

METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1ST JANUARY — 30TH JUNE,

1878.

DAILY WEATHER REPORT JANUARY 1st 1878.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 830 P. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dirce.	Force. (0 to 12).		Reading at 830 P. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirce.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	30.13	31	S	6	o	30.16	+ .03	32	32	+ 11	SW	4	o	*	32	21	0.08	
Hernösand ...	30.20	35	SSW	4	o	30.30	+ .19	32	32	+ 5	SSW	2	S	*	*	*	2	
Stockholm ...	30.16	30	SSE	4	o	30.30	+ .28	30	29	+ 2	S	2	bc	*	*	*	2	
Wisby ...	30.12	28	SE	8	o	30.25	+ .24	28	26	- 2	S	4	o	*	*	*	1	
Christiansund ...																		
Skudesnaes ...	29.97	36	NNE	2	o	30.14	+ .50	36	36	+ 1	E	2	c	2	36	34	-	
Oxö (Klansand) ...	29.92	35	NE	6	S	30.14	+ .47	36	34	- 4	NE	4	o	3	41	34	1.06	
Skagen (The Seaw) ...	29.93	37	SE	5	T	30.13	+ .34	35	35	- 2	ESE	3	T	3	39	30	0.63	
Fanö ...	29.77	37	N	1	o	30.03	+ .48	36	36	- 1	N	2	o	*	37	36	0.35	
Cuxhaven ...	29.53	2	SSE	3	c	29.99	+ .43	38	38	- 4	N	4	o	*	43	36	0.05	
Sumburgh Head ...	29.93	44	NNW	3	o	29.95	+ .25	45	44	+ 3	SSW	3	T	4	45	38	0.01	
Stornoway ...	29.96	48	SW	1	o	29.90	+ .06	44	43	+ 8	SW	3	pu	4	44	35	0.05	
Thurso ...	29.97	38	SW	1	o	29.96	+ .16	40	39	+ 3	SSW	2	c	3	42	35	-	
Wick ...	29.99	39	N	2	bc	29.97	+ .15	42	41	+ 7	SSW	2	o	1	43	33	-	
Nairn ...	30.02	40	Z	0	o	30.00	+ .17	43	42	+ 7	Z	0	o	0	43	35	-	
Aberdeen ...	30.08	35	NW	1	o	30.05	+ .23	40	38	+ 2	SW	1	o	0	42	32	-	
Leith ...	30.13	43	N	2	c	30.13	+ .21	39	38	+ 2	SW	1	o	*	44	36	-	
Shields ...	30.18	40	N	3	o	30.21	+ .30	36	35	- 1	N	1	bc	3	43	34	-	
Scarborough ...	30.17	40	NW	3	o	30.23	+ .27	35	35	- 3	NW	1	c	2	43	35	-	
York ...	30.22	38	NW	1	o	30.26	+ .30	34	34	- 4	SSE	1	f	*	44	33	-	
Nottingham ...	30.29	39	NW	1	o	30.31	+ .30	33	33	- 6	Z	0	c	*	45	31	-	
Ardrossan ...	30.17	46	NW	2	o	30.12	+ .15	44	42	+ 1	SSW	3	o	3	47	42	0.01	
Greencastle ...	30.14	41	N	2	o	30.06	+ .06	41	40	+ 3	SW	2	o	*	44	36	-	
Donaghadee ...	30.23	38	NW	2	o	30.15	+ .10	38	38	+ 4	N	3	c	2	41	34	-	
Kingstown ...	30.26	44	N	3	o	30.18	+ .05	43	42	+ 4	SE	3	c	3	45	38	-	
Holyhead ...	30.26	44	N	1	bc	30.21	+ .12	44	44	+ 1	SSW	2	T	1	46	43	0.02	
Liverpool (Bidston) ...	30.27	40	N	2	o	30.24	+ .20	39	38	- 2	S	2	o	1	44	39	-	
Valencia ...	30.28	47	SSW	2	c	29.97	- .26	49	47	+ 7	SE	2	pu	6	50	42	0.06	
Roche's Point ...	30.29	46	N	3	o	30.10	- .10	47	46	+ 7	SSW	5	o	4	48	40	0.12	
Pembroke ...	30.31	47	N	2	bc	30.21	+ .05	46	44	+ 1	S	3	ome	3	48	44	0.01	
Portlhead ...	30.30	40	N	3	bc	30.29	+ .20	37	37	- 5	NW	1	bc	2	47	35	0.01	
Scilly ...																		
Plymouth ...	30.38	42	NW	1	o	30.30	+ .14	42	42	+ 1	SW	3	o	*	49	36	0.04	
Hurst Castle ...	30.33	43	NW	2	o	30.31	+ .28	45	44	+ 3	SSE	1	o	1	47	33	0.06	
Dover ...	30.26	41	NW	4	o	30.25	+ .43	39	38	- 3	NE	1	bc	1	44	36	-	
London ...	30.32	43	NNW	2	o	30.35	+ .36	31	31	- 9	NW	1	bc	*	46	31	-	
Oxford ...						30.34	+ .32	36	35	- 4	Z	0	f	*	45	34	-	
Cambridge ...	30.23	39	NW	1	o	30.33	+ .39	31	31	- 8	SW	1	o	*	46	30	-	
Yarmouth ...	30.17	40	NNW	5	o	30.29	+ .53	33	32	- 8	NNW	2	f	3	42	32	-	
The Helder ...						30.20	+ .84	43	42	- 1	NNW	3	bc	*	*	*	0.28	
Cape Gris Nez ...	30.27	?	NW	6	o	30.34	+ .42	41	41	- 4	N	1	o	0	46	41	-	
Jersey ...	30.44	45	NW	2	o	30.40	+ .23	46	44	o	S	2	c	2	49	42	-	
Brest ...	30.46	52	NNE	2	o	30.34	+ .10	48	45	- 2	S	4	o	4	52	43	-	
L'Orient ...	30.46	48	NW	3	o	30.38	+ .11	45	45	- 1	S	3	m	4	52	39	-	
Rochefort ...																		
Biarritz ...	30.58	55	ENE	3	o	30.58	+ .14	36	34	- 18	ENE	3	m	3	55	32	-	
Corunna ...																		
Brussels ...						30.34	+ .56	44	44	+ 1	NNW	2	o	*	*	*	-	
Charleville ...						30.33	+ .52	35	*	- 8	N	1	?	*	*	*	-	
Paris ...	30.35	42	NW	3	o	30.41	+ .39	34	33	- 11	N	1	c	*	*	*	-	
Lyons ...						?	?	43	*	- 9	NW	4	o	*	*	*	-	
Toulon ...	30.06	45	NW	5	bc	30.12	+ .05	43	36	- 3	SW	5	o	5	50	?	0.12	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.88	36	35	NNE	2	1	3	Valencia	30.29	49	45	NNE	4	6	3
Thurso	29.93	40	39	SW	1	bc	3	Scilly							
Scarborough ...	30.08	42	38	NNW	3	o	4	London	30.21	45	42	NW	3	6	*
Greencastle ...	30.08	42	40	N	2	o	*	Rochefort ...	30.37	52	48	NW	4	6	3
Holyhead	30.23	45	42	NNW	4	o	3								

The barometer has ceased rising at Valencia since noon, but in other parts of the Kingdom the rise continues - especially on our SE. coast. The wind is backing slowly in the N. and NW. but the weather is fair at present except at Stornoway, where it has become overcast.

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.

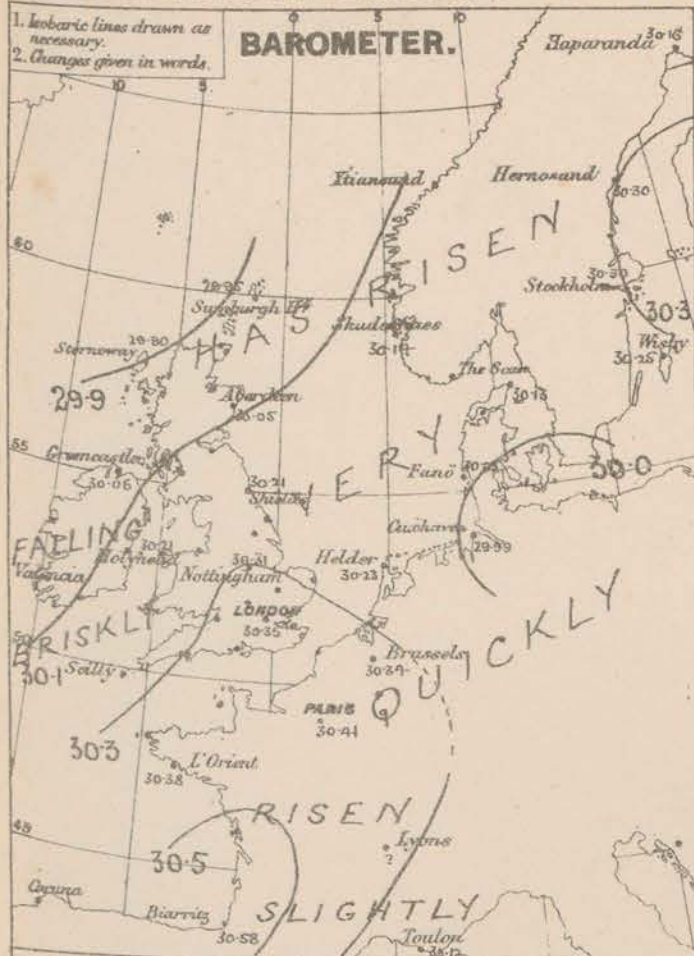
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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

WEATHER CHARTS for 8 a.m. on Tuesday Jan^y 1st 1878.

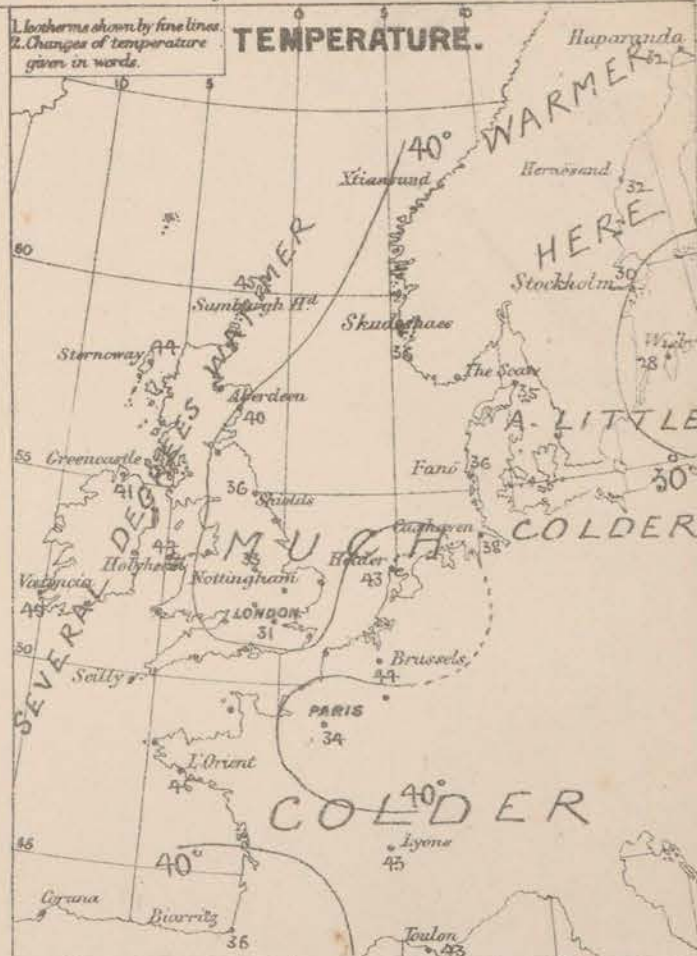
1. Isobaric lines drawn as necessary.
2. Changes given in words.

BAROMETER.



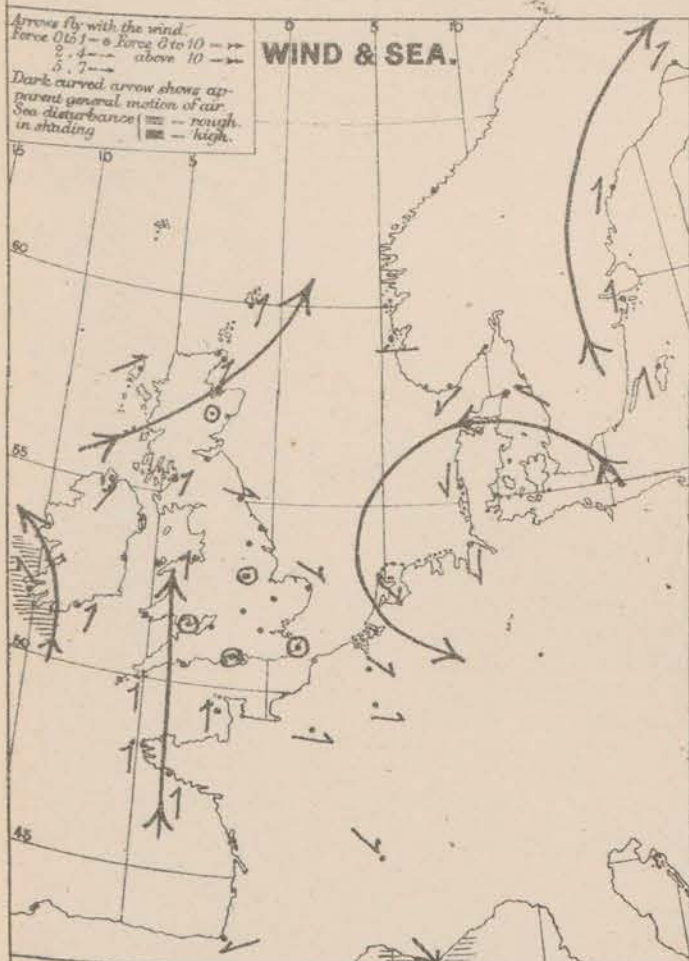
1. Isotherms shown by fine lines.
2. Changes of temperature given in words.

TEMPERATURE.



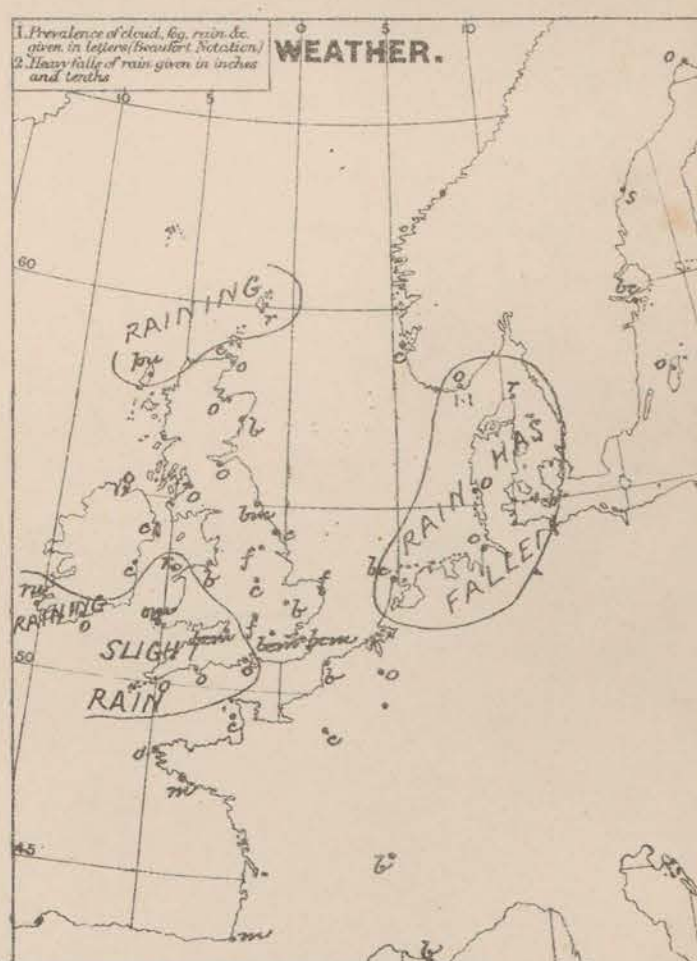
1. Force 0 to 10.
 2. Force 10 to 20.
 3. Force 20 to 30.
 4. Force 30 to 40.
 5. Force 40 to 50.
 6. Force 50 to 60.
 7. Force 60 to 70.
 8. Force 70 to 80.
 9. Force 80 to 90.
 10. Force 90 to 100.
- Dark curved arrow shows apparent general motion of air.
Sea disturbance: - rough, - high.

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 Weather remains fine in the E and SE, but is rather more cloudy and hazy than it was yesterday. In the W and NW it has again become dull, wet and threatening. Throughout yesterday it was dry and fine all over our islands, but large quantities of snow and cold rain fell on the E shores of the North Sea. Temperature is low over England this morning, the readings in London being 31° in the shade, and 22° on the grass. Over our W and N coasts, however, it has risen and is 44° at Valentia and 40° to 44° over Scotland. Winds is light to moderate from N in Denmark and N Germany, light W in England, NW in Scotland, S to SE (and freshening) in Ireland, St. George's Channel and the NW of France. Sea is rough off the SW of Ireland, moderate to smooth elsewhere.

Barometrical Indications. The depression reported yesterday has reached the Baltic, and still travels in an E direction, but the observations of this morning show that apparently two new ones are approaching us from the Atlantic, one being near the Azores, and the other some little distance to the W of Valentia.

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

R. H. SCOTT,
Secretary.

DAILY WEATHER REPORT JANUARY 2ND 1878.

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 ...														*	*	*		
Wiesby ...														*	*	*		
Christiansund ...	29.57	41	SE	2	o	29.72		39	36		NW	6	c	4	41	?	0.47	
Skudesnaes ...	30.01	39	SSE	6	r	29.98	-.16	39	37	+ 3	NW	2	c	3	39	26	0.20	
Oxö (Xtiansand) ...	30.14	35	NE	4	r	29.96	-.18	39	38	+ 3	S	4	c	3	?	32	0.12	
Skagen (The Seaw) ...	30.17	35	SSE	4	r	30.04	-.09	35	35	0	SW	3	c	2	37	32	0.08	
Fanö ...	30.14	37	SW	1	m	30.09	+ .06	40	40	+ 4	SW	2	r	*	?	36	0.08	
Cuxhaven ...	30.16	42	NNW	2	f	30.20	+ .21	49	49	+ 11	NW	2	o	*	?	36	-	
Sumburgh Head ...	29.72	45	SSW	6	r	30.00	+ .05	40	38	- 5	NW	3	c	5	45	38	0.15	
Stornoway ...	29.77	41	NW	4	cp	30.11	+ .21	34	33	- 10	N	1	δ	3	45	30	0.46	
Thurso ...	29.76	42	SSW	3	bc	30.09	+ .13	36	35	- 4	SSW	1	o	3	42	34	0.18	
Wick ...	29.79	39	N	4	bc	30.09	+ .12	38	36	- 4	N	4	c	2	44	34	0.05	
Nairn ...	29.83	43	N	2	δ	30.13	+ .13	37	36	- 6	N	1	c	1	44	35	0.11	
Aberdeen ...	29.91	40	SSW	3	o	30.16	+ .11	38	34	- 2	NW	1	δ	1	42	37	-	
Leith ...	29.95	44	SW	2	o	30.25	+ .12	39	38	0	SW	1	δ	*	?	38	0.01	
Shields ...	30.10	40	S	4	fm	30.29	+ .08	40	37	+ 7	NW	1	δ	2	45	35	0.02	
Scarborough ...	30.13	39	SSW	2	o	30.28	+ .05	42	40	- 7	NW	1	δ	2	44	35	-	
York ...	30.15	38	S	1	o	30.31	+ .05	40	39	+ 6	NW	1	δ	*	44	33	-	
Nottingham ...	30.22	41	S	2	r	30.35	+ .04	43	43	+ 10	Z	0	δ	*	43	43	0.01	
Ardrossan ...	30.02	46	SSW	2	o	30.26	+ .14	36	34	- 8	ENE	1	δ	0	49	36	0.04	
Greencastle ...	29.99	43	N	2	δ	30.25	+ .19	33	33	- 8	S	1	δ	*	43	32	0.09	
Donaghadee ...	30.08	41	SW	2	c	30.29	+ .14	36	36	- 2	N	3	δ	2	44	36	0.15	
Kingstown ...	30.08	48	NE	2	o	30.32	+ .14	45	44	+ 2	NW	1	δ	1	48	42	0.03	
Holyhead ...	30.11	46	SSW	4	m	30.31	+ .10	45	44	+ 1	NNW	1	δ	0	49	43	0.19	
Liverpool (Bidston) ...	30.15	42	SSE	2	o	30.32	+ .08	43	43	+ 4	N	1	o	1	46	38	0.08	
Valencia ...	30.06	51	Z	0	ty	30.27	+ .30	37	30	+ 2	Z	0	cr	1	52	47	0.70	
Roche's Point... ..	30.07	49	SSE	4	r	30.31	+ .21	49	49	+ 2	SE	4	fm	4	50	43	0.32	
Pembroke ...	30.15	49	S	3	o	30.30	+ .09	30	30	+ 4	SW	1	δ	3	50	46	0.06	
Portishead ...	30.21	44	SW	3	o	30.33	+ .04	48	48	+ 11	SW	2	o	3	49	35	-	
Seilly ...																		
Plymouth ...	30.21	48	S	4	o	30.35	+ .05	47	46	+ 5	Z	0	o	*	50	42	0.31	
Hurst Castle ...	30.29	44	SSW	4	o	30.36	+ .05	47	?	+ 2	NW	3	o	4	?	?	-	
Dover ...	30.31	41	N	2	δ	30.36	+ .01	44	43	+ 5	NW	3	c	2	45	38	-	
London ...	30.29	44	S	2	o	30.34	-.01	45	44	+ 4	N	2	o	*	45	31	-	
Oxford ...		*	*	*	*	30.33	-.01	45	45	+ 9	S	1	r	*	46	36	0.01	
Cambridge ...	30.24	40	S	1	o	30.31	-.02	44	44	+ 13	N	1	o	*	46	30	0.01	
Yarmouth ...	30.25	38	SW	1	cf	30.29	-.06	41	41	+ 8	N	1	δ	2	44	33	-	
The Helder ...	*	*	*	*	*	30.23	+ .03	44	43	+ 1	SW	1	o	*	*	*	-	
Cape Gris Nez ...	30.29	43	S	1	o	30.38	+ .04	46	45	+ 5	SW	2	o	1	46	41	-	
Jersey ...	30.20	44	S	3	δ	30.42	+ .02	39	39	- 7	S	2	δ	1	47	39	-	
Brest ...	30.22	52	S	4	o	30.38	+ .04	43	41	- 5	E	3	o	4	52	41	-	
L'Orient ...	30.28	46	SSE	3	c	30.41	+ .03	36	34	- 9	NE	3	m	3	50	34	-	
Rochefort ...	30.26	48	ESE	4	δ	30.30		34	34		E	3	δ	3	57	?	-	
Biarritz ...	30.32	54	NE	3	δ	30.35	-.23	43	41	+ 7	SE	2	δ	3	?	34	-	
Corunna ...	*	*	*	*	*				*					*	*	*	*	
Brussels ...	*	*	*	*	*	30.38	+ .04	43	35	- 1	NW	4	o	*	*	*	-	
Charleville ...	*	*	*	*	*				*					*	*	*	*	
Paris ...	*	*	*	*	*				*					*	*	*	*	
Lyons ...	*	*	*	*	*	?	?	38	*	- 5	NW	7	o	*	*	*	*	
Toulon ...	30.18	46	SW	1	δ	30.25	+ .13	45	41	+ 2	N	2	δ	3	52	39	-	

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

	Bar.	Dry.	Wet.	Wind.	Wet.	Sea.		Bar.	Dry.	Wet.	Wind.	Wet.	Sea.		
Skudesnaes ...	30.10	39	37	SSE	6	o	4	Valencia	29.99	30	49	NE	2	fm	5
Thurso	29.86	40	39	SSW	2	o	3	Seilly							
Scarborough ...	30.20	39	38	SSW	1	o	2	London	30.30	44	42	SW	1	om	*
Greencastle ...	30.01	41	41	N	1	r	*	Rochefort ...	30.33	48	45	SE	4	δ	2
Holyhead	30.15	46	44	SSW	4	m	3								

The depressions referred to this morning are both moving eastward, and the more southern one will probably cross over the South of England. A strong SW wind is felt at Stornoway this afternoon, while at Valencia the wind has backed round to NE. with continuous rain.

EXPLANATION OF COLUMNS.

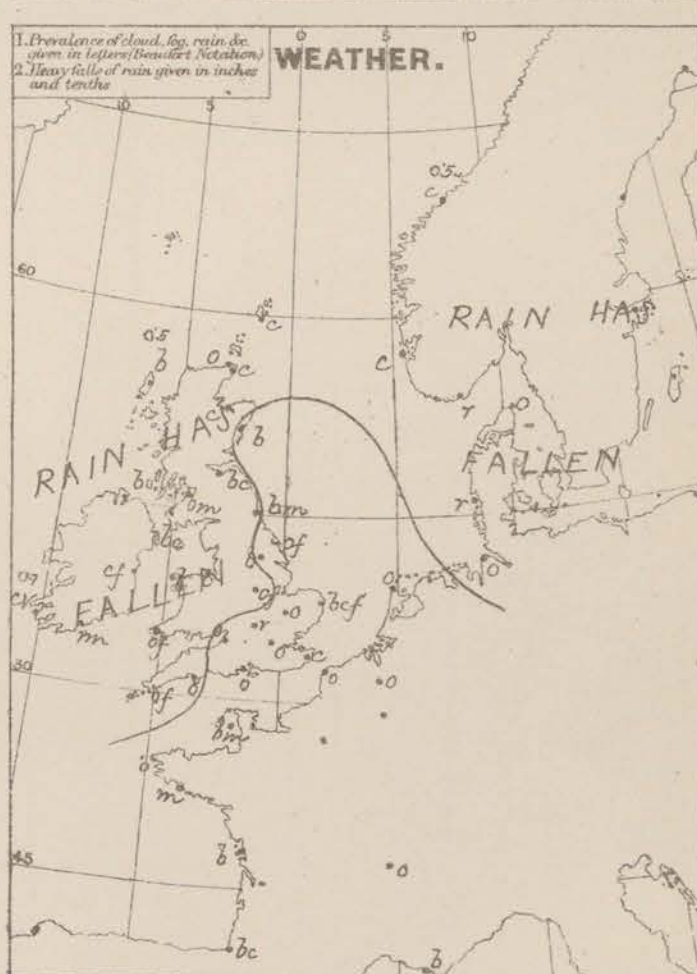
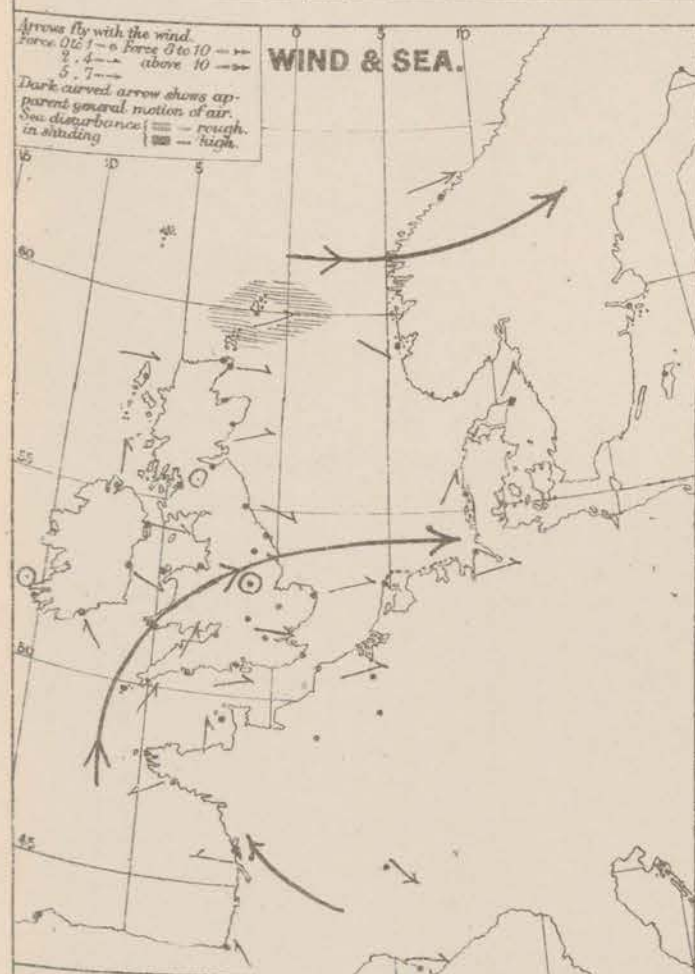
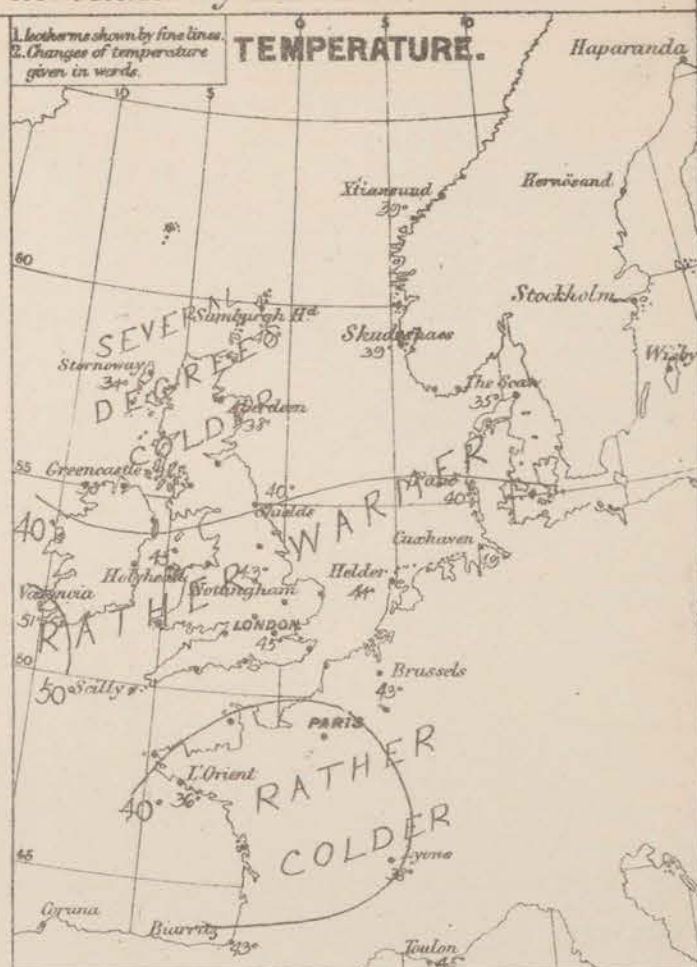
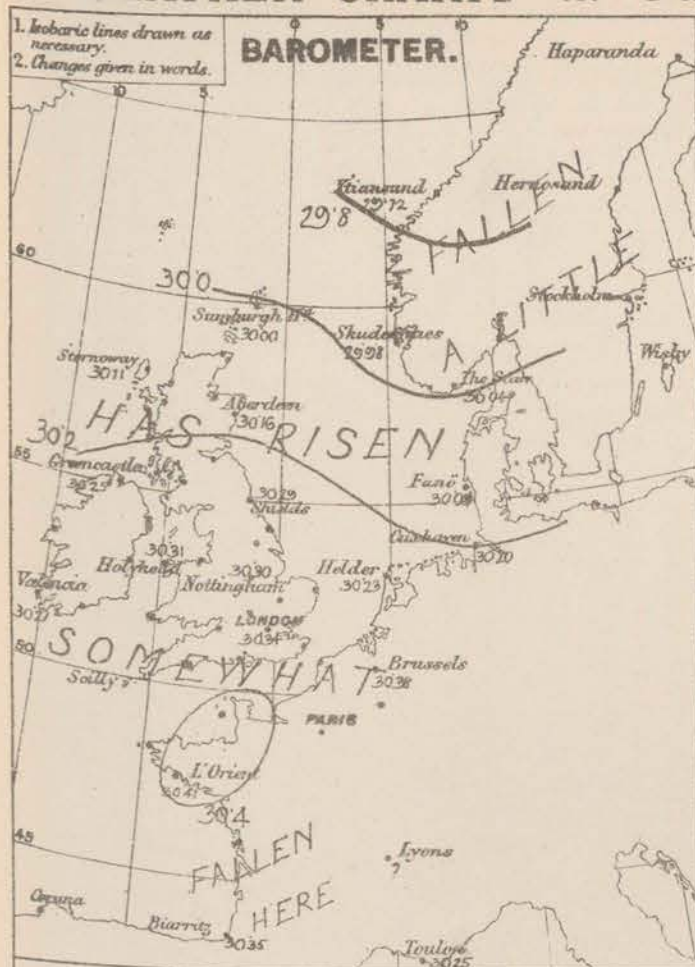
WEATHER.—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 Wednesday 2ND JANY 1878.*



REMARKS. Weather is fine at many of the more northern stations but is dull or very cloudy elsewhere, with a good deal of fog and mist. At Roches Pt., Oxford, Tans and Cro rain is falling. Rain fell at all but our most eastern stations yesterday. Temperature has decreased in Scotland, the north of Ireland and the north west of France, but has risen in most other places, the increase in the south east of England being considerable; it varies from 34° to 39° over Scotland, from 33° to 51° over Ireland, and from 40° to 50° over England; in France the weather is cold. Wind is light except at Christiansund, where it blows strongly; it is E in direction over the Bay of Biscay, generally W. on our coasts and S. on the eastern shores of the North Sea. Sea is moderate to slight. Barometrical Indications. Pressure is decreasing somewhat in Norway, Denmark and North Germany but increasing elsewhere. It is highest over Brittany and lowest in the west of Norway, but readings are very uniform over France and England.

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

R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT

JAN 3rd

1878.

STATIONS.	↑ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 3 p.m. 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 13).		Leading at 3 p.m. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 13).			Max.	Min.			
Haparanda ...	29.89	30	S	6	o	29.83		29	29		SH	2	o	*	30	25	0.12		
Hernösand ...	30.02	29	SSH	2	o	29.99		22	21		NNH	2	o	*	*	*	0.08		
Stockholm ...	30.11	32	SSH	2	o	30.10		34	33		SSH	2	o	*	*	*	0.04		
Wisby ...														*	*	*			
Christiansund ...	29.94	39	H	7	c	29.47	-25	46	39	+	7	SSH	4	o	5	46	32	0.20	
Skudesnaes ...	30.17	36	Z	0	b	29.94	-04	42	41	+	3	SSE	8	ff	5	?	36	-	
Oxö (Xtiansand) ...	30.18	37	NNH	2	b	30.12	+	16	33	32	-	6	NNH	2	o	2	39	30	-
Skagen (The Ssaw) ...	30.16	40	NNE	2	c	30.17	+	13	36	34	+	1	SH	2	o	0	37	30	0.04
Fanö ...	30.25	38	NN	4	b	30.25	+	16	37	37	-	3	SH	1	c	*	41	34	0.04
Cuxhaven ...	30.23	2	NNH	2	o	30.34	+	14	36	36	-	13	H	1	f	*	?	34	-
Sumburgh Head ...	29.99	44	SSH	5	c	29.55	-45	47	46	+	7	NNH	6	f	6	49	40	0.08	
Stornoway ...	29.99	44	SH	6	cu	29.60	-48	49	48	+	15	SH	4	o	5	49	33	0.06	
Thurso ...	30.04	38	S	3	o	29.64	-45	49	48	+	13	SH	4	o	4	37	34	0.01	
Wick ...	30.05	42	S	3	o	29.65	-44	50	?	12	SH	4	bc	2	37	36	-		
Nairn ...	30.06	40	H	1	o	29.73	-40	51	49	+	14	H	1	o	1	57	37	-	
Aberdeen ...	30.12	38	SH	1	b	29.79	-37	48	47	+	10	SSH	4	o	1	49	36	0.03	
Leith ...	30.20	38	H	3	c	29.93	-32	51	49	+	12	NNH	4	o	*	52	36	-	
Shields ...	30.33	41	SH	1	f	30.03	-26	48	46	+	8	NNH	1	om	2	49	37	-	
Scarborough ...	30.34	40	SH	1	c	30.11	-17	46	45	+	4	SH	3	o	2	46	39	-	
York ...	30.36	39	ENE	1	b	30.14	-17	45	44	+	5	S	3	o	*	47	35	0.01	
Nottingham ...	30.38	41	Z	0	o	30.22	-13	44	43	+	1	SH	3	o	*	49	36	-	
Ardrossan ...	30.23	46	SSE	3	o	29.95	-31	49	47	+	13	SSH	3	o	4	50	36	0.01	
Greencastle ...	30.14	44	S	1	o	29.59	-36	48	47	+	15	SH	2	o	*	50	32	0.07	
Donaghadee ...	30.25	45	S	2	c	29.99	-30	48	48	+	12	SSH	4	f	2	48	36	0.01	
Kingstown ...	30.28	47	SSE	1	c	30.07	-25	51	48	+	6	S	3	o	2	51	43	-	
Holyhead ...	30.31	44	NNH	2	m	30.12	-19	49	49	+	4	SSH	4	f	3	50	43	0.03	
Liverpool (Bidston) ...	30.34	44	NE	1	bc	30.15	-17	49	47	+	6	SSH	3	o	1	49	42	-	
Valencia ...	30.22	49	SSE	5	sdm	30.07	-20	52	51	+	1	S	4	ff	4	52	48	0.19	
Roche's Point... ..	30.29	50	S	4	r	30.14	-17	50	49	+	1	SH	4	f	4	51	48	0.18	
Pembroke ...	30.36	49	SH	1	o	30.21	-09	51	50	+	1	SSH	2	o	3	51	47	0.01	
Portishead ...	30.37	46	SSH	3	o	30.27	-06	43	42	-	5	S	3	o	3	49	39	-	
Scilly ...																			
Plymouth ...	30.40	45	Z	0	b	30.31	-04	44	44	-	3	Z	0	om	*	50	38	0.01	
Hurst Castle ...	30.42	47	NNH	2	o	30.35	-01	47	45	o	NNH	4	b	4	47	45	-		
Dover ...	30.47	47	NNH	2	c	30.37	+	01	46	45	+	2	NNH	2	c	1	45	45	-
London ...	30.41	49	NNH	1	om	30.32	-02	46	45	+	1	S	1	om	*	49	44	0.03	
Oxford ...	*	*	*	*	*	30.28	-05	41	40	-	4	S	1	bc	*	48	41	0.02	
Cambridge ...	30.37	47	NNH	1	o	30.27	-04	44	43	o	S	1	c	*	53	37	-		
Yarmouth ...	30.37	47	NNH	1	b	30.28	-01	40	40	-	1	NNH	2	ff	2	44	34	0.01	
The Helder... ..	*	*	*	*	*	30.34	+	11	35	34	-	9	S	1	f	*	*	0.08	
Cape Gris Nez ...	30.41	45	NNH	2	f	30.38	00	41	41	-	5	SSH	1	m	0	48	41	0.04	
Jersey ...	30.46	41	?	?	b	30.41	-01	42	39	+	3	SH	3	b	3	46	39	-	
Brest ...	30.43	?	E	1	b	30.38	00	43	41	o	SE	2	o	3	48	41	-		
L'Orient ...	30.45	41	E	3	b	30.42	+	01	36	36	o	ESE	3	b	3	43	32	-	
Rocheport ...	30.37	46	ENE	2	r	?	?	34	32	o	ENE	4	b	3	54	30	-		
Biarritz ...	30.44	52	SSE	1	b	30.47	+	12	43	39	o	SSE	2	b	3	?	34	-	
Corunna ...	*	*	*	*	*									*	*	*			
Brussels ...	*	*	*	*	*	30.39	+	01	38	*	-	5	SH	1	f	*	*	0.04	
Charleville ...	*	*	*	*	*	30.35		36	*			SSH	1	f	*	*	*		
Paris ...	30.45	31	S	1	r	30.41	-04	36	36	+	5	SSH	1	f	*	*	*	-	
Lyons ...	*	*	*	*	*	30.41	?	40	*	+	2	NE	2	b	*	*	*	*	
Toulon ...	30.22	46	E	1	bc	30.22	-03	45	41	o	E	3	o	3	50	43	-		
YESTERDAY'S 2 P.M. REPORTS AND REMARKS.																			
Bar.		Dry.	Wet.	Wind.	Wet.	Sea.	Bar.		Dry.	Wet.	Wind.	Wet.	Sea.						
Skudesnaes ...		30.13	39	37	NNH	1	bc	2	Valencia ...		30.24	52	51	SE	4	o	5		
Thurso ...		30.11	39	35	S	1	o	3	Scilly ...										
Scarborough ...		30.34	43	41	NNH	1	c	2	London ...		30.37	48	48	H	1	om	*		
Greencastle ...		30.21	41	40	NNH	1	o	*	Rocheport ...		30.34	45	43	ENE	3	bc	3		
Holyhead ...		30.34	47	46	NNH	2	bc	2											

The mercury has begun to fall again in Ireland, though it still rises elsewhere. The wind is freshening from SE. at Valencia, and thick weather is coming up from the SH.

EXPLANATION OF COLUMNS.

WEATHER.—Comfort 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 AESTERISK is inserted in all places for which information is not usually received.

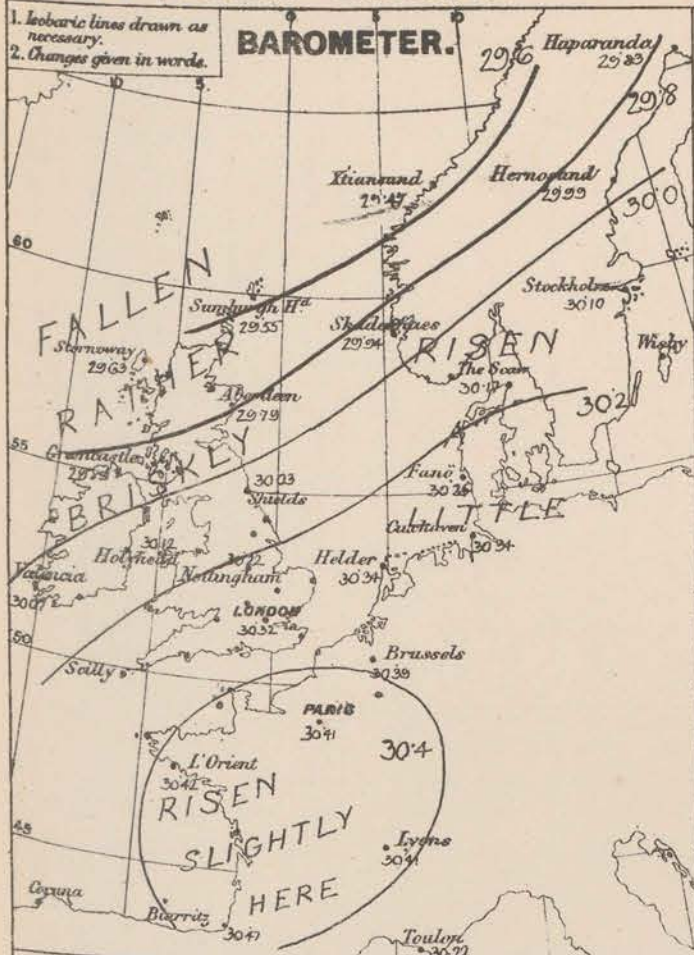
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

‡ 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 3rd JANY 1878.

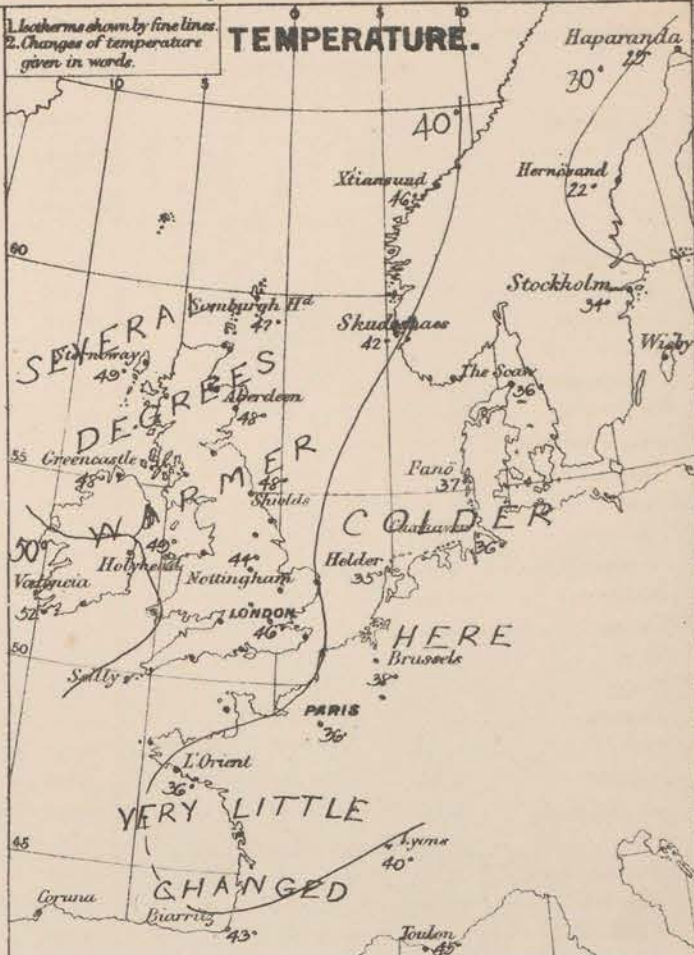
1. Isobaric lines drawn as necessary.
2. Changes given in words.

BAROMETER.



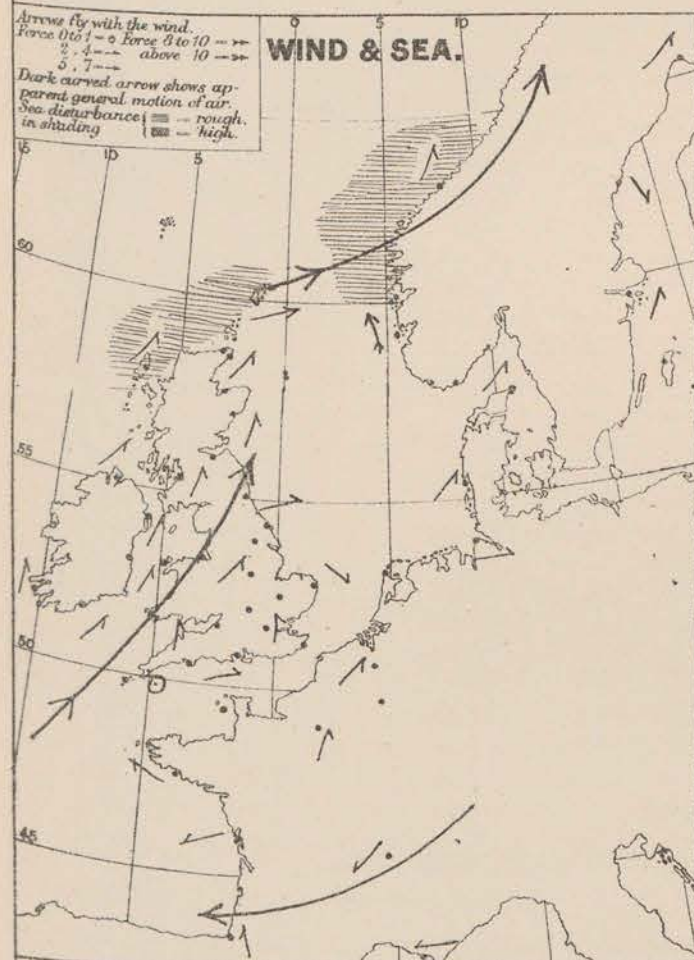
1. Isotherms shown by fine lines.
2. Changes of temperature given in words.

TEMPERATURE.



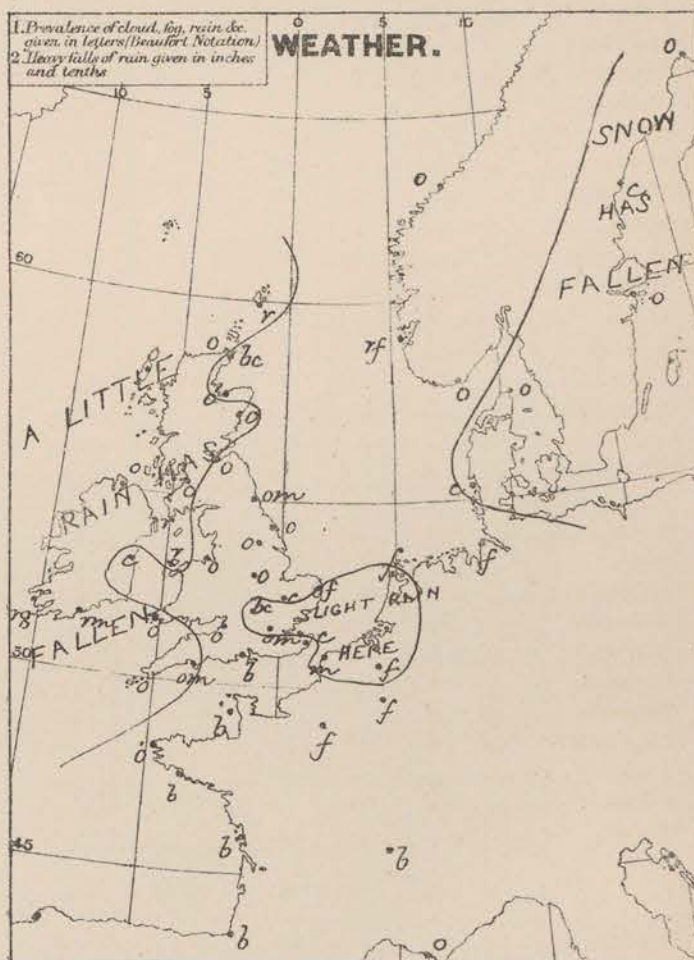
1. Arrows fly with the wind. Force 0 to 10 ——— above 10 ———
2. Dark curved arrow shows apparent general motion of air.
3. Sea disturbance: ——— rough, in shading ——— high.

WIND & SEA.



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

WEATHER.



REMARKS. Weather is fine in France, but is cloudy or dull elsewhere; with rain in the south of Ireland, at Donaghadee, Holyhead, Sandown and the Shetlands, and fog or mist at a number of the south eastern stations. Rain fell in many parts of the country yesterday, but in very small amounts. Temperature is unchanged in France, but has risen at nearly all our stations; in the north and north west the change is considerable, and the thermometer is uniform at about 50° over Scotland, Ireland and the west of England. In France the weather remains cold, the reading at Rochefort being 12° lower than that in London, and 16° than that at Wick. Wind is E^h over the Bay of Biscay but turns into SW on our coasts and over the North Sea, and into SE at Sandown; it is moderate or light in force except in the extreme north, but during the night a hard SW gale was experienced in the Hebrides. Sea is moderate to slight.

Barometrical Indications. A large depression has advanced towards these Islands during the night, its centre being shown this morning near the Shetlands; it has occasioned a brisk fall of the barometer over the greater part of these Islands, but in the south of France and over Denmark the mercury still rises.

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

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

R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT JAN 4TH 1878.

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 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirco.	Force. (0 to 12).			Max.	Min.		
Haparanda ...														*				
Hernösand ...														*	*	*		
Stockholm ...														*	*	*		
Wisby ...														*	*	*		
Christiansund ...														*				
Skudesnaes ...	29.66	45	S	6	T	29.99	+ .05	35	32	- 7	NNW	6	bc	3	?	?	-	
Oxö (Tiansand) ...	29.76	42	SSH	6	T	29.88	- .24	38	37	+ 5	NNW	2	bc	3	43	36	-	
Skagen (The Seaw) ...	29.86	39	WNW	6	T	29.84	- .28	40	40	+ 4	WNW	2	f	2	43	34	0.16	
Fanö ...	30.00	39	SSH	6	T	29.98	- .27	42	42	+ 5	SW	4	f	*	?	36	0.08	
Cuxhaven ...	30.25	40	SW	3	f	30.06	- .28	39	39	+ 3	WNW	2	o	*	?	34	0.02	
Sumburgh Head ...	29.73	42	N	4	C	30.15	+ .60	33	32	- 14	NNE	3	o	3	49	31	0.07	
Stornoway ...	29.77	48	N	2	T	30.09	+ .46	40	38	- 9	E	3	o	4	50	38	0.03	
Thurso ...	29.77	47	NNW	3	T	30.13	+ .49	38	39	- 11	NE	12	o	2	31	37	0.01	
Wick ...	29.73	47	N	3	o	30.13	+ .48	38	36	- 12	E	3	o	2	32	37	0.02	
Nairn ...	29.77	47	NNW	1	bc	30.10	+ .37	39	37	- 12	Z	0	o	1	32	38	0.09	
Aberdeen ...	29.76	48	SSH	1	o	30.10	+ .31	41	39	- 7	NE	2	o	1	51	40	0.04	
Leith ...	29.79	48	SW	3	T	30.09	+ .16	43	42	- 8	ENE	3	o	*	53	42	0.35	
Shields ...	29.89	49	SW	1	o	30.03	00	45	44	- 3	NE	2	bc	3	51	43	0.26	
Scarborough ...	29.92	47	SW	2	o	29.97	- .14	45	45	- 1	NNW	1	f	2	48	45	0.34	
York ...	29.96	47	S	1	T	29.99	- .15	46	46	+ 1	NE	1	o	*	50	43	0.42	
Nottingham ...	30.02	47	S	3	T	29.95	- .27	47	47	+ 3	NNE	2	T	*	48	43	0.32	
Ardrossan ...	29.84	48	SSH	2	T	30.04	+ .09	45	43	- 4	NE	3	o	2	50	45	0.19	
Greencastle ...	29.81	46	SW	1	T	29.99	+ .10	47	47	- 1	NE	1	om	*	49	45	0.20	
Donaghadee ...	29.89	48	S	3	T	30.04	+ .05	48	48	0	N	1	o	0	49	47	0.27	
Kingstown ...	29.85	50	Z	0	T	30.02	- .05	49	48	- 2	NNW	3	m	2	53	47	0.92	
Holyhead ...	29.91	49	SSH	2	T	29.99	- .13	48	48	- 1	NNE	3	m	2	51	38	0.51	
Liverpool (Bidston) ...	29.93	49	S	2	T	29.97	- .18	40	40	- 9	N	1	o	1	52	43	0.67	
Valencia ...	29.92	52	WNW	4	tg	30.06	- .01	48	48	- 4	Z	0	fg	0	53	47	0.75	
Roche's Point ...	29.97	48	WNW	4	C	30.01	- .13	49	47	- 1	NNW	4	o	4	51	48	0.46	
Pembroke ...	29.98	51	SSH	4	T	29.98	- .23	48	48	- 3	N	1	o	3	51	48	0.27	
Portishead ...	30.07	46	SW	3	T	29.92	- .35	48	47	+ 5	NNW	2	o	2	51	41	0.23	
Scilly ...																		
Plymouth ...	30.11	50	SW	3	o	29.94	- .37	50	50	+ 6	NNW	1	only	*	52	44	0.19	
Hurst Castle ...	30.19	48	SW	5		29.92	- .43	48	48	+ 1	N	3	f	4	49	45	0.17	
Dover ...	30.19	46	WNW	4	bc	29.99	- .38	43	43	- 3	SSH	4	only	3	47	43	0.05	
London ...	30.14	48	SW	2	o	29.92	- .40	47	46	+ 1	S	2	T	*	49	45	0.20	
Oxford ...	*	*	*	*	*	29.90	- .38	48	48	+ 7	Z	0	T	*	48	40	0.45	
Cambridge ...	30.12	46	S	1	o	29.94	- .33	45	45	+ 1	S	1	T	*	49	43	0.21	
Yarmouth ...	30.09	43	SSE	3	bc	29.99	- .29	42	42	+ 2	S	2	tg	2	44	38	0.21	
The Helder ...	*	*	*	*	*	30.07	- .30	41	40	+ 6	SSH	2	o	*	*	*	0.04	
Cape Gris Nez ...	30.20	45	SSH	4	C	30.00	- .38	39	37	- 2	S	3	f	2	46	37	0.08	
Jersey ...	30.25	46	SW	3	o	29.96	- .45	50	50	+ 8	SW	4	fg	4	50	41	0.20	
Brest ...	30.24	50	SW	3	o	30.01	- .37	52	52	+ 9	NNW	3	f	4	?	41	0.16	
L'Orient ...	30.27	48	SW	3	C	30.01	- .41	52	52	+ 16	N	4	m	4	?	?	0.08	
Rochefort ...	30.39	45	ENE	2	bc	30.13	?	43	41	+ 9	S	3	o	3	44	30	-	
Biarritz ...	30.43	54	SSE	1	bc	30.23	- .24	48	45	+ 5	SSH	2	o	3	54	41	-	
Corunna ...	*	*	*	*	*									*	*	*	*	
Brussels ...	30.23	39	SW	3	o	30.09	- .30	37	36	- 1	SW	4	o	*	41	37	-	
Charleville ...	*	*	*	*	*	30.15	- .20	35	*	- 1	S	3	o	*	*	*	*	
Paris ...	30.31	38	SSH	2	o	30.12	- .29	35	35	- 1	SSE	2	T	*	*	*	0.20	
Lyons ...	*	*	*	*	*	30.20	- .21	43	*	+ 3	SE	2	m	*	*	*	*	
Toulon ...	30.21	45	E	2	bc	30.16	- .06	41	37	- 4	ENE	3	bc	3	48	?	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.71	45	44	S	6	tf	5	Valencia	29.93	53	52	SW	6	tgw	5
Thurso	29.63	50	50	SW	1	tf	3	Scilly							
Scarborough ...	29.98	47	46	SW	2	o	2	London	30.21	48	46	SW	2	om	*
Greencastle ...	29.83	47	47	SW	1	T	*	Rochefort ...	30.32	45	41	E	2	bc	2
Holyhead	30.00	50	49	SW	6	T	4								

Pressure continues to decrease in all places except Thurso. The wind is strong at Valencia and Holyhead and the sea is rough in the N. of 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.

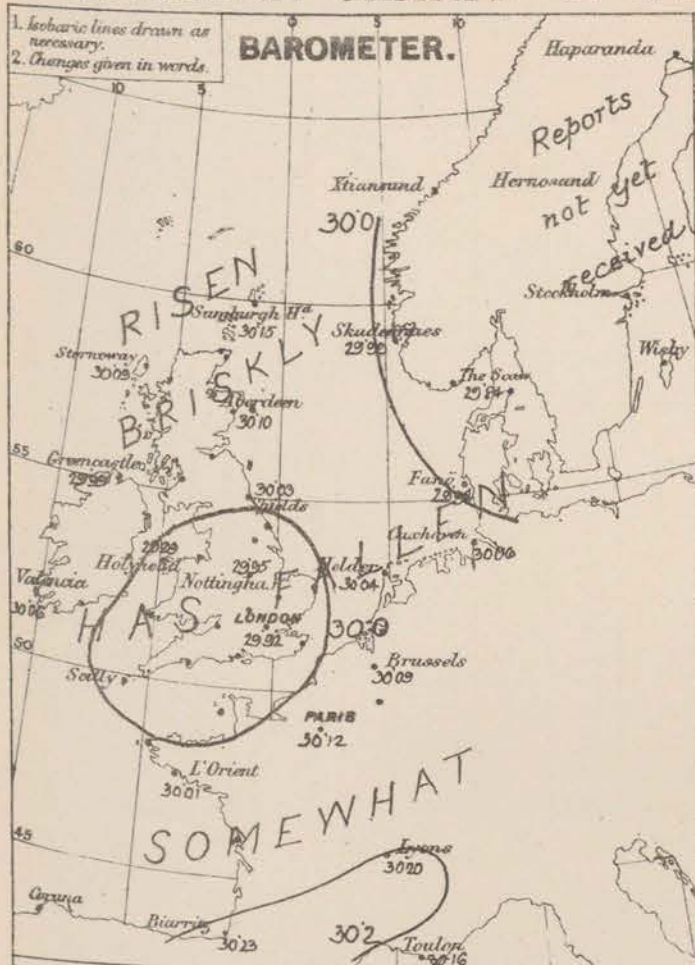
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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

WEATHER CHARTS for 8 a.m. on Friday 4th JANY 1878.

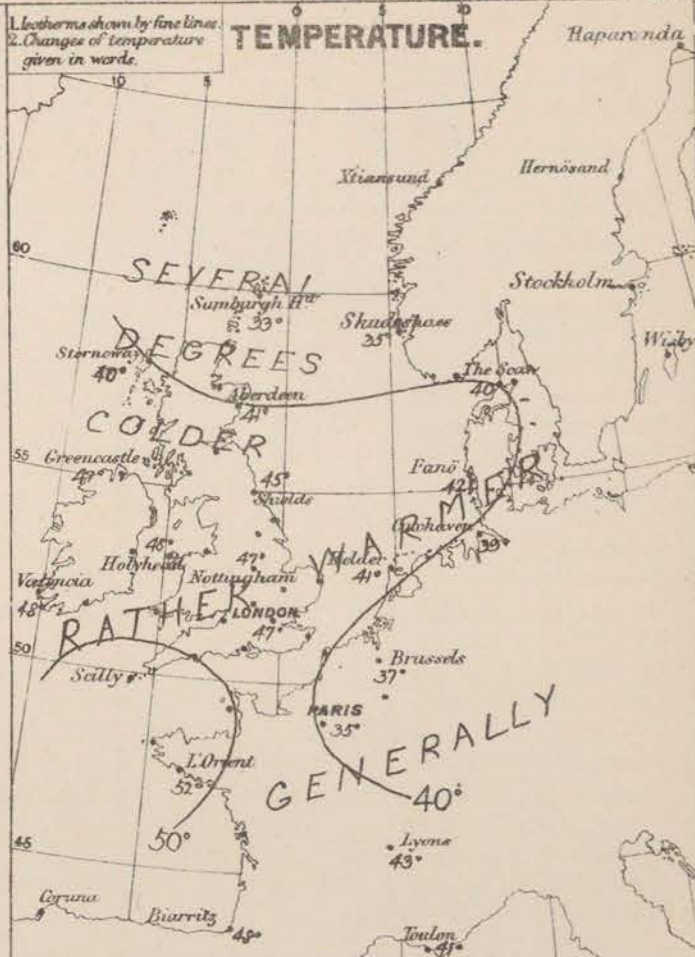
1. Isobars in lines drawn as necessary.
2. Changes given in words.

BAROMETER.



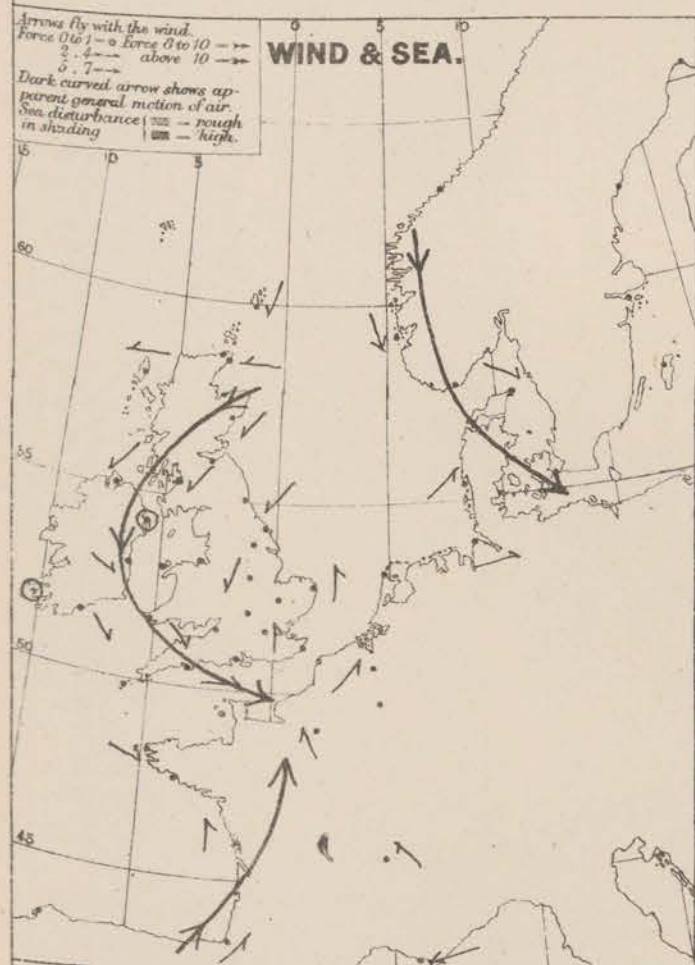
1. Isotherms shown by fine lines.
2. Changes of temperature given in words.

TEMPERATURE.



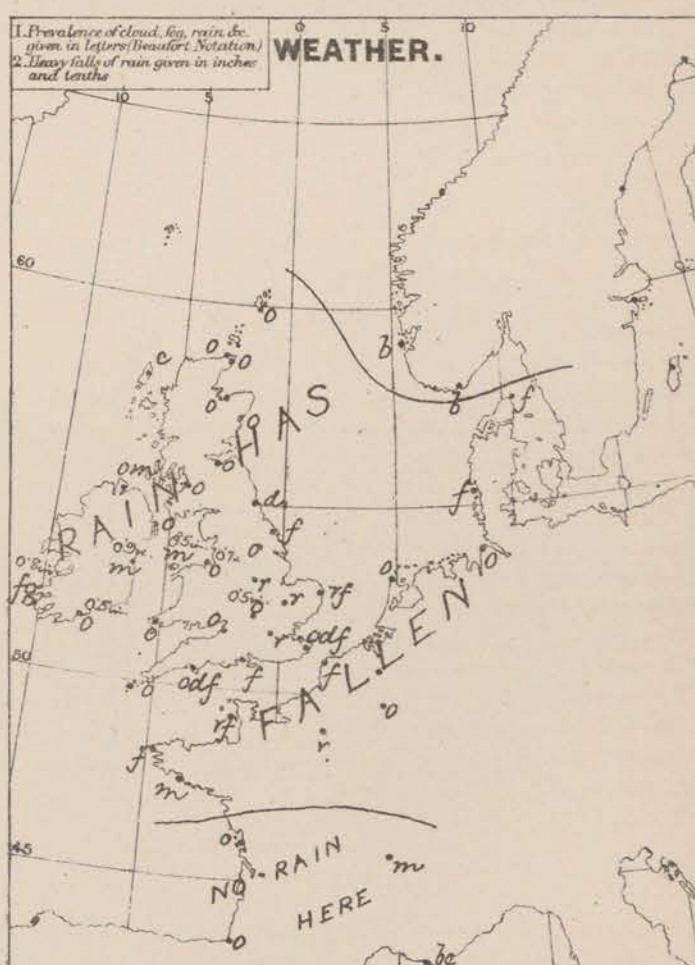
1. Arrows fly with the wind. Force 0 to 10 ———— above 10 ————
2. Dark curved arrow shows apparent general motion of air. Sea disturbance ———— rough in shading ———— high.

