgh H.	29.13	48	NNE	4	0	29.11	-78	43	40	+9	WNW	6	C	4	45	32	0.33
25 <sup>th</sup>	Silly	28.95	36	N	4	0	30.00	-04	48	48	+2	WNW	6	C	4	48	44	0.02
	Sumburgh H.	28.95	36	N	4	0	28.77	-34	33	32	-10	NNE	5	C	3	43	32	0.18
26 <sup>th</sup>	Silly	28.88	50	WNW	7	0	29.80	-20	50	50	+2	N	7	C	5	51	47	0.01
	Sumburgh H.	28.95	33	WNW	4	0	29.24	-47	29	26	-4	NNE	6	C	4	37	27	0.01
	Silly	29.75	50	WNW	8	0	29.55	-25	47	46	-3	WNW	9	C	6	51	46	0.02
	Corunna	*	*	*	*	*	30.25	-07	51	*	+1	?	3	C	1	*	*	*
27 <sup>th</sup>	Silly 2pm	29.40	22	N	1	5	29.78	+	46	44	-	NW	7	C	6	-	-	-
	Sumburgh H.	29.88	45	N	5	0	29.49	+	25	21	-8	N	7	C	5	30	18	0.01
	Silly	29.88	45	N	5	0	30.02	+	44	44	-3	WNW	7	C	4	47	41	0.04
	Corunna	*	*	*	*	*	30.29	+	51	*	0	NE	6	C	7	*	*	*
28 <sup>th</sup>	Silly 2pm	29.59	31	N	3	5	30.07	+	44	43	-	NW	6	C	7	-	-	-
	Sumburgh H.	29.10	44	N	6	0	30.05	+	25	23	+4	N	4	C	3	31	20	0.08
	Silly	30.10	44	N	6	0	30.29	+	41	39	-3	NNE	4	C	4	47	39	0.01
	Corunna	*	*	*	*	*	30.33	+	48	*	-3	N	7	C	1	*	*	*
	Silly 2pm	-	-	-	-	-	30.31	-	52	51	-	SSW	6	C	4	-	-	-
(2) CORRECTIONS																		
1 <sup>st</sup>	Greencastle	-	-	2	0	-	-	-	-	-	-	-	-	-	-	48	-	-
2 <sup>nd</sup>	London	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3 <sup>rd</sup>	Brest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48	?	45
4 <sup>th</sup>	Plymouth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01
5 <sup>th</sup>	Cambridge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33	-	-
6 <sup>th</sup>	Shields	30.05	48	WNW	4	6	0	-	-	-	-	-	-	-	-	-	-	0.12
7 <sup>th</sup>	Portsmouth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8 <sup>th</sup>	Liverpool	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48	-	-
9 <sup>th</sup>	Greencastle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39	-	-
10 <sup>th</sup>	Thurso	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44	-	-
11 <sup>th</sup>	Rochester Point	29.64	-	-	-	-	-	-	-	-	-	-	-	-	-	42	-	-
12 <sup>th</sup>	Leith	-	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13 <sup>th</sup>	Scarborough	-	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.56
14 <sup>th</sup>	Aberdeen	29.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15 <sup>th</sup>	Shields	-	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16 <sup>th</sup>	Aberdeen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17 <sup>th</sup>	Greencastle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18 <sup>th</sup>	Kingstown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	-	-
19 <sup>th</sup>	Cambridge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45
20 <sup>th</sup>	Shields	-	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21 <sup>st</sup>	Kingstown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22 <sup>nd</sup>	Dover	29.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23 <sup>rd</sup>	Aberdeen	29.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24 <sup>th</sup>	Scarborough	-	51	-	-	-	-	-	-	-	-	-	-	-	-	53	-	-
25 <sup>th</sup>	Leith	29.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26 <sup>th</sup>	Stornoway	-	-	-	-	-	-	-	-	39	-	-	-	-	-	-	-	-
27 <sup>th</sup>	Bonahead	29.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28 <sup>th</sup>	Dover	29.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29 <sup>th</sup>	Leith	29.41	-	-	-	-	-	-	-	40	-	-	-	-	-	-	-	-
30 <sup>th</sup>	York	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31 <sup>st</sup>	Holyhead	-	45	-	-	-	-	-	-	-	-	-	-	-	-	29	-	-
1 <sup>st</sup>	Rimrose	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.04
2 <sup>nd</sup>	Naim	29.75	-	-	-	-	-	-	-	29.40	-62	-	-	-	-	-	-	-
3 <sup>rd</sup>	Leith	-	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4 <sup>th</sup>	Nottingham	-	-	-	-	-	-	-	-	-	-	-	-	-	-	?	49	-
5 <sup>th</sup>	Valencia	-	-	-	-	-	-	-	-	30.04	-	-	-	-	-	-	-	-
6 <sup>th</sup>	Naim	-	-	-	-	-	-	-	-	-	-42	-	-	-	-	-	-	0.07
7 <sup>th</sup>	Stornoway	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8 <sup>th</sup>	Byron	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9 <sup>th</sup>	Rochester Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47	-	-
10 <sup>th</sup>	Oxford	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42	-	-