

1164

METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1ST JULY — 31ST DECEMBER,
1878.



MAP SHOWING ALL THE STATIONS REPORTING BY TELEGRAPH
DAILY TO THE METEOROLOGICAL OFFICE, JAN. 1, 1878.

Davies & Co. Lith. London.

DAILY WEATHER REPORT

NOV 1ST

1878.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PART 24 HOURS.		
	Barometer at 320 F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12).		Reading at 320 F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	29.89	36	NE	4	o	29.91	-.05	31	31	-	9	NE	4	o	*	41	28	0.12
Hiernösand ...	29.80	40	NNN	6	o	29.68	-.20	36	35	-	3	N	8	r	*	*	*	-
Stockholm ...	29.59	42	N	6	o	29.42	-.23	36	36	-	5	NN	6	r	*	*	*	0.20
Wisby ...	29.56	45	NE	?	r	29.47	-.07	41	40	-	3	NNN	9	r	*	*	*	0.79
Christiansund ...	29.58	40	SE	1	bc	29.93	+.15	39	37	-	2	S	1	c	4	43	32	-
Skudesnaes ...	29.83	42	ENE	1	c	29.88	+.05	40	39	+	1	N	2	r	2	45	37	-
Oxö (Xtiansand) ...	29.82	42	NNE	6	bc	29.88	+.06	37	35	-	4	N	2	bc	1	46	36	-
Skagen (The Seaw) ...	29.80	45	NE	3	bc	29.82	+.02	42	38	-	1	NE	4	bc	4	48	34	-
Fanö ...	29.80	41	SE	2	c	29.85	+.05	37	36	-	1	E	2	bc	*	43	36	-
Cuxhaven ...	29.80	41	N	1	bc	29.86	+.06	41	41	+	8	SN	2	bc	*	41	32	0.04
Sumburgh Head ...	29.97	42	NNE	4	c	30.07	+.10	40	39	+	2	N	4	bc	3	45	36	0.41
Stornoway ...	30.09	39	N	6	c	30.21	+.12	36	35	+	1	N	3	bc	4	41	34	0.03
Thurso ...	30.04	43	NNE	6	c	30.16	+.12	42	41	o	0	NNE	4	c	4	45	40	0.44
Wick ...	30.02	45	NNN	4	o	30.13	+.11	39	37	o	0	NNN	2	bc	o	46	37	0.27
Nairn ...	30.03	38	NNN	5	r	30.17	+.15	39	37	+	1	NNN	3	bc	3	43	37	0.34
Aberdeen ...	29.91	39	NN	3	bc	30.07	+.17	41	38	+	2	NNN	3	bc	3	44	39	0.18
Leith ...	29.96	41	NNN	3	bc	30.11	+.16	42	40	+	3	N	3	bc	*	46	34	-
Shields ...	29.92	41	N	4	bc	30.01	+.05	42	41	-	1	N	5	r	5	46	35	0.15
Scarborough ...	29.89	46	N	4	bc	29.95	+.06	46	44	o	0	N	4	bc	4	47	41	0.11
York ...	29.91	41	NN	2	bc	29.98	+.07	39	37	-	2	N	4	bc	*	45	32	0.05
Nottingham ...	29.94	42	NNN	2	o	30.00	+.06	38	36	o	0	N	2	bc	*	44	34	0.02
Ardrossan ...	30.00	40	N	1	bc	30.11	+.13	37	35	+	1	N	1	bc	o	46	32	-
Greencastle ...	30.04	41	NNE	3	c	30.15	+.09	45	41	+	3	NNE	3	o	*	45	39	0.23
Donaghadee ...	30.02	43	N	4	bc	30.12	+.10	45	42	+	3	NNE	5	bc	4	45	40	-
Kingstown ...	30.05	43	NN	5	c	30.12	+.08	36	35	-	5	N	4	bc	3	45	35	-
Holyhead ...	29.98	44	N	4	bc	30.05	+.08	45	41	o	0	NNE	4	bc	3	47	40	0.04
Liverpool (Bidston) ...	29.98	41	Z	o	o	30.05	+.12	38	35	-	5	NNE	1	bc	1	45	36	0.03
Valencia ...	30.15	44	NNN	3	c/p	30.20	+.04	45	41	+	4	NNE	3	bc/p	4	5	34	0.02
Roche's Point... ..	30.11	45	N	5	bc	30.14	+.04	40	36	-	1	N	5	bc	4	47	37	-
Pembroke ...	30.00	42	N	4	bc	30.05	+.10	40	38	-	4	ENE	1	c	1	47	38	0.15
Portishead ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scilly ...	30.01	49	N	5	c	30.01	+.03	46	44	-	3	N	6	c	5	50	43	0.23
Plymouth ...	29.98	45	NN	2	o	29.96	+.04	37	36	-	2	NN	2	o	*	50	33	0.13
Hurst Castle ...	29.91	44	N	2	r/m	29.90	+.01	43	42	+	5	NE	4	m	3	47	36	0.01
Dover ...	29.91	41	NN	1	bc	29.91	+.00	42	40	+	5	NNN	3	cw	1	45	36	-
London ...	29.91	44	N	2	odg	29.93	+.06	40	39	+	2	NNE	2	ogm	*	44	36	0.02
Oxford ...	29.93	41	NN	1	f	29.97	+.05	38	37	+	5	N	1	o	*	44	33	0.14
Cambridge ...	29.90	43	NNN	1	r	29.96	+.10	36	35	+	4	N	1	bc	*	47	31	0.01
Yarmouth ...	29.83	40	N	1	bcw	29.88	+.05	43	43	+	8	NN	1	c	3	43	33	0.05
The Helder. ...	*	*	*	*	*	29.85	+.09	42	41	+	3	SSN	1	c	*	*	*	0.08
Cape Gris Nez ...	29.90	45	NNN	1	bc	29.91	+.09	43	41	o	0	S	2	c	1	50	39	-
Jersey ...	29.98	46	Z	o	c	29.89	-.02	39	38	-	6	NNN	4	m	4	50	38	0.75
Brest ...	29.98	54	*	2	bc	29.97	-.03	41	37	-	7	N	3	bc	3	54	36	0.28
L'Orient ...	29.99	48	NN	3	bc	29.98	-.02	43	?	-	3	NNN	3	o	3	52	39	-
Rochefort ...	30.07	52	NN	2	bc	29.93	-.08	30	46	+	2	NN	4	r	3	63	41	0.57
Biarritz ...	30.03	57	S	2	r	29.99	-.05	52	45	-	2	SSN	2	r	3	57	46	0.39
Corunna ...	*	*	*	*	*	...	...	...	...	...	...	...	...	...	...	*	*	*
Brusselsa ...	*	*	*	*	*	29.95	+.17	35	34	-	1	SSN	2	bc	*	43	35	-
Charleville ...	*	*	*	*	*	29.95	+.22	35	*	-	1	ESE	1	f	*	*	*	*
Paris ...	30.07	41	NN	2	bc	30.01	+.12	39	39	-	2	NN	2	bc	*	*	*	-
Lyons ...	*	*	*	*	*	30.10	+.08	45	*	o	0	N	2	o	*	*	*	*
Toulon ...	29.99	46	NN	3	c	30.02	-.04	45	39	-	12	Z	o	c	3	52	39	-

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.76	45	41	E	2	o	Valencia ...	30.15	49	44	N	1	c
Thurso ...	29.97	43	43	NNE	7	ogp	Scilly ...	30.01	49	47	NNE	6	c
Scarborough ...	29.86	45	44	N	5	r	London ...	29.88	44	42	NN	2	og
Greencastle ...	30.06	41	38	N	3	odg	Rochefort ...	30.02	55	50	NNN	3	bc
Holyhead ...	29.99	46	41	N	5	c							

Pressure is changing little and irregularly in our Islands. The N wind is again freshening in the N. and NE. and blows a moderate gale from NNE. at Thurso with showery weather and a high sea.

Mullaghmore	30.12	41	NE	4	bc	30.20	+.07	43	43	+.00	NNE	5	r	3	45	37	0.30
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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.

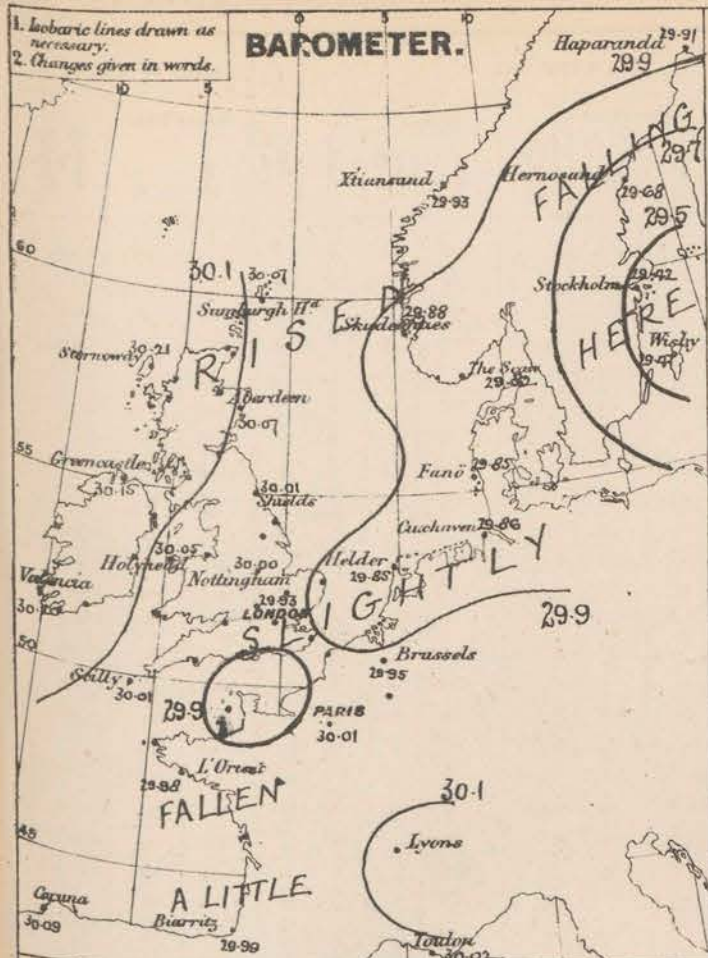
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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 Friday 1st Nov^r 1878.

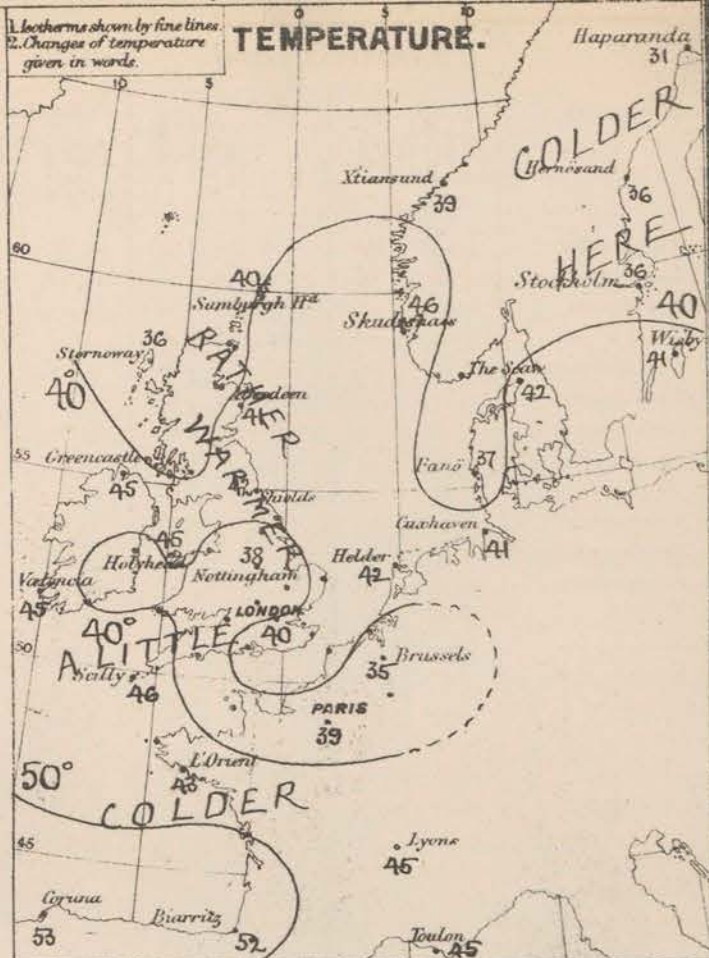
1. Isobaric lines drawn as necessary.
2. Changes given in words.

BAROMETER.



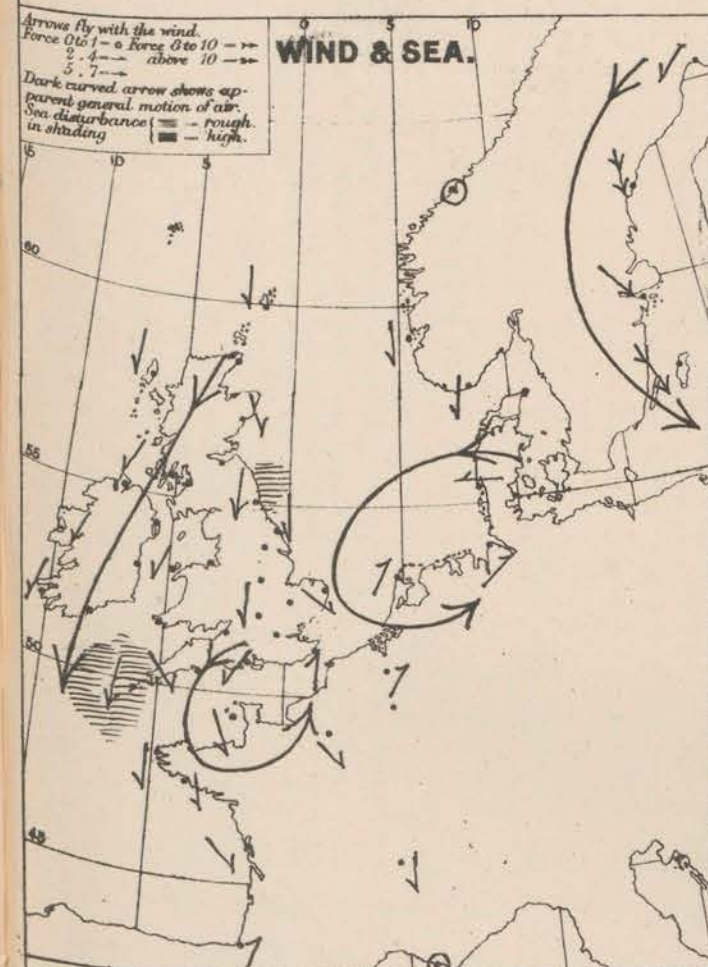
1. Isotherms shown by fine lines.
2. Changes of temperature given in words.

TEMPERATURE.



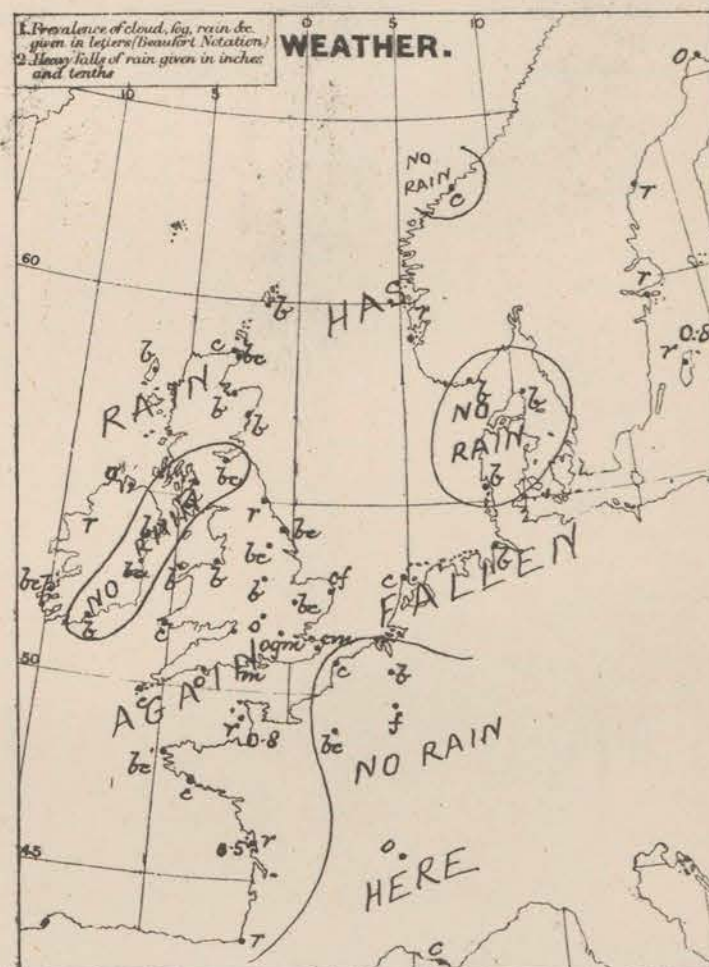
1. Arrows fly with the wind.
- Force 0 to 1 - a force 2 to 10 - 2 - 4 - above 10 - 5 - 7 -
- Dark curved arrow shows apparent general motion of air.
- Sea disturbance in shading - rough - high.

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 very changeable. At the present time it is clear in Denmark, Scotland and the NW. of England, as well as in the S. of Ireland, overcast or cloudy in most other places, gloomy and misty in the SE, and raining in several localities. Rain has fallen since 8 a.m. yesterday in nearly all parts of the United Kingdom and France the fall at the French stations having been larger. Temperature is changing irregularly, but the general tendency in the N. parts of our islands has been to increase, while that in the SW has been to decrease. Readings are still below the average. Wind is N. to NE. on our coasts, NW. in the W. parts of France, W. in the Netherlands. In fact it is light at the SE stations generally, somewhat elsewhere, but fresh in a few exposed places. Sea has gone down on all our coasts. Barometrical indications. A depression which lay over the Gulf of Bothnia yesterday is now growing deeper and deeper, while that on the E. shores of the North Sea is dispersed. Readings are high both off our NW. coasts, and in the S. of France, a trough of low pressure lying between them, with two well defined minima in it - one over the Channel, the other off the coast of Holland.

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

R. H. SCOTT.
Secretary

DAILY WEATHER REPORT

Nov^r 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 ...	29.75	33	NE	4	f	29.76	-.15	37	37	+ 6	SE	2	r	*	?	27	0.32	
Hernösand ...	29.61	33	N	6	s	29.62	-.06	31	?	- 5	NNN	4	o	*	*	*	0.32	
Stockholm ...	29.53	36	N	6	f	29.62	+ .20	33	33	- 3	NT	4	s	*	*	*	0.35	
Wisby ...	29.67	42	NN	8	f	29.63	+ .16	40	38	- 1	NT	8	f	*	*	*	0.20	
Christiansund ...	29.97	42	NN	1	o	29.93	-.00	42	41	+ 3	N	4	f	5	?	36	0.12	
Skudesnaes ...	29.87	39	NNN	3	o	29.95	+ .07	37	33	- 3	N	4	o	2	43	32	-	
Oxö (Xtiansand) ...	29.87	37	N	2	o	29.88	-.00	34	31	- 3	N	4	o	1	41	32	-	
Skagen (The Seaw) ...	29.84	44	NNE	3	c	29.89	+ .07	42	37	0	NNN	3	o	3	45	36	-	
Fanö ...	29.92	37	NNN	1	o	29.93	+ .08	40	39	+ 3	SN	3	c	*	45	30	-	
Cuxhaven ...	29.91	43	SN	1	o	29.97	+ .11	42	42	+ 1	SSN	1	f	*	43	36	-	
Sumburgh Head ...	30.11	39	N	4	o	30.21	+ .14	40	38	0	N	3	c	3	45	36	0.01	
Stornoway ...	30.25	39	N	5	c	30.34	+ .13	39	38	+ 3	N	2	c	3	42	35	0.07	
Thurso ...	30.19	42	N	5	f	30.30	+ .14	43	41	+ 1	NN	3	c	4	46	40	0.16	
Wick ...	30.17	40	NNN	4	o	30.28	+ .15	38	37	- 1	NT	2	o	0	45	35	0.10	
Nairn ...	? 30.20	40	NNN	2	o	? 30.33	+ .16	39	37	0	Z	0	o	2	42	38	0.04	
Aberdeen ...	30.05	39	NNN	3	o	30.25	+ .18	41	39	0	N	3	o	3	47	36	0.02	
Leith ...	30.12	41	NNE	2	o	30.25	+ .14	37	36	- 5	NN	3	cw	*	52	36	0.03	
Shields ...	30.07	42	N	3	o	30.19	+ .18	41	39	- 1	N	3	f	5	47	35	0.40	
Scarborough ...	30.04	46	N	3	o	30.14	+ .19	46	44	0	N	5	o	5	49	38	0.33	
York ...	30.06	42	N	2	c	30.15	+ .17	38	37	- 1	NNN	1	o	*	50	33	0.11	
Nottingham ...	30.08	43	NNN	3	o	30.16	+ .16	40	39	+ 2	NNN	3	o	*	50	29	-	
Ardrossan ...	30.17	40	N	1	o	30.29	+ .18	38	35	+ 1	N	1	o	1	49	35	-	
Greencastle ...	30.23	41	NNN	2	o	30.34	+ .19	44	40	- 1	NNE	2	o	*	49	38	0.17	
Donaghadee ...	30.20	43	N	5	c	30.31	+ .19	44	42	- 1	N	5	o	4	47	40	0.12	
Kingstown ...	30.22	44	NNN	4	c	30.32	+ .20	38	37	+ 2	NNN	4	o	4	47	35	-	
Holyhead ...	30.14	48	NNE	4	c	30.23	+ .18	45	41	0	NNE	5	o	4	49	41	0.26	
Liverpool (Bidston) ...	30.13	43	?	2	o	30.22	+ .17	40	38	+ 2	?	3	o	3	46	36	0.07	
Valencia ...	30.31	45	NE	0	o	30.42	+ .22	42	40	- 3	Z	0	c	2	50	37	0.06	
Roche's Point... ..	30.28	40	N	4	o	30.36	+ .22	41	37	+ 1	N	5	o	3	48	38	-	
Pembroke ...	30.15	44	NNE	2	o	30.21	+ .16	42	39	+ 2	NNE	2	o	2	49	38	0.07	
Portishead ...																		
Scilly ...	30.13	50	NNE	7	c	30.23	+ .22	47	44	+ 1	NNE	7	c	5	51	43	0.02	
Plymouth ...	30.09	43	NNN	3	o	30.18	+ .22	37	36	0	NN	2	o	*	48	36	0.02	
Hurst Castle ...	29.99	43	N	2	o	30.13	+ .23	41	39	- 2	N	2	cw	2	49	36	-	
Dover ...	29.94	45	N	3	c	30.05	+ .14	38	37	- 4	NNN	4	o	2	48	37	-	
London ...	30.01	45	N	1	f	30.11	+ .18	36	34	- 4	N	1	o	*	48	33	0.05	
Oxford ...	30.03	45	N	1	o	30.15	+ .18	36	35	- 2	NN	1	o	*	48	35	-	
Cambridge ...	30.00	43	N	1	c	30.10	+ .14	34	33	- 2	NN	1	c	*	50	31	-	
Yarmouth ...	29.94	44	NNN	2	o	30.02	+ .14	40	40	- 3	NN	3	f	3	48	39	0.19	
The Helder. ...	*	*	*	*	*	29.95	+ .10	44	42	+ 2	N	1	o	*	*	*	0.12	
Cape Grin Nez ...	29.94	46	NNE	1	f	30.03	+ .12	43	43	0	N	5	c	4	50	41	0.12	
Jersey ...	29.92	43	NNN	2	c	30.13	+ .24	45	43	+ 6	NN	3	o	3	48	38	0.23	
Brest ...	30.06	50	NNE	4	o	30.23	+ .26	45	41	+ 4	N	3	o	3	50	37	0.20	
L'Orient ...																		
Roche fort ...	29.95	52	NN	4	o	30.17	+ .24	46	45	- 4	N	4	o	3	64	41	0.08	
Biarritz ...	30.01	55	NNN	6	f	30.21	+ .22	43	41	- 9	ESE	4	o	4	55	41	0.16	
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	30.01	+ .06	36	35	+ 1	SN	2	c	*	42	34	-	
Charleville ...	*	*	*	*	*	? 30.03	+ .08	28	*	- 7	E	1	f	*	*	*	*	
Paris ...	30.01	42	Z	0	m	30.13	+ .12	41	40	+ 2	NNN	2	f	*	*	*	-	
Lyons ...	*	*	*	*	*	29.99	- .14	45	*	0	NN	2	r	*	*	*	*	
Toulon ...	29.97	48	Z	0	o	29.94	- .18	39	?	- 6	NN	5	o	6	52	39	0.12	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.92	? 41	39	NNE	4	o	2	Valencia	30.26	47	44	NNE	3	c	4
Thurso	30.17	43	42	NNE	5	o	4	Scilly	30.08	50	46	NNE	7	c	6
Scarborough ...	29.99	48	45	N	4	c	4	London	29.96	48	44	N	3	c	*
Greencastle ...	30.21	49	43	NNE	2	c	*	Rochefort ...	29.93	50	46	NN	4	o	3
Holyhead	30.11	48	44	NNE	4	c	4								

The barometer is rising everywhere, the N^w wind has increased to a moderate gale at Scilly, but shows no important change elsewhere. In London the weather (after a sharp rain at about 9 a.m.) has cleared up.

Mullaghmore	30.29	44	NNE	4	c	30.39	+ .19	44	43	+ 1	NNE	5	o	2	47	42	0.04
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EXPLANATION OF COLUMNS.