WIND & SEA.



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

WEATHER.



REMARKS. Weather is fine in the west of Norway but is overcast in all other places, with rain and fog over England and the north of France. Rain fell yesterday in nearly all places, the amounts at some of the western stations being large. Temperature has risen over Denmark, North Germany, France and in the south of England but has fallen elsewhere — in the north of Scotland the change is considerable; it is moderately uniform over the United Kingdom, varying from 38° to 45° over Scotland, from 47° to 49° over Ireland, and from 42° to 51° over England. Wind is light on all coasts; it is E^{ly} to NE^{ly} in Scotland, N^{ly} and NW^{ly} on our western coasts, W^{ly} to SW^{ly} in the south and east; in the west of Norway a NW^{ly} breeze is blowing, owing to a separate circulation in that neighbourhood. Sea is moderate to slight.

Barometrical Indications. A large area of comparatively low pressure is shown over England and the Channel this morning, and the barometer has fallen quickly at all the more southerly stations, while it has risen briskly in the north. Readings are very uniform over these Islands.

DAILY WEATHER REPORT

JAN 5TH

1878.

STATIONS.	↑ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Baromet. at 320 F. Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETR.		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 ...	29.35	21	N	6	δ	29.47		17	17		N	4	o	*	23	7	-	
Hernösand ...	29.85	22	NNN	2	δ	29.82		22	21		N	2	δ	*	*	*	-	
Stockholm ...	30.01	26	N	6	δ	29.96		22	19		N	1	δ	*	*	*	-	
Wisby ...	30.01	32	N	6	δ	30.04		31	28		NN	6	δ	*	*	*	0.08	
Christiansund ...	30.15	31	NNN	7	δ	30.04	+ .06	32	31	+ 2	SH	4	c	6	32	27	-	
Skudesnaes ...	30.16	31	NNN	4	δ	30.11	+ .12	27	27	- 8	ENE	1	o	2	?	?	-	
Oxö (Xtiansand) ...	30.12	34	NNE	4	δ	30.08	+ .20	27	26	- 11	NNN	1	δ	2	39	25	-	
Skagen (The Seaw) ...	30.14	35	ESE	2	δ	30.10	+ .26	35	33	- 5	SH	2	o	2	41	30	-	
Fanö ...	30.12	37	SSH	1	o	30.15	+ .17	36	35	- 6	NN	1	c	*	41	36	-	
Cuxhaven ...	30.12	4	SSH	3	γ	30.21	+ .15	39	39	o	NNN	1	g	*	?	37	0.05	
Sumburgh Head ...	30.23	35	ESE	1	o	29.97	- .18	40	38	+ 7	SSE	4	o	4	45	31	-	
Stornoway ...	30.09	44	SSE	1	o	29.88	- .21	46	45	+ 6	S	5	d	5	46	38	0.03	
Thurso ...	30.17	38	ESE	2	o	29.91	- .22	41	40	+ 3	SSE	2	o	4	41	35	0.03	
Wick ...	30.18	38	ESE	2	δ	29.94	- .19	42	41	+ 4	S	2	o	2	43	36	0.02	
Nairn ...	30.16	38	Z	o	δ	29.96	- .14	40	38	+ 1	Z	o	δ	1	40	36	-	
Aberdeen ...	30.19	39	Z	o	o	30.01	- .09	39	38	- 2	SSH	2	δ	1	41	35	0.02	
Leith ...	30.20	42	E	2	o	30.07	- .02	40	40	- 3	Z	o	o	*	43	38	-	
Shields ...	30.18	43	NE	2	γ	30.13	+ .10	43	42	- 2	SSH	2	g	3	45	40	0.10	
Scarborough ...	30.14	43	ENE	2	γ	30.15	+ .18	42	42	- 3	SH	1	o	3	46	42	0.13	
York ...	30.14	45	NE	1	γ	30.17	+ .18	43	43	- 3	SSE	1	o	*	48	42	0.04	
Nottingham ...	30.14	46	NNE	2	γ	30.20	+ .28	?	?	?	S	2	γ	*	47	42	0.02	
Ardrossan ...	30.16	42	NE	2	δ	30.06	+ .02	46	45	+ 1	SSE	1	om	2	46	42	-	
Greencastle ...	30.08	46	SSE	1	o	29.97	- .02	47	46	o	SH	1	o	*	48	44	0.06	
Donaghadee ...	30.17	46	SSE	3	c	30.06	+ .02	46	46	- 2	SSH	2	γ	1	?	44	0.01	
Kingstown ...	30.13	48	E	1	o	30.09	+ .07	49	48	o	Z	o	γ	1	49	47	0.01	
Holyhead ...	30.12	46	NE	1	om	30.12	+ .13	46	46	- 2	SSH	1	g	0	50	45	-	
Liverpool (Bidston) ...	30.12	47	NE	1	o	30.14	+ .17	44	44	+ 4	SE	1	m	1	47	41	-	
Valencia ...	30.13	48	SE	3	g	30.00	- .06	51	51	+ 3	Z	o	om	1	52	46	0.03	
Roche's Point... ..	30.14	48	N	3	o	30.12	+ .11	49	49	o	SH	2	g	3	50	?	-	
Pembroke ...	30.11	47	N	1	δ	30.14	+ .16	48	47	o	SSE	1	om	2	50	45	-	
Portishead ...	30.05	44	Z	o	o	30.16	+ .24	44	44	- 4	NNN	2	o	2	49	42	-	
Scilly ...	30.08	47	Z	o	δ	30.16	+ .22	44	43	- 6	Z	o	o	*	53	41	-	
Plymouth ...	30.01	49	N	3	γ	30.17	+ .28	46	45	- 2	ENE	1	o	2	50	44	0.04	
Dover ...	30.09	44	SSH	4	o	30.18	+ .19	44	43	+ 1	NNE	1	g	0	44	42	0.06	
London ...	30.08	46	SSE	1	omd	30.18	+ .26	42	42	- 5	SE	1	og	*	49	42	0.15	
Oxford ...	30.19	*	*	*	*	30.19	+ .29	42	42	- 6	Z	o	g	*	48	42	0.06	
Cambridge ...	30.09	44	ESE	1	γ	30.20	+ .26	42	42	- 3	E	1	γ	*	48	41	0.07	
Yarmouth ...	30.10	41	SSE	1	c	30.18	+ .19	40	40	- 2	E	1	δ	2	43	38	0.04	
The Helder ...	30.20	*	*	*	*	30.20	+ .16	39	39	- 2	SSH	1	o	*	*	*	-	
Cape Gris Nez ...	30.09	41	S	1	g	30.17	+ .17	41	41	+ 2	SE	1	g	0	43	39	0.04	
Jersey ...	30.05	50	NNN	2	o	30.17	+ .21	48	48	- 2	? Z	o	m	1	52	47	0.09	
Brest ...	30.08	52	N	2	o	30.18	+ .17	50	46	- 2	Z	o	o	2	53	46	0.04	
L'Orient ...	30.08	50	NNN	3	o	30.18	+ .17	50	48	- 2	NNN	3	m	3	52	34	-	
Rocheport ...	30.08	50	SSE	4	γ	30.18	o	45	45	+ 2	SSE	3	g	3	?	39	0.04	
Biarritz ...	30.20	?	SH	3	γ	30.22	- .01	52	50	+ 4	SSH	3	o	3	55	45	0.24	
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Brussels ...	30.17	40	SSH	2	o	30.22	+ .13	38	37	+ 1	SSH	3	o	*	41	?	0.04	
Charleville ...	*	*	*	*	*	30.20	+ .05	33	33	- 2	SSE	3	o	*	*	*	*	
Paris ...	30.13	40	SSE	3	δ	30.23	+ .11	33	33	- 2	SE	1	δ	*	*	*	-	
Lyons ...	*	*	*	*	*	30.20	+ .10	37	*	- 6	S	2	g	*	*	*	*	
Toulon ...	30.19	45	S	1	o	30.19	+ .08	43	37	+ 2	NN	4	δ	2	48	41	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	30.12	32	30	NNN	3	δ	2	Valencia	30.09	49	48	Z	o	g	1
Thurso	30.16	38	37	ESE	2	δ	4	Scilly							
Scarborough ...	30.08	45	45	NE	1	m	2	London	29.98	49	48	Z	o	g	*
Greencastle ...	30.07	46	46	SE	1	o	*	Rocheport ...	30.08	48	46	SSE	4	o	3
Holyhead	30.07	49	48	NE	2	g	1								

Pressure is increasing slowly everywhere. Winds are very light and variable, and the weather dull.

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.

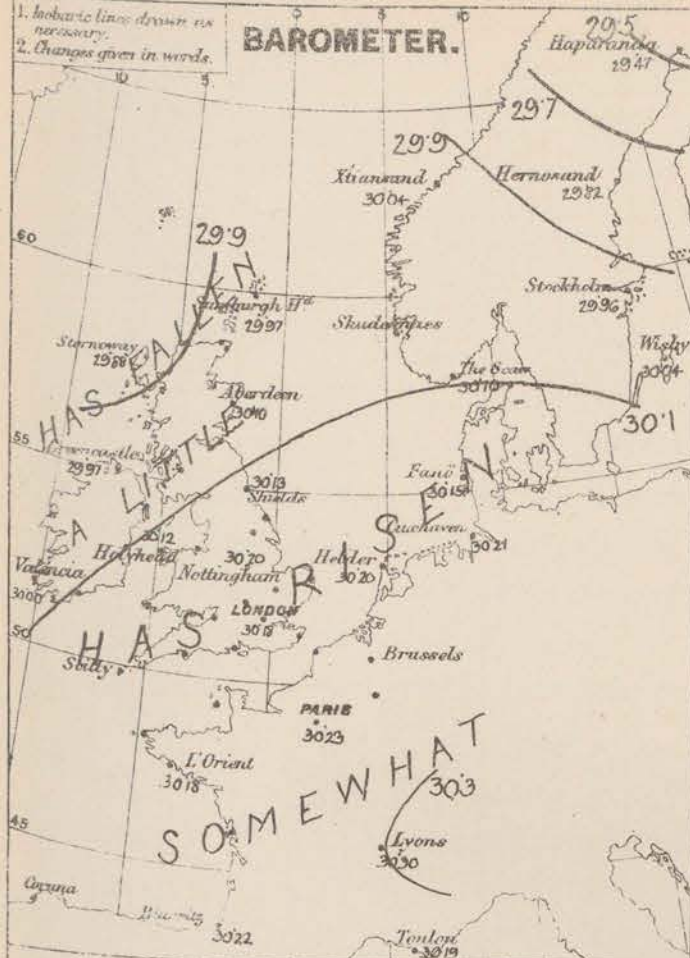
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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 5TH JANY 1878.

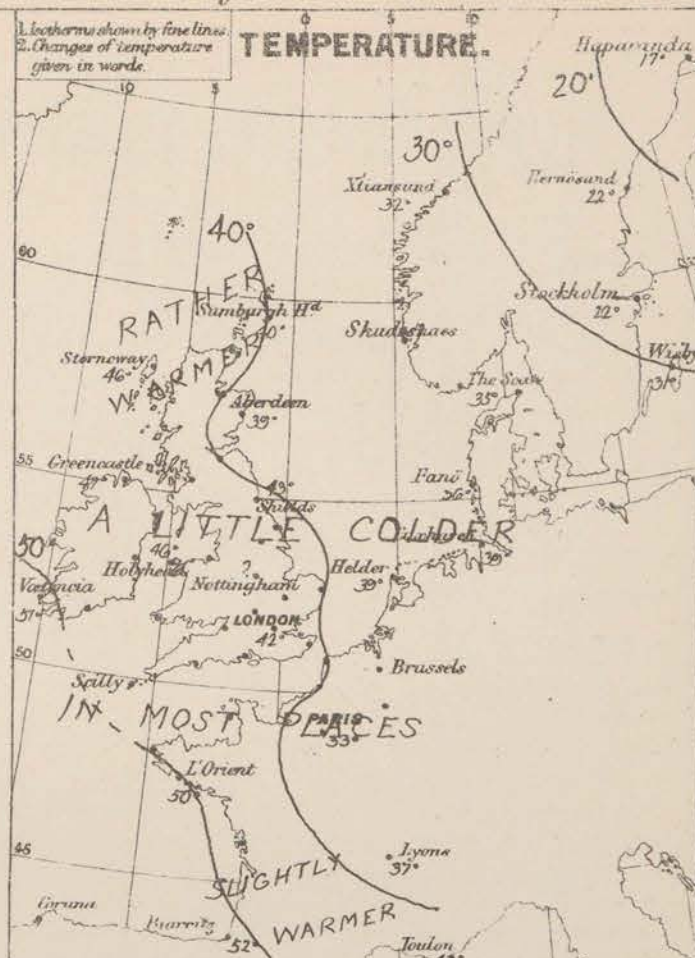
1. Isobaric lines drawn as necessary.
2. Changes given in words.

BAROMETER.



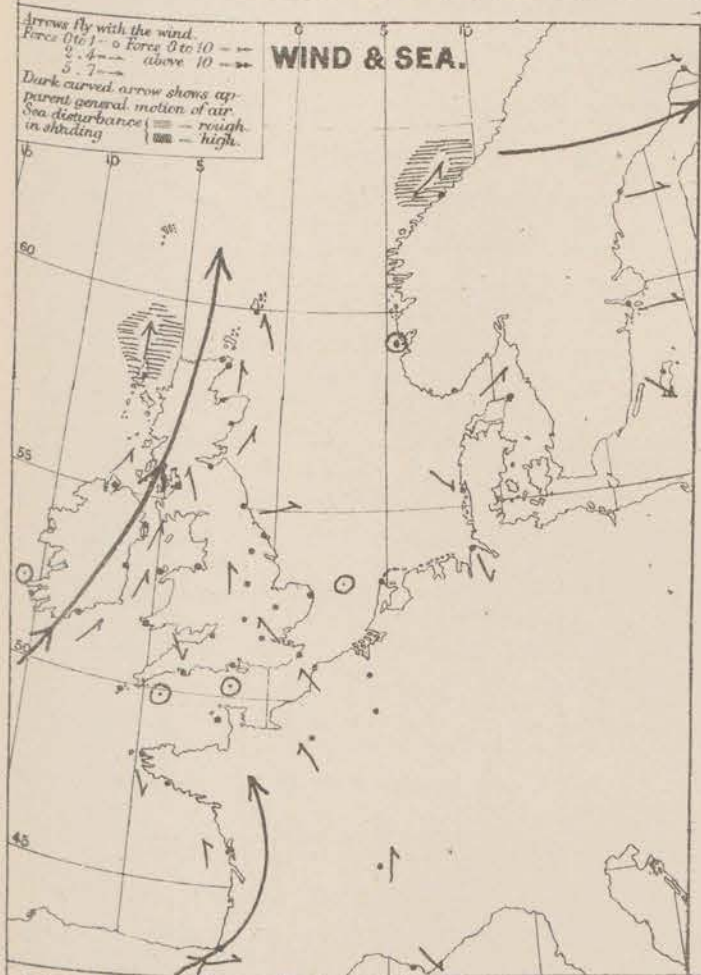
1. Isotherms shown by fine lines.
2. Changes of temperature given in words.

TEMPERATURE.



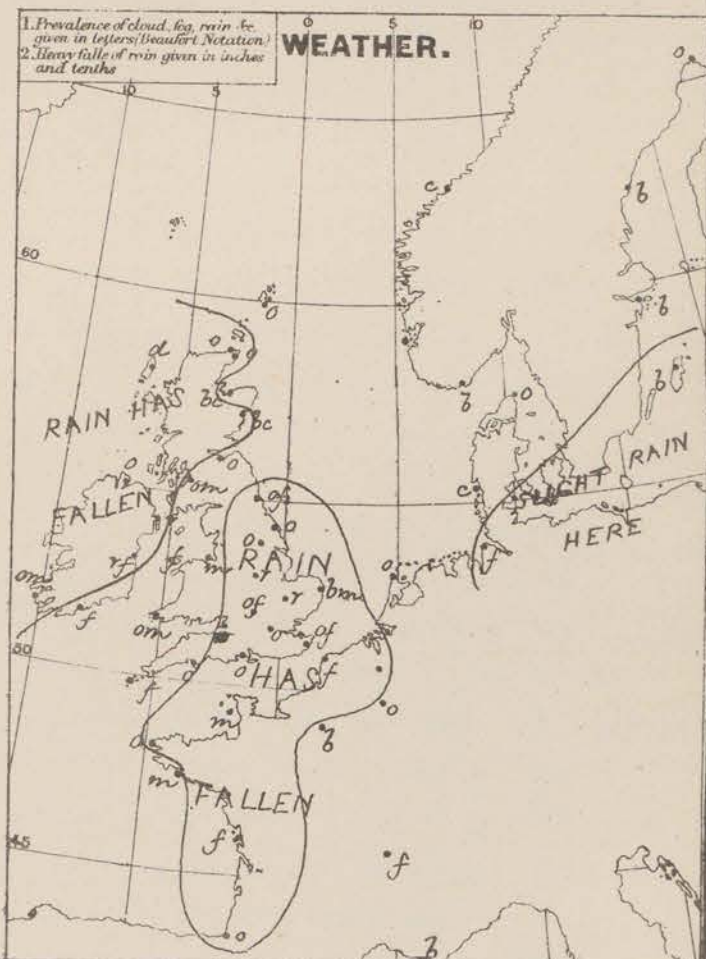
- Arrows fly with the wind.
- Forces 0 to 10 —
- 11 to 20 —
- 21 to 30 —
- above 30 —
- Dark curved arrow shows apparent general motion of air.
- Sea disturbance — rough in shading — high.

WIND & SEA.



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

WEATHER.



REMARKS. Weather is fine in Sweden, in the south of Norway and at Yarmouth but in all other places the sky is overcast or cloudy, with rain fog and mist over England, Ireland and the north of France. Rain fell yesterday except in the south west, but the amounts were again very small. Temperature has risen a few degrees in the extreme west and north, but has fallen elsewhere; it varies from 39° to 46° over Scotland, from 46° to 51° over Ireland, and from 40° to 48° over England. In the Gulf of Bothnia the weather is rather cold. Wind blows freshly in the north, but is light on all other coasts; it is generally N.W. to S.W. in the west and north but is E. in the south of England and N.W. in Denmark and north Germany. Sea is rough off the Helig, moderate to calm elsewhere.

Barometrical Indications. Pressure is decreasing at all our more northern stations but increasing in the south. It is very uniform over England and the north of France but a large depression lies apparently over the north of Scandinavia, while a second but smaller one seems to be approaching the north west coast of Scotland.

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.
Secretary

SUMMARY OF WEATHER IN WESTERN EUROPE

from JAN 1st to JAN 5th 1877.

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

During this period no very important barometrical disturbance has occurred in our neighbourhood, at first pressure was highest over France, and a series of depressions passed NE^{ly} across our area, giving us rather warm dull weather and S.W. breezes. On Friday, however, pressure gave way briskly over England and France, and a large area of comparatively low readings lay over England and the Channel, the weather being gloomy, foggy wet; on Saturday the lowest readings were established in the N. the barometer having risen in S. and S.W. breezes became general again, but no improvement took place in the weather.

JAN 1st The mercury was falling ^{briskly} at all our western and northern stations, but on the eastern shores of the North Sea, and at the SE^{ly} stations the barometer still rose, the increase which had occurred there since the previous morning amounting to about half an inch. Readings were high both in the S.W. of France, and over the Gulf of Bothnia, and comparatively low both to the NW^{ly} of Scotland, and over North Germany. Wind was S.W. in the N. and N. but drew into N. and N.W. in the E. and SE. and into N. in Denmark. Temperature had fallen in the E. and SE. and was rather low, the thermometer in London standing at 31° in the shade, and 22° on the grass, in the N. and N. however, the weather was much warmed. Sky remained fine in the E. but was overcast elsewhere with rain in the extreme N. By the evening the barometer was falling everywhere, and the weather was overcast.

JAN 2nd The disturbance which had caused the decrease of pressure at our stations on the 1st lay apparently over the NW^{ly} part of Norway, the mercury was falling in Denmark and Norway, but was rising over the whole of these Islands and France. Wind was light on all coasts, from E. over the Bay of Biscay, and from N. at our stations. Temperature had fallen over France, but risen over these Islands, Paris was 14° colder than London, and 9° colder than the Hebrides. Weather was moderately fine over France, and at some of our eastern and northern stations, dull or cloudy in most other places, with rain and fog in the south. During the day the barometer fell again in the N. and N. where a moderate S^{ly} breeze sprang up.

JAN 3rd The barometer had fallen briskly in the West of Norway, and the north and north-west of these Islands and to a less extent in all parts of western Europe, ^{except Denmark}, and the south-west of France. A rather deep depression lay off the west coast of Norway, while a second was apparently approaching our north-western coasts. The highest readings lay over France. Wind remained easterly in the west of France, but was southerly to south-westerly on all other coasts; it was generally moderate in force, but blew a fresh gale at Skudsmo. Temperature was unchanged in France but had risen on our coasts, in the north the change ranged from 10° to 15°, and the thermometer was very uniform at about 50° over Scotland, Ireland, and the west of England. Weather was fine in France, dull elsewhere, with rain in places, fog in the Netherlands. During the day both depressions moved away eastward, and the mercury was rising in the north at 6 P.M.

JAN 4th The barometer had risen quickly in the North; two regions of high pressure existed, one over the north of Scotland, the other over the south of France, while a large area of comparatively low readings lay over England and the Channel. Wind was very light from west to south-west and south in the south and east, from east to north-east in the north

and from north in the west. Weather was locally fine in the south of Norway, dull elsewhere, with rain, fog and mist over England and the north of France. Later reports showed the barometer rising except in the south of France, and at 6 A.M. readings were very uniform over western Europe.

JAN 5th During the night the mercury had fallen in the north and west, but had risen elsewhere, readings remained uniform over England and France, but a slight depression was advancing towards the north-west of Scotland. Wind was fresh from south at Norway, but was light elsewhere, it was generally southerly in direction in the west and north, but varied considerably in the South. Temperature had risen a few degrees in the extreme west and north, fallen in most other places. It was very uniform over these Islands. Weather was locally fine at Yarmouth, dull elsewhere, with fog, mist or rain at several stations. The depression in the north subsequently moved eastward across Scotland, and the winds veered to the westward, and the barometer fell at all stations except Valentia, where a recovery commenced.

DAILY WEATHER REPORT JAN 6th 1878.

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 12).	AIR 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 ...	29.41	22	N	2	b	29.42	-.05	18	18	+	1	NW	2	b	*	23	12	-
Hernösand ...	29.82	30	Z	0	b	29.62	-.20	8	8	-	14	Z	0	b	*	*	*	-
Stockholm ...	29.88	22	WSW	4	b	29.67	-.29	34	23	+	2	SSW	2	o	*	*	*	-
Wisby ...	29.97	32	NW	6	b	29.75	-.29	33	32	+	2	N	6	o	*	*	*	-
Christiansund ...	29.77	30	ESE	2	b	29.02	-.72	37	36	+	5	ESE	4	r	4	37	27	-
Skudesnaes ...	29.90	34	SSE	4	r	29.58	-.58	42	42	+	15	WSW	6	r	4	?	27	0.24
Oxö (Klansand) ...	29.97	27	N	4	o	29.61	-.67	34	34	+	7	NW	2	g	2	?	25	0.04
Skagen (The Seaw) ...	29.96	35	WSW	3	o	29.68	-.42	39	39	+	4	WSW	3	r	1	?	30	0.08
Fanö ...	30.03	37	SSW	2	g	29.76	-.39	40	40	+	4	SSW	4	r	*	?	34	0.12
Cuxhaven ...	30.19	?	N	1	g	29.92	-.69	39	39	0		SW	2	g	*	39	?	-
Sumburgh Head ...	29.71	45	SW	4	r	29.50	-.47	41	39	+	1	N	4	c	5	47	32	0.10
Stornoway ...	29.74	47	SW	1	o	29.64	-.28	40	38	-	6	N	5	c	5	48	38	0.09
Thurso ...	29.73	45	WSW	1	o	29.63	-.28	40	39	-	1	WSW	3	bcp	3	47	38	0.10
Wick ...	29.73	48	S	2	bc	29.62	-.82	38	36	-	4	N	3	bc	2	48	36	0.03
Nairn ...	29.80	47	N	2	o	29.74	-.22	41	38	+	1	N	1	c	1	49	39	-
Aberdeen ...	29.82	40	SSW	1	o	29.76	-.25	38	36	-	1	SW	1	b	1	44	38	0.02
Leith ...	29.91	48	N	3	c	29.86	-.21	42	40	+	2	N	3	bc	*	49	39	-
Shields ...	29.97	45	N	3	g	29.89	-.24	42	40	-	1	NNW	1	b	2	48	41	-
Scarborough ...	30.02	43	SW	2	o	29.90	-.25	43	41	+	1	N	1	b	2	45	42	0.03
York ...	30.08	44	S	2	r	29.93	-.24	44	42	+	1	NNW	2	bc	*	47	41	0.03
Nottingham ...	30.04	44	S	2	o	29.99	-.21	46	44	+	4	NNW	3	c	*	46	41	0.02
Ardrossan ...	29.92	50	N	1	bc	29.91	-.15	45	42	-	1	NNW	2	c	2	50	44	0.04
Greencastle ...	29.93	47	SW	1	o	29.96	-.01	44	41	-	3	N	2	o	*	50	42	0.06
Donaghadee ...	29.98	46	SW	2	c	30.00	-.06	43	42	-	3	NNW	3	bc	2	48	42	0.04
Kingstown ...	30.04	50	NNW	3	o	30.08	-.01	47	44	-	2	NNW	5	o	4	52	45	0.05
Holyhead ...	30.04	48	SSW	1	r	30.04	-.08	46	44	0		NNW	5	o	3	50	46	0.16
Liverpool (Bidston) ...	30.02	46	SSE	1	o	30.01	-.13	44	44	0		N	4	o	1	47	44	0.09
Valencia ...	30.14	50	NW	2	odg	30.20	+.06	46	45	-	5	NW	3	o	3	53	44	0.10
Roche's Point ...	30.11	48	NW	3	bc	30.14	+.02	46	44	-	3	NW	4	bc	3	51	45	-
Pembroke ...	30.07	49	SSW	1	o	30.11	-.03	48	44	0		NW	2	c	2	50	47	0.06
Portishead ...	30.04	44	SSW	1	o	30.05	-.01	44	44	0		N	3	c	3	47	42	0.07
Scilly ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Plymouth ...	30.11	47	Z	0	o	30.11	-.05	46	46	+	2	NW	2	o	*	50	44	0.30
Hurst Castle ...	30.02	46	E	1	f	30.07	-.10	46	46	0		NNW	2	o	2	47	44	0.03
Dover ...	30.02	45	SSW	1	o	30.03	-.15	45	45	+	1	SW	2	o	1	47	43	0.04
London ...	30.07	45	SW	1	m	30.02	-.15	45	45	+	3	N	1	m	*	47	42	0.02
Oxford ...	...	...	...	...	...	30.04	-.15	42	42	0		N	1	m	*	45	41	0.03
Cambridge ...	30.10	42	S	1	o	29.98	-.22	45	44	+	3	N	1	od	*	46	41	0.02
Yarmouth ...	30.09	41	SW	1	f	29.94	-.24	44	44	+	4	N	1	g	1	44	40	0.03
The Helder ...	...	...	...	...	...	29.90	-.30	44	44	+	5	SSW	1	r	*	...	...	0.04
Cape Gris Nez ...	30.13	46	S	1	g	30.04	-.13	46	46	+	5	N	1	g	0	?	41	0.04
Jersey ...	30.17	48	NNW	1	g	30.12	-.05	48	48	0		SW	2	g	1	50	47	0.07
Brest ...	30.16	52	N	2	r	30.13	-.05	50	48	0		N	4	r	3	52	46	0.28
L'Orient ...	30.19	48	NW	1	m	30.13	-.05	48	48	-	2	S	1	m	3	54	45	0.04
Roche fort ...	30.21	48	SSE	1	o	30.12	-.01	46	?	+	1	NE	1	g	3	50	39	-
Biarritz ...	30.26	57	WSW	3	r	30.22	-.06	50	48	-	2	ENE	2	r	3	?	46	0.20
Corunna ...	...	...	...	...	...	30.25	+.03	56	...	+	1	NE	6	op	7	...	...	...
Brussels ...	30.16	53	SSW	2	o	30.04	-.18	36	36	-	2	SW	5	o	*	42	32	0.04
Charleville ...	...	...	...	...	...	30.15	-.05	32	...	-	1	SSE	3	o	*	...	...	...
Paris ...	30.20	34	SE	3	g	30.12	-.11	32	32	-	1	SE	2	m	*	...	...	-
Lyon ...	...	...	...	...	...	30.23	-.07	36	...	-	1	SE	2	g	*	...	...	...
Toulon ...	30.18	43	N	3	bc	30.18	-.01	41	?	-	2	N	1	m	2	52	36	-

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.97	34	32	SSW	2	o	2	Valencia ...	30.11	52	51	NNW	3	bc	3
Thurso	29.79	46	45	SW	2	bc	3	Scilly							
Scarborough ...	30.06	44	44	SW	1	o	2	London	30.15	46	46	S	1	o	*
Greencastle ...	29.95	48	48	S	1	g	*	Roche fort ...	30.15	46	46	SSE	3	o	3
Holyhead	30.05	48	47	E	2	gd	1								

The depression in the NW is advancing in an E4 direction, and the barometer is consequently still falling in the N and E. On our SW coast the mercury is unsteady. The wind is very light and variable.

EXPLANATION OF COLUMNS.

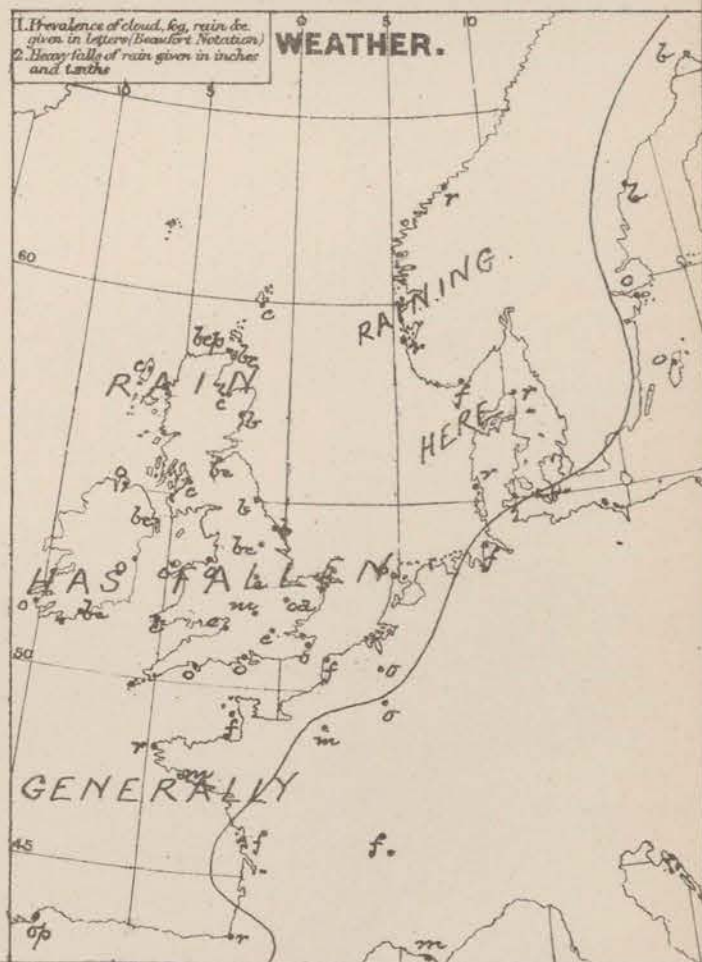
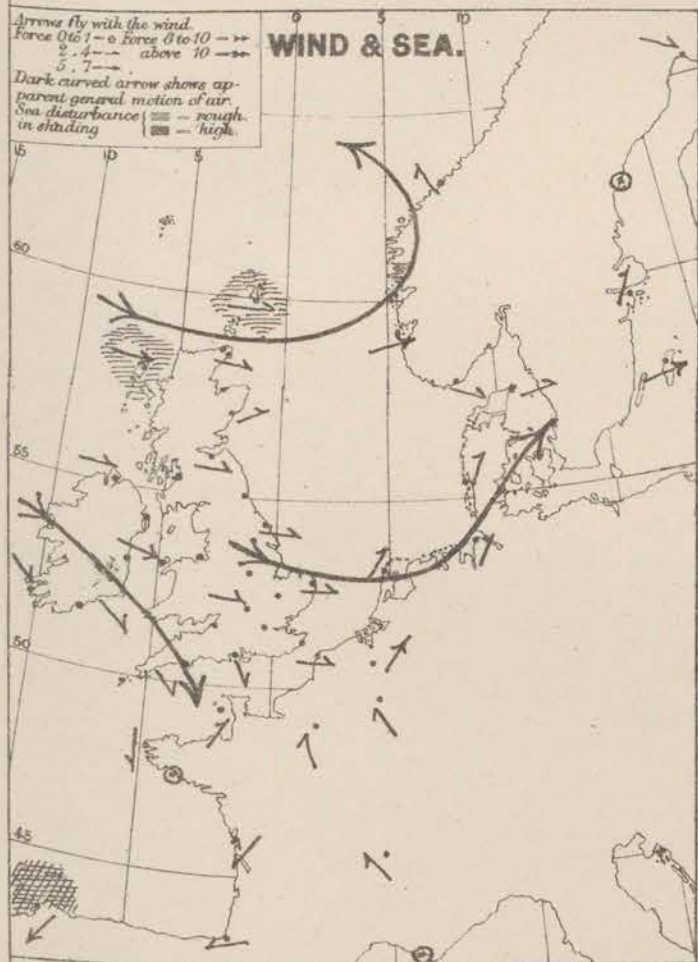
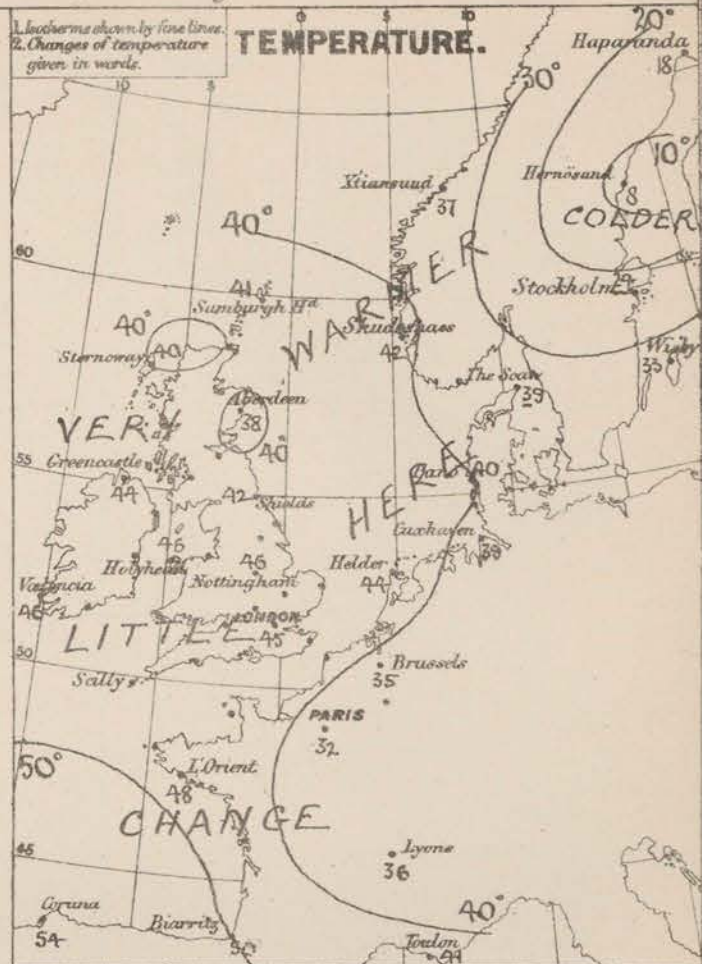
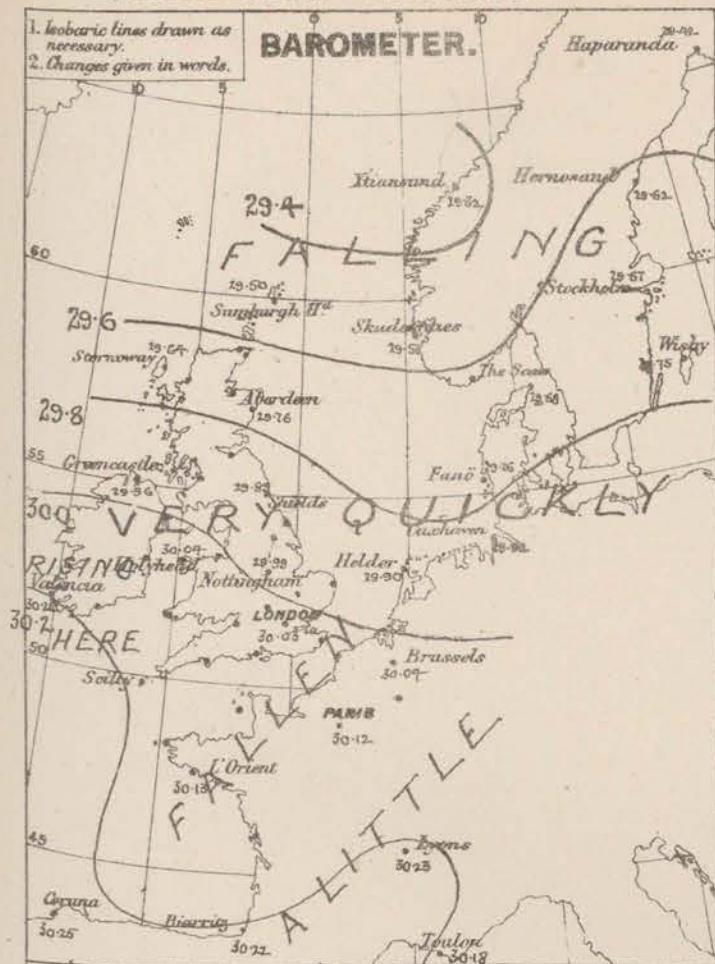
WEATHER.—Beaufort scale is, b. blue sky; o. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 Sunday JAN^y 6th 1877.



REMARKS. Weather is very fine at present on the NE coasts of Great Britain and some parts of the E. of Ireland, but is generally overcast elsewhere, while in Denmark rain is falling. Rain has fallen in almost all parts of the country during the past 24 hours, but the amounts collected at the different stations are small. Temperature has fallen a few degrees in Ireland and the Hebrides, but has risen in Denmark and Norway. It now varies from 38° in the E. of Scotland, to 45° or 46° on an S. coast. The low readings reported from Belgium and the E. of France are very singular. Wind is W.S. or W.N.W. all over our Islands. In most places it is light, but over the Irish Sea and Hebrides it is fresh. In the Bay of Biscay it is N.E., while in Holland it is S.W. Sea is rather rough in the N. slight or smooth elsewhere.

Pharmaceutical Indications.

The centre of a very large depression appears to be advancing towards Norway from the Atlantic. The barometer has fallen 0.7 in. at Lissabon, and 0.5 in. at Loughborough. It rained yesterday morning, and the fall is apparently continuing briskly and spreading. Readings are 0.7 in. higher in the SW. of Ireland than at Loughborough Head.

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

R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT JAN 7th 1878.

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.	Difference from 8 A.M. yesterday.	SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12).				Day.	Wet.	Difference from 8 A.M. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.			
Haparanda ...	29.37	15	Z	0	3	29.44	+ .02	21	21	+ 3	N	2	bc	*	?	10	-		
Hernösand ...	29.42	9	Z	0	3	29.51	- .11	13	13	+ 5	Z	0	bc	*	*	*	-		
Stockholm ...	29.30	33	Z	0	f	29.32	- .38	24	24	0	Z	0	o	*	*	*	-		
Wisby ...	29.44	36	SW	6	f	29.37	- .38	37	35	+ 4	NNH	4	o	*	*	*	0.32		
Christiansund ...	29.30	36	S	2	3	29.41	+ .09	31	30	- 6	SSE	1	3	3	37	28	0.16		
Skudesnaes ...	29.38	40	SW	4	bc	29.34	- .19	26	36	- 6	SE	2	c	3	43	?	0.24		
Oxö (Xtiansand) ...	29.46	39	WSW	4	3	29.34	- .27	24	33	0	NNH	4	c	2	41	32	0.04		
Skagen (The Swan) ...	29.41	39	N	4	3	29.38	- .30	35	33	- 4	WSW	2	c	0	43	30	0.04		
Fanö ...	29.57	38	WSW	1	3	29.39	- .39	37	36	- 3	WSW	2	c	*	41	36	0.04		
Cuxhaven ...	29.75	2	WSW	2	0	29.54	- .38	38	38	- 1	SW	3	c	*	41	34	0.08		
Sumburgh Head ...	29.17	41	WSW	5	c	29.33	- .17	40	38	- 1	NE	4	c	4	42	34	0.10		
Stornoway ...	29.40	37	N	5	5	29.30	- .34	40	39	0	N	5	c	5	40	35	0.58		
Thurso ...	29.35	35	WSW	4	0	29.20	- .43	33	33	- 7	Z	0	c	4	41	32	0.49		
Wick ...	29.34	37	N	3	bc	?	?	33	32	- 5	NNH	2	o	1	40	31	0.05		
Nairn ...	29.47	40	N	1	bc	29.20	- .54	35	34	- 6	N	2	3	1	41	34	0.10		
Aberdeen ...	29.49	39	N	1	3	29.22	- .54	36	34	- 2	Z	0	m	0	43	35	-		
Leith ...	29.60	39	N	4	3	29.28	- .58	36	36	- 6	N	3	bc	*	?	35	-		
Shields ...	29.69	43	NNH	2	c	29.34	- .55	39	37	- 3	N	2	r	2	45	36	0.03		
Scarborough ...	29.74	40	N	2	3	29.40	- .50	35	34	- 8	WSW	3	3	21	45	35	-		
York ...	29.80	41	N	1	3	29.45	- .48	37	36	- 7	SW	2	o	*	50	35	0.01		
Nottingham ...	29.86	40	SW	1	c	29.52	- .47	35	34	- 11	SSW	2	3	*	47	33	-		
Ardrossan ...	29.65	43	NNH	7	79	29.29	- .62	43	41	- 2	NNH	6	bc	4	46	39	0.11		
Greencastle ...	29.75	40	N	4	0	29.44	- .32	42	39	- 2	NNH	3	o	*	45	33	0.44		
Donaghadee ...	29.79	41	N	3	bc	29.44	- .56	38	38	- 5	NNH	5	r	4	45	35	0.10		
Kingstown ...	29.90	44	NNH	5	bc	29.58	- .50	40	38	- 7	NNH	6	c	5	47	38	0.02		
Holyhead ...	29.87	46	N	6	c	29.53	- .51	41	39	- 5	NNH	7	m	5	47	40	0.02		
Liverpool (Bidston) ...	29.83	43	WSW	5	0	29.47	- .54	40	38	- 4	WSW	6	r	2	45	38	0.14		
Valencia ...	30.09	45	NNH	4	bc	29.88	- .32	44	41	- 2	NNH	5	o	6	51	41	0.31		
Roche's Point... ..	29.98	45	NNH	4	0	29.77	- .37	42	40	- 4	NNH	6	c	4	?	40	0.06		
Pembroke ...	29.97	48	NNH	5	0	29.67	- .44	43	40	- 5	NNH	4	bc	4	48	42	0.04		
Portishead ...	29.97	41	WSW	3	c	29.63	- .42	41	39	- 3	WSW	5	bc	3	47	36	0.01		
Seilly ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Plymouth ...	30.04	45	NNH	2	0	29.72	- .39	41	40	- 5	NNH	2	o	*	49	41	0.08		
Hurst Castle ...	29.99	46	NNH	3	c	29.68	- .39	44	43	- 2	NNH	5	c	6	48	42	0.01		
Dover ...	29.94	45	NNH	3	0	29.66	- .37	39	38	- 6	WSW	3	3	2	48	38	-		
London ...	29.94	46	NNH	2	0	29.64	- .39	38	37	- 7	WSW	3	bc	*	48	38	-		
Oxford ...	...	...	...	...	...	29.61	- .43	38	37	- 4	WSW	1	bc	*	47	38	-
Cambridge ...	29.88	44	N	1	0	29.56	- .42	36	36	- 9	SW	1	3	*	47	35	-		
Yarmouth ...	29.84	43	N	2	0	29.53	- .41	38	36	- 6	N	2	bc	2	46	36	-		
The Helder ...	...	...	...	...	...	29.53	- .37	42	40	- 2	WSW	3	c	*	*	*	0.04
Cape Gris Nez ...	29.93	46	WSW	4	0	29.69	- .35	43	41	- 3	N	6	bc	5	48	43	-		
Jersey ...	30.10	47	NNH	2	c	29.84	- .28	44	42	- 4	N	5	bc	4	?	43	-		
Brest ...	30.16	52	NNH	5	0	29.94	- .19	46	45	- 4	NNH	4	o	4	52	43	0.04		
L'Orient ...	30.14	48	N	2	0	29.95	- .18	45	45	- 3	NNH	3	r	4	52	43	0.08		
Rochefort ...	30.13	50	N	1	f	30.00	- .12	48	48	+ 4	NNH	2	o	3	?	41	-		
Biarritz ...	30.18	50	SSW	2	r	30.21	- .01	50	48	0	SSW	3	r	3	?	46	0.28		
Corunna ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Brussels ...	...	...	...	...	...	29.69	- .35	42	...	+ 7	SW	5	o	*	...	...	0.04
Charleville ...	...	...	...	...	...	29.79	- .36	40	...	+ 8	SE	6	r	*	...	...	...
Paris ...	30.05	39	SE	2	m	29.83	- .29	43	41	+ 11	SW	3	r	*	...	...	0.28
Lyons ...	...	...	...	...	...	30.15	- .08	52	...	- 4	SW	2	f	*	...	...	...
Toulon ...	30.13	46	Z	0	m	30.11	- .07	45	41	+ 4	SW	2	o	3	50	41	-		
YESTERDAY'S 2 P.M. REPORTS AND REMARKS.																			
	Bar.	Dry.	Wet.	Wind.		Wet.	Sea.		Bar.	Dry.	Wet.	Wind.		Wet.	Sea.				
Skudesnaes ...	29.44	40	38	WSW		4	0	4	Valencia ...										
Thurso									Seilly										
Scarborough ...									London							*			
Greencastle ...								*	Rochefort ...	30.12	48	48	E	1	f	3			
Holyhead																			

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

Bar.	Dry.	Wet.	Wind.	Wet.	Sea.	Bar.	Dry.	Wet.	Wind.	Wet.	Sea.
Skudesnaes ...	29.44	40	38	WSW	4	0	4	Valencia ...	...	...	...
Thurso	Seilly ...	...	...	...
Scarborough	London ...	...	...	...
Greencastle	*	...	Rochefort ...	30.12	48	48
Holyhead	E	1	f	3

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.

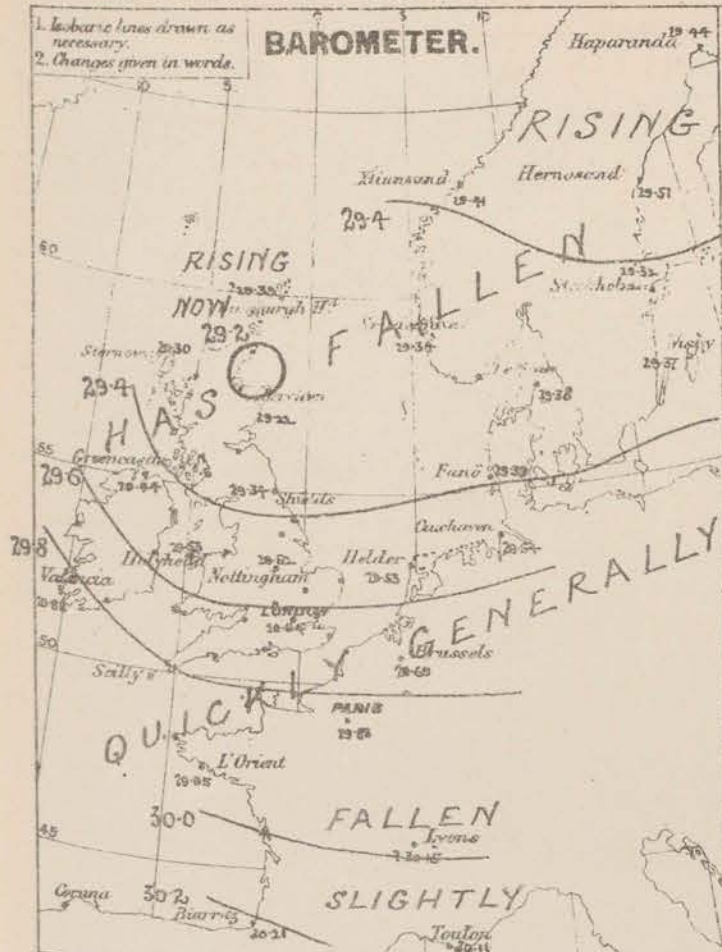
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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 Monday JANUARY 7th 1878

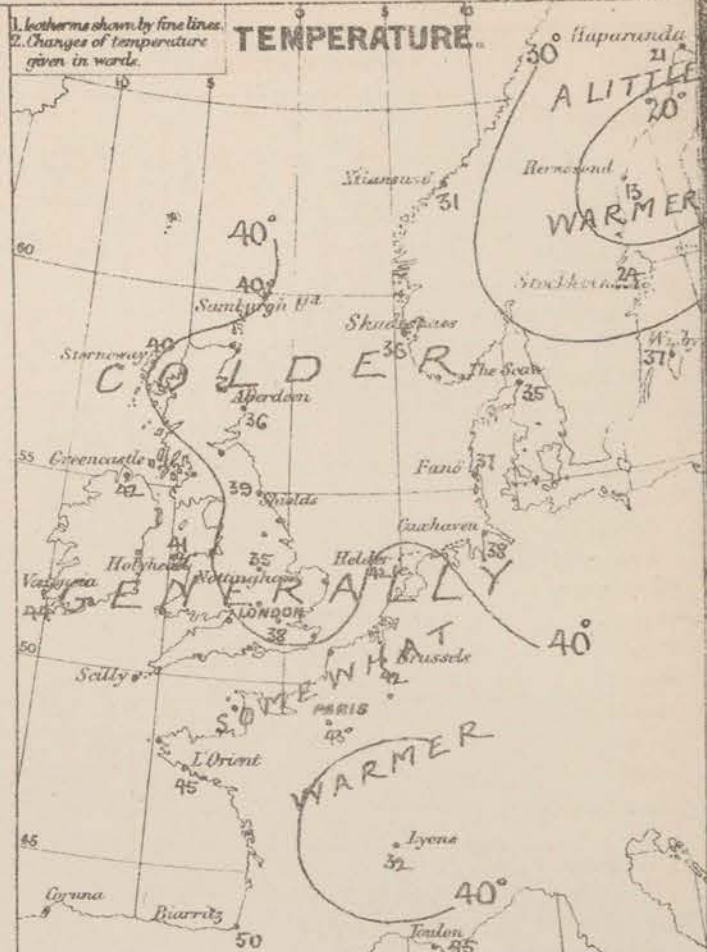
1. Isobars lines drawn as necessary.
2. Changes given in words.

BAROMETER.



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

TEMPERATURE.



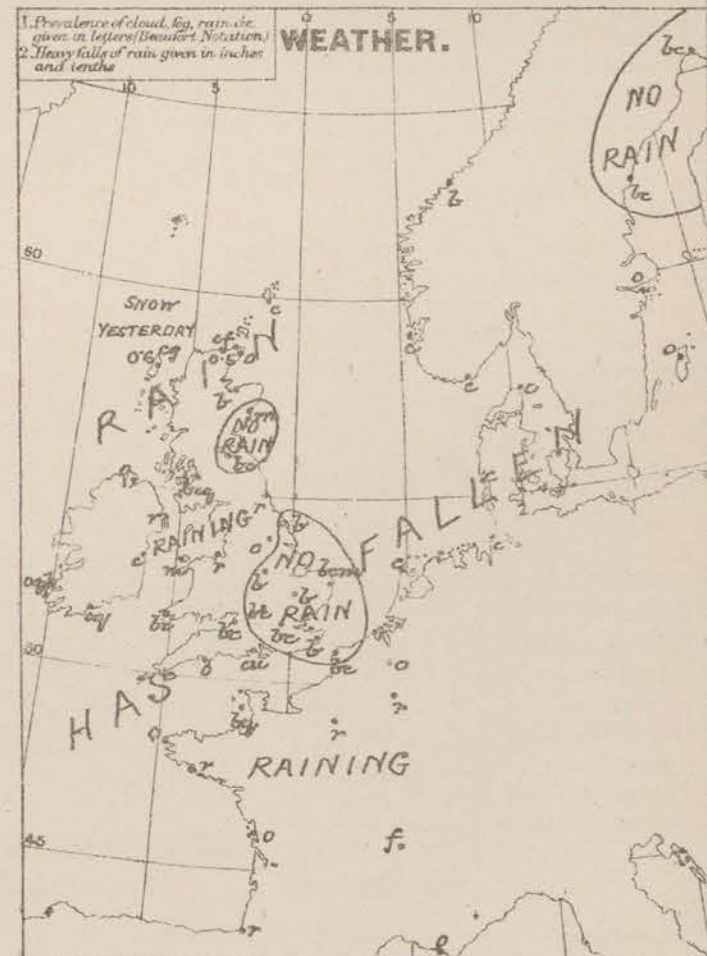
Arrows fly with the wind.
Force 0 to 10 - 0 to 10 - 10
2, 4, 6, 8, 10 - 10
Dark curved arrow shows apparent general motion of air.
Sea disturbance - rough in shading - high

WIND & SEA.



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

WEATHER.



REMARKS. Weather is still moderately fine over the greater part of the United Kingdom, but equally on our west and north-west coasts, and showing in several places. A considerable fall of snow has taken place in the extreme N. of Scotland, yielding half an inch of water when melted, and cold showers have occurred on our N and W. coasts generally. Temperature has fallen everywhere, in many parts of the Kingdom the change varies from 5° to 10°. Winds is moderate from NE or N in the extreme N. of Scotland, strong from NW at the W. stations, fresh W. in the Channel, and moderate WSW in the SE. In the Bay of Biscay it is moderate from NW. A slight gale from NW is reported on the Welsh coast, sea is rough or rather so, on our N. W. and S. coasts.

Barometrical indications. The centre of a well marked depression now lies over the Urray Firth, and rather steep gradients for NW winds have been formed over our W. and NW coasts. Elsewhere the gradients are lighter. The depression seems to be moving in a SE. direction, and the barometer is already rising in Scandinavia, and the Shetland Isles.

Warnings. The following was sent to our NW, N. and NE. coasts yesterday. Barometer falling briskly in north, wind coming N. and rising. Adversary. Moist north breeze. Sunday 7.20 pm.

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Secretary

DAILY WEATHER REPORT

JAN 8TH

1878.

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 8 a.m. 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 ...	29.56	21	Z	0	0	29.58	+ .14	19	19	- 2	Z	0	0	*	27	18	-	
Hernösand ...	29.69	18	N	2	0	29.68	+ .14	10	9	- 3	SH	2	3	*	*	*	-	
Stockholm ...	29.45	28	N	4	5	29.58	+ .26	25	25	+ 1	NNH	4	5	*	*	*	0.08	
Wisby ...	29.43	32	NH	4	0	29.46	+ .09	34	33	- 3	NHE	6	5	*	*	*	0.04	
Christiansund ...	29.70	33	ENE	2	6	29.91	+ .50	29	27	- 2	N	4	3	4	36	28	0.12	
Skudesnaes ...	29.58	33	Z	0	6	29.82	+ .48	32	28	- 4	NNH	6	3	3	36	32	-	
Oxö (Ålön) ...	29.57	30	NNE	4	0	29.75	+ .41	29	27	- 5	N	4	5	2	34	25	-	
Skagen (The Seaw)	29.52	32	NNE	2	0	29.70	+ .32	31	29	- 4	NE	4	3	3	37	28	-	
Fanö ...	29.57	35	Z	0	6	29.67	+ .28	32	31	- 5	N	2	5	*	37	30	-	
Cuxhaven ...	29.53	37	SH	1	7	29.65	+ .11	34	34	- 4	SE	1	8	*	37	34	0.02	
Sumburgh Head	29.76	39	NNE	5	60	30.13	+ .60	36	34	- 4	N	5	5	5	43	34	0.06	
Stornoway	29.84	40	NNE	5	70	30.26	+ .96	38	36	- 2	NNE	4	5	5	43	36	0.13	
Thurso ...	29.75	43	NE	5	6	30.17	+ .97	40	38	+ 7	ENE	6	5	5	44	30	0.07	
Wick ...	29.72	40	NE	4	5	30.16	+ .95	38	36	+ 5	NNH	3	5	3	43	32	0.11	
Nairn ...	29.72	40	NE	4	60	30.15	+ .95	40	38	+ 5	NE	6	5	5	42	35	0.10	
Aberdeen ...	29.63	38	N	2	6	30.04	+ .82	38	37	+ 2	N	4	5	4	39	35	0.21	
Leith ...	29.60	38	NE	4	7	30.06	+ .78	39	38	+ 3	NE	4	5	4	41	35	0.12	
Shields ...	29.44	38	ENE	4	5	29.93	+ .59	43	39	+ 4	NE	6	5	5	43	36	0.20	
Scarborough ...	29.43	41	NNH	2	0	29.86	+ .46	42	39	+ 7	NE	5	5	5	42	35	0.08	
York ...	29.44	35	SSE	1	6	29.88	+ .43	38	37	+ 1	N	2	5	*	42	34	0.12	
Nottingham ...	29.43	37	Z	0	0	29.86	+ .34	36	35	+ 1	N	2	5	*	41	34	0.11	
Ardrossan ...	29.62	39	N	2	60	30.08	+ .79	40	36	- 3	NNE	2	5	1	43	38	-	
Greencastle ...	29.62	44	N	4	0	30.12	+ .68	41	37	- 1	NNE	3	5	*	45	39	0.18	
Donaghadee ...	29.59	41	NNE	7	60	30.08	+ .64	41	39	+ 3	NNE	7	5	5	44	38	0.10	
Kingstown ...	29.58	41	NNH	6	5	30.04	+ .46	41	39	+ 1	NNH	5	5	5	45	38	0.13	
Holyhead ...	29.44	42	NNH	6	5	29.95	+ .42	42	40	+ 1	NNE	6	5	5	45	40	0.02	
Liverpool (Bidston)	29.41	38	NNE	2	5	29.92	+ .45	39	38	- 1	N	3	5	1	42	36	0.08	
Valencia ...	29.87	46	NNH	4	5	30.16	+ .28	44	41	0	NE	5	5	4	48	41	0.10	
Roche's Point...	29.72	43	NNH	6	60	30.06	+ .29	40	38	- 2	N	5	5	4	46	38	-	
Pembroke ...	29.49	44	NNH	5	60	29.91	+ .24	41	38	- 2	NNE	3	5	2	45	37	0.08	
Portishead ...	29.45	41	NNH	2	60	29.78	+ .15	38	37	- 3	NNH	6	5	6	44	35	0.21	
Scilly ...	29.56	41	NNH	3	0	29.80	+ .08	40	38	- 1	N	3	5	*	37	38	0.12	
Plymouth ...	29.50	42	NNH	4	60	29.72	+ .04	40	39	- 4	NNE	4	5	4	44	38	0.06	
Hurst Castle ...	29.47	40	NNH	3	60	29.63	- .03	38	37	- 1	NNE	4	5	2	44	36	0.02	
Dover ...	29.46	41	NNH	3	5	29.71	+ .07	36	35	- 2	NNE	3	5	*	44	35	0.01	
London ...	29.46	41	NNH	3	5	29.71	+ .07	36	35	- 2	NNE	3	5	*	44	35	0.01	
Oxford ...	29.42	40	SH	1	7	29.75	+ .19	37	37	+ 1	N	2	5	*	44	34	0.07	
Cambridge ...	29.45	38	NNH	1	70	29.68	+ .15	39	38	+ 1	NNE	5	5	4	41	36	0.19	
Yarmouth ...	29.45	38	NNH	1	70	29.68	+ .15	39	38	+ 1	NNE	5	5	4	41	36	0.19	
The Helder ...	29.45	38	NNH	1	70	29.68	+ .15	39	38	+ 1	NNE	5	5	4	41	36	0.19	
Cape Gris Nez	29.50	37	NNH	4	60	29.62	- .07	37	37	- 6	NE	3	5	2	45	37	0.20	
Jersey ...	29.62	43	NNH	5	60	29.65	- .19	38	38	- 6	NE	6	5	5	47	37	0.35	
Brest ...	29.76	48	NNH	5	0	29.73	- .21	41	39	- 5	N	4	5	5	48	37	0.28	
L'Orient ...	29.73	43	NNH	5	7	29.74	- .21	39	37	- 6	NNH	6	5	4	50	36	0.12	
Rochefort ...	29.78	50	NNH	5	7	29.63	- .37	45	43	- 5	NNH	4	5	3	52	43	0.20	
Biarritz ...	29.96	?	NNH	4	7	29.87	- .34	50	45	0	NNH	6	5	3	54	43	0.35	
Corunna ...	29.52	40	SH	1	0	29.58	- .11	37	36	- 5	SH	3	5	4	43	33	0.08	
Brussels ...	29.52	40	SH	1	0	29.58	- .11	37	36	- 5	SH	3	5	4	43	33	0.08	
Charleville ...	29.52	40	SH	1	0	29.58	- .11	37	36	- 5	SH	3	5	4	43	33	0.08	
Paris ...	29.59	43	SH	3	7	29.59	- .24	35	35	- 8	N	1	5	*	*	*	-	
Lyons ...	29.59	43	SH	3	7	29.59	- .24	35	35	- 8	N	1	5	*	*	*	-	
Toulon ...	29.97	46	SSH	4	7	29.73	- .35	45	41	0	N	3	5	3	?	?	0.87	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	
Skudesnaes ...	29.47	35	33	NNE	2	6	Valencia ...	29.87	45	42	NNH	5	60, 70	6
Thurso	29.56	43	41	NE	4	60	Scilly							
Scarborough ...	29.35	40	38	NNH	1	0	London	29.49	44	41	N	3	0	*
Greencastle ...	29.44	44	41	NNE	4	0	Rochefort ...	29.84	50	48	NNH	4	0	3
Holyhead	29.42	44	41	NNH	7	0								

The depression noticed this morning is moving in a S.E. direction, and is now over the N.E. of England. Gradients for N.W. winds are becoming very steep off our S.W. coasts. Warnings, extended to our S.W. coasts this afternoon.

EXPLANATION OF COLUMNS.

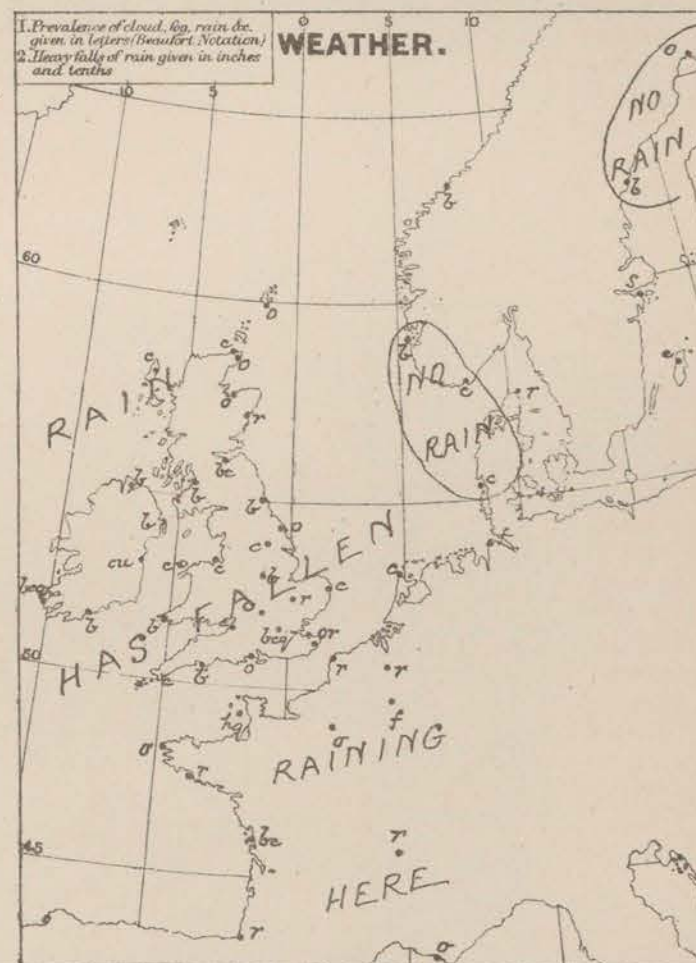
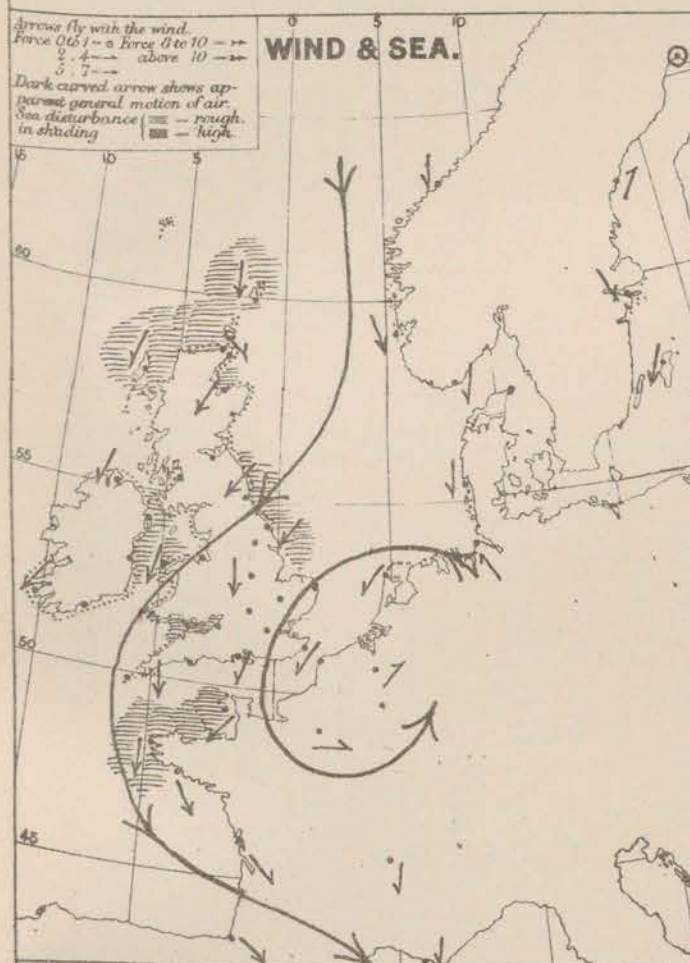
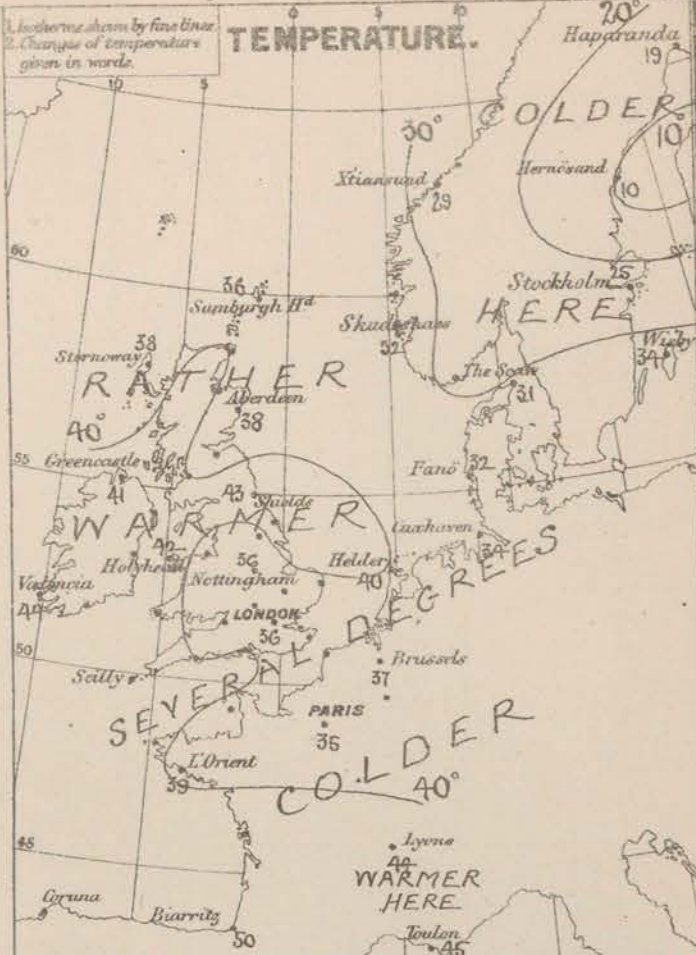
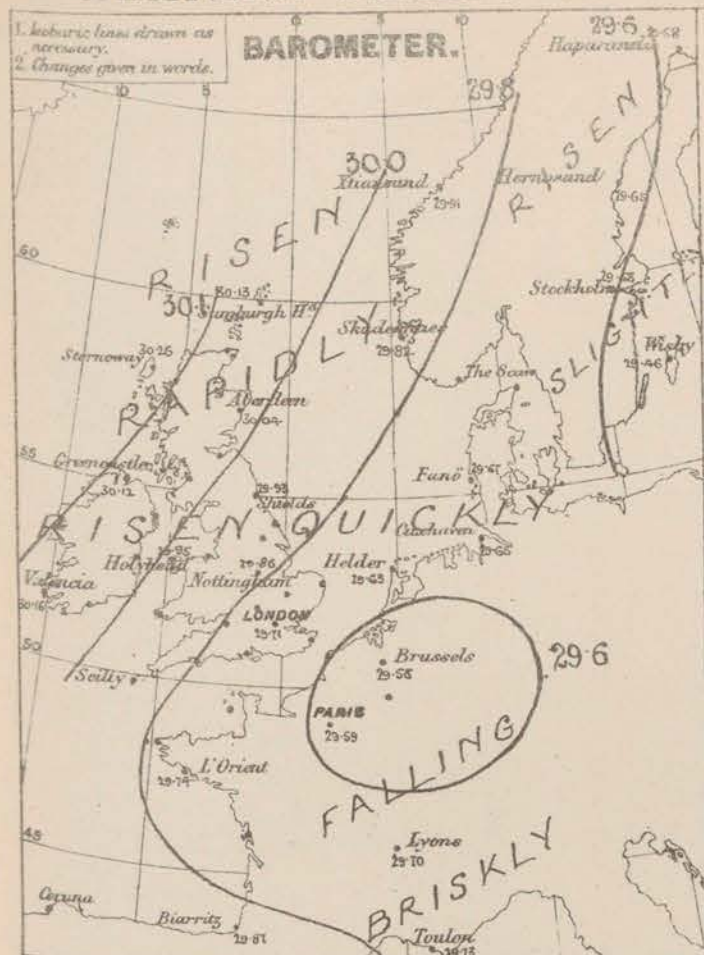
WEATHER.—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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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 Tuesday JAN^y 8th 1878.



A dotted line is drawn round the coast where the signals are still up.

REMARKS. Weather is now fine over nearly the whole of the British Isles, and in most places the sky is clear. At Dover, however, and in Belgium rain is falling, as well as in many parts of France, hail at Jersey. Showers of rain fall in nearly all parts of our Islands yesterday with hail and snow on our NE. and some of our W. coasts. Lightning was seen at Penzance during the night. Temperature has fallen several degrees at the French, Belgian and N. German stations, and also in Scandinavia, but has risen slightly in the NE. of our Islands. The latter regions present the somewhat singular phenomenon of a NE. wind, coming in with a rather higher temperature than the W. wind which precedes it. This is NE. to N. all over the United Kingdom, and NW. in the Bay of Biscay, where in Belgium, and the NE. of France it is SW. The NE. to NW. winds are fresh to strong in force, and during the past night they blew a gale at several of our N. and W. stations. Sea is rough, or rather so, on all but our extreme W. coasts. Barometrical Indication. The depression noticed over the Norway Firth yesterday has reached Belgium, and there appears to be a secondary disturbance over France. The barometer has risen rapidly in our Islands, especially in the N. where the change in the 24 hours amounts to nearly an inch, and gradients for NE. winds prevail generally. In France (and especially the new S. Departments) the mercury is falling fast. Warnings extended to our SW. coasts yesterday.

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

R. H. SCOTT.
Secretary

DAILY WEATHER REPORT JAN^y 9th 1878.

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.	Sec. (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 ...	29.61	18	NW	4	δ	29.70	+ .12	7	7	- 12	Z	0	0	*	19	3	-	
Hernösand ...	29.73	21	NW	4	δ	29.79	+ .14	15	15	+ 5	NNW	2	δ	*	*	*	-	
Stockholm ...	29.64	19	NW	4	δ	29.70	+ .12	16	16	- 9	NW	6	δ	*	*	*	-	
Wisby ...	29.63	27	NNE	6	0	29.69	+ .23	28	27	- 6	NNE	8	0	*	*	*	0.12	
Christiansund ...	30.02	29	NNE	2	c	30.01	+ .10	33	31	+ 4	NW	5	c	5	?	27	0.08	
Skudesnaes ...	30.04	31	NNE	2	δ	30.09	+ .27	28	26	- 4	NNW	2	δc	2	32	?	-	
Oxö (Xtiansand) ...	29.96	30	NNW	4	δ	29.99	+ .24	23	21	- 6	NNW	4	δ	2	30	27	-	
Skagen (The Seaw) ...	29.89	31	NE	6	δ	29.98	+ .28	30	28	- 1	NE	5	δ	5	32	27	-	
Fanö ...	29.90	28	NNE	4	δ	30.02	+ .35	28	26	- 4	NNE	2	c	*	32	25	-	
Cuxhaven ...	29.71	*	NE	4	δ	29.97	+ .32	30	29	- 4	NNE	4	δ	*	?	28	-	
Sumburgh Head ...	30.24	35	NNE	4	0	30.19	+ .06	40	38	+ 4	N	5	?	4	40	32	0.04	
Stornoway ...	30.36	37	NNE	4	0	30.40	+ .14	35	33	- 3	NNW	2	c	4	38	33	0.01	
Thurso ...	30.27	40	N	5	0	30.31	+ .14	38	38	- 2	NW	4	?	4	41	27	0.02	
Wick ...	30.30	37	NE	4	0	30.32	+ .16	35	34	- 3	N	3	0	2	40	32	-	
Nairn ...	30.30	38	NE	3	c	30.36	+ .21	37	35	- 3	NE	3	0	2	40	36	-	
Aberdeen ...	30.20	39	N	3	0	30.28	+ .24	36	34	- 2	N	3	0	δ	39	35	0.01	
Leith ...	30.23	40	NNE	4	c	30.35	+ .29	38	37	- 1	NNE	1	0	*	42	36	-	
Shields ...	30.11	40	NE	7	0	30.28	+ .35	37	35	- 6	NE	4	?	6	43	35	0.10	
Scarborough ...	30.03	41	NNE	6	0	30.20	+ .34	40	38	- 2	NNE	4	0	4	43	36	0.09	
York ...	30.04	39	N	6	0	30.25	+ .37	34	34	- 4	N	2	δ	*	43	33	0.12	
Nottingham ...	30.04	36	N	6	δ	30.25	+ .39	35	35	- 1	NNW	3	δc	*	42	34	0.05	
Ardrossan ...	30.26	39	NNE	2	c	30.36	+ .28	36	33	- 4	N	2	δc	1	43	36	-	
Greencastle ...	30.27	41	NE	2	0	30.42	+ .30	40	35	- 1	NNE	1	0	*	45	38	-	
Donaghadee ...	30.27	41	NNE	6	δ	30.37	+ .29	40	36	- 1	NE	5	δc	4	46	39	-	
Kingstown ...	30.25	43	N	5	0	30.38	+ .34	40	36	- 1	N	5	0	4	44	38	-	
Holyhead ...	30.17	43	NNE	7	c	30.31	+ .36	40	38	- 2	NNE	5	δc	3	44	40	-	
Liverpool (Bidston) ...	30.14	39	NNE	2	c	30.30	+ .38	36	34	- 3	N	2	δ	1	42	35	-	
Valencia ...	30.33	41	NE	3	δ	30.42	+ .26	39	35	- 5	NE	3	δc	3	47	37	-	
Roche's Point ...	30.22	39	NNE	5	δ	30.35	+ .29	38	35	- 2	NNE	4	δ	3	46	36	-	
Pembroke ...	30.12	42	NNE	3	δ	30.29	+ .38	39	37	- 2	NE	2	c	2	45	37	0.01	
Portishead ...	29.98	37	NNW	6	?	30.20	+ .42	37	35	- 1	NNW	4	c	4	43	34	0.07	
Seilly ...	30.04	41	NNE	3	δ	30.22	+ .42	37	35	- 3	NNE	3	0	*	45	35	-	
Plymouth ...	30.04	41	NNE	5	δ	30.13	+ .41	37	36	- 3	NNE	5	?	5	42	34	0.07	
Hurst Castle ...	29.91	39	N	6	δ	30.08	+ .45	35	34	- 3	N	4	gfs	2	41	34	0.38	
Dover ...	29.83	39	N	6	δ	30.08	+ .45	35	34	- 3	N	4	gfs	2	41	34	0.38	
London ...	29.91	40	NNE	4	δc	30.14	+ .43	35	34	- 1	NNE	3	δc	2	42	35	0.02	
Oxford ...	*	*	*	*	*	30.19	+ .42	34	33	- 3	N	1	δc	*	41	34	0.03	
Cambridge ...	29.90	36	N	3	0	30.15	+ .40	35	34	- 2	N	1	0	*	42	31	0.07	
Yarmouth ...	29.86	39	NE	5	c	30.09	+ .41	37	35	- 2	NNE	5	gfs	4	41	33	0.04	
The Helder ...	*	*	*	*	*	30.04	+ .41	36	32	- 4	NNE	3	c	*	*	*	-	
Cape Gris Nez ...	29.78	36	NE	5	?	30.00	+ .38	37	34	0	NE	6	0	5	45	34	0.35	
Jersey ...	29.91	43	NE	6	δc	30.12	+ .47	39	36	+ 1	NE	5	δc	5	43	37	0.09	
Brest ...	30.01	46	NNE	4	?	30.14	+ .41	41	37	0	NE	4	0	3	?	39	-	
L'Orient ...	29.96	39	NNE	5	c	30.12	+ .38	37	36	- 2	NNE	4	c	4	45	36	-	
Roche fort ...	29.80	30	NNE	5	δc	29.97	+ .34	37	37	- 8	NE	5	δc	3	54	?	-	
Biarritz ...	29.89	35	NNW	6	?	30.01	+ .14	37	36	- 13	SSE	2	c	4	?	36	0.43	
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Brussels ...	*	*	*	*	*	30.01	+ .43	31	30	- 6	NE	6	δ	*	42	31	0.32	
Charleville ...	*	*	*	*	*	29.79	+ .26	32	*	- 4	NNE	6	δ	*	*	*	*	
Paris ...	29.73	39	N	1	0	29.94	+ .35	34	32	- 1	NNE	4	0	*	*	*	-	
Lyons ...	*	*	*	*	*	29.78	+ .08	43	*	- 1	NE	2	0	*	*	*	*	
Toulon ...	29.69	41	NW	5	δ	29.62	- .11	36	34	- 9	N	8	δ	7	46	?	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	
Skudesnaes ...	29.95	31	28	N	2	δ	Valencia ...	30.26	44	40	Z	0	δc	4
Thurso	30.25	40	37	N	5	0	Seilly							
Scarborough ...	29.94	42	39	NNE	5	0	London	29.80	44	40	NNE	3	c	*
Greencastle ...	30.23	44	40	NE	2	δ	Roche fort ...	29.63	45	41	N	5	c	4
Holyhead	30.18	44	40	NNE	7	c								

The barometer still rises all over the Kingdom - most in the N. The wind has increased to a fresh gale at Shields, and a moderate gale at Holyhead, and showery weather is general.

EXPLANATION OF COLUMNS.

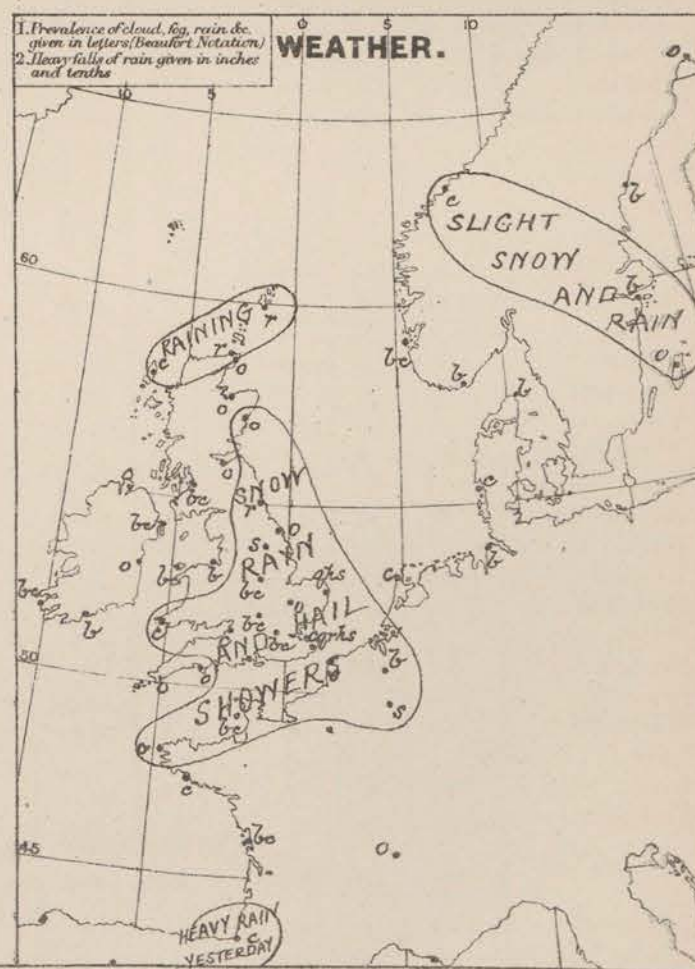
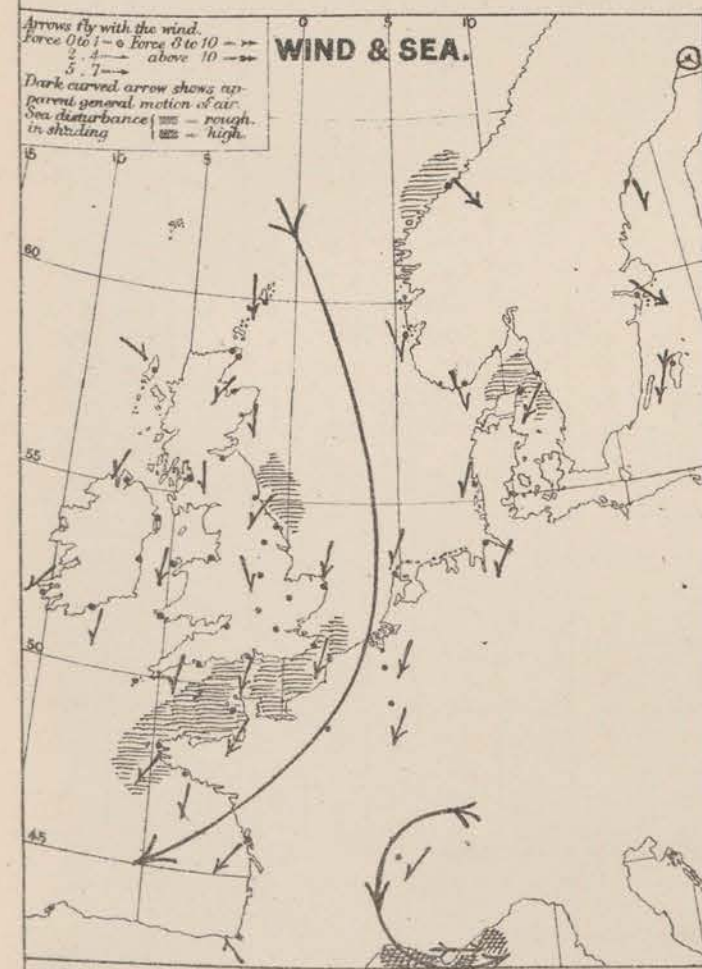
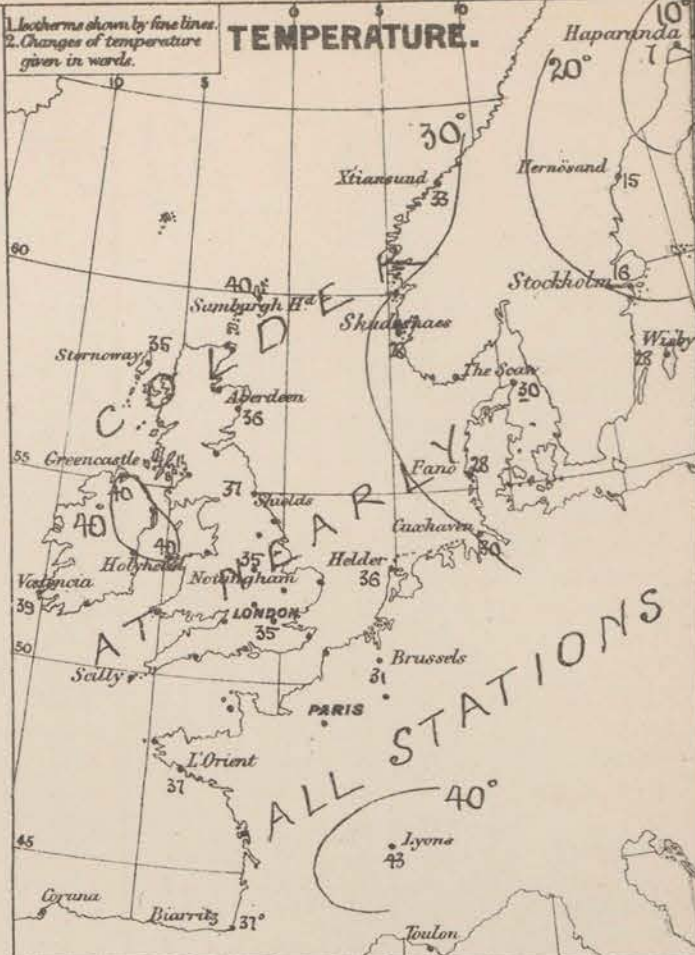
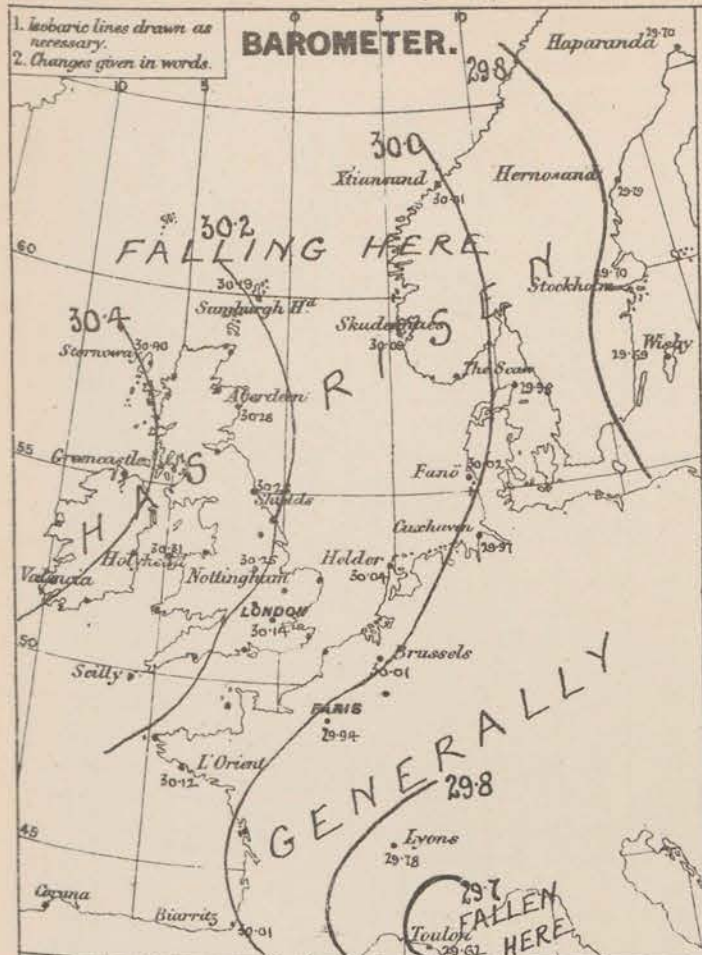
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 Jan'y 9th 1878



REMARKS. Weather is at present fair over the greater part of our Islands, but heavy squalls of hail, snow and cold rain are reported over SE. coasts. Snow and hail fell at all our Eth and NEth stations yesterday, but the quantities were small. In the west the weather was dry. Temperature has again fallen in almost all places, especially over Freetown and the Gulf of Bothnia, but is inclined to rise at E. stations. At the parallels the reading this morning is 70° F. In our Islands readings vary from 75° to 80° - being about 2° to 4° below the average. Wind is moderate to fresh from the NEth in our Islands, and rather stronger from the same quarters in Freetown, but has backed to the NWth in the extreme N. It blew a strong gale from NE. at the mouth of the Lyne yesterday, and a moderate gale in the Irish Sea. In London it freshened considerably from NNE last night. Sea is moderate in the N and E, rather rough in the Channel, slight in the W.

Barometrical Indications. The depression noticed yesterday has disappeared from our neighbourhood, and a further rise of the barometer has occurred generally. In the far N. however, there are the first signs of a new series of disturbances approaching us from the NWth in the fall of the mercury at Cromburgh Head and E. of our sound, reported this morning.

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Secretary

DAILY WEATHER REPORT JAN. 10TH 1878.

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 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirco.	Force (0 to 12).			Max.	Min.		
Haparanda ...	29.76	3	Z	0	δ	30.04	+ .34	4	3	- 3	SE	2	0	*	7	- 8	-	
Hernösand ...	29.94	8	Z	0	δ	30.14	+ .35	17	17	+ 2	NN	2	0	*	*	*	-	
Stockholm ...	29.73	16	NNW	4	S	29.93	+ .23	10	10	- 6	N	2	δ	*	*	*	0.08	
Wisby ...	29.69	26	N	9	S	29.77	+ .08	21	19	- 7	NE	8	0	*	*	*	0.08	
Christiansund ...	30.07	31	NE	4	δc	30.23	+ .22	28	26	- 5	SE	1	δ	3	34	?	0.24	
Skudesnaes ...	30.07	31	NNE	2	δ	30.22	+ .13	27	25	- 1	ENE	2	δ	1	?	?	-	
Oxö (Kristiansand) ...	30.01	24	N	4	δ	30.19	+ .10	23	22	0	NNW	4	δ	2	27	19	-	
Skagen (The Sæw) ...	29.95	34	N	4	c	30.10	+ .12	30	27	0	NNE	5	δc	4	34	23	-	
Fanö ...	30.01	29	Z	0	c	30.14	+ .12	25	23	- 3	NNE	2	δ	*	30	23	-	
Cuxhaven ...	30.03	2	NE	4	c	30.06	+ .09	30	29	0	NE	3	δ	*	30	28	-	
Sumburgh Head ...	30.21	39	NNW	2	δc	30.28	+ .09	37	36	- 3	NNE	1	c	2	41	35	0.08	
Stornoway ...	30.37	32	NNW	2	δ	30.30	- .10	32	31	- 3	N	1	δ	2	37	30	0.02	
Thurso ...	30.28	40	NN	3	δ	30.31	00	42	42	+ 4	NNW	2	ff	3	42	32	0.13	
Wick ...	?	?	NNW	3	δc	30.31	- .01	39	39	+ 4	NN	1	f	0	41	33	0.18	
Nairn ...	30.34	32	Z	0	δ	30.33	- .03	33	32	- 4	Z	0	δ	1	37	32	-	
Aberdeen ...	30.25	38	NNW	3	δ	30.28	00	36	34	0	NNW	3	δ	2	39	36	-	
Leith ...	30.35	37	W	2	δc	30.34	- .01	30	29	- 8	N	1	δm	*	40	29	-	
Shields ...	30.30	36	N	3	c	30.33	+ .05	33	30	- 4	NN	2	δ	4	37	32	0.05	
Scarborough ...	30.25	40	NNE	3	0	30.28	+ .08	38	37	- 2	NNW	2	0	3	41	36	0.09	
York ...	30.38	35	N	3	δ	30.32	+ .07	34	32	0	N	2	δc	*	37	33	0.08	
Nottingham ...	30.30	37	N	3	0	30.33	+ .08	37	34	+ 2	NNW	2	0	*	39	33	-	
Ardrossan ...	30.36	31	N	1	δ	30.37	+ .01	27	?	- 9	NE	1	δf	0	41	26	-	
Greencastle ...	30.37	37	N	1	0	30.35	- .07	34	33	- 6	NNW	1	0	*	41	32	0.04	
Donaghadee ...	30.39	40	N	2	δc	30.37	00	35	35	- 5	N	2	c	1	41	35	0.04	
Kingstown ...	30.40	40	NNW	5	f	30.42	+ .04	39	35	- 1	NN	4	0	3	40	37	-	
Holyhead ...	30.35	41	NNE	4	c	30.36	+ .05	41	37	+ 1	NNW	3	r	2	42	39	-	
Liverpool (Bidston) ...	30.35	35	N	1	δ	30.36	+ .06	36	35	0	NN	1	δ	1	39	34	-	
Valencia ...	30.43	34	NE	2	δ	30.42	00	35	33	- 4	NE	1	0	1	42	30	-	
Roche's Point ...	30.41	38	NNE	3	δ	30.42	+ .07	32	30	- 6	NNE	2	δf	2	41	30	-	
Pembroke ...	30.37	39	NE	1	δc	30.39	+ .10	39	39	0	Z	0	0	1	43	35	-	
Portishead ...	30.29	38	N	3	0	30.35	+ .15	33	31	- 4	NNW	2	δ	2	41	29	-	
Scilly ...																		
Plymouth ...	30.31	37	NNE	2	0	30.36	+ .14	33	32	- 4	NNE	3	c	*	42	32	-	
Hurst Castle ...	30.24	37	NNE	3	m	30.30	+ .17	34	33	- 3	N	4	c	4	40	36	-	
Dover ...	30.20	33	NE	3	δc	30.21	+ .13	36	35	+ 1	NNW	4	c	2	37	35	0.27	
London ...	30.25	38	N	3	δc	30.27	+ .13	36	34	+ 1	NNW	2	ffs	*	40	34	-	
Oxford ...	*	*	*	*	*	30.32	+ .13	34	32	0	NN	1	ff	*	40	32	0.01	
Cambridge ...	30.24	35	NNW	1	0	30.26	+ .11	35	34	0	N	1	c	*	43	33	-	
Yarmouth ...	30.18	37	NNW	2	δc	30.19	+ .10	38	37	+ 1	NNW	3	δc	3	39	33	0.09	
The Helder ...	*	*	*	*	*	30.09	+ .05	36	35	0	N	1	c	*	*	*	-	
Cape Gris Nez ...	30.08	32	Z	0	c	30.20	+ .20	37	37	0	N	5	c	4	37	30	0.12	
Jersey ...	30.24	40	NE	3	δc	30.34	+ .22	40	37	+ 1	NNE	2	cm	2	40	37	-	
Brest ...	30.25	?	NE	2	0	30.34	+ .20	39	36	- 2	NE	1	0	2	43	31	-	
L'Orient ...	30.24	37	NE	3	0	30.34	+ .22	37	36	0	NE	2	0	3	41	32	-	
Rochefort ...	30.18	41	NNE	5	δc	30.34	+ .37	30	28	- 7	NE	5	δ	3	45	?	-	
Biarritz ...	30.11	?	N	2	f	30.29	+ .28	28	25	- 9	ENE	2	0	4	46	27	0.28	
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	30.15	+ .14	29	29	- 2	SH	4	0	*	32	30	0.04	
Charleville ...	*	*	*	*	*	30.15	+ .16	23	20	- 9	E	3	08	*	*	*	*	
Paris ...	30.14	31	N	4	δ	30.27	+ .33	28	?	- 6	NN	1	0	*	*	*	?	
Lyons ...	*	*	*	*	*	30.14	+ .36	34	*	- 9	N	6	c	*	*	*	*	
Toulon ...	29.69	36	N	8	δ	29.85	+ .23	34	32	- 2	NN	3	δ	6	39	34	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	30.05	30	27	NNE	2	δ	1	Valencia ...	30.43	41	36	ENE	3	c	3
Thurso	30.28	40	40	NW	4	op	4	Scilly							
Scarborough ...	30.23	40	38	NE	3	c	4	London	30.20	40	37	N	3	δc	*
Greencastle ...	30.38	41	37	N	1	o	*	Rochefort ...	30.04	41	37	NNE	5	δc	o
Holyhead	30.35	41	37	NNE	4	c	3								

No important change.

EXPLANATION OF COLUMNS.

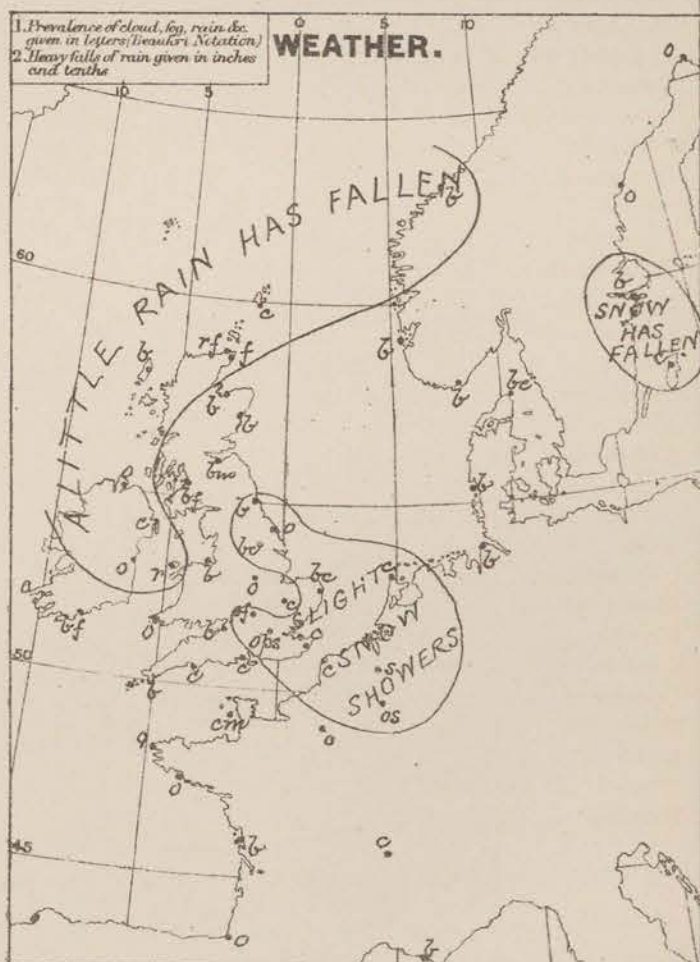
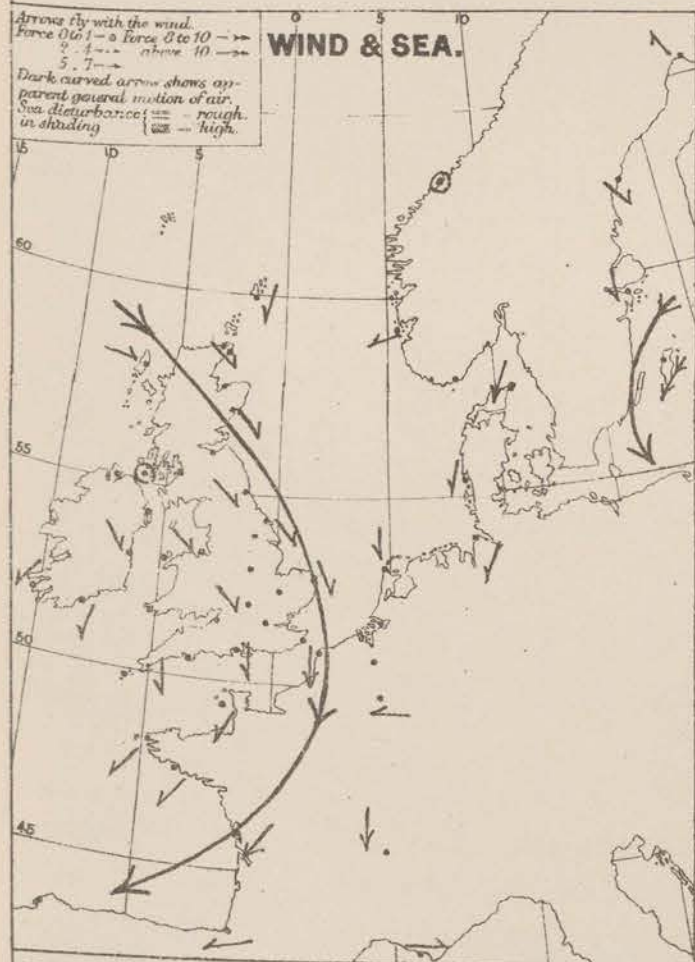
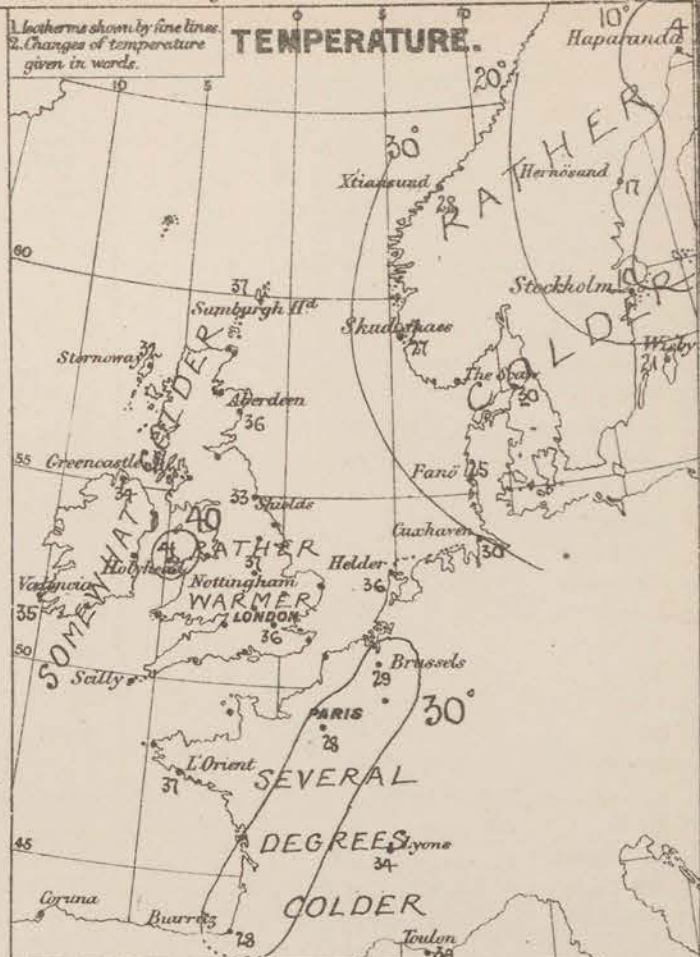
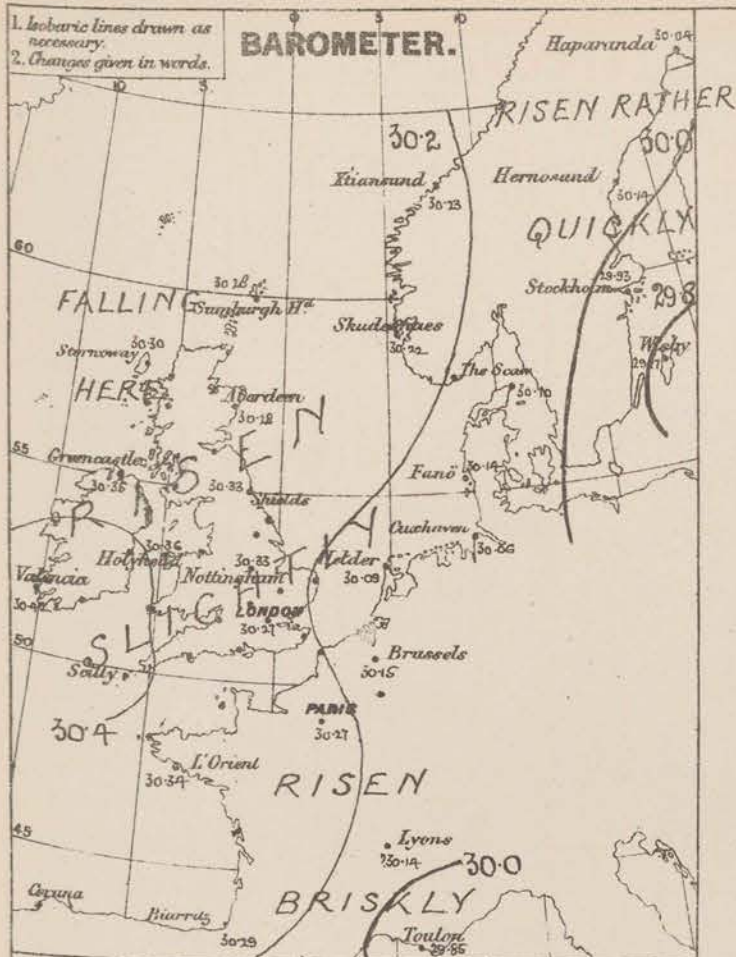
WEATHER.—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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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 Jan^y 10th 1878.



REMARKS. Weather is at present clear in Scotland, and on the Eth shore of the North Sea, but variable over England, Ireland and France. Rain is falling at Holyhead, slight snow showers in London and snow in the NE. of France. Slight rain fell in the M. yesterday, and a considerable quantity of snow and hail at Dover. Temperature has again fallen, except over Central England, where very little change is reported. It is rather low generally, but readings vary greatly in different districts. At Thirves the reading is 42°, but at Stanning 32°, and at Aidersaw 27°. Over Central England the temperature varies from 34° to 37°, but on the SW. coast of France it is 28° to 30°. At Haparanda (Gulf of Bothnia) it is only as 14°. Thus Thirves is 14° warmer than Haparanda! Winds is light over the Islands, and their neighbourhood. W ^{to NW} in Scotland, rather more N ⁱⁿ England, and NE ⁱⁿ the W. of France. At Wisby a fresh NE. gale prevails. Sea is slight or smooth generally.

Barometrical Indications. Barometrical readings were 30.4 ins. over the S. of Ireland, to 29.8 ins. over the S.E. of Sweden, so that the prevalent gradients are for N^{ly} winds. Over our NW. coast the mercury has begun to fall in the night as though some new disturbance is approaching our Nth coast from the Atlantic.

Submitted

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

R. H. SCOTT.

Secretariat

DAILY WEATHER REPORT

JAN 11

1878.

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).	Force. (0 to 15).		Reading at 8 A.M. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Difference from 8 A.M. yesterday.	Dir.	Force. (0 to 15).	Force. (0 to 15).			Max.	Min.	
Haparanda ...	30.04	5	Z	0	0	0	29.77	-.27	18	18	+ .14	W	2	0	0	?	1	-	
Hernösand ...	30.22	11	NN	2	0	0	30.09	-.05	29	27	+ .12	W	2	0	0	?	?	-	
Stockholm ...	30.10	21	NNE	2	0	0	30.14	+ .21	14	14	+ .4	SSW	2	0	0	?	?	-	
Wisby ...	29.97	27	NNE	8	0	0	30.12	+ .35	28	26	+ .7	NNE	6	0	0	?	?	-	
Christiansund ...	30.06	32	SW	3	0	0	30.34	+ .11	36	34	+ .8	SW	4	0	0	?	25	0.16	
Skudesnaes ...	30.42	30	ENE	2	0	0	30.42	+ .21	25	24	- .2	NE	2	0	0	?	?	-	
Oxö (Ålmasand) ...	30.40	24	N	4	0	0	30.38	+ .19	20	20	- .3	NNH	4	0	0	30	18	-	
Skagen (The Bear) ...	30.33	30	NE	5	0	0	30.38	+ .28	30	27	0	NNE	2	0	0	30	25	-	
Fanö ...	30.39	23	NN	0	0	0	30.44	+ .30	30	28	+ .5	Z	0	0	0	30	21	-	
Cuxhaven ...	30.25	30	NE	5	0	0	30.50	+ .44	32	30	+ .2	N	3	0	0	?	27	-	
Samburgh Head ...	30.38	39	Z	0	0	0	30.40	+ .12	40	38	+ .3	W	2	0	0	40	34	0.03	
Stornoway ...	30.39	34	SW	1	0	0	30.42	+ .12	35	?	+ .3	SW	1	0	0	35	28	?	
Thurso ...	30.37	38	NNH	1	0	0	30.42	+ .12	30	32	- .9	ENE	1	0	0	45	32	0.11	
Wick ...	30.41	36	NN	2	0	0	30.46	+ .15	28	27	- .11	W	1	0	0	41	26	-	
Nairn ...	30.41	30	Z	0	0	0	30.47	+ .14	30	29	- .3	Z	0	0	0	36	27	-	
Aberdeen ...	30.40	38	NNH	1	0	0	30.47	+ .19	30	29	- .6	SW	1	0	0	39	30	-	
Leith ...	30.44	37	NNH	2	0	0	30.52	+ .18	28	28	- .2	Z	0	0	0	38	27	-	
Shields ...	30.42	37	N	3	0	0	30.55	+ .22	35	33	+ .2	NNH	2	0	0	38	32	-	
Scarborough ...	30.39	40	NNH	2	0	0	30.55	+ .27	36	36	- .2	W	1	0	0	40	35	0.15	
York ...	30.42	37	NNH	1	0	0	30.58	+ .26	35	35	+ .1	W	1	0	0	39	33	-	
Nottingham ...	30.44	39	NNH	3	0	0	30.62	+ .29	35	35	- .2	SSW	1	0	0	40	35	-	
Ardrossan ...	30.43	30	NE	1	0	0	30.53	+ .16	33	?	+ .6	NE	1	0	0	37	27	-	
Greencastle ...	30.40	37	SW	1	0	0	30.48	+ .13	33	31	- .1	W	2	0	0	40	31	-	
Donaghadee ...	30.44	37	N	2	0	0	30.55	+ .18	31	31	- .4	W	2	0	0	40	29	-	
Kingstown ...	30.46	38	NN	3	0	0	30.57	+ .15	33	32	- .6	NNH	1	0	0	42	32	-	
Holyhead ...	30.43	39	Z	0	0	0	30.54	+ .18	34	33	- .7	SW	1	0	0	42	32	0.02	
Liverpool (Bidston) ...	30.44	37	NN	1	0	0	30.58	+ .22	32	32	- .4	SSE	2	0	0	40	31	-	
Valencia ...	30.43	40	NE	3	0	0	30.52	+ .10	42	40	+ .7	SE	2	0	0	44	34	-	
Roche's Point ...	30.47	37	E	3	0	0	30.56	+ .14	40	38	+ .8	NE	1	0	0	40	32	-	
Pembroke ...	30.44	40	N	1	0	0	30.58	+ .19	35	34	- .4	NE	1	0	0	43	34	-	
Portishead ...	30.40	37	NE	3	0	0	30.58	+ .23	35	35	+ .2	NNE	2	0	0	44	30	-	
Scilly ...	30.42	35	NNE	2	0	0	30.57	+ .21	34	33	+ .1	NE	2	0	0	42	31	-	
Plymouth ...	30.31	39	NNE	4	0	0	30.59	+ .29	32	31	- .2	NE	2	0	0	41	30	-	
Hurst Castle ...	30.31	37	N	5	0	0	30.50	+ .29	34	33	- .2	ESE	3	0	0	40	33	0.03	
Dover ...	30.38	40	NNE	3	0	0	30.59	+ .32	25	25	- .11	Z	0	0	0	41	25	-	
London ...	30.35	38	N	1	0	0	30.56	+ .30	25	25	- .10	N	1	0	0	43	25	0.01	
Oxford ...	30.35	37	ENE	4	0	0	30.57	+ .38	33	31	- .5	NNH	1	0	0	41	30	0.02	
Cambridge ...	30.35	37	ENE	4	0	0	30.52	+ .43	33	31	- .3	NE	1	0	0	?	?	-	
Yarmouth ...	30.35	39	NE	5	0	0	30.55	+ .33	30	30	- .7	E	1	0	0	41	30	-	
The Helder ...	30.39	42	N	4	0	0	30.58	+ .24	34	30	- .6	E	3	0	0	43	33	-	
Cape Gris Nez ...	30.40	45	NE	1	0	0	30.47	+ .13	24	37	+ .2	E	3	0	0	?	36	-	
Jersey ...	30.39	39	N	3	0	0	30.49	+ .15	36	32	- .1	NE	4	0	0	41	34	-	
Brest ...	30.31	43	NE	3	0	0	30.38	+ .04	32	30	+ .2	ENE	4	0	0	30	27	-	
L'Orient ...	30.36	30	ENE	2	0	0	30.36	+ .07	32	30	+ .4	ENE	3	0	0	?	27	-	
Rochefort ...	30.36	30	ENE	2	0	0	30.36	+ .07	32	30	+ .4	ENE	3	0	0	?	27	-	
Biarritz ...	30.36	30	ENE	2	0	0	30.36	+ .07	32	30	+ .4	ENE	3	0	0	?	27	-	
Corunna ...	30.36	30	ENE	2	0	0	30.36	+ .07	32	30	+ .4	ENE	3	0	0	?	27	-	
Brussels ...	30.36	30	ENE	2	0	0	30.36	+ .07	32	30	+ .4	ENE	3	0	0	?	27	-	
Charleville ...	30.36	30	ENE	2	0	0	30.36	+ .07	32	30	+ .4	ENE	3	0	0	?	27	-	
Paris ...	30.36	30	ENE	2	0	0	30.36	+ .07	32	30	+ .4	ENE	3	0	0	?	27	-	
Lyons ...	30.36	30	ENE	2	0	0	30.36	+ .07	32	30	+ .4	ENE	3	0	0	?	27	-	
Toulon ...	30.36	30	ENE	2	0	0	30.36	+ .07	32	30	+ .4	ENE	3	0	0	?	27	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	30.36	31	29	SSE	1	0	1	Valencia	30.40	42	38	ESE	1	0	2
Thurso	30.34	42	42	Z	0	0	0	Scilly							
Scarborough ...	30.34	40	40	NNH	2	0	0	London	30.34	41	39	NNH	3	0	0
Greencastle ...	30.38	39	38	SSW	1	0	0	Rochefort ...	30.31	34	30	ENE	3	0	3
Holyhead	30.40	40	39	NNH	3	0	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.

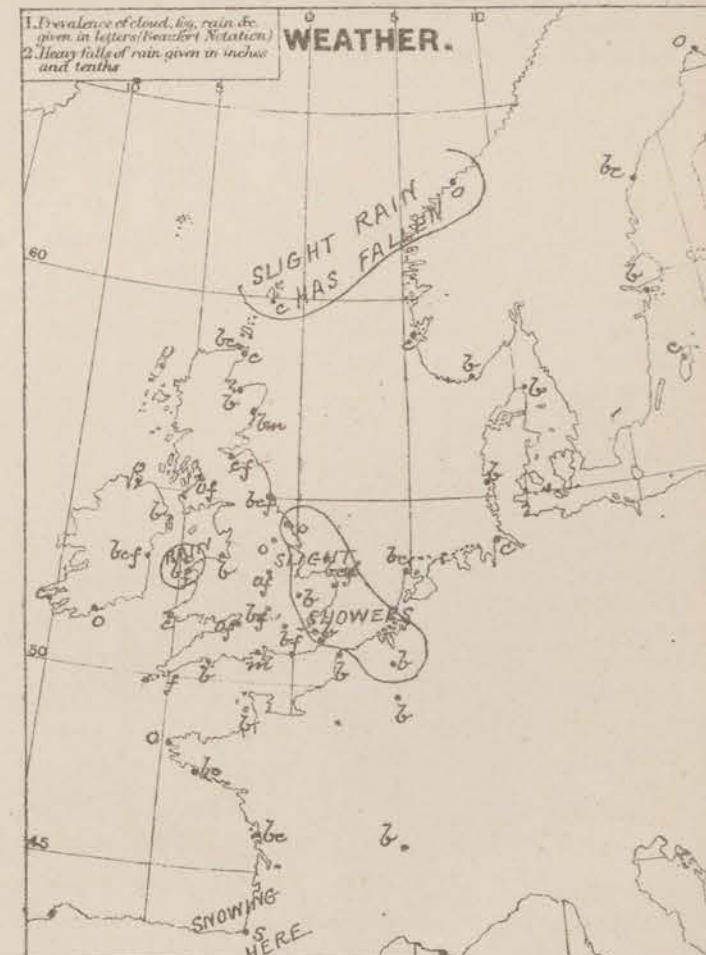
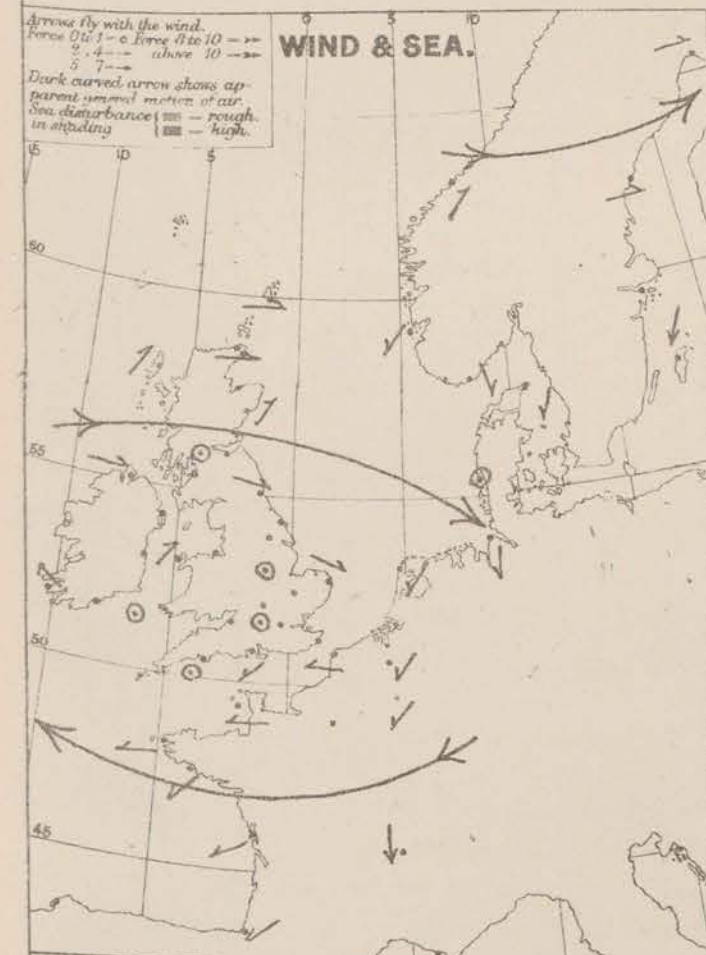
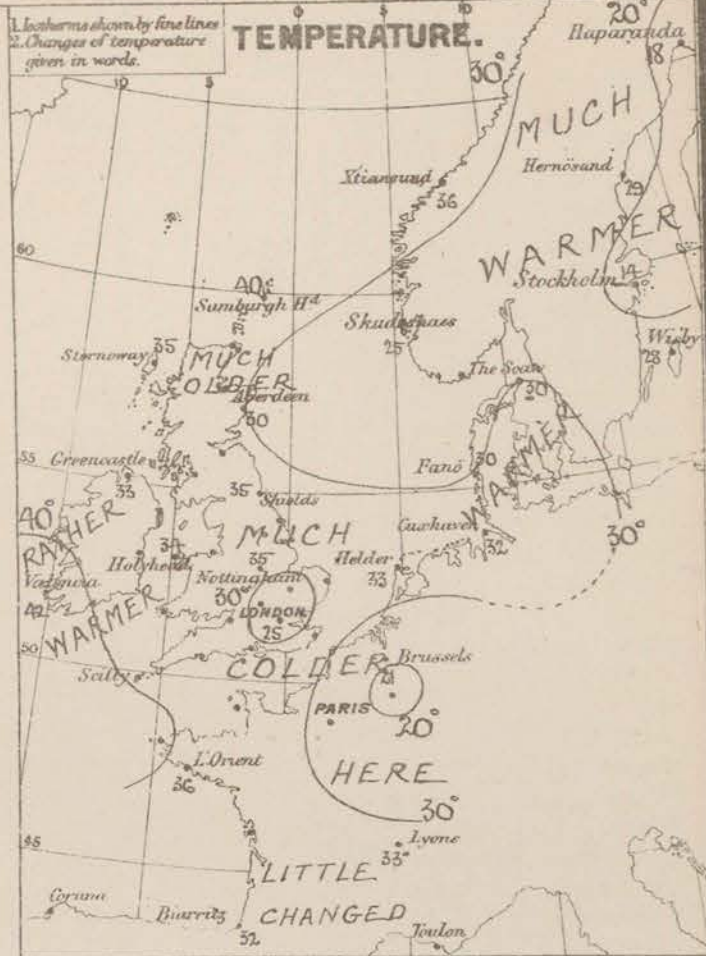
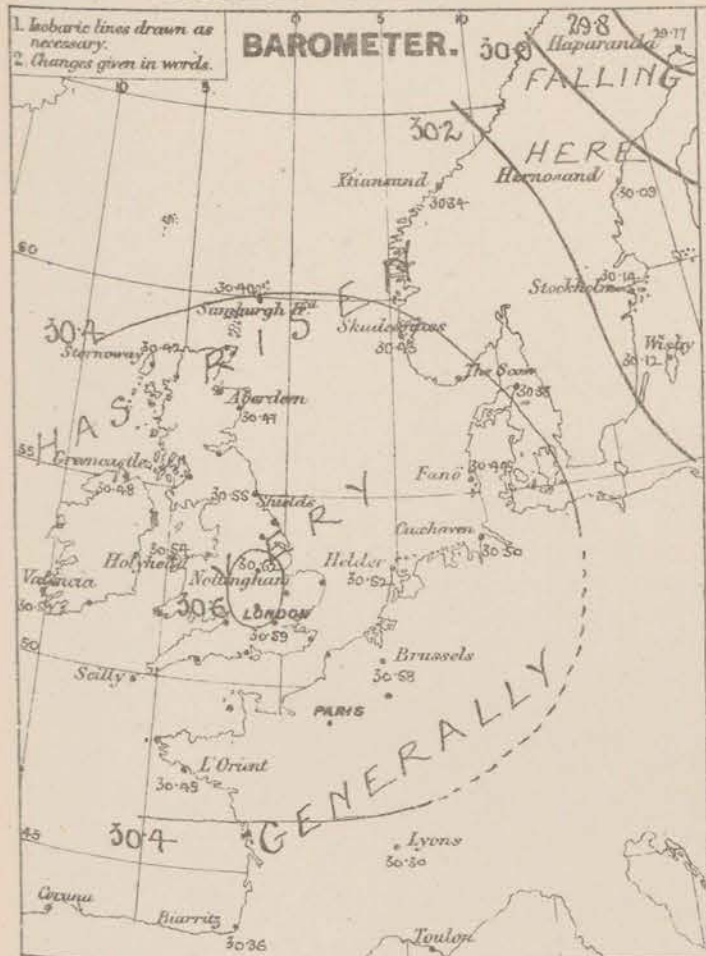
* AN ASTERISK is inserted in all places for which information is not usually received.

† 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 sea, and to "back" when it shifts in the opposite direction.

WEATHER CHARTS for 8 a.m. on Friday Jan^y 11th 1878.

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



REMARKS. Weather is very fine in the NE, E and S. (but foggy at several stations) while it is cloudy in the W and NW. Slight east showers fell in the SE yesterday, but elsewhere dry weather prevails. Temperature has again fallen over England and the N. of France, but risen in Ireland, Denmark and Sweden. It is now as low as 25° over our E and SE coasts, 21° at Brussels, and 15° at Chateaufort (NE of France), while in the SW of Ireland it has risen to 42°. In our SE coasts it is about 13° below the average for January. Winds is very light over our islands. W in the N and NE, NE in the S. In the Bay of Biscay moderate NE winds prevail, while in the N part of Scandinavia the wind has backed to the SW. Seas are smooth.

Barometrical Indications.

A well formed anticyclone settles over Ireland, England, Holland and the N. of France, the highest readings (30.62 in) being reported from Nottingham and Cardiff. In the N part of Sweden, however, the mercury has been falling fast during the night, and apparently a depression is advancing towards Lapland and the Gulf of Bothnia from the NW.

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

R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT JAN 12th 1878.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS		
	Barometer at 32° F. 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 12).		Reading at 82° 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	25	NW	4	δ	30.09	+ .32	19	18	+ 1	NW	2	δ	*	25	16	-	
Hernösand ...	30.10	36	NNW	2	δ	30.21	+ .12	34	32	+ 5	N	2	δ	*	*	*	-	
Stockholm ...	30.05	29	NNW	4	δ	30.14	00	27	26	+ 13	NNW	2	δ	*	*	*	-	
Wisby ...	30.12	36	NNW	8	δ	30.13	+ .01	36	33	+ 8	NNW	6	δ	*	*	*	-	
Christiansund ...	30.22	37	WSW	6	δ	30.34	00	40	39	+ 4	SW	3	δ	4	41	34	-	
Skudesnaes ...	30.42	31	N	2	δ	30.41	- .02	20	28	+ 5	NNE	2	δ	2	7	25	-	
Oxö (Stiansand) ...	30.36	23	N	4	δ	30.37	- .01	24	22	+ 4	N	4	δ	2	27	18	-	
Skagen (The Sea) ...	30.36	30	NNW	2	δ	30.36	- .02	28	27	- 2	Z	0	δ	0	32	23	-	
Fanö ...	30.43	35	NW	4	δ	30.43	- .01	37	36	+ 7	N	2	δ	*	?	?	0.04	
Cuxhaven ...	30.49	33	N	3	δ	30.52	+ .02	36	36	+ 4	N	1	δ	*	?	30	-	
Sumburgh Head ...	30.41	43	N	2	δ	30.37	- .03	41	38	+ 1	SW	2	δ	2	44	37	0.01	
Stornoway ...	30.42	34	SW	1	δ	30.33	- .09	43	42	+ 8	SSW	2	δ	4	43	34	0.08	
Thurso ...	30.44	35	WSW	2	δ	30.37	- .06	37	36	+ 4	SSW	2	δ	3	40	29	0.05	
Wick ...	30.47	34	N	1	δ	30.39	- .07	40	39	+ 12	SSW	2	δ	5	41	26	0.01	
Nairn ...	30.48	32	Z	0	δ	30.42	- .05	38	35	+ 9	Z	0	δ	1	38	29	-	
Aberdeen ...	30.50	32	SW	1	δ	30.44	- .03	34	33	+ 4	SW	1	δ	1	35	29	-	
Leith ...	30.55	36	NNW	2	δ	30.57	- .01	39	37	+ 11	N	1	δ	*	40	27	-	
Shields ...	30.56	37	Z	0	δ	30.55	00	38	36	+ 3	N	1	δ	2	40	31	-	
Scarborough ...	30.58	34	N	1	δ	30.57	+ .02	33	32	- 3	N	1	δ	1	37	31	-	
York ...	30.61	31	E	1	δ	30.61	+ .03	33	33	- 2	WSW	1	δ	*	41	29	-	
Nottingham ...	30.65	37	Z	0	δ	30.65	+ .03	34	34	- 1	SSW	1	δ	*	40	32	-	
Ardrossan ...	30.54	42	S	2	δ	30.57	- .02	43	41	+ 10	SW	2	δ	2	43	33	-	
Greencastle ...	30.53	38	SW	1	δ	30.47	- .01	36	35	+ 3	S	1	δ	*	40	31	0.02	
Donaghadee ...	30.58	37	N	2	δ	30.55	00	34	33	+ 3	WSW	3	δ	2	48	30	-	
Kingstown ...	30.61	39	Z	0	δ	30.60	+ .03	39	36	+ 6	S	1	δ	1	40	32	-	
Holyhead ...	30.60	40	Z	0	δ	30.59	+ .05	40	38	+ 6	WSW	1	δ	0	42	33	-	
Liverpool (Bidston) ...	30.63	38	SW	1	δ	30.61	+ .02	38	37	+ 6	SW	1	δ	1	41	31	-	
Valencia ...	30.55	43	SE	2	δ	30.57	- .01	47	44	+ 5	S	6	δ	6	48	40	-	
Roche's Point ...	30.60	42	SSE	3	δ	30.59	+ .03	44	41	+ 4	SSW	5	δ	4	46	?	-	
Pembroke ...	30.63	43	SSE	2	δ	30.64	+ .06	43	41	+ 8	S	2	δ	1	43	35	-	
Portishead ...	30.64	32	NNW	2	δ	30.65	+ .07	35	33	0	NNW	3	δ	3	44	30	-	
Seilly ...	30.64	35	Z	0	δ	30.69	+ .12	28	27	+ 6	NE	1	δ	*	41	27	-	
Plymouth ...	30.65	36	NE	1	δ	30.67	+ .08	29	29	- 3	N	1	δ	1	39	24	-	
Hurst Castle ...	30.67	34	SE	3	δ	30.66	+ .16	35	32	+ 1	NNW	2	δ	1	36	32	-	
Dover ...	30.67	36	Z	0	δ	30.67	+ .08	30	30	+ 5	Z	0	δ	*	39	25	-	
London ...	30.67	36	*	*	*	30.67	+ .06	33	32	+ 5	Z	0	δ	*	40	27	-	
Oxford ...	30.64	30	NN	1	δ	30.65	+ .09	34	33	+ 9	SW	1	δ	*	43	34	-	
Cambridge ...	30.60	34	N	2	δ	30.59	+ .02	34	33	+ 1	N	1	δ	1	37	32	-	
Yarmouth ...	30.64	39	SN	1	δ	30.62	+ .02	39	38	+ 6	NNW	1	δ	*	*	*	0.04	
The Helder ...	30.64	39	SN	1	δ	30.66	+ .11	36	32	+ 6	Z	0	δ	0	7	28	-	
Cape Gris Nez ...	30.66	36	NE	1	δ	30.72	+ .14	35	32	+ 1	N	1	δ	1	39	33	-	
Brest ...	?	?	?	2	δ	30.68	+ .21	36	32	- 5	E	3	δ	3	41	30	-	
L'Orient ...	30.61	34	E	4	δ	30.67	+ .18	28	28	- 8	E	4	δ	3	36	25	-	
Rocheport ...	30.53	43	NE	5	δ	30.59	+ .21	23	19	- 9	NE	5	δ	3	43	?	-	
Biarritz ...	30.61	?	NE	2	δ	30.54	+ .18	23	21	- 9	ENE	1	δ	3	36	21	-	
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-
Brussels ...	*	*	*	*	*	30.63	+ .05	27	25	+ 6	SSW	3	δ	*	*	*	-	
Charleville ...	*	*	*	*	*	30.57	+ .11	24	*	+ 9	NE	1	δ	*	*	*	-	
Paris ...	30.62	24	NE	4	δ	30.63	+ .10	26	25	- 1	NE	2	δ	*	*	*	-	
Lyons ...	*	*	*	*	*	30.52	+ .22	23	*	- 10	N	4	δ	*	*	*	-	
Toulon ...	30.10	36	NE	3	δ	30.26	+ .29	34	32	0	NE	5	δ	5	37	34	-	

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

Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.43	31	30	ENE	2	Valencia ...	30.55	47	43	SE	4
Thurso ...	30.45	39	37	NNN	1	Seilly ...	30.64	39	34	N	1
Scarborough ...	30.58	35	35	N	1	London ...	30.45	34	30	NE	5
Greencastle ...	30.51	38	35	S	2	Rocheport ...	30.45	34	30	NE	5
Holyhead ...	30.54	40	39	SN	2						

The anticyclone is moving SE^{wards}, and light S^W winds are setting in along our N^W coast, with very fine 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.

SUMMARY OF WEATHER IN WESTERN EUROPE

from JAN. 6th to JAN. 12th 1877.

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

The weather from Sunday to Wednesday of this week was rendered very unsettled by a disturbance which advanced from the N^W and travelled in an almost due S^W direction down our east coast, and across France to the Mediterranean; it occasioned strong breezes and slight gales, first from N. then from NW, and subsequently from NE, with very general showers of rain and snow. After its passage a large anticyclone advanced over these Islands from the westward, and very light airs with fine, though foggy weather continued until just at the close of the week. On Saturday evening a brisk fall of the barometer set in in the NW, and conditions were evidently changing again. Temperature has oscillated considerably. On Friday it was as low as 25° over the SE. of England, while during all the latter part of the week the thermometer was very low over France.

JAN. 6th Pressure was decreasing at all except a few of our NW stations; in the N. the change had been very brisk and a large depression was apparently advancing from the NW along the Norwegian coast. The highest readings lay in the SW. Wind was N^W to NW^W on all our coasts, but drew into SW in Denmark and the south of Scandinavia, and into SE. at Christiansund; it was light in force in most places, but blew freshly in the Irish Sea, at Lornoway and Skudenæs. Temperature had fallen somewhat in the N. and N. and risen briskly on the eastern shores of the North Sea, elsewhere it was very little changed; it was low in the Gulf of Bothnia, and much lower in the NE. of France than in any part of the British Isles. Weather was cloudy except in the NE. with rain and mist in several places. In the evening pressure was still going away everywhere - quickly in the N. - and the wind was increasing in the N.

JAN. 7th The depression noticed as advancing from the NW on the 6th had its centre over the Moray Firth, a slight recovery had commenced in its rear at Lumburgh and Christiansund, but in all other places the mercury was falling; - the change varying from over half an inch on our NE. coast, to about one tenth in the SW. of France. Wind was NE^W in the Shetlands, and N^W in the Hebrides, but was NW^W to N^W elsewhere; at most of the NW stations it was blowing freshly. Temperature had risen somewhat in France, but fallen over these Islands; it varied from about 35° at our more eastern stations, to 44° at Valentia. Sky was moderately clear over England, cloudy or overcast elsewhere. During the day the depression continued to move S^W, and at 6 P.M. had its centre near the Wash; in the N. the mercury rose briskly with a NE^W breeze and fine weather.

JAN. 8th The centre of low pressure lay over the mouth of the Schelde, the barometer was consequently still falling over the central and eastern parts of France, but in the NW. of that country, and over these Islands and Norway it had risen quickly. The highest readings lay off our NW. coasts. Wind was fresh in force generally; it was NE^W on our coasts, but drew into N. and NW. over the Bay of Biscay. Temperature had risen in the NE. but had fallen in the N. and SW. and over France; it was very uniform at about 40° over the greater part of Western Europe. Weather was moderately fine, rain, however, was falling over France, and hail at Jersey. Very little change was shown by the later telegrams, the barometer continuing to rise everywhere, with a fresh NE^W wind.

JAN 9th The depression had advanced 500° as far as London, the barometer was still rising generally, and the situation was practically unchanged. In the extreme N. of Scotland the wind was backing slightly, but elsewhere N° to NE° breeze still prevailed; they had, however, moderated somewhat in force. Temperature had fallen somewhat, and continued very uniform, at a little below 40° . Weather was fine over the greater part of the country, but showers of rain, hail, and snow had been general in the E. and S. In the evening the barometer was falling slightly in the N. but was still rising on our other coast.

JAN 10th Pressure was giving way slightly on our N.W. coasts, but was still increasing in all other places; the change was greatest over France, where the barometer was rising quickly in the rear of the depression. Winds were light or moderate from N. (NW to NE) on all coasts. Temperature had fallen except over central England, where it had scarcely changed. The highest reading over Western Europe was 42° at Thurns, whence it decreased to 32° at Cork, to 25° at Biarritz, to 34° over central England, and to 4° at Naparanda. Weather was fine at most of the Scotch stations, and on the eastern shores of the North Sea, elsewhere it was more variable, snow was falling in the SE. In the evening pressure was increasing everywhere, and a large anticyclone was advancing over these Islands from the N° .

JAN 11th The mercury had fallen somewhat over the Gulf of Bothnia, but had risen in all other places. A large area of high pressure, at the centre of which the barometer reached a height of 30.6 ins: lay over these Islands, the N. of France, N. Germany, and the North Sea. Within this region very light variable air prevailed, while to the N° moderate N° to N° winds, and to the S° , N° to E° winds were reported. Temperature had risen in the S. of Ireland, the N. of France, and in Sweden, fallen elsewhere. It was as low as 25° over our E° and SE° counties, 21° at Brussels, and 14° at Stockholm. Weather was cloudy in the N. and N.W. fine or nearly so in most other places, a good deal of fog, however, prevailed over England, while at Biarritz snow was falling. No change of importance occurred during the day.

JAN 12th Pressure was still increasing over France, the greater part of England, and the countries to the E° of the North Sea, but on our N° and NW coasts it was decreasing. Readings were highest over the mouth of the Channel (Jersey 30.72 ins), whence they decreased to 30.33 ins. at Stornoway, 30.26 ins. at Toulon, and 30.09 ins. at Naparanda. Temperature had risen in all parts of these Islands, but had fallen several degrees in France; Biarritz, Rochefort, and Lyons being 7° colder than London, and 20° colder than Stornoway. Winds had backed to S. in the west and north-west, but remained N° to N° in Scandinavia, and N° to E° over France; it blew freshly in the south of Ireland, but was moderate to light elsewhere. Sky had become cloudy very generally, and the weather in the south of Ireland was threatening. During the day the barometer fell quickly in the N.W. of Scotland, the S° winds extended, and increased to a slight gale at Valentia and Stornoway.

Meteorological Office,
116 Victoria Street, Westminster, S.W.
ROBERT H. SCOTT, Secretary.

DAILY WEATHER REPORT

JAN 13th

1878

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										HABIT & HOURS		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.			Barometer. Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	SHADE TEMP.			WIND.			Weather.	Sea.	SHADE TEMP.		Amount of Rainfall.	
			Dirco.	Force. (0 to 13).	W. or V.			Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirco.	Force. (0 to 13).	Max.			Min.			
Haparanda ...	30.10	6	N	2	bc	29.94	-15	8	8	-11	Z	0	f	4	19	3	-		
Hernösand ...	30.22	30	Z	0	b	29.95	-26	17	17	-17	Z	0	c	4	*	*	-		
Stockholm ...	30.23	24	NN	2	b	30.10	-44	21	20	-6	N	2	b	*	*	*	-		
Wisby ...	30.19	35	NNW	4	o	30.17	+44	31	30	-5	WSW	4	b	*	*	*	-		
Christiansund ...	30.04	38	SE	1	bc	29.70	-64	41	39	+1	WSW	4	o	5	41	34	-		
Skudesnaes ...	30.32	36	SSE	4	o	29.98	-43	40	40	+10	SW	6	o	4	?	30	0.08		
Oxö (Xtiansand) ...	30.38	25	N	4	b	30.02	-35	29	29	+5	SSW	4	r	3	30	21	-		
Skagen (The Seaw) ...	30.28	30	Z	0	b	30.19	-17	33	31	+5	WSW	2	o	2	34	23	-		
Fanö ...	30.43	37	N	2	o	30.31	-12	39	38	+2	N	4	c	*	39	36	-		
Cuxhaven ...	30.54	*	N	2	o	30.49	-23	35	35	-1	WSW	3	f	*	?	32	0.02		
Sumburgh Head ...	30.08	42.5	SW	4	o	29.86	-51	41	38	0	WSW	6	bc	6	44	37	0.09		
Stornoway ...	29.99	45	SSW	7	t	29.98	-35	38	37	-5	WSW	5	f	4	45	37	0.31		
Thurso ...	30.08	39	S	4	o	29.96	-41	37	36	0	SSW	3	b	3	42	34	0.03		
Wick ...	30.07	42	S	4	o	29.99	-40	38	36	-2	SSW	3	b	3	42	34	-		
Nairn ...	30.13	40	N	1	bc	30.06	-36	38	36	0	N	1	b	1	42	36	-		
Aberdeen ...	30.25	38	S	3	o	30.10	-34	37	35	+3	SW	2	b	1	42	34	-		
Leith ...	30.35	42	WSW	4	o	30.20	-31	41	39	+2	WSW	4	b	*	44	38	-		
Shields ...	30.47	39	Z	0	b	30.30	-25	42	40	+4	WSW	2	b	1	44	32	-		
Scarborough ...	30.51	37	N	2	o	30.33	-24	41	40	+2	WSW	3	o	2	41	30	-		
York ...	30.54	38	SW	2	o	30.38	-23	43	42	+10	SW	2	c	*	43	33	0.02		
Nottingham ...	30.60	37	S	2	o	30.48	-17	41	40	+7	SSW	3	o	*	41	34	-		
Ardrossan ...	30.55	45	SW	4	o	30.28	-23	44	42	+1	SW	4	c	3	46	42	0.17		
Greencastle ...	30.31	43	SW	3	r	30.23	-24	41	40	+5	SW	2	r	*	44	35	0.10		
Donaghadee ...	30.40	42	SSW	5	o	30.35	-20	39	38	+5	N	5	c	3	43	33	0.01		
Kingstown ...	30.48	45	S	4	c	30.43	-17	44	42	+5	NNW	3	bc	3	48	37	-		
Holyhead ...	30.52	44	SW	5	o	30.42	-17	46	44	+6	N	3	o	2	48	39	0.04		
Liverpool (Bidston) ...	30.55	44	SSW	2	o	30.40	-21	45	44	+7	WSW	5	r	3	47	37	0.04		
Valencia ...	30.45	48	SSW	7	o	30.49	-22	47	47	0	SW	2	og	2	50	44	0.56		
Roche's Point... ..	30.55	45	SSW	5	c	30.50	-29	49	48	+5	WSW	5	tm	4	49	44	0.04		
Pembroke ...	30.63	45	SW	3	o	30.52	-12	48	47	+5	WSW	6	o	4	48	43	0.01		
Portishead ...	30.63	34	WSW	3	o	30.55	-10	42	40	+7	SW	6	bc	4	44	32	-		
Seilly ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Plymouth ...	30.66	35	NN	1	o	30.65	-24	43	40	+15	SW	4	o	*	44	28	-		
Hurst Castle ...	30.67	36	NNE	1	mv	30.62	-25	44	42	+15	WSW	4	og	3	45	32	-		
Dover ...	30.65	37	NN	2	o	30.65	-21	38	35	+3	N	3	c	2	39	34	-		
London ...	30.67	36	N	1	om	30.65	-22	39	36	+9	SSW	1	o	*	39	30	-		
Oxford ...	...	...	...	...	...	30.57	-20	40	38	+7	SSW	2	o	*	40	33	-
Cambridge ...	30.62	35	SW	1	o	30.53	-12	37	36	+3	SW	2	r	*	39	34	-		
Yarmouth ...	30.57	35	N	1	c	30.49	-10	37	35	+3	SW	2	o	1	37	35	-		
The Helder... ..	...	...	...	...	...	30.49	-25	41	39	+2	SW	2	c	*	...	...	...
Cape Gris Nez ...	30.65	39	NNW	2	mv	30.65	-21	41	37	+5	WSW	2	o	2	45	36	-		
Jersey ...	30.72	37	SW	2	o	30.73	+21	41	40	+6	WSW	2	om	2	41	35	0.01		
Brest ...	30.71	41	S	3	o	30.72	+24	43	39	+7	N	2	o	3	?	36	-		
L'Orient ...	30.72	34	E	3	o	30.76	+29	36	34	+8	E	1	o	2	37	27	-		
Rochefort ...	30.54	39	E	4	b	30.70	+11	32	32	+9	NE	3	o	3	46	19	-		
Biarritz ...	30.60	?	ENE	3	b	30.73	+19	27	25	+4	ESE	2	b	3	32	19	-		
Corunna ...	...	...	...	...	...	30.64	...	36	...	...	NE	3	b	4	...	...	...
Brussels ...	...	...	...	...	...	30.65	+22	33	32	+6	SW	2	o	*	33	31	0.04
Charleville ...	...	...	...	...	...	30.65	+28	27	...	+3	SW	1	os	*	...	...	...
Paris ...	30.65	29	NNW	1	f	30.71	+28	33	31	+7	NNW	1	f	*	...	...	-
Lyons ...	...	...	...	...	...	30.73	+21	19	...	-4	N	2	b	*	...	...	...
Toulon ...	30.25	36	NN	1	mv	30.28	+22	37	32	+3	NN	2	c	4	41	34	-		

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

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		
Skudesnaes ...	30.38	33	32	E	1	1	Valencia ...	30.47	49	45	SSW	7	og	6	
Thurso	30.25	39	38	S	2	0	3	Seilly							
Scarborough ...	30.53	38	36	N	1	0	1	London	30.66	37	35	N	1	og	*
Greencastle ...	30.38	41	40	S	2	0	4	Rochefort ...	30.56	32	28	NE	5	o	3
Holyhead	30.54	44	41	SW	4	0	3								

Pressure is still decreasing in all parts of the Kingdom - most in the N. The S.W. wind has increased to a slight gale at Valencia with a rough sea and very gloomy 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. 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.

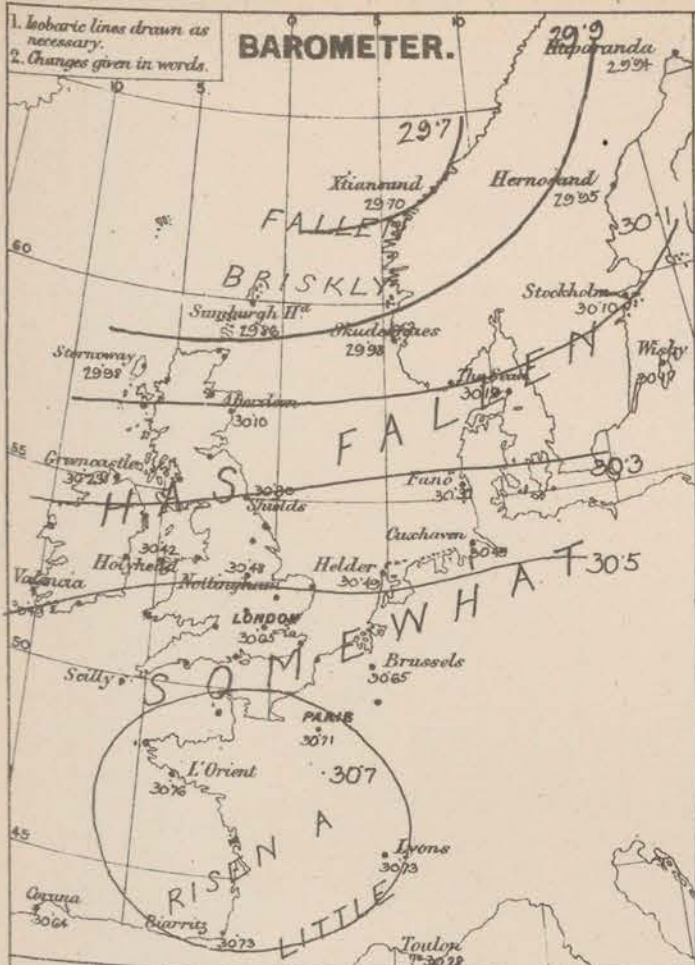
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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

WEATHER CHARTS for 8 a.m. on Sunday 13th JAN^y 1878.

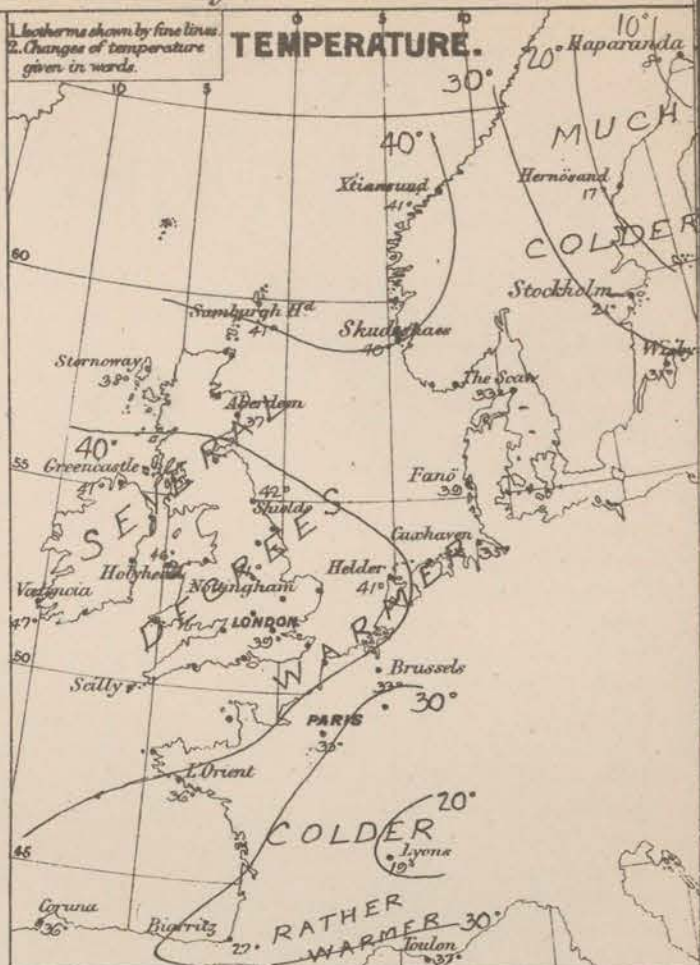
1. Isobaric lines drawn as necessary.
2. Changes given in words.

BAROMETER.



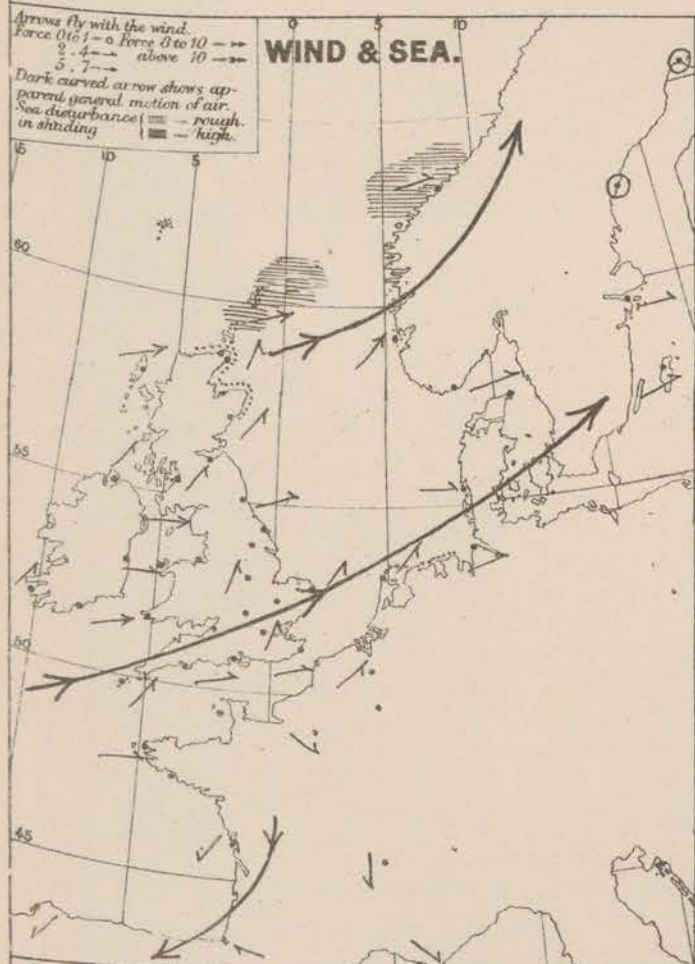
1. Isotherms shown by fine lines.
2. Changes of temperature given in words.

TEMPERATURE.



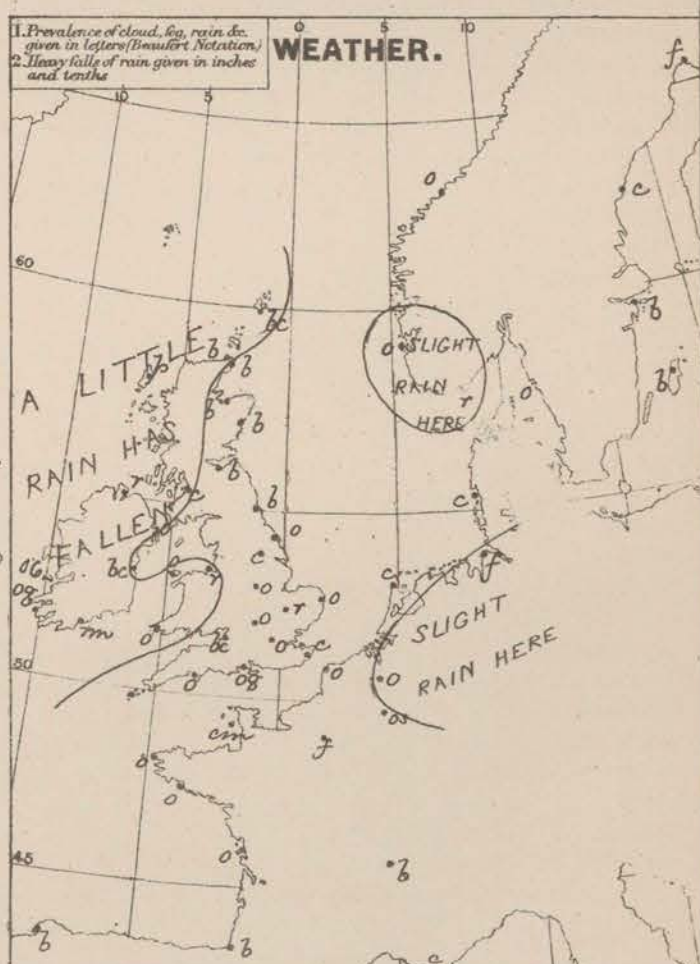
1. Force 0 to 10.
 2. Force 10 to 20.
 3. Force 20 to 30.
 4. Force 30 to 40.
 5. Force 40 to 50.
 6. Force 50 to 60.
 7. Force 60 to 70.
 8. Force 70 to 80.
 9. Force 80 to 90.
 10. Force 90 to 100.
- Dark curved arrow shows apparent general motion of air. Sea disturbance rough in shading. — high.

WIND & SEA.



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

WEATHER.



Note: A dotted line is drawn round these coasts which were winded yesterday evening.

REMARKS.

Weather is clear in the east of Scotland and north east of England, but cloudy or overcast in nearly all other parts of Western Europe; rain is falling at some of our western stations, and a gloomy appearance is reported from Valentia and Hunt Head. Rain fell at all our more western and northern stations yesterday but with the exception of Valentia the amounts were for the most part small. Temperature has fallen several degrees in Sweden, and is now as low as 84° F. at Haparanda; in our Islands, however, a considerable rise has taken place, and the weather in the south of England is 15° warmer than it was yesterday morning. Very cold weather is reported from Central and Southern France, Lyons being 20° colder than London and the north of Scotland. This is 11° or 12° at all but the French stations - moderate generally, but rather fresh at the more exposed of our western and northern ports. Light N^o or NE^o breezes are blowing in France. Sea is rough at the Shetlands, moderate or smooth elsewhere.

Barometrical Indications During the past night a considerable depression has advanced to the west coast of Norway from the W^o, causing a rapid fall of the barometer on the Norwegian coast, a brisk fall in the north of Scotland, and a slight decrease in all other parts of the British Kingdom. The mercury has, however, risen in France and is very high there, so that steep gradients for W^o winds are prevailing over these Islands.

Fannings - The following was sent to the north east of Scotland last evening "Barometer falling fast west coast. S^o pale likely. Hunt Head low Saturday 7.10 pm."

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, Secretary.

DAILY WEATHER REPORT JAN 14th 1878.

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.	Force. (0 to 13).	Weather.	Sea. (0 to 9).	SHADE TEMP.		Amount of Rainfall.	
			Direc.	Force. (0 to 13).			Dry.	Wet.	Difference from 8 a.m. yesterday.					Max.	Min.		
Haparanda ...	29.59	20	S	4	0	29.35	- 59	18	18	+ 10	E	2	0	*	21	?	-
Hernösand ...	29.57	22	Z	0	0	29.29	- 66	12	12	- 5	SW	2	0	*	*	*	-
Stockholm ...	29.70	34	S	4	0	29.37	- 73	37	36	+ 16	WSW	6	0	*	*	*	-
Wibby ...	29.91	36	SW	6	0	29.56	- 61	39	37	+ 8	W	8	0	*	*	*	0.04
Christiansund ...	29.38	37	WSW	7	0	29.36	- 34	35	32	- 6	W	5	0	*	?	32	0.28
Skudesnaes ...	29.76	40	SW	6	0	29.53	- 65	41	39	+ 1	WSW	6	0	4	41	?	0.04
Oxö (Klansand) ...	29.92	38	WSW	6	0	29.62	- 40	37	37	+ 8	SW	6	0	?	39	37	0.04
Skagen (The Seaw) ...	29.93	39	WSW	4	0	29.65	- 34	39	37	+ 6	W	6	0	6	41	32	0.04
Fanö ...	30.13	39	WSW	4	0	29.93	- 38	41	40	+ 2	WSW	6	0	*	?	37	0.04
Cuxhaven ...	30.38	38	WSW	4	0	30.15	- 34	38	38	+ 3	WSW	4	0	*	?	34	0.02
Sumburgh Head ...	29.70	41	W	8	0	29.71	- 15	39	36	- 2	N	5	0	5	44	37	0.49
Stornoway ...	29.97	40	W	5	0	29.97	- 01	42	44	+ 4	W	2	0	4	44	37	0.30
Thurso ...	29.91	40	WSW	4	0	29.88	- 08	42	39	+ 5	WSW	4	0	5	46	36	0.25
Wick ...	29.91	38	WSW	5	0	29.88	- 11	40	37	+ 2	WSW	5	0	3	44	37	0.02
Nairn ...	30.01	42	W	1	0	29.94	- 12	44	42	+ 6	W	1	0	1	44	37	-
Aberdeen ...	30.04	43	SW	2	0	29.91	- 19	43	40	+ 6	W	1	0	1	44	37	-
Leith ...	30.16	43	W	5	0	30.04	- 16	45	44	+ 4	W	3	0	*	46	40	0.01
Shields ...	30.28	43	W	4	0	30.07	- 23	48	47	+ 6	W	4	0	2	48	39	0.02
Scarborough ...	30.33	42	WSW	2	0	30.11	- 22	46	46	+ 5	WSW	2	0	2	46	41	0.07
York ...	30.39	42	WSW	2	0	30.16	- 22	49	48	+ 6	W	4	0	*	49	41	0.03
Nottingham ...	30.46	43	SW	2	0	30.29	- 19	47	46	+ 6	SW	5	0	*	47	40	0.17
Ardrossan ...	30.24	47	WSW	5	0	30.07	- 21	47	45	+ 3	WSW	4	0	3	49	44	0.12
Greencastle ...	30.28	44	WSW	2	0	30.12	- 11	46	46	+ 5	SW	1	0	*	49	40	0.24
Donaghadee ...	30.02	43	W	4	0	30.10	- 19	48	48	+ 9	WSW	3	0	2	49	39	0.04
Kingstown ...	30.44	47	W	4	0	30.27	- 16	51	49	+ 7	W	5	0	4	51	43	0.01
Holyhead ...	30.45	46	W	3	0	30.27	- 15	49	48	+ 3	WSW	4	0	3	50	44	0.04
Liverpool (Bidston) ...	30.43	42	WSW	3	0	30.27	- 13	48	47	+ 3	WSW	8	0	4	49	43	0.13
Valencia ...	30.49	51	WSW	5	0	30.42	- 08	52	49	+ 5	SW	6	0	6	53	46	0.04
Roche's Point ...	30.54	49	WSW	5	0	30.44	- 06	49	47	+ 0	W	4	0	4	51	48	0.22
Pembroke ...	30.55	49	WSW	5	0	30.43	- 09	50	49	+ 2	WSW	4	0	3	50	47	0.06
Portishead ...	30.55	46	WSW	3	0	30.43	- 12	48	47	+ 6	SW	7	0	5	49	40	0.02
Scilly ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Plimouth ...	30.63	47	WSW	2	0	30.55	- 10	48	46	+ 5	WSW	5	0	*	49	42	-
Hurst Castle ...	30.61	46	W	2	0	30.50	- 12	47	47	+ 3	W	5	0	6	47	42	0.01
Dover ...	30.62	43	WSW	5	0	30.49	- 16	44	43	+ 6	WSW	3	0	2	45	37	-
London ...	30.57	45	WSW	3	0	30.42	- 23	45	43	+ 6	SW	3	0	*	46	39	-
Oxford ...	...	...	...	...	...	30.40	- 17	47	45	+ 7	WSW	3	0	*	47	39	0.01
Cambridge ...	30.49	?	WSW	2	0	30.23	- 20	45	44	+ 8	WSW	3	0	*	46	37	0.01
Yarmouth ...	30.44	44	WSW	4	0	30.26	- 23	45	43	+ 8	SSW	3	0	2	46	36	0.02
The Elder ...	...	...	...	...	...	30.26	- 23	45	44	+ 4	SW	3	0	*	*	*	0.04
Cape Gris Nez ...	30.59	45	WSW	5	0	30.49	- 16	46	45	+ 5	W	5	0	4	46	39	-
Jersey ...	30.74	42	W	5	0	30.67	- 06	46	43	+ 5	WSW	6	0	5	?	41	-
Brest ...	30.75	45	W	3	0	30.72	- 00	48	45	+ 5	WSW	4	0	4	?	41	-
L'Orient ...	30.80	41	N	1	0	30.76	- 00	43	39	+ 7	W	3	0	3	45	34	-
Rochefort ...	30.8	41	NE	1	0	30.75	+ 05	36	36	+ 4	NE	3	0	2	48	19	-
Biarritz ...	30.85	45	NE	1	0	30.84	+ 11	23	19	- 4	ENE	1	0	4	?	19	-
Corunna ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Brussels ...	...	...	...	...	...	30.50	- 15	40	39	+ 7	SW	5	0	*	*	*	0.04
Charleville ...	...	...	...	...	...	30.55	- 10	34	...	+ 7	SSW	3	0	*	*	*	...
Paris ...	30.72	35	WSW	1	0	30.67	- 09	38	35	+ 5	W	3	0	*	*	*	-
Lyons ...	...	...	...	...	...	30.57	+ 04	28	...	+ 9	WN	2	0	*	*	*	...
Toulon ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.90	39	38	SW	4	0	Valencia ...						
Thurso ...							Scilly ...						
Scarborough ...							London ...						
Greencastle ...							Rochefort ...	30.25	37	36	NE	2	0
Holyhead ...													

EXPLANATION OF COLUMNS.

WEATHER.—Beaufort Scale is, b. blue sky; a. 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.

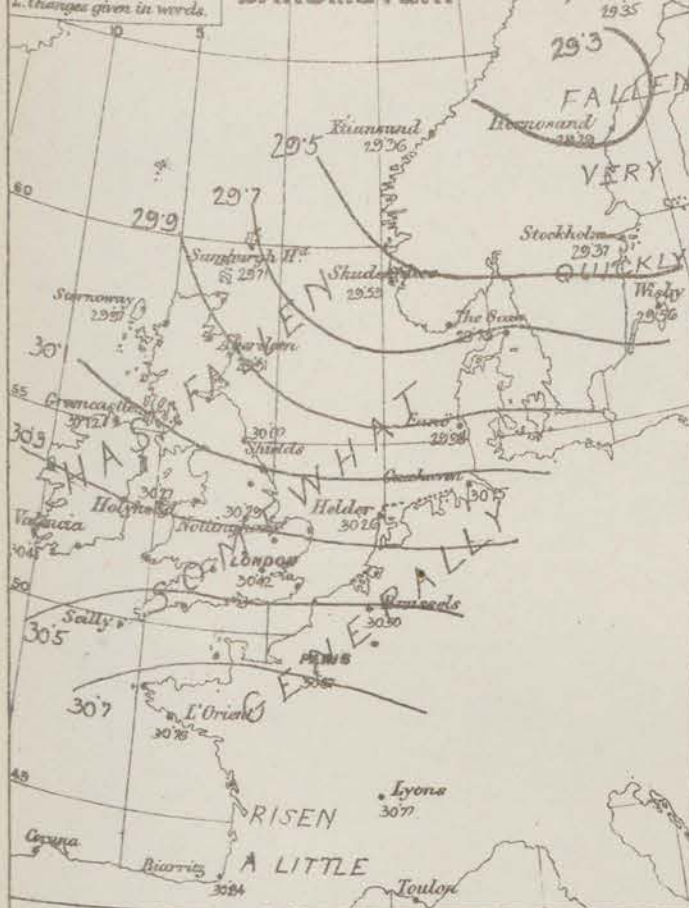
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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 14TH JAN^Y 1878.

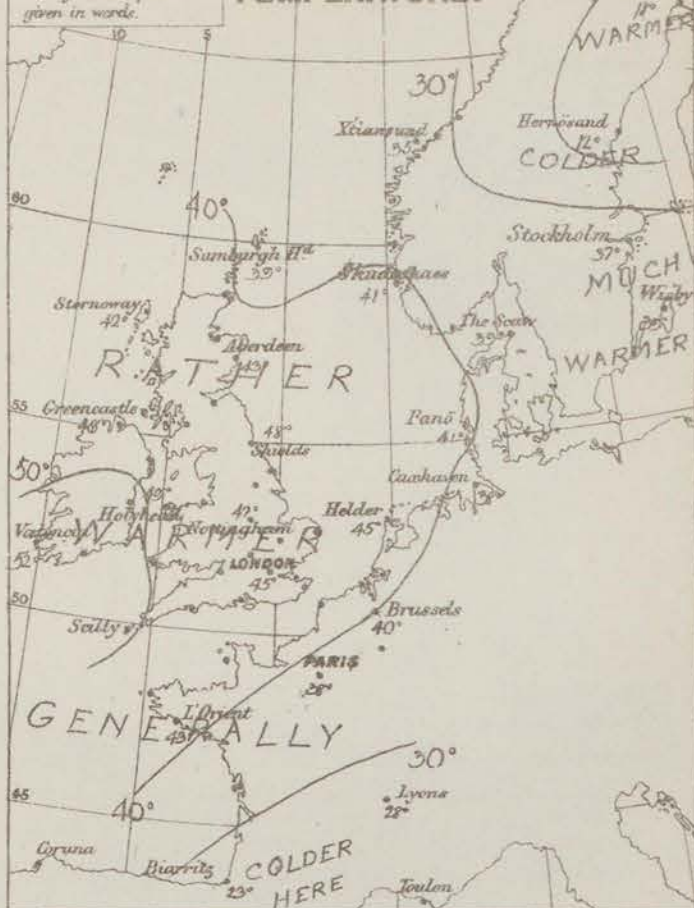
1. Isobaric lines drawn as necessary.
2. Changes given in words.

BAROMETER.



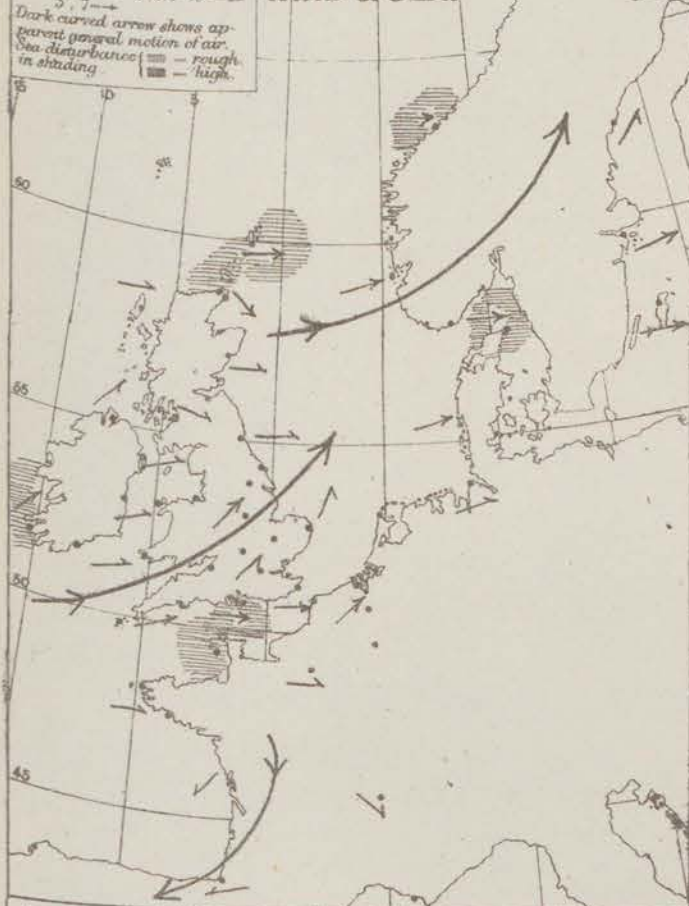
1. Isotherms shown by fine lines.
2. Changes of temperature given in words.

TEMPERATURE.



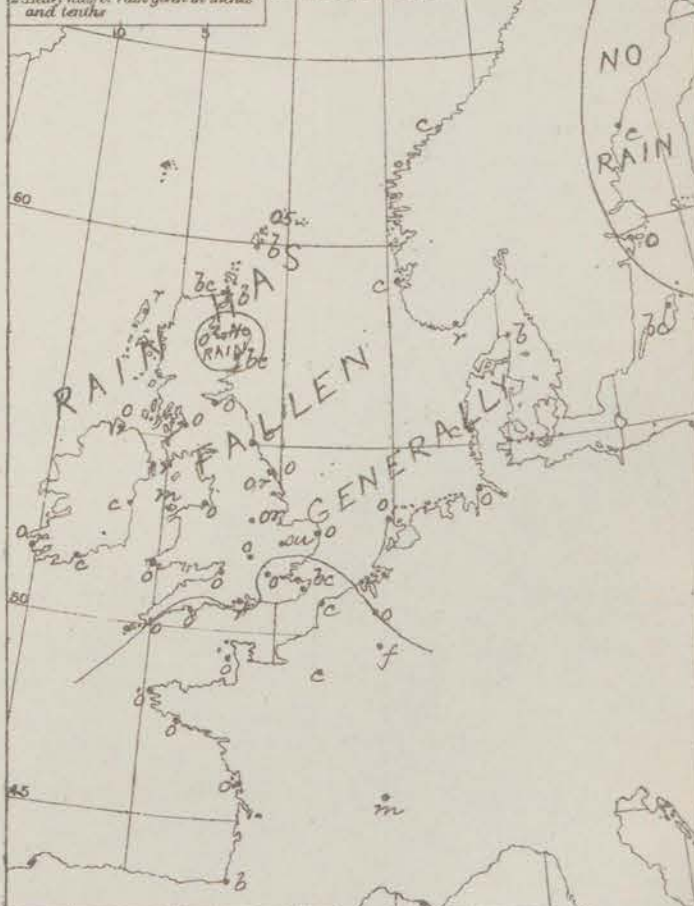
1. Arrows fly with the wind. Force 0 to 10 = 0 to 10; above 10 = 10 to 20.
2. Dark curved arrow shows apparent general motion of air.
3. Sea disturbances in shading: rough, high.

WIND & SEA.



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

WEATHER.



REMARKS. Weather is moderately fine in the north east of Scotland as well as at Biarritz and the Saeur but in all other places it is overcast or very cloudy, with rain in some places. Night rain has fallen generally. Lunar corona was seen at Aberdeen and lunar halo at Kingstown last night. Temperature has risen generally, and now varies from 40° to 47° in Scotland, from 46° to 52° in Ireland, and from 46° to 50° over England; in the south of France, however, the weather remains cold, Biarritz being 22° colder than London and 20° colder than Aberdeen. Wind is N. to N.W. in the extreme north east of Scotland, and N.E. in the south east of France, but on most other coasts it is N. to N.W.; it is moderate to strong in force about stations, and has increased to a gale locally over the Mersey and the Bristol Channel. Sea is rough in the west, north and south, moderate to slight elsewhere.

Barometrical Indications. A large depression has advanced to the north of Scandinavia, causing the barometer to fall quickly at the Swedish and Norwegian stations, and slightly in all parts of Western Europe. Pressure is very high over France (Biarritz 30.84 in.) and gradients are steep generally.

Fogarnings. The mornings, raised on Saturday evening to the north east of Scotland have been lowered this morning.

Subscription for these charts payable in advance to cover delivery. Delivery by hand 1/4 per quarter, book post 5/ per quarter.

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

R. H. SCOTT,
Secretary

DAILY WEATHER REPORT JAN^y 15th 1878.

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 ...	29.29	15	E	2	0		29.42	+ .07	16	?	- 2	NE	2	0	*	?	?	0.79	
Hernösand ...	29.30	21	NW	2	0		29.43	+ .14	12	12	0	NNE	2	0	*	*	*	-	
Stockholm ...	29.30	27	NNW	4	0		29.35	- .02	24	22	- 13	W	4	0	*	*	*	-	
Wisby ...	29.30	35	NE	6	0		29.39	- .17	33	31	- 6	NNN	9	0	*	*	*	0.04	
Christiansund ...	29.43	37	NNN	9	0		29.73	+ .37	36	33	+ 1	NW	8	5	6	37	34	0.20	
Skudesnaes ...	29.55	35	NN	6	5		29.95	+ .42	36	32	- 5	NNN	5	0	3	41	?	-	
Oxö (Xiänsand) ...	29.34	37	NW	6	0		29.31	+ .19	36	32	- 1	NN	4	0	3	39	32	-	
Skagen (The Scaw) ...	29.65	38	NNN	5	0		29.75	+ .10	36	32	- 3	NNN	5	0	5	41	32	0.12	
Fanö ...	29.92	38	NNN	6	0		29.95	+ .02	37	34	- 4	NNN	6	0	*	43	36	-	
Cuxhaven ...	29.94	41	NN	6	0		30.04	- .11	37	37	- 1	NN	2	0	*	41	36	0.05	
Sumburgh Head ...	29.96	35	N	5	0		30.05	+ .34	35	32	- 4	E	1	0	3	40	31	0.01	
Stornoway ...	30.07	40	W	1	0		29.92	- .05	47	47	+ 5	SW	1	+	2	47	37	0.08	
Thurso ...	30.03	42	NN	3	0		29.98	+ .10	37	37	- 5	SSW	2	+	3	44	32	0.07	
Wick ...	30.07	36	NNN	2	0		30.01	+ .13	40	39	0	SSE	3	0	0	41	32	-	
Nairn ...	30.09	40	W	1	2		30.01	+ .07	38	37	- 6	Z	0	0	1	45	35	0.14	
Aberdeen ...	30.07	40	NN	1	0		30.05	+ .15	39	37	- 4	SSW	1	mv	1	44	37	0.07	
Leith ...	30.10	46	W	2	0		30.08	+ .04	42	42	- 3	Z	0	mv	*	45	40	0.11	
Shields ...	30.11	46	W	3	0		30.13	+ .06	44	44	- 4	Z	0	+	1	48	41	0.06	
Scarborough ...	30.12	47	W	?	mv		30.15	+ .04	45	45	- 1	NSW	1	mv	2	50	43	0.27	
York ...	30.16	49	W	3	0		30.19	+ .03	49	48	0	NSW	1	0	*	50	43	0.06	
Nottingham ...	30.23	49	W	5	+		30.26	- .03	49	49	+ 2	NSW	1	+	*	52	46	0.06	
Ardrossan ...	30.12	45	Z	0	+		30.09	+ .02	50	49	+ 3	W	2	+	0	50	44	0.04	
Greencastle ...	30.12	50	W	4	0		30.14	+ .02	50	50	+ 8	NNN	4	0	*	?	45	0.34	
Donaghadee ...	30.15	50	W	3	0		30.19	+ .03	50	50	+ 2	W	4	+	2	50	47	0.12	
Kingstown ...	30.26	52	NNN	5	0		30.28	+ .01	52	49	+ 1	W	6	0	5	50	50	0.01	
Holyhead ...	30.25	49	NSW	3	mv		30.29	+ .02	49	49	0	NSW	3	mv	3	51	48	-	
Liverpool (Bidston) ...	30.20	50	NSW	7	0		30.25	- .04	48	47	0	NSW	5	+	4	51	47	0.06	
Valencia ...	30.42	52	NSW	4	0		30.47	+ .06	52	48	0	NSW	4	0	4	53	50	0.01	
Roche's Point ...	30.44	50	W	5	0		30.46	+ .02	49	47	0	W	3	0	3	53	48	-	
Pembroke ...	30.36	50	W	5	0		30.40	- .03	50	49	0	W	4	0	3	51	48	0.04	
Portishead ...	30.39	46	NSW	6	0		30.37	- .06	46	46	- 2	W	4	0	4	54	45	-	
Seilly ...																			
Plymouth ...	30.48	49	W	3	0		30.46	- .09	48	47	0	SW	2	+	*	57	47	0.02	
Hurst Castle ...	30.41	48	W	6	0		30.37	- .13	48	48	+ 1	W	5	0	5	49	46	-	
Dover ...	30.32	42	NSW	4	0		30.29	- .20	49	47	+ 5	NSW	3	0	2	50	42	-	
London ...	30.33	50	W	4	0		30.30	- .12	48	47	+ 3	SW	2	0	*	52	45	0.01	
Oxford ...	*	*	*	*	*		30.31	- .09	49	48	+ 2	W	1	0	*	51	41	0.01	
Cambridge ...	30.23	49	NSW	3	0		30.25	- .08	49	48	+ 4	W	1	0	*	50	44	-	
Yarmouth ...	30.18	48	W	4	0		30.20	- .06	46	46	+ 1	W	1	+	1	50	43	0.08	
The Helder ...	*	*	*	*	*		30.16	- .10	43	38	- 2	NNN	1	0	*	*	*	0.08	
Cape Gris Nez ...	30.35	48	NSW	7	mv		30.30	- .19	46	46	0	W	5	0	4	48	43	0.08	
Jersey ...	30.57	49	W	6	0		30.52	- .15	50	49	+ 4	W	4	0	4	50	45	-	
Brest ...	30.64	48	W	4	0		30.60	- .12	50	48	+ 2	NNN	3	0	3	50	46	-	
L'Orient ...	30.69	46	W	3	0		30.62	- .14	48	5	+ 5	NN	3	0	3	50	41	-	
Rocheport ...	30.71	43	SE	2	0		30.62	- .13	45	43	+ 9	W	4	0	3	?	23	-	
Biarritz ...	30.70	?	ENE	2	0		30.70	- .14	50	28	+ 7	ENE	3	0	3	41	23	-	
Corunna ...	*	*	*	*	*											*	*	*	
Brussels ...	*	*	*	*	*		30.23	- .27	47	46	+ 7	W	4	0	*	?	?	0.28	
Charleville ...	*	*	*	*	*		30.27	- .28	41	*	+ 7	W	1	+	*	*	*	*	
Paris ...	30.55	41	SW	3	0		30.41	- .26	45	44	+ 7	W	3	0	*	*	*	-	
Lyons ...	*	*	*	*	*		30.64	- .13	36	*	+ 8	SW	2	0	*	*	*	*	
Toulon ...	30.44	41	E	?	0		30.29	- .14	37	34	0	NNN	5	0	5	43	37	-	

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

	Bar.	Dry.	Wet.	Wind..	Wes.	Sea.		Bar.	D.y.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.76	35	33	NNW	8	estv	4	Valencia	30.41	52	50	NSW	5	0.9	6
Thurso	29.98	43	41	NN	4	bc	4	Seilly							
Scarborough ...	30.12	49	48	W	1	tf	2	London	30.34	52	50	NSW	3	0	*
Greencastle ...	30.10	51	51	W	3	o	*	Rocheport ...	30.73	43	41	E	1	0	3
Holyhead	30.25	50	48	NSW	4	om	3								

Pressure is increasing in the N. but is changing very slightly elsewhere. The weather is very dull.

EXPLANATION OF COLUMNS.

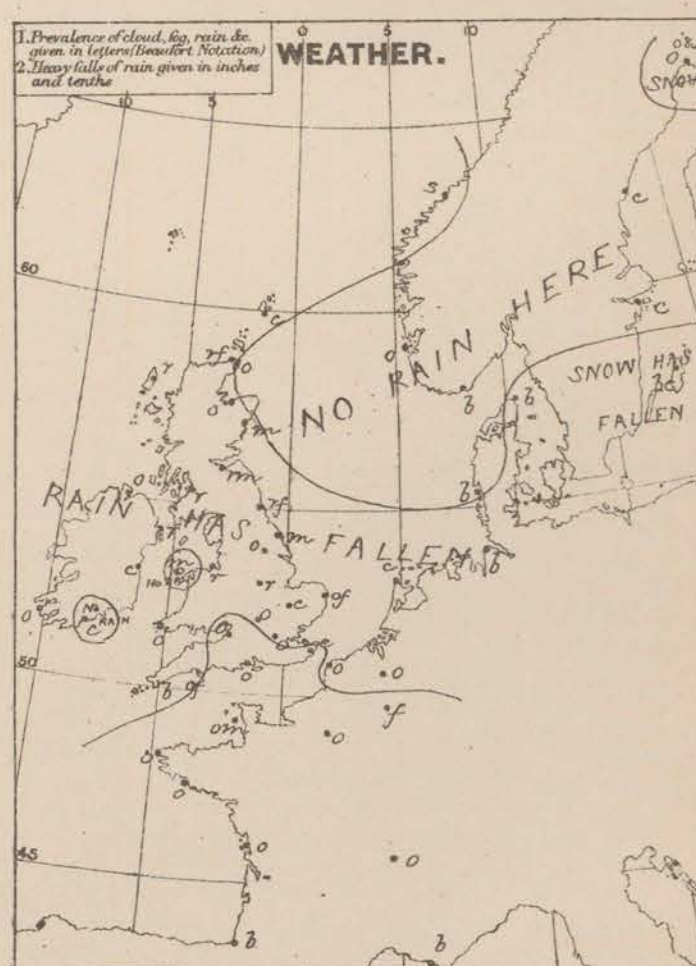
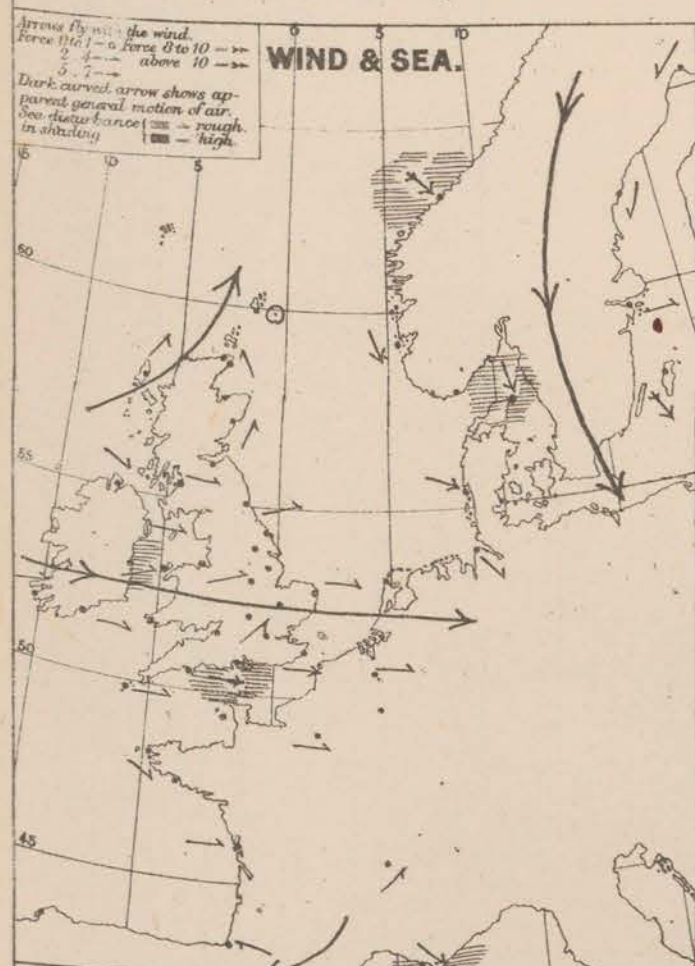
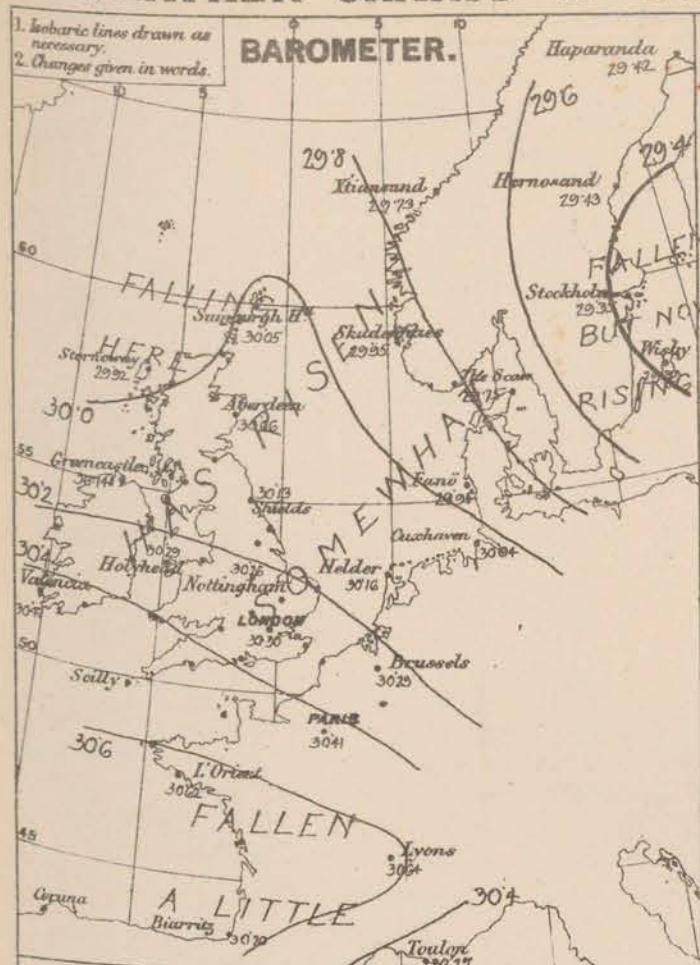
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 15TH JAN^Y 1876.



REMARKS. Weather is overcast or cloudy except over North Germany and Denmark, with rain at many of our more northern stations, mist or fog in many places and snow at Christiansund. Light rain has fallen generally. Temperature has changed rather irregularly; in the extreme west and over France it has risen but elsewhere the general tendency is to fall; it varies from 37° to 50° over Scotland, from 49° to 54° over Ireland and from 46° to 53° over England. In the south of France it is still low, Biarritz being only 30° . Wind is moderate from W. over Ireland, England and France, light and variable in Scotland, and strong from NW. in Scandinavia, blowing a gale at Trondheim. Sea is moderate to smooth.

Barometrical Indications: Pressure is increasing briskly on the eastern shores of the North Sea, but is changing very little in these Islands and decreasing in France. It is highest over Spain, and, while the large depression noticed yesterday is disappearing over the Baltic, a second area of low pressure seems to be approaching our north west coasts.

DAILY WEATHER REPORT JAN. 16TH 1878.

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 13).			Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 13).			Max.	Min.		
Haparanda ...	29.61	13	NE	2	o	29.62	+ .20	5	5	- 11	SE	2	o	*	16	3	-
Hernösand ...	29.76	11	NE	2	o	29.72	+ .29	9	8	- 3	NNE	2	o	*	*	*	-
Stockholm ...	29.64	27	NW	2	o	29.76	+ .41	24	23	o	N	2	o	*	*	*	-
Wisby ...	29.60	34	N	6	o	29.77	+ .38	31	29	- 2	NNW	6	o	*	*	*	-
Christiansund ...	29.90	33	WSW	4	o	29.68	- .05	29	28	- 7	ESE	4	o	5	36	27	-
Skudesnaes ...	29.94	29	Z	10	o	29.64	- .31	32	30	- 4	SE	8	o	5	36	28	-
Oxö (Xtiansand) ...	29.91	33	NW	4	o	29.82	+ .01	30	27	- 6	N	4	o	2	36	25	-
Skagen (The Seaw) ...	29.88	36	NNE	3	o	29.86	+ .11	33	31	- 3	Z	o	o	0	37	27	-
Fanö ...	29.96	39	NNW	4	o	29.85	- .10	32	33	- 4	SW	2	5	*	39	32	-
Cuxhaven ...	30.07	38	NW	2	o	29.93	- .11	37	37	o	SSE	2	+	*	39	36	0.06
Sumburgh Head ...	29.85	38	SE	5	+	29.84	- .01	45	44	+ 10	NW	6	o	6	47	30	0.43
Stornoway ...	29.85	50	N	5	+	29.92	- .02	43	42	- 4	NNW	5	o	4	50	42	0.63
Thurso ...	29.81	47	Z	o	+	29.75	- .23	45	44	+ 8	WSW	5	pg	4	51	34	0.46
Wick ...	29.81	46	N	2	m	29.77	- .24	44	42	+ 4	N	5	+	3	50	38	0.23
Nairn ...	29.87	48	N	1	+	29.86	- .15	46	45	+ 8	N	2	o	1	50	38	0.23
Aberdeen ...	29.88	44	SSW	1	+	29.78	- .28	49	46	+ 10	NNW	4	o	1	53	39	0.18
Leith ...	29.99	50	N	4	o	29.90	- .18	50	49	+ 8	N	4	o	*	53	40	0.04
Shields ...	30.01	51	NNW	5	o	29.96	- .17	49	47	+ 5	NNW	6	o	2	51	43	0.02
Scarborough ...	30.05	49	WSW	2	o	29.99	- .16	48	46	+ 3	N	3	o	2	51	45	0.03
York ...	30.13	49	N	5	o	30.06	- .13	48	47	- 1	N	6	o	*	51	46	0.03
Nottingham ...	30.22	48	SW	2	o	30.18	- .08	47	44	- 2	WSW	3	o	*	51	45	0.05
Ardrossan ...	30.06	51	N	6	+	30.00	- .09	50	49	o	NNW	4	o	3	52	50	0.21
Greencastle ...	30.14	52	N	4	o	30.08	- .06	50	50	- 4	N	4	o	*	53	49	0.16
Donaghadee ...	30.18	49	N	5	o	30.10	- .09	50	49	o	N	5	o	4	51	48	-
Kingstown ...	30.28	52	NNW	6	o	30.23	- .05	51	48	- 1	N	5	o	4	54	48	-
Holyhead ...	30.28	50	WSW	4	o	30.23	- .06	49	47	o	WSW	3	m	4	53	47	-
Liverpool (Bidston) ...	30.22	49	WSW	7	o	30.14	- .09	49	46	+ 1	WSW	7	o	4	50	46	0.02
Valencia ...	30.46	50	WSW	5	o	30.43	- .04	51	48	- 1	SW	4	o	4	54	49	-
Roche's Point... ..	30.45	49	N	4	o	30.42	- .04	46	44	- 3	N	3	o	3	52	45	-
Pembroke ...	30.39	50	N	4	o	30.38	- .02	49	48	- 1	N	4	o	3	51	48	-
Portishead ...	30.35	47	N	4	o	30.32	- .05	45	43	- 1	WSW	4	o	3	51	41	-
Scilly ...																	
Plymouth ...	30.45	49	NNW	2	o	30.42	- .04	47	45	- 1	NNW	3	o	*	54	45	-
Hurst Castle ...	30.36	48	NNW	4	o	30.35	- .02	49	46	+ 1	NNW	5	o	5	52	45	-
Dover ...	30.27	50	NNW	3	o	30.27	- .02	45	43	- 4	NNW	4	o	3	53	44	-
London ...	30.30	53	NNW	2	o	30.29	- .01	45	43	- 3	N	3	o	*	54	42	-
Oxford ...	*	*	*	*	*	30.28	- .03	45	43	- 4	N	1	o	*	54	42	-
Cambridge ...	30.28	47	N	2	+	30.20	- .08	46	44	- 3	SW	2	o	*	53	44	0.02
Yarmouth ...	30.13	49	NNW	4	o	30.08	- .12	46	44	o	N	5	o	2	50	44	0.03
The Helder... ..	*	*	*	*	*	29.98	- .18	46	45	+ 3	N	4	o	*	*	*	0.20
Cape Gris Nez ...	30.18	48	N	3	m	30.28	- .02	46	45	o	NNW	5	o	4	48	45	-
Jersey ...	30.30	50	N	4	o	30.48	- .04	49	46	- 1	N	4	o	4	54	42	-
Brest ...	30.58	50	NNW	2	o	30.56	- .04	48	46	- 2	NNW	3	o	3	52	46	-
L'Orient ...	30.58	48	NNW	3	o	30.56	- .06	48	45	o	NNW	3	o	3	50	45	-
Rochefort ...	30.56	46	NNW	4	o	30.54	- .08	46	45	+ 4	N	3	o	3	52	41	-
Biarritz ...	30.63	50	ENE	2	o	30.57	- .13	39	34	+ 9	E	2	o	3	?	?	-
Corunna ...	*	*	*	*	*										*	*	*
Brussels ...	*	*	*	*	*	30.20	- .03	47	45	o	N	4	o	*	49	45	0.20
Charleville ...	*	*	*	*	*	30.23	- .04	44	*	+ 3	N	o	o	*	*	*	*
Paris ...	30.38	50	N	3	o	30.38	- .03	47	45	+ 2	N	3	o	*	*	*	-
Lyons ...	*	*	*	*	*	30.44	- .20	41	*	+ 5	SE	2	g	*	*	*	*
Toulon ...	30.09	46	NNW	5	o	30.12	- .12	46	41	+ 9	Z	o	o	5	50	37	-

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	
Skudesnaes ...	29.97	33	31	SW	2	o	Valencia	30.46	53	50	WSW	5	bc	6
Thurso	29.86	42	42	S	1	rf	Scilly							
Scarborough ...	30.09	50	49	WSW	2	o	London	30.29	54	52	N	2	c	*
Greencastle ...	30.17	52	50	N	3	o	Rochefort ...	30.58	46	45	NNW	3	a	3
Holyhead	30.30	51	49	WSW	4	cm								

Pressure is giving way somewhat in the N. but scarcely changing elsewhere. Winds are not much altered.

EXPLANATION OF COLUMNS.

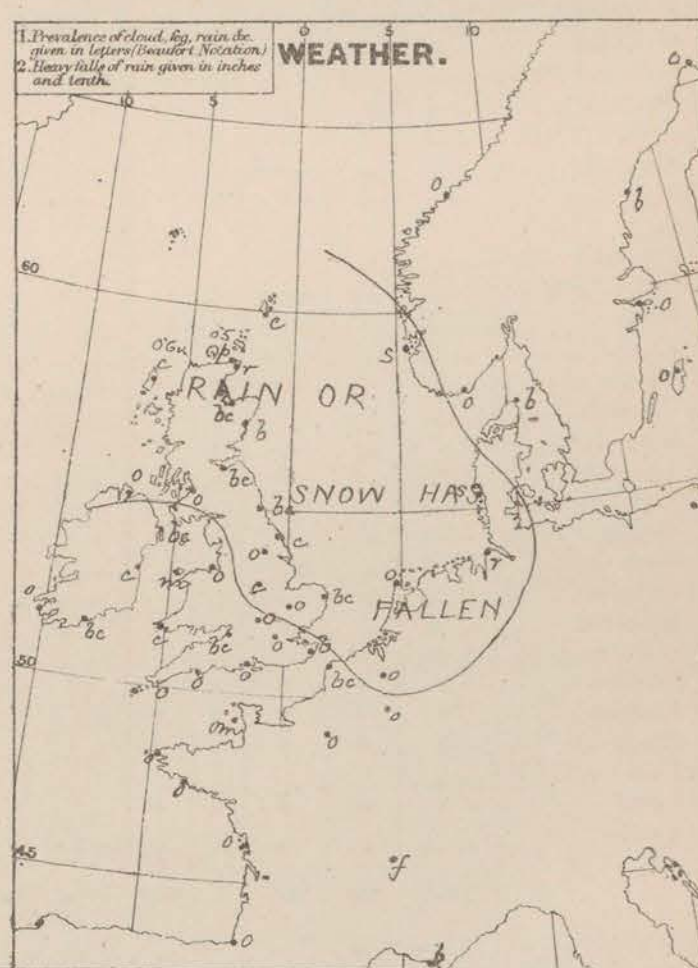
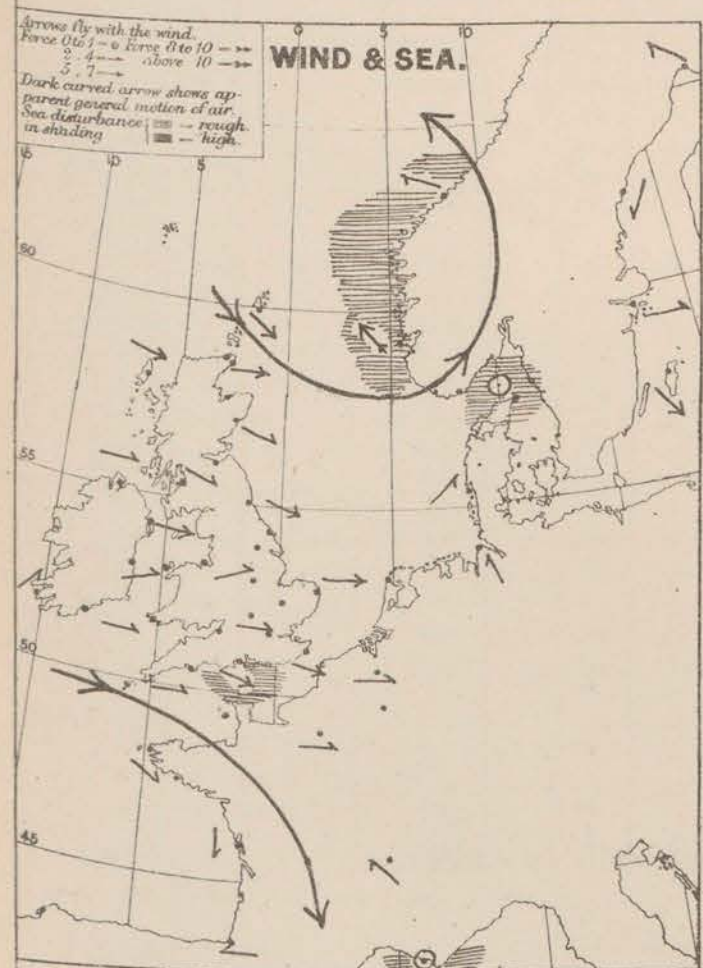
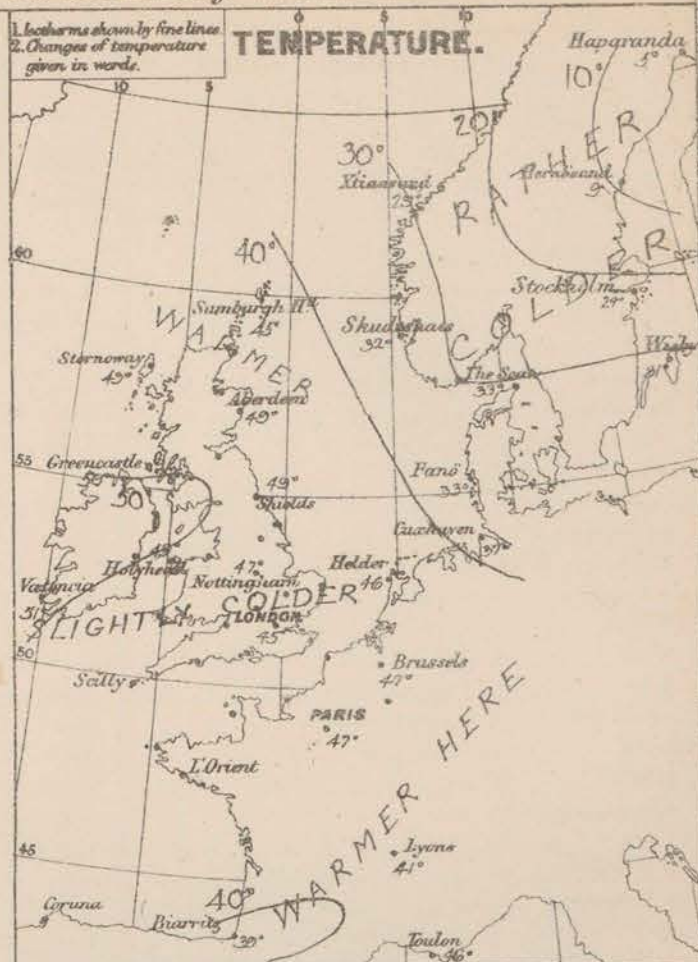
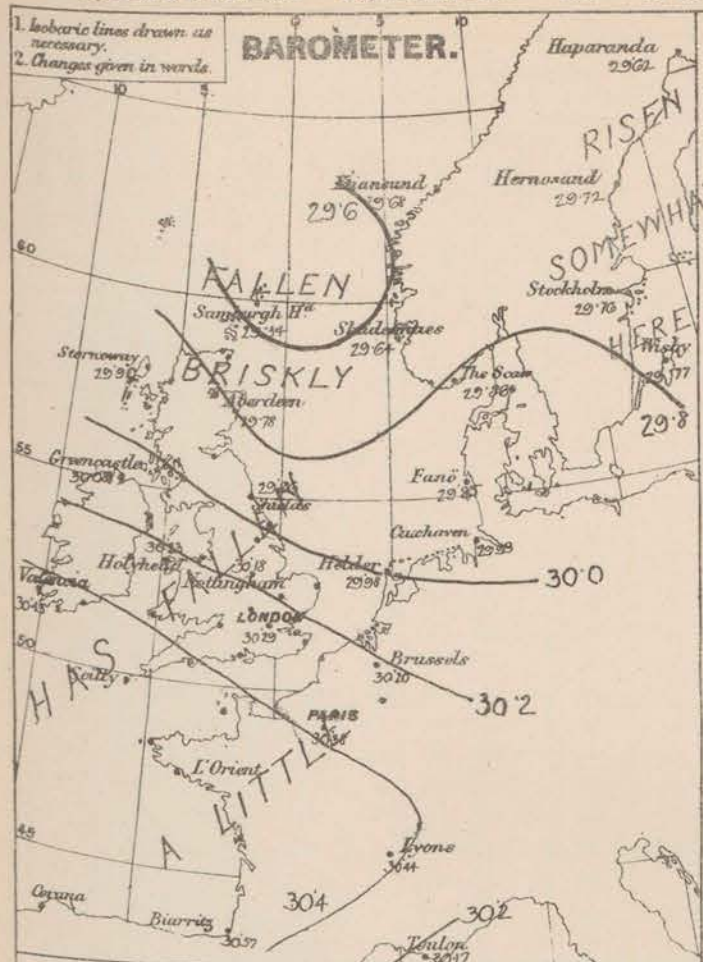
WEATHER.—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 16TH JAN^Y 1878.



REMARKS. Weather is locally fine at some of our east coast stations but is more or less cloudy elsewhere, with rain in Caithness and at Cuthbert, snow at Huddersfield and Farns. Rain fell at all the more northern stations yesterday but in slight amounts except in the extreme north of Scotland. Temperature has fallen somewhat in the south of these Islands, the north of France and over Scandinavia, but has risen in all other places, quickly in Scotland; it is moderately uniform over these Islands and France but is rather lower over the Gulf of Bothnia. Wind is generally W on our coast and the French coast but in the Shetlands it draws into NW, while in the west of Norway it is SE; it is moderate in force at most stations, but blows fresh in some places and reaches a fresh gale at Huddersfield; during last night it blew a hard gale across the mouth of the Tyne. Sea is rough between the Shetlands and the west coast of Norway, moderate to smooth elsewhere.

Barometrical Indications. Pressure has increased quickly in Sweden during the past 24 hours, but has decreased in all parts of Western Europe. In the north the change has been rather brisk, and a small depression is passing from west to east to the NW of Scotland.

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

R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT JAN^y 17th 1878.

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.			
			Direc.	Force. (0 to 15).			Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 15).			Max.	Min.				
Haparanda ...	29.82	8	Z	0	o	29.91	+ .29	9	9	+ 4	Z	0	o	*	9	5	-		
Hernösand ...	29.75	8	N	2	o	29.95	+ .23	15	14	+ 6	N	2	o	*	*	*	-		
Stockholm ...	29.72	14	WSW	2	o	29.82	+ .06	15	15	- 9	Z	0	f	*	*	*	-		
Wisby ...	29.77	24	ENE	4	o	29.80	+ .03	33	32	+ 2	E	4	o	*	*	*	-		
Christiansund ...	29.69	26	ESE	1	o	29.80	+ .12	33	32	+ 4	SW	3	5	4	34	?	-		
Skudesnaes ...	29.72	23	NN	2	o	29.93	+ .29	38	37	+ 6	NN	6	T	4	?	32	-		
Oxö (Xiansand) ...	29.61	23	NE	6	5	29.89	+ .07	31	29	+ 1	WSW	4	o	2	34	27	-		
Skagen (The Sca) ...	29.65	31	SE	4	5	29.91	+ .05	32	31	- 1	Z	0	o	0	34	27	0.08		
Fanö ...	29.57	41	N	6	o	29.99	+ .14	33	32	o	NNN	4	c	*	41	32	0.28		
Cuxhaven ...	29.73	4	NN	6	T	29.97	+ .04	36	35	- 1	N	5	o	*	41	34	0.27		
Sumburgh Head ...	29.80	43	NN	6	o	30.10	+ .36	40	38	- 5	NNN	3	T	4	?	45	37	0.06	
Stornoway ...	30.09	41	NNN	4	o	30.29	+ .39	38	37	- 5	N	1	o	4	44	36	0.04		
Thurso ...	29.95	44	NNN	6	c	30.20	+ .45	43	42	- 2	N	4	c	4	46	42	0.08		
Wick ...	29.98	42	NN	6	o	30.22	+ .45	41	40	- 3	NN	3	o	2	44	39	0.04		
Nairn ...	30.07	43	N	2	o	30.29	+ .43	40	38	- 6	N	2	o	2	46	39	-		
Aberdeen ...	29.99	42	NNN	4	o	30.22	+ .44	42	39	- 7	NN	3	o	0	?	50	40	-	
Leith ...	30.11	45	N	2	o	30.31	+ .41	40	39	- 10	N	2	o	*	52	39	-		
Shields ...	30.11	46	NNN	5	o	30.33	+ .37	39	37	- 10	NN	2	o	2	52	37	-		
Scarborough ...	30.10	46	NNN	3	o	30.31	+ .32	40	38	- 8	NN	2	o	3	52	40	-		
York ...	30.15	43	NNN	2	o	30.36	+ .30	37	36	- 11	NNN	1	o	*	53	35	-		
Nottingham ...	30.21	49	NNN	1	o	30.39	+ .21	40	38	- 7	NNN	1	o	*	50	38	0.07		
Ardrossan ...	30.18	47	NNN	4	c	30.34	+ .34	45	43	- 5	NNN	2	c	2	50	44	0.01		
Greencastle ...	30.25	46	N	3	o	30.36	+ .28	43	43	+ 7	WSW	2	om	*	57	39	0.05		
Donaghadee ...	30.29	49	NN	3	c	30.40	+ .30	40	39	- 10	WSW	2	o	2	50	40	0.01		
Kingstown ...	30.31	57	NNN	4	o	30.44	+ .21	47	46	- 4	Z	0	f	1	52	45	0.04		
Holyhead ...	30.28	50	N	6	o	30.43	+ .20	45	43	- 5	Z	0	m	0	53	44	0.02		
Liverpool (Bidston) ...	30.23	45	N	4	o	30.41	+ .27	42	40	- 7	NNN	3	o	2	49	42	-		
Valencia ...	30.46	57	N	3	c	30.55	+ .12	47	47	- 4	N	1	c	2	54	46	-		
Roche's Point... ..	30.46	57	NNN	4	o	30.52	+ .10	44	41	- 2	N	3	o	3	54	42	-		
Pembroke ...	30.35	50	NNN	5	o	30.46	+ .08	49	49	o	NN	1	c	2	57	48	-		
Portishead ...	30.31	46	NNN	5	c	30.42	+ .10	41	40	- 4	NNN	3	o	2	57	40	-		
Scilly ...	30.41	50	NNN	2	o	30.48	+ .06	49	48	+ 2	SW	1	omd	*	57	47	0.02		
Plymouth ...	30.30	49	NNN	2	o	30.43	+ .08	40	39	- 9	Z	0	ow	2	57	37	-		
Hurst Castle ...	30.18	50	NNN	4	o	30.37	+ .10	46	44	+ 1	NNN	3	o	2	57	40	-		
Dover ...	30.23	52	NNN	3	o	30.40	+ .11	40	38	- 5	NNN	2	o	*	52	39	-		
London ...	*	*	*	*	*	30.41	+ .13	43	40	- 2	N	1	o	*	57	41	-		
Oxford ...	30.27	48	NNN	3	o	30.39	+ .19	37	36	- 9	NN	1	o	*	57	35	-		
Cambridge ...	30.08	48	NN	6	o	30.31	+ .23	36	36	- 10	NNN	2	def	2	50	35	-		
Yarmouth ...	*	*	*	*	*	30.18	+ .18	43	42	- 3	NNN	3	c	*	*	*	0.12		
The Helder. ...	30.23	46	N	6	o	30.34	+ .06	43	41	- 3	NN	4	o	3	48	43	-		
Cape Gris Nez ...	30.46	49	NNN	4	o	30.48	o	50	48	+ 1	NN	3	o	3	50	47	-		
Jersey ...	30.53	50	NNN	3	o	30.53	- .03	50	48	+ 2	NNN	3	o	3	50	46	-		
Brest ...	30.54	48	NNN	3	o	30.52	- .04	46	45	- 2	NN	2	o	2	50	45	-		
L'Orient ...	30.50	46	NN	2	o	30.48	- .06	46	45	o	NNN	2	o	3	48	41	-		
Rochefort ...	30.56	?	ENE	1	o	30.34	- .03	39	36	o	ENE	2	o	3	48	34	-		
Biarritz ...	*	*	*	*	*	30.29	+ .09	40	39	- 7	NNN	3	o	*	49	40	0.16		
Corunna ...	*	*	*	*	*	30.30	+ .07	41	40	- 3	NN	1	o	*	*	*	*		
Brussels ...	30.32	47	N	4	o	30.39	+ .01	46	43	- 1	NN	3	o	*	*	*	*		
Charleville ...	*	*	*	*	*	30.19	- .25	45	45	+ 4	N	1	o	*	*	*	*		
Paris ...	30.12	52	N	3	o	30.04	- .13	45	43	+ 2	NN	4	o	4	55	45	-		
Lyons ...	30.12	52	N	3	o	30.04	- .13	45	43	+ 2	NN	4	o	4	55	45	-		
Toulon ...	30.12	52	N	3	o	30.04	- .13	45	43	+ 2	NN	4	o	4	55	45	-		

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.46	35	35	ESE	7	rs	4	Valencia	30.44	54	50	WSW	4	c	5
Thurso	29.88	43	42	NNN	6	pgc	5	Scilly							
Scarborough ...	30.00	52	48	NNN	4	o	4	London	30.21	52	49	N	3	o	*
Greencastle ...	30.19	48	45	N	2	o	*	Rochefort ...	30.34	48	45	NN	3	o	3
Holyhead	30.23	57	50	N	6	mc	5								

Pressure is increasing in North, but decreasing at all the more Southern stations.
Winds are north westerly in the North, and fresh in force.

EXPLANATION OF COLUMNS.

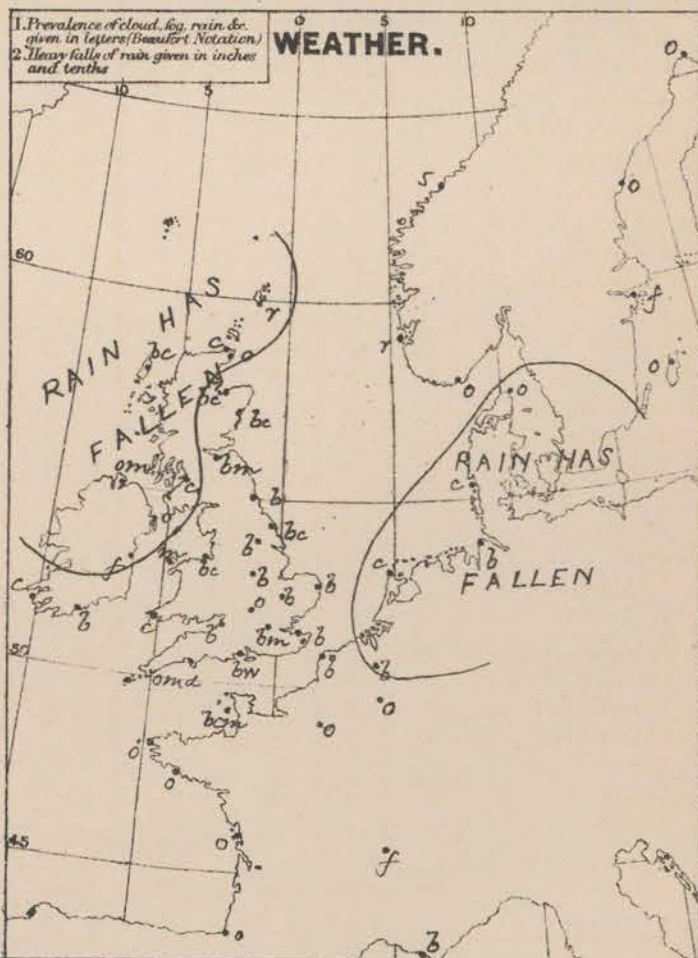
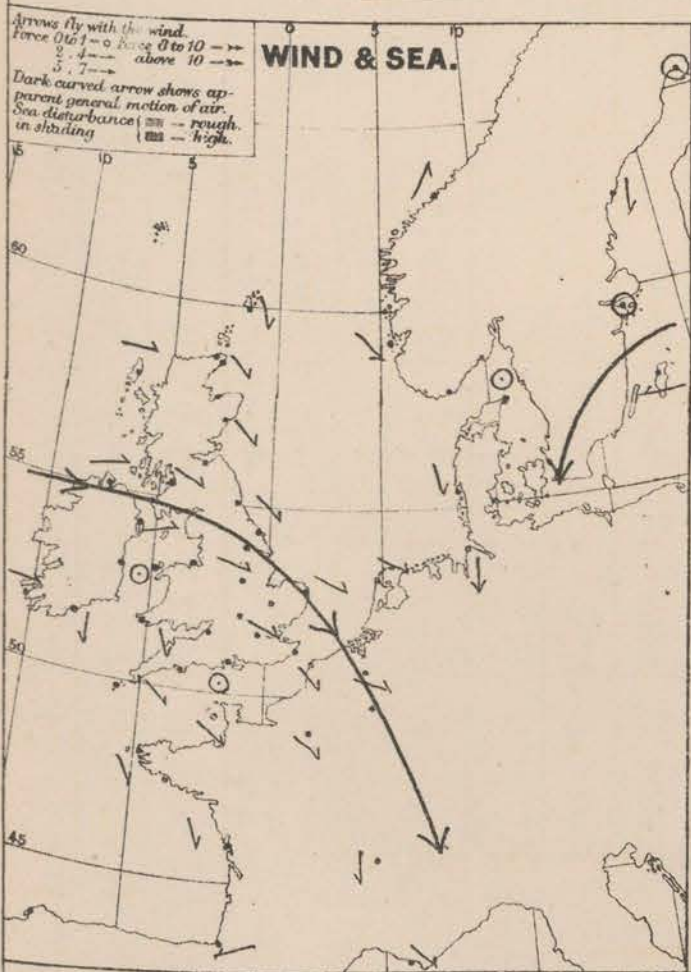
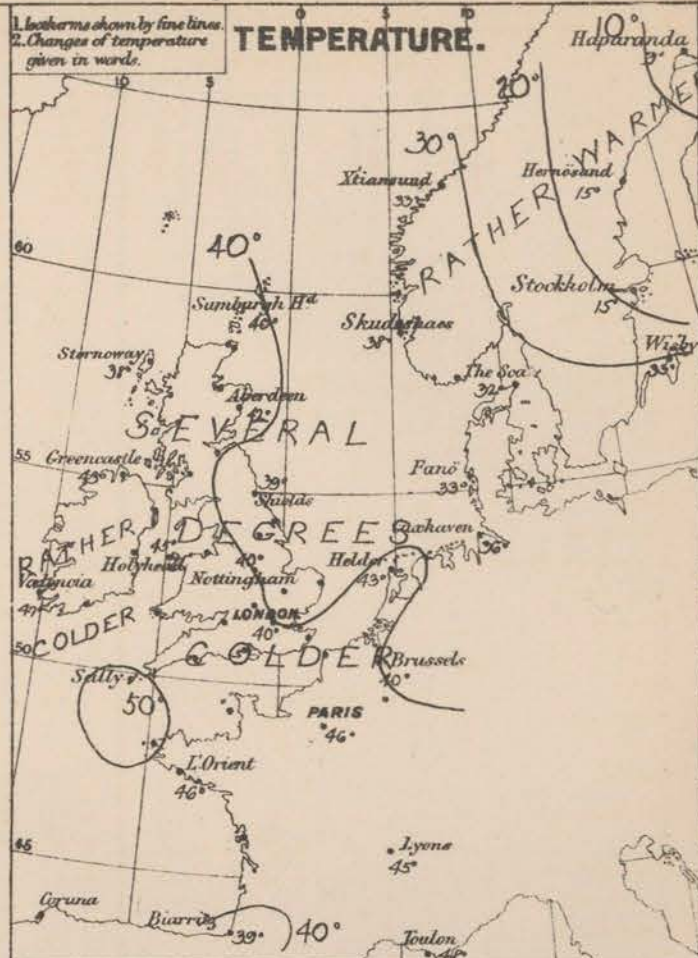
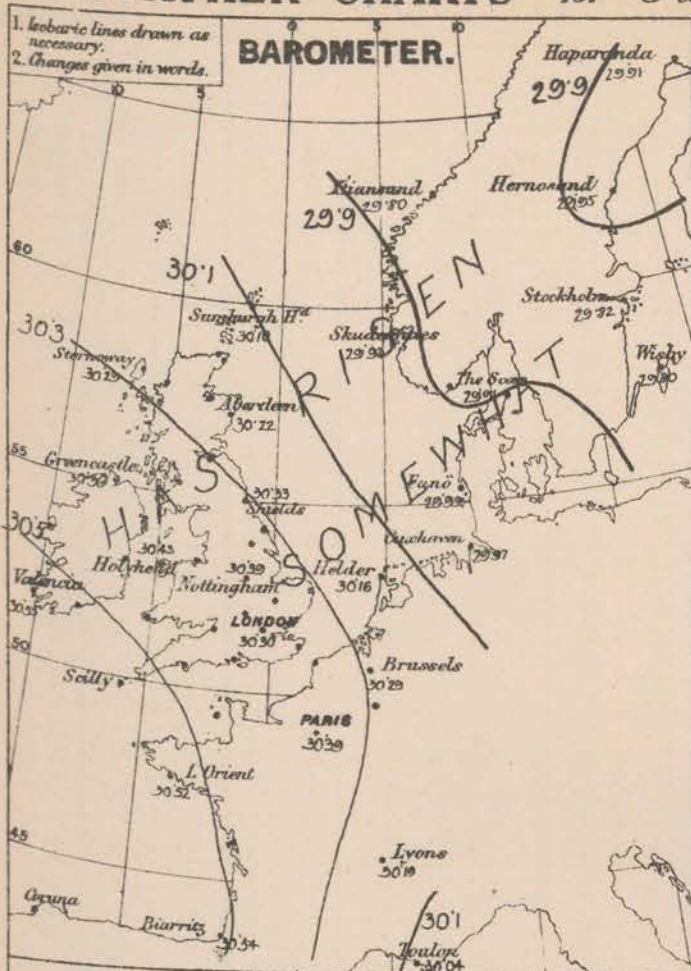
WEATHER.—Beaufort scale is, b. blue sky; o. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. equally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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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 Thursday 17th JANY 1878.



REMARKS. Weather is cloudy or overcast at most of the Continental stations, with rain at Helsingfors and snow at Christiania but over these Islands the sky is moderately clear, though some mist and fog is reported. Rain fell in small quantities in the north-west and north yesterday. Temperature has fallen in nearly all places except Sandness, the change at our central and south eastern stations being about 10°; it now varies from 38° to 45° in Scotland, from 40° to 47° in Ireland and from 36° to 50° in England. In the Gulf of Bothnia the weather is still cold. Wind is W to NW on all coasts; it is generally moderate or light in force but blows fresh at Helsingfors and Christiania. Sea is moderate to slight.

Barometrical Indications. Pressure is decreasing slightly over France, but is increasing in all other places; it is high and moderately uniform over these Islands and comparatively low over Scandinavia.

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

R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT

JAN 18TH

1878.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PART 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 8 A.M. and Sea Level.	Difference from 6 A.M. yesterday.	Dry.	Wet.	Difference from 6 A.M. yesterday.	Direc.	Force. (0 to 12).			Max.	Min.			
Haparanda ...	29.89	19	S	4	o	29.95	+ .04	3	2	- 6	Z	0	f	*	19	1	-		
Hernösand ...	30.10	3	Z	0	o	30.14	+ .19	5	5	- 10	N	2	f	*	*	*	-		
Stockholm ...	30.07	22	WNW	2	o	30.16	+ .34	17	17	+ 2	N	6	o	*	*	*	-		
Wisby ...	30.03	31	NNW	4	o	30.12	+ .32	28	27	- 5	NNW	6	o	*	*	*	-		
Christiansund ...																			
Skudesnaes ...	30.21	36	NE	4	o	30.33	+ .40	34	33	- 4	ESE	2	o	2	?	?	-		
Oxö (Klansand) ...	30.18	27	N	4	o	30.29	+ .40	23	22	- 8	NNW	2	c	1	?	?	-		
Skagen (The Scaev) ...	30.19	32	ENE	2	o	30.30	+ .39	27	25	- 5	Z	0	o	0	34	25	-		
Fano ...	30.17	34	N	4	o	30.37	+ .38	30	30	- 3	Z	0	o	*	39	30	-		
Cuxhaven ...	30.10	4	N	4	o	30.37	+ .40	34	34	- 2	NE	1	o	*	39	?	-		
Sumburgh Head ...	30.31	34	Z	0	o	30.25	+ .15	42	40	+ 2	SW	2	c	3	43	32	0.03		
Stornoway ...	30.33	40	SW	1	o	30.29	.00	43	42	+ 5	SW	1	o	3	46	36	0.03		
Thurso ...	30.32	42	N	1	o	30.28	+ .08	37	36	- 6	SSW	1	o	2	46	34	0.06		
Wick ...	30.35	41	N	1	o	30.30	+ .08	39	38	- 2	Z	0	o	0	44	35	0.02		
Nabn ...	30.36	37	N	2	o	30.33	+ .04	41	40	+ 1	SW	1	o	2	43	33	-		
Aburdeen ...	30.36	41	N	2	o	30.33	+ .11	34	32	- 8	WSW	1	c	1	44	31	-		
Leith ...	30.40	41	N	2	o	30.38	+ .07	42	41	+ 2	N	1	o	*	48	40	-		
Shield ...	30.41	42	WNW	4	o	30.44	+ .11	38	37	- 1	Z	0	o	3	46	32	-		
Scarborough ...	30.39	40	NNW	2	o	30.45	+ .14	35	34	- 5	WSW	1	o	2	45	35	-		
York ...	30.42	37	NNW	1	o	30.48	+ .12	32	31	- 5	WSW	1	o	*	47	29	-		
Nottingham ...	30.45	42	N	1	o	30.51	+ .12	29	29	- 11	Z	0	o	*	47	27	-		
Ardrossan ...	30.41	44	Z	0	o	30.40	+ .06	48	47	+ 3	NNW	2	o	1	49	43	0.04		
Greencastle ...	30.39	49	N	0	o	30.45	+ .09	39	38	- 4	NN	1	o	*	51	?	0.17		
Donaghadee ...	30.44	45	SSW	2	o	30.46	+ .06	41	41	+ 1	SW	3	c	2	46	40	0.07		
Kingstown ...	30.46	49	WNW	5	o	30.50	+ .06	44	41	- 3	N	4	o	3	51	43	-		
Holyhead ...	30.44	49	N	2	m	30.48	+ .05	45	44	0	NNW	2	c	1	50	44	-		
Liverpool (Bidston) ...	30.44	43	N	1	m	30.48	+ .07	42	42	0	SSE	1	o	1	45	41	0.07		
Valencia ...	30.57	46	N	1	o	30.57	- .04	46	43	- 1	S	2	o	2	51	45	-		
Roche's Point... ?	30.56	49	NNW	3	o	30.55	+ .03	43	41	- 1	N	1	o	3	51	41	-		
Pembroke ...	30.57	48	NNW	1	o	30.57	+ .05	44	44	- 5	NNW	1	o	1	49	43	-		
Portishead ...	30.44	45	NNW	3	o	30.45	+ .03	46	45	+ 5	NN	2	c	2	50	39	-		
Selly ...																			
Plymouth ...	30.50	50	Z	0	o	30.50	+ .02	41	41	- 8	Z	0	o	*	54	41	-		
Hurst Castle ...	30.45	47	NNW	1	o	30.48	+ .05	45	45	+ 5	ESE	1	o	2	47	38	0.03		
Dover ...	30.42	49	NNW	3	o	30.48	+ .11	41	38	- 5	NNW	3	o	1	?	39	-		
London ...	30.45	45	NNW	2	o	30.49	+ .09	32	31	- 8	Z	0	o	*	47	32	-		
Oxford ...	*	*	*	*	*	30.49	+ .08	41	40	- 2	Z	0	m	*	45	41	0.02		
Cambridge ...	30.41	42	N	1	o	30.49	+ .10	32	32	- 5	NN	1	o	*	50	29	-		
Yarmouth ...	30.37	42	NNW	0	o	30.45	+ .14	38	37	+ 2	NN	2	o	3	44	35	-		
The Helder ...	*	*	*	*	*	30.39	+ .23	39	39	- 4	N	1	o	*	*	*	0.04		
Cape Gris Nez ...	30.41	45	NNW	3	o	30.47	+ .13	43	41	0	NNW	1	o	0	46	41	-		
Jersey ...	30.57	49	NNW	3	o	30.50	+ .02	48	41	- 2	NNW	3	o	2	42	46	0.06		
Brest ...	30.56	52	N	2	c	30.53	.00	46	46	- 4	N	2	o	3	52	48	-		
O'Orion ...	30.53	50	NNW	2	o	30.50	- .02	46	45	0	NE	2	c	2	50	43	-		
Rocheport ...	30.47	48	NNW	2	o	30.46	- .02	45	43	- 1	ENE	3	o	3	52	41	-		
Biarritz ...	30.55	48	Z	0	o	30.47	- .07	41	37	+ 2	ESE	1	o	3	?	37	-		
Corunna ...	*	*	*	*	*									*	*	*	*		
Brussels ...	*	*	*	*	*	30.40	+ .14	40	39	0	NNW	4	o	*	49	40	0.12		
Charleville ...	*	*	*	*	*	30.32	+ .02	39	*	- 2	N	1	o	*	*	*	*		
Paris ...	30.43	45	NNW	1	o	30.48	+ .09	41	38	- 5	NN	3	o	*	*	*	-		
Lyons ...	*	*	*	*	*	30.43	+ .24	41	*	- 4	N	2	o	*	*	*	*		
Toulon ...	30.07	48	NNW	6	o	30.08	+ .04	43	37	- 5	NNW	6	o	6	55	46	-		
YESTERDAY'S 2 P.M. REPORTS AND REMARKS.																			
	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.													
Skudesnaes ...	30.11	36	34	NNW	5	c	2	Valencia	30.56	50	47	WSW	2	c	3				
Thurso	30.29	45	44	NN	3	o	4	Scilly											
Scarborough ...	30.34	45	42	NNW	2	o	3	London	30.42	47	44	NN	2	c	*				
Greencastle ...	30.38	45	45	S	1	m	*	Rocheport ...	30.49	48	46	NN	4	o	3				
Holyhead	30.44	49	48	N	2	m	1												

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.

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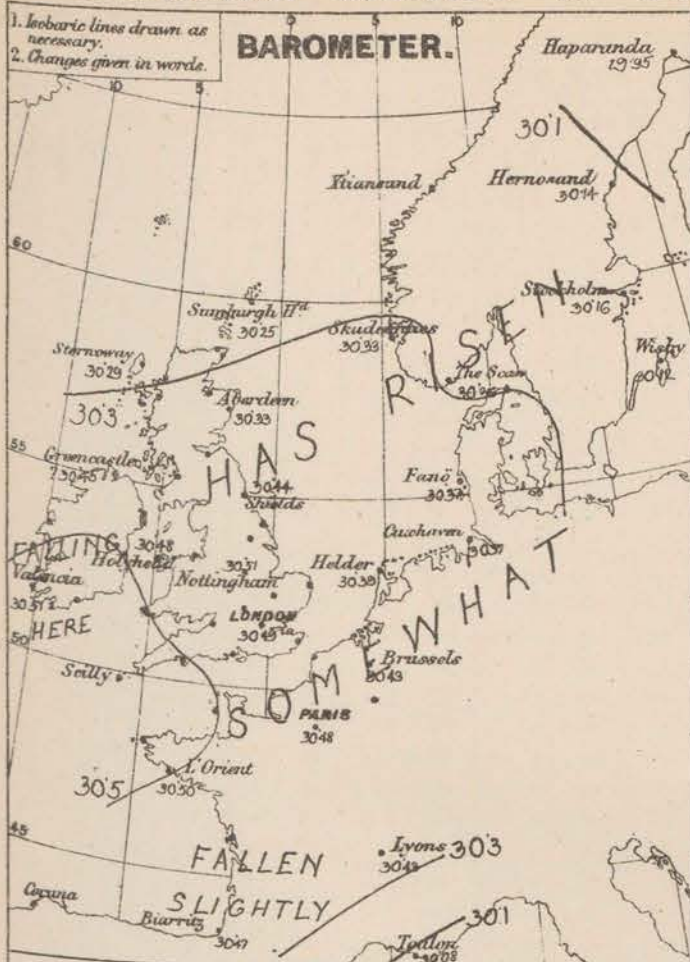
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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

WEATHER CHARTS for 8 a.m. on Friday 18th JANY 1878.

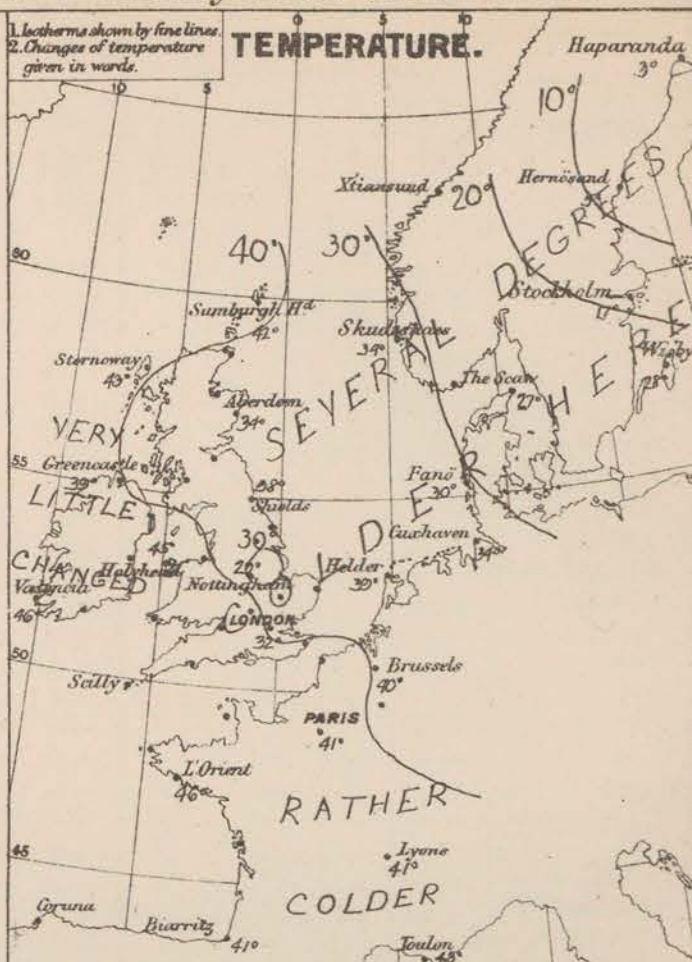
1. Isobaric lines drawn as necessary.
2. Changes given in words.

BAROMETER.



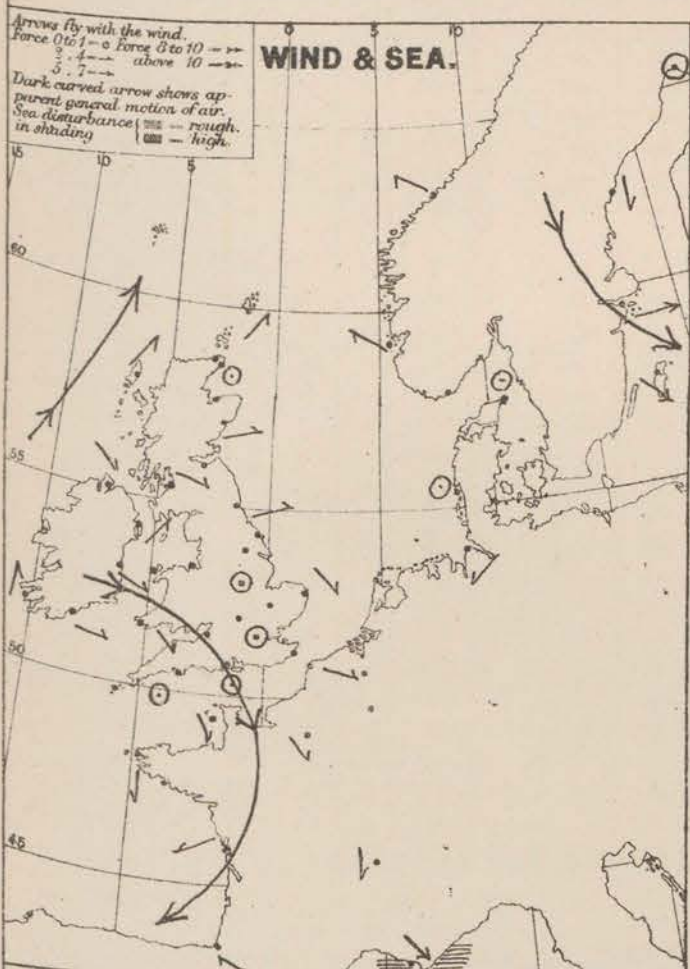
1. Isotherms shown by fine lines.
2. Changes of temperature given in words.

TEMPERATURE.



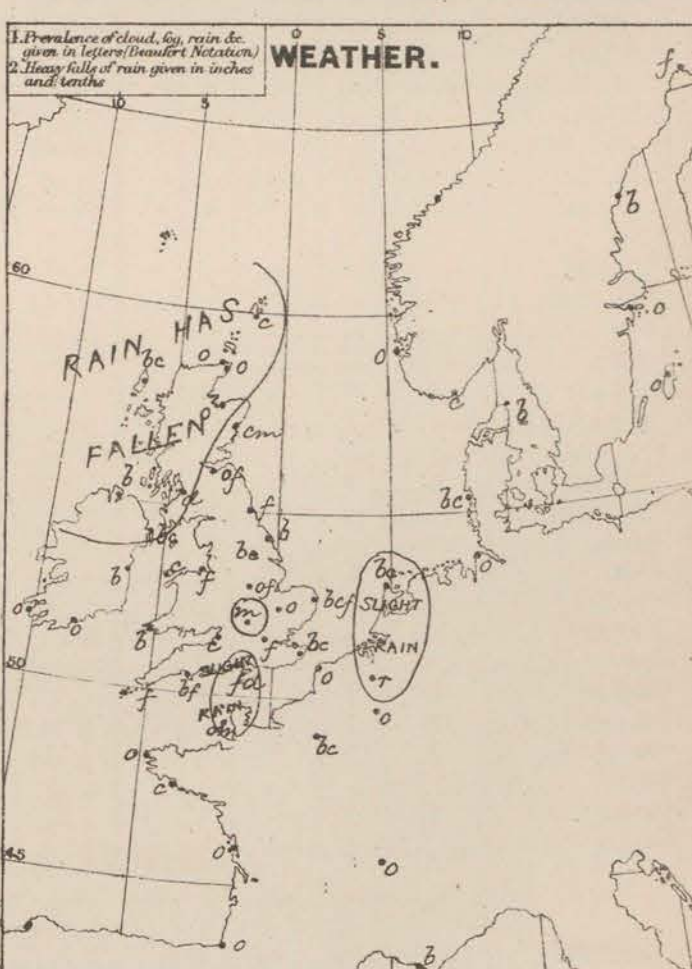
1. Arrows fly with the wind. Force 0 to 10 ——— above 10 ———
2. Dark curved arrow shows apparent general motion of air. Sea disturbance in shading ——— rough ——— high.

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. Weather is locally fine and the sky clear at some of our stations and in Denmark but elsewhere it is cloudy or overcast, with rain at Brussels and a great deal of fog and mist over England. Night rain has fallen at a few places but the weather has been generally dry. Temperature has fallen over nearly the whole of Western Europe; it is low over central England and is as low as 3° F. in the Gulf of Bothnia; it at present varies from 34° to 48° over Scotland, from 39° to 46° over Ireland, and from 29° to 45° over England. Wind is light on all coasts; from S. at Valentia, from W. to SW. at our other stations; from NW in the Netherlands and north east of France, and from E over the Bay of Biscay. Sea is slight or smooth. Barometrical Indications Since yesterday morning the barometer has risen briskly over Scandinavia, and slightly, at most of our stations, but a decrease of pressure which commenced at Valentia yesterday afternoon has since passed on to all our more northern coasts. Readings are very uniform over Western Europe.

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

R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT

JAN 19th 1878.

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 3.)	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 ...	29.64	25	SW	4	0	29.72	- .23	22	21	+ 19	NE	2	bc	*	?	1	-	
Hernösand ...	30.03	30	W	2	0	29.92	- .22	?	?	?	W	2	E	*	*	*	-	
Stockholm ...	30.20	17	WSW	2	0	30.12	- .04	26	24	+ 9	W	6	0	*	*	*	-	
Wisby ...	30.21	31	SW	6	0	30.15	+ .03	23	32	+ 5	NW	6	0	*	*	*	-	
Christiansund ...																		
Skudesnaes ...	30.37	36	ESE	1	0	30.30	- .03	36	36	+ 2	ENE	2	0	2	?	?	-	
Oxö (Tiansand) ...	30.32	24	NW	2	0	30.25	- .04	23	?	0	NNW	2	0	1	28	21	-	
Skagen (The Seaw) ...	30.28	33	WSW	2	0	30.28	- .02	31	30	+ 4	WSW	2	0	0	?	21	-	
Fanö ...	30.40	35	W	2	0	30.40	+ .03	36	36	+ 6	W	2	0	*	?	?	-	
Cuxhaven ...	30.47	35	SW	1	0	30.49	+ .12	36	36	+ 2	WSW	1	0	*	?	32	-	
Lumburgh Head ...	30.27	45	NNW	3	0	30.21	- .04	44	44	+ 2	SW	2	0	3	45	39	0.01	
Stornoway ...	30.32	44	SSW	1	0	30.13	- .16	43	40	0	SW	6	bcw	5	47	39	0.04	
Thurso ...	30.31	41	Z	0	0	30.19	- .09	38	37	+ 1	S	1	0	2	50	34	0.02	
Wick ...	30.32	42	SW	1	0	30.21	- .09	41	40	+ 2	S	2	bc	0	47	39	0.03	
Nairn ...	30.35	45	SW	1	0	30.24	- .09	42	40	+ 1	Z	0	bc	1	47	40	-	
Aberdeen ...	30.37	41	Z	0	0	30.28	- .05	40	38	+ 6	S	2	bc	1	43	34	-	
Leith ...	30.42	45	W	2	0	30.32	- .06	43	41	+ 1	SSW	1	0	*	55	39	-	
Shields ...	30.44	44	NNW	1	0	30.40	- .04	41	39	+ 3	WSW	1	0	2	45	37	0.03	
Scarborough ...	30.44	40	WSW	2	0	30.42	- .00	41	40	+ 6	WSW	2	0	2	42	35	-	
York ...	30.47	38	WSW	1	0	30.43	- .05	38	37	+ 6	SW	1	0	*	39	30	-	
Nottingham ...	30.50	40	Z	0	0	30.47	- .04	40	40	+ 11	Z	0	0	*	40	29	0.01	
Ardrossan ...	30.42	46	SSW	2	0	30.32	- .08	43	40	- 5	SSW	3	0	3	48	43	0.01	
Greencastle ...	30.38	45	SW	1	0	30.22	- .23	42	41	+ 3	NW	1	0	*	50	?	-	
Donaghadee ...	30.45	43	S	2	0	30.23	- .13	41	40	0	SSE	3	bc	2	45	37	0.07	
Kingstown ...	30.50	45	Z	0	0	30.36	- .14	44	41	0	SSE	3	0	3	48	41	-	
Holyhead ...	30.49	46	WSW	1	0	30.39	- .09	45	43	0	SSW	1	0	0	49	43	-	
Liverpool (Bidston) ...	30.48	44	W	1	0	30.43	- .05	40	39	- 2	S	2	0	1	45	40	-	
Valencia ...	30.44	46	SSE	4	0	30.23	- .28	50	49	+ 4	S	6	ny	6	51	45	0.06	
Roche's Point... ..	30.50	48	S	0	0	30.34	- .21	48	47	+ 5	S	5	0	4	50	43	-	
Pembroke ...	30.51	45	NNW	1	0	30.43	- .08	47	44	+ 3	S	3	0	3	47	44	-	
Portishead ...	30.50	45	NW	3	0	30.46	+ .01	39	39	- 7	WSW	2	0	2	50	36	-	
Scilly ...																		
Plymouth ...	30.50	48	Z	0	0	30.48	- .02	43	42	+ 2	Z	0	0	*	51	41	-	
Hurst Castle ...	30.50	45	E	1	0	30.49	+ .01	45	44	0	ESE	1	0	2	45	42	0.01	
Dover ...	30.53	40	NNW	2	0	30.52	+ .04	41	39	0	WSW	3	0	2	46	35	-	
London ...	30.53	43	Z	0	0	30.52	+ .03	36	35	+ 4	Z	0	0	*	43	32	0.02	
Oxford ...	*	*	*	*	*	30.49	00	41	41	0	SW	1	0	*	45	40	-	
Cambridge ...	30.51	34	W	1	0	30.49	00	37	37	+ 5	SW	1	0	*	49	30	-	
Yarmouth ...	30.49	41	Z	0	0	30.49	+ .04	37	35	- 1	SW	2	0	1	42	34	-	
The Helder ...	*	*	*	*	*	30.48	+ .09	37	36	- 2	S	1	0	*	*	*	-	
Cape Gris Nez ...	30.52	41	NE	1	0	30.52	+ .05	39	37	- 4	S	1	0	0	45	37	-	
Jersey ...	30.52	46	Z	0	0	30.52	+ .02	44	44	- 4	S	2	0	2	50	43	0.01	
Brest ...	30.54	?	N	2	0	30.49	- .04	43	43	- 3	SE	2	0	3	54	41	-	
L'Orient ...	30.50	48	NE	1	0	30.51	+ .01	42	41	- 3	S	3	0	2	52	41	-	
Rochefort ...	30.45	48	ENE	2	0	30.45	- .01	34	34	- 11	ENE	3	0	3	50	?	-	
Biarritz ...	30.43	?	NNE	1	0	30.44	- .03	37	34	- 4	ESE	2	0	3	48	34	-	
Corunna ...	*	*	*	*	*	30.34	00	59	*	?	NE	3	0	1	*	*	-	
Brussels ...	*	*	*	*	*	30.54	+ .11	38	37	- 2	Z	0	0	*	43	38	-	
Charleville ...	*	*	*	*	*	30.48	+ .16	37	*	- 2	NNW	1	0	*	*	*	-	
Paris ...	30.51	44	NE	1	0	30.54	+ .06	40	38	- 1	?	2	0	*	*	*	-	
Lyons ...	*	*	*	*	*	30.54	+ .11	40	*	- 1	N	2	0	*	*	*	-	
Toulon ...	30.25	48	NE	1	0	30.39	+ .31	45	39	+ 2	E	5	0	4	50	41	-	

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

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		
Skudesnaes ...	30.38	35	34	ESE	1	0	2	Valencia ...	30.48	47	45	SSE	3	0	3
Thurso	30.30	48	46	Z	0	0	21	Scilly							
Scarborough ...	30.44	39	38	WSW	2	m	2	London	30.56	42	40	ENE	1	0	*
Greencastle ...	30.40	45	44	E	1	0	10	Rochefort ...	30.47	50	46	ENE	1	0	3
Holyhead	30.50	48	45	WSW	1	0	1								

Pressure still decreases in the N. with a S^W wind, but the changes everywhere are very slight.

EXPLANATION OF COLUMNS.

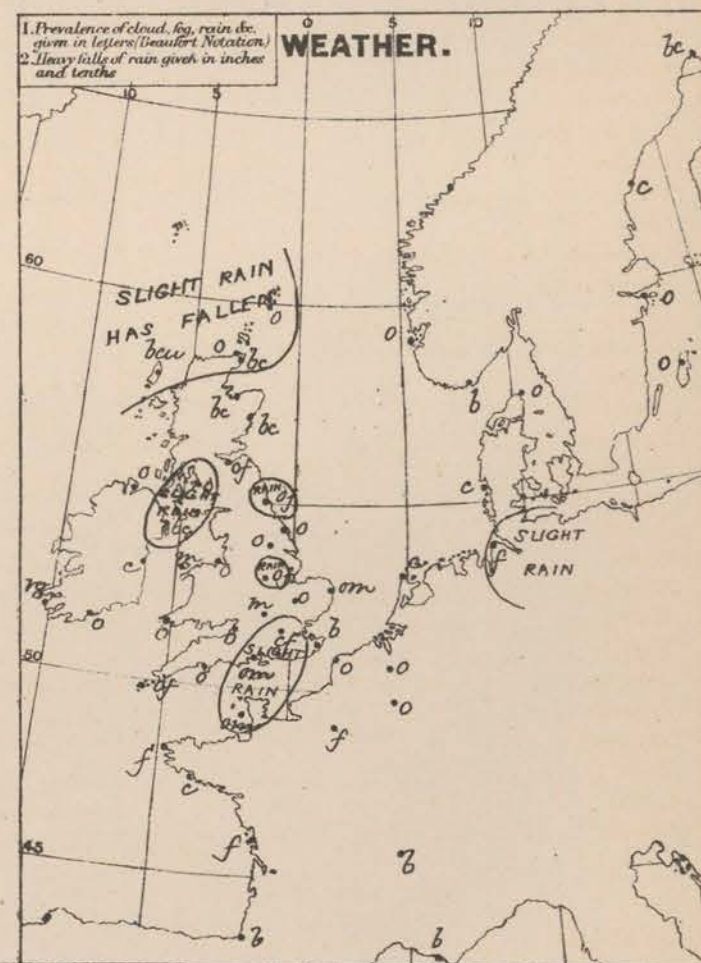
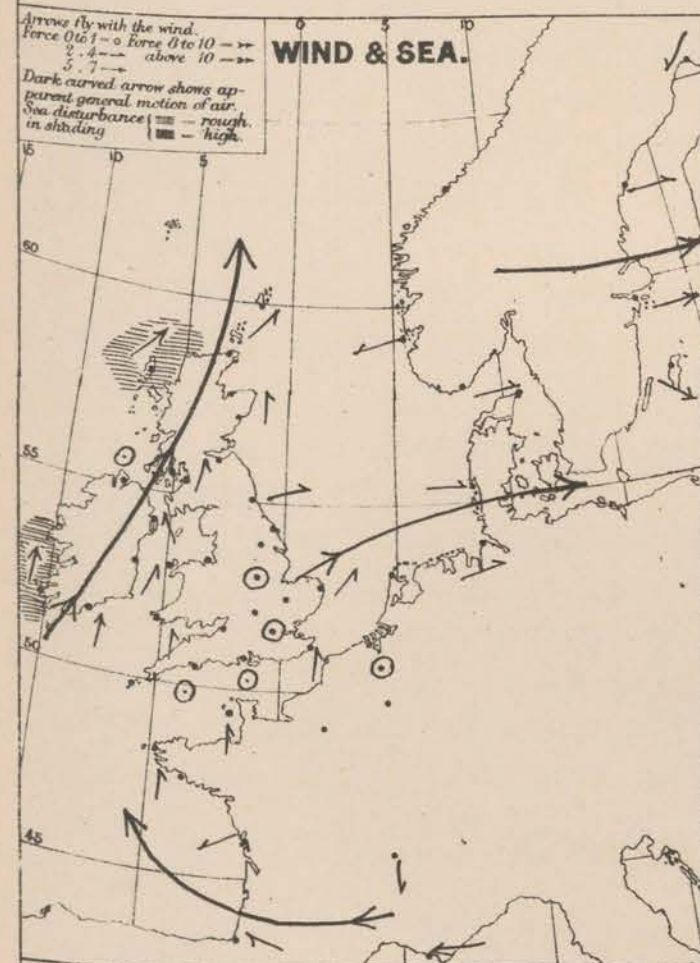
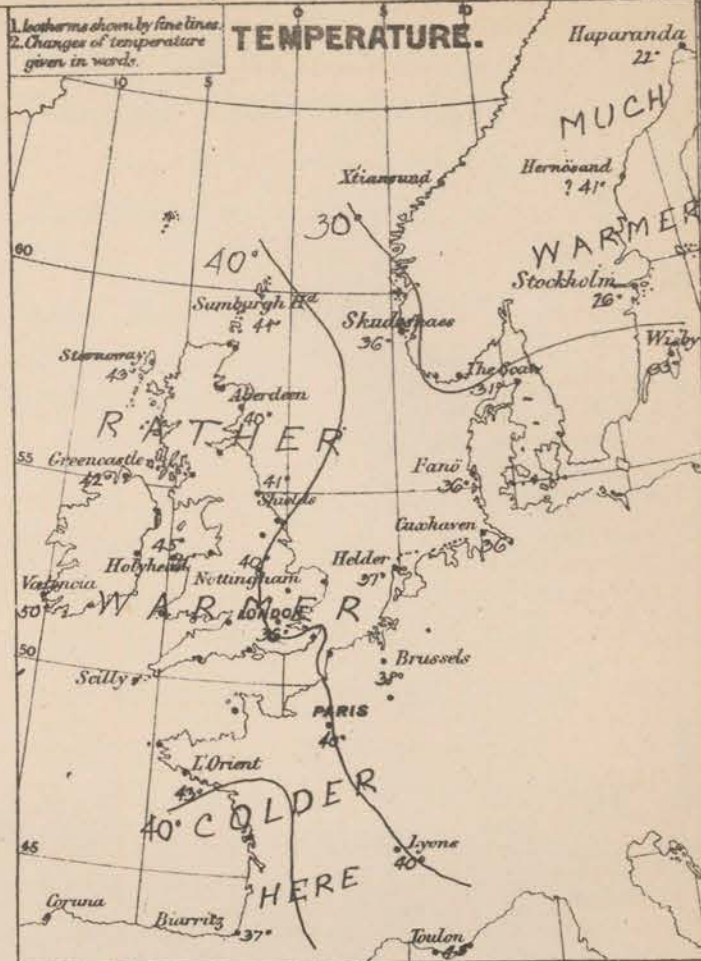
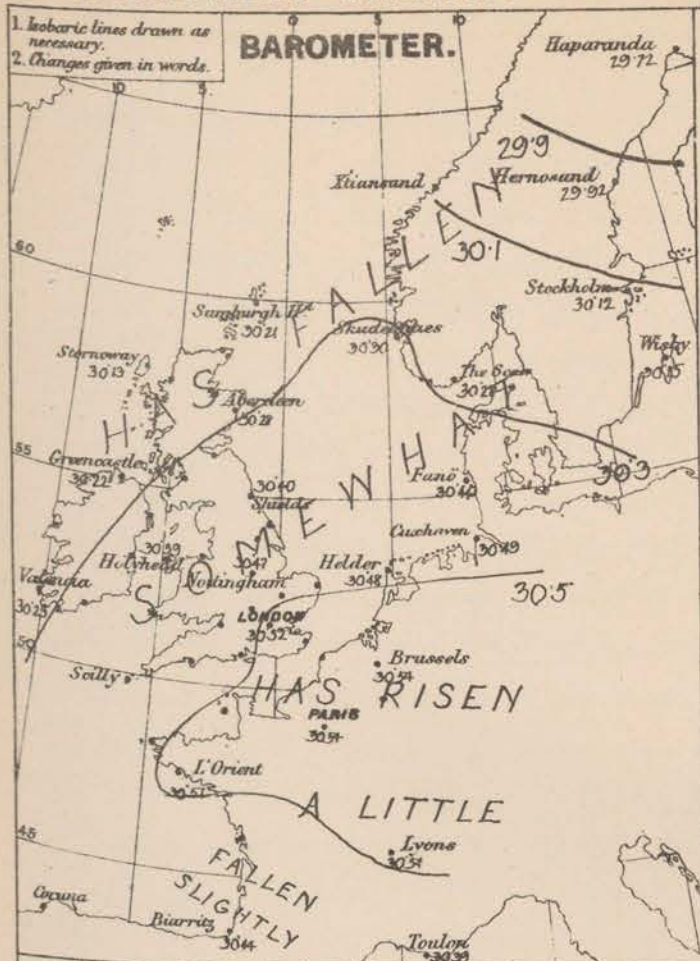
WEATHER.—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 19TH JAN^Y 1878.



REMARKS. Weather is clear in the south of France, but is more or less cloudy in all other places. Rain is falling at Valentia, with a very stormy appearance, while in many parts of England a good deal of fog or mist still prevails. Slight rain occurred at some of our more northern stations yesterday. Temperature has fallen over France, but risen over these Islands; it varies from 38° to 43° over Scotland, from 41° to 50° over Ireland and from 36° to 47° over England, while at Rochefort the thermometer is as low as 34° F. Wind is E over the south of France, S over Ireland, and SW over most of our other coasts; it is light in force generally, but blows strongly at Valentia and Stornoway. Sea is smooth except off the west of Ireland and the Hebrides, where it is rough. Barometrical Indications. Pressure has increased over North Germany, the Netherlands and east of France, but has decreased widely in Ireland and slightly at all our western and northern stations. Readings are high and very uniform over France and England.

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Meteorological Office,
116, Victoria Street, Westminster, S.W.
R. H. SCOTT.
Secretary.

SUMMARY OF WEATHER IN WESTERN EUROPE

from JAN 13th to JAN 19th 1878.

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

From the 13th to the 16th pressure was highest over Spain, the Bay of Biscay and the SW. of France, and depressions passed from N. to E. to the NW. of our Islands, giving us moderate to fresh NW. winds, accompanied by rather dull weather; a disturbance which appeared near the Shetlands on Wednesday, seems to have passed SE., the area of high readings stretched NW. to our SW. coast, and NW. breezes prevailed. On the 18th the anticyclone spread over the whole of these Islands and France, causing fog, cold weather, and very light airs. These conditions lasted until Saturday, when a brisk gale commenced in Ireland, with a SE. breeze, and a rise of temperature, and rain.

JAN 13th Pressure was decreasing briskly at all the more northern stations, and slightly over nearly the whole of these Islands, but in France it still decreased, while at Valentia a faint recovery had commenced. Readings were highest (30.7 in.) over France, lowest to the northward of Scotland. Wind was light and variable at the French stations, but moderate to fresh from SW. on our coast, and over the North Sea. Temperature had risen over these Islands and the north of France, Lyons being 20° colder than London, and 30° colder than Cork. Weather was clear in the east of Scotland, cloudy or overcast elsewhere. Rain had fallen in the N. and NW. Very little change occurred in pressure during the day, but over France, ^{where} the barometer still rose, a reading of 30.85 in. was registered at Biarritz at 6 P.M., the wind had veered to the NW. and freshened somewhat.

JAN 14th Pressure was decreasing in all parts of western Europe - the change being considerable in the Baltic. The depression which on the 13th had its centre to the NW. of Scotland now lay over the north of Scandinavia, while the highest readings were still found over SW. France. Wind was NW. in the Shetlands, NW. in Caithness, but NW. to SW. elsewhere, it was fresh or strong in force generally, and reached a fresh gale over the Humber. Temperature had increased somewhat in most places, it had fallen, however, at Biarritz, where it was still low (23°). Sky was overcast except in the extreme north of Scotland, rain had been general over the British Isles. Pressure increased briskly in the north during the day, but fell slightly in the south, little change occurred in the wind.

JAN 15th The mercury was falling both over Scotland and France, while it was rising over Ireland, England and the countries to the eastward of the North Sea. Yesterday's depression was disappearing over the Baltic, while a slight area of low readings was advancing to the NW. of Scotland. Wind was NW. over Norway, Sweden and Denmark, S. in Scotland, and NW. elsewhere; it was light on our east coast, but blew freshly or strongly in most other regions, and reached a gale at Christiansund and Ulsby. Temperature had risen somewhat in the west, and over France, fallen, or changed very little elsewhere. Sky was overcast, rain was falling in many places in the N. and NW. During the day the slight depression, noticed off the N. coast of Scotland, moved eastward across that country, causing the mercury to fall somewhat over the whole kingdom.

JAN 16th The barometer was rising briskly in Sweden, but was falling in all other places, the depression noticed on the previous evening lay between the Shetlands and the N. coast of Norway, while a small subsidiary disturbance was shown near Denmark. Wind was NW. to NNW. over the British Isles and France, but drew into S. and SE. over the North Sea and West of Norway, it

remained fresh or moderate in force on most coasts. Temperature had fallen in the west and south of these Islands and over Scandinavia, but risen in the north and north-east; it was very uniform over eastern Europe, but the weather was cold over the Gulf of Bothnia. Sky was cloudy or overcast, and rain or snow had fallen at all our more N^W and E^W stations. Pressure increased in all parts of these Islands during the day, and the wind veered to N^W and rose to a fresh gale locally in the Clyde.

JAN^y 17TH

The barometer was still falling over France, but was rising in all other places, an elongated area of high pressure stretched from the south-west of Ireland, across the Bay of Biscay to the south-west of France, while regions of lower pressure were shown, one over Scandinavia, another over the Gulf of Genoa. Wind was light or moderate and was N^W to N^E on nearly all coasts. Temperature had fallen generally, briskly over Great Britain. Weather was fine. Little change occurred during the day.

JAN^y 18TH

Pressure was increasing in the south-east, and on the eastern shores of the North Sea, but decreasing elsewhere. Readings were high and very uniform over these Islands and France. Wind was N^W in Sweden and easterly over the Bay of Biscay, while very light airs prevailed on our coasts. Temperature had again fallen - especially over central England, where the weather had become rather cold (Nottingham 29°). At Haparanda, Lapland, the thermometer stood at 5° F. Weather was dry but a good deal of fog and mist prevailed over Great Britain. During the day the large area of high pressure moved slowly eastward, the barometer rising slightly in the east while it fell in the west, and a moderate southerly breeze sprang up over Ireland.

JAN^y 19TH

Pressure continued very uniform over England and France, but the highest readings now lay to the eastward of our Islands, and gradients for southerly winds were appearing in the west. The mercury still rose over north Germany and the Netherlands, but was falling in all other places. Wind remained easterly over the west of France, and westerly over Scandinavia, but on our coasts southerly to south-westerly breezes had appeared; in the south of Ireland the breeze was strong. Temperature had fallen at the French stations, and risen at our own; Rochfort was colder than the Shetlands by 10°, and than Valentia by 16°. Sky was clear in the south of France, cloudy to overcast elsewhere, a good deal of fog still prevailed at the more eastern stations, and at Valentia rain was falling. The rain continued all day at Valentia, and extended to other of the western stations, gradient increased considerably, and the wind rose to a moderate gale at Valentia.

DAILY WEATHER REPORT

JAN 20TH

1878.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PART 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 ...	29.98	26	S	2	o	29.73	+ .01	19	19	- 3	SH	2	bc	*	*	*	-	
Hernösand ...	30.07	41	W	2	c	29.96	+ .04	28	27	?	Z	0	bc	*	*	*	-	
Stockholm ...	30.06	18	W	2	o	30.04	- .08	24	24	- 2	W	2	bc	*	*	*	-	
Wisby ...	30.11	36	NNW	4	bc	30.11	- .04	35	34	+ 2	W	4	bc	*	*	*	-	
Christiansund ...	30.03	41	WSW	2	o	29.78		38	36		SSE	1	c	5	43	32	-	
Skudesnaes ...	30.19	40	SE	2	r	29.98	- .32	42	41	+ 6	SSE	6	bc	4	?	36	0.04	
Oxö (Tiansand) ...	30.20	35	SH	4	bc	30.09	- .16	38	37	+ 15	WSW	4	f	2	?	34	-	
Skagen (The Seaw) ...	30.21	35	W	2	o	30.16	- .12	35	35	+ 4	WSW	3	o	3	39	27	0.04	
Fanö ...	30.34	40	W	4	r	30.28	- .12	40	40	+ 4	SH	4	o	*	?	36	0.04	
Cuxhaven ...	30.50	*	W	2	c	30.40	- .09	37	37	+ 1	WSW	3	c	*	37	34	0.01	
Sumburgh Head ...	29.95	42	S	4	bc	29.76	- .45	41	40	- 3	NNE	1	o	2	46	39	0.24	
Stornoway ...	29.84	46	SSW	6	r	29.78	- .35	40	39	- 3	SSW	4	bc	4	47	34	0.38	
Thurso ...	29.92	42	S	3	o	29.80	- .39	36	36	- 2	S	1	bc	1	47	36	0.09	
Wick ...	29.96	44	SSH	4	o	29.82	- .39	38	37	- 3	S	2	bc	1	46	35	0.04	
Nairn ...	29.95	45	SH	1	bc	29.86	- .38	38	37	- 4	Z	0	bc	1	48	38	0.12	
Aberdeen ...	30.06	41	SSH	3	o	29.86	- .42	43	42	+ 3	SH	1	bc	1	47	39	0.01	
Leith ...	30.13	46	WSW	4	bc	29.94	- .38	43	42	o	WSW	3	bc	*	50	42	-	
Shields ...	30.26	44	Z	0	o	30.01	- .39	45	43	+ 4	SH	2	bc	2	45	40	-	
Scarborough ...	30.22	42	SSH	2	o	30.09	- .33	45	44	+ 4	SH	5	o	4	45	41	0.01	
York ...	30.33	43	S	2	o	30.12	- .31	45	44	+ 7	SSH	3	o	*	45	37	0.01	
Nottingham ...	30.38	41	S	2	o	30.22	- .25	46	44	+ 6	SSH	5	r	*	46	39	-	
Ardrossan ...	30.11	47	S	4	r	29.99	- .33	45	43	+ 2	SH	3	bc	3	48	43	0.07	
Greencastle ...	30.01	48	S	2	o	30.01	- .21	42	41	o	SSH	1	o	*	?	40	0.20	
Donaghadee ...	30.13	46	SSH	4	r	30.05	- .28	39	39	- 2	S	2	bc	1	46	39	0.21	
Kingstown ...	30.20	49	S	2	o	30.14	- .22	45	43	+ 1	S	1	c	1	51	43	-	
Holyhead ...	30.25	47	SSH	4	m	30.15	- .24	46	45	+ 1	WSW	3	bc	2	50	45	0.10	
Liverpool (Bidston) ...	30.30	43	SE	2	o	30.14	- .29	47	46	+ 7	WSW	5	bc	2	50	40	-	
Valencia ...	30.07	51	S	7	r	30.16	- .07	49	48	- 1	SH	4	o	4	52	43	0.46	
Roche's Point... ..	30.20	49	S	3	o	30.22	- .12	44	43	- 4	WSW	3	o	3	51	43	-	
Pembroke ...	30.33	48	S	4	o	30.24	- .19	49	48	+ 2	WSW	2	o	4	49	47	0.06	
Portishead ...	30.39	43	SSH	3	o	30.29	- .17	47	46	+ 8	SSH	6	bc	4	47	37	0.01	
Scilly ...																		
Plymouth ...	30.41	48	S	3	o	30.35	- .13	48	47	+ 5	SH	3	bc	*	50	43	0.03	
Hurst Castle ...	30.45	47	SSH	3	c	30.38	- .11	47	46	+ 2	SH	6	o	6	47	42	-	
Dover ...	30.49	43	SH	2	bc	30.42	- .10	44	42	+ 3	SH	3	bc	2	45	39	-	
London ...	30.46	45	WSW	1	c	30.37	- .15	44	42	+ 8	SSH	3	c	*	46	36	-	
Oxford ...	*	*	*	*	*	30.30	- .19	45	43	+ 4	S	2	o	*	46	41	-	
Cambridge ...	30.40	43	S	1	bc	30.29	- .20	42	42	+ 5	S	2	o	*	45	35	-	
Yarmouth ...	30.43	44	Z	0	c	30.32	- .17	40	38	+ 3	SH	3	bc	2	42	36	-	
The Helder ...	*	*	*	*	*	30.38	- .10	41	41	+ 4	SSH	2	c	*	*	*	0.04	
Cape Gris Nez ...	30.49	41	S	2	o	30.43	- .09	41	39	+ 2	S	5	m	2	43	36	-	
Jersey ...	30.57	43	S	1	bc	30.48	- .04	43	41	- 1	SH	3	bc	3	47	41	-	
Brest ...	30.49	50	S	3	o	30.45	- .04	48	46	+ 5	SH	4	o	4	50	45	-	
L'Orient ...	30.50	43	SE	1	bc	30.49	- .02	45	43	+ 2	SSH	3	o	2	46	37	-	
Rochefort ...	30.47	45	ENE	3	bc	30.37	+ .06	34	32	o	ESE	1	bc	3	45	30	-	
Biarritz ...	30.47	48	NNE	1	bc	30.55	+ .11	41	39	+ 4	S	3	o	3	52	37	-	
Corunna ...	*	*	*	*	*	30.52	+ .16	46	*	- 13	N	?	o	1	*	*	*	
Brussels ...	*	*	*	*	*	30.50	- .04	38	35	o	WSW	3	o	*	41	37	-	
Charleville ...	*	*	*	*	*	30.48	00	35	*	- 2	NNW	1	o	*	*	*	*	
Paris ...	30.52	41	NE	2	o	30.56	+ .02	33	32	- 7	SE	1	bc	*	*	*	-	
Lyons ...	*	*	*	*	*	30.54	00	37	*	- 3	NNW	2	o	*	*	*	*	
Toulon ...	30.44	45	E	1	bc	30.57	+ .12	43	38	- 2	Z	0	c	3	52	?	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	30.25	38	38	E	1	bc	2	Valencia ...	30.14	51	50	S	7	r	6
Thurso	30.04	44	42	S	2	3	2	Scilly							
Scarborough ...	30.36	43	41	SSH	2	ff	2	London	30.49	46	44	SH	1	o	*
Greencastle ...	30.10	46	45	SH	2	o	*	Rochefort ...	30.45	43	41	ENE	3	bc	3
Holyhead	30.32	47	45	SSH	4	m	3								

The barometer still falls in the N. and N. accompanied by a steady increase of the S.W. wind at Valencia, rain, and a rough sea.

EXPLANATION OF COLUMNS.

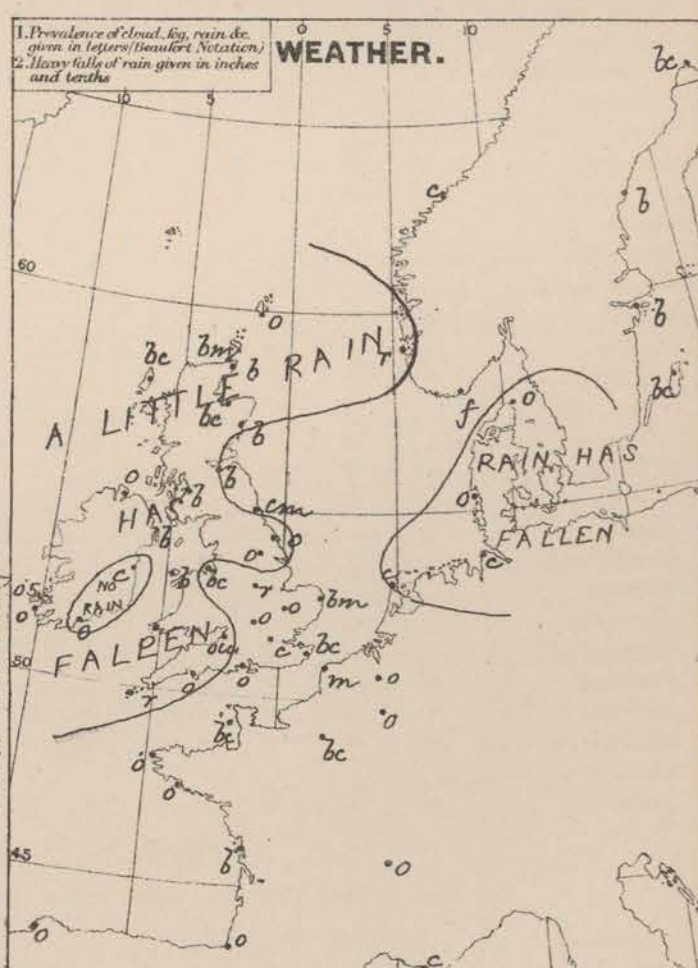
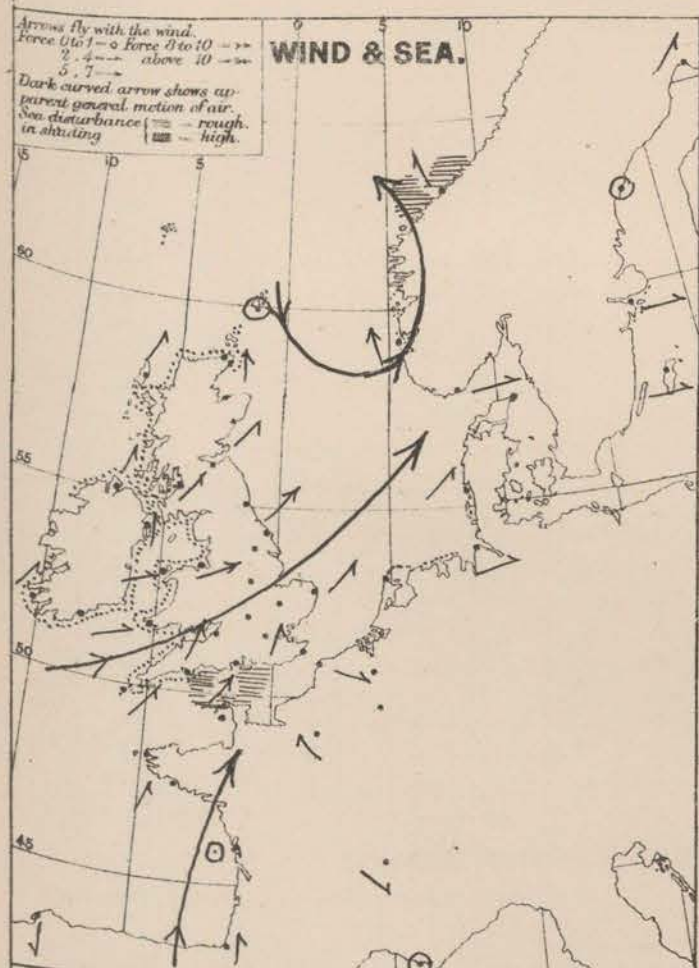
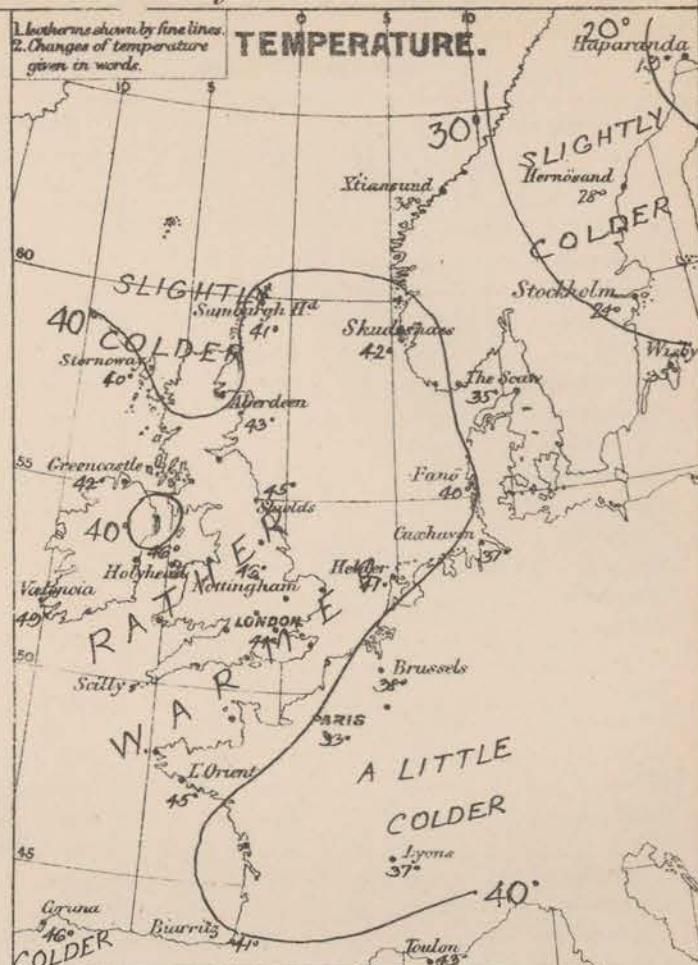
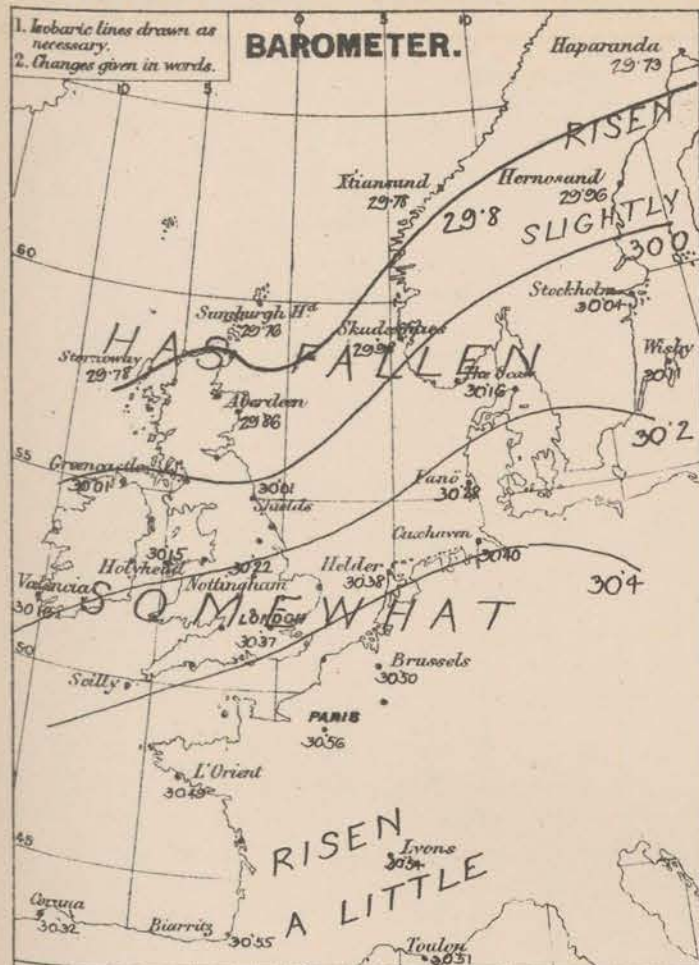
WEATHER.—Beaufort scale is, b. blue sky; o. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 Sunday 20TH JAN^Y 1878.



Note A dotted line is drawn round those coats which were named last evening.

REMARKS. Weather is at present fine and bright in the northern and north western parts of our Islands as well as in Sweden, but very dull elsewhere, with rain and fog in the south of Norway. Showers of rain fell in many parts of our Islands yesterday, and a rather heavy fall occurred in Ireland, the amounts reported varying from 0.35 in. to 0.45 in.. Temperature has risen several degrees over England and the North Sea, but fallen a little in Scotland and Ireland. It is very high generally for the time of year, the readings varying from 40° to 49° in Ireland and England, and from 35° to 43° in Scotland. Over Central France the weather is colder - varying from 23° to 37° . Wind is light from WSW in the south of Ireland, fresh from SSW over England and the Channel, light and variable from S. to W. in Scotland. At Audenness it is strong from SE. A fresh S^{gale} was felt for a short time in the south of Ireland last night. Sea is moderate to smooth, having gone down considerably in the far west during the night.

Barometrical Indications. A well marked, but not very deep, depression passed in a NE^{ly} direction outside our west and north west coasts last night and is apparently now off the north of Scotland. In that region the barometer has fallen 0.45 in. since yesterday, while in the south of Ireland a slight recovery since 6 p.m. is reported. Readings are highest in France, and the barometer is rising in the south west of that country.

Mornings. The following was sent to our SW, W and extreme north coasts last evening: - "Barometer continuing to fall west and north. Strong S. wind violent. Haze South Coasts. 7.15 p.m. Saturday"

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.
Comptroller

Meteorological Office, R. H. SCOTT.
116, Victoria Street, Westminster, S.W. Secretary

DAILY WEATHER REPORT

JAN^y 21st 1878.

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.	Force. (0 to 12).	Weather.	Sea. (0 to 5).	SHADE TEMP.		Amount of Rainfall.			
			Dir.	Force. (0 to 12).			Dry.	Wet.	Difference from 8 a.m. yesterday.					Max.	Min.				
Haparanda ...	29.57	28	SW	2	0	29.25	- .48	31	31	+ 12	SW	4	0	*	19	-			
Hernösand ...	29.64	20	Z	0	0	29.34	- .62	31	30	+ 3	SSW	2	0	*	*	-			
Stockholm ...	29.90	36	SSW	4	0	29.62	- .42	36	34	+ 12	SSW	5	0	*	*	-			
Wisby ...	No observations taken					29.84	- .27	36	36	+ 1	WSW	6	0	*	*	-			
Christiansund ...	29.50	40	SSW	5	m	28.65	- 1.13	41	39	+ 3	SSW	6	0	5	41	0.04			
Skudesnaes ...	29.78	42	S	6	0	29.30	- .68	43	39	+ 1	WSW	8	+	7	43	0.75			
Oxö (Xtiansand) ...	29.89	40	SW	5	+	29.34	- .75	42	42	+ 4	SW	6	+	4	?	0.22			
Skagen (The Skaw) ...	29.96	39	SW	5	0	29.48	- .68	41	41	+ 6	SW	8	+	7	41	0.16			
Fanö ...	30.12	41	SW	6	0	29.71	- .57	43	43	+ 3	WSW	7	0	*	39	0.12			
Cuxhaven ...	30.37	34	SW	5	0	29.99	- .41	41	41	+ 4	SW	6	+	*	?	0.04			
Sumburgh Head ...	29.57	44	SW	5	0	29.20	- .56	40	38	- 1	? SSW	6	+	6	48	0.05			
Stornoway ...	29.47	44	SSW	6	+	29.57	- .21	38	37	- 2	W	2	0	4	49	0.31			
Thurso ...	29.55	42	S	4	0	29.46	- .34	37	37	+ 1	W	5	pg	5	32	0.04			
Wick ...	29.59	45	S	5	0	29.51	- .31	? 45	? 44	? 7	W	8	+	4	37	0.03			
Nairn ...	29.64	43	W	1	0	29.36	- .30	39	37	+ 1	W	2	0	2	47	0.11			
Aberdeen ...	29.80	44	S	3	0	29.39	- .27	42	37	- 1	W	4	0	1	50	0.01			
Leith ...	29.85	48	SW	5	0	29.67	- .27	44	43	+ 1	W	4	0	*	34	0.28			
Shields ...	30.00	46	WSW	5	0	29.71	- .30	51	50	+ 6	WSW	5	og	2	34	0.01			
Scarborough ...	30.09	48	SW	4	0	29.74	- .35	53	50	+ 8	WSW	6	0	4	34	-			
York ...	30.12	46	S	7	0	29.82	- .30	53	50	+ 8	WSW	5	+	*	55	0.02			
Nottingham ...	30.22	48	S SW	4	0	29.92	- .30	52	50	+ 6	SSW	7	0	*	53	0.08			
Ardrossan ...	29.83	46	S	6	+	29.72	- .27	45	43	0	WSW	3	+	3	52	0.63			
Greencastle ...	29.72	47	S	4	+	29.72	- .29	43	42	+ 1	NW	2	0	*	?	0.60			
Donaghadee ...	29.80	46	WSW	6	+	29.77	- .28	46	46	+ 7	W	2	+	2	54	0.14			
Kingstown ...	29.96	49	S	4	0	? 29.90	- .24	56	53	+ 11	WSW	5	0	4	57	0.01			
Holyhead ...	30.05	48	SSW	4	m	29.89	- .26	51	50	+ 5	SSW	6	m	4	52	0.01			
Liverpool (Bidston) ...	30.16	53	S	3	0	29.88	- .26	52	50	+ 5	SW	8	+	4	55	0.01			
Valencia ...	29.96	52	SSW	7	ow	29.92	- .24	54	52	+ 5	SSW	8	og	6	56	0.04			
Roche's Point ...	30.12	49	SW	5	+	29.99	- .23	51	50	+ 7	SW	6	+	5	57	0.24			
Pembroke ...	30.20	50	SW	4	of	30.05	- .19	51	50	+ 2	SW	7	0	5	57	0.08			
Portishead ...	30.29	48	SSW	4	0	30.11	- .18	53	51	+ 4	SSW	6	ow	4	54	0.04			
Scilly ...																			
Plymouth ...	30.35	51	SW	4	0	30.22	- .13	51	51	+ 3	SW	5	ad	*	53	0.05			
Hurst Castle ...	30.36	50	SW	5	0	30.23	- .15	50	50	+ 3	WSW	7	og	6	50	0.05			
Dover ...	30.42	44	SW	5	0	30.28	- .14	47	46	+ 3	WSW	5	0	4	? 47	0.01			
London ...	30.36	47	SSW	3	0	30.14	- .23	51	49	+ 7	SW	5	og	*	51	44			
Oxford ...	*	*	*	*	*	30.12	- .18	52	50	+ 7	SSW	3	0	*	52	45			
Cambridge ...	30.29	45	S	3	0	30.06	- .23	51	49	+ 9	S	2	0	*	51	?			
Yarmouth ...	30.29	44	SW	3	cm	30.04	- .31	51	50	+ 11	SW	6	og	3	51	?			
The Helder ...	*	*	*	*	*	30.01	- .37	44	43	+ 3	SSW	5	+	*	*	0.04			
Cape Gris Nez ...	30.43	43	WSW	5	0	30.26	- .17	46	46	+ 5	SW	6	0	5	?	39			
Jersey ...	30.50	46	SW	4	bew	30.40	- .08	50	50	+ 7	SW	5	om	4	57	42			
Brest ...	30.53	52	SW	4	m	30.42	- .08	52	50	+ 4	WSW	4	m	4	52	48			
L'Orient ...	30.53	50	SW	3	0	30.49	0.00	52	50	+ 7	SW	3	0	3	52	43			
Rochefort ...	30.58	46	Z	0	0	30.56	+ .05	41	41	+ 7	SSW	3	0	3	50	28			
Biarritz ...	30.64	34	ENE	1	0	30.64	+ .09	43	39	+ 2	SSE	2	0	3	?	39			
Corunna ...	*	*	*	*	*									*	*	*			
Brussels ...	*	*	*	*	*	30.32	- .17	37	36	- 1	SW	6	+	*	41	36			
Charleville ...	*	*	*	*	*	? 30.34	- .14	31	30	- 4	?	?	0	*	*	*			
Paris ...	30.52	35	S	3	bc	30.51	- .05	35	33	+ 2	SSW	3	0	*	*	-			
Lyons ...	*	*	*	*	*	?	?	?	?		SE	2	0	*	*	*			
Toulon ...	30.50	45	W	4	0	30.55	+ .04	43	39	0	NE	4	0	3	50	41			
YESTERDAY'S 2 P.M. REPORTS AND REMARKS.																			
	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.						
Skudesnaes ...	29.85	43	43	SSW	6	8	5	Valencia ...											
Thurso ...								Scilly ...											
Scarborough ...								London ...							*				
Greencastle ...							*	Rochefort ...	30.54	46	43	ESE	1	0	3				
Holyhead ...																			

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.85	43	43	SSW	6	8	5	Valencia ...							
Thurso								Scilly							
Scarborough ...								London					*		
Greencastle ...							*	Rochefort ...	30.54	44	43	ESE	1	0	3
Holyhead															

EXPLANATION OF COLUMNS.

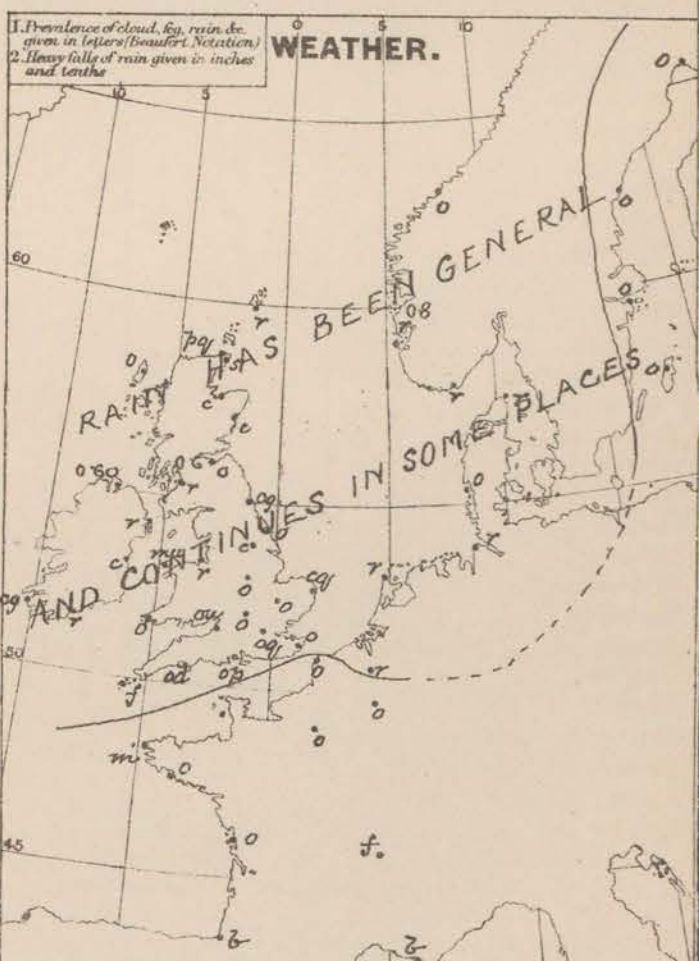
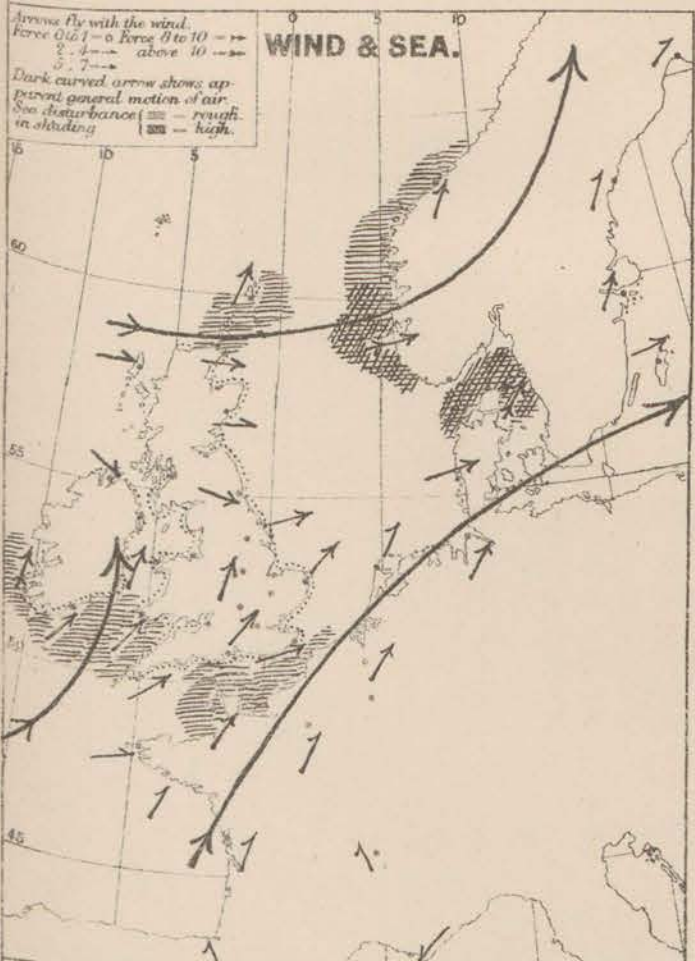
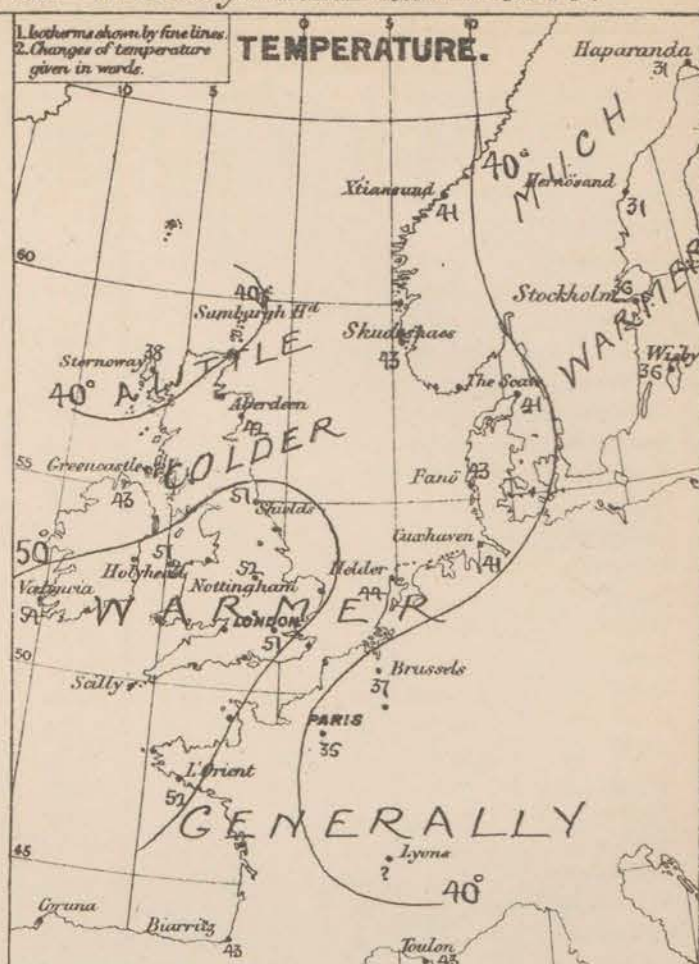
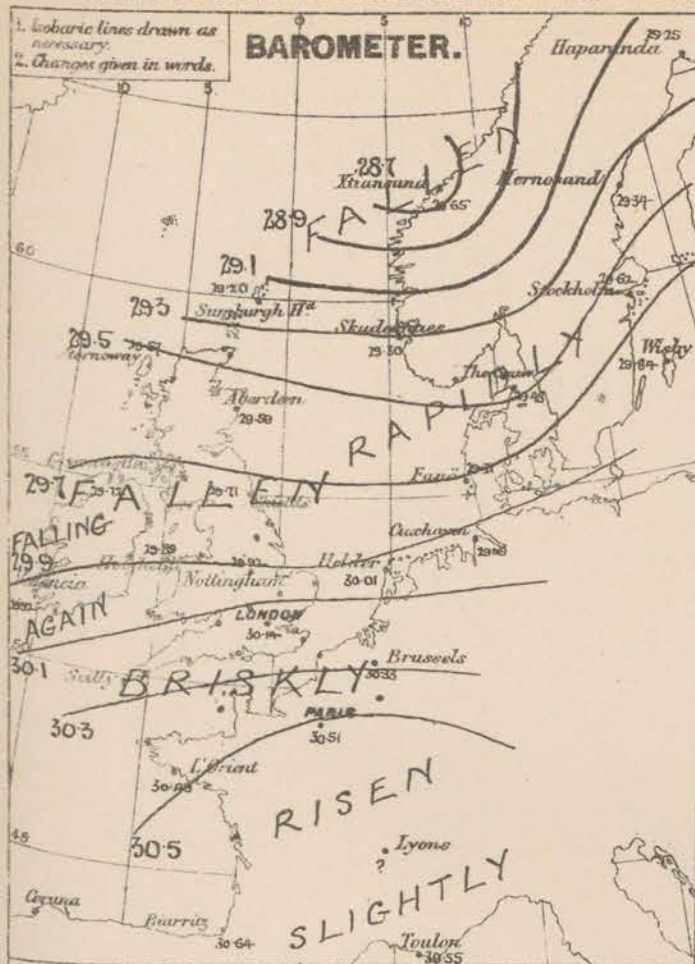
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 Monday JAN^y 21ST. 1878.



REMARKS Weather over the British Isles and their neighbourhood is in an exceedingly unsettled and stormy condition. The sky is densely overcast in most places, and rain is falling at several stations, even at Wick. Fog prevails in the SW. A large quantity of rain has fallen in the western NW during the past 24 hours, and a smaller quantity at almost all our other coasts. Temperature has risen on all but our N^W coast, and now varies from 50° to 55° over England, Ireland, and the W. of France, while it is 34° to 44° in Scotland. Wind is fresh to a gale from between SW and W over Great Britain, but light from W to NW on the W. of Scotland, and N. of Ireland. In the S. of Ireland it is SW, and a fresh gale is blowing from that quarter at Valentia. A fresh to strong gale was felt in the NW, N and NE during the night, and a moderate gale in the SW. Sea is rough smooth on our E. coast. Barometrical Indications. A very large and deep depression has advanced to the coast of Norway during the night, causing the barometer to fall 1.13 in. at Kilsnake, and 0.6 in. at Pembroke P. In the S. parts of France pressure is still high, so that the reading at Biarritz is 2 ins. higher than that at Kilsnake. At Valentia a fresh fall of the mercury is now in progress. Warrigoes were sent down SW, W. and extreme N. coasts on Saturday; to our other N and NE coasts last evening, and to our S. and SE. coasts this morning.

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

R. H. SCOTT.

Secretary

DAILY WEATHER REPORT

JAN 22nd

1878.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY										LAST 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 ...	29.30	36	WNW	8	bc	29.32	+ .67	36	36	- .5	SW	2	c	6	?	32	0.12	
Skudesnaes ...	29.52	37	NNW	2	bc	29.70	+ .40	32	31	- .11	ENE	1	bc	2	43	?	-	
Oxö (Tiansand) ...	29.53	38	WSW	2	b	29.67	+ .33	32	29	- .10	WNW	2	c	2	43	30	-	
Skagen (The Sæw) ...	29.53	39	WNW	4	bc	29.65	+ .17	36	33	- .05	NNE	2	o	1	43	32	0.11	
Fanö ...	29.62	36	N	1	r	29.70	+ .02	37	37	- .6	NNW	4	r	*	45	34	0.47	
Cuxhaven ...	29.88	45	WSW	8	r	29.82	- .17	47	47	+ .6	WNW	8	o	*	48	39	0.38	
Sumburgh Head ...	29.52	39	NNW	2	bc	29.66	+ .46	40	37	- .0	NW	4	b	4	42	33	0.14	
Stornoway ...	29.60	38	WNW	1	o	29.76	+ .19	33	32	- .5	W	1	c	2	39	30	0.05	
Thurso ...	29.58	35	SSW	1	o	29.77	+ .31	34	33	- .3	S	1	bc	3	43	32	0.16	
Wick ...	?	45	W	1	o	29.79	+ .28	35	33	- .10	SW	2	b	1	47	31	-	
Nairn ...	29.61	37	Z	0	o	29.87	+ .31	34	33	- .5	Z	0	b	1	39	33	-	
Aberdeen ...	29.63	37	NNW	1	r	29.86	+ .27	32	30	- .10	SW	1	b	1	43	31	0.14	
Leith ...	29.62	34	E	2	r	29.92	+ .25	30	29	- .14	W	1	om	*	45	29	0.58	
Shields ...	29.64	42	NE	1	r	29.96	+ .25	35	34	- .16	WSW	1	bc	2	47	33	0.79	
Scarborough ...	29.67	53	WSW	4	r	29.97	+ .23	41	41	- .12	NNW	1	o	3	55	41	0.19	
York ...	29.69	54	W	7	o	29.98	+ .16	40	38	- .13	NNE	1	o	*	56	39	0.11	
Nottingham ...	29.82	55	S	7	o	29.99	+ .07	43	43	- .9	NE	1	r	*	56	43	0.17	
Ardrossan ...	29.54	37	NE	3	r	29.92	+ .20	32	31	- .13	ENE	1	bc	1	46	31	0.69	
Greencastle ...	29.47	43	NNE	1	f	29.88	+ .16	35	34	- .8	W	1	c	*	?	31	1.00	
Donaghadee ...	29.56	53	W	6	r	29.92	+ .15	35	35	- .11	W	3	b	3	53	35	0.62	
Kingstown ...	29.73	56	W	6	r	29.94	+ .04	44	42	- .12	SSE	3	od	3	58	43	0.08	
Holyhead ...	29.79	51	SSW	6	m	29.92	+ .03	43	42	- .8	ESE	1	om	1	52	43	0.01	
Liverpool (Bidston) ...	29.74	54	WSW	9	o	29.94	+ .06	41	40	- .4	NW	1	o	2	55	41	0.11	
Valencia ...	29.86	54	SW	8	o	29.91	- .01	45	48	- .6	NW	1	og	2	56	47	0.22	
Roche's Point... ..	29.91	51	WSW	7	r	29.91	- .08	53	51	+ .2	WSW	4	m	4	54	51	0.15	
Pembroke ...	29.98	50	SW	7	o	29.94	- .11	51	51	- .0	WSW	6	bc	4	52	53	0.12	
Portishead ...	30.03	52	S	7	o	29.99	- .12	51	50	- .2	SW	5	o	4	52	46	0.01	
Scilly ...																		
Plymouth ...	30.18	52	SW	5	o	30.10	- .12	52	52	+ .1	SW	6	od	*	54	51	2.004	
Hurst Castle ...	30.17	50	W	7	r	30.07	- .16	50	50	- .0	W	7	om	6	50	45	0.01	
Dover ...	30.12	48	WSW	6	o	30.05	- .23	50	49	+ .3	SW	5	od	4	51	46	0.06	
London ...	30.06	55	WSW	6	og	30.01	- .13	53	52	+ .2	WSW	4	o	*	55	51	0.02	
Oxford ...	*	*	*	*	*	29.99	- .13	53	52	+ .1	WSW	3	o	*	55	51	0.01	
Cambridge ...	29.93	54	S	6	o	29.98	- .08	53	51	+ .2	WSW	1	o	*	59	51	0.01	
Yarmouth ...	29.90	54	WSW	4	o	29.98	- .03	44	43	- .7	NNW	3	bc	2	55	43	0.01	
The Helder ...	*	*	*	*	*	29.89	- .12	46	44	+ .2	W	3	c	*	*	*	0.12	
Cape Gris Nez ...	30.17	48	SW	7	f	30.09	- .17	48	48	+ .2	SW	6	r	5	50	43	0.12	
Jersey ...	30.25	51	SW	7	o	30.24	- .16	51	50	+ .1	SW	6	om	5	50	49	-	
Brest ...	30.39	52	WSW	5	o	30.30	- .12	52	52	- .0	WSW	5	o	5	52	50	-	
L'Orient ...	30.47	52	WSW	4	m	30.38	- .11	52	50	- .0	WSW	5	m	4	54	48	-	
Rochefort ...	?	48	S	4	o	30.49	- .07	48	46	+ .7	SSW	4	o	3	59	32	-	
Biarritz ...	30.60	50	ENE	2	b	30.58	- .06	46	43	+ .3	SSW	2	b	4	55	39	-	
Corunna ...	*	*	*	*	*									*	*	*	*	
Brussels ...	*	*	*	*	*	30.06	- .27	51	50	+ .14	W	6	r	*	43	?	0.08	
Charleville ...	*	*	*	*	*	30.15	- .19	38	*	+ .7	?	?	o	*	*	*	*	
Paris ...	30.42	43	SSW	3	o	30.30	- .21	49	47	+ .14	SW	4	c	*	*	*	-	
Lyons ...	*	*	*	*	*	30.36	?	57	*	?	S	2	f	*	*	*	*	
Toulon ...	30.56	45	W	3	bc	30.32	- .03	43	39	- .03	W	3	m	3	50	41	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	30.49	41	39	NNW	6	rw	6	Valencia ...	29.86	55	54	SW	8	og d	6
Thurso	29.60	40	39	NNW	4	o	5	Scilly							
Scarborough ...	29.73	55	53	WSW	4	o	3	London	30.10	55	54	WSW	5	o	*
Greencastle ...	29.54	35	37	NNE	1	r	*	Rochefort ...	30.54	45	45	SSE	4	o	3
Holyhead	29.83	51	50	SSW	6	m	5								

The barometer has fallen again on all our western coasts since the morning, a subsidiary depression having advanced over the north of Ireland, causing very steep gradients for south-westerly winds in St. George's Channel.

EXPLANATION OF COLUMNS.

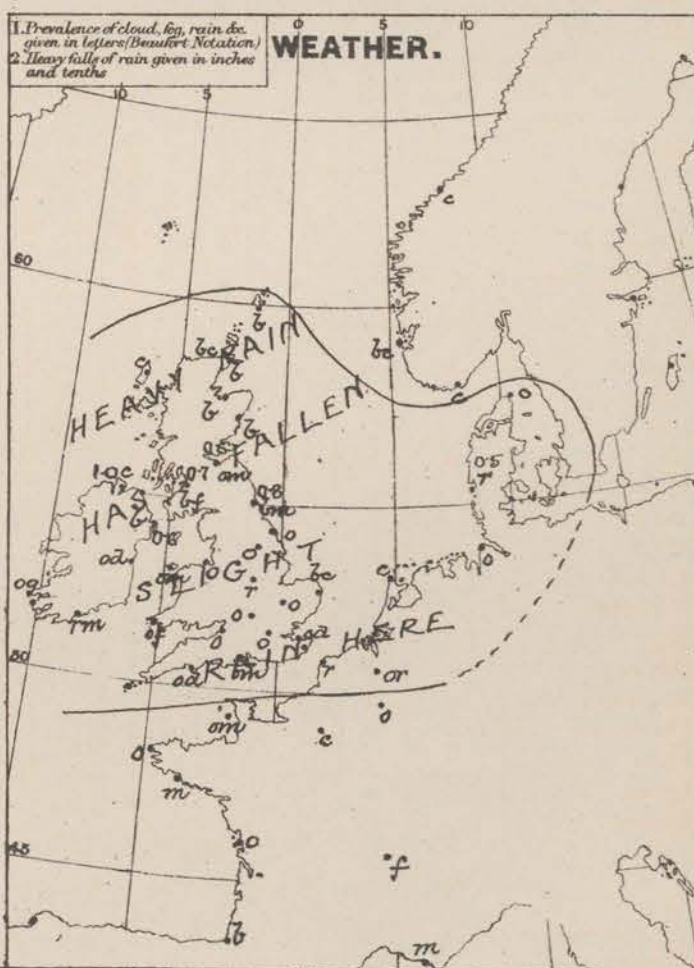
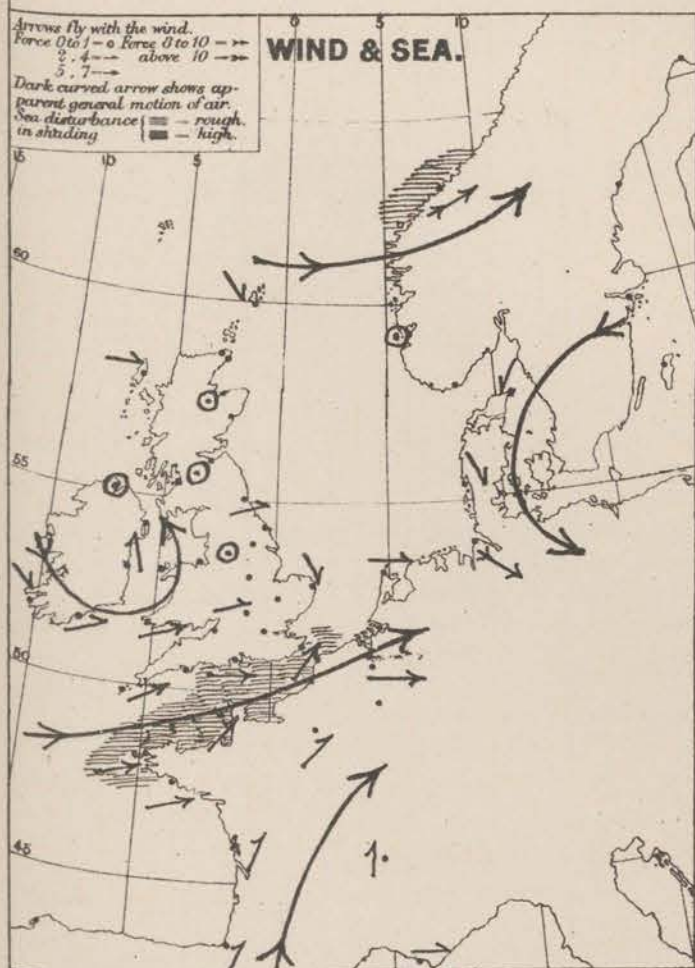
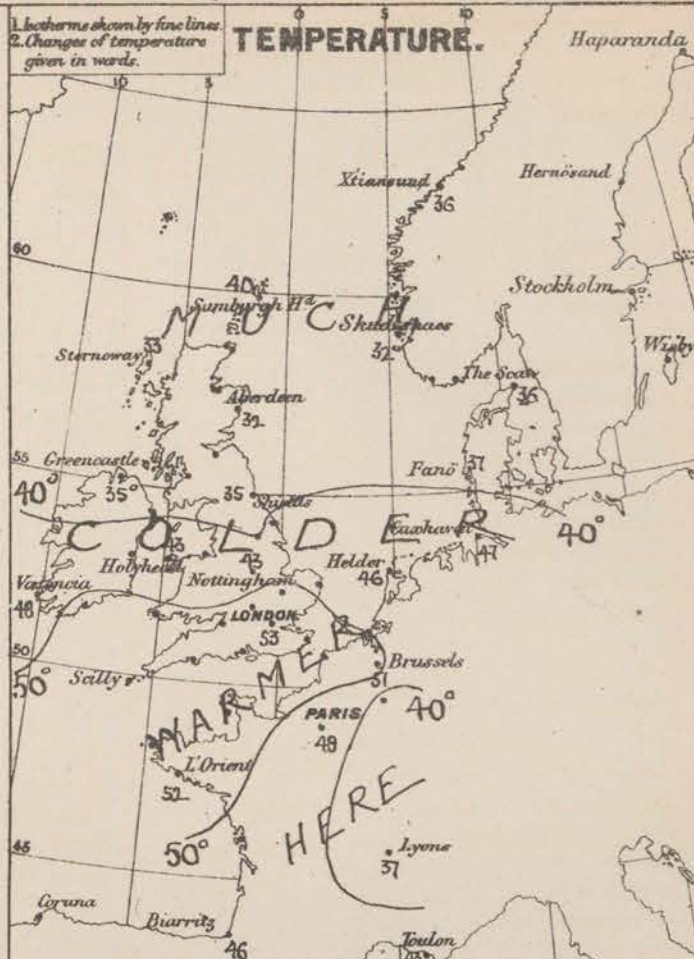
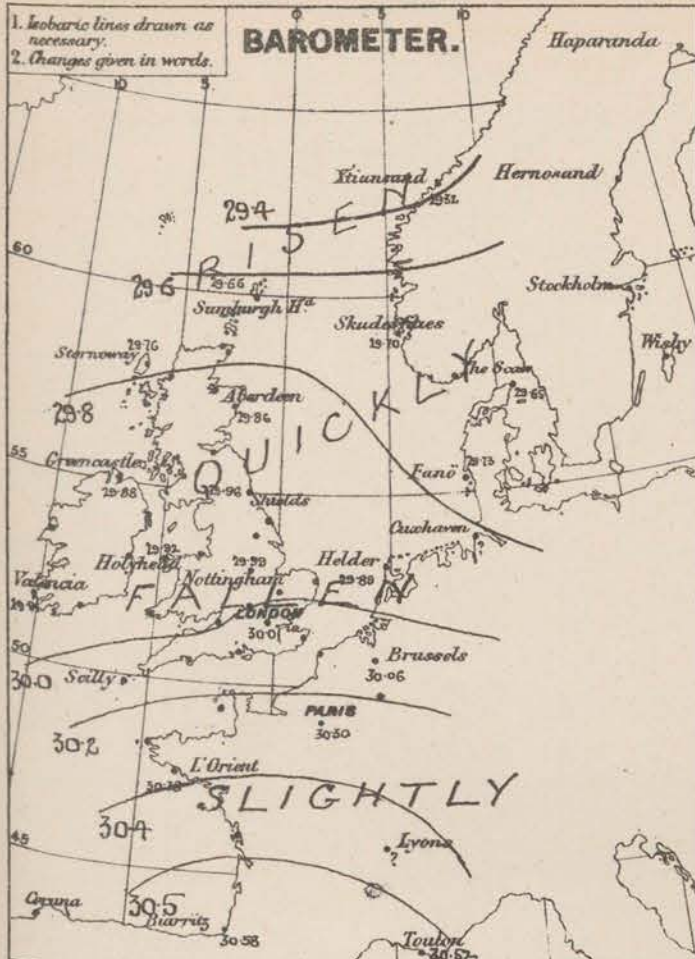
WEATHER.—Beaufort Scale is, b. blue sky; o. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 Tuesday 22 JAN^y 1878.



REMARKS. Weather is at present clear in Scotland, very dull elsewhere, with mist and rain in the S. Heavy rain has fallen in the N. and NW, and is being reported at Newcastle. 0.8 in. at Shields, 0.7 in. at Newcastle, and 0.6 in. at Leith. In other parts of England the fall has been slight. Temperature has fallen very fast in Scandinavia, and in the N. part of the British Isles, as much as 16° at Shields; it is steadily high in the S. and has risen fast over France. In Scotland it varies from 30° to 33°, while in the S. of England it ranges from 50° to 53°. Winds is extremely light and variable over the greater part of the United Kingdom, and the S. of Norway, but blows strongly from the NW in the Channel and Bay of Biscay. A fresh gale from WNW is reported at Cherbourg, and one from NW at Brest. A fresh SW gale was felt in the Channel, and S. of England last night. Sea is rough in the S. moderate in the W. smooth along our E. coast. Barometrical Indications. The large depression noticed in the N. yesterday has travelled away to the NE. A second but smaller disturbance has crossed the N. of England during the night, and now lies over the Sound while at hand, but much shallower one has come in over Ireland. Gradients for W. winds are coming nearly still rather than in the S. but not elsewhere. Warming signals have been lowered on all coasts this evening.

Subscription for these Charts payable in advance to cover delivery. Delivery by hand 1/4 per quarter, book post 5/- per quarter.

Meteorological Office, R. H. SCOTT, Secretary.
116, Victoria Street, Westminster, S.W.

DAILY WEATHER REPORT JAN 23RD 1878.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										LAST 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 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirco.	Force. (0 to 12).			Max.	Min.		
Haparanda ...														*				
Hernösand ...														*	*	*		
Stockholm ...														*	*	*		
Wisby ...														*	*	*		
Christiansund ...	29.44	38	WSW	6	bc	29.07	-.25	36	32	0	ESE	3	bc	4	39	34	0.39	
Skudesnaes ...	29.64	40	WSW	4	c	29.01	-.69	37	36	+ 5	SE	8	+	5	41	31	0.04	
Oxö (Xtiansand) ...	29.76	39	WSW	4	b	29.17	-.50	36	35	+ 4	ESE	4	m	4	39	?	0.06	
Skagen (The Scau) ...	29.78	36	W	4	b	29.28	-.37	33	33	- 3	SSE	4	+	4	37	30	0.08	
Fanö ...	29.80	33	S	4	c	29.23	-.50	41	41	+ 4	WSW	6	+	*	41	32	0.12	
Cuxhaven ...	30.01	42	W	1	c	29.49	-.23	44	44	- 3	SW	6	+	*	45	37	0.19	
Sumburgh Head ...	29.53	40	WSW	3	b	28.80	-.86	39	38	- 1	WNW	7	+	6	43	35	0.07	
Stornoway ...	29.43	39	SSW	5	+	28.72	-.64	34	33	+ 1	SW	6	sg	6	39	32	0.86	
Thurso ...	29.52	35	ENE	2	bc	28.97	-.60	34	33	0	SSW	3	bc	3	40	33	0.13	
Wick ...	29.48	37	S	2	c	28.98	-.81	34	32	- 1	WSW	2	b	1	39	32	0.03	
Nairn ...	29.56	36	SW	2	bc	29.13	-.74	33	32	- 1	W	1	bc	1	38	33	0.06	
Aberdeen ...	29.62	37	S	2	c	29.10	-.76	34	31	+ 2	SW	1	b	1	38	32	-	
Leith ...	29.67	37	W	2	c	29.26	-.66	34	33	+ 4	WSW	3	s	*	42	29	0.14	
Shields ...	29.70	40	SE	1	+	29.39	-.57	37	33	+ 2	W	6	b	2	43	33	0.18	
Scarborough ...	29.72	42	SSE	2	c	29.48	-.49	37	35	- 4	WSW	5	ap	3	43	37	0.16	
York ...	29.75	41	S	1	m	29.53	-.45	38	36	- 2	WSW	5	c	*	45	36	0.16	
Nottingham ...	29.75	41	S	4	c	29.68	-.31	37	35	- 6	SW	6	bc	*	52	35	0.19	
Ardrossan ...	29.67	41	SW	3	e	29.28	-.64	39	37	+ 7	WSW	8	tyh	6	44	32	0.47	
Greencastle ...	29.61	41	S	2	c	29.33	-.55	35	34	0	W	5	o	*	43	33	0.44	
Donaghadee ...	29.71	44	SW	3	c	29.43	-.49	34	34	- 1	SW	7	bc	5	43	32	0.02	
Kingstown ...	29.80	46	WSW	3	c	29.64	-.30	38	35	- 6	W	6	c	5	48	36	0.14	
Holyhead ...	29.82	43	WNW	2	b	29.64	-.28	39	37	- 4	WSW	6	c	5	48	38	0.09	
Liverpool (Bidston) ...	29.77	45	W	6	c	29.58	-.36	38	35	- 3	WSW	8	bc	4	47	36	0.22	
Valencia ...	29.81	51	SW	8	c	29.89	-.02	44	38	- 4	W	7	sgm	6	51	35	0.21	
Roche's Point ...	29.83	47	W	5	c	29.86	-.05	38	36	- 15	WNW	5	bc	4	?	36	0.20	
Pembroke ...	29.92	48	W	7	c	29.81	-.13	42	38	- 9	WNW	8	bc	6	52	42	0.03	
Portishead ...	29.92	49	SW	5	c	29.84	-.15	43	41	- 8	WSW	6	c	6	54	39	0.07	
Scilly ...																		
Plymouth ...	30.05	49	WSW	2	c	29.99	-.11	42	40	- 10	SW	6	c	*	54	42	0.08	
Hurst Castle ...	29.97	50	W	7	c	29.91	-.16	44	41	- 6	WNW	7	b	7	?	42	0.02	
Dover ...	29.94	48	WSW	5	c	29.85	-.20	42	39	- 8	W	5	b	4	50	41	0.03	
London ...	29.89	53	WSW	5	od	29.84	-.17	41	37	- 12	W	6	bg	*	56	41	0.06	
Oxford ...	*	*	*	*	*	29.82	-.17	38	35	- 15	WSW	2	b	*	55	38	0.03	
Cambridge ...	29.82	48	S	6	m	29.76	-.22	39	36	- 14	S	4	b	*	57	38	0.16	
Yarmouth ...	29.81	49	SW	2	c	29.66	-.32	40	37	- 4	W	5	mog	2	50	38	0.11	
The Helder ...	*	*	*	*	*	29.56	-.33	46	44	0	SW	4	c	*	*	*	0.08	
Cape Gris Nez ...	29.99	48	SW	6	f	29.86	-.23	45	41	- 3	W	8	b	6	48	41	0.16	
Jersey ...	30.17	50	W	7	c	30.08	-.16	46	43	- 5	W	8	bag	6	52	45	0.10	
Brest ...	30.26	54	WNW	4	m	30.20	-.10	48	46	- 4	WNW	5	c	6	54	46	-	
L'Orient ...	30.31	52	WSW	5	m	30.23	-.15	48	45	- 4	WNW	6	c	5	54	45	0.12	
Rocheport ...	30.44	52	WSW	5	c	30.29	-.20	52	50	+ 4	WSW	5	+	3	?	43	0.12	
Biarritz ...	30.56	50	S	1	b	30.49	-.09	48	45	+ 2	SSW	4	c	4	56	41	-	
Corunna ...	*	*	*	*	*									*	*	*		
Brussels ...	*	*	*	*	*	29.80	-.26	48	44	- 3	WSW	6	c	*	51	47	0.59	
Charleville ...	*	*	*	*	*	29.82	-.33	48	*	+ 10	SSW	6	?	*	*	*	*	
Paris ...	*	*	*	*	*									*	*	*	*	
Lyons ...	*	*	*	*	*	?	?	44	*	+ 7	W	1	?	*	*	*	*	
Toulon ...	30.33	50	WNW	6	m	30.19	-.33	45	41	+ 2	WNW	7	m	7	54	43	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.75	41	39	WSW	6	o	3	Valencia	29.95	48	45	WSW	5	c	6
Thurso	29.71	38	37	SSW	2	c	3	Scilly							
Scarborough ...	29.88	42	40	SSE	2	o	3	London	29.96	56	55	SW	3	o	*
Greencastle ...	29.80	39	38	WSW	1	bc	*	Rocheport ...	30.45	?	50	WSW	10	r	3
Holyhead	29.82	45	44	Z	o	m	0								

The barometer is falling a little very generally. The winds reported show little change beyond a freshening from WSW 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.

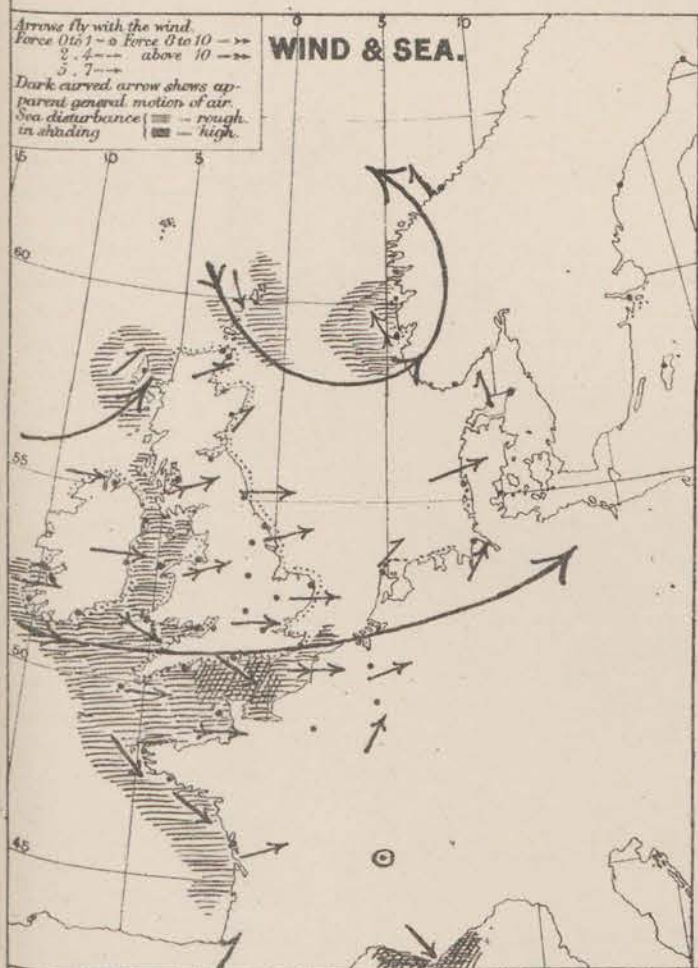
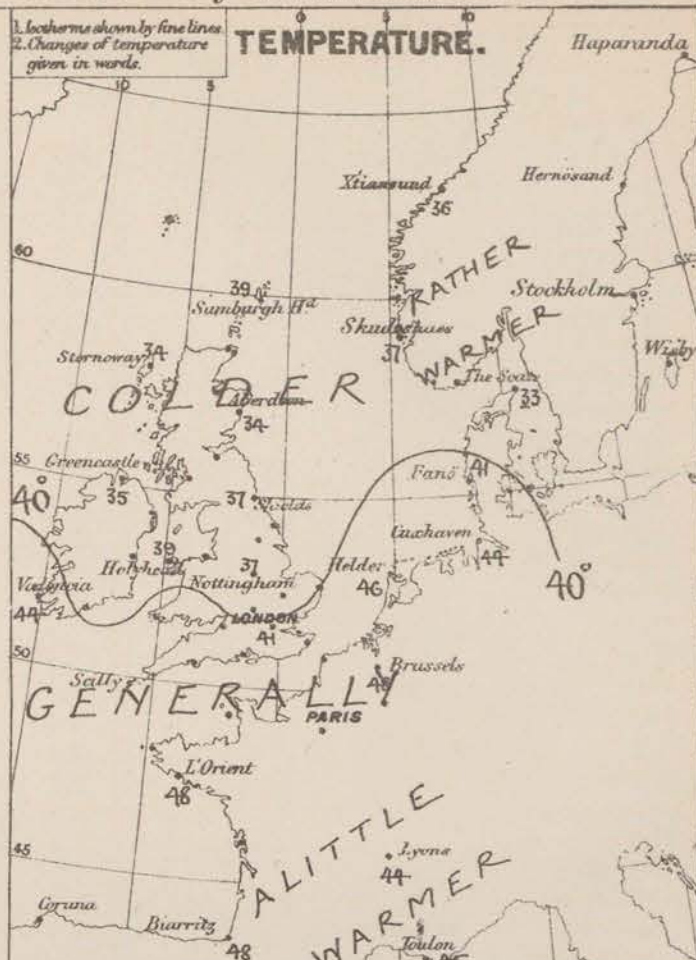
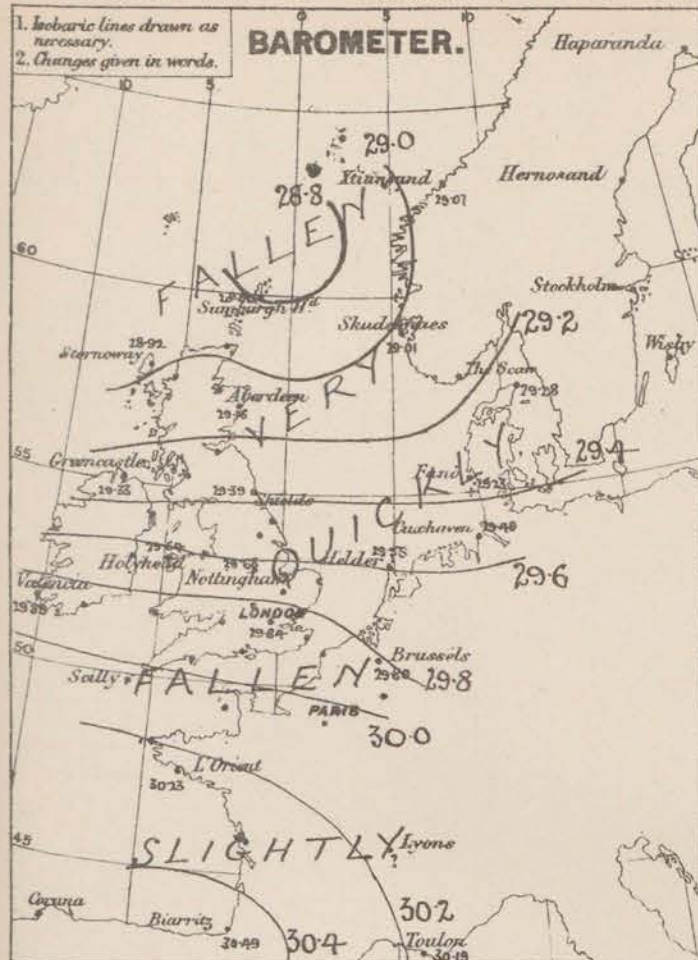
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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.

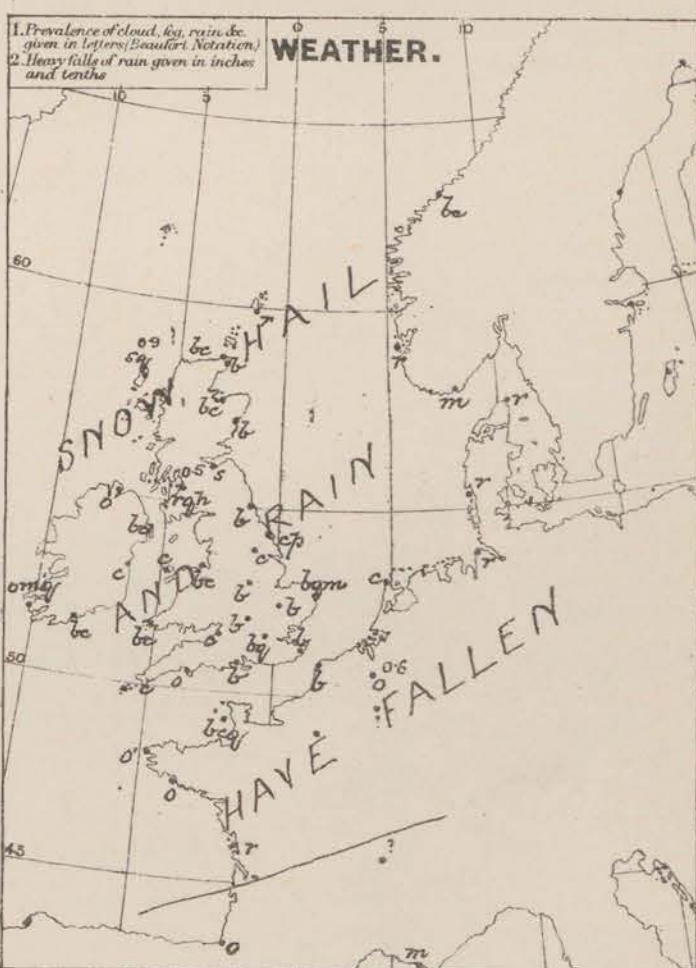
WEATHER CHARTS

for 8 a.m. on Wednesday

1878.



Note A dotted line is drawn round these coats where the signals are flying.



REMARKS: Weather is very wild and stormy all over the United Kingdom. The sky is nevertheless clear at present in most places, but at some of the Scotch ports squalls of wind and hail are reported, rain at Limerick Head and on the Eⁿ shore of the North Sea. Rain has fallen at all our stations during the past 24 hours, but, excepting on our NW coasts, the amounts reported are small. Temperature has decreased generally - especially in the more Sⁿ counties of England. At Oxford it has fallen 15° since yesterday. Wind is strong to a gale from the Wⁿ on nearly all our coasts. At Limerick Wⁿ, however, it is now NW^y, but at Down it is again SW^y and a fresh storm seems to be approaching us. It blew a fresh to strong gale from the Wⁿ on all our coasts during the night. Sea is rough except along our E. coast, where the wind blows off the land.

Barometrical Indications. A very deep depression advanced to our Nⁿ coasts from the Wⁿ last night, and its centre now lies between the Shetlands and Norway. Another disturbance seems to be already advancing towards the W. of Scotland, apparently from the NW, and will probably pass over us during to-day.

Fannings. All but our SE. coasts were again warmed last evening, and the latter coasts have been warmed this morning for renewal of gale.

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.
Secretary.

DAILY WEATHER REPORT

JAN^y 24th

1878.

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.)	SE. OF F.M.T.		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 ...	29.26	22	Z	0	0	29.29	-.03	27	27	+ 22	SH	2	0	*	27	0	-	
Hernösand ...	29.21	24	S	2	C	29.12	-.28	29	28	+ 11	E	6	0	*	*	*	-	
Stockholm ...	28.95	31	SE	6	S	28.78	-.69	33	32	+ 7	SSE	2	2	*	*	*	0.04	
Wisby ...	28.97	36	SH	8	0	28.93	-.66	34	32	?	WSH	6	2	*	*	*	0.32	
Christiansund...	28.84	35	SE	3	0	28.81	-.26	32	29	- 4	ESE	2	0	3	37	30	-	
Skudesnaes ...	28.85	36	S	6	S	28.86	-.15	33	33	- 4	Z	0	5	4	37	?	0.24	
Oxö (Xtiansand)	28.93	33	N	2	S	28.89	-.28	32	31	- 4	NNE	4	0	3	36	30	-	
Skagen (The Sæw)	28.93	33	NNW	2	+	28.92	-.36	33	32	0	NNE	2	0	2	36	30	0.28	
Fanö ...	29.13	38	N	6	0	28.89	-.34	38	37	- 3	N	6	0	*	41	32	0.57	
Cuxhaven ...	29.41	41	N	8	0	29.15	-.34	37	36	- 7	WSH	6	2	*	2	34	0.09	
Sumburgh Head	28.83	34	NNW	1	0	28.87	+ .07	36	34	- 3	NN	1	0	2	41	31	0.16	
Stornoway ...	28.99	37	NNW	8	S	29.34	+ .42	33	32	- 1	N	6	0	6	39	29	0.37	
Thurso ...	28.81	37	NNW	4	+	29.08	+ .11	35	34	+ 1	NN	7	0	6	39	?	0.38	
Wick ...	28.75	35	NNW	7	+	29.06	+ .08	33	33	- 1	NN	8	0	4	39	31	0.23	
Nairn ...	28.94	37	NNW	7	0	29.18	+ .05	33	32	0	NN	8	0	5	38	31	0.13	
Aberdeen ...	28.88	38	N	4	0	29.10	-.00	34	32	0	NNW	8	0	2	39	33	-	
Leith ...	29.06	36	N	5	0	29.29	+ .03	34	32	0	NNW	3	0	*	37	32	0.30	
Shields ...	29.23	36	N	8	0	29.30	-.09	34	31	- 3	N	5	0	3	41	33	0.02	
Scarborough ...	29.31	36	N	6	0	29.32	-.16	36	34	- 1	NNW	4	0	4	40	35	-	
York ...	29.39	38	N	6	0	29.38	-.15	35	33	- 3	NNW	4	0	*	43	33	0.05	
Nottingham ...	29.04	37	S	4	0	29.50	-.18	35	34	- 2	N	2	0	*	44	34	0.01	
Ardrossan ...	29.21	40	N	7	0	29.37	+ .09	38	36	- 1	NNW	3	0	3	43	36	0.81	
Greencastle ...	29.34	37	NNW	6	0	29.43	+ .10	38	35	+ 3	NN	2	0	*	41	33	0.52	
Donaghadee ...	29.42	36	NNW	5	0	29.48	+ .05	36	34	+ 2	NN	4	0	3	38	33	0.08	
Kingstown ...	29.62	38	N	6	0	29.58	-.06	39	37	+ 1	NNW	5	0	4	40	35	0.02	
Holyhead ...	29.55	40	N	7	0	29.54	-.10	41	38	+ 2	NNW	5	0	4	42	38	-	
Liverpool (Bidston)	29.46	36	N	8	0	29.47	-.11	39	36	+ 1	NNW	7	0	4	41	34	0.06	
Valencia ...	29.93	45	NNW	8	0	29.70	-.19	52	49	+ 8	NNW	5	0	5	?	38	0.52	
Roche's Point...	29.87	39	NNW	8	+	29.68	-.18	41	40	+ 3	N	2	0	5	42	38	0.31	
Pembroke ...	29.72	42	NNW	7	0	29.65	-.16	43	43	+ 1	NNW	2	0	3	44	39	0.06	
Portishead ...	29.71	40	SH	7	0	29.61	-.23	41	38	- 2	N	4	0	5	47	36	0.09	
Scilly ...	29.87	43	N	4	0	29.69	-.30	42	41	0	NNW	4	0	*	45	41	0.18	
Plymouth ...	29.78	44	NNW	9	0	29.66	-.25	42	41	- 2	NNW	5	0	6	45	36	0.03	
Hurst Castle ...	29.70	41	NNW	6	0	29.57	-.28	36	34	- 6	NNW	6	0	4	45	35	-	
Dover ...	29.68	41	NNW	6	0	29.60	-.24	38	35	- 3	N	3	0	*	46	35	0.05	
London ...	29.59	38	SH	5	0	29.59	-.23	37	35	- 1	N	1	0	*	44	35	0.02	
Oxford ...	29.58	38	SH	5	0	29.50	-.26	35	34	- 4	SH	4	0	*	45	34	-	
Yarmouth ...	29.53	40	N	5	0	29.40	-.26	35	33	- 5	N	5	0	3	42	33	-	
The Helder ...	29.28	38	WSW	5	0	29.28	-.28	41	38	- 5	WSW	5	0	*	*	*	-	
Cape Gris Nez ...	29.74	43	N	9	0	29.61	-.25	41	37	- 4	NNW	8	0	6	48	39	-	
Jersey ...	29.96	46	N	18	0	29.78	-.30	45	45	- 1	N	5	0	5	49	39	0.32	
Brest ...	30.14	50	NNW	6	0	29.96	-.24	50	50	+ 2	NN	6	0	8	50	41	0.24	
L'Orient ...	30.17	45	NNW	6	+	29.99	-.24	48	48	0	NNW	7	0	7	50	39	0.20	
Rochefort ...	30.25	50	NN	5	0	30.10	-.19	48	46	- 4	NNW	6	0	4	52	43	0.12	
Biarritz ...	30.43	52	WSW	5	0	30.34	-.18	48	45	0	WSW	6	0	5	54	45	0.20	
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Brussels ...	*	*	*	*	*	29.56	-.24	36	34	- 12	WSH	5	0	*	51	32	0.04	
Charleville ...	*	*	*	*	*	29.61	-.21	35	*	- 13	?	?	0	*	*	*	*	
Paris ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Lyons ...	*	*	*	*	*	30.08	?	43	*	- 1	SH	2	0	*	*	*	*	
Toulon ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	28.78	35	33	S	2	S	4	Valencia	29.90	45	42	N	8	chg	6
Thurso	28.77	36	35	S	3	0	3	Scilly							
Scarborough ...	29.38	40	38	WSW	6	0	5	London	29.75	45	40	N	5	chg.	*
Greencastle ...	29.31	40	35	NNW	5	0	*	Rochefort ...	30.25	50	48	NN	5	0	3
Holyhead	29.59	41	38	WSW	6	g hp	6								

Pressure is decreasing everywhere - mostly in the N. Gradients are very steep, and the wind still blows a gale in the SH.

EXPLANATION OF COLUMNS.

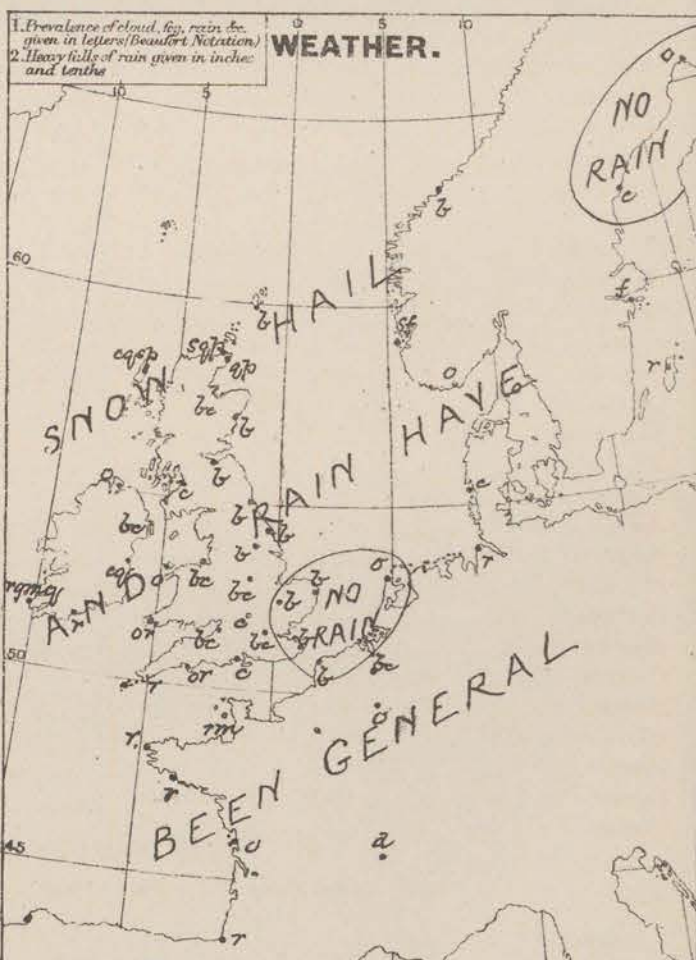
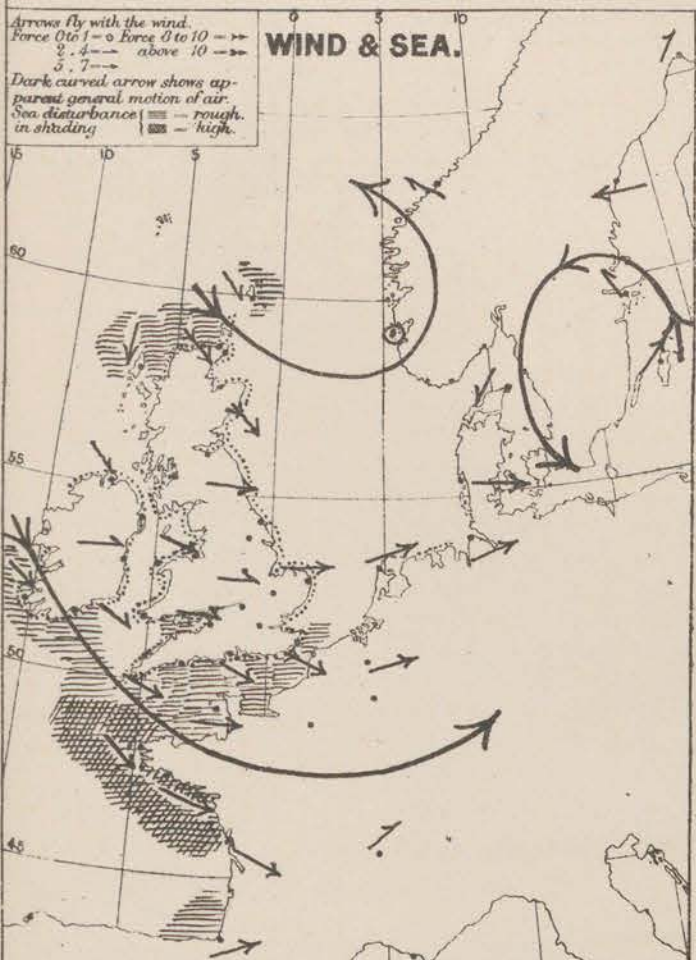
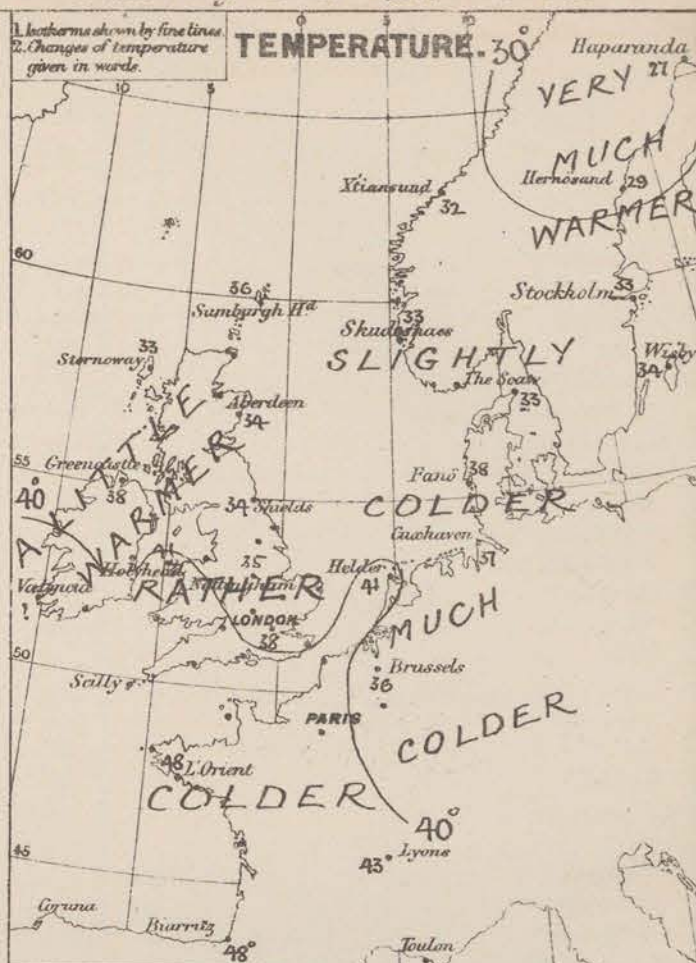
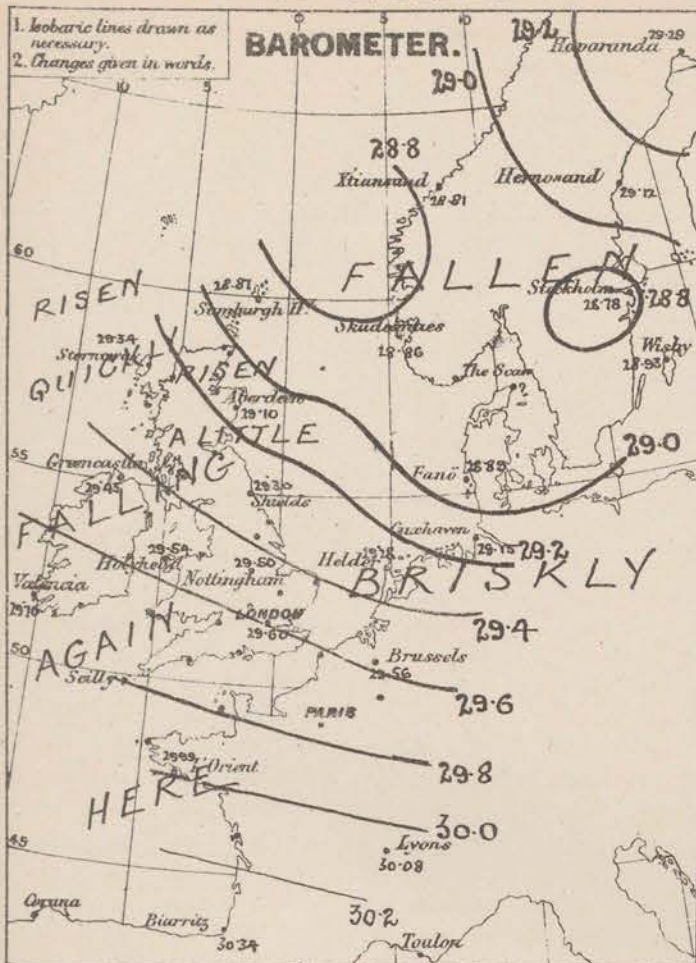
WEATHER.--Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 JANY 24. 1873.



REMARKS. Weather though quieter over England and Ireland at present than it was yesterday is nevertheless in a very unsettled condition. The sky is moderately clear in the NE. and E., but rain is falling in the SW. and comes in the extreme N. of Scotland. Rain, hail and sleet have been very general during the past 24 hrs. — but heaviest in the NW. and N. Temperature has fallen fast in the NE. of France, and to a less extent over England, but has risen in Ireland. It varies from 33° to 35° on N. and E. coasts, but is as high as 50° in the SW. In the Gulf of Bothnia the thermometer has risen rapidly, but is still below the freezing point in the N. half of the Gulf. Wind has veered to the NW. very generally in our Islands, and blows a gale from that quarter in Scotland. In Ireland it is more W., and somewhat in force, while in England and France it is fresh to strong. Sea is rough in all exposed places, but slight on our east coast — the wind being off the land.

Barometrical Indications. A large depression lies off the coast of Norway, a small one near Stockholm and another over Denmark. In the meantime there appears to be a new one approaching our western stations, where the barometer is falling fast, and more bad weather seems probable.

Warnings. are up on all our coasts.

Subscription for these Charts payable in advance to cover delivery. Delivery by hand 1/4 per quarter, book post 5/- per quarter.

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

R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT

JAN 25th

1878

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY										PAST 24 HOURS		
	Barometer at 3 p.m. 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 8 a.m. 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 ...	29.42	3	S	2	0	29.32	+ 23	- 3	- 3	- 30	NE	2	0	*	27	- 8	-	
Hernösand ...	29.06	30	E	6	8	29.22	+ 10	31	31	+ 2	ESE	6	0	*	*	*	0.16	
Stockholm ...	28.53	31	SE	2	0	28.99	+ 21	33	32	0	SE	2	0	*	*	*	0.08	
Wisby ...	28.95	34	ESE	1	0	28.97	+ 104	34	33	0	SSE	2	0	*	*	*	0.16	
Christiansund ...	28.78	32	?	3	0	28.97	+ 16	30	28	- 2	ESE	5	0	3	34	28	-	
Skudesnaes ...	28.83	36	SSW	4	0	28.91	+ 105	32	32	- 1	NNW	4	0	3	37	31	-	
Oxö (Xtiansand) ...																		
Skagen (The Scaw) ...	28.94	33	Z	0	0	28.96	+ 104	33	31	0	ESE	3	0	2	36	28	-	
Fanö ...	28.98	35	WSW	2	0	29.06	+ 17	31	30	- 7	NNW	6	0	*	?	30	0.04	
Cuxhaven ...	29.05	37	W	8	+	29.14	- 101	36	34	- 1	NW	6	0	*	37	34	0.08	
Sumburgh Head ...	29.05	26	N	7	5	28.98	+ 11	34	34	- 2	N	6	0	6	36	23	0.13	
Stornoway ...	29.34	35	NNE	4	0	29.40	+ 106	30	29	- 3	NNW	7	0	6	35	22	0.11	
Thurso ...	29.22	31	NW	7	0	29.19	+ 11	33	32	- 2	NW	7	0	6	37	25	0.24	
Wick ...	29.25	27	NW	5	0	29.20	+ 114	29	28	- 4	NW	4	0	3	34	23	0.16	
Nairn ...	29.34	30	NW	5	0	29.35	+ 17	36	35	+ 3	NW	4	0	2	?	24	-	
Aberdeen ...	29.29	31	NW	4	0	29.27	+ 17	26	24	- 8	NW	4	0	2	35	25	0.02	
Leith ...	29.37	34	NNE	2	0	29.42	+ 13	25	24	- 9	NW	3	0	*	40	23	0.07	
Shields ...	29.36	35	NW	2	0	29.37	+ 107	25	23	- 9	NNW	3	0	3	37	23	0.02	
Scarborough ...	29.36	34	NW	3	0	29.31	- 101	34	32	- 2	NNW	4	0	5	39	29	0.09	
York ...	29.38	35	NW	1	0	29.37	- 101	25	24	- 10	N	2	0	*	40	25	0.17	
Nottingham ...	29.42	38	N	1	0	29.39	- 11	26	25	- 9	NW	4	0	*	43	26	0.12	
Ardrossan ...	29.38	34	Z	0	0	29.48	+ 11	29	?	- 9	NNW	4	0	3	40	27	0.20	
Greencastle ...	29.42	36	NW	3	0	29.55	+ 12	38	29	- 8	NNW	3	0	*	40	28	0.09	
Donaghadee ...	29.46	36	NW	3	0	29.48	00	29	29	- 7	N	4	0	3	40	29	0.09	
Kingstown ...	29.53	38	NNW	4	0	29.59	+ 101	35	34	- 4	NW	6	0	5	40	33	0.06	
Holyhead ...	29.46	41	N	4	0	29.54	00	33	32	- 8	NNW	5	0	4	42	32	0.09	
Liverpool (Bidston) ...	29.43	40	NNW	3	0	29.47	00	32	29	- 7	NNW	3	0	4	41	30	-	
Valencia ...	29.70	49	NW	6	0	29.93	+ 23	41	36	- 11	NW	5	0	5	52	40	0.46	
Roche's Point ...	29.60	42	N	6	0	29.77	+ 109	39	38	- 2	NNW	7	0	5	49	38	0.28	
Pembroke ...	29.52	37	NE	1	0	29.62	+ 102	38	36	- 5	NW	6	0	4	43	37	0.29	
Portishead ...	29.46	42	WSW	5	+	29.48	- 113	37	34	- 4	NW	6	0	6	45	34	0.13	
Scilly ...																		
Plymouth ...	29.43	47	NW	4	0	29.62	- 107	37	35	- 5	NW	5	0	*	48	37	0.34	
Hurst Castle ...	29.45	39	NE	3	+	29.46	- 120	39	37	- 3	NW	7	0	6	44	34	0.21	
Dover ...	29.42	38	NNW	3	0	29.35	- 122	36	35	0	N	4	0	4	43	35	0.01	
London ...	29.44	42	NW	3	0	29.38	- 122	35	34	- 3	NNW	5	0	*	43	34	0.03	
Oxford ...	*	*	*	*	*	29.40	- 19	34	33	- 3	N	4	0	*	42	32	0.08	
Cambridge ...	29.42	38	NNW	1	0	29.37	- 19	34	33	- 1	N	3	0	*	44	33	0.05	
Yarmouth ...	29.36	35	NW	4	0	29.23	- 17	33	33	- 2	N	4	0	2	40	31	0.02	
The Helder ...	*	*	*	*	*	29.25	- 103	37	34	- 4	WSW	1	0	*	*	*	0.04	
Cape Gris Nez ...	29.45	41	NW	4	0	29.38	- 23	39	37	- 2	NNW	7	0	6	43	39	-	
Jersey ...	29.43	49	N	9	0	29.60	- 18	42	41	- 3	NW	7	0	6	50	40	0.91	
Brest ...	29.71	50	NNW	6	m	29.75	- 21	45	43	- 5	N	6	0	6	52	41	0.32	
L'Orient ...	29.72	50	NNW	8	+	29.71	- 28	46	45	- 2	NNW	6	0	7	52	43	0.71	
Rochefort ...	29.82	52	NNW	9	+	29.70	- 40	48	46	0	NW	5	0	5	52	43	0.28	
Biarritz ...	30.15	52	WSW	7	0	29.91	- 43	54	50	+ 6	N	6	0	8	55	43	0.35	
Corunna ...	*	*	*	*	*									*	*	*	*	
Brussels ...	*	*	*	*	*	29.38	- 18	32	32	- 4	N	4	0	21	42	31	0.04	
Charleville ...	*	*	*	*	*	29.40	- 21	33	*	- 2	SW	3	0	*	*	*	*	
Paris ...	29.48	41	NNW	3	+	29.44	- 32	48	41	+ 8	N	3	0	*	*	*	0.43	
Lyons ...	*	*	*	*	*	29.64	- 44	47	*	+ 4	N	6	0	*	*	*	*	
Toulon ...	29.91	46	NW	7	0	29.88	- 58	46	43	+ 5	NNW	8	0	7	50	39	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	28.85	37	35	N	1	sh	3	Valencia	29.59	52	49	NNN	7	gmg	6
Thurso	29.19	33	32	NN	7	bc	7	Scilly							
Scarborough ...	29.33	38	34	NN	5	bc	4	London	29.48	43	39	NNN	3	cu	*
Greencastle ...	29.41	38	36	NNN	1	bc	*	Rochefort ...	29.90	52	50	NNN	9	t	7
Holyhead	29.46	41	38	NNN	3	om	3								

The barometer is falling fast in the south, but still rises in the north and north-east. The gale in Scotland is dying down, but a moderate gale has set in at Valencia, and a strong NW gale in the Bay of Biscay.

EXPLANATION OF COLUMNS.

WEATHER.—Beaufort Scale is, b. blue sky; a. 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.

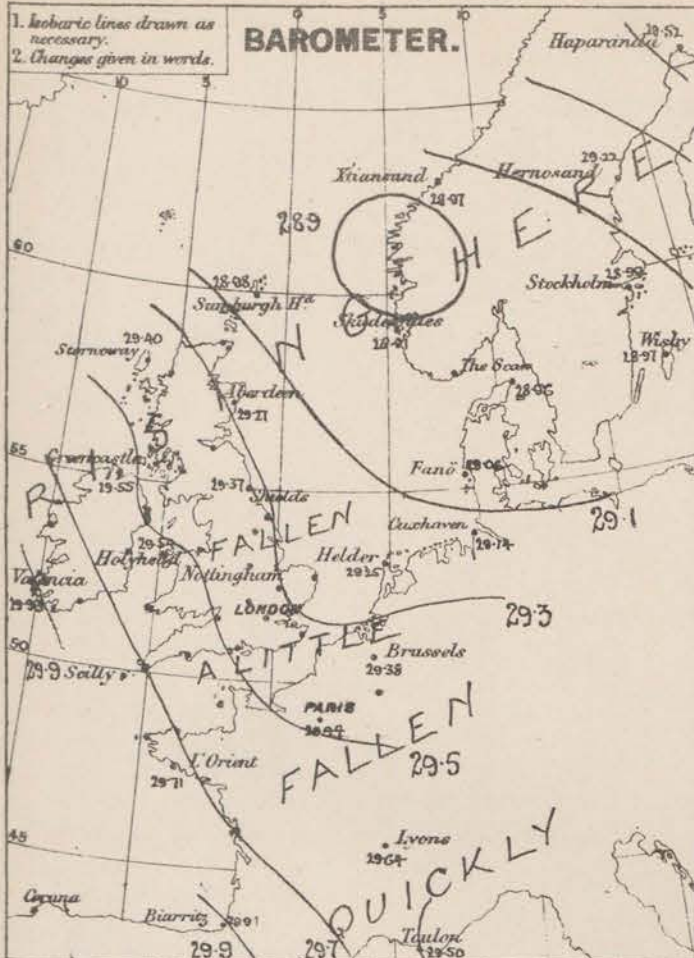
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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 25 JAN^y 1878.

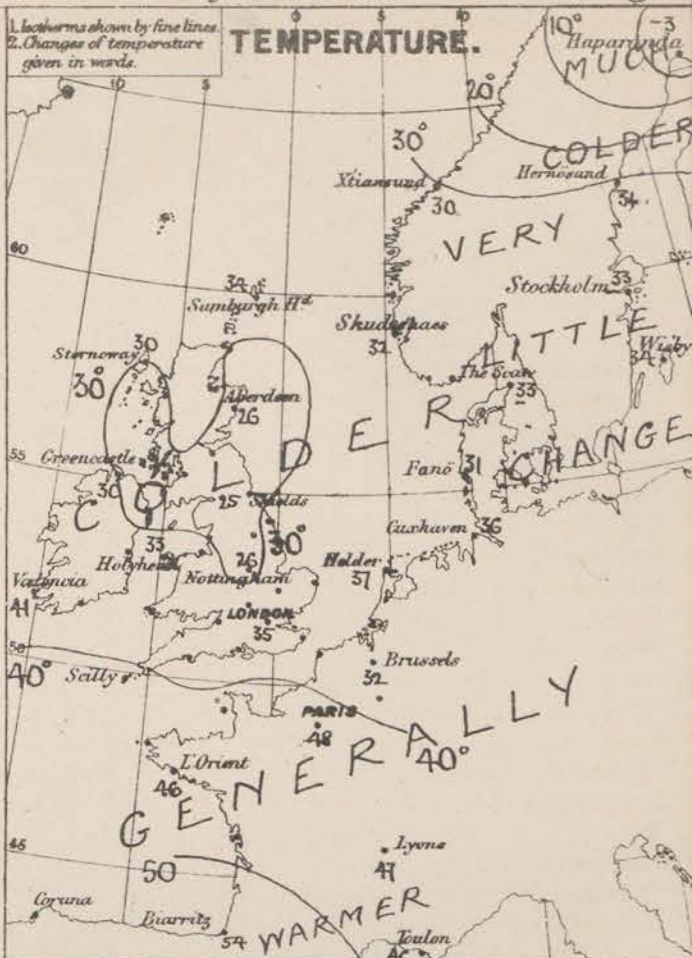
1. Isobaric lines drawn as necessary.
2. Changes given in words.

BAROMETER.



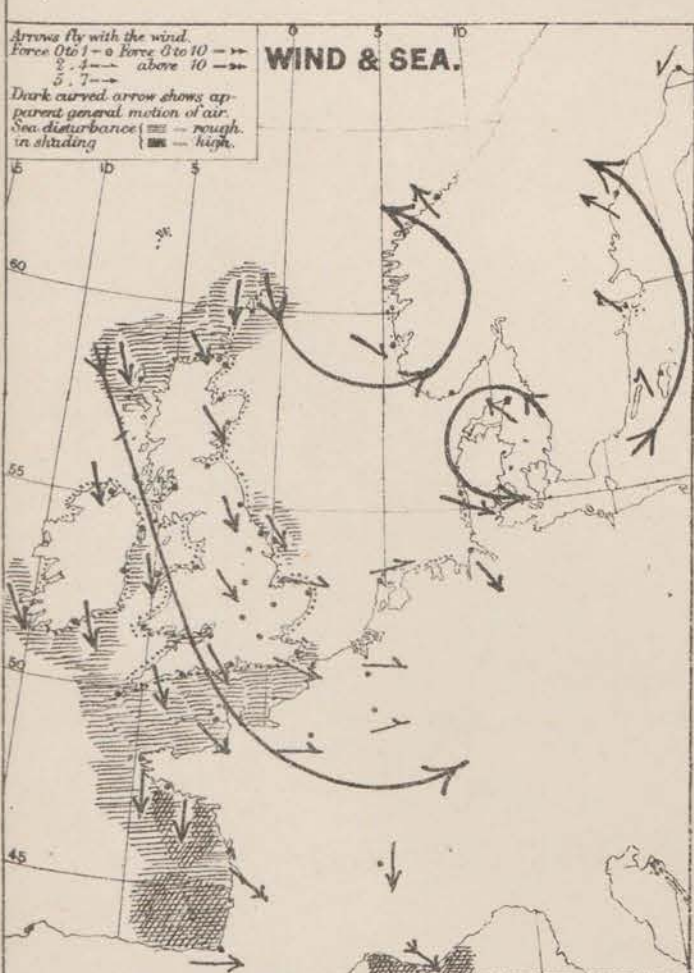
1. Isotherms shown by fine lines.
2. Changes of temperature given in words.

TEMPERATURE.



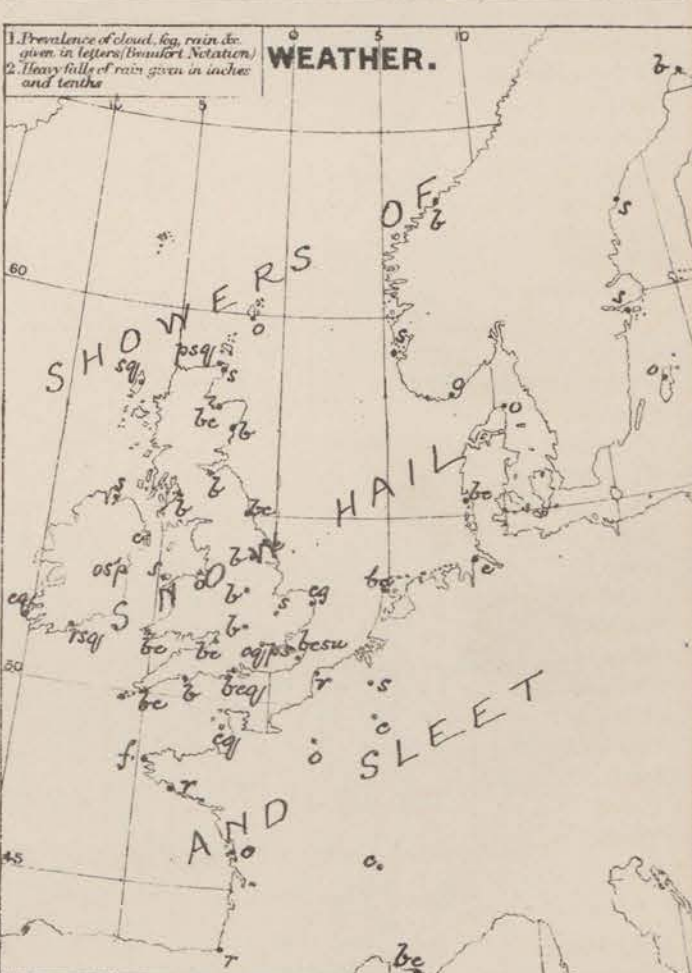
- Arrows fly with the wind.
- Force 0 to 1 - 0 Force 8 to 10 - 10
- Force 11 - 11 Force 12 - 12
- Force 13 - 13 Force 14 - 14
- Force 15 - 15 Force 16 - 16
- Force 17 - 17 Force 18 - 18
- Force 19 - 19 Force 20 - 20
- Force 21 - 21 Force 22 - 22
- Force 23 - 23 Force 24 - 24
- Force 25 - 25 Force 26 - 26
- Force 27 - 27 Force 28 - 28
- Force 29 - 29 Force 30 - 30
- Force 31 - 31 Force 32 - 32
- Force 33 - 33 Force 34 - 34
- Force 35 - 35 Force 36 - 36
- Force 37 - 37 Force 38 - 38
- Force 39 - 39 Force 40 - 40
- Force 41 - 41 Force 42 - 42
- Force 43 - 43 Force 44 - 44
- Force 45 - 45 Force 46 - 46
- Force 47 - 47 Force 48 - 48
- Force 49 - 49 Force 50 - 50
- Force 51 - 51 Force 52 - 52
- Force 53 - 53 Force 54 - 54
- Force 55 - 55 Force 56 - 56
- Force 57 - 57 Force 58 - 58
- Force 59 - 59 Force 60 - 60
- Force 61 - 61 Force 62 - 62
- Force 63 - 63 Force 64 - 64
- Force 65 - 65 Force 66 - 66
- Force 67 - 67 Force 68 - 68
- Force 69 - 69 Force 70 - 70
- Force 71 - 71 Force 72 - 72
- Force 73 - 73 Force 74 - 74
- Force 75 - 75 Force 76 - 76
- Force 77 - 77 Force 78 - 78
- Force 79 - 79 Force 80 - 80
- Force 81 - 81 Force 82 - 82
- Force 83 - 83 Force 84 - 84
- Force 85 - 85 Force 86 - 86
- Force 87 - 87 Force 88 - 88
- Force 89 - 89 Force 90 - 90
- Force 91 - 91 Force 92 - 92
- Force 93 - 93 Force 94 - 94
- Force 95 - 95 Force 96 - 96
- Force 97 - 97 Force 98 - 98
- Force 99 - 99 Force 100 - 100

WIND & SEA.



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

WEATHER.



Isobaric lines are drawn on maps as the weather signals are still flying.

REMARKS. Weather remains very unsettled and squally over the United Kingdom the Channel and France, with occasional showers of snow sleet and hail, and intervals of clear weather. Temperature has again fallen fast, and is now as low as 25° in the N. and NE. of England, and E. of Scotland. During the night it has been down to 23° at Leith and Shields. Valentia is the only station in our Islands at which the thermometer is as high as 40° this morning. Wind has veered to NW on all but our E. coasts, and varies in force from a moderate breeze to a moderate gale. A strong NW gale was felt at Jersey last evening, and a moderate NW gale prevails now. Sea is rough except along our E. coast. Barometrical indications. There is still a complicated series of depressions over the E. part of Scandinavia, a small secondary depression lies off the Wash, and there seems to be some additional disturbances advancing from the N. near the Azores towards the North Sea. In the west the sun is rising briskly. Gradual fall in NW to N winds are therefore getting steeper; that from Valentia to Sumburgh Head is already 0.9 in. per 5 miles. Warnings. The N. cone is flying in the W. and S., and has been re-hoisted on our N. and E. coasts this morning.

Subscription for these Charts payable in advance to cover delivery. Delivery by hand 1/4 per quarter; book post 5/- per quarter.

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

R. H. SCOTT.
Secretary

DAILY WEATHER REPORT

JAN 26TH 1878.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										LAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sec. (0 to 9.)	LAST 24 HOURS.		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 ...	29.72	1	Z	0	0	29.97	+ .45	7.13	?	- 10	N	2	0	*	19	- 13	-	
Hernösand ...	29.63	21	NE	6	0	29.97	+ .75	16	15	- 15	N	4	0	*	*	*	0.12	
Stockholm ...	29.28	33	ENE	2	0	29.61	+ .62	32	32	- 1	?	4	5	*	*	*	0.12	
Wisby ...	29.19	33	NE	2	0	29.53	+ .56	34	33	0	E	4	5	*	*	*	0.04	
Christiansund ...	29.47	32	ESE	4	0	29.84	+ .87	28	27	- 2	SE	3	0	3	32	27	-	
Skudesnaes ...	29.36	28	ENE	2	0	29.80	+ .89	28	26	- 4	ENE	2	0	2	32	28	-	
Oxö (Xtiansand) ...	29.32	30	NNE	4	0	29.73		31	31		NNE	4	0	3	?	27	-	
Skagen (The Seaw) ...	29.33	34	ENE	3	0	29.67	+ .71	33	31	0	NE	4	0	4	36	28	-	
Fanö ...	29.33	30	WSW	1	0	29.66	+ .60	31	30	0	N	2	0	*	34	27	-	
Cuxhaven ...														*				
Sumburgh Head ...	29.47	36	N	5	0	29.88	+ .40	37	34	+ 3	N	3	0	3	38	32	0.06	
Stornoway ...	29.71	38	NNW	5	0	29.96	+ .56	33	32	+ 3	NNW	2	0	5	40	27	0.19	
Thurso ...	29.54	40	N	5	0	29.90	+ .71	41	39	+ 8	NNW	3	0	5	44	32	0.23	
Wick ...	29.57	37	NNW	4	0	29.91	+ .71	32	31	+ 3	NNW	1	0	0	37	25	0.07	
Nairn ...	29.59	37	NNW	2	+	29.90	+ .55	35	34	- 1	SW	2	0	2	40	26	0.05	
Aberdeen ...	29.45	37	NNW	3	0	29.87	+ .60	36	35	+ 10	NNW	1	0	1	39	26	0.12	
Leith ...	29.52	40	NE	4	0	29.95	+ .53	36	34	+ 11	NNW	2	0	*	40	23	-	
Shields ...	29.42	32	NNW	2	0	29.92	+ .55	36	34	+ 11	NNW	2	+	4	38	23	0.03	
Scarborough ...	29.44	32	WSW	4	5	29.86	+ .55	39	39	+ 5	NNW	4	0	4	40	27	0.34	
York ...	29.47	27	NNW	1	0	29.91	+ .54	35	34	+ 10	NNW	2	0	*	40	24	0.02	
Nottingham ...	29.56	28	N	1	0	29.95	+ .56	36	32	+ 10	NNW	2	0	*	38	25	0.01	
Ardrossan ...	29.57	42	NNW	5	0	29.98	+ .50	37	35	+ 8	NNW	1	0	0	43	29	-	
Greencastle ...	29.72	40	NNW	3	0	29.98	+ .43	36	34	+ 6	NNW	1	0	*	40	27	0.33	
Donaghadee ...	29.71	39	NNW	6	0	30.02	+ .54	39	38	+ 10	NNW	3	0	2	40	29	0.24	
Kingstown ...	29.88	37	NNW	6	0	30.07	+ .48	38	36	+ 3	NNW	4	0	4	41	31	0.01	
Holyhead ...	29.65	41	NNW	10	0	30.00	+ .46	43	41	+ 10	NNW	4	0	4	45	29	0.05	
Liverpool (Bidston) ...	29.56	41	NNW	6	0	29.98	+ .57	39	37	+ 7	NNW	3	0	2	41	27	0.05	
Valencia ...	30.10	42	NNW	5	0	30.14	+ .21	41	39	0	Z	0	0	2	43	37	0.05	
Roche's Point...	29.98	38	N	6	0	30.14	+ .37	40	38	+ 1	NNE	2	0	3	40	36	0.14	
Pembroke ...	29.82	37	NNW	6	0	30.06	+ .46	41	40	+ 3	NNW	3	0	3	42	35	-	
Portishead ...	29.65	34	NNW	7	0	29.98	+ .50	39	38	+ 2	NNW	3	0	3	41	29	0.03	
Scilly ...																		
Plymouth ...	29.83	35	NNW	4	0	30.02	+ .40	37	38	+ 2	NNW	3	0	*	41	34	0.03	
Hurst Castle ...	29.64	31	NNW	6	0	29.90	+ .44	38	36	- 1	N	5	0	4	39	28	0.02	
Dover ...	29.48	31	NNW	6	0	29.83	+ .48	36	35	0	N	5	0	3	37	29	0.03	
London ...	29.56	32	NNW	4	0	29.89	+ .57	36	34	+ 1	NNW	2	0	*	38	30	0.01	
Oxford ...	*	*	*	*	*	29.95	+ .55	34	32	0	N	1	0	*	38	28	0.10	
Cambridge ...	29.53	28	NNW	3	0	29.87	+ .56	33	32	- 1	NNW	2	0	*	36	26	0.11	
Yarmouth ...	29.42	27	NNW	4	0.5	29.78	+ .55	33	32	0	NNW	3	0.5	3	33	24	0.55	
The Helder ...	*	*	*	*	*	29.70	+ .45	38	35	+ 1	NNW	1	0	*	*	*	0.28	
Cape Gris Nez ...	29.50	32	NNW	8	0	29.84	+ .46	37	36	- 2	N	4	0	4	41	30	0.04	
Jersey ...	29.77	36	NNW	8	0	29.94	+ .34	43	39	+ 1	NNW	6	0.5	6	44	33	0.02	
Brest ...	29.92	45	N	6	0	30.10	+ .35	45	43	0	N	5	0	6	46	36	0.12	
L'Orient ...																		
Rochefort ...																		
Biarritz ...																		
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	29.76	+ .38	28	26	- 4	NNW	2	0	*	36	27	0.63	
Charleville ...	*	*	*	*	*	29.66	+ .26	31	3	- 2	NNW	9	5	*	*	*	*	
Paris ...	*	*	*	*	*									*	*	*	*	
Lyons ...	*	*	*	*	*	29.87	+ .23	41	*	- 6	SE	4	0	*	*	*	*	
Toulon ...																		

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

	Bar.	Dry.	Wet.	Wind.	Wet.	Sea.		Bar.	Dry.	Wet.	Wind.	Wet.	Sea.
Skudesnaes ...	29.19	32	30	ENE	2	0	Valencia ...	30.05	40	38	NNW	5	0.5
Thurso ...	29.29	39	39	NNW	6	0.5	Scilly ...						
Scarborough ...	29.40	30	29	NNW	4	0	London ...	29.48	33	31	NNW	5	0
Greencastle ...	29.63	36	33	NNW	4	0	Rochefort ...	29.71	46	45	NNW	4	0
Holyhead ...	29.64	35	33	NNW	9	0.5							

The barometer has risen very generally since the morning. The wind has increased to a stiff gale from NW over the Irish Sea, and is fresh to strong from the same quarter in other places.

EXPLANATION OF COLUMNS.

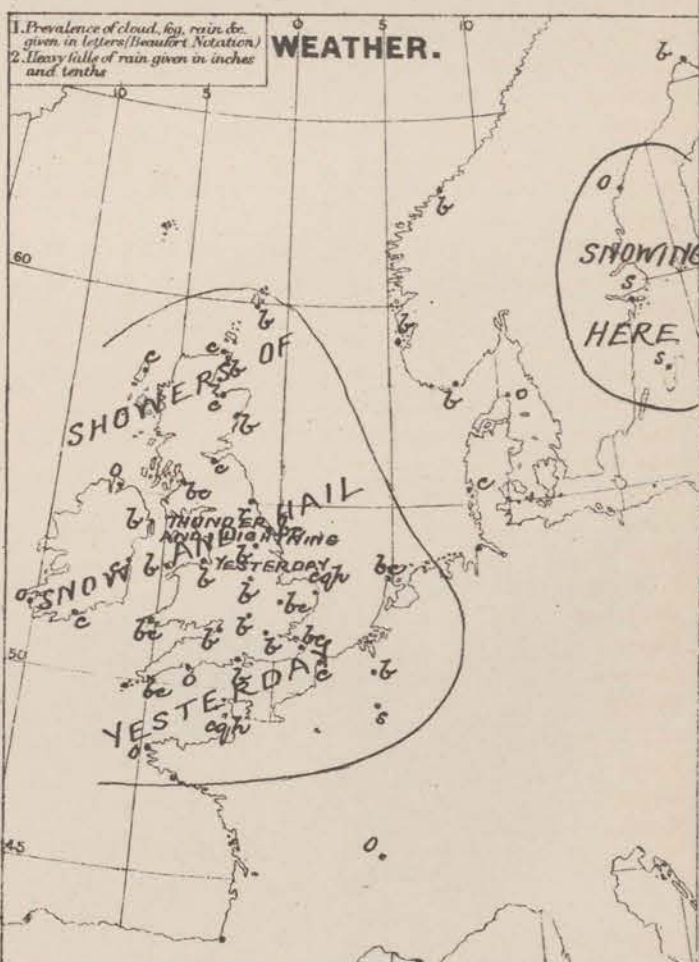
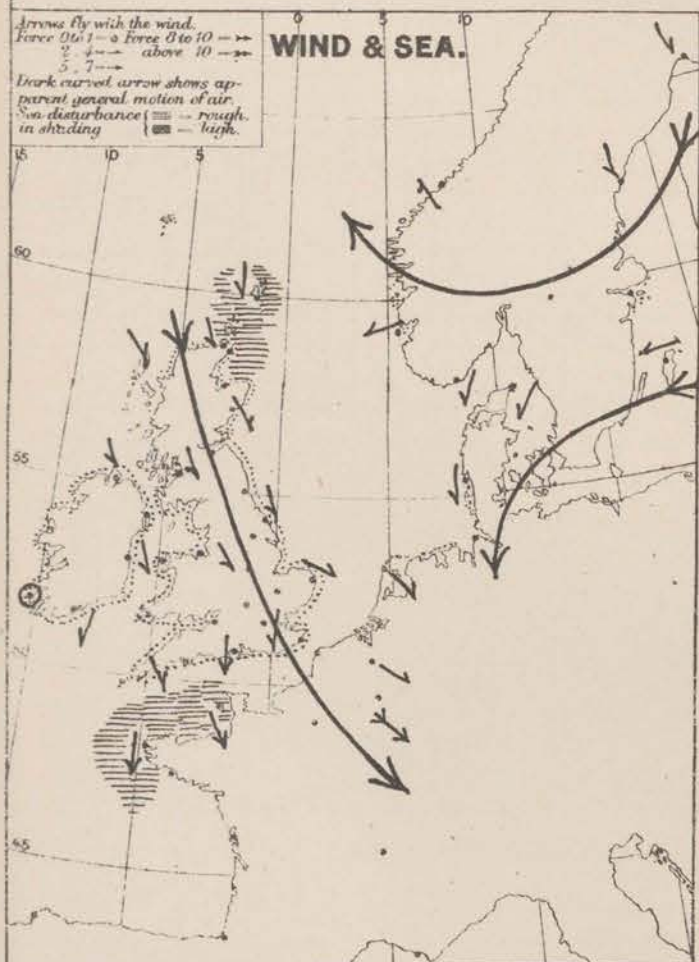
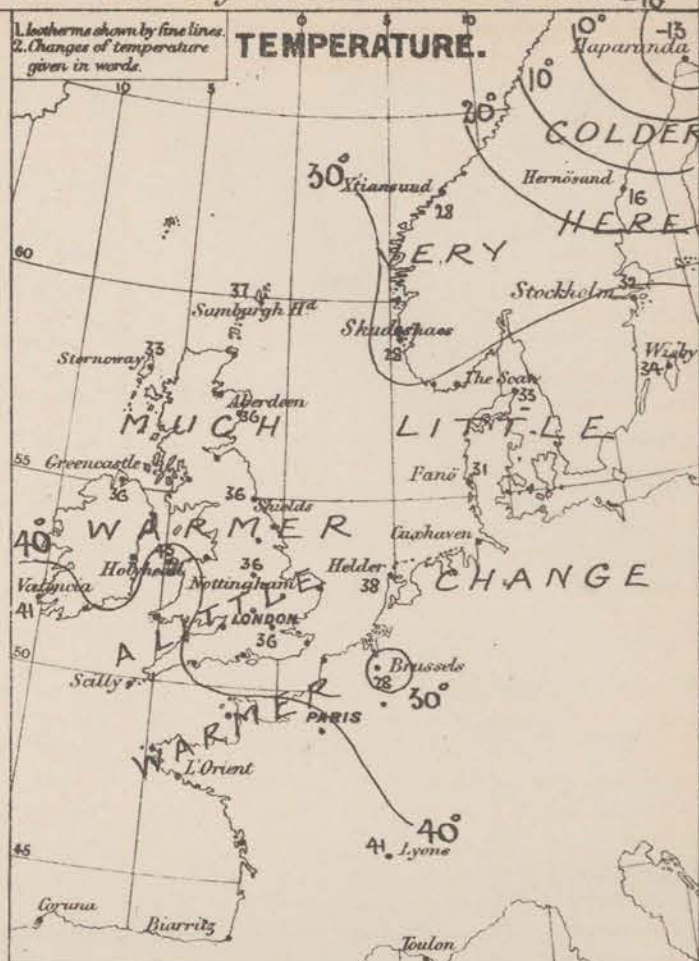
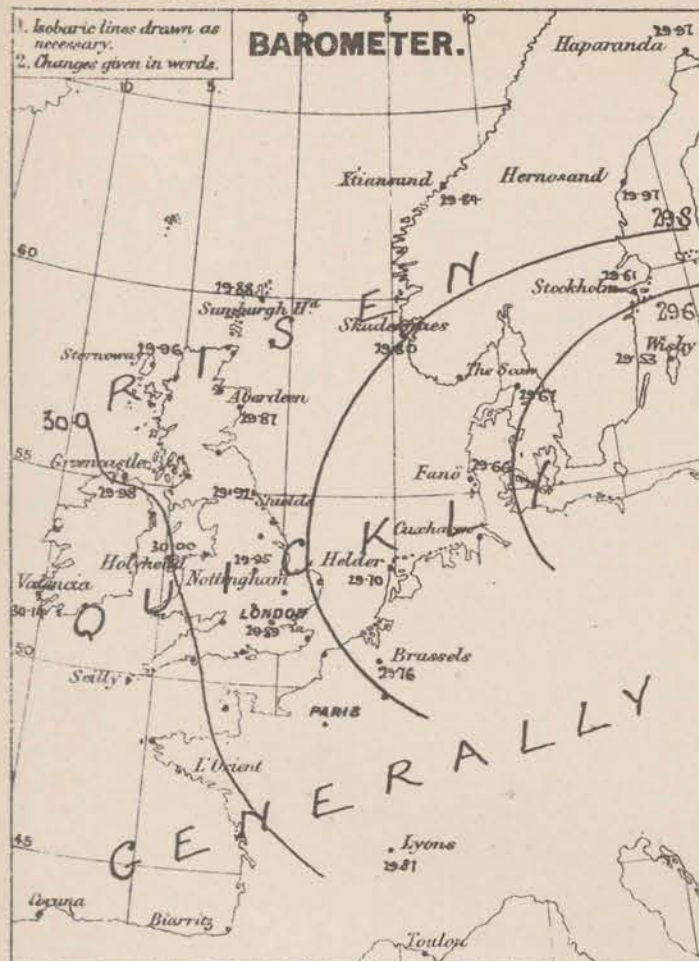
WEATHER.—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; i. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility; unusual transparency; w. dew.

* 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 26 Jan^y 1878. -10°



REMARKS. Weather is much quieter than of late. The sky is generally clear over England and the east of Ireland, rather cloudy elsewhere. Rain is reported at Shields, and snow and hail equally at some French stations. Snow equally occurred very generally over England yesterday, and thunderstorms were experienced in the N. of England during the evening. Temperature has risen about 10° in the N. of England, and E. of Scotland (where it was so low yesterday) in our Islands it now varies from 43° at Falmouth to 35° on our NE. coasts. In the N. of Norway it is 28°, and at Haparanda (Gulf of Bothnia) it is as low as minus 13° F. (or 45° below the freezing point). Winds has at length fallen very light from NW in Scotland; over England it is moderate from NNW, but in the Channel, and N. of France it is still fresh to strong from the N. or NW & N. gales were felt very generally on the English coasts yesterday - especially at Holyhead. Sea is going down, but is still rather rough in the Channel. Barometrical Indications. A rise of the barometer has been very general during the past 24 hrs., the change varying from 0.9 in. in the S. of Norway to 0.2 in. over the S. of France, and the S. of Ireland. At Falmouth the mercury has been steady during the night. Readings are still highest in the NW, but the gradients are slight. The warning signals have not yet been lowered.

SUMMARY OF WEATHER IN WESTERN EUROPE

from JAN 20th to JAN 26th 1878.

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

During the first five days of this period pressure was highest over France, and a series of depressions passed from west to east across or to the northward of these Islands. These disturbances occasioned very steep gradients, and severe S.W. to N.E. gales were experienced all round our coasts. On the 25th pressure increased in the south-west and gave way over north Germany so that gradients for N.W. winds were formed, and breezes from that quarter were felt until the evening of the 26th, when a sudden fall in the west, and a rapid rise over Scandinavia caused a complete change in the distribution, bringing back S.E. winds. The thermometer was high during the early part of the week, but on Wednesday it began to fall, and towards the close the weather was cold. Rain ^{has} been general, and on some occasions heavy.

JAN: 20th Pressure was increasing somewhat over France, but decreasing in all other parts of our area. A large area of high reading (30.5 ins.) stretched from Spain across France to N. Germany, while the barometer was lower in the neighbourhood of the Shetlands (29.75 ins.). Wind was S.W. to S.E. on almost all coasts, it was fresh to moderate in force, but increased to a strong breeze in some places. Temperature had fallen in the north of Scotland, in the south of Ireland and east of France, risen elsewhere, it was very uniform over western Europe. Sky was clear at most of the northern and north-western stations cloudy or dull in most other districts. Little rain had fallen. In the evening pressure was decreasing, quickly in the west and north-west, gradients were steeper and the southerly winds were rising in the east with rain.

JAN: 21st The mercury had fallen slightly over Great Britain and Ireland, quickly in the Shetlands and rapidly in Scandinavia, a large depression had passed from west to east, to the northward of these Islands, its centre at 8 a.m. being near Christiansund (28.65 ins.), while at Valentia there were the first indications of a fresh disturbance. Wind was southerly in the South of Ireland, south-westerly over England, the north of France and over the North Sea, but was westerly in Scotland, it was strong to a moderate or fresh gale on nearly all but the French coast, and during the night had blown a gale very generally. Temperature had risen except in Scotland, the rise in the south-east being considerable; it was very high over the whole country. Sky was overcast, the weather was wet, squally and unsettled. During the day a small secondary depression advanced over Ireland from the westward, causing very steep gradients, and a freshening of the wind at the southern and western stations.

JAN: 22nd The mercury was rising in the N. and falling in the S. gradients had consequently decreased, the depression from Ireland had travelled very quickly, its centre at 8 a.m. lying apparently over the Sound; readings continued highest over the south of France, Barrio 30.58 ins. while the lowest reported was Christiansund 29.32 ins. - Wind was westerly to south-westerly on all coasts, it was strong to a gale over the Channel and its neighbourhood, as well as at Cuxhaven and Christiansund, but was very light on all other coasts. Temperature had risen over France and at our extreme south-eastern stations, but had fallen fast elsewhere; in Scotland it was rather low. Sky was clear in the N. dull elsewhere, with rain and mist in the south-west. At 6 P.M. the barometer was falling everywhere, quickly in the Fribes, the winds had backed to south-west, was rising and was blowing a fresh gale at Valentia.

JAN: 23rd A rapid decrease had occurred in pressure at our northern stations and extended in a less degree to all parts of Western Europe, a deep depression lay near the Shetlands (28.80 in.) while the highest readings were reported from the south (Biarritz 30.49 in.). Wind was light on the north-east coast of Scotland, strong to a gale in all other places; it was westerly on our coasts, south-westerly in Denmark, and south-easterly in Norway. Temperatures had fallen except in the south of France and west of Norway; it was very uniform. Weather was fine in most places though snow squalls were reported at some of the Scotch stations. Snow, hail and rain showers had occurred over the country. During the day a further fall of the barometer occurred in the north, and at 6 P.M. the wind was blowing a gale on nearly all the British coast.

JAN: 24th Pressure was recovering somewhat at all our more northern stations, but was still decreasing in the south, as well as over France, north Germany and Sweden; a large area of low pressure, in which two or three basic minima existed, lay to the northward of these Islands, and over the south of Scandinavia (28.9 in.), while the highest readings were shown over southern France (Biarritz 30.34 in.). Wind was north-westerly very generally and fresh on most coasts, increasing to a gale in Scotland. Temperature was rather higher in the north-west than on the previous day, but was lower elsewhere, — in the Shetlands the change was considerable. Weather was overcast and wet in the south-west, and snow squalls were reported in the extreme north, but elsewhere the sky was clear or nearly so. During the day, a small depression passed in over England causing the barometer to fall at our southern stations, while in the north and west the mercury rose; the wind had increased to a strong gale in the north and west of France, but was inclined to fall lighter elsewhere.

JAN: 25th The area of low pressure (29.0 in.) still retained its position over Scandinavia, but the barometer having fallen briskly over France, while it had risen on our western coasts, the region of highest readings (29.9 in.) had spread northward and stretched from the south-west of France to the west of Ireland. The distribution of pressure was very irregular, small local disturbances being reported from various parts. Wind was northerly to north-westerly in direction, and varied from a moderate breeze on the east coast of England, to a moderate gale in the west and north. Temperature has again fallen, and over Scotland, and the north of England the thermometer stood below 30° at 8 a.m. Weather was unsettled; at the majority of stations sky was clear, but in the north of Scotland, in Ireland and the S.E. of England snow squalls were reported. Later in the day the barometer rose everywhere, temperature fell over England, snow showers were frequent and general, and a whole gale from north-west sprang up at Holyhead.

JAN: 26th Pressure had increased in all parts of western Europe, the change in Norway amounting to nearly an inch. A large area of high readings (30.1 in.) stretched from the south of Ireland southward across the Bay of Biscay, whence pressure decreased to 29.5 in: both over the Baltic and the Gulf of Genoa. Wind was northerly (N-N-E) on most coasts, it was light or moderate over the Islands, but blew strongly over France. Temperature had fallen just in the north of Sweden, but had risen in most other places, very briskly at our northern stations, it was very uniform in our neighbourhood, but was as low as -13° at Apatanda. Weather was clear or moderately so generally, but rain was reported from Shields, hail from Yarmouth and Lundy. Later telegrams showed that the barometer was falling rather briskly in the west, where the winds had shifted to south.

Meteorological Office,
116 Victoria Street, Westminster, S.W.
ROBERT H. SCOTT, Secretary.

DAILY WEATHER REPORT JAN. 27th 1878.

STATIONS.	↑ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 820 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.			
			Direc.	Force. (0 to 12).			Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12).			Max.	Min.				
Haparanda ...	30.25	-4	Z	0	0	30.48	+ .51	-8	-8	+ .5	Z	0	0	*	-4	-13	-		
Hernösand ...	30.26	14	N	2	0	30.43	+ .46	14	13	- 2	N	2	S	*	*	*	-		
Stockholm ...	30.02	30	NE	2	0	30.19	+ .58	28	27	- 4	NE	4	0	*	*	*	0.12		
Wisby ...	29.88	32	ESE	4	0	29.95	+ .42	31	30	- 3	E	6	0	*	*	*	0.20		
Christiansund ...	30.06	34	ESE	2	0	30.13	+ .29	30	27	+ 2	SSE	3	0	3	34	27	-		
Skudesnaes ...	30.09	30	ENE	4	6	30.19	+ .39	30	28	+ 2	SE	4	6	3	32	28	-		
Oxö (Xtissand) ...	30.06	28	NNE	4	6	30.23	+ .30	28	27	- 3	NNE	4	0	?	?	?	-		
Skagen (The Seaw) ...	30.00	31	ENE	6	0	30.19	+ .52	30	28	- 3	E	3	0	2	34	27	0.04		
Fanö ...	29.97	31	N	3	5	30.11	+ .45	32	31	+ 1	NE	4	0	*	34	27	-		
Cuxhaven ...	29.89	2	NNW	2	0	30.04	+ .40	35	35	+ 3	NNE	3	0	*	36	30	-		
Sunburch Head ...	29.97	37	ESE	1	0	29.89	+ .01	40	36	+ 3	SSE	6	0	6	40	34	0.01		
Stornoway ...	29.85	38	SE	5	0	29.67	- .29	42	41	+ 9	S	7	0	6	42	32	0.01		
Thurso ...	29.96	34	Z	0	0	29.77	- .13	36	35	- 5	SSE	4	0	4	43	32	-		
Wick ...	29.94	34	E	1	0	29.80	- .11	39	37	+ 7	S	6	0	3	39	30	0.02		
Nairn ...	29.98	33	SW	1	0	29.79	- .11	40	38	+ 5	SW	1	0	1	40	32	-		
Aberdeen ...	29.98	35	Z	0	0	29.92	+ .05	39	37	+ 3	S	5	0	2	39	31	-		
Leith ...	30.02	37	N	2	0	29.91	- .04	37	35	+ 1	S	1	0	*	42	31	-		
Shields ...	30.04	37	NNW	3	0	30.03	+ .11	36	34	0	SSW	2	0	4	40	32	0.02		
Scarborough ...	30.03	37	NNW	2	0	30.06	+ .20	35	34	- 4	S	2	0	2	42	34	0.01		
York ...	30.06	35	N	1	0	30.08	+ .17	33	32	- 2	S	1	0	*	40	34	-		
Nottingham ...	30.10	34	Z	0	0	30.10	+ .15	31	31	- 5	SSE	1	0	*	41	28	-		
Ardrossan ...	30.01	38	E	1	0	29.85	- .13	40	39	+ 3	SE	3	0	4	41	37	0.14		
Greencastle ...	29.93	37	SE	1	0	29.73	- .25	43	41	+ 7	SE	1	0	*	?	35	0.55		
Donaghadee ...	30.03	38	N	2	0	29.82	- .20	43	43	+ 4	SSW	3	0	2	43	37	0.53		
Kingstown ...	30.08	40	SSE	1	0	29.88	- .19	47	46	+ 9	S	1	0	1	47	37	0.36		
Holyhead ...	30.06	43	WSW	1	0	29.90	- .10	43	43	0	SSW	5	0	3	45	42	0.24		
Liverpool (Bidston) ...	30.08	39	NN	1	0	29.99	+ .01	36	35	- 3	SE	3	0	1	42	36	0.04		
Valencia ...	30.01	50	SW	2	0	29.88	- .26	50	49	+ 9	SW	5	0	5	57	39	0.20		
Roche's Point... ..	30.06	44	WSW	3	0	29.93	- .21	49	48	+ 9	SW	2	0	3	49	40	0.10		
Pembroke ...	30.11	44	WNW	1	0	29.96	- .10	46	46	+ 5	S	4	0	4	46	41	0.07		
Portishead ...	30.09	43	NE	4	0	30.04	+ .06	40	40	+ 1	SW	2	0	2	30	34	-		
Scilly ...	30.10	42	NN	2	0	30.04	+ .02	44	43	+ 5	SW	1	0	*	47	37	0.03		
Plymouth ...	30.09	39	NN	1	0	30.08	+ .18	41	39	+ 3	E	1	0	2	43	33	-		
Hurst Castle ...	30.10	37	NNW	3	0	30.14	+ .31	35	34	- 1	N	1	0	0	40	30	-		
Dover ...	30.08	41	NN	1	0	30.14	+ .25	30	?	- 6	SE	1	0	0	42	29	-		
London ...	30.11	34	NN	1	0	30.13	+ .26	30	30	- 3	NNW	1	0	*	42	29	-		
Oxford ...	30.08	34	NNW	1	0	30.12	+ .34	31	31	- 2	Z	0	0	2	37	24	0.01		
Cambridge ...	29.99	34	NNW	1	0	30.10	+ .40	35	33	- 3	N	1	0	*	*	*	-		
Yarmouth ...	30.04	39	N	2	0	30.13	+ .29	36	36	- 1	E	1	0	0	39	34	-		
The Helder ...	30.25	42	NNW	2	0	30.12	+ .18	44	43	+ 1	SW	3	0	3	46	41	0.01		
Cape Gris Nez ...	30.19	48	NNW	2	0	30.07	- .03	46	?	+ 1	S	3	0	?	?	?	?		
Jersey ...	30.19	45	NNW	3	0	30.12	+ .02	45	45	+ 4	S	3	0	3	48	29	-		
Brest ...	30.15	50	NNW	4	0	30.22	+ .09	41	39	- 4	SSE	3	0	3	54	24	0.04		
L'Orient ...	30.23	48	NNW	4	0	30.23	+ .10	43	39	- 3	SSE	3	0	4	50	39	0.24		
Rochefort ...	30.26	57	SW	3	0	30.13	+ .37	30	30	+ 2	NNW	2	0	*	36	26	-		
Corunna ...	30.13	30	?	30.11	+ .45	30	?	1	ESE	1	0	*	*	*	*	*	*		
Brussels ...	30.17	30	30	- 4	NNW	?	f	*	*	*	*	*	*	*	*	*	*		
Charleville ...	30.23	34	?	7	N	2	6	*	*	*	*	*	*	*	*	*	*		
Paris ...	29.68	34	NNW	10	6	29.89	+ .41	30	30	+ 2	NNW	6	6	6	48	?	-		
Lyons ...	29.68	34	NNW	10	6	29.89	+ .41	30	30	+ 2	NNW	6	6	6	48	?	-		
Toulon ...	29.68	34	NNW	10	6	29.89	+ .41	30	30	+ 2	NNW	6	6	6	48	?	-		

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

Bar.	Dry.	Wet.	Wind.	Wen.	Sea.	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.				
Skudesnaes ...	29.99	32	28	NE	2	7	2	Valencia	30.05	45	45	SE	2	0	5
Thurso	29.97	40	39	5	11	0	4	Scilly							
Scarborough ...	29.97	41	40	NNW	4	0	4	London	30.02	44	38	NNW	3	0	*
Greencastle ...	29.98	39	38	SW	1	0	*	Rochefort ...	30.10	46	43	NN	6	0	6
Holyhead	30.06	45	43	WSW	3	0	2								

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

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.	
Skudesnaes ...	29.99	32	28	NE	2	7	Valencia	30.05	45	45	SE	2	oth	5
Thurso	29.97	40	39	S	11	cm	Scilly							
Scarborough ...	29.97	41	40	NNW	4	bc	London	30.02	44	38	NNW	3	3	6
Greencastle ...	29.98	39	38	SW	1	0	Rochefort ...	30.10	46	43	NN	6	c	6
Holyhead	30.06	45	43	WSW	3	c								

The barometer has begun to fall briskly at Valencia, where a moderate SE breeze has set in with drizzling rain, but without much increase of temperature. Elsewhere the mercury has risen.

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 Sunday 27th Jan^y 1878.



DAILY WEATHER REPORT

JAN 28TH 1878.

STATIONS.	† YESTERDAY EVENING						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	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.	Difference from 8 a.m. yesterday.	
Haparanda ...	30.57	-11	Z	0	0	30.61	+13	-13	-13	-5	NE	2	0	*	-4	-15	-		
Hernösand ...	30.50	22	NE	4	0	30.27	-16	17	17	+3	NE	6	0	*	*	*	-		
Stockholm ...	30.12	23	NNE	6	0	30.00	-19	27	?	-1	E	2	0	*	*	*	0.32		
Wibby ...	29.97	30	E	4	0	30.16	+21	30	29	-1	SSE	4	0	*	*	*	0.32		
Christiansund ...	30.14	28	ESE	3	0	29.93	-20	27	24	-3	ESE	2	0	2	30	23	-		
Skudesnaes ...	30.11	30	ESE	6	0	29.93	-26	31	28	+1	ESE	6	0	5	32	30	-		
Oxö (Årland) ...	?	27	NNE	6	0	30.05	-18	27	26	-1	NE	6	0	3	28	23	-		
Skagen (The Grow) ...	30.17	30	ENE	3	0	30.09	-10	28	26	-2	ENE	2	0	0	32	25	-		
Fanö ...	30.12	29	ENE	4	0	30.08	-08	29	28	-3	SE	3	0	*	32	25	-		
Cuxhaven ...	30.11	35	NE	2	0	30.08	+04	32	32	-3	SSW	1	0	*	?	30	-		
Sumburgh Head ...	29.70	40	SE	7	0	29.44	-45	39	39	-1	SSE	6	0	5	41	36	0.30		
Stornoway ...	29.53	41	SSW	2	0	29.57	-16	33	33	-9	W	1	0	4	42	32	0.33		
Thurso ...	29.60	37	SSE	5	0	29.46	-31	36	36	0	SW	2	0	3	40	34	0.34		
Wick ...	29.59	37	S	7	0	29.47	-33	36	35	-3	W	2	0	4	41	34	0.21		
Nairn ...	29.63	38	Z	0	0	29.50	-29	35	34	-5	Z	0	0	1	40	35	0.33		
Aberdeen ...	29.75	38	S	7	0	29.49	-43	36	35	-3	SW	1	0	3	40	35	0.60		
Leith ...	29.71	38	SSW	3	0	29.54	-27	38	37	+1	WSW	2	0	*	44	36	0.32		
Shields ...	29.88	35	S	4	0	29.60	-43	37	36	+1	WNW	1	0	3	38	33	0.53		
Scarborough ...	29.95	37	S	3	0	29.61	-45	37	37	+2	S	4	0	4	37	34	0.35		
York ...	29.93	34	S	2	0	29.63	-45	38	38	+5	W	2	0	*	39	32	0.50		
Nottingham ...	29.96	34	SSE	2	0	29.69	-41	40	40	+9	NNW	1	0	*	42	31	0.57		
Ardrossan ...	29.65	43	SE	4	0	29.58	-34	41	39	+1	NNW	3	0	2	44	40	0.99		
Greencastle ...	29.57	35	NNW	1	0	29.63	-10	36	34	-7	W	2	0	*	46		0.17		
Donaghadee ...	29.67	47	SW	2	0	29.68	-14	36	35	-7	WNW	2	0	2	47	36	0.35		
Kingstown ...	29.74	30	SSW	3	0	29.77	-11	39	37	-8	NNW	4	0	4	51	38	0.05		
Holyhead ...	29.77	47	SSW	1	0	29.71	-19	42	40	-1	WSW	5	0	4	47	41	0.48		
Liverpool (Bidston) ...	29.81	38	SE	5	0	29.67	-32	41	40	+5	W	4	0	1	43	36	0.64		
Valencia ...	29.81	45	NNW	4	0	29.92	+04	41	37	-9	NNW	4	0	4	51	37	0.06		
Roche's Point ...	29.76	48	SW	3	0	29.88	-05	38	36	-11	W	3	0	3	52	36	0.24		
Pembroke ...	29.84	49	SW	2	0	29.79	-17	43	41	-3	W	3	0	4	50	41	0.45		
Portishead ...	29.89	46	S	3	0	29.72	-32	41	40	+1	NNW	4	0	4	47	37	0.46		
Seilly ...																			
Plymouth ...	29.91	49	Z	0	0	29.77	-27	41	41	-3	W	3	0	*	50	41	0.55		
Hurst Castle ...	29.98	45	S	4	0	29.73	-35	46	45	+5	S	4	0	4	46	39	0.43		
Dover ...	30.08	41	SSE	1	0	29.83	-31	40	39	+5	SSW	6	0	5	41	33	0.04		
London ...	30.04	39	SSE	3	0	29.79	-38	43	43	+13	S	2	0	0	43	30	0.16		
Oxford ...	*	*	*	*	*	29.70	-41	45	44	+14	SSE	2	0	*	45	34	0.21		
Cambridge ...	30.05	36	NNW	1	0	29.72	-41	41	41	+11	S	1	0	*	41	29	0.34		
Yarmouth ...	30.05	37	SSE	5	0	29.79	-33	36	36	+8	S	5	0	4	37	30	0.14		
The Helder ...	*	*	*	*	*	29.97	-13	29	28	-6	SSE	2	0	*	*	*	-		
Cape Gris Nez ...	30.08	37	SSE	1	0	29.84	-29	34	34	-2	S	5	0	3	43	34	0.08		
Jersey ...	30.02	44	S	3	0	29.71	-41	45	45	+1	S	6	0	5	46	43	0.10		
Brest ...	30.0	48	WNW	6	0	29.83	-24	30	46	+4	NNW	1	0	5	50	45	0.16		
L'Orient ...	30.01	48	S	1	0	29.85	-27	48	48	+3	W	5	0	4	50	41	0.20		
Rochefort ...	30.09	48	SSE	3	0	29.94	-28	48	45	+7	SW	3	0	3	54	34	0.08		
Biarritz ...	30.12	50	S	2	0	30.06	-17	48	46	+5	SSE	2	0	3	52	41	0.20		
Corunna ...	*	*	*	*	*									*	*	*	*		
Brussels ...	*	*	*	*	*	30.07	-12	30	30	0	SSE	5	0	*	36	26	-		
Charleville ...	*	*	*	*	*	30.00	-11	31	*	+1	SSE	6	0	*	*	*	*		
Paris ...	30.14	33	S	2	0	29.97	-20	33	32	+3	SSW	13	0	*	*	*	-		
Lyons ...	*	*	*	*	*	30.28	+05	30	*	-4	NE	2	0	*	*	*	*		
Toulon ...	30.40	37	NNW	5	0	29.93	+08	27	30	+7	NNW	5	0	6	41	30	-		
YESTERDAY'S 2 P.M. REPORTS AND REMARKS.																			
	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.						
Skudesnaes ...	30.15	32	29	ESE	5	0	3	Valencia ...											
Thurso ...								Seilly ...											
Scarborough ...								London ...									*		
Greencastle ...						*		Rochefort ...	30.12	45	41	SSE	3	0	3				
Holyhead ...																			

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

Bar.	Dry.	Wet.	Wind.	Wet.	Sea.	Bar.	Dry.	Wet.	Wind.	Wet.	Sea.
Skudesnaes	30.15	32	29	ESE	5	2	3	Valencia			
Thurso								Seilly			
Scarborough								London			
Greencastle						*		Rochefort	30.12	45	41
Holyhead											

EXPLANATION OF COLUMNS.

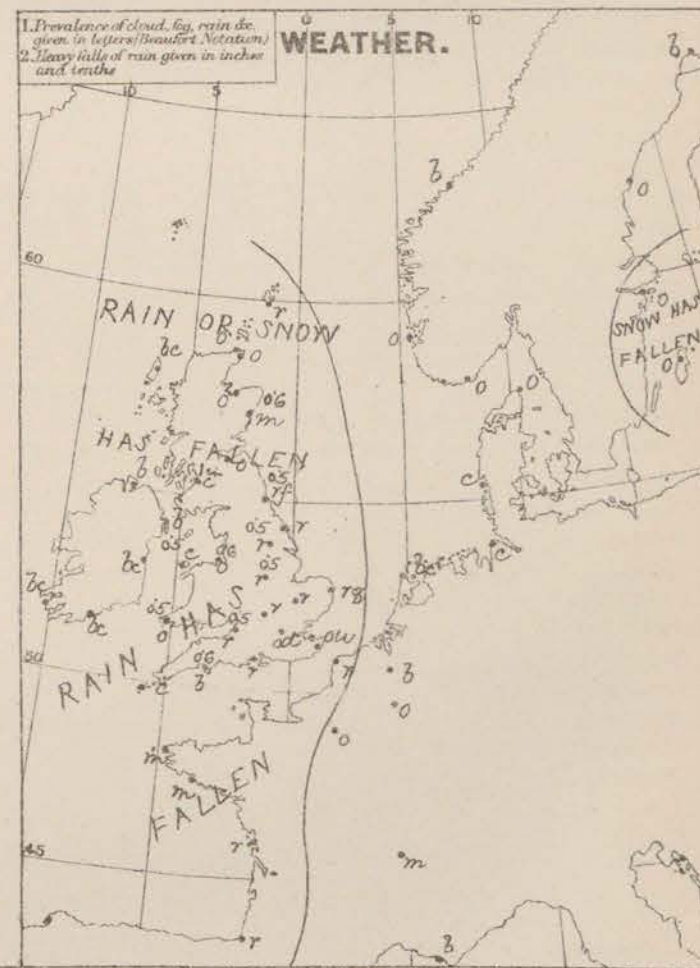
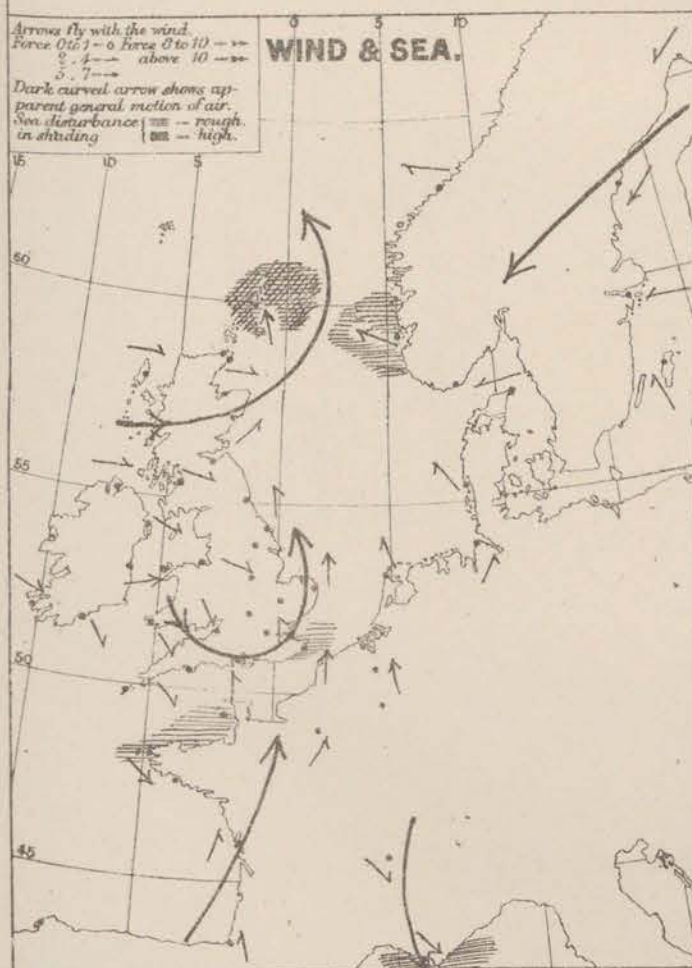
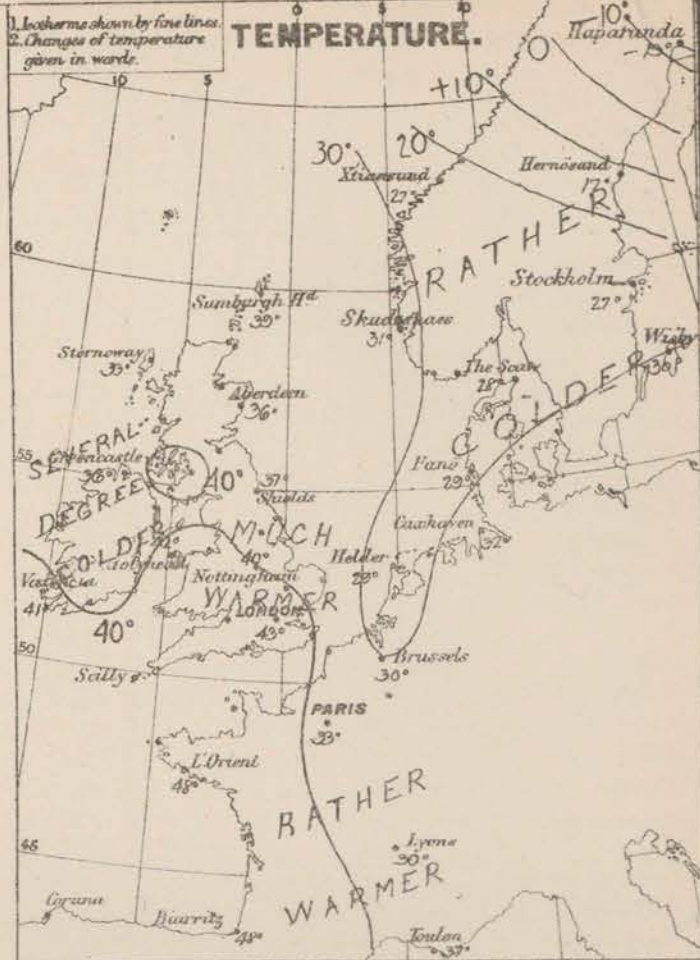
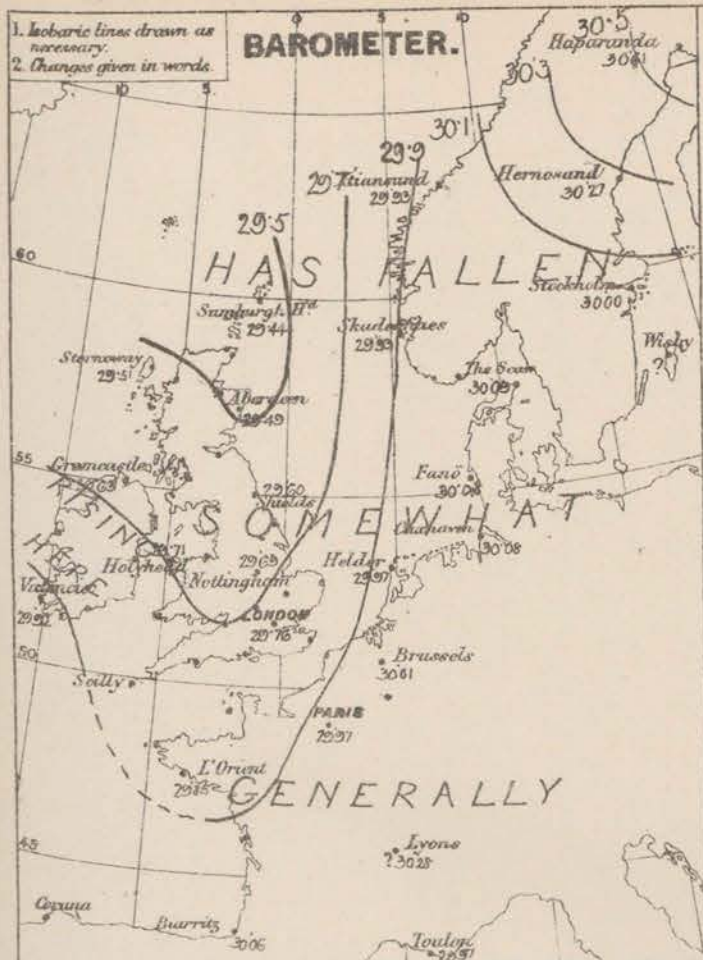
WEATHER.--Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

† The evening observations are taken at 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 Monday 28th JAN^y 1878.



REMARKS. Weather is moderately fine in Ireland and the west of Scotland but in nearly all other places the sky is overcast and over the greater part of England rain is falling. Mist and fog are reported at some of the east coast stations. Rain occurred very generally yesterday. Temperatures have risen but over the south east of England, and slightly over France, but elsewhere it has fallen - several degrees in Ireland; it is very uniform, varying from 33° at Stromway to 50° at Preat. Wind is W to NW in the south west, west and north west, but is S at all our more eastern stations and E over Scandinavia; it is fresh or strong in the south of Norway, the Netherlands and in the Straits of Dover but on most other coasts it is moderate or light. Sea is very high in the neighbourhood of the Netherlands, moderate elsewhere.

Barometrical Indications. Pressure has increased somewhat in Lapland, while it has decreased in all other places, but during the night a slight recovery has commenced at the south western stations. A small depression lies off the north east coast of Scotland, while a small subsidiary disturbance is shown over central England.

Fannings. Our north coasts were barred yesterday morning but the cones have been lowered this morning.

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,
Secretary.

DAILY WEATHER REPORT JAN 29th 1878.

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 ...	30.43	11	SE	4	0	30.43	-18	11	11	+24	SE	4	0	*	?	-13	-		
Hernösand ...	30.23	29	SE	2	0	30.32	+05	25	24	+8	S	2	0	*	*	*	0.16		
Stockholm ...	30.12	26	W	2	0	30.18	+18	29	29	+2	NNW	2	0	*	*	*	-		
Wisby ...	30.04	33	Z	0	0	30.08	+09	33	32	+3	E	2	0	*	*	*	0.04		
Christiansund ...	29.79	29	SE	6	0	29.86	-07	35	31	+8	SSE	6	0	3	36	25	-		
Skudesnaes ...	29.83	33	ESE	8	0	30.02	+09	34	31	+3	SE	8	0	7	?	30	-		
Oxö (Xtiansand) ...	30.02	33	SE	6	0	30.12	+07	32	30	+5	SE	4	0	3	?	?	-		
Skagen (The Scaw) ...	30.12	30	ESE	5	0	30.20	+11	24	22	-4	ESE	2	0	0	30	21	-		
Fanö ...	30.01	38	S	6	0	30.04	-04	27	25	-2	ESE	4	0	*	32	27	-		
Cuxhaven ...	30.04	32	SSE	4	0	29.98	-10	26	25	-6	SE	5	0	*	32	25	-		
Sumburgh Head ...	29.49	39	NNW	3	0	29.73	+29	39	37	-2	W	2	0	3	41	34	0.05		
Stornoway ...	29.55	34	W	3	0	29.92	+41	32	30	-1	NNW	1	0	3	38	32	0.14		
Thurso ...	29.58	34	SSW	1	0	29.83	+37	38	36	+2	NNW	4	0	4	43	32	0.02		
Wick ...	29.63	34	W	1	0	29.87	+40	35	32	-1	W	1	0	1	40	31	-		
Nairn ...	29.41	35	Z	0	0	29.93	+43	33	32	-2	W	1	0	0	38	32	-		
Aberdeen ...	29.65	35	W	1	0	29.93	+44	32	31	-4	W	1	0	2	39	30	-		
Leith ...	29.72	35	W	3	0	30.00	+46	34	33	-4	W	2	0	*	44	32	-		
Shields ...	29.73	37	NNW	3	0	30.00	+40	32	31	-5	W	2	0	2	41	31	-		
Scarborough ...	29.74	37	NNW	2	0	30.00	+39	34	32	-3	NNW	2	0	3	41	33	-		
York ...	29.76	37	NNW	2	0	30.04	+41	30	30	-5	NNW	1	0	*	44	28	0.01		
Nottingham ...	29.82	36	NNW	3	0	30.07	+38	30	30	-10	Z	0	0	*	41	29	0.04		
Ardrossan ...	29.73	41	WSW	3	0	30.03	+45	39	37	-2	NNW	2	0	2	44	37	0.02		
Greencastle ...	29.73	36	NNW	2	0	30.04	+41	36	34	-2	SSW	1	0	*	42	33	0.15		
Donaghadee ...	29.82	36	NNW	2	0	30.08	+40	34	33	-2	W	2	0	1	40	33	-		
Kingstown ...	29.89	39	NNW	5	0	?	?	37	35	-2	W	4	0	4	41	35	-		
Holyhead ...	29.86	41	WSW	4	0	30.10	+39	41	39	-1	WSW	5	0	4	43	39	-		
Liverpool (Bidston) ...	29.84	39	NNW	4	0	30.07	+40	38	37	-3	NNW	2	0	2	42	36	0.08		
Valencia ...	30.06	41	NNW	4	0	30.24	+32	44	42	+3	NNW	2	0	2	46	38	0.09		
Roche's Point... ..	30.01	38	NNW	5	0	30.22	+34	38	36	-2	NNW	2	0	3	42	36	0.05		
Pembroke ...	29.95	42	NNW	3	0	30.17	+38	42	40	-1	NNW	4	0	3	43	40	0.03		
Portishead ...	29.89	38	N	4	0	30.09	+37	38	36	-3	NNW	3	0	3	46	33	0.01		
Scilly ...	29.87	38	N	4	0	30.09	+37	38	36	-3	NNW	3	0	3	46	33	0.01		
Plymouth ...	29.98	39	NNW	2	0	30.18	+41	36	36	-5	NNW	2	0	*	46	35	0.08		
Hurst Castle ...	29.85	40	NNW	4	0	30.09	+36	37	35	-9	NNW	4	0	4	46	33	0.28		
Dover ...	29.76	35	SW	4	0	30.02	+19	35	33	-5	NNW	3	0	2	41	34	0.08		
London ...	29.82	40	NNW	2	0	30.08	+32	31	30	-12	WSW	1	0	*	43	29	0.28		
Oxford ...	*	*	*	*	*	30.09	+39	31	30	-14	Z	0	0	*	45	31	0.33		
Cambridge ...	29.78	37	NNW	1	0	30.04	+32	32	32	-8	NNW	1	0	*	43	31	0.19		
Yarmouth ...	29.74	36	WSW	1	0	29.95	+16	34	34	-2	NNW	3	0	3	38	32	0.47		
The Helder ...	*	*	*	*	*	29.87	-10	31	30	+2	ENE	1	0	*	*	*	0.28		
Cape Gris Nez ...	29.76	34	SSW	4	5	30.01	+17	37	36	+3	NNW	5	0	4	?	32	0.43		
Jersey ...	29.99	43	NNW	6	0	30.18	+17	40	39	-5	NNW	6	0	5	50	38	0.13		
Brest ...	30.08	48	NNW	4	0	30.26	+43	45	45	-5	NNW	4	0	4	48	39	0.18		
L'Orient ...	30.08	45	NNW	5	0	30.26	+41	43	41	-5	NNW	4	0	3	50	37	0.04		
Rochefort ...	30.10	50	NNW	5	0	30.26	+32	43	41	-5	N	3	0	3	50	41	-		
Biarritz ...	30.19	50	NNW	5	0	30.34	+28	46	43	-2	NNE	3	0	4	54	41	0.39		
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
Brussels ...	*	*	*	*	*	29.89	-12	33	?	+3	W	4	5	*	36	30	?		
Charleville ...	*	*	*	*	*	29.92	-08	33	*	+2	WSW	3	05	*	*	*	*		
Paris ...	29.82	41	NNW	5	0	30.10	+13	36	33	+3	W	3	0	*	*	*	0.16		
Lyons ...	*	*	*	*	*	30.23	-05	32	*	+2	N	4	0	*	*	*	*		
Toulon ...	30.03	41	SW	3	0	30.02	+05	37	34	-3	NNW	6	0	6	46	?	-		

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.80	32	30	ESE	8	0	6	Valencia	29.98	45	40	NNW	4	Se	4
Thurso	29.52	41	39	SW	2	0	3	Scilly							
Scarborough ...	29.65	40	39	W	2	0	3	London	29.75	40	39	NN	1	SE	*
Greencastle ...	29.67	39	36	W	2	0	*	Rochefort ...	29.96	48	46	NN	5	T	4
Holyhead	29.80	41	38	WSW	6	0	4								

A small depression has passed eastward over the Southern counties of England during the morning causing heavy rain. Pressure is increasing in most places, but the rain has ceased in the extreme west since noon. - *Warnings:* - Signals have been lowered in the North this afternoon.

EXPLANATION OF COLUMNS.

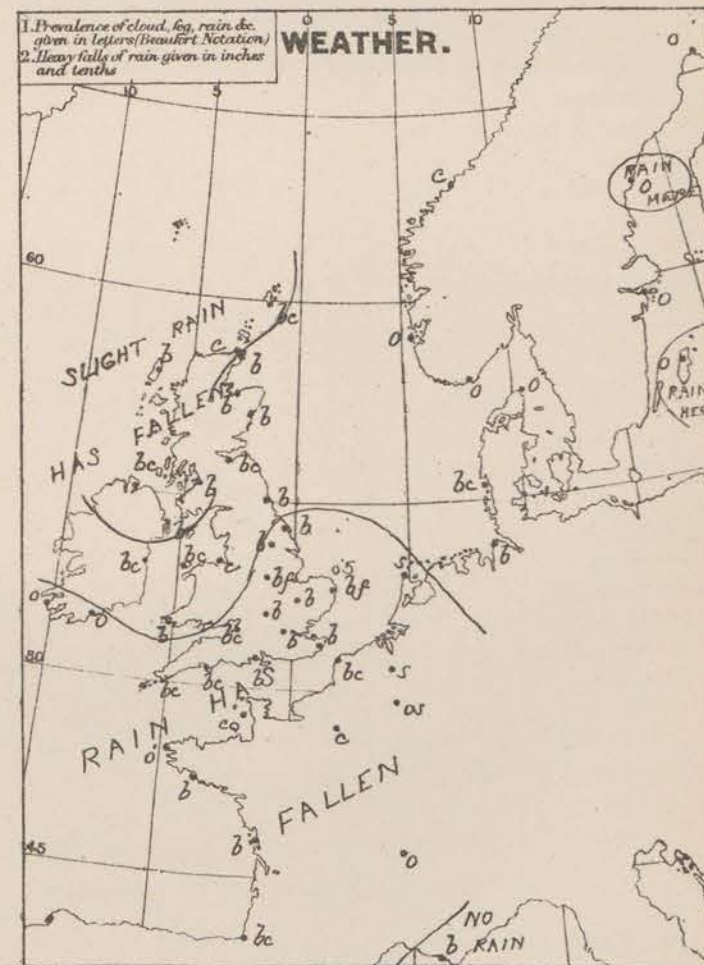
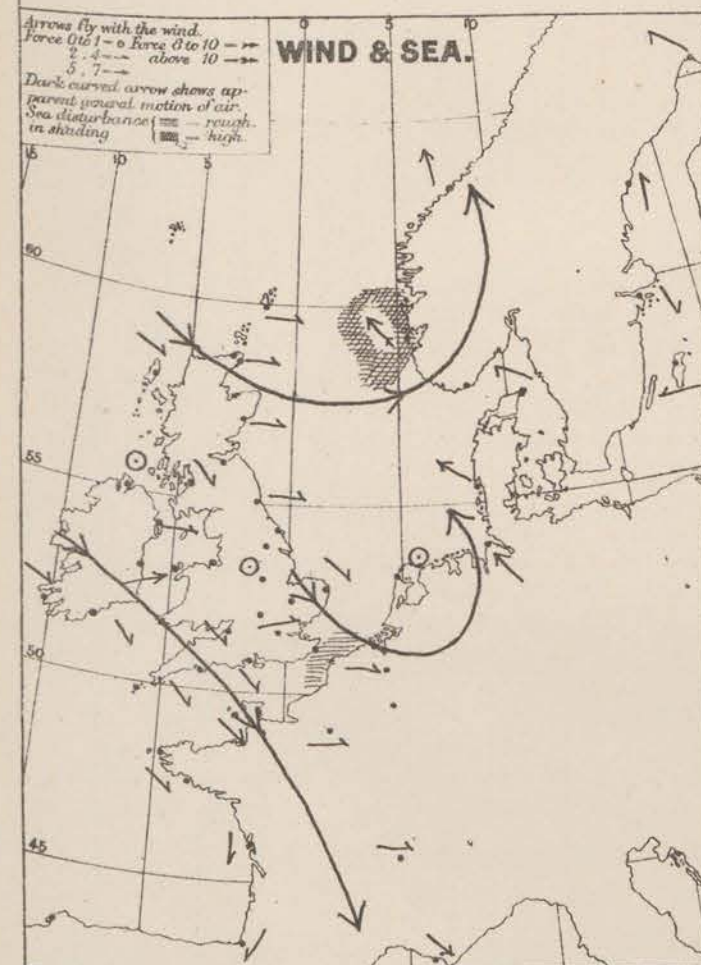
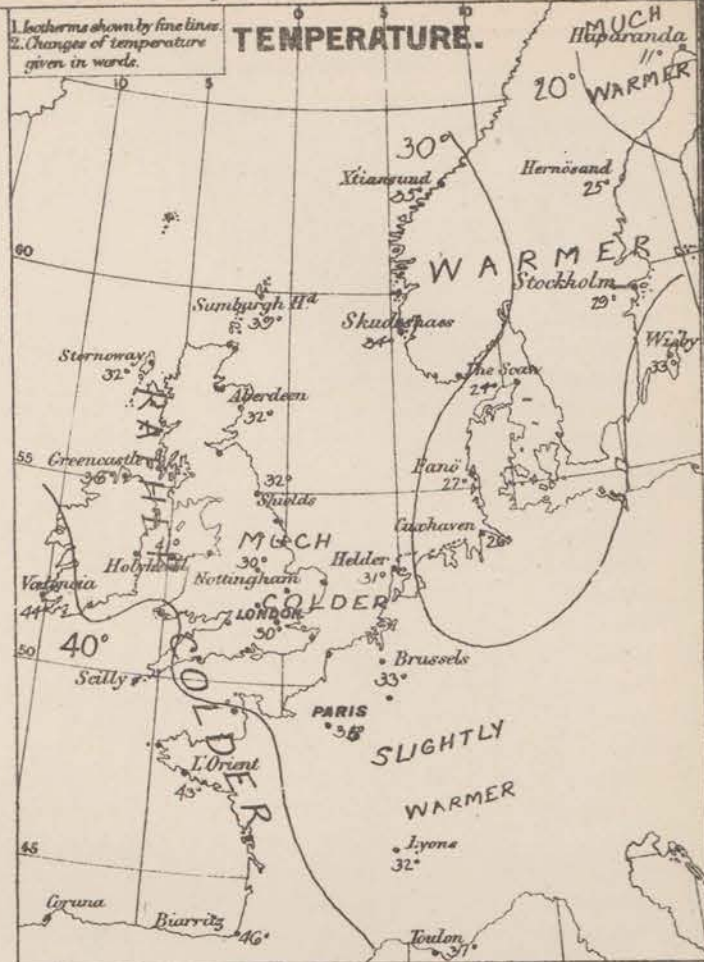
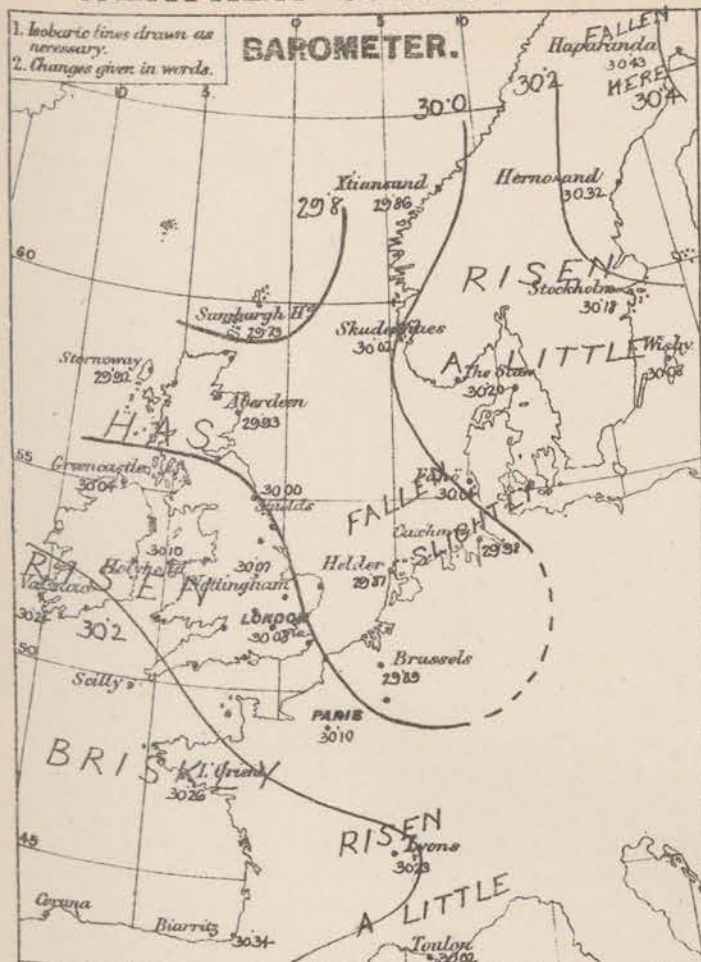
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 29TH JAN^Y 1878.



REMARKS. Weather is overcast in the south of Ireland, as well as at most of the Scandinavian stations, while snow is falling over the Netherlands and north coast of France, but at all the other stations the sky is clear or nearly so; slight fog prevails at a few places. Rain fell except in the north-east yesterday. Temperature has risen several degrees at the Scandinavian stations but fallen over these islands and France; it varies from 32° to 39° in Iceland, from 34° to 44° in Ireland, and from 30° to 43° over England; at Lyons the thermometer stands as low as 32°; and in Denmark it is 5° or 6° below the freezing point. Wind is SE on the eastern shores of the North Sea but is W to NW on all our own and the French coasts; it is fresh to light in force. Sea is moderate to slight except at Sandness.

Barometrical Indications. A depression has occurred in pressure over North Germany and the Netherlands, the small depressions which passed across southern England yesterday having reached the coasts of Holland. In all other parts of our area the barometer has risen; it is now comparatively high over the south-west of France and in the Gulf of Bothnia, low over the North Sea.

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

R. H. SCOTT,
Secretary.

DAILY WEATHER REPORT

JAN 30th

1878.

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 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirco.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	30.38	19	S	2	S	30.38	-.05	17	17	+ 6	S	2	0	*	19	10	0.24	
Hernösand ...	30.29	32	SSE	2	S	30.26	-.06	32	32	+ 7	S	2	0	*	*	*	0.55	
Stockholm ...	30.16	33	SE	2	f	30.24	+ .06	29	28	0	SSE	2	0	*	*	*	0.04	
Wisby ...	30.12	32	SSW	4	0	30.15	+ .07	30	30	- 3	SE	4	0	*	*	*	0.04	
Christiansund ...																		
Skudesnaes ...	30.16	30	SE	6	S	30.24	+ .22	32	31	- 2	SE	4	0	4	34	30	-	
Oxö (Klansand) ...	30.22	27	NNE	4	0	30.24	+ .12	24	22	- 8	N	2	6c	2	32	21	-	
Skagen (The Sæw)																		
Fanö ...														*				
Cuxhaven ...	30.04	33	E	4	0	30.15	+ .17	33	32	+ 7	ENE	2	0	*	?	25	-	
Sunbough Head ...	30.01	38	NW	0	2	30.28	+ .55	30	30	- 6	NNE	1	0	2	39	30	0.09	
Stornoway ...	30.06	35	WSW	1	6c	30.25	+ .33	32	30	0	NW	1	6c	1	35	29	0.02	
Thurso ...	?	33	SW	1	0	30.24	+ .48	29	28	- 9	SSW	1	6c	3	40	28	0.07	
Wick ...	30.09	34	NW	1	0	30.27	+ .40	30	29	- 5	NW	1	0	0	39	23	-	
Nairn ...	30.10	33	W	1	0	30.26	+ .33	32	31	- 1	Z	0	0	1	39	32	-	
Aberdeen ...	30.11	35	W	1	0	30.26	+ .33	31	29	- 1	WSW	1	0	1	40	28	-	
Leith ...	30.15	37	W	3	0	30.29	+ .29	28	28	- 6	W	1	6c	*	43	26	-	
Shields ...	30.16	38	WNW	3	0	30.31	+ .31	29	28	- 3	WNW	1	0	2	41	28	-	
Scarborough ...	30.14	40	NNW	2	0	30.27	+ .27	35	34	+ 1	NNW	1	0	3	40	34	-	
York ...	30.16	35	N	1	0	30.31	+ .27	27	27	- 3	N	1	0	*	42	26	-	
Nottingham ...	30.19	33	Z	0	0	30.30	+ .23	27	26	- 3	Z	0	0	*	40	26	-	
Ardrossan ...	30.14	42	SW	2	0	30.28	+ .25	32	31	- 7	NE	1	6c	0	46	32	-	
Greencastle ...	30.09	40	S	1	0	30.21	+ .17	37	35	+ 1	NW	1	6c	*	41	33	-	
Donaghadee ...	30.17	37	W	2	0	30.27	+ .19	39	38	+ 5	ESE	3	0	2	41	33	-	
Kingstown ...	30.20	40	S	1	6c	30.20	?	41	40	+ 4	SSE	1	0	1	42	36	0.01	
Holyhead ...	30.19	40	WSW	1	0	30.26	+ .16	34	33	- 7	S	1	0	0	44	34	-	
Liverpool (Bidston) ...	30.20	38	WNW	1	0	30.31	+ .24	28	28	- 10	SE	1	0	1	42	28	0.02	
Valencia ...	30.13	47	S	4	Tg	30.12	- .12	44	43	0	E	1	0	2	49	42	0.08	
Roche's Point... ..	30.18	45	SW	4	0	30.15	- .07	45	44	+ 7	SSE	5	0	5	48	38	0.45	
Pembroke ...	30.24	42	Z	0	0	30.26	+ .09	37	37	- 5	E	2	6c	2	43	36	-	
Portishead ...	30.31	?	NW	3	0	30.25	+ .16	30	30	- 8	Z	0	0	2	46	?	-	
Seilly ...																		
Plymouth ...	30.24	39	NNW	1	0	30.24	+ .06	32	31	- 4	Z	0	0	*	48	30	-	
Hurst Castle ...	30.17	39	NW	3	0	30.21	+ .12	32	31	- 5	N	2	6c	*	44	29	-	
Dover ...	30.12	37	NNW	3	0	30.20	+ .18	35	33	0	NNE	4	0	3	40	33	-	
London ...	30.18	39	NW	1	6c	30.25	+ .17	32	31	+ 1	Z	0	0	*	41	27	-	
Oxford ...	*	*	*	*	*	30.26	+ .17	28	27	- 3	Z	0	6c	*	41	27	-	
Cambridge ...	30.16	32	NW	1	0	30.26	+ .22	31	31	- 2	N	1	0	*	43	28	-	
Yarmouth ...	30.07	38	NNW		6c	30.21	+ .26	37	34	+ 3	NE	3	0	3	40	33	0.02	
The Helder ...	*	*	*	*	*	30.17	+ .30	33	32	+ 2	NNE	1	0	*	*	*	0.08	
Cape Gris Nez ...	30.09	39	NNW	5	0	30.17	+ .16	36	32	- 1	NNE	3	0	3	41	36	-	
Jersey ...	30.25	42	NNE	4	6c	30.24	+ .06	37	35	- 3	NE	2	6c	1	46	35	-	
Brest ...	30.30	46	NNW	3	0	30.19	- .07	41	39	- 4	E	2	0	3	46	39	0.04	
L'Orient ...	30.30	43	N	3	6c	30.21	- .05	36	36	- 7	ENE	3	0	3	46	34	-	
Rocheport ...	30.24	48	N	4	6c	30.19	- .07	36	34	- 7	ENE	2	0	3	54	37	-	
Biarritz ...	30.31	50	WNW	5	0	30.17	- .17	41	37	- 5	SE	1	0	4	50	37	0.39	
Corunna ...	*	*	*	*	*									*	*	*	*	
Brussels ...	*	*	*	*	*	30.15	+ .26	26	25	- 7	N	1	0	*	35	24	0.39	
Charleville ...	*	*	*	*	*	30.11	+ .19	26	25	- 7	NNW	3	0	*	*	*	*	
Paris ...	30.14	38	W	3	0	30.14	+ .04	35	33	0	N	1	0	*	*	*	*	
Lyons ...	*	*	*	*	*	30.09	+ .14	37	*	+ 5	N	2	05	*	*	*	*	
Toulon ...	29.96	37	NW	7	0	29.89	- .13	34	30	- 3	NNW	2	0	5	45	37	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	30.12	32	29	SE	8	S	6	Valencia ...	30.19	48	46	SSW	2	cp	3
Thurso	29.99	37	36	NNW	4	C	4	Seilly							
Scarborough ...	30.09	40	38	NNW	2	C	3	London	30.12	41	38	NW	2	bc	*
Greencastle ...	30.08	40	38	SSW	1	bc	*	Rocheport ...	30.23	46	43	NW	4	bc	3
Holyhead	30.18	43	41	WSW	3	bc	2								

Pressure has begun to decrease slightly at Valencia, with a SW^{ly} wind and showery weather. On our other coast the barometer still rises.

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.

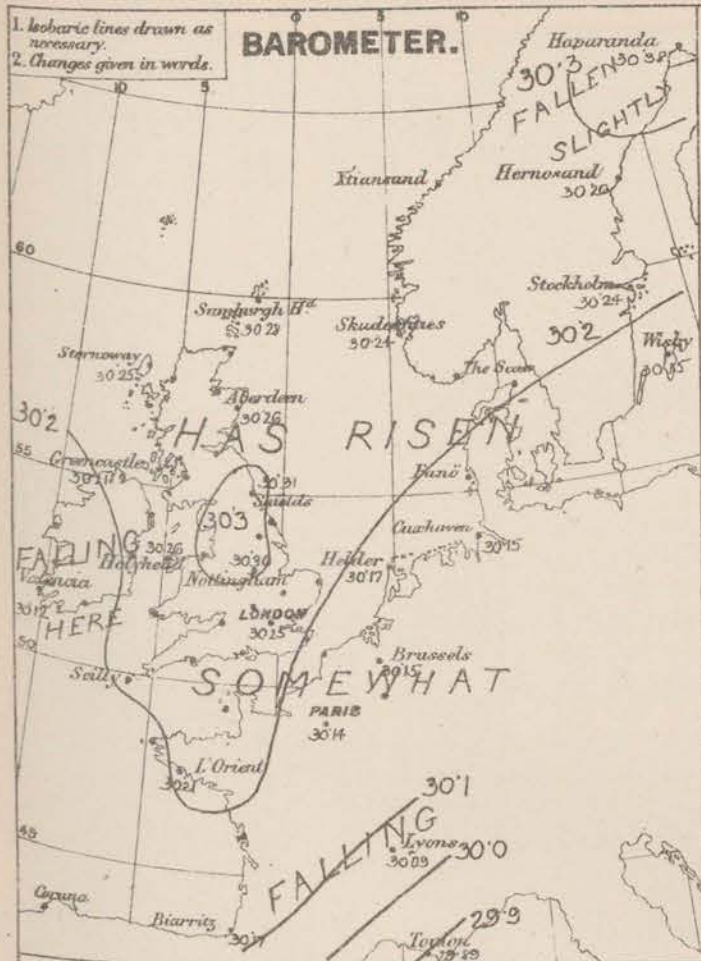
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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 30th JAN^y 1878.

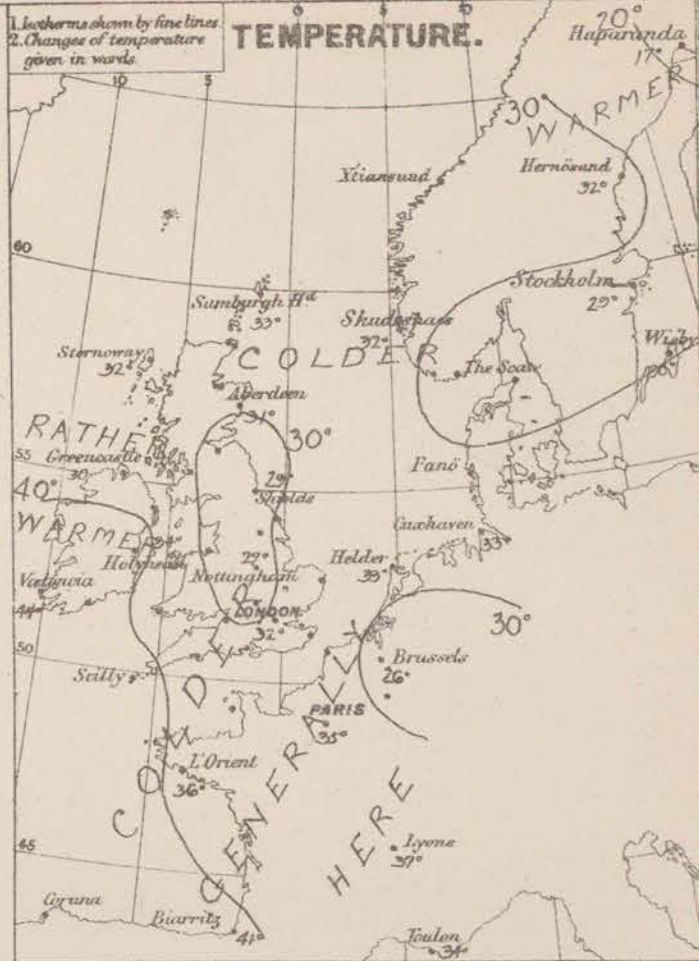
1. Isobaric lines drawn as necessary.
2. Changes given in words.

BAROMETER.



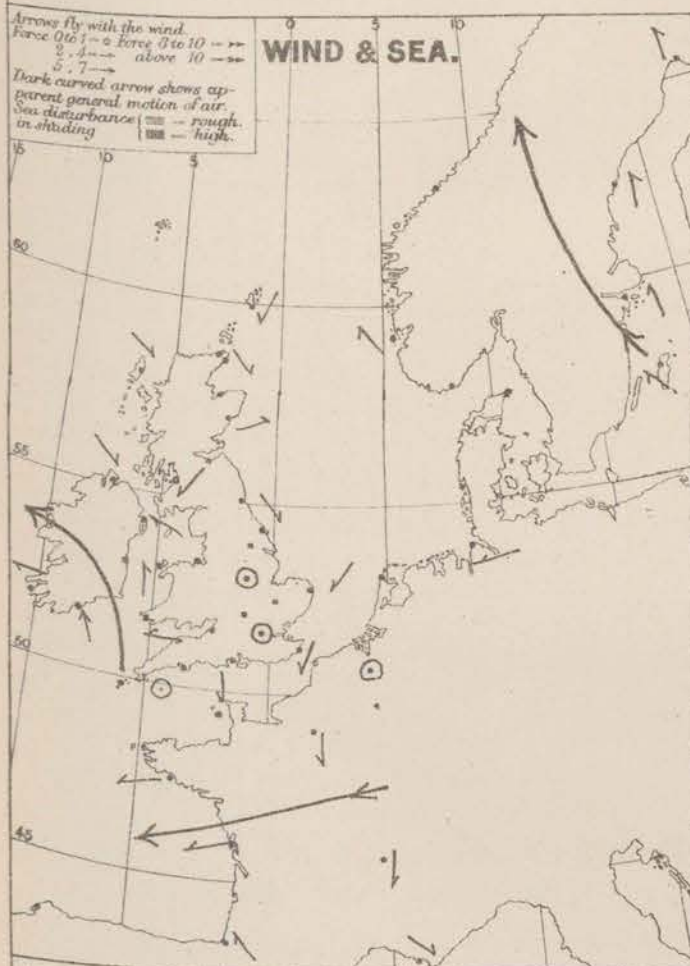
1. Isotherms shown by fine lines.
2. Changes of temperature given in words.

TEMPERATURE.



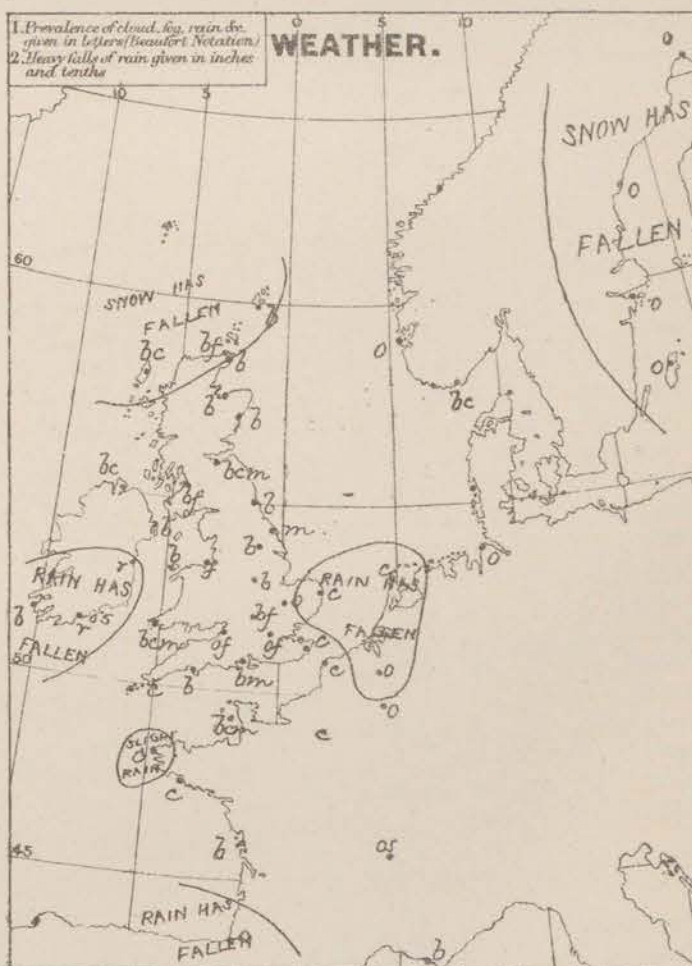
1. Arrows fly with the wind. Force 0 to 10 ———— 10 ———— above 10 ————
2. Dark curved arrow shows apparent general motion of air.
3. Sea disturbance: ———— rough, ———— high.

WIND & SEA.



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

WEATHER.



REMARKS. Weather is recent at many of the French stations as well as over Scandinavia; rain is falling in the east of Ireland, snow at Lyons, elsewhere the sky is clear or nearly so, though some fog prevails over Central England. Weather was generally dry yesterday. Temperature has risen slightly over Ireland and the north of Sweden, fallen in most other places; it varies from 29° to 32° over Scotland, from 37° to 45° over Ireland, and from 27° to 42° over England; over France also the thermometer is rather low. Wind is E^{ly} over the Bay of Biscay, and E^{ly} to SE^{ly} at some of our western stations but elsewhere very light and variable airs are reported. Sea is slight to smooth.

Barometrical Indications. Pressure has given way over France and the south of Ireland, but has continued to increase elsewhere. Readings are exceedingly uniform over these Islands and the North Sea.

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.
Secretary.

DAILY WEATHER REPORT JAN 30TH 1878.

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 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirco.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	30.31	26	S	4	o	30.25	- .13	19	19	+ 2	S	2	o	*	27	18	0.08	
Hernösand ...	30.35	27	SSW	2	s	30.32	+ .06	15	15	- 17	Z	o	o	*	*	*	0.24	
Stockholm ...	30.25	29	E	2	s	30.38	+ .14	33	30	+ 4	Z	o	f	*	*	*	0.12	
Wisby ...	30.23	30	SE	4	o	30.29	+ .14	28	27	- 2	SSE	4	o	*	*	*	0.04	
Christiansund ...	30.34	34	W	4	o	30.22		35	32		WSW	4	c	3	36	28	-	
Skudesnaes ...	30.33	33	NNE	2	o	30.48	+ .24	25	24	- 7	NE	1	o	1	32	?	-	
Oxö (Xtiansand) ...	30.31	26	N	2	o	30.44	+ .20	25	25	+ 1	N	4	o	2	27	19	-	
Skagen (The Scaw) ...	30.25	31	NNE	3	o	30.40	+ .19	30	29	+ 2	NNE	3	o	2	?	25	-	
Fanö ...	30.26	29	NNW	4	o	30.37	+ .19	31	28	+ 3	NE	2	o	*	?	27	-	
Cuxhaven ...	30.21	33	NE	3	o	30.29	+ .14	34	34	+ 1	NE	3	f	*	?	30	-	
Sumburgh Head ...	30.40	35	Z	o	o	30.42	+ .14	39	37	+ 6	W	2	bc	2	39	30	-	
Stornoway ...	30.36	32	W	1	o	30.46	+ .21	34	33	+ 2	W	1	c	1	39	28	0.02	
Thurso ...	30.37	33	Z	o	o	30.47	+ .23	27	27	- 2	S	1	bm	2	41	26	-	
Wick ...	30.42	30	W	1	o	30.48	+ .21	31	30	+ 1	Z	o	bm	1	41	24	-	
Nairn ...	30.40	36	W	1	c	30.48	+ .22	28	26	- 4	Z	o	c	1	36	27	-	
Aberdeen ...	30.38	35	NNW	1	o	30.57	+ .25	27	27	- 4	WSW	1	o	1	38	26	-	
Leith ...	30.40	36	W	2	c	30.54	+ .25	29	29	+ 1	Z	o	cm	*	38	27	-	
Shields ...	30.39	38	Z	o	cm	30.54	+ .23	33	32	+ 4	N	2	c	3	40	28	-	
Scarborough ...	30.37	32	N	2	o	30.59	+ .32	39	35	+ 4	NE	2	o	2	41	?	0.02	
York ...	30.39	32	NNW	1	o	30.54	+ .23	31	31	+ 4	N	1	o	*	40	26	-	
Nottingham ...	30.40	35	NNW	1	o	30.52	+ .22	33	32	+ 6	NNW	3	ms	*	40	27	-	
Ardrossan ...	30.40	36	NE	1	c f	30.54	+ .26	33	32	+ 1	ESE	1	cf	0	42	32	-	
Greencastle ...	30.34	40	E	1	bc	30.53	+ .22	32	31	- 5	NNW	1	o	*	47	30	-	
Donaghadee ...	30.45	41	S	2	o	30.56	+ .29	33	33	- 6	W	3	bc	2	43	30	-	
Kingstown ...	30.39	41	SSE	1	o	30.55	+ .28	34	33	- 7	NNW	1	cf	1	43	34	0.01	
Holyhead ...	30.38	38	Z	o	o	30.52	+ .26	38	37	+ 4	E	2	o	2	42	34	-	
Liverpool (Bidston) ...	30.42	36	NE	1	o	30.54	+ .23	39	31	+ 5	NE	1	m	1	39	28	-	
Valencia ...	30.31	48	WSW	1	cm	30.50	+ .38	42	41	- 2	E	1	c	2	56	41	0.02	
Roche's Point ...	30.34	46	SSE	4	f	30.53	+ .38	43	40	- 2	ESE	3	bc	3	48	41	0.14	
Pembroke ...	30.38	40	ESE	1	o	30.52	+ .26	35	34	- 2	NE	1	bc	1	43	43	-	
Portishead ...	30.37	34	NW	3	bc	30.58	+ .25	30	30	o	N	2	bc	3	43	27	-	
Scilly ...																		
Plymouth ...	30.36	38	NE	1	o	30.49	+ .25	34	32	+ 2	NNE	3	o	*	44	31	-	
Hurst Castle ...	30.33	36	NNW	4	o	30.45	+ .24	30	29	- 2	N	1	bm	2	39	28	-	
Dover ...	30.28	36	NE	4	c	30.39	+ .19	36	34	+ 1	NNE	4	cg h p	2	39	34	0.16	
London ...	30.35	38	NE	2	bm	30.45	+ .20	33	32	+ 1	NE	1	cg	*	40	32	-	
Oxford ...	*	*	*	*	*	30.50	+ .24	29	29	+ 1	N	1	m	*	40	26	-	
Cambridge ...	30.37	32	N	1	?	30.47	+ .21	31	31	o	N	1	s	*	42	29	-	
Yarmouth ...	30.36	37	NNE	4	c	30.41	+ .20	37	35	o	NNE	3	cf	3	38	32	0.02	
The Helder ...	*	*	*	*	*	30.34	+ .17	36	36	+ 3	NNE	1	c	*	*	*	-	
Cape Gris Nez ...	30.25	36	ENE	4	o	30.35	+ .18	36	36	o	NE	4	o	3	41	32	0.08	
Jersey ...	30.32	40	NE	4	c	30.43	+ .19	38	34	+ 1	NE	4	bm	4	43	37	-	
Brest ...	30.30	48	ENE	2	o	30.41	+ .22	37	34	- 4	ENE	2	o	2	?	34	-	
L'Orient ...	30.27	41	NE	3	o	30.38	+ .17	36	34	o	NE	3	c	3	45	32	-	
Rocheport ...	30.16	48	NE	3	bc	30.26	+ .07	34	32	- 2	NE	4	o	3	?	30	-	
Biarritz ...	30.13	46	ENE	3	bc	30.21	+ .04	34	32	- 7	NE	2	s	3	46	30	-	
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	30.35	+ .20	30	30	+ 4	N	2	o	*	31	?	0.04	
Charleville ...	*	*	*	*	*	30.21	+ .10	31	*	+ 5	NNE	3	o	*	*	*	*	
Paris ...	30.20	31	NE	4	o	30.32	+ .18	30	30	- 4	NE	3	o	*	*	*	-	
Lyons ...	*	*	*	*	*	30.17	+ .08	37	*	o	N	2	m	*	*	*	*	
Toulon ...	29.93	37	NNE	3	o	29.97	+ .04	36	32	+ 2	Z	o	o	4	45	?	-	
YESTERDAY'S 2 P.M. REPORTS AND REMARKS.																		
	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.					
Skudesnaes ...	30.29	30	28	NW	2	c	2	Valencia ...	30.23	37	49	Z	o	bcv	1			
Thurso ...	30.34	39	37	Z	o	bf	3	Scilly ...										
Scarborough ...	30.33	41	39	N	2	c	3	London ...	30.30	40	36	NE	3	bc	*			
Greencastle ...	30.31	46	43	SE	1	o	*	Rocheport ...	30.16	45	43	ENE	2	o	3			
Holyhead ...	30.34	41	39	Z	o	o	0											

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	30.29	30	28	NN	2	c	2	Valencia	30.23	37	49	Z	o	bc	1
Thurso	30.34	39	37	Z	0	df	3	Scilly							
Scarborough ...	30.33	41	39	N	2	c	3	London	30.30	40	36	NE	3	bc	*
Greencastle ...	30.31	46	43	SE	1	o	*	Rocheport ...	30.16	45	43	ENE	2	o	3
Holyhead	30.34	41	39	Z	0	o	0								

Pressure has increased everywhere since the morning, but appears inclined to give way at Valencia where great visibility is reported. —

EXPLANATION OF COLUMNS.

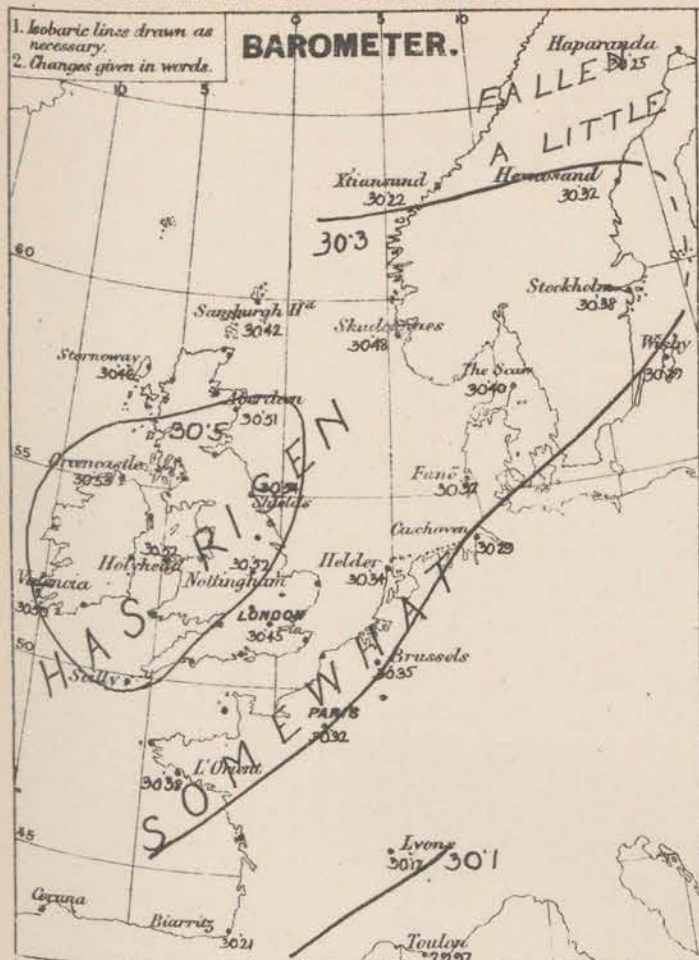
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 31st JANY 1878.



CORRECTIONS AND ADDITIONS TO THE REPORTS FOR JAN^y 1878

1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PART 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.		
1 st	Scilly	30.38	46	N	3	bc	30.20	-0.5	54	48	+1	S	6	0	6	50	45	0.01	
	Corunna	*	*	*	*	*	30.28	-2.4	49	*	+11	S	3	0	1	*	*	*	
2 nd	Scilly 2pm.	30.14	52	S	7	0	30.14	-	52	51	-	S	7	0	6	51	50	0.03	
	Corunna	*	*	*	*	*	30.27	-0.1	53	*	+4	S	3	0	1	*	*	*	
	Paris	30.34	37	N	1	0	30.45	+0.4	31	2	-3	S	1	0	*	*	*		
3 rd	Scilly 2pm.	30.38	50	S	4	0	30.38	-	51	50	-	S	4	0	4	52	49	0.01	
	Corunna	*	*	*	*	*	30.29	-0.6	51	51	0	SSE	4	0	4	52	49	0.01	
	Scilly 2pm	30.14	52	SSE	6	bc	30.31	+0.4	48	*	-5	SSE	3	0	1	*	*	*	
	Corunna	*	*	*	*	*	30.17	-2.7	52	52	-	SSE	6	0	5	52	50	0.16	
4 th	Scilly	30.14	52	SSE	6	bc	30.02	-1.9	53	51	+1	SSE	5	0	5	52	50	0.16	
	Corunna	*	*	*	*	*	30.12	-1.9	53	51	+5	SSE	3	0	1	*	*	*	
5 th	Scilly 2pm.	30.11	50	N	5	0	30.07	-1.5	50	51	-	N	5	0	4	52	49	0.01	
	Corunna	*	*	*	*	*	30.17	+1.5	50	50	-2	NSE	1	0	4	52	49	0.01	
	Scilly 2pm.	30.10	51	NNE	4	bc	30.13	-	51	51	-	SSE	4	0	4	52	49	0.01	
	Corunna	*	*	*	*	*	30.22	+1.0	53	*	0	S	1	0	1	*	*	*	
6 th	Scilly 2pm.	30.10	51	NNE	4	bc	30.18	+0.1	49	46	-1	NNE	5	0	5	52	48	0.26	
	Corunna	30.11	48	NNE	5	0	29.83	-3.5	44	43	-5	NNE	7	0	6	49	44	0.05	
	Scilly 2pm.	29.71	47	NNE	10	0	29.74	-	47	43	-4	NNE	8	0	6	47	41	0.14	
	Corunna	*	*	*	*	*	30.04	-	50	*	0	NE	9	0	7	47	41	0.14	
7 th	Scilly 2pm.	30.11	46	NNE	7	0	30.03	-	46	43	-	NNE	8	0	8	46	44	0.01	
	Corunna	*	*	*	*	*	30.25	+3.7	44	43	-1	NE	6	0	6	46	44	0.01	
8 th	Scilly 2pm.	30.32	43	ESE	6	0	30.29	-0.3	44	40	-6	NE	3	0	5	44	41	0.01	
	Corunna	*	*	*	*	*	30.38	+1.3	43	41	-1	ESE	3	0	4	44	41	0.01	
9 th	Scilly 2pm.	30.42	45	NE	4	0	30.22	+0.2	44	41	-3	NE	6	0	3	44	41	0.01	
	Corunna	30.25	37	NE	3	0	30.41	-	45	41	-4	NE	3	0	1	45	41	0.08	
10 th	Scilly	30.32	43	ESE	6	0	30.54	+1.6	43	41	0	E	2	0	1	45	41	0.08	
	Corunna	29.93	36	N	6	bc	30.53	+2.6	27	2	-1	NNE	1	0	*	*	*		
11 th	Scilly 2pm.	30.60	43	E	5	bc	29.97	+1.2	34	32	0	NNE	5	0	4	41	34	0.01	
	Corunna	*	*	*	*	*	30.58	-	45	42	-3	E	4	0	2	41	34	0.01	
12 th	Scilly 2pm.	30.60	43	E	5	bc	30.66	+1.2	43	41	0	S	2	0	3	45	41	0.01	
	Corunna	*	*	*	*	*	30.48	-	41	*	0	NE	6	0	4	45	41	0.01	
13 th	Scilly 2pm.	30.66	44	SW	4	0	30.66	-	46	43	-	SSE	3	0	4	47	42	0.01	
	Corunna	30.67	49	WSW	6	0	30.66	-0.0	47	42	+4	WSW	6	0	5	47	42	0.01	
14 th	Scilly	30.34	32	Z	0	bc	30.59	-0.7	51	51	+4	WSW	6	0	6	51	49	0.01	
	Corunna	*	*	*	*	*	30.63	-0.1	39	*	+3	SW	1	0	5	39	34	0.01	
15 th	Scilly 2pm.	30.54	52	N	6	0	20.43	+1.5	37	34	0	N	1	0	4	37	34	0.01	
	Corunna	*	*	*	*	*	30.56	-0.5	52	51	-1	WSW	6	0	6	52	50	0.01	
16 th	Scilly 2pm.	30.53	51	NNE	5	0	30.54	-0.6	39	34	-5	WSW	6	0	5	39	34	0.01	
	Corunna	*	*	*	*	*	30.57	-0.6	39	*	0	SE	1	0	5	39	34	0.01	
17 th	Scilly 2pm.	30.53	51	NNE	5	0	30.53	-	52	50	-2	NNE	5	0	5	52	50	0.01	
	Corunna	*	*	*	*	*	20.51	-0.3	50	49	-1	WSW	6	0	5	50	49	0.01	
18 th	Scilly 2pm.	30.48	51	N	6	0	30.71	+1.4	30	28	-2	ESE	1	0	5	30	28	0.01	
	Corunna	*	*	*	*	*	30.49	-	51	50	-1	WSW	6	0	5	51	50	0.01	
19 th	Scilly	30.48	51	N	6	0	30.62	+0.1	50	50	0	NNE	4	0	4	51	50	0.01	
	Corunna	*	*	*	*	*	30.44	-2.7	41	*	+11	NE	3	0	1	41	38	0.01	
20 th	Scilly 2pm.	30.13	37	N	4	bc	30.52	-	51	51	0	N	4	0	4	51	50	0.01	
	Corunna	30.52	50	NNE	4	bc	30.44	-2.7	41	38	-3	NE	3	0	1	41	38	0.01	
21 st	Scilly	30.52	50	NNE	4	bc	30.54	+0.2	48	46	-2	NNE	1	0	2	48	46	0.01	
	Corunna	*	*	*	*	*	30.66	-3.8	2	*	0	N	3	0	1	2	2	0.01	
22 nd	Scilly 2pm.	30.51	47	N	0	0	30.53	-	48	48	0	WSW	3	0	2	48	46	0.01	
	Corunna	30.51	47	N	0	0	30.44	-1.0	48	46	0	SSE	5	0	2	50	46	0.01	
23 rd	Scilly 2pm.	30.37	51	S	5	0	30.39	-0.1	52	50	-2	S	5	0	3	52	50	0.01	
	Corunna	30.31	52	SW	6	0	30.33	-1.1	51	51	+3	SW	6	0	5	52	50	0.01	
24 th	Scilly	30.31	52	SW	6	0	30.24	-0.9	53	53	+2	WSW	6	0	6	53	51	0.01	
	Corunna	*	*	*	*	*	30.57	+0.5	43	*	-3	SE	1	0	1	43	38	0.01	
25 th	Scilly 2pm.	30.19	53	SW	7	4	30.22	-	54	54	-	WSW	7	0	6	54	53	0.01	
	Corunna	30.19	53	SW	7	4	30.11	-1.3	53	53	0	SW	7	0	6	54	53	0.01	
26 th	Scilly	30.19	53	SW	7	4	30.59	+0.2	43	38	-5	N	3	0	5	43	38	0.01	
	Corunna	29.97	43	N	5	bc	30.09	-0.1	51	51	0	N	6	0	6	51	42	0.01	
27 th	Scilly 2pm.	30.00	43	NNE	10	0	29.97	-0.1	41	39	-2	NNE	3	0	6	41	39	0.01	
	Corunna	29.97	43	N	5	bc	30.52	+0.6	50	48	-2	WSW	6	0	5	50	48	0.01	
28 th	Scilly	30.08	52	N	6	7	29.97	-0.1	41	39	-2	NNE	3	0	6	41	39	0.01	
	Corunna	29.88	51	NNE	10	0	30.08	-1.1	41	39	-2	NNE	3	0	6	41	39	0.01	
29 th	Scilly 2pm.	29.58	51	NNE	10	0	29.60	-0.4	46	42	-4	SW	10	0	7	46	44	0.01	
	Corunna	29.96	41	N	9	0	29.84	-0.1	46	42	-4	SW	10	0	7	46	44	0.01	
30 th	Scilly 2pm.	29.24	35	SW	1	0	29.64	+0.2	42	39	-3	NNE	5	0	6	42	39	0.01	
	Corunna	29.96	41	N	9	0	29.14	+0.8	45	42	-3	NNE	5	0	6	45	42	0.01	
31 st	Scilly	29.96	41	N	9	0	30.10	+0.3	41	39	-2	NNE	5	0	6	41	39	0.01	
	Corunna	29.84	43	NNE	7	bc	30.03	+0.3	45	41	-4	NNE	5	0	6	45	41	0.01	
32 nd	Scilly	29.97	52	NNE	7	bc	30.13	+0.2	46	41	-5	NNE	6	0	7	46	41	0.01	
	Corunna	29.84	43	NNE	7	bc	29.84	+0.4	34	33	-1	NNE	1	0	8	34	33	0.01	
33 rd	Scilly	29.48	43	NNE	7	bc	29.48	-0.2	28	27	-1	NNE	9	0	8	28	27	0.01	

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

[illegible]