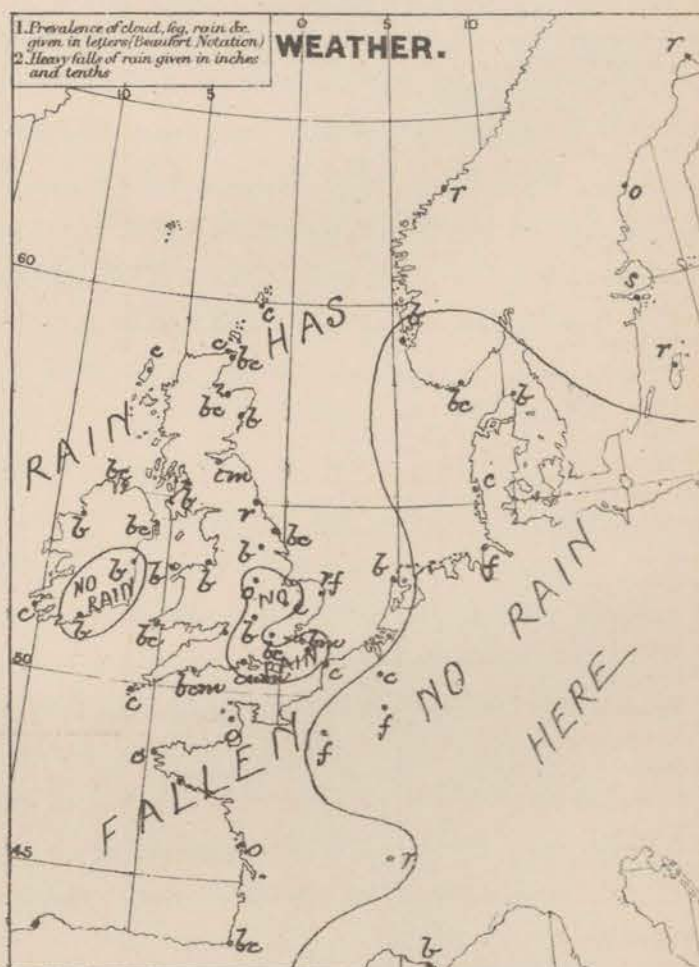
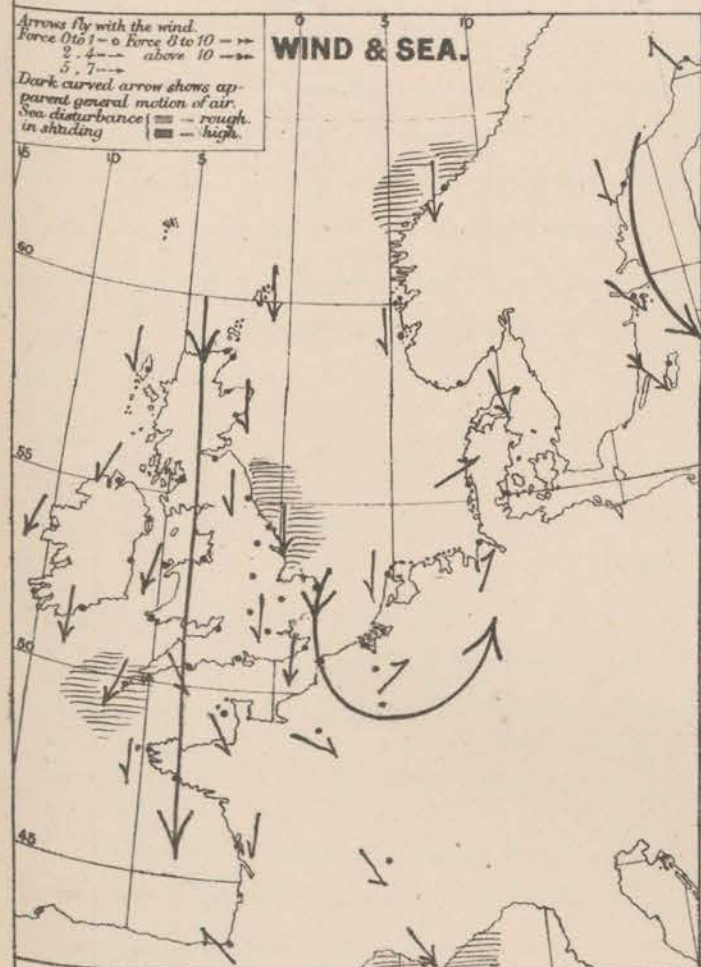
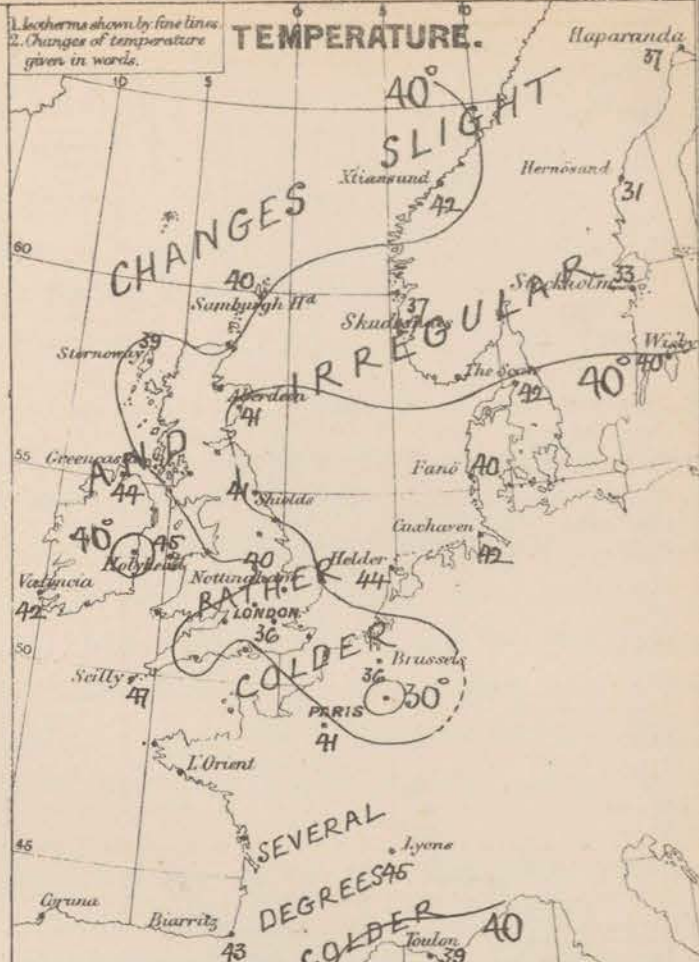
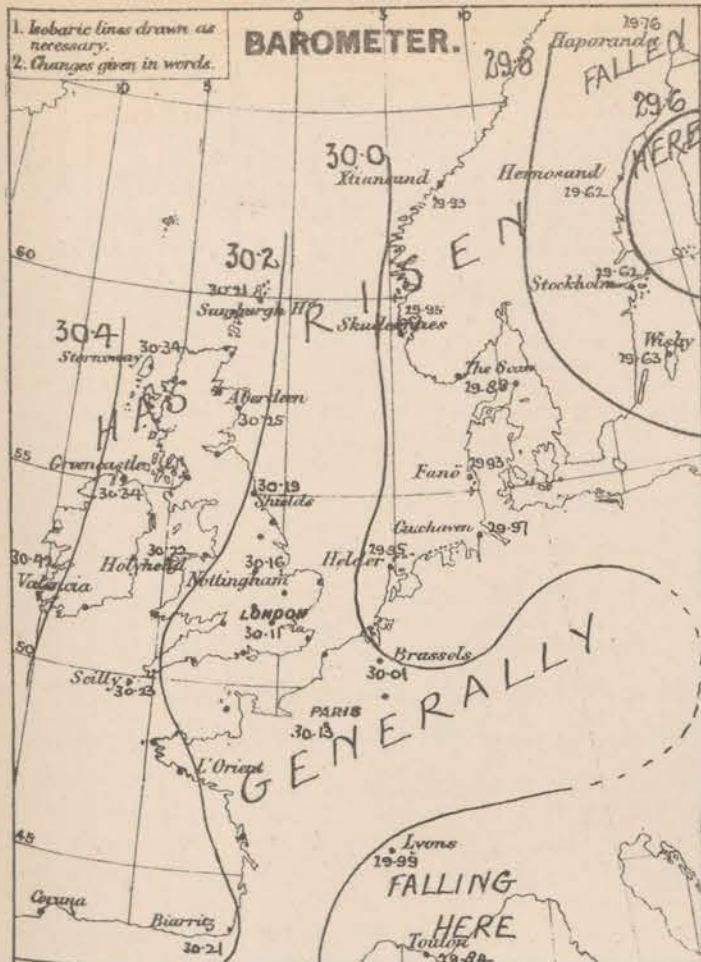
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. equally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility; t. unusual transparency; w. dew.

* 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 2nd Nov^r 1878.



REMARKS. Weather is now fine & fair at all our own stations excepting Shields and Yarmouth, where rain is falling; fog is reported in a few places. In Scandinavia, however, matters are less favourable, some being reported at Christiania, Whoby and Haparanda, and snow at Stockholm. Some rain has fallen at most of our stations during the past 24 hours, and thunderstorms occurred at Lerwick and B. G. Is. last night. Temperature has decreased in the S.E. of England, and S. of France, and is very low generally—especially in the S.E. In London the thermometer went down to 33° in the shade, and 23° in the grass during the night, and at Cambridge 31° was reached in the shade. Wind is generally moderate from the N.W. over Norway, the United Kingdom, the Channel, and Bay of Biscay, but still blows as moderate gale from N.W. at Sicily. In the N.E. of France it is more W. and in Scotland S.W. The N.W. gale in the Gulf of Bothnia is subsiding. Sea is rather rough at Sicily, and on our N.E. coasts, moderate to smooth elsewhere.

Barometrical indications. The barometer continues to rise over the whole of the United Kingdom, where readings now vary from 30.42 in at Valencia to 30.02 in at Yarmouth. The depression over the Baltic is moving E., and the irregularities noticed on France yesterday are travelling towards Germany.

SUMMARY OF WEATHER IN WESTERN EUROPE

from OCTOBER 27th to NOVEMBER 2nd 1878.

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

During the whole of this week pressure has been highest to the westward of Ireland, and lowest over Scandinavia, and the Polar current has prevailed uninterruptedly over these Islands. On Sunday the barometer was rising generally, the small depression over the Skager Rack was filling up, and the wind was moderate; on Monday, however, a fresh disturbance appeared near the Shetlands, and a large area of low readings being formed over the North Sea while the barometer rose in the west, fresh to strong N. to N.W. gales were experienced. These conditions continued until Thursday morning, when the barometer rose briskly in the east, gradients decreased and the wind took off. From that time till the close of the week the barometer rose slowly and gradients remained slight. Temperature has been several degrees below the average for the time of year in nearly all places and frosts have occurred at all our Central and eastern stations at night. Rain, hail, and snow showers have occurred on most days.

SUNDAY OCT^r 27th

Weather fine in most parts of our Islands, but slight showers prevailing in the extreme N. and S.W. On the Continent sky cloudy with rain. Some rain falling except in the S.E. of England during the day.

Temperature very considerably lower in the S.E., but higher elsewhere - as much as 10° in the N.E. The minima in the succeeding night as low as 32° at Wick, 33° at Nottingham and Cambridge, and 36° in London.

Wind Nth on our coasts, Nth over France, and Sth to S.Eth to the eastwards of the North Sea; fresh to strong in force in the N., light in the E. Becoming fresh to moderate on ^{N.W.} all our coasts in the evening.

Sea rough in the south-west, in the Bay of Biscay, and to the northward of Scotland.

Barometer falling over Denmark and the south of France, rising briskly over these Islands and their neighbourhood. A depression lying over the Skager Rack, and a small subsidiary disturbance over the Channel. Pressure decreasing again at Stromway at 6 P.M.

MONDAY OCT^r 28th

Weather fair in the S. and E., but overcast in the N. with hail showers at Stromway. Rain and hail showers occurring during the day, and thunderstorms in the S.W. in the evening.

Temperature higher in the S.W., but lower in the N. and N.E., and over the E. and S. of France. Readings varying from 52° at Scilly to 34° at Wick. The minima again as low as 32° in the N. of Scotland.

Wind Nth to N.Wth on nearly all coasts, fresh to strong except in the east, and blowing a gale at Mullaghmore. tremendous squalls passing over the Hebrides during the morning.

Sea rough in the N. and S.

Barometer rising briskly in the S. and over France, falling in the North. A depression lying between the Shetlands and the coast of Norway. In the evening barometer recovering in N. falling in S.

TUESDAY OCT^r 29th

Weather moderately fine in the E., but dull in the N. with showers of rain; snow in Caithness. Showers of snow, hail, and rain occurring very generally during the day.

Temperature fallen everywhere, varying over these Islands from 50° at Scilly to 33° in the N.E. The maxima below 50° except at Kilmuir, the minima in following night about freezing point in the E. and central parts.

Wind Nth to N.Wth, strong in force and increasing to a fresh gale at Scilly by the evening.

Sea rough on most of our coasts, high in the Minch.

Barometer rising over the greater part of the Kingdom - and falling over the North Sea, but fresh decrease appearing in N. and subsequently being felt at most stations.

WEDNESDAY OCT^r 30th

Weather cloudy or dull except in the S.H., with cold rain in several places, hail at Holyhead and Jersey, snow in the S. of England. Showers again occurring generally.

Temperature rises N., fallen S., readings very uniform over Western Europe, though lower over the E. of England and NE. of France than elsewhere. The minima in following night 31° in the SE.

Winds N² on our NW coast, NW² to N² in the S., strong in force except in the E. and blowing a gale all day in the S.H., N., and N.

Sea high to rough except in the E.

Barometer rising in the N. falling in the E. at 8 a.m., later in the day rise becoming general - brisk in the NW. large depression lying over the North Sea, readings highest in the N.

THURSDAY OCT^r 31st

Weather very fine at most of our coast stations, but cloudy and wet over Central England, and dull over France; snow falling at Stornoway. Showers again frequent later.

Temperature lower in Scotland and higher over France than on 30th. Change irregular elsewhere. Readings still uniform. Minima in following night as low as 32° at York and 31° at Cambridge.

Winds N² at most of our ports, but NW² over the Bay of Biscay and France, strong in force at many of our N² and N² stations. Very little change occurring during the day.

Sea high off the Hebrides, rough in the NW., NE. and S.H.

Barometer falling at Lillie and in the N. of France, rising elsewhere. Readings continuing highest to the NW² of Ireland, lowest over the North Sea. Pressure scarcely changing in the evening.

FRIDAY NOV^r 1st

Weather varying considerably; very fine over Denmark, and at many of our E², Central, and NW² stations, more or less cloudy elsewhere with rain in several places. Rain subsequently falling in most places and thunderstorms occurring at Jersey and Cape Iris, in the following night.

Temperature higher in the NE. and lower in the S.H. than on the 31st; readings again uniform, thermometer low in the SE. at night.

Winds N² generally, but drawing into S.H. in Belgium, moderate to fresh in force, except at Lillie, where it blew a moderate gale in the afternoon and evening.

Sea rough at Lillie and Shields.

Barometer falling briskly in Sweden, slightly over France, rising elsewhere. Readings highest to the NW² of our Islands, and lowest over the Baltic. Several small depressions shown in the SE.

SATURDAY NOV^r 2nd

Weather fine at all our stations, except at Shields and Yarmouth, where rain falls; snow and rain falling in Scandinavia.

Some fog prevailing in places. Weather fair all day.

Temperature changing irregularly in the N. rather lower in the SE., and several degrees lower over France. Thermometers falling in following night to 29° in London and to 30° at Edinburgh.

Winds N² on our own and the French coast and over Norway and Sweden but S.H. at Brussels; moderate to fresh in force generally, but blowing a gale at Wistby.

Sea moderate to smooth except in the NE. and S.H.

Barometer falling in the N. of Sweden and SE. of France, rising in all other places. Readings still highest to the NW² of Ireland, while the depression in the Baltic is moving NW.

Meteorological Office,

116 Victoria Street, Westminster, S.W.

ROBERT H. SCOTT, Secretary.

DAILY WEATHER REPORT

NOV 3RD

1878.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 5 p.m. and Sea Level.	Temp. in shade.	WIND.		Weather.	Barometer. Reading at 3 p.m. 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 ...													*						
Hernösand ...	29.54	33	NN	2	0	29.54	+08	33	32	+2	NNN	2	0	*	*	*	-		
Stockholm ...	29.64	35	SN	2	0	29.71	+09	35	?	+2	SN	4	0	*	*	*	-		
Wisby ...	29.68	42	NN	8	0	29.75	+12	42	40	+2	NN	6	0	*	*	*	0.12		
Christiansund ...	29.86	40	NN	6	+	29.92	-01	36	33	-6	NNN	8	h	6	42	31	0.24		
Skudesnaes ...	29.96	42	NNN	3	0	29.91	-04	41	38	+4	NNN	4	0	2	43	37	-		
Oxö (Xtiansand) ...	29.91	39	N	2	0	29.82	-06	39	35	+5	NNN	4	0	1	45	34	-		
Skagen (The Sæw) ...	29.88	46	NN	3	0	29.80	-09	?	33	?	N	3	0	2	46	30	-		
Fanö ...	29.95	40	N	1	0	29.89	-04	40	39	0	L	0	0	*	48	34	0.04		
Cuxhaven ...	30.04	43	NSH	1	0	29.96	-01	46	44	+4	N	1	0	*	?	39	0.03		
Sumburgh Head ...	30.18	40	NNE	3	0	30.18	-03	39	36	-1	NNE	4	0	3	44	37	0.01		
Stormoway ...	30.29	45	NNN	1	0	30.28	-06	39	39	0	N	1	0	2	45	35	0.06		
Thurso ...	30.28	45	NNN	4	+	30.25	-05	43	41	0	NNN	3	0	4	47	41	0.09		
Wick ...	30.26	47	NN	2	0	30.26	-02	42	41	+4	NN	1	0	1	45	35	0.03		
Nairn ...	30.31	41	L	0	0	30.28	-05	40	38	+1	L	0	0	2	43	38	0.02		
Aberdeen ...	30.25	42	NNN	3	0	30.22	-03	41	39	0	NNN	2	0	2	44	40	0.05		
Leith ...	30.29	43	NNN	2	0	30.24	-01	38	37	+1	N	2	0	*	51	36	-		
Shields ...	30.28	42	NNN	3	0	30.21	+02	40	39	-1	NN	3	0	3	46	37	0.15		
Scarborough ...	30.25	46	NNN	5	0	30.17	+03	46	44	0	N	4	0	4	48	39	0.07		
York ...	30.26	42	N	2	0	30.22	+07	41	39	+3	N	1	0	*	48	33	0.05		
Nottingham ...	30.29	43	NN	3	0	30.24	+08	38	36	-2	NSH	1	0	*	49	31	-		
Ardrossan ...	30.33	45	NNE	2	0	30.28	-01	37	36	-1	E	1	0	1	49	37	-		
Greencastle ...	30.37	45	NNN	2	0	30.31	-03	47	45	+3	NNE	2	0	*	50	43	0.12		
Donaghadee ...	30.37	44	N	3	0	30.29	-02	46	45	+2	NNE	4	0	2	47	41	0.09		
Kingstown ...	30.40	44	NN	4	0	30.33	+01	43	42	+5	NNN	4	0	3	46	37	0.01		
Holyhead ...	30.33	47	NNE	4	0	30.28	+05	49	47	+4	N	4	0	3	50	44	0.10		
Liverpool (Biston) ...	30.33	43	N	1	0	30.26	+04	42	39	+2	N	1	0	1	46	40	-		
Valencia ...	30.45	43	ENE	2	0	30.43	+01	37	37	-5	L	0	0	1	50	34	-		
Roche's Point... ..	30.42	38	NNE	3	0	30.40	+04	41	38	0	NNE	4	0	3	47	37	-		
Penbroke ...	30.34	43	NE	2	0	30.32	+11	44	43	+2	NNE	1	0	1	48	39	-		
Portishead ...																			
Scilly ...	30.30	49	NE	8	0	30.34	+11	48	46	+1	NE	4	0	4	49	44	0.11		
Plymouth ...	30.29	43	NE	2	0	30.33	+15	39	38	+2	NNN	2	0	*	48	33	-		
Hurst Castle ...	30.21	42	N	2	0	30.25	+12	38	36	-3	NNN	2	0	2	48	33	-		
Dover ...	30.16	44	N	4	0	30.18	+13	38	37	0	NNN	4	0	2	?	36	0.18		
London ...	30.21	45	N	2	0	30.22	+11	34	33	-2	N	1	0	*	47	29	0.04		
Oxford ...	30.25	40	N	1	0	30.19	+04	33	33	-3	N	1	0	*	46	32	-		
Cambridge ...	30.22	40	N	1	0	30.19	+09	34	?	0	NN	1	0	*	52	33	0.03		
Yarmouth ...	30.14	46	NNN	3	0	30.13	+11	40	40	0	NNN	2	dm	3	49	38	0.20		
The Helder. ...						30.03	+08	46	44	+2	NNN	2	0	*	*	*	0.04		
Cape Gris Nez ...	30.11	46	NNE	6	0	30.18	+15	43	41	0	N	5	0	4	50	41	0.91		
Jersey ...	30.24	45	NNE	2	0	30.30	+17	46	43	+1	NNE	2	0	2	47	41	0.08		
Brest ...	30.28	?	NE	2	0	30.34	+11	43	41	-2	ENE	2	0	3	50	36	-		
L Orient ...	30.23	43	NE	3	0	30.30	+10	43	?	-2	NNE	4	0	3	50	36	0.04		
Rochefort ...	30.18	50	E	3	0	30.22	+05	39	37	-7	NE	4	0	3	61	39	-		
Biarritz ...	30.10	55	S	1	+	30.22	+01	43	39	0	ENE	1	f	3	55	39	0.20		
Corunna ...						30.15		52			NE	1	0	1	*	*	*		
Brussels ...						30.10	+09	36	36	0	NSH	3	f	*	44	35	0.08		
Charleville ...						30.04	+01	35		+7	ENE	1	f	*	*	*	*		
Paris ...	30.16	43	?	2	0	30.25	+12	39	39	-2	N	1	0	*	*	*	-		
Lyons ...						30.16	+17	46	*	+1	N	6	0	*	*	*	*		
Toulon ...	29.83	39	NN	8	0	29.82	-02	39	32	0	NN	7	0	8	48	36	-		

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.94	43	39	NNN	6	bc	2	Valencia	30.44	49	42	NE	4	bc	5
Thurso	30.27	46	45	NNN	3	p	4	Scilly	30.25	49	46	NE	8	aph	6
Scarborough ...	30.21	46	44	NNN	5	c	5	London	30.16	46	44	NN	2	bc	*
Greencastle ...	30.38	49	44	NNE	2	v	*	Rochefort ...	30.17	50	48	NN	3	r	3
Holyhead	30.31	47	44	NNE	4	bc	5								

Pressure has decreased somewhat at Thurso since the morning but increased elsewhere, though the rise has ceased at Valencia since noon. The wind has veered to NE at Scilly and risen to a fresh gale.

Mullaghmore	30.42	45	NNN	3	0	30.26	-03	47	46	+3	NNN	3	0	2	49	42	0.02
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EXPLANATION OF COLUMNS.

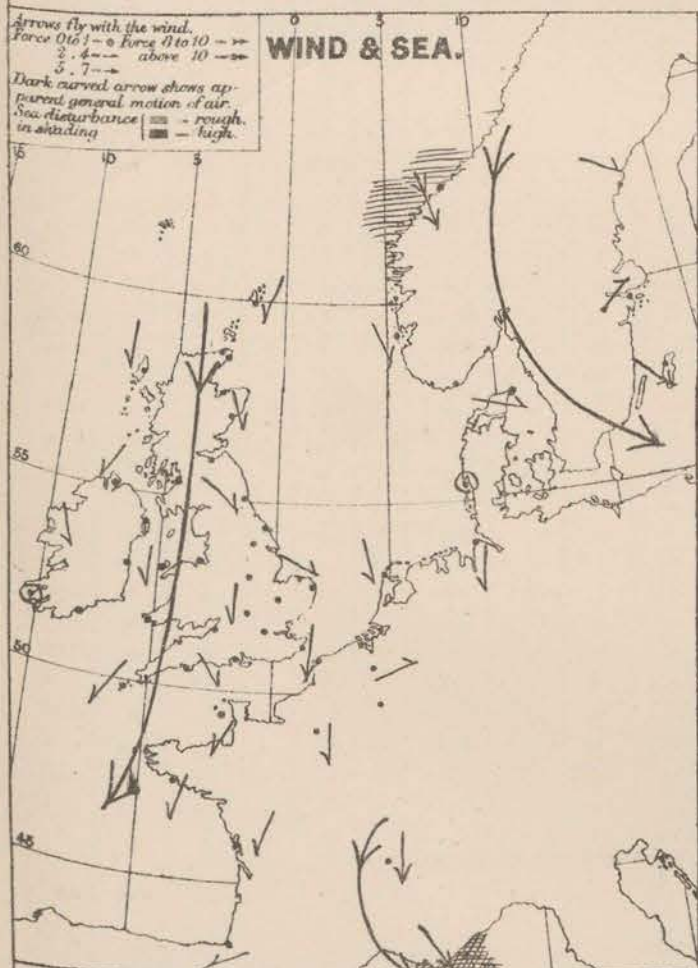
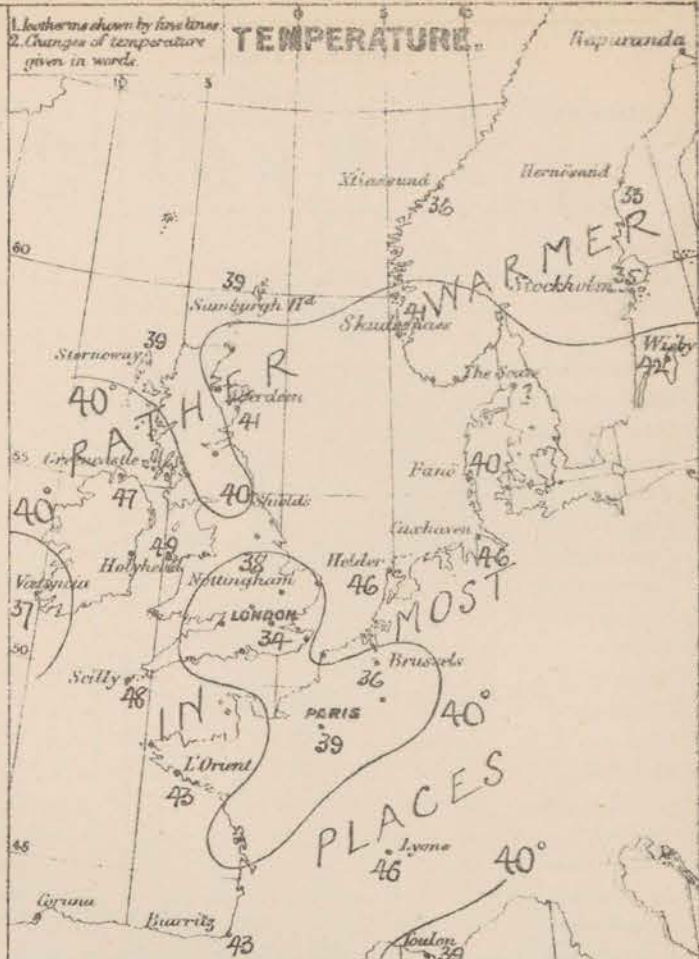
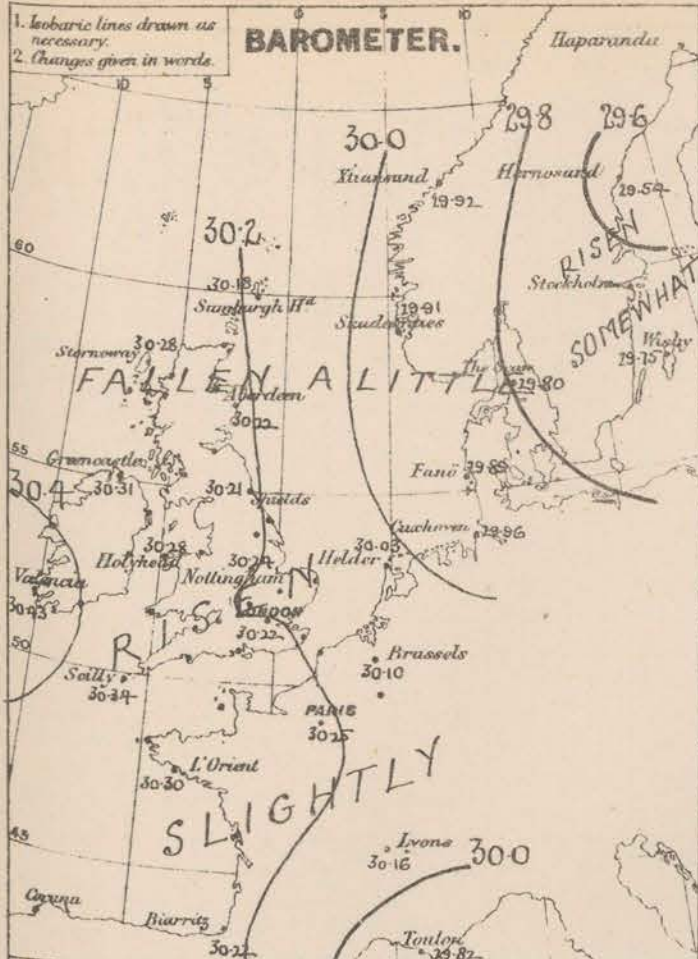
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

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

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

WEATHER CHARTS for 8 a.m. on Sunday 3rd Nov^r 1878.



REMARKS. Weather is fine over France, Denmark, and the greater part of these Islands, but on our extreme N^o coasts and in the W of Norway the sky is overcast and at R^o Christiansund snow and hail are falling. Light rain has fallen in the W. and N. and thunder and lightning occurred over the Channel last evening. Temperature has changed very little, but the general tendency is to rise. During last night frost was experienced on the ground in many places. Wind is N^o on all coasts, and is light or moderate in force generally, but blows a gale at R^o Christiansund. Sea is moderate to slight except off L^o Lundy, where it runs very high. Barometrical Indications Pressure is decreasing slightly at all our new W^o and N^o stations, but is still increasing in the E. It is highest to the W^o of Ireland, and lowest in the N. of Sweden, but gradients are not steep.

DAILY WEATHER REPORT

NOV 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.	
			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 ...	29.57	28	NN	2	δ	29.71		31	30		N	2	o	*	34	25	-	
Hernösand ...	29.63	29	Λ	0	δo	29.71	+ .17	32	32	- 1	NN	2	c	*	*	*	0.04	
Stockholm ...	29.73	34	WSN	4	o	29.65	- .06	26	25	- 9	NNE	2	δ	*	*	*	-	
Wisby ...	29.72	35	SSN	4	δ	29.58	- .17	40	36	- 2	NE	8	o	*	*	*	-	
Christiansund ...	29.88	35	?	3	δ	29.89	- .03	33	32	- 3	S	1	c	4	36	27	0.35	
Skudesnaes ...	29.84	39	N	3	o	29.75	- .16	40	37	- 1	SSE	3	ohg	2	41	39	-	
Oxö (Klansand) ...	29.82	40	N	4	o	29.75	- .07	37	32	- 2	NNE	4	c	2	45	36	-	
Skagen (The Saaw) ...	29.81	41	ENE	4	δ	29.73	- .07	36	33	- ?	NE	4	δ	4	46	30	-	
Fanö ...	29.76	36	N	1	δ	29.63	- .26	37	36	- 3	ENE	4	c	*	48	32	-	
Cuxhaven ...	29.81	41	N	1	δ	29.65	- .31	42	42	- 4	N	1	δ	*	46	39	0.01	
Sumburgh Head ...	30.00	40	NNN	3	o	29.92	- .26	38	36	- 1	NNE	4	δc	3	39	35	0.02	
Stornoway ...	30.12	42	NNN	1	δo	29.98	- .30	40	40	+ 1	NNE	4	δc	3	44	38	0.06	
Thurso ...	30.10	44	NNN	2	o	29.95	- .30	43	42	o	N	4	c	4	45	40	0.17	
Wick ...	30.06	39	NNN	1	o	29.92	- .34	41	40	- 1	N	3	c	1	45	35	0.07	
Nairn ...	30.13	42	Λ	0	δo	29.92	- .36	42	40	+ 2	NE	2	δ	3	43	38	-	
Aberdeen ...	30.09	40	NNN	3	o	29.82	- .40	42	41	+ 1	N	4	pg	3	44	36	0.01	
Leith ...	30.08	41	N	2	δo	29.85	- .39	38	37	o	NNN	3	δc	*	46	36	-	
Shields ...	30.12	43	NN	2	δm	29.82	- .39	37	35	- 3	NN	3	ow	2	45	36	0.01	
Scarborough ...	30.08	44	NNN	3	†	29.79	- .38	41	40	- 5	NNN	4	†	3	46	40	0.21	
York ...	30.11	41	N	1	o	29.83	- .39	35	34	- 6	N	1	δ	*	47	33	-	
Nottingham ...	30.16	41	NNN	?	δo	29.84	- .40	34	34	- 4	Λ	0	δf	*	48	31	-	
Ardrossan ...	30.14	45	N	2	o	29.89	- .39	39	38	+ 2	E	1	cm	0	48	37	-	
Greencastle ...	30.24	46	N	2	o	29.91	- .40	45	45	- 2	N	2	o	*	49	41	0.12	
Donaghadee ...	30.18	46	NNE	3	δo	29.90	- .39	43	43	- 3	N	3	δ	2	48	42	0.26	
Kingstown ...	30.23	47	NN	4	o	29.93	- .40	44	43	+ 1	N	4	o	4	48	42	0.01	
Holyhead ...	30.18	47	NNE	1	o	29.89	- .39	46	44	- 3	NNE	4	†	3	50	45	0.33	
Liverpool (Bidston) ...	30.17	41	NNE	1	δ	29.86	- .40	40	38	- 2	NE	1	m	1	46	40	-	
Valencia ...	30.30	49	Λ	0	o	30.03	- .40	47	46	+ 10	NNN	2	odg	2	53	36	0.10	
Roche's Point... ..	30.28	47	?	3	δo	30.03	- .37	43	41	+ 2	NNN	3	δc	2	50	40	-	
Pembroke ...	30.19	45	NNE	1	o	29.92	- .40	47	44	+ 3	NN	3	o	2	49	42	0.22	
Portishead ...																		
Scilly ...	30.23	50	NNN	5	o	29.98	- .36	50	46	+ 2	N	6	o	4	51	46	0.06	
Plymouth ...	30.17	44	NN	1	o	29.94	- .39	38	37	- 1	NN	1	cf	*	48	33	-	
Hurst Castle ...	30.14	44	N	1	o	29.89	- .36	39	38	+ 1	NN	3	c	2	49	32	-	
Dover ...	30.08	43	NNN	4	δ	29.84	- .34	39	38	+ 1	NN	3	c	2	46	37	-	
London ...	30.12	44	NN	1	og	29.86	- .36	33	33	- 1	SW	1	of	*	46	31	-	
Oxford ...	30.15	42	N	1	o	29.89	- .30	34	34	+ 1	Λ	0	o	*	46	32	-	
Cambridge ...	30.09	41	NN	1	o	29.83	- .36	36	35	+ 2	NN	1	o	*	50	35	-	
Yarmouth ...	30.02	43	NN	2	o	29.77	- .36	39	38	- 1	NNN	3	of	3	47	38	0.10	
The Helder ...	*	*	*	*	*	29.67	- .34	45	44	- 1	NN	1	†	*	*	*	0.20	
Cape Gris Nez ...	30.07	46	NNN	4	o	29.86	- .32	43	41	o	NN	4	o	3	48	41	-	
Jersey ...	30.18	45	Λ	0	o	29.95	- .35	45	43	- 1	NN	1	c	1	49	42	0.19	
Brest ...	30.27	52	NE	3	δ	30.02	- .32	45	45	+ 2	N	1	o	3	52	36	0.12	
L'Orient ...	30.22	46	NE	3	δ	29.98	- .32	43	?	o	NN	1	δ	3	54	41	-	
Rochefort ...	30.21	50	E	3	δ	30.02	- .20	45	41	+ 6	S	3	δo	3	59	36	-	
Biarritz ...	30.14	54	ENE	1	δ	29.96	- .26	34	32	- 9	E	4	δ	3	52	32	-	
Corunna ...	*	*	*	*	*			*						*	*	*	*	
Brussels ...	*	*	*	*	*	29.79	- .31	41	40	+ 5	WSN	2	†	*	48	38	0.20	
Charleville ...	*	*	*	*	*	29.79	- .25	40	*	+ 3	WSN	3	o	*	*	*	*	
Paris ...	30.19	41	?	1	δ	29.99	- .26	41	40	+ 2	N	1	o	*	*	*	-	
Lyons ...	*	*	*	*	*	30.03	- .13	43	*	- 3	N	2	δ	*	*	*	*	
Toulon ...	29.89	41	NN	7	δ	29.89	+ .07	41	?	+ 2	NN	5	δ	6	50	37	-	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.				
Skudesnaes ...	29.87	39	36	NNN	4	c	2	Valencia									
Thurso								Scilly									
Scarborough ...								London					*				
Greencastle ...						*		Rochefort ...	30.23	52	46	NE	3	δ	3		
Holyhead																	
Mullaghmore	30.18	47	NE	3	0	29.97	- .39	47	46	o	NNE	3	og	2	49	45	0.08

EXPLANATION OF COLUMNS

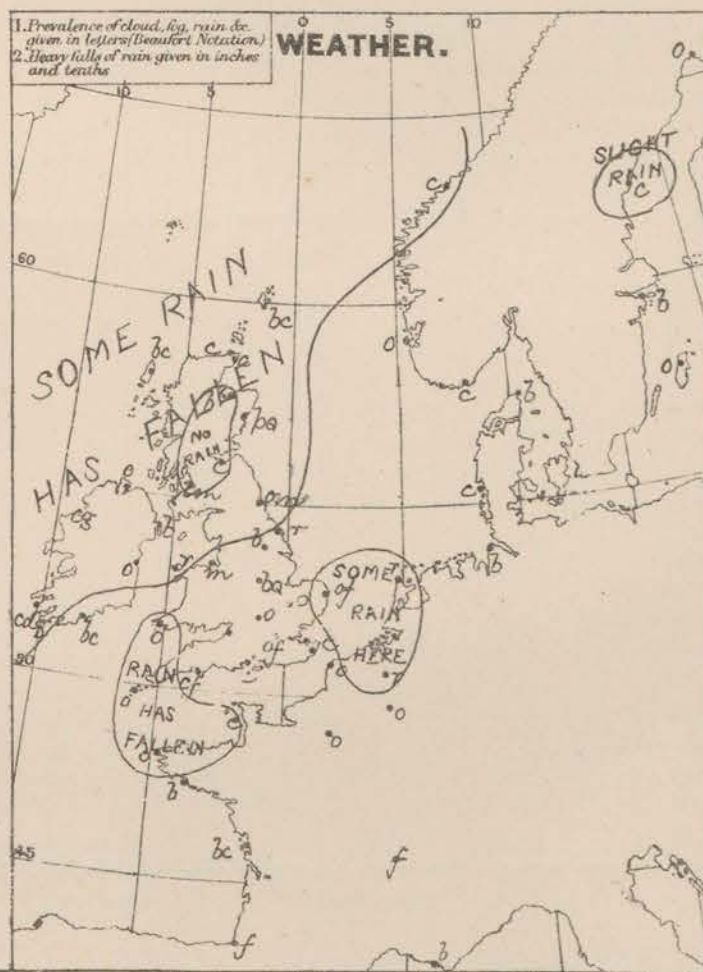
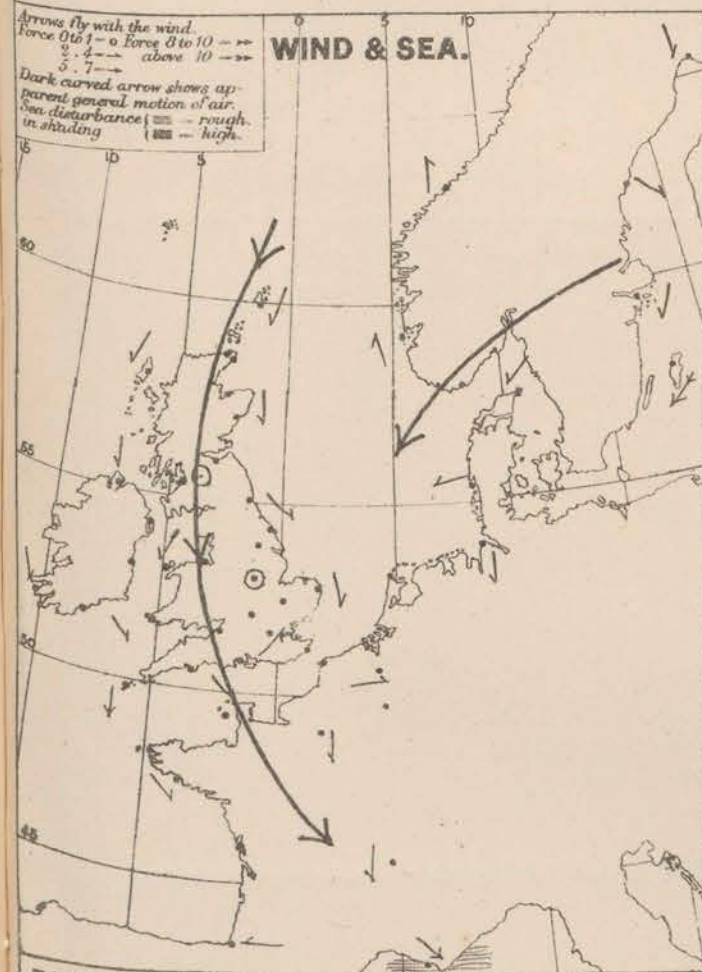
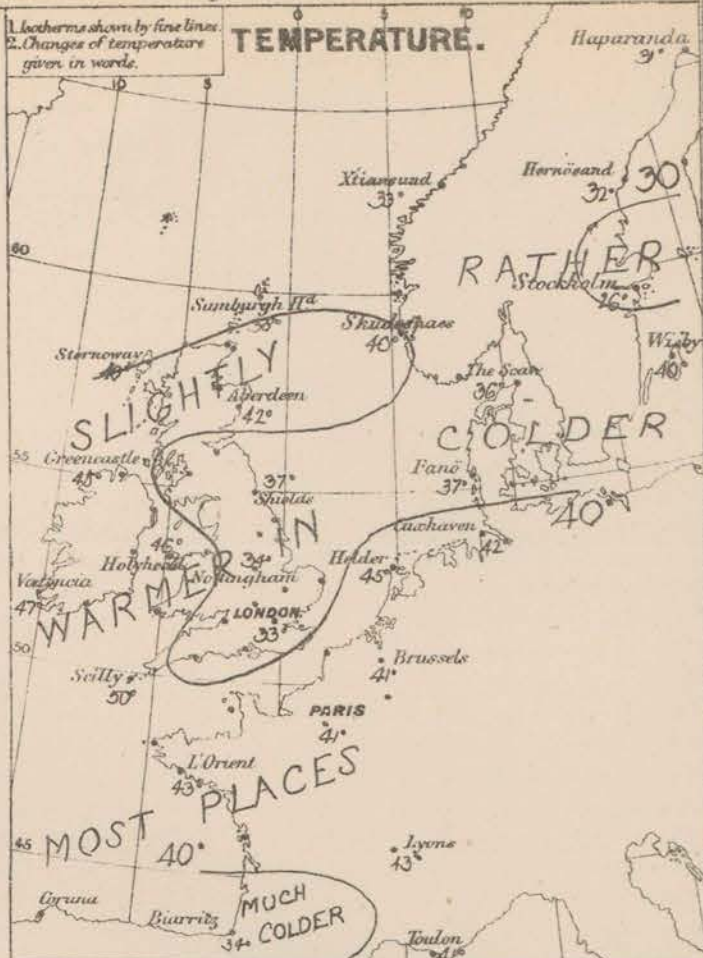
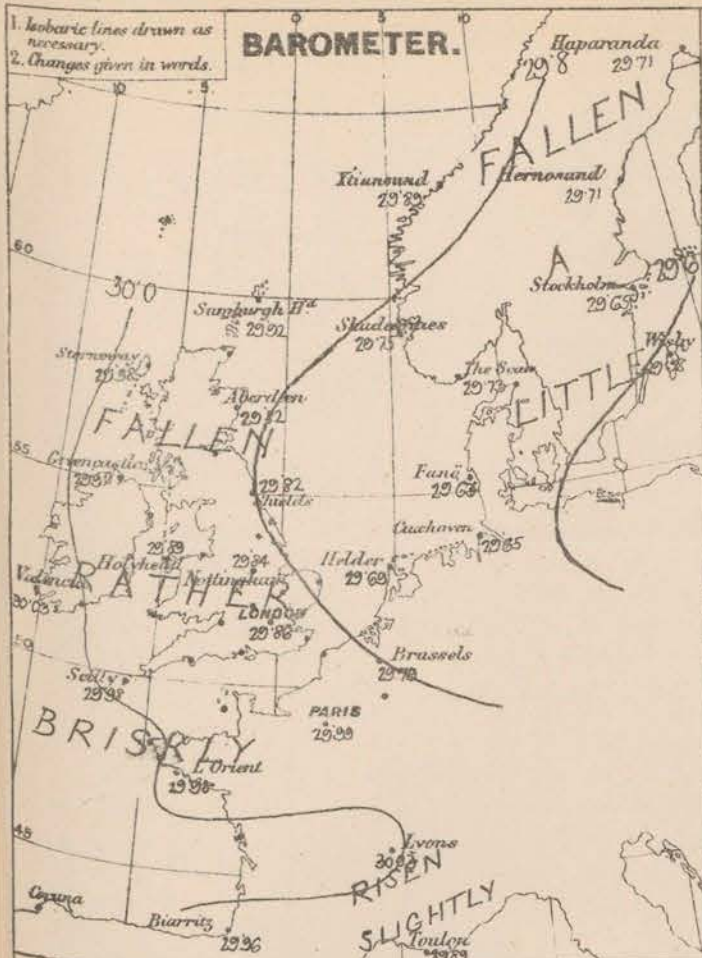
WEATHER.—Beaufort Scale is, b. blue sky; o. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 Monday 4th Nov^r 1878.



REMARKS. Weather is locally clear at York, Nottingham, Donaghadee and Naam, but is cloudy or dull in all other parts of our Islands, with rain and mist at several stations and cold fog in the south east of England. Slight rain has fallen during the past 24 hours except in the south and east of England. Temperature has risen in the north-east of France and at some of our western and northern stations, but has fallen over England; it at present varies from 50° at Skilly to 33° in London and 30° in the Netherlands. During the past night the thermometer in the shade fell to 32° at Hunt Castle and Oxford, and to 31° at Nottingham and in London, while on the grass in London temperature fell to 20°. Wind is N^W to NW^W over these Islands and Scandinavia but blows into W in the north of France; it is moderate to light generally, but blows a fresh gale in the Baltic. Sea is moderate to smooth.

Barometrical Indications. A brisk and uniform decrease of pressure has occurred over these Islands and spread, though in a less degree, to most parts of Western Europe. The general distribution is, however, not much altered, reading still being highest to the W^W of Ireland and lowest over the Baltic.

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

DAILY WEATHER REPORT

Nov 5th

1878.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS		
	Barometer at 320 P. Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 12).		Reading at 320 P. 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 ...	29.85	22	N	2	b	29.82	+ .11	21	20	- .10	N	4	o	*	?	16	-	
Hernösand ...	29.78	31	W	6	c	29.60	- .11	29	?	- .3	N	6	o	*	*	*	-	
Stockholm ...	29.50	33	N	6	f	29.30	- .35	35	34	+ .9	N	6	f	*	*	*	-	
Wisby ...	29.44	39	NNE	9	f	29.20	- .38	39	39	- .1	NE	9	f	*	*	*	0.28	
Christiansund ...	29.95	35	SE	2	b	29.70	- .19	36	34	+ .3	SSE	2	c	4	36	28	0.08	
Skudesnaes ...	29.88	35	NNW	2	b	29.74	- .01	30	28	- .10	N	0	b	2	?	?	-	
Oxö (Ålön) ...	29.81	36	NE	4	b	29.72	- .03	33	30	- .4	NE	2	b	1	39	30	-	
Skagen (The Sea)	29.73	39	NE	5	c	29.63	- .10	36	32	0	NNE	5	o	5	39	32	-	
Fanö ...	29.71	35	N	4	c	29.67	+ .04	32	31	- .5	N	2	b	*	41	28	-	
Cuxhaven ...	29.63	43	NE	4	b	29.68	+ .03	40	39	- .2	NNE	4	b	*	43	37	-	
Samburgh Head	30.09	39	NNE	4	c	29.84	- .08	42	42	+ .4	N	5	o	3	43	36	0.06	
Stornoway	30.04	40	NNE	4	b	30.04	+ .06	43	42	+ .5	NNW	1	o	3	45	36	-	
Thurso ...	30.05	43	N	2	b	29.98	+ .03	44	42	+ .1	NE	3	c	3	46	41	0.03	
Wick ...	30.02	42	ESE	2	b	29.93	+ .01	40	38	- .1	N	2	c	1	46	30	0.07	
Nairn ...	30.02	40	NE	2	b	30.02	+ .10	38	36	- .4	NE	1	o	2	44	35	0.04	
Aberdeen ...	29.94	40	N	3	b	29.95	+ .13	39	38	- .3	NE	3	b	2	44	37	0.07	
Leith ...	29.88	42	N	2	b	29.98	+ .13	37	36	- .1	N	3	b	*	48	36	-	
Shields ...	29.82	43	NNW	6	c	29.91	+ .09	41	39	+ .4	NNW	4	c	4	45	37	0.13	
Scarborough	29.76	44	N	4	b	29.87	+ .08	44	40	+ .3	NNE	5	c	5	46	40	0.26	
York ...	29.76	40	N	1	b	29.86	+ .03	39	38	+ .4	N	2	o	*	45	34	0.06	
Nottingham ...	29.77	41	N	3	b	29.90	+ .06	41	38	+ .7	NE	3	c	*	48	33	0.02	
Ardrossan ...	29.95	40	NE	3	b	30.02	+ .13	37	34	- .2	NNW	1	b	0	50	35	-	
Greencastle	29.96	46	NNE	2	c	30.06	+ .15	45	41	0	N	2	o	*	49	40	0.02	
Donaghadee ...	29.95	47	NNE	7	b	30.04	+ .14	44	40	+ .1	N	4	b	3	48	42	0.02	
Kingstown ...	29.92	48	NNE	5	c	30.05	+ .12	40	38	- .4	NE	4	b	4	48	39	0.01	
Holyhead ...	29.86	47	NNE	6	c	29.99	+ .10	46	43	0	NNE	5	b	4	50	45	0.14	
Liverpool (Bidston)	29.83	41	N	3	b	29.97	+ .11	40	38	0	N	2	b	1	47	37	-	
Valencia ...	29.98	48	NE	3	c	30.14	+ .11	43	39	- .4	NE	3	b	3	54	42	0.06	
Roche's Point...	29.94	45	NNE	5	c	30.08	+ .05	40	38	- .3	N	3	b	3	51	37	-	
Pembroke ...	29.88	45	N	1	c	29.97	+ .05	42	40	- .5	NNE	1	b	1	49	39	0.09	
Portishead																		
Scilly ...	29.83	50	N	6	o	29.93	- .05	48	43	- .2	NE	7	b	6	51	46	0.05	
Plymouth ...	29.76	44	NNW	1	o	29.91	- .03	39	37	+ .1	N	4	b	*	49	38	0.02	
Hurst Castle ...	29.71	44	NNW	1	c	29.81	- .08	41	39	+ .2	NNE	4	b	3	47	37	-	
Dover ...	29.64	41	NE	3	c	29.72	- .12	39	38	0	NNE	6	b	3	42	33	0.42	
London ...	29.69	42	NNW	1	o	29.79	- .09	40	37	+ .7	NNE	5	b	*	43	33	-	
Oxford ...	29.72	40	NNW	1	f	29.87	- .02	37	35	+ .3	N	2	b	*	45	33	0.03	
Cambridge ...	29.70	38	NNW	1	o	29.85	+ .02	38	38	+ .2	N	2	f	*	43	35	0.12	
Yarmouth ...	29.62	42	NNE	5	f	29.75	- .02	44	40	+ .5	NNE	4	b	4	44	38	0.32	
The Helder ...	*	*	*	*	*	29.72	+ .03	41	39	- .4	NNE	1	b	*	*	*	0.12	
Cape Gris Nez	29.63	45	NNW	4	o	29.71	- .15	39	37	- .4	E	2	f	2	45	37	0.35	
Jersey ...	29.73	45	NNE	1	f	29.77	- .18	45	43	0	NE	5	b	4	51	42	0.29	
Brest ...	29.82	50	WSW	4	o	29.88	- .14	43	39	- .2	NNE	3	b	3	52	37	0.24	
L'Orient ...	29.80	48	NNW	3	c	29.80	- .18	43	?	0	N	4	b	2	55	39	-	
Rochefort ...	29.78	52	SW	4	f	29.73	- .29	41	39	- .4	NE	3	b	3	63	37	0.08	
Biarritz ...	29.87	50	E	1	b	29.68	- .28	46	41	+ .12	N	4	f	3	52	?	0.04	
Corunna ...	*	*	*	*	*				*						*	*	*	
Brussels ...	*	*	*	*	*	29.65	- .14	38	37	- .3	NE	3	o	*	44	36	0.16	
Charleville ...	*	*	*	*	*	29.78	- .01	36	*	- .4	ESE	3	o	*	*	*	*	
Paris ...	29.74	42	?	2	f	29.69	- .30	40	39	- .1	N	1	f	*	*	*	0.20	
Lyons ...	*	*	*	*	*	29.68	- .35	43	*	0	SE	2	m	*	*	*	*	
Toulon ...	29.78	45	N	4	o	29.65	- .34	43	34	+ .2	N	4	b	3	52	39	-	

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

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		
Skudesnaes ...	29.82	39	35	NNE	2	bc	2	Valencia	29.96	51	48	NNE	3	c	4
Thurso	29.98	42	41	N	3	bc	4	Scilly	29.86	52	47	NNW	6	bc	5
Scarborough ...	29.73	42	41	NNW	4	o	4	London	29.72	43	48	N	1	om	*
Greencastle ...	29.93	47	42	NNE	2	c	*	Rochefort ...	29.89	50	45	SW	3	c	3
Holyhead	29.83	47	44	NNE	4	bc	3								

The barometer is rising somewhat in the N. and NW. and has ceased to fall at Valencia but over England pressure still decreases. N^o frosts continue on most coasts.

Mullaghmore	30.00	48	NNE	5	c	30.12	+ .15	45	44	- .2	NNE	2	b	2	49	44	-
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EXPLANATION OF COLUMNS.

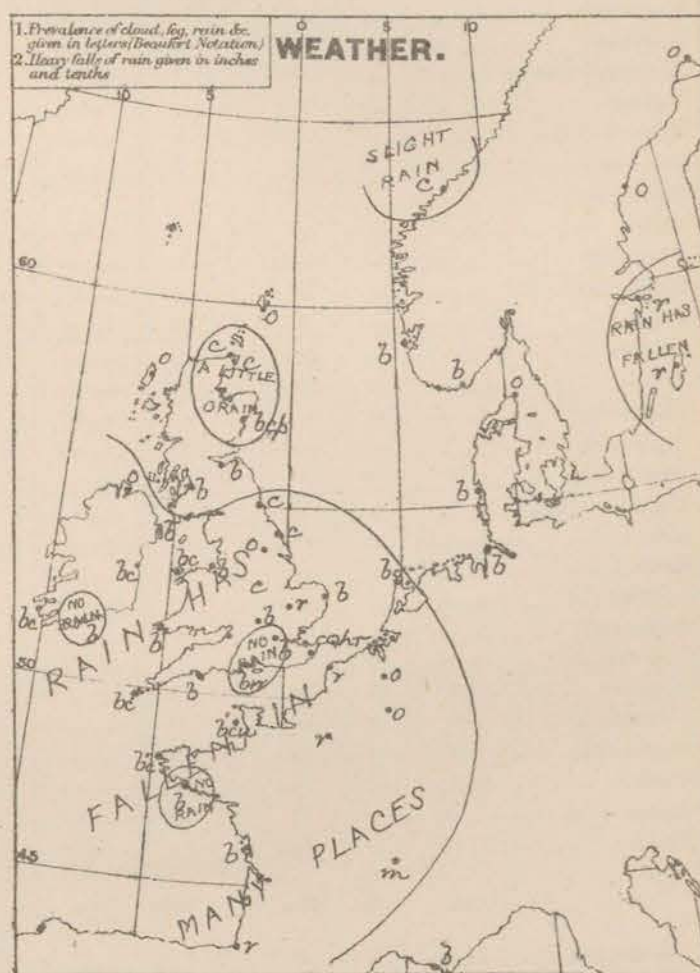
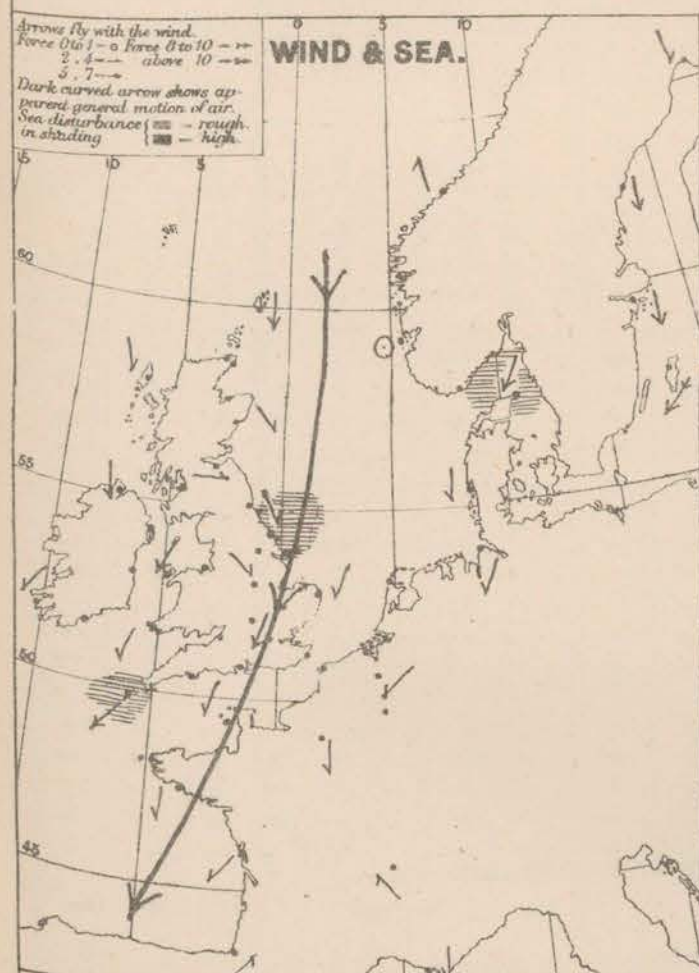
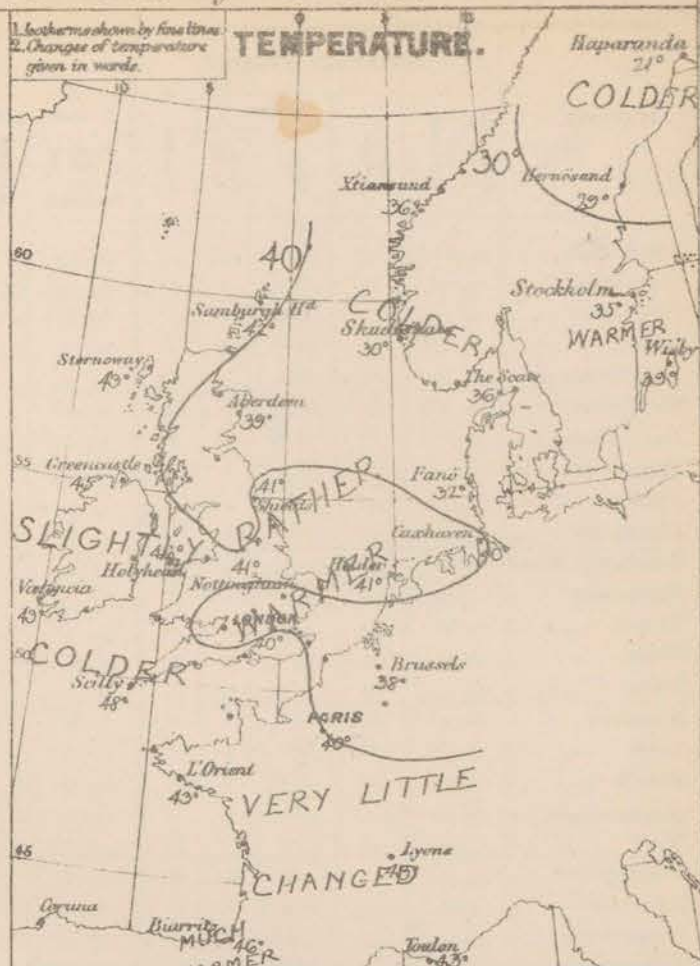
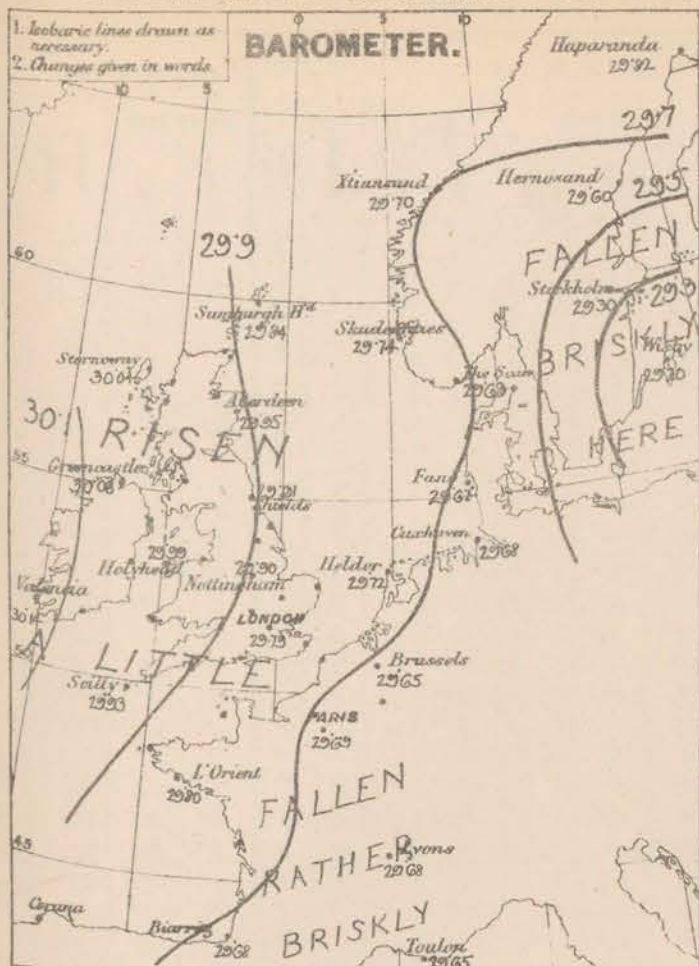
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

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

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

WEATHER CHARTS for 8 a.m. on Tuesday 5th Nov^r 1878.



REMARKS. Weather is fair over the greater part of Western Europe but showers are reported from Aberdeen, rain and hail from the Straits of Dover, and rain from several of the French stations. Rain has fallen in most parts of the country, and hail on our east coast. Temperature has risen in the east of England and also at Biarritz but has fallen in nearly all other districts; it is uniform at about 40° over these islands; during last night the thermometer in the shade fell to 30° at Wick and to 33° over Central England. Wind is N^W (NW to NE) over Western Europe; it is light or moderate in force at our western and northern stations but blows freshly in the east, with the force of a moderate gale at Lill and of a hard gale in the Baltic. A fresh to strong NE^W gale was felt on our east coast last night. Sea is rough at Lill and rather so at Leith and the Shaw, moderate to slight elsewhere.

Barometrical Indications. Pressure is increasing over the whole of these islands, but decreasing over Scandinavia and France. A small but well-marked depression is shown over the Baltic, while readings are still highest to the W^W of Ireland.

Warnings. The following message was sent to our east coast last evening: - "Depression in south-east growing deeper, and further disturbance coming over France. Hoist North Cone. Monday, 7pm."

Subscription for these Charts payable in advance to cover delivery. Delivery by hand 1/6 per quarter, book post 5/- per quarter.

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

R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT NOV 5 6TH 1878.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 320 F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Direc.	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.	Direc.	Force. (0 to 12).			Max.	Min.			
Haparanda ...	29.63	29	NE	4	0	29.48	- .34	32	32	+ 11	NE	4	0	*	?	21	0.08		
Hernösand ...	29.28	30	NNE	9	5	29.27	- .33	32	32	+ 3	N	4	5	*	*	*	0.08		
Stockholm ...	29.03	31	NNW	4	5	29.03	- .27	32	31	- 3	Z	0	5	*	*	*	0.43		
Wisby ...	29.12	38	NNW	8	5	29.10	- .10	33	33	- 6	WST	8	5	*	*	*	0.39		
Christiansund ...	29.52	33	SE	2	0	29.56	- .14	33	31	- 3	SSE	1	0	5	37	25	-		
Skudesnaes ...	29.46	33	ENE	2	0	29.36	- .38	33	30	+ 3	N	2	0	2	36	36	-		
Oxö (Tjalsund) ...	29.45	33	NNW	4	0	29.32	- .40	32	28	- 1	NNW	2	0	2	37	28	-		
Skagen (The Seal) ...	29.34	37	NNE	4	9	29.26	- .37	36	33	0	NNE	4	0	4	39	32	-		
Fanö ...	29.43	32	S	1	0	29.32	- .35	31	30	- 1	ESE	2	0	*	39	28	-		
Cuxhaven ...	29.59	37	WST	1	0	29.37	- .31	39	39	- 1	SW	2	7	*	41	36	-		
Sumburgh Head ...	29.68	38	NNE	6	0	29.65	- .19	40	38	- 2	NNE	8	7	7	45	36	0.28		
Stornoway ...	29.98	42	N	5	0	29.79	- .25	41	41	- 2	NNE	6	0	5	46	38	0.04		
Thurso ...	29.86	42	NNW	7	0	29.71	- .27	45	43	+ 1	N	7	0	7	49	40	0.14		
Wick ...	29.82	42	N	5	0	29.67	- .26	43	41	+ 3	NE	3	0	2	46	31	0.28		
Nairn ...	29.91	40	NNW	4	0	29.68	- .34	43	41	+ 5	NE	6	0	4	46	36	0.06		
Aberdeen ...	29.75	40	NNW	3	0	29.55	- .40	42	40	+ 3	N	4	0	4	45	37	0.34		
Leith ...	29.83	45	NNE	4	0	29.61	- .37	41	39	+ 4	NNW	3	0	*	49	36	-		
Shields ...	29.77	42	NW	5	0	29.53	- .38	40	36	- 1	NNW	6	0	4	44	37	0.10		
Scarborough ...	29.73	41	NNW	3	0	29.48	- .39	38	36	- 6	NNW	5	0	5	46	36	0.81		
York ...	29.80	40	N	3	0	29.53	- .33	39	36	0	NW	3	0	*	43	37	0.02		
Nottingham ...	29.81	39	NNW	1	0	29.59	- .31	37	34	- 4	NW	3	0	*	45	32	-		
Ardrossan ...	29.88	45	NW	3	0	29.69	- .33	43	40	+ 6	NNW	6	0	4	50	37	-		
Greencastle ...	30.00	47	NW	1	0	29.84	- .22	43	41	- 2	NNW	2	0	*	48	42	-		
Donaghadee ...	29.92	45	NNW	6	0	29.76	- .28	45	42	+ 1	N	6	0	5	47	43	0.04		
Kingstown ...	29.99	46	NNW	5	0	29.82	- .23	44	41	+ 4	NW	6	0	5	46	38	-		
Holyhead ...	29.90	47	N	6	0	29.72	- .27	47	42	+ 1	N	7	0	6	50	44	0.10		
Liverpool (Bidston) ...	29.85	43	NW	3	0	29.66	- .31	44	39	+ 4	NW	4	0	3	46	40	-		
Valencia ...	30.13	48	NNW	4	0	29.99	- .15	48	44	+ 5	N	4	0	4	51	42	-		
Roche's Point ...	30.07	47	NNW	4	0	29.93	- .15	47	43	+ 7	NNW	5	0	3	49	38	-		
Pembroke ...	29.94	45	N	3	0	29.77	- .20	46	42	+ 4	NW	6	0	3	48	41	0.02		
Portishead ...																			
Seilly ...	29.98	49	N	6	0	29.86	- .07	50	45	+ 2	N	7	0	6	50	46	0.01		
Plymouth ...	29.93	44	NNW	2	0	29.75	- .16	42	41	+ 3	NW	3	0	*	49	34	0.05		
Hurst Castle ...	29.82	44	N	4	0	29.67	- .14	42	38	+ 1	N	3	0	2	48	34	-		
Dover ...	29.75	40	N	3	0	29.54	- .18	38	30	- 1	NNW	3	0	2	43	36	0.16		
London ...	29.81	43	NW	3	0	29.59	- .20	40	35	0	NW	3	0	*	45	36	-		
Oxford ...	29.84	41	NNW	2	0	29.64	- .23	38	34	+ 1	NW	2	0	*	45	34	-		
Cambridge ...	29.66	37	N	1	0	29.56	- .29	37	35	- 1	NW	2	0	*	46	34	0.04		
Yarmouth ...	29.70	41	NNW	3	0	29.45	- .30	39	38	- 5	NNW	5	0	4	45	38	0.79		
The Helder ...	*	*	*	*	*	29.31	- .48	46	43	+ 5	NW	2	0	*	*	*	0.12		
Cape Gris Nez ...	29.74	43	N	5	0	29.55	- .16	41	39	+ 2	NNW	6	0	5	46	37	0.20		
Jersey ...	29.86	47	N	3	0	29.73	- .04	44	43	- 1	NNW	2	0	2	47	42	0.05		
Brest ...																			
L'Orient ...	29.89	46	NNE	4	0	29.83	+ .03	48	45	+ 5	NW	4	0	4	50	39	-		
Roche fort ...	29.82	50	N	4	0	29.82	+ .09	48	45	+ 7	NNW	4	0	3	63	37	-		
Biarritz ...	29.83	48	N	2	0	29.93	+ .25	41	39	- 5	ESE	3	0	3	52	37	0.87		
Corunna ...	*	*	*	*	*										*	*	*		
Brussels ...	*	*	*	*	*	29.44	- .21	36	36	- 2	N	1	0	*	41	34	0.57		
Charleville ...	*	*	*	*	*	29.48	- .30	36	*	0	SW	3	0	*	*	*	*		
Paris ...	29.77	40	N	3	0	29.69	00	39	38	- 1	NNW	1	0	*	*	*	0.04		
Lyons ...	*	*	*	*	*	29.71	+ .03	43	*	0	NW	2	0	*	*	*	*		
Toulon ...	29.58	45	NW	4	0	29.64	- .09	37	34	- 6	NNW	7	0	7	52	37	-		

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.50	36	32	NNW	2	0	2	Valencia	30.14	50	46	N	2	0	3
Thurso	29.89	43	42	NW	5	0	4	Seilly	29.99	50	44	NNE	6	0	5
Scarborough ...	29.82	42	41	NNW	3	0	4	London	29.60	44	40	NNE	2	0	*
Greencastle ...	30.06	47	43	N	2	0	*	Roche fort ...	29.73	50	45	N	4	0	3
Holyhead	29.96	47	43	NNW	6	0	4								

Pressure has decreased somewhat since the morning at all but our SW stations. The wind is rising slightly at Thurso and Holyhead.

Malinbegmore	30.07	48	NNW	5	0	29.93	46	44	+ 1	N	5	0	4	49	44	-
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EXPLANATION OF COLUMNS.

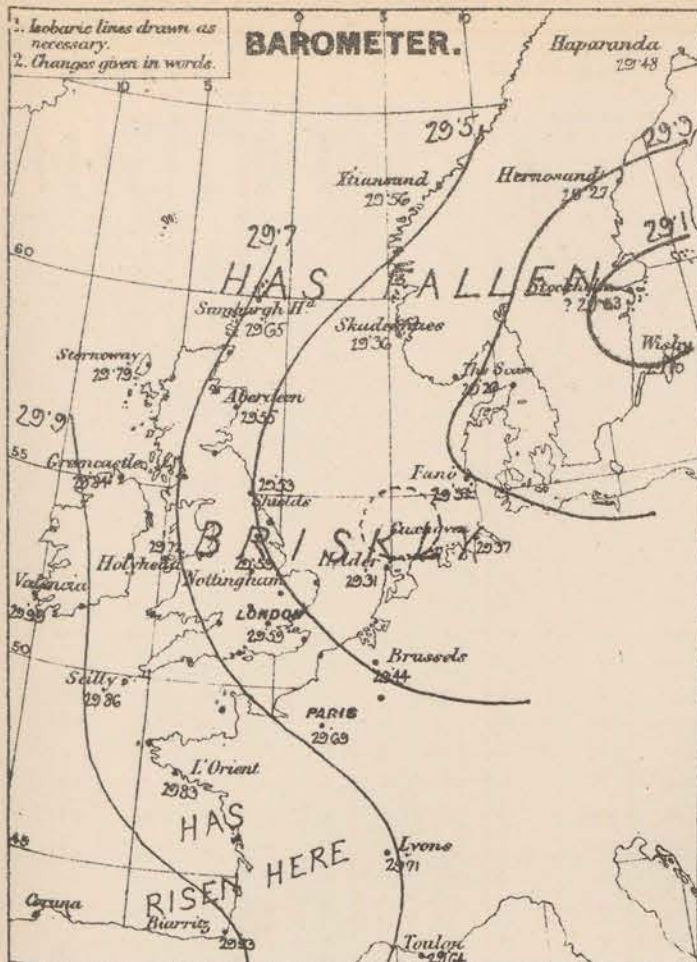
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. equally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 Wednesday 6TH Nov^R 1878.



DAILY WEATHER REPORT Nov^r 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.		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 ...	29.35	32	NE	2	0	29.26	- .22	35	35	+ 3	S	2	0	*	36	30	0.08		
Hernösand ...	29.23	33	Z	0	0	29.17	- .10	32	31	0	N	2	0	*	*	*	0.12		
Stockholm ...	29.08	34	SH	4	0	29.09	+ .06	33	32	+ 1	SSH	4	f	*	*	*	0.04		
Wisby ...	29.27	35	NNW	6	0	29.19	+ .09	35	34	+ 2	SH	4	0	*	*	*	0.20		
Christiansund ...	29.50	40	NNE	5	0	29.41	- .16	35	33	+ 2	N	5	S	5	?	30	0.16		
Skudesnaes ...	29.36	36	NNE	2	0	29.40	+ .04	36	34	+ 3	NNW	6	0	2	36	?	-		
Oxö (Xtiansand) ...	29.34	37	NE	4	0	29.33	+ .01	37	33	+ 5	NW	2	C	1	39	32	-		
Skagen (The Seaw) ...	29.30	37	NNE	3	0	29.26	.00	37	35	+ 1	N	4	0	4	37	30	0.16		
Fanö ...	29.35	32	Z	0	0	29.34	+ .02	37	35	+ 6	N	2	f	*	41	30	-		
Cuxhaven ...	29.34	49	SSH	1	0	29.37	.00	37	37	- 2	SH	2	f	*	?	31	0.01		
Sumburgh Head ...	29.70	40	NNE	6	0	29.70	+ .05	36	34	- 4	NNE	3	0	3	43	34	0.10		
Stornoway ...	29.84	41	NNE	5	0	29.81	+ .02	38	37	- 3	NNE	2	0	6	46	35	0.06		
Thurso ...	29.79	44	N	6	0	29.77	+ .06	39	39	- 6	N	2	0	4	46	39	0.00		
Wick ...	29.76	42	NNE	4	0	29.75	+ .08	36	35	- 7	N	2	0	2	45	35	0.09		
Nairn ...	29.80	40	NNW	3	0	29.80	+ .12	39	37	+ 4	NNW	2	C	3	46	37	0.02		
Aberdeen ...	29.66	41	N	4	f	29.72	+ .17	37	36	- 5	NW	2	C	3	45	37	0.15		
Leith ...	29.70	42	NNE	4	0	29.77	+ .16	39	37	- 2	NW	3	0	*	49	37	-		
Shields ...	29.59	41	NNE	4	0	29.72	+ .19	39	38	- 1	N	3	f	4	45	37	0.35		
Scarborough ...	29.55	42	NNW	3	0	29.67	+ .19	45	42	+ 7	N	5	0	5	46	38	0.77		
York ...	29.57	40	NNW	2	0	29.70	+ .17	38	37	+ 1	N	3	0	*	45	36	0.26		
Nottingham ...	29.61	41	NW	4	0	29.76	+ .17	37	35	0	NW	1	0	*	45	36	-		
Ardrossan ...	29.77	40	NNE	3	0	29.81	+ .12	40	37	- 3	N	1	0	1	50	36	-		
Greencastle ...	29.81	45	N	3	f	29.87	+ .03	38	37	- 5	NNW	2	0	*	49	37	0.08		
Donaghadee ...	29.77	47	NNE	6	0	29.85	+ .09	39	38	- 6	N	4	0	3	49	39	-		
Kingstown ...	29.79	45	NW	5	0	29.88	+ .06	38	37	- 6	NNW	4	0	4	47	37	-		
Holyhead ...	29.72	47	N	6	0	29.84	+ .12	46	41	- 1	N	4	0	3	50	45	-		
Liverpool (Hidston) ...	29.67	41	N	3	0	29.80	+ .14	41	38	- 3	NNW	3	0	3	46	40	-		
Valencia ...	29.93	47	N	3	0	29.99	.00	41	40	- 7	Z	0	0	1	52	37	0.01		
Roche's Point ...	29.87	45	N	5	0	29.96	+ .03	39	36	- 8	NNE	4	0	3	50	37	-		
Pembroke ...	29.74	43	N	5	0	29.85	+ .08	42	40	- 4	NNW	1	0	1	48	40	0.08		
Portishead ...																			
Scilly ...	29.69	50	N	8	0	29.86	.00	48	46	- 2	NNE	6	0	4	50	46	0.02		
Plymouth ...	29.70	42	NW	2	0	29.82	+ .07	37	36	- 5	N	2	0	*	49	34	0.08		
Hurst Castle ...	29.58	43	N	3	0	29.75	+ .08	36	35	- 6	NW	2	0	2	46	33	-		
Dover ...	29.49	41	NW	4	0	29.63	+ .09	39	38	+ 1	NNW	5	0	2	42	37	0.02		
London ...	29.55	44	N	2	0	29.69	+ .10	38	36	- 2	NW	3	0	*	45	35	-		
Oxford ...	29.59	41	N	2	0	29.75	+ .11	37	35	- 1	N	2	0	*	44	35	-		
Cambridge ...	29.53	41	N	2	f	29.69	+ .13	37	36	0	NNW	2	0	*	44	35	0.01		
Yarmouth ...	29.44	42	NNE	4	Cy	29.56	+ .11	42	41	+ 3	NW	4	0	4	43	37	0.47		
The Helder ...	*	*	*	*	*	29.39	+ .08	41	40	- 5	SSE	1	f	*	*	*	0.28		
Cape Gris Nez ...	29.52	43	NNW	5	0	29.66	+ .11	43	41	+ 2	N	5	0	4	45	39	-		
Jersey ...	29.68	47	NNW	3	0	29.87	+ .08	43	41	- 1	N	2	0	2	47	41	0.18		
Brest ...	29.79	50	NNW	4	0	29.88	- .01	43	39	- 7	NNE	2	0	3	52	39	0.12		
L'Orient ...	29.75	46	NW	4	0	29.84	+ .01	46	?	- 2	NNW	3	0	2	52	41	-		
Rochefort ...	29.71	54	NW	6	0	29.82	.00	45	43	- 3	SSH	3	0	3	61	37	0.08		
Biarritz ...	29.85	52	N	7	f	29.87	- .06	52	46	+ 11	SSH	3	f	4	57	39	1.50		
Corunna ...	*	*	*	*	*									*	*	*	*		
Brussels ...	*	*	*	*	*									*	*	*	*		
Charleville ...	*	*	*	*	*	29.58	+ .10	37	*	+ 1	NNW	3	0	*	*	*	*		
Paris ...	29.65	50	?	3	0	29.80	+ .11	39	39	0	N	3	0	*	*	*	0.04		
Lyons ...	*	*	*	*	*	29.84	+ .13	48	*	+ 5	NE	2	m	*	*	*	*		
Toulon ...	29.78	41	NW	7	0	29.82	+ .18	39	36	+ 2	NW	6	0	6	46	37	0.32		

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.32	36	32	N	2	0	2	Valencia ~...	29.95	50	44	N	3	0	4
Thurso	29.77	46	43	N	6	0	6	Scilly	29.69	50	45	N	8	0	6
Scarborough ...	29.49	45	43	N	4	0	5	London	29.52	45	40	NN	2	0	9
Greencastle ...	29.79	47	43	NNN	4	0	*	Rochefort ...	29.71	?	?	NN	6	0	4
Holyhead	29.68	49	44	N	6	0	5								

Pressure is increasing on our NE coast, but decreasing elsewhere - quickly at Scilly. A NE gale is blowing at Shields, and a N^g gale at the entrance to the Channel.

EXPLANATION OF COLUMNS.

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

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

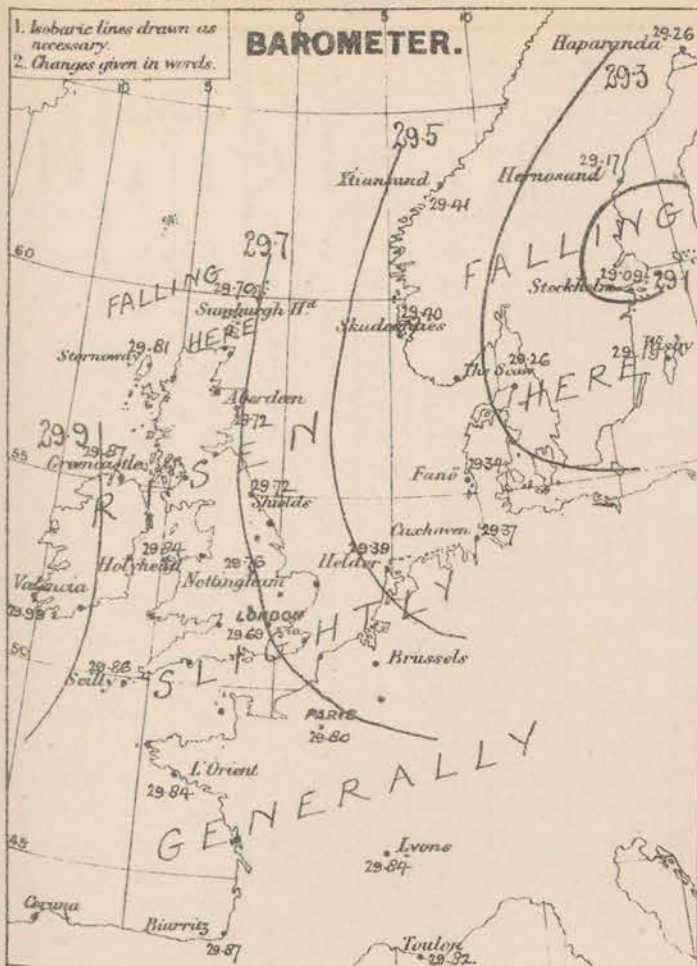
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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

WEATHER CHARTS for 8 a.m. on Thursday 7th Nov^r 1878.

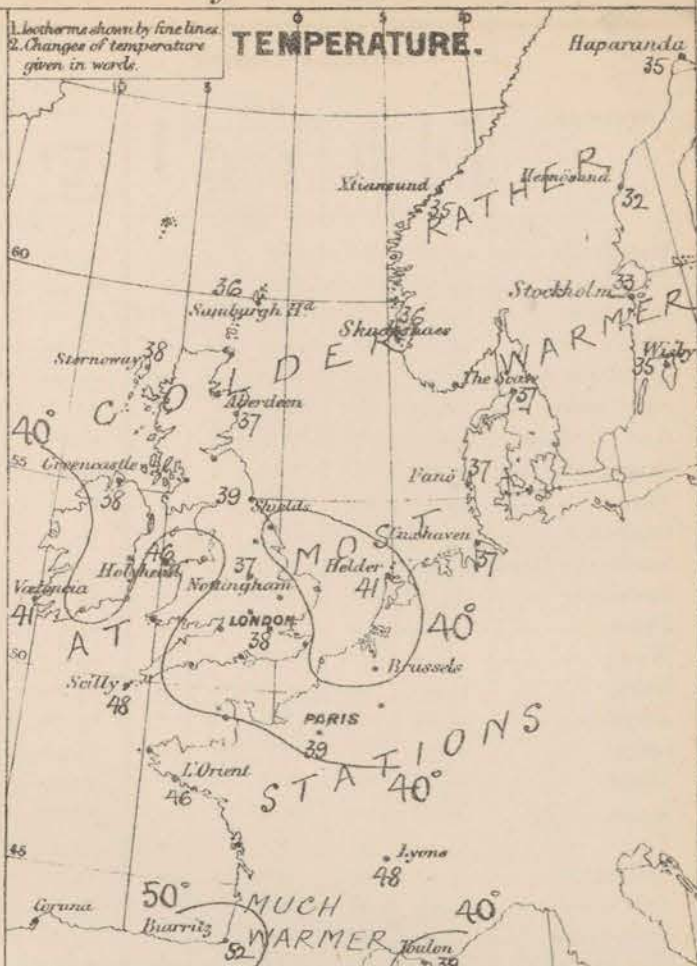
1. Isobaric lines drawn as necessary.
2. Changes given in words.

BAROMETER.



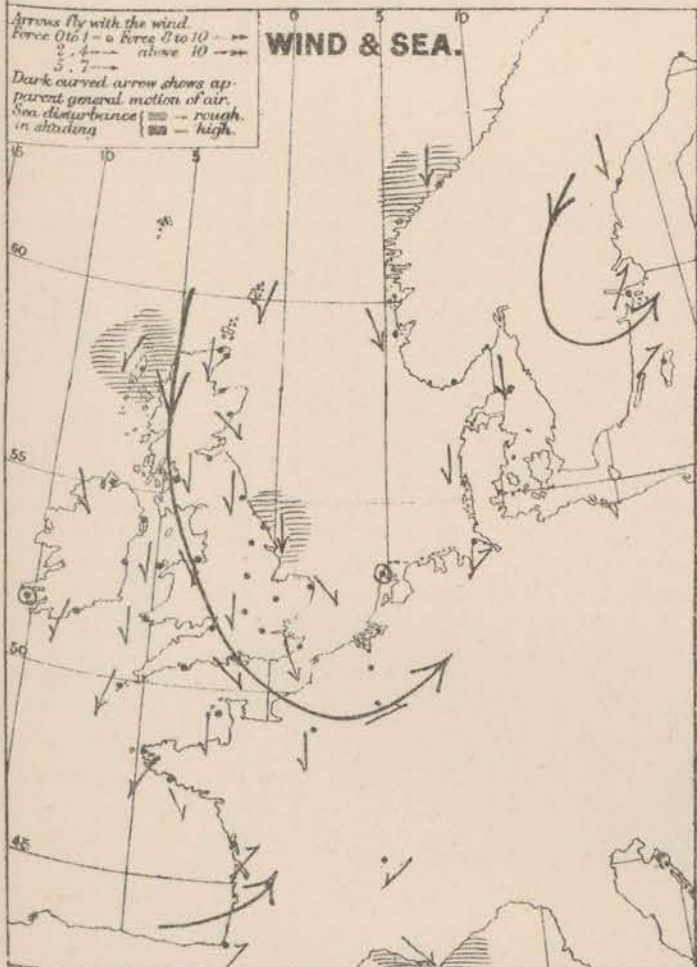
1. Isotherms shown by fine lines.
2. Changes of temperature given in words.

TEMPERATURE.



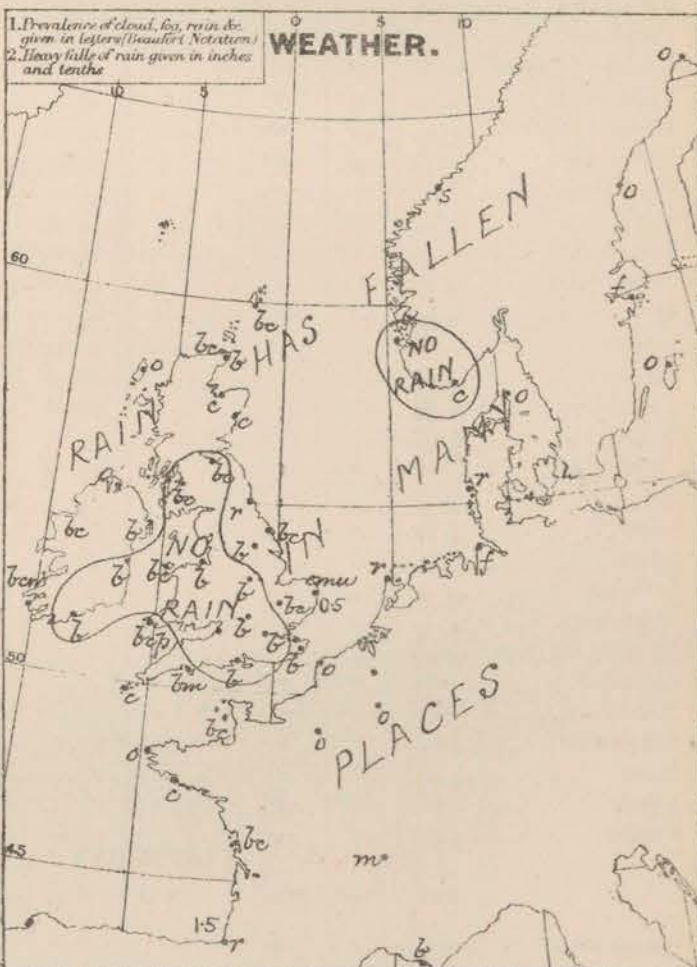
1. Arrows fly with the wind.
 - Force 0 to 10
 - Force 10 to 20
 - Force 20 to 30
 - Force 30 to 40
 - Force 40 to 50
 - Force 50 to 60
 - Force 60 to 70
 - Force 70 to 80
 - Force 80 to 90
 - Force 90 to 100
- Dark curved arrow shows apparent general motion of air.
- Sea disturbances: rough in shading, high in shading.

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.



REMARKS. Weather is wet and foggy or misty in N. Germany, at Shields and Yarmouth, heavy rain is falling at Biarritz, and snow at Christiansund, but elsewhere the sky is moderately clear. Rain has fallen in small amounts in most districts during the past 24 hours and lunar halos were seen in London and Nottingham last night. Temperature has risen fast at Biarritz, and a few degrees over Scandinavia and the E. of England; it at present varies from 48° at Scilly to 36° at Harst Castle and Wick. During last night the thermometer in London fell to 35° in the shade and to 27° on the grass. Wind is N. in most coasts, but draws into SW in N. Germany, and the W. of France; it is light or moderate in most places, but blows fresh at Scarborough, and in the Sts. of Dover, and strongly at Scilly. Yesterday afternoon or last night it rained a few gales on the Yorkshire coast. Sea is rough at Stromway, moderate or slight in nearly all other places. Barometrical indications. Since yesterday pressure has increased in all parts of W. Europe except the north of Scandinavia, but the barometer is now falling at all the more N. stations, while it still rises in the S. Readings are highest in the W. and lowest over the Baltic, but small subsidiary disturbances are shown over the North Sea, the English Channel, and NW. of France. **Warnings.** The N. low was raised in the SW. and S. yesterday afternoon and re-raised in the E. Coasts have been lowered again this morning.

DAILY WEATHER REPORT

Nov 5 8th

1878.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 320 P. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12).		Reading at 320 P. 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 ...	29.26	33	SE	2	0	29.28	+ .02	31	30	- .4	NE	2	0	*	36	30	-		
Hernösand ...	29.15	29	NNH	2	0	29.20	+ .03	26	26	- .6	Z	0	0	*	*	*	-		
Stockholm ...	29.12	32	SH	4	0	29.33	+ .24	28	27	- .5	NNH	4	0	*	*	*	0.08		
Wisby ...	29.21	35	H	6	1	29.38	+ .19	36	33	+ .1	NH	8	0	*	*	*	0.08		
Christiansund ...	29.22	36	SSH	6	0	29.14	+ .27	35	34	0	SSH	4	0	5	36	30	0.20		
Skudesnaes ...	29.42	35	NNH	1	0	29.47	+ .07	30	29	- .6	NNH	1	0	1	37	?	-		
Oxö (Xtiansand) ...	29.38	36	NNH	4	0	29.46	+ .13	30	28	- .7	NNH	4	0	2	41	28	-		
Skagen (The Seaw) ...	29.38	40	NNE	2	0	29.47	+ .21	37	36	0	SSH	3	0	2	41	30	0.04		
Fanö ...	29.47	36	SSH	1	0	29.53	+ .19	39	38	+ .2	Z	0	0	*	39	34	0.08		
Cuxhaven ...	29.44	42	H	3	1	29.63	+ .26	38	38	+ .1	SSH	3	0	*	?	26	0.04		
Sumburgh Head ...	29.56	34	H	2	0	29.38	- .32	34	34	- .2	SSH	5	0	4	38	30	0.01		
Stornoway ...	29.65	35	NH	1	0	29.69	- .12	34	34	- .4	NE	7	0	6	?	34	0.10		
Thurso ...	29.64	37	N	4	0	29.61	- .16	38	37	- .1	N	5	0	5	43	33	0.19		
Wick ...	29.60	32	NNH	1	0	29.61	- .14	33	31	- .3	NH	2	0	2	41	28	0.02		
Nairn ...	29.63	35	NNH	1	0	29.62	- .18	36	34	- .3	NNE	4	0	3	41	33	0.02		
Aberdeen ...	29.62	38	NH	2	0	29.54	- .18	36	34	- .1	NNH	3	0	2	41	34	0.07		
Leith ...	29.64	39	SSH	3	0	29.47	- .30	39	38	0	NE	4	0	*	48	34	0.26		
Shields ...	29.69	42	NH	2	0	29.39	- .33	37	36	- .2	NNH	1	0	3	44	36	0.10		
Scarborough ...	29.71	39	SSH	3	0	29.39	- .28	39	39	- .6	SH	1	0	2	46	38	0.35		
York ...	29.73	40	H	1	0	29.39	- .31	39	39	+ .1	S	1	0	*	45	36	0.25		
Nottingham ...	29.77	37	H	3	0	29.39	- .37	41	40	+ .4	SSH	2	0	*	46	32	0.21		
Ardrossan ...	29.64	43	NNH	2	1	29.47	- .34	37	34	- .3	NNE	4	0	2	46	32	0.17		
Greencastle ...	29.69	42	SH	2	0	29.55	- .32	39	37	+ .1	NNE	2	0	*	47	34	0.54		
Donaghadee ...	29.69	42	H	3	0	29.44	- .41	40	40	+ .1	NNE	7	0	5	46	36	0.19		
Kingstown ...	29.81	44	H	4	0	29.45	- .43	39	38	+ .1	NNH	4	0	4	44	37	0.06		
Holyhead ...	29.78	46	E	3	0	29.38	- .46	44	41	- .2	NH	5	0	4	48	43	0.09		
Liverpool (Hedston) ...	29.76	41	SSH	2	0	29.26	- .44	40	38	- .1	H	2	0	3	46	40	0.09		
Valencia ...	29.93	45	NNH	2	0	29.78	- .21	46	42	+ .5	NNH	7	0	6	52	40	0.09		
Roche's Point ...	29.92	45	NNH	3	0	29.60	- .36	45	42	+ .6	NNH	8	0	5	49	39	0.10		
Pembroke ...	29.86	46	NNH	2	0	29.42	- .43	46	42	+ .4	NNH	8	0	5	49	41	0.18		
Portishead ...																			
Scilly ...	29.93	48	NNH	4	0	29.68	- .18	50	45	+ .2	NNH	10	0	7	50	45	0.15		
Plymouth ...	29.88	43	NNH	1	0	29.56	- .26	44	43	+ .7	H	6	0	*	50	34	0.08		
Hurst Castle ...	29.82	42	NH	1	0	29.54	- .21	47	46	+ .11	SSH	6	0	6	48	34	0.05		
Dover ...	29.77	42	NNH	4	0	29.61	- .02	43	41	+ .4	SSH	4	0	3	46	37	0.03		
London ...	29.81	43	NH	2	0	29.47	- .22	43	40	+ .5	SSH	3	0	*	47	31	0.01		
Oxford ...	29.81	38	H	1	0	29.48	- .27	42	41	+ .5	SH	3	0	*	46	34	0.10		
Cambridge ...	29.77	37	N	1	0	29.49	- .20	39	38	+ .2	S	1	0	*	50	31	0.08		
Yarmouth ...	29.61	41	NH	4	0	29.53	- .03	40	39	- .2	SSH	3	0	3	46	35	0.15		
The Helder ...	*	*	*	*	*	29.58	+ .19	45	42	+ .4	SH	3	0	*	*	*	0.12		
Cape Gris Nez ...	29.79	45	N	4	0	29.63	- .03	46	45	+ .3	SH	6	0	5	?	41	0.04		
Jersey ...	29.89	43	NH	2	0	29.73	- .08	48	45	+ .5	SH	7	0	6	48	42	0.13		
Brest ...	29.95	50	NE	2	0	29.90	+ .02	50	45	+ .7	H	5	0	4	?	37	-		
L'Orient ...	29.94	46	N	3	0	29.93	+ .09	46	?	0	NNH	5	0	4	52	39	-		
Rochefort ...	29.91	52	SH	2	1	30.02	+ .20	45	43	0	SSE	2	0	3	59	37	0.08		
Biarritz ...	29.93	52	NH	3	0	30.06	+ .19	46	43	- .6	SSH	3	0	3	55	43	0.12		
Corunna ...	*	*	*	*	*									*	*	*	*		
Brussels ...	*	*	*	*	*	29.76	+ .20	39	37	+ .1	SSH	4	0	*	44	26	0.35		
Charleville ...	*	*	*	*	*	29.83	+ .25	37	*	0	SSE	3	0	*	*	*	*		
Paris ...	29.93	52	?	3	0	29.96	+ .26	39	38	0	NH	2	0	*	*	*	-		
Lyons ...	*	*	*	*	*	30.05	+ .24	44	*	- .4	E	2	0	*	*	*	*		
Toulon ...	29.90	41	NH	5	0	30.04	+ .22	43	37	+ .4	NH	4	0	4	50	39	-		

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.40	37	34	NNH	4	0	2	Valencia	29.98	52	47	NNH	2	0c	3
Thurso	29.70	39	38	N	4	0	3	Scilly	29.93	49	46	NNE	4	0c	3
Scarborough ...	29.72	43	42	NNH	3	1	4	London	29.78	46	42	NN	2	0c	#
Greencastle ...	29.80	44	42	N	2	0	*	Rochefort ...	29.87	55	50	NNH	1	0c	3
Holyhead	29.83	47	43	NN	4	0	3								

Pressure is decreasing except in the S. and E. of England. The wind is backing slightly in the NN.

Mullaghmore	29.74	46	H	5	0		29.61	- .32	43	41	- .2	NNE	6	0	4	48	39	0.36
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EXPLANATION OF COLUMNS.

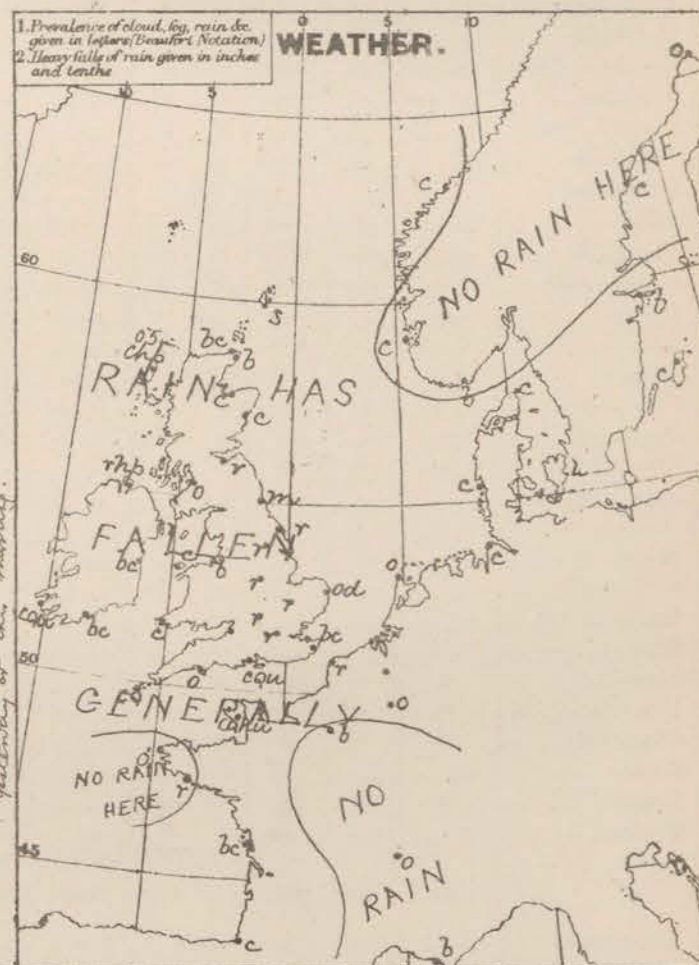
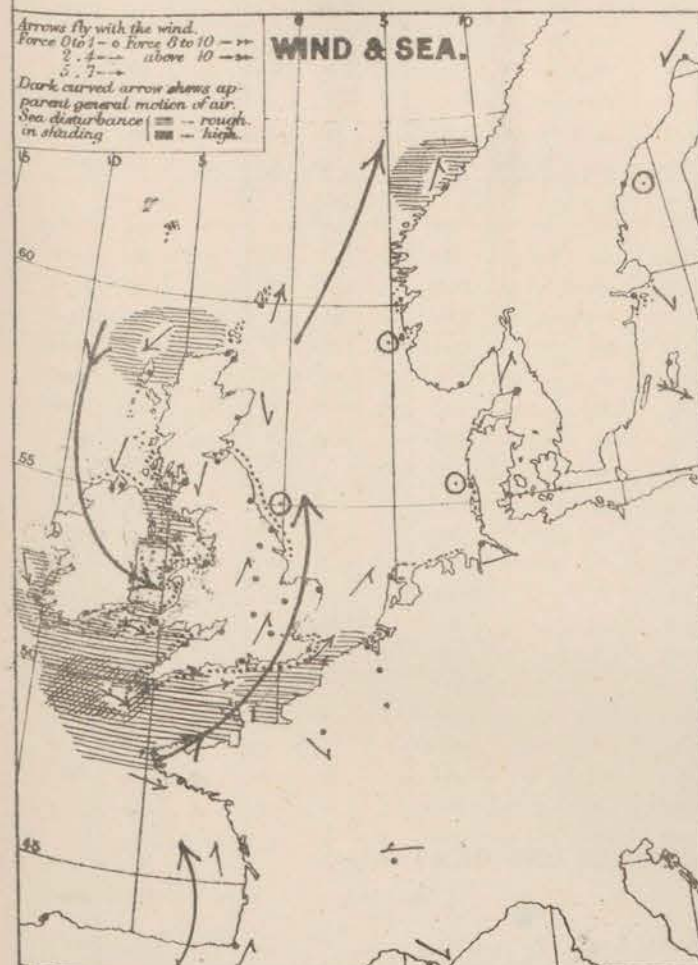
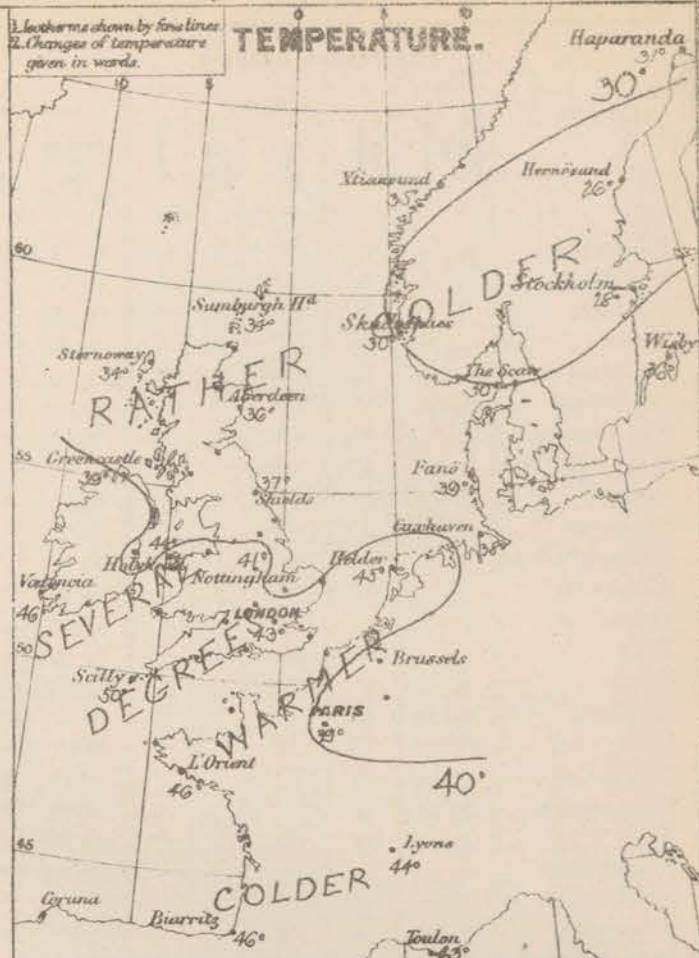
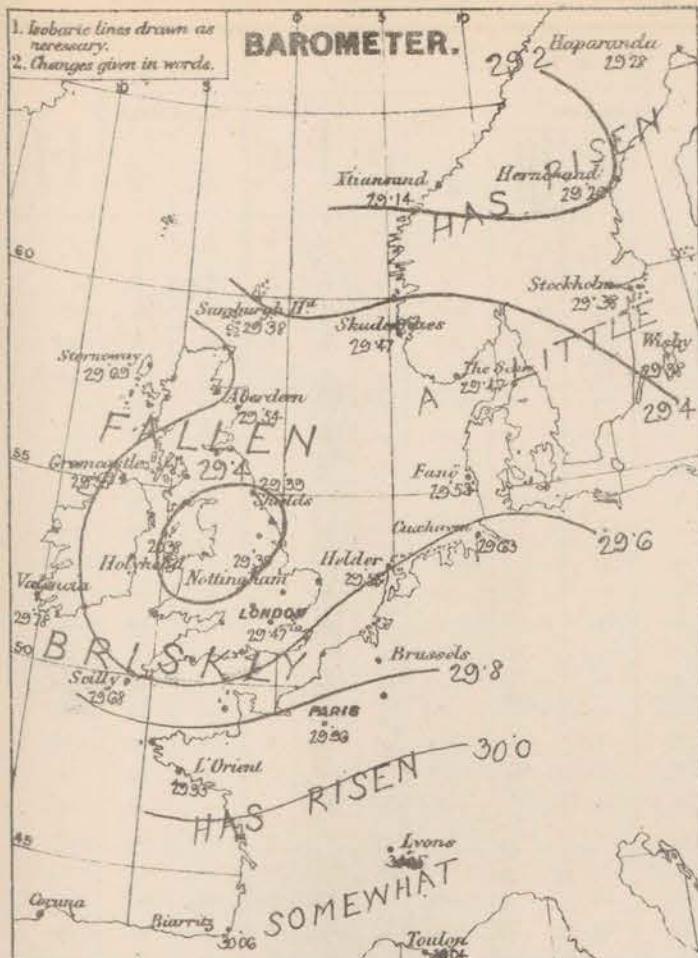
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 8th Nov^r 1878.



Note: A dotted line drawn round these coasts which were warned yesterday of this morning.

REMARKS. Weather is fair in some parts of France, at Liverpool and in Leithness but is cloudy or dull in nearly all other places; rain is falling over the whole of the east of England and at Leith, snow is reported in the Shetlands, hail at Stornoway, Greenest and Jersey. Rain has occurred generally during the past 24 hours. Temperature has risen at all our more southern stations, and fallen in the north and over Scandinavia; it at present varies from 50° at Killy to 33° at Wick; during last night the thermometer fell to 20° at Wick and to about 32° over Central England. In London it fell to 31° in the shade and 19° on the grass. Wind is NE^{ly} in the north, N^{ly} in the west, and W^{ly} to SW^{ly} in the south; it is fresh or strong in force except in the north east, and blows a fresh to strong gale in the south west. Sea is rough in the north, west and south.

Barometrical Indications. Pressure has increased over Sweden, the eastern shores of the North Sea and France, fallen elsewhere. The change amounts to about half an inch at Holyhead, and a rather deep depression has advanced to the north of England from the NW.

Warnings. Our north west and north east coasts were warned last evening, and the following message has now been sent to our south west and south coasts:— "Hard NW^{ly} gale likely. Barometer falling briskly north west. Hoist black cone for W^{ly} to N. gale. Friday 10 a.m."

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

Nov^r 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. 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.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.				
Haparanda ...	29.86	21	Z	0	δ	29.50	+22	32	32	+1	SH	2	5	*	7	19	—		
Hernösand ...	29.40	19	Z	0	δ	29.51	+31	?	?	?	Z	0	δ	*	*	*	—		
Stockholm ...	29.84	30	SH	2	δ	29.63	+30	31	31	+3	SH	2	δ	*	*	*	—		
Wisby ...	29.68	37	SH	4	0	29.67	+79	40	39	+4	W	2	0	*	*	*	0.16		
Christiansund ...	29.29	36	WSTH	4	δ	29.50	+36	35	34	0	SH	4	3	4	36	18	0.75		
Skudesnaes ...	29.84	36	NNN	2	0	29.70	+23	37	33	+7	NNN	6	0	3	37	30	0.12		
Oxö (Xtiansand) ...	29.53	33	NNN	2	0	29.62	+16	32	29	+2	W	2	δ	1	36	28	—		
Skagen (The Sea) ...	29.84	36	WSTH	2	δ	29.63	+16	35	?	-2	Z	0	δ	1	41	27	—		
Fanö ...	29.49	40	S	4	†	29.71	+18	36	36	-3	N	4	†	*	43	34	1.45		
Cuxhaven ...	29.60	42	S	3	0	29.64	+01	41	40	+3	ESE	1	0	*	2	36	0.01		
Sumburgh Head ...	29.71	36	NNE	5	0	29.88	+50	33	32	-1	N	7	5	6	38	31	0.08		
Stornoway ...	29.83	34	NNE	5	S	29.95	+26	32	32	-2	Z	0	0	2	37	30	0.08		
Thurso ...	29.74	42	NN	7	0	29.99	+38	33	33	-5	WSTH	2	5	5	42	32	0.19		
Wick ...	29.75	38	NNE	6	0	29.97	+36	30	29	-3	N	1	0	1	40	29	0.19		
Nairn ...	29.75	35	NN	5	0	30.02	+40	30	30	-6	W	1	0	3	39	30	0.12		
Aberdeen ...	29.65	34	NN	4	δ	30.01	+47	32	29	-4	W	2	δ	2	39	31	0.05		
Leith ...	29.75	35	N	3	δ	30.05	+58	34	33	-5	WSTH	2	δ	*	39	32	0.06		
Shields ...	29.67	40	NNE	8	0	30.07	+68	34	33	-3	NNN	3	δ	5	43	31	0.31		
Scarborough ...	29.55	41	N	8	†	30.04	+65	43	40	+4	NNN	2	δ	4	44	33	0.28		
York ...	29.53	39	N	4	†	30.08	+69	35	34	-4	N	2	δ	*	43	30	0.31		
Nottingham ...	29.55	37	NNN	7	†	30.03	+64	32	31	-9	Z	0	δ	*	47	30	0.07		
Ardrossan ...	29.81	37	NN	3	δ	30.09	+62	33	31	-4	E	1	δ	0	43	31	—		
Greencastle ...	29.90	36	NNN	2	csp	30.10	+55	36	33	-3	SH	2	δ	*	44	34	0.41		
Donaghadee ...	29.91	40	NNN	5	0	30.17	+73	33	33	-7	WSTH	4	δ	3	42	32	0.12		
Kingstown ...	29.92	39	NN	7	δ	30.20	+75	37	34	-2	W	4	δ	4	43	34	—		
Holyhead ...	29.82	43	NNE	7	0	30.16	+78	41	40	-3	?	2	0	2	46	38	0.12		
Liverpool (Bidston) ...	29.74	39	NNN	5	δ	30.14	+78	39	36	-1	NN	1	δ	2	43	38	0.13		
Valencia ...	30.13	43	N	5	c/p	30.26	+48	37	36	-9	S	1	δ	2	48	36	0.06		
Roche's Point... ..	30.09	43	NNE	6	δ	30.27	+67	41	39	-4	W	1	0	2	44	39	—		
Pembroke ...	29.85	44	N	8	δ	30.24	+82	42	37	-4	NNN	3	δ	3	46	39	0.02		
Portishead ...																			
Seilly ...	29.94	48	NNN	10	0	30.31	+63	45	44	-5	NN	5	0	5	51	44	0.01		
Plymouth ...	29.83	43	NN	5	δ	30.26	+70	35	34	-9	NN	2	δ	*	48	34	0.09		
Hurst Castle ...	29.87	43	NNN	6	δ	30.16	+62	38	36	-9	NNN	4	δ	4	48	34	0.13		
Dover ...	29.42	40	W	4	δ	30.06	+43	34	32	-9	NN	6	δ	3	48	33	0.53		
London ...	29.47	40	NN	5	0	30.12	+65	34	32	-9	NN	1	δ	*	45	33	0.11		
Oxford ...	29.54	41	NN	4	†	30.11	+63	35	33	-7	W	2	δ	*	43	32	0.20		
Cambridge ...	29.43	40	NN	3	†	30.10	+61	32	30	-7	NN	1	δ	*	44	29	0.24		
Yarmouth ...	29.31	39	NNN	4	†	29.96	+43	39	39	-1	NN	4	cug	δ	44	36	1.05		
The Helder ...	*	*	*	*	*	29.70	+12	43	41	-2	N	6	†	*	*	*	0.39		
Cape Gris Nez ...	29.46	45	W	7	0	30.03	+40	37	36	-9	NNN	7	δ	6	52	36	0.06		
Jersey ...	29.76	46	NN	9	0	30.28	+53	43	39	-5	NN	4	δ	5	51	41	0.31		
Brest ...	29.99	50	NNN	5	†	30.30	+40	45	37	-5	N	3	0	3	54	39	0.08		
L'Orient ...	29.96	48	NN	6	†	30.34	+41	45	?	-1	NNN	3	δ	3	55	44	0.04		
Rocheport ...	29.93	54	NN	8	0	30.29	+27	48	46	+3	NNN	5	0	3	63	37	0.12		
Biarritz ...	30.15	54	W	6	†	29.95	-11	52	46	+6	E	1	0	4	55	45	0.24		
Corunna ...	*	*	*	*	*										*	*	*		
Brussels ...	*	*	*	*	*	29.75	-01	41	40	+2	NNN	7	†	*	49	34	0.71		
Charleville ...	*	*	*	*	*	29.75	-08	37	*	0	NNN	6	c/p	*	*	*	*		
Paris ...	29.69	42	?	3	†	30.20	+24	39	35	0	?	2	δ	*	*	*	0.39		
Lyons ...	*	*	*	*	*	30.03	-02	48	*	+4	NN	7	?	*	*	*	*		
Toulon ...	30.10	45	NN	4	δ	30.17	+13	45	39	+2	NN	5	δ	6	54	41	—		

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.51	37	34	NNN	2	0	Valencia ...	30.04	44	41	N	6	c/p
Thurso ...	29.62	36	36	W	5	spg	Seilly ...	29.83	49	46	NNN	10	0
Scarborough ...	29.38	43	42	NE	4	†	London ...	29.89	43	41	NNN	4	0
Greencastle ...	29.77	40	38	N	3	oh/p	Rocheport ...	29.96	58	50	W	6	0
Holyhead ...	29.63	44	41	NN	7	0							

Pressure still decreases somewhat in the east of England, but is increasing briskly in the west. A fresh NE. gale is reported from Shields, and a fresh to strong N.W. gale in the south-west. Rain is falling on our north-east coast, hail in Ireland.

Mullaghmore	30.00	44	NNN	6	δ	30.14	+53	40	38	-3	WSTH	4	0	3	44	37	0.10
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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.

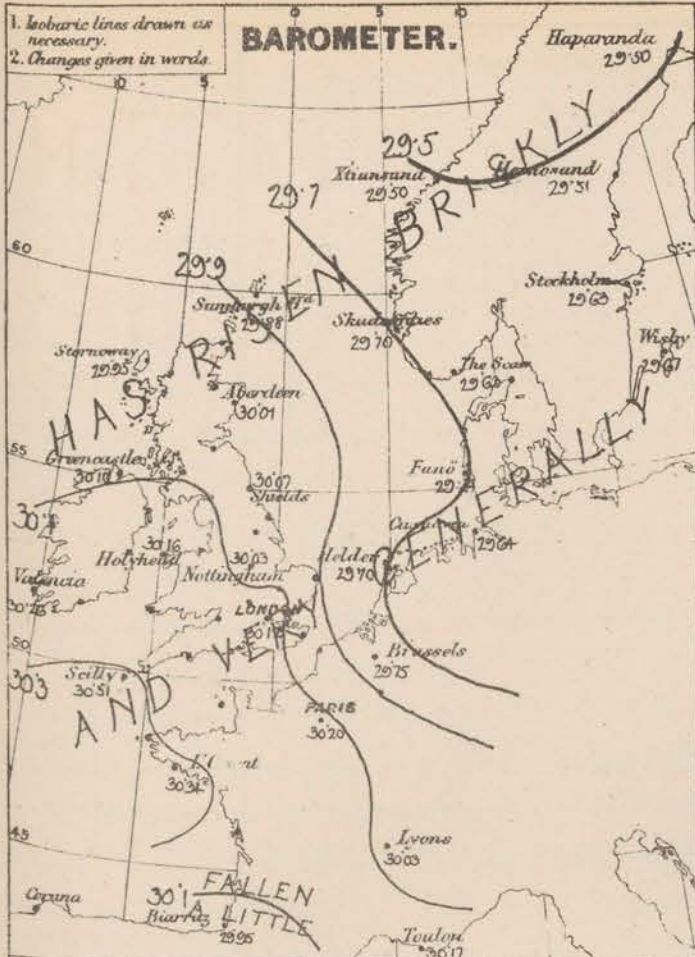
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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 9TH Nov^R 1878.

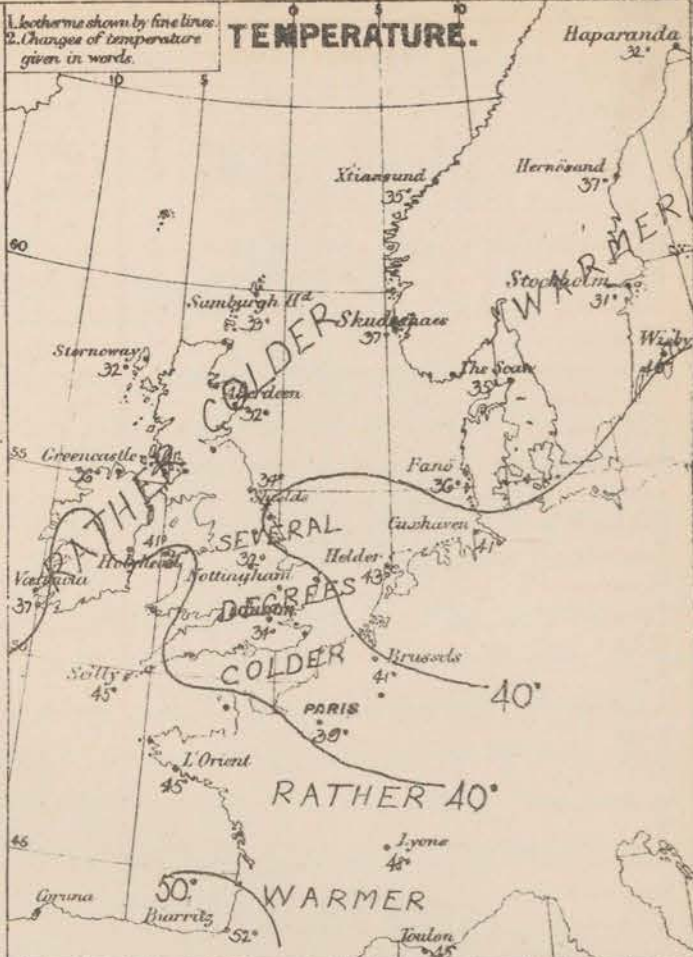
1. Isobaric lines drawn as necessary.
2. Changes given in words.

BAROMETER.



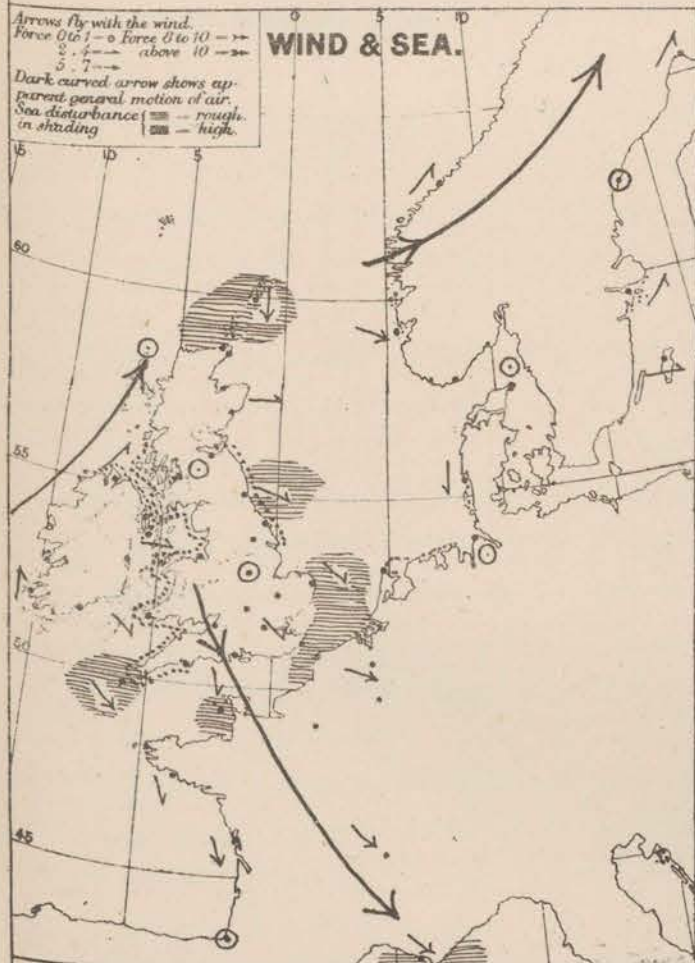
1. Isotherms shown by fine lines.
2. Changes of temperature given in words.

TEMPERATURE.



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

WIND & SEA.



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

WEATHER.



Note: A dotted line is drawn round these coasts on which the signs are still flying.

REMARKS.

Weather is exceedingly fine over nearly the whole of these islands but is more cloudy on the Continent; snow is falling in the north of Holland at Christenmund and Haparanda, rain in the Netherlands and at Fano, mist is reported from Yarmouth and Aberdeen, fog from Stockholm. Rain has fallen generally, and showers of sleet, snow and hail have occurred in the east and north. Thunder was heard at Nottingham, Jersey and Wick. Temperature has fallen except in the south of France and over Scandinavia; the change over these islands has been remarkable, especially in the south east of England and readings now vary from 45° at Hilby to 32° over Central England and to 30° at Wick; during last night the thermometer in the shade fell to 20° at Wick and Cambridge and to between 30° and 32° at the inland and Scotch stations. In London the minimum in the shade was 33° and that in the sun 25°. Wind is N by N on most coasts but is W to NW over Sweden and Norway, while a SE breeze is appearing at our western stations. It is moderate or light except in the north east of France and over Belgium. A fresh to strong gale was experienced in the south west, and on east yesterday or last night. Sea is rough except in the west.

Barometrical Indications. Pressure has increased in all parts of Western Europe except the Netherlands, and the depression noticed over the north of England yesterday is now disappearing over Central Europe. Over these islands the rise of the barometer has been very rapid but in the north west it has slackened very considerably during the past night.

Fogging. Our east coast was hazy yesterday afternoon but the signs have now been lowered in the east and south.

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

SUMMARY OF WEATHER IN WESTERN EUROPE

from NOV^R 3^R to NOV^R 9TH 1878.

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

During this week—and more particularly towards its close—the changes in pressure have been considerable and important. Readings have been generally highest to the westward of Ireland, while a large depression has been shown over the Baltic or Scandinavia. In addition to this main depression, subsidiary disturbances have passed SE^W over or near these Islands. At first they were comparatively slight, and the N^W wind which has prevailed generally was not very strong except in the east. That on the night of the 5th, however, occasioned moderate or fresh gales in several places. After its passage the barometer rose somewhat, and moderate N^W breezes prevailed during Thursday morning. On Thursday^{evening} the mercury was falling briskly in the N^W with a S^W wind, and a deep depression passed SE^W over England, causing fresh to strong N^W gales in its rear on all but our N^W coasts. As this disturbance passed away over Germany the mercury rose exceedingly rapidly, but during Saturday a fall of half an inch took place in the N^W; a deep depression advanced to those coasts and fresh S^W gales sprang up. Temperature has been low and frosts have been experienced on many nights. Weather has been unsettled, with rain and showers of snow.

SUNDAY NOV^R 3^R

Weather moderately fair except in the N. of Scotland and N. of Norway, snow and hail falling at Christiansund, fog prevailing in the Netherlands. Some rain in the N. and N. during the day.

Temperature rather higher in many places than on the 2nd. Readings very uniform. The minimum over the British Isles in the following night 31° at Nottingham and in London.

Winds still N^W on most coasts, light or moderate in force except at Cape Gris Nez, where it is fresh and Christiansund, where a gale is blowing.

Sea moderate to slight except at Christiansund and Toulon.

Barometer rising over France, falling over these Islands, and to the E^W of the North Sea. Pressure highest off the N. of Ireland, lowest over the Baltic but gradient not steep.

MONDAY NOV^R 4TH

Weather rather cloudy except at some of our inland stations, at Dorset and Ashdown; rain falling at Scarborough and Holyhead and a good deal of fog and mist prevailing over England. Some rain subsequently in most districts.

Temperature fallen slightly on the E^W shores of the North Sea, and several degrees at Biarritz, risen somewhat elsewhere. Minimum over Central England in night about 33°.

Winds continuing N^W and moderate in force, except at Sully. Wind rising later in the day and reaching a fresh N^W gale on the E. coast at night.

Sea moderate to smooth.

Barometer rising over the Gulf of Bothnia and at Toulon, falling briskly over these Islands. Decrease lasting all day in the S. but a recovery commencing in the N. in the evening, and extending S^W in the night. Depressions over the Baltic and subsidiary disturbances in Holland.

TUESDAY NOV^R 5TH

Weather moderately fair over the greater part of Western Europe, but hail falling at Dover, and rain at Aberdeen, Cambridge, and some French stations. Sky more cloudy later in day and rain falling generally.

Temperature slightly lower in the N., and higher in the E. than on the 4th; not much change elsewhere. Readings varying from 48° at Sully to 37° at Oxford and falling in following night to about 34° at our inland stations.

Winds N^W on nearly all coasts, generally moderate or fresh in force, but blowing strongly at Sully, Dover and in the Baltic, and increasing considerably in the N. during the day and following night.

Sea moderate to slight except in the S^W, N^E, and in the Skager Rack.

Barometer rising at our S^W stations, falling elsewhere. Readings highest to the N^W of Ireland, lowest over the Baltic. Fall of the barometer becoming brisk in E. of Scotland during the afternoon.

WEDNESDAY NOV^r 6th

Weather moderately fine at most of our stations, cloudy or dull on the Continent; hail falling at Harmouth, rain at Seabright Head, sleet at Brussels, snow in Sweden. Rain occurring subsequently except in the N. and S. of England.

Temperature risen except in E. and SE. Readings uniform. Minima in following night about 35° at our inland stations.

Wind still N^W (NW. to NE) in direction, fresh to strong on our coast, and blowing a gale in the Shetlands; falling rather lighter in most places during the day, but rising to a fresh gale on our NE. coasts and at Scilly.

Sea high in the N. and rough on many parts of our coast.

Barometer beginning to rise in the NE., falling briskly elsewhere. Large depression still lying over the Baltic; a small subsidiary disturbance over the North Sea, travelling SE^W.

THURSDAY NOV^r 7th

Weather rainy and foggy in North Germany, at some of our E. coast stations, and at Biarritz, snow falling at Christiansund, but sky moderately clear elsewhere. Rain during following night at all our stations, snow in north.

Temperature risen slightly over Scandinavia and at Biarritz, fallen at most other places, very uniform over these Islands. Minima between 30° and 34° at our Island and northern stations.

Wind N^W in our Islands generally, but drawing into S. and SW. in the N. of France and over N. Germany, moderate in force.

Wind backing to N. and SW. on our NW. coasts in the evening.

Sea rough in the NE. and in the Minch.

Barometer rising except in N. Depressions still shown over the North Sea and the Baltic, and new one advancing to our NW. coasts at night.

FRIDAY NOV^r 8th

Weather cloudy and unsettled in all places, rain over the E. of England, snow in the Shetlands, hail in the Hebrides, Rain, hail and snow showers general later in the day.

Temperature much higher at 8 am. over the S. of England and the Channel than on the 7th lower elsewhere, still uniform. Minima in following night between 30° and 33° in the inland and NW. districts.

Wind NE^W in the N., N^W in the N., and NW. to SW. in the S.; strong generally and blowing a gale in the SW. Fresh to strong N^W gale in most places during the day and evening.

Sea rough or high in N., NW., and S.

Barometer falling quickly over these Islands rising on the Continent, deep depression over NW. of England, and moving SE^W; barometer rising quickly in evening.

SATURDAY NOV^r 9th

Weather exceedingly fine over the greater part of the country, but dull at some of our NW. and N. stations, and cloudy on the Continent. Snow falling at Christiansund, the Shetlands and Thurso. Weather becoming very unsettled in evening.

Temperature risen over France, fallen over these Islands - several degrees in the SE., but rising again during the day. Readings as low as 32° at Cambridge, and 30° in the NE of Scotland. Frost experienced at inland and Lough stations during the night.

Wind NW^W generally, but backing to S. in Ireland. The N^W wind moderate on most coast, but strong in the SE.; SW^W gales springing up in the N. and NW. in the evening and spreading over us during night.

Sea rough E and SW.

Barometer risen rapidly in most places but increase checked in NW., and very large and sudden fall in progress there during day. Deep depression advancing over our NW. districts from N.

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

DAILY WEATHER REPORT NOV 10TH 1878.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 320 ft. 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 320 ft. 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 ...	29.63	28	SE	2	c	29.76	+ .26	26	25	- 6	Z	0	f	*	32	25	0.32		
Hernösand ...	29.73	12	Z	0	b	29.77	+ .26	9	8	?	Z	0	f	*	*	*	-		
Stockholm ...	29.69	34	SH	2	c	29.65	+ .02	34	34	+ 3	W	2	f	*	*	*	-		
Wisby ...	29.73	37	SSH	6	bc	29.71	+ .04	39	36	- 1	NNH	7	bc	*	*	*	0.16		
Christiansund ...	29.68	37	W	5	bc	29.63	+ .13	32	31	- 3	ESE	4	b	4	37	28	0.28		
Skudesnaes ...	29.77	34	Z	0	bc	29.43	- .27	41	37	+ 4	ESE	8	0	5	?	34	-		
Oxö (Xtiansand)	29.75	35	W	4	b	29.63	+ .01	35	32	+ 3	ENE	4	0	3	39	30	-		
Skagen (The Seaw)	29.72	36	NNH	2	b	29.73	+ .10	39	36	+ 4	SH	2	0	0	39	28	-		
Fanö ...	29.89	39	W	4	b	29.67	- .04	42	40	+ 6	SSH	6	c	*	43	36	0.12		
Cuxhaven ...	29.92	42	N	2	c	29.85	+ .21	46	?	+ 5	SSH	4	0	*	?	34	0.05		
Sumburgh Head	29.78	29	ENE	1	bc	29.12	- .76	40	39	+ 7	E	8	f	7	41	28	0.25		
Stornoway	29.43	41	SSE	8	f	29.01	- .94	39	39	+ 7	N	3	bc	4	42	32	0.53		
Thurso ...	29.70	35	SSE	2	0	29.04	- .95	31	31	- 2	SSE	1	bc	4	37	27	0.43		
Wick ...	29.69	39	S	5	0	29.02	- .95	32	31	+ 2	NNH	1	bc	2	41	28	0.30		
Nairn ...	29.68	36	W	2	f	29.05	- .97	37	36	+ 5	W	1	b	2	40	30	0.07		
Aberdeen ...	29.77	35	SH	2	0	29.06	- .95	34	33	+ 2	SSH	1	b	3	42	32	0.38		
Leith ...	29.82	39	SSH	3	0	29.10	- .95	43	42	+ 9	SSH	4	c	*	47	32	0.25		
Shields ...	29.96	39	SSH	4	0	29.21	- .86	43	41	+ 9	SSH	3	b	3	44	39	0.07		
Scarborough	30.04	38	SH	2	0	29.25	- .79	43	42	0	SSH	4	b	3	44	37	0.08		
York ...	30.07	40	S	1	0	29.28	- .80	43	42	+ 8	SH	1	bc	*	44	34	0.15		
Nottingham ...	30.11	40	SH	3	0	29.35	- .68	46	46	+ 14	SSH	1	f	*	34	32	0.28		
Ardrossan ...	29.75	43	SSH	8	f	29.12	- .97	48	45	+ 15	SH	4	c	3	50	33	0.53		
Greencastle ...	29.70	39	SSH	4	f	29.04	- 1.06	42	42	+ 6	SH	3	0	*	47	35	0.21		
Donaghadee ...	29.79	40	SSH	3	f	29.21	- .96	41	41	+ 8	SSH	4	bc	3	47	33	0.34		
Kingstown ...	29.87	44	S	4	f	29.31	- .89	46	44	+ 9	W	4	bc	4	52	36	0.41		
Holyhead ...	29.94	45	SSH	5	f	29.36	- .86	47	46	+ 6	SSH	4	c	3	52	40	1.03		
Liverpool (Bidston)	30.01	40	S	2	0	29.29	- .85	45	44	+ 6	SSH	2	0	2	50	39	0.47		
Valencia ...	29.85	51	SSH	8	0	29.42	- .84	47	45	+ 10	NNH	5	cq	5	54	36	1.05		
Roche's Point...	29.89	50	SH	7	f	29.39	- .88	48	46	+ 7	W	4	bc	4	52	41	0.92		
Pembroke ...	30.07	48	SSH	7	0	29.36	- .88	51	50	+ 9	NNH	4	f	6	53	46	0.99		
Portishead ...																			
Scilly ...	30.21	49	SH	6	0	29.62	- .69	53	53	+ 8	SH	9	f	6	53	46	0.09		
Plymouth ...	30.21	44	Z	0	0	29.59	- .67	57	50	+ 16	SH	8	0	*	53	34	0.17		
Hurst Castle ...	30.20	45	W	3	0	29.52	- .64	52	51	+ 14	SSH	10	f	7	52	36	0.19		
Dover ...	30.22	38	NNH	4	b	29.66	- .40	49	48	+ 15	SH	8	0	6	49	33	0.19		
London ...	30.20	40	W	1	bc	29.56	- .56	48	47	+ 14	SH	8	0	*	49	34	0.24		
Oxford ...	30.17	40	W	1	0	29.47	- .64	57	49	+ 16	SSH	6	f	*	57	35	0.18		
Cambridge ...	30.15	36	SH	1	0	29.43	- .67	48	47	+ 16	SSH	4	0	*	48	31	0.28		
Yarmouth ...	30.16	39	W	2	c	29.46	- .50	45	45	+ 6	SSH	6	0	4	46	36	0.31		
The Helder ...	*	*	*	*	*	29.65	- .05	42	40	- 1	S	5	f	*	*	*	0.12		
Cape Gris Nez	30.22	45	NNH	2	W	29.72	- .31	46	46	+ 9	SSH	9	f	7	46	41	0.08		
Jersey ...	30.34	46	W	3	0	29.83	- .45	50	48	+ 7	SH	8	0	7	50	42	-		
Brest ...	30.34	50	W	3	0	29.92	- .38	52	50	+ 7	SSH	6	W	5	?	43	-		
L'Orient ...	30.36	45	NNH	2	c	30.03	- .31	48	?	+ 3	W	5	f	4	52	43	-		
Rochefort ...	30.41	50	NW	2	bc	30.17	- .12	46	43	- 2	S	5	c	3	59	41	-		
Biarritz ...	30.38	54	ENE	2	b	30.15	+ .20	39	36	- 13	ESE	3	b	3	57	36	-		
Corunna ...	*	*	*	*	*				*						*	*	*		
Brussels ...	*	*	*	*	*	29.88	+ .13	40	36	- 1	SSH	6	0	*	45	37	0.12		
Charleville ...	*	*	*	*	*	30.03	+ .28	37	*	0	SSH	3	0	*	*	*	*		
Paris ...	30.38	61	NNH	3	b	30.08	- .12	40	38	+ 1	SH	4	0	*	*	*	-		
Lyons ...	*	*	*	*	*	30.01	+ .28	41	*	- 7	SE	2	c	*	*	*	*		
Toulon ...	30.25	43	NNH	8	b	30.27	+ .10	43	37	- 2	Z	0	b	4	48	37	-		

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.57	37	34	NNH	2	c	2	Valencia	30.07	50	46	SSH	7	ow	6
Thurso	29.89	38	38	SSE	1	o	4	Scilly	30.30	49	45	SH	5	c	4
Scarborough ...	30.10	41	40	SSH	2	o	3	London	30.21	44	40	NW	2	b.	*
Greencastle ...	29.99	39	36	SSH	3	o	*	Rochefort ...	29.96	55	50	W	6	c	3
Holyhead	30.13	43	38	SSH	3	cph	2								

Pressure is giving way quickly in the west and north-west, and the wind is increasing rapidly at Valencia. Warnings have again been issued to our S. and E. coasts, and to the South of Ireland. On our NW. and NE. coasts they are already up.

Mullaghmore	29.60	45	SH	8	f	29.20	- .94	46	45	+ 6	W	5	bc	4	37	38	0.67
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EXPLANATION OF COLUMNS.

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

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

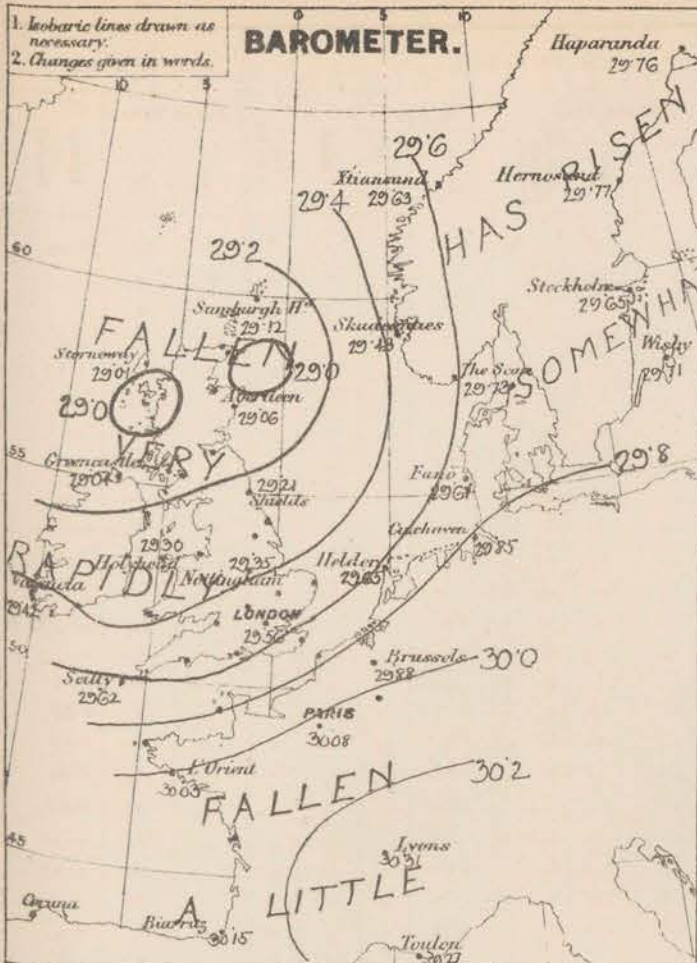
The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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

WEATHER CHARTS for 8 a.m. on Sunday 10TH NOV^R 1878.

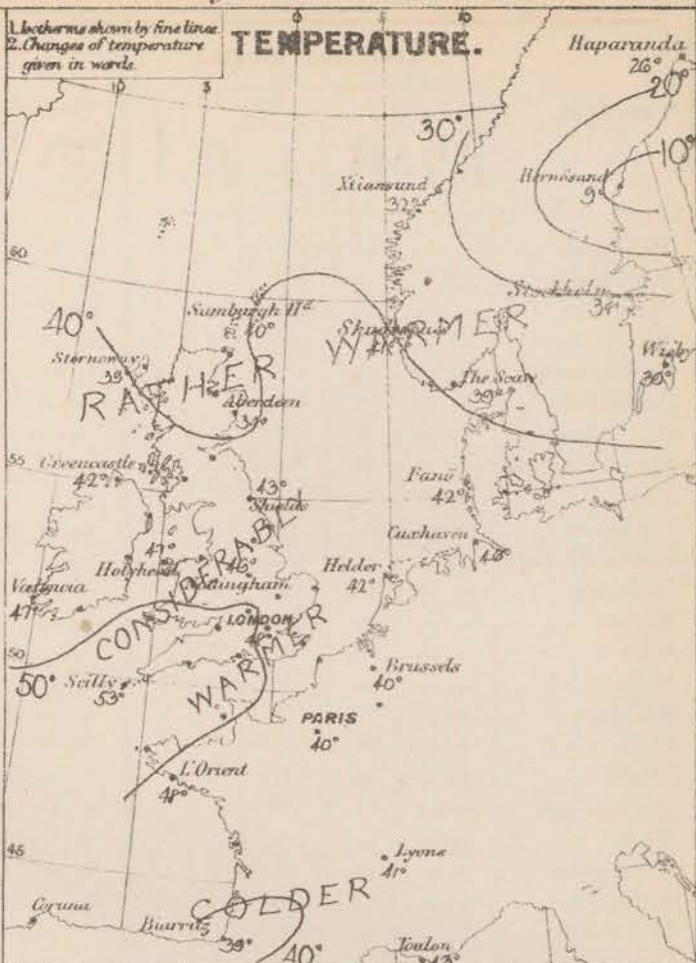
1. Isobaric lines drawn as necessary.
2. Changes given in words.

BAROMETER.



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

TEMPERATURE.



1. Arrows fly with the wind.
2. Force 0 to 10 —
3. 11 to 20 —
4. 21 to 30 —
5. 31 to 40 —
6. 41 to 50 —
7. 51 to 60 —
8. 61 to 70 —
9. 71 to 80 —
10. 81 to 90 —
11. 91 to 100 —
12. 101 to 110 —
13. 111 to 120 —
14. 121 to 130 —
15. 131 to 140 —
16. 141 to 150 —
17. 151 to 160 —
18. 161 to 170 —
19. 171 to 180 —
20. 181 to 190 —
21. 191 to 200 —
22. 201 to 210 —
23. 211 to 220 —
24. 221 to 230 —
25. 231 to 240 —
26. 241 to 250 —
27. 251 to 260 —
28. 261 to 270 —
29. 271 to 280 —
30. 281 to 290 —
31. 291 to 300 —
32. 301 to 310 —
33. 311 to 320 —
34. 321 to 330 —
35. 331 to 340 —
36. 341 to 350 —
37. 351 to 360 —
38. 361 to 370 —
39. 371 to 380 —
40. 381 to 390 —
41. 391 to 400 —
42. 401 to 410 —
43. 411 to 420 —
44. 421 to 430 —
45. 431 to 440 —
46. 441 to 450 —
47. 451 to 460 —
48. 461 to 470 —
49. 471 to 480 —
50. 481 to 490 —
51. 491 to 500 —
52. 501 to 510 —
53. 511 to 520 —
54. 521 to 530 —
55. 531 to 540 —
56. 541 to 550 —
57. 551 to 560 —
58. 561 to 570 —
59. 571 to 580 —
60. 581 to 590 —
61. 591 to 600 —
62. 601 to 610 —
63. 611 to 620 —
64. 621 to 630 —
65. 631 to 640 —
66. 641 to 650 —
67. 651 to 660 —
68. 661 to 670 —
69. 671 to 680 —
70. 681 to 690 —
71. 691 to 700 —
72. 701 to 710 —
73. 711 to 720 —
74. 721 to 730 —
75. 731 to 740 —
76. 741 to 750 —
77. 751 to 760 —
78. 761 to 770 —
79. 771 to 780 —
80. 781 to 790 —
81. 791 to 800 —
82. 801 to 810 —
83. 811 to 820 —
84. 821 to 830 —
85. 831 to 840 —
86. 841 to 850 —
87. 851 to 860 —
88. 861 to 870 —
89. 871 to 880 —
90. 881 to 890 —
91. 891 to 900 —
92. 901 to 910 —
93. 911 to 920 —
94. 921 to 930 —
95. 931 to 940 —
96. 941 to 950 —
97. 951 to 960 —
98. 961 to 970 —
99. 971 to 980 —
100. 981 to 990 —
101. 991 to 1000 —
102. 1001 to 1010 —
103. 1011 to 1020 —
104. 1021 to 1030 —
105. 1031 to 1040 —
106. 1041 to 1050 —
107. 1051 to 1060 —
108. 1061 to 1070 —
109. 1071 to 1080 —
110. 1081 to 1090 —
111. 1091 to 1100 —
112. 1101 to 1110 —
113. 1111 to 1120 —
114. 1121 to 1130 —
115. 1131 to 1140 —
116. 1141 to 1150 —
117. 1151 to 1160 —
118. 1161 to 1170 —
119. 1171 to 1180 —
120. 1181 to 1190 —
121. 1191 to 1200 —
122. 1201 to 1210 —
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126. 1241 to 1250 —
127. 1251 to 1260 —
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138. 1361 to 1370 —
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197. 1951 to 1960 —
198. 1961 to 1970 —
199. 1971 to 1980 —
200. 1981 to 1990 —
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202. 2001 to 2010 —
203. 2011 to 2020 —
204. 2021 to 2030 —
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226. 2241 to 2250 —
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228. 2261 to 2270 —
229. 2271 to 2280 —
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235. 2331 to 2340 —
236. 2341 to 2350 —
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238. 2361 to 2370 —
239. 2371 to 2380 —
240. 2381 to 2390 —
241. 2391 to 2400 —
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303. 3011 to 3020 —
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506. 5041 to 5050 —
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545. 5431 to 5440 —
546. 5441 to 5450 —
547. 5451 to 5460 —
548. 5461 to 5470 —
549. 5471 to

DAILY WEATHER REPORT

NOV 11TH

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.		GRADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	GRADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 15).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 15).			Max.	Min.			
Haparanda	29.57	25	Z	0	0	29.78	- .03	33	33	+	7	E	2	0	*	34	19	-	
Hernösand	29.65	22	N	2	0	29.49	- .28	27	27	+	18	NNN	2	0	*	*	*	-	
Stockholm	29.64	31	N	2	0	29.37	- .28	36	35	+	2	SE	4	7	*	*	*	0.04	
Wisby	29.82	35	NNN	4	0	29.42	- .29	38	36	-	1	SSN	6	7	*	*	*	0.12	
Christiansund	29.30	34	ESE	2	bc	29.07	- .56	36	32	+	4	E	4	0	3	36	28	-	
Skudesnaes	29.00	43	E	7	0	28.82	- .61	41	37	0		E	4	0	4	43	41	0.04	
Oxö (Xmas. land)	29.43	40	SE	8	+	28.87	- .76	38	36	+	3	WSN	4	0	5	41	?	1.62	
Skagen (The Seal)	28.92	40	SSE	9	+	28.96	- .77	44	42	+	5	SSN	7	0	8	45	36	0.47	
Fanö	29.06	45	SN	8	+	29.05	- .62	45	44	+	3	WSN	6	7	*	48	37	0.83	
Cuxhaven	29.30	38	SSN	8	+	29.24	- .61	45	45	-	1	SN	6	0	*	?	34	0.48	
Sumburgh Head	28.98	38	NE	9	0	29.04	- .08	37	35	-	3	NNE	6	0	6	42	34	1.67	
Stornoway	29.19	40	N	9	+	29.38	+	37	30	-	9	N	7	5	7	42	30	0.17	
Thurso	29.24	43	N	7	0	29.19	+	15	35	+	4	NNN	7	spg	6	45	30	0.17	
Wick	28.93	40	N	7	0	29.19	+	17	32	0		NN	8	5	2	42	30	0.17	
Nairn	29.04	42	NN	5	d	29.33	+	28	34	32	-	3	NN	6	0	4	42	32	0.05
Aberdeen	28.96	40	N	1	b	29.18	+	12	36	35	+	2	NN	6	sp	4	44	34	0.39
Leith	29.00	45	N	3	b	29.30	+	20	37	36	-	6	NN	3	bc	*	48	36	0.08
Shields	29.03	44	SN	1	om	29.29	+	08	38	35	-	5	NNN	4	0	2	49	36	-
Scarborough	29.07	43	WSN	2	bc	29.31	+	06	39	37	-	4	NNN	4	0	3	46	39	0.01
York	29.10	42	NN	1	bc	29.35	+	07	39	37	-	4	N	2	bc	*	47	38	0.03
Nottingham	29.20	42	SN	1	+	29.43	+	08	39	38	-	7	SN	2	0	*	47	38	0.29
Ardrossan	29.07	45	NN	5	bc	29.41	+	29	39	34	-	9	NN	4	0	2	50	38	0.08
Greencastle	29.18	45	N	5	ow	29.52	+	48	36	35	-	6	N	4	5	*	47	35	0.31
Donaghadee	29.16	43	N	6	bc	29.52	+	31	38	36	-	3	NN	4	bc	3	46	36	0.14
Kingstown	29.24	46	NNN	5	bc	29.62	+	31	37	35	-	9	NNN	5	0	+	48	36	-
Holyhead	29.17	48	N	5	cp	29.55	+	25	43	39	-	4	NN	7	0	5	50	43	0.05
Liverpool (Bidston)	29.44	43	WSN	3	0	29.46	+	17	43	39	-	2	NNN	5	bc	4	49	42	0.21
Valencia	29.59	47	NNN	6	spg	29.84	+	42	45	42	-	2	NNN	6	cp	6	52	39	0.31
Roche's Point	29.43	47	NN	7	0	29.79	+	40	41	39	-	7	N	4	bc	4	50	38	0.46
Pembroke	29.26	49	NNN	5	0	29.66	+	30	43	39	-	8	NN	6	bc	4	51	42	0.46
Portishead																			
Seilly	29.46	51	N	9	cp	29.79	+	17	47	45	-	6	NN	8	0	7	54	46	0.46
Plymouth	29.39	48	N	5	0	29.66	+	07	40	38	-	11	NNN	4	0	*	54	39	0.62
Hurst Castle	29.35	50	NNN	6	bc	29.55	-	04	43	40	-	9	NN	4	bc	5	52	41	0.33
Dover	29.32	49	WSN	6	0	29.43	-	23	41	40	-	8	NN	2	0	2	51	39	0.27
London	29.28	47	N	5	cp	29.48	-	08	41	39	-	7	NNN	3	0	*	52	39	0.62
Oxford	29.28	44	SN	2	+	29.53	+	03	40	39	-	11	N	2	0	*	52	35	0.20
Cambridge	29.23	46	S	3	+	29.44	+	01	38	38	-	10	N	1	0	*	51	38	0.31
Yarmouth	29.17	48	WSN	4	spg	29.35	-	11	39	39	-	6	N	3	0	3	50	37	0.41
The Helder	*	*	*	*	*	29.22	-	43	47	43	+	5	WSN	4	0	*	*	*	0.39
Cape Gris Nez	29.36	48	WSN	10	+	29.50	-	22	45	43	-	1	NNN	5	0	5	50	41	0.67
Jersey	29.53	51	WSN	8	0	29.67	-	16	46	43	-	4	NN	6	bc	6	54	45	0.25
Brest	29.66	52	NNN	4	bc	29.80	-	12	46	45	-	6	N	5	0	6	54	43	0.47
L'Orient	29.72	48	NNN	4	m	29.80	-	23	46	?	-	2	NNN	4	0	3	55	43	0.39
Rochefort	29.89	55	SN	4	0	29.81	-	26	52	48	+	6	NN	5	0	4	59	35	0.51
Biarritz	30.01	55	SSE	3	0	29.93	-	22	52	46	+	13	SSN	5	+	4	59	43	0.20
Corunna	*	*	*	*	*											*	*	*	
Brussels	*	*	*	*	*	29.43	-	45	46	43	+	6	SN	6	0	*	47	44	0.20
Charleville	*	*	*	*	*	29.50	-	53	43	*	+	6	S	6	+	*	*	*	
Paris	29.73	46	SN	5	0	29.68	-	40	48	45	+	8	WSN	3	bc	*	*	0.04	
Lyons	*	*	*	*	*	29.80	-	51	53	*	+	12	S	4	0	*	*	*	
Toulon	30.21	46	N	2	bc	30.01	-	26	50	48	+	7	SE	6	0	6	52	37	0.20

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes	29.07	43	39	ESE	8	+	5	Valencia					
Thurso								Seilly					
Scarborough								London					*
Greencastle							*	Rochefort	29.99	50	48	5	6
Holyhead													

Loughmoe	29.36	42	N	9	+	29.29	+	29	41	38	-	5	NNN	5	0	4	48	38	0.26
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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.

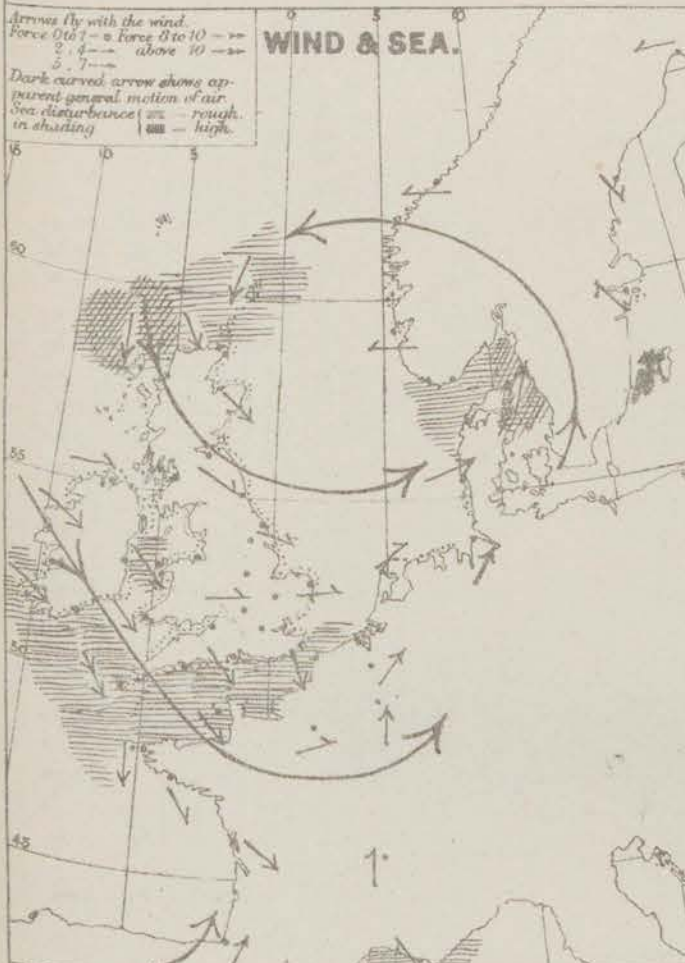
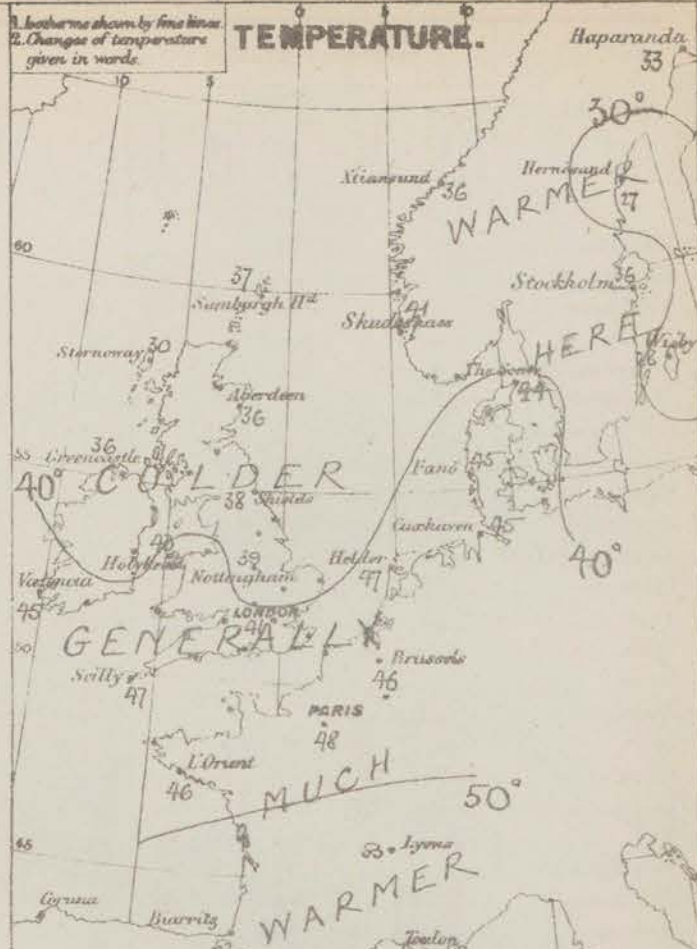
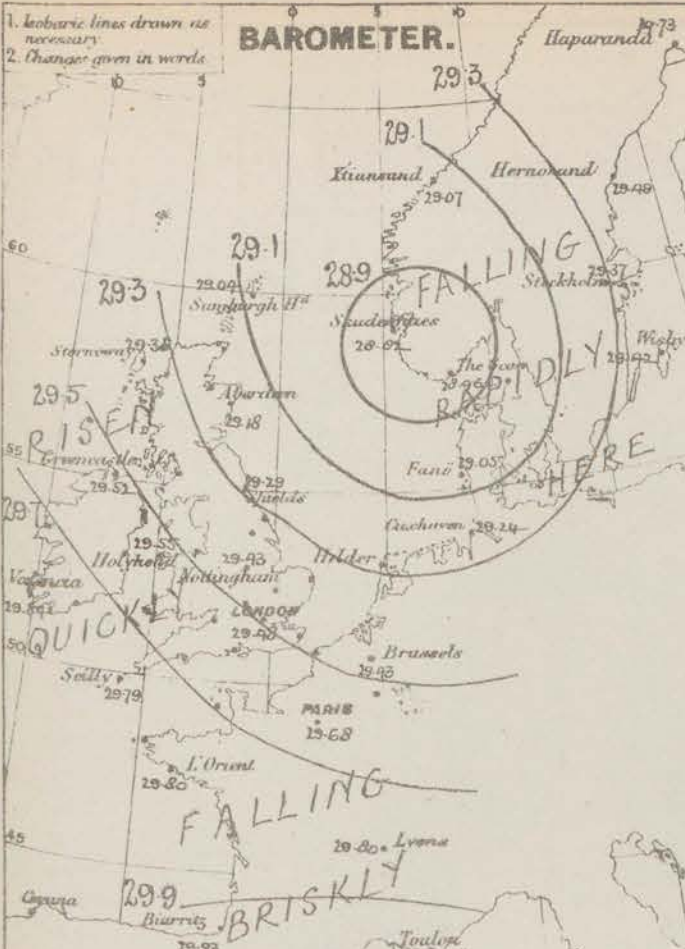
N.B.—The wind is said to "veer" when its direction changes with the sea, and to "back" when it shifts in the opposite direction.

WEATHER CHARTS

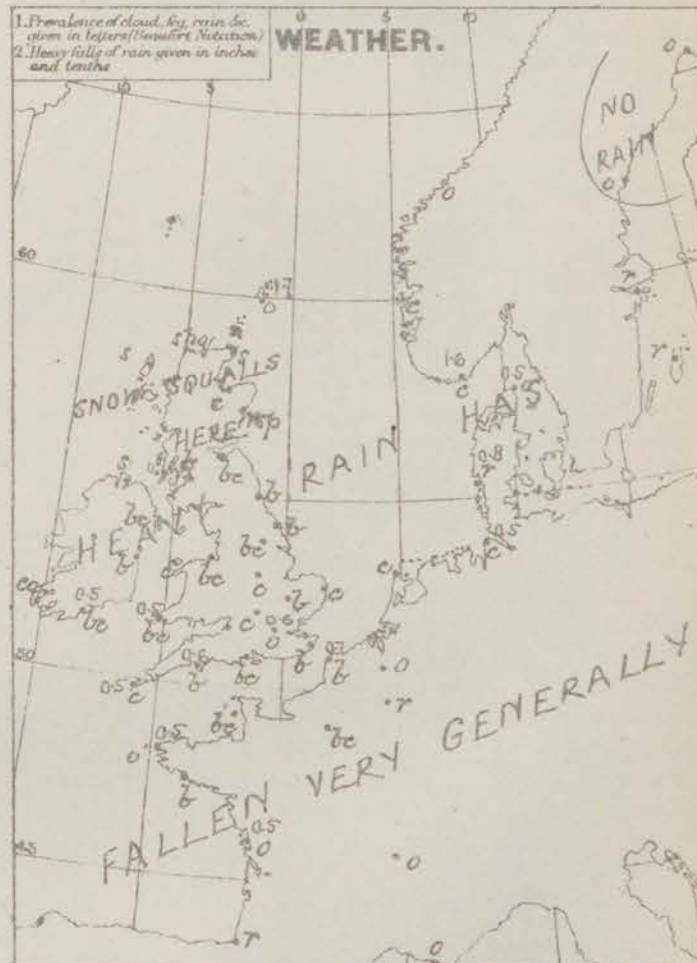
for 8 a.m. on

Mon-day 11 Nov^R

1878.



A dotted line is drawn round our nests as this warning signally is still in force.



REMARKS

REMARKS Weather is at present fair (but not at all settled) over the greater part of Ireland and England, but squalls of wind are reported in Scotland and at Greenock. Considerable quantities of rain fell in many parts of our Islands yesterday and still larger quantities of snow fell in many parts of our Islands yesterday and still larger quantities in the E. shore of the Baltic Sea, the largest amounts measured this morning being 1.7 ins. at Stockholm, 1.1 bar at Åbo, 0.9 in. at Turku, 0.7 in. at C. Fin. Reg., 0.6 in. at Plymouth, and in London, and 0.5 in. at the Shew, Cuxhaven and at several of the SW and S. stations. Winds is strong and squally from NW or N over all our N. and W. coasts, and still blows a gale at Scilly; it is fresh from the same quarter in France, but moderate from NW to W at our E. and SE stations. Strong SW to S. winds are reported in Denmark, and moderate E. breezes in the W. of Norway. Heavy SW to W. gales were felt over our S. coasts during yesterday, and strong N. to NW. gales in the N. and NW. at night. The latter are now subsiding, but in the W. of Ireland there wind is "backing" again. Sea is high both in the N. and SW, rough in the S, moderate in the W. and E.

Barometrical Indications. A deep depression passed over Scotland in an E. direction yesterday, causing the mercury to fall rapidly all over NW. Europe. Its centre was this over the SW. of Norway. A considerable rise of the barometer took place in its rear, but this is now observed in the W. and at the same time pressure has begun to give way over the Bay of Biscay.

Warnings. The Gentle Coma is still up on all our coasts.

Temperature has fallen several degrees over the United Kingdom, but none in France and Scandinavia.

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

R. H. SCOTT.

SECRETARY

DAILY WEATHER REPORT

NOV^R 17TH

1878.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										LAST 24 HOURS.		
	Barometer at 350 ft. 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 15).		Reading at 350 ft. Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 15).			Max.	Min.		
Haparanda ...	29.75	29	E	2	0	29.82	+ .09	27	26	- 6	E	2	0	*	34	27	-	
Hernösand ...	29.37	37	ESE	6	7	29.50	+ .01	41	40	+ 14	SE	2	7	*	*	*	0.39	
Stockholm ...	29.34	43	SSW	4	0	29.58	+ .21	39	38	+ 3	SSW	2	6	*	*	*	0.24	
Wisby ...	29.40	43	SSW	6	7	29.55	+ .13	42	41	+ 4	S	6	7	*	*	*	0.43	
Christiansund ...	28.97	39	SE	5	8	29.08	+ .01	41	39	+ 5	SE	4	6	3	41	34	-	
Skudesnaes ...	28.90	40	NNW	2	0	29.08	+ .26	42	40	+ 1	SSW	5	7	4	?	37	-	
Oxö (Xiansand) ...	28.92	44	NNW	6	7	29.25	+ .38	43	41	+ 5	SE	7	6	5	?	?	0.28	
Skagen (The Seaw) ...	29.11	43	SSW	7	8	29.38	+ .42	41	39	- 3	SSW	6	8	6	46	36	-	
Fanö ...	29.25	41	NSW	4	0	29.32	+ .27	39	38	- 6	SSE	6	7	*	46	37	0.20	
Cuxhaven ...	29.36	44	SW	4	0	29.41	+ .17	40	40	- 5	SSW	4	6	*	45	26	0.01	
Sumburgh Head ...	29.07	37	N	6	0	29.07	+ .03	37	36	0	NNE	3	6	3	42	35	0.12	
Stornoway ...	29.33	33	N	5	0	29.41	+ .03	37	37	+ 7	N	8	0	7	39	30	0.14	
Thurso ...																		
Wick ...	29.22	37	NNW	5	0	29.17	- .02	41	40	+ 9	NNW	3	0	2	42	32	0.14	
Nairn ...	29.34	32	NN	7	8	29.32	- .01	37	36	+ 3	NN	2	0	3	37	31	0.02	
Aberdeen ...	29.14	34	NN	6	5	29.19	+ .01	26	24	0	NN	5	7	3	38	33	0.27	
Leith ...	29.26	32	NNW	3	8	29.31	+ .01	37	35	0	NNW	3	0	*	43	30	0.06	
Shields ...																		
Scarborough ...	29.34	24	NSW	3	0	29.16	- .18	33	32	- 6	NNW	2	0	2	41	28	-	
York ...	29.37	33	NNW	4	8	29.18	- .17	32	32	- 7	N	4	5	*	43	26	0.02	
Nottingham ...	29.37	37	S	7	7	29.32	- .11	32	32	- 7	SW	2	0	*	46	29	0.11	
Ardrossan ...																		
Greencastle ...	29.44	35	N	3	5	29.48	- .04	39	35	+ 3	NNE	4	0	*	40	31	0.51	
Donaghadee ...	29.42	33	NN	5	5	29.44	- .08	36	34	- 2	NNW	3	6	2	38	29	0.80	
Kingstown ...	29.53	26	N	4	0	29.49	- .13	29	28	- 8	NNW	4	6	4	43	28	0.03	
Holyhead ...	29.44	41	NNW	6	0	29.41	- .14	39	36	- 4	NN	4	6	4	44	34	0.08	
Liverpool (Bidston) ...	29.40	32	N	1	6	29.35	- .11	40	37	- 3	NNW	3	0	3	44	32	0.13	
Valencia ...	29.80	45	NN	6	0	29.57	- .27	46	34	- 9	NN	3	6	4	50	32	0.48	
Roche's Point ...	29.70	44	NN	7	0	29.51	- .28	32	31	- 9	N	4	6	4	46	36	0.15	
Pembroke ...	29.32	43	N	6	0	29.41	- .25	37	33	- 6	NE	1	6	3	46	36	0.01	
Portishead ...																		
Scilly ...	29.71	49	NNW	9	0	29.34	- .45	43	42	- 4	NNW	8	6	7	49	38	0.32	
Plymouth ...	29.60	42	NN	2	6	29.41	- .25	37	35	- 3	S	2	6	5	50	34	0.09	
Hurst Castle ...	29.53	46	N	5	0	29.46	- .09	35	33	- 8	NNW	1	6	4	47	32	0.08	
Dover ...	29.56	39	NNW	3	8	29.44	+ .01	34	32	- 7	N	4	6	3	45	33	0.12	
London ...	29.51	40	SW	1	6	29.44	- .04	32	31	- 9	NSW	2	6	*	45	32	0.02	
Oxford ...	29.46	40	NN	2	7	29.44	- .06	32	31	- 8	N	3	0	*	45	32	0.08	
Cambridge ...	29.45	36	NSW	1	0	29.35	- .09	33	32	- 5	SW	3	0	*	45	31	0.13	
Yarmouth ...	29.45	37	NSW	2	8	29.31	- .04	32	32	- 7	NSW	4	5	3	45	31	0.18	
The Helder ...	*	*	*	*	*	29.30	+ .08	41	37	- 6	SW	3	0	*	*	*	0.16	
Cape Gris Nez ...	29.55	45	NNW	5	8	29.46	- .04	39	36	- 6	NNW	6	6	5	46	37	0.16	
Jersey ...	29.71	45	N	7	0	29.52	- .15	43	40	- 3	NSW	4	6	5	54	39	0.14	
Brest ...	29.86	50	NNW	5	7	29.51	- .29	46	43	0	SW	4	0	4	50	41	0.12	
L'Orient ...	29.88	46	NN	5	8	29.62	- .18	45	?	- 1	S	3	0	3	50	41	0.12	
Rochefort ...	29.97	52	NN	4	6	29.73	- .08	50	46	- 2	NSW	5	0	5	54	43	0.24	
Biarritz ...	30.01	52	SSW	5	7	29.91	- .12	48	43	- 4	SSW	5	6	5	54	43	0.55	
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	29.47	+ .04	39	38	- 7	SW	4	7	*	48	38	0.08	
Charleville ...	*	*	*	*	*	29.34	+ .04	35	*	- 8	NSW	1	5	*	*	*	*	
Paris ...	29.81	42	NNW	2	8	29.72	+ .03	40	37	- 8	N	2	7	*	*	*	0.12	
Lyons ...	*	*	*	*	*	29.86	+ .06	55	*	+ 2	S	?	8	*	*	*	*	
Toulon ...	29.91	48	E	5	0	29.92	- .09	43	39	- 7	N	4	8	3	?	43	0.79	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.89	38	35	NNE	2	C	2	Valencia	29.79	47	43	NN	5	cg p	6
Thurso	29.19	37	37	NNW	6	sg	6	Scilly	29.78	48	48	NNW	8	cg	7
Scarborough ...	29.37	39	35	NNW	3	bc	3	London	29.56	44	40	NNW	3	c	*
Mullaghmore ...	29.35	39	37	NNE	6	thy	4	Rochefort ...	29.89	48	46	NN	5	7	3
Holyhead	29.43	?	40	N	6	cg h p	5								

The barometer has fallen a little in the NW, but risen in the E. A subsidiary depression is apparently crossing over Ireland in a SE^{ly} direction and strong N^{ly} to NW^{ly} winds or gales are probable on our NW and NE coasts tonight.

Mullaghmore ...	29.34	37	NNW	6	0	29.51	- .08	37	36	- 4	N	6	0	4	43	32	0.35
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EXPLANATION OF COLUMNS

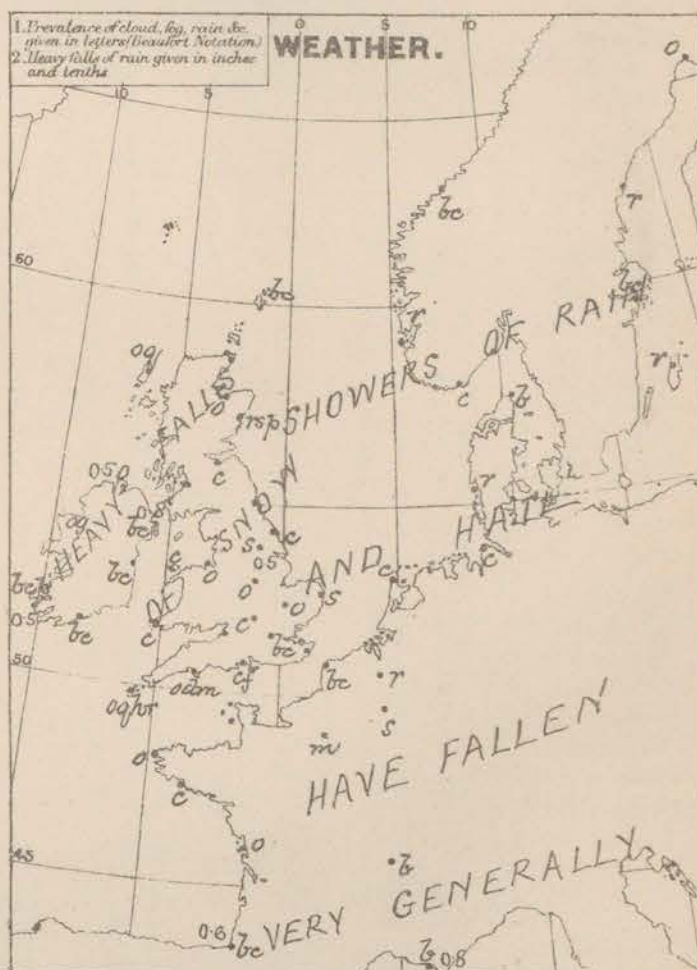
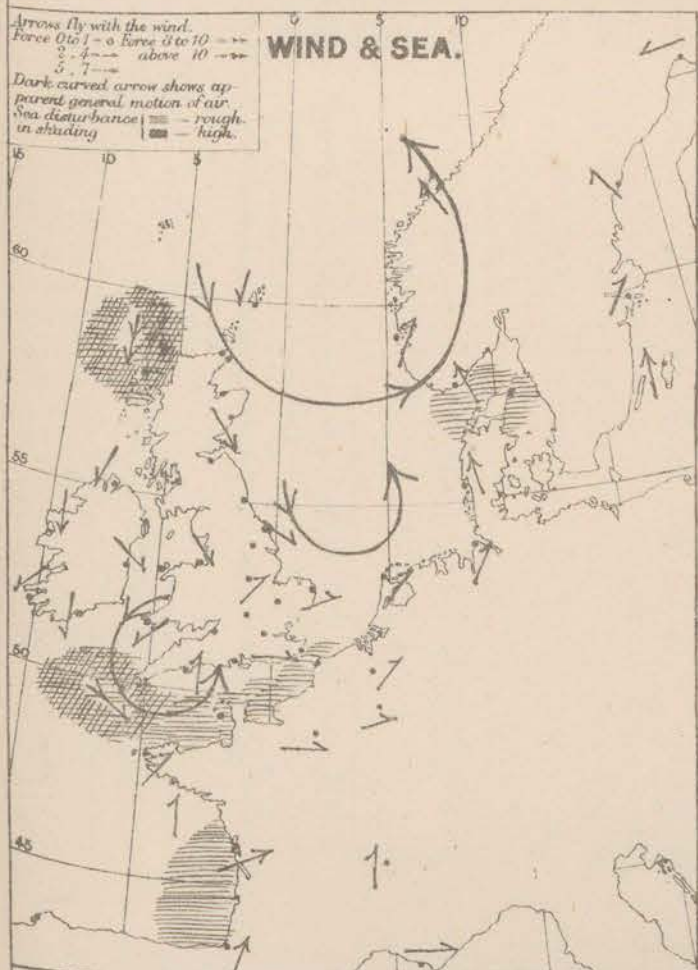
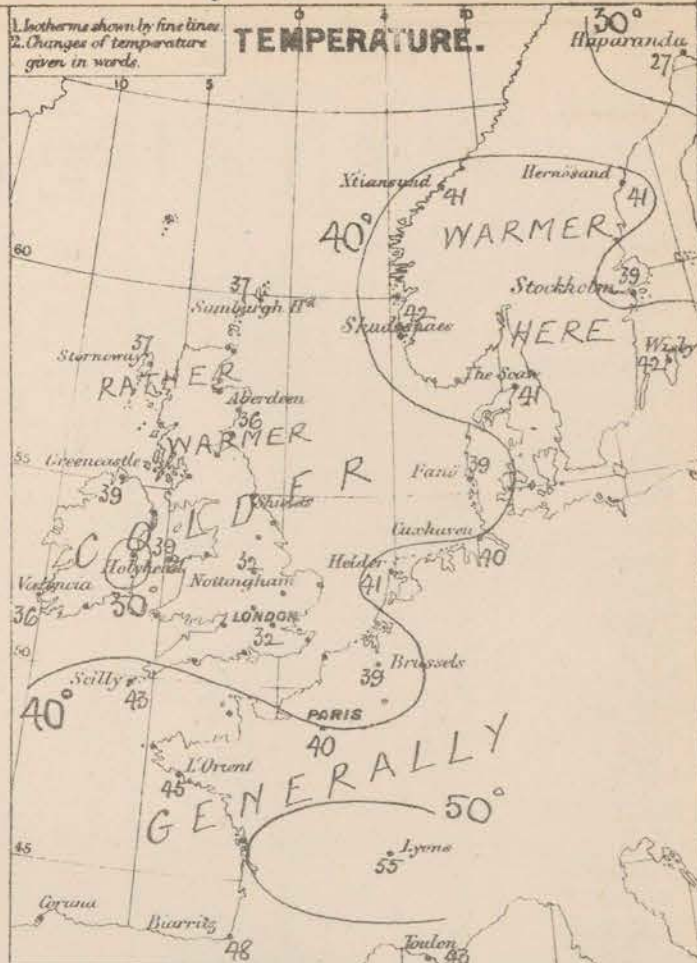
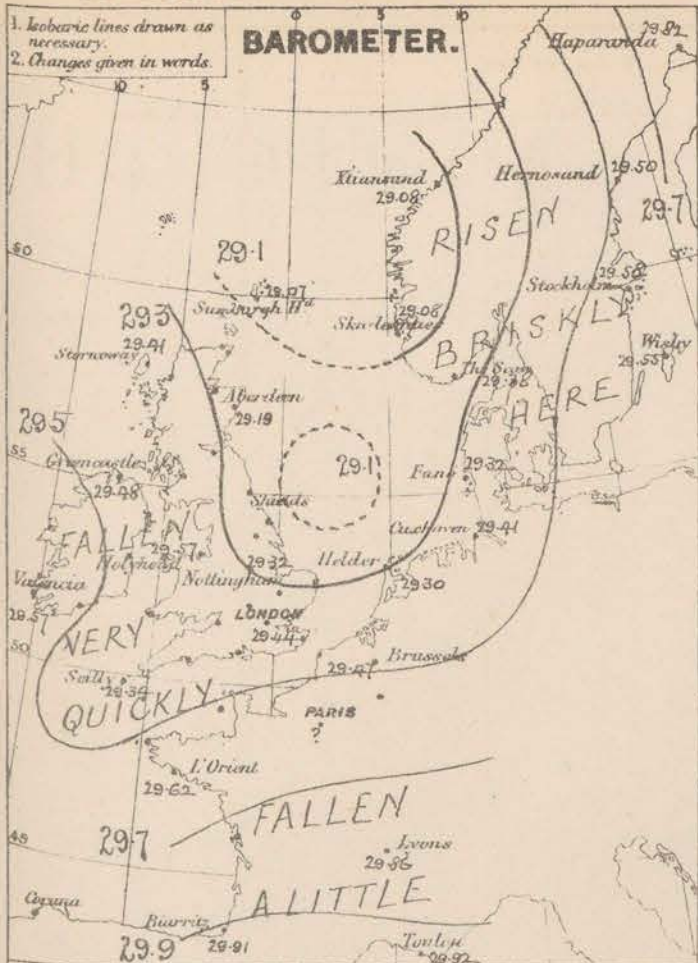
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. equally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 Tuesday 12. Nov^r 1873.



REMARKS. Weather this morning is very variable in different localities. In a few places, notably in London, it is fine, but in many others, showers of rain, hail and snow are reported, not only in our Islands, but also in Belgium and the NE. of France. Falls of snow have occurred in nearly all parts of the Kingdom, and in many of the Nth districts they have been very heavy. Some of our Nth reports are still wanting, apparently owing to telegraphic communication being interrupted by snow. Temperature has fallen over Ireland, England and France, but risen in Scotland and Norway. In London it has fallen 9° and is as low as 32° in the shade and 25° on the grass. Wind is chiefly Nth in our Islands, but varying locally from NE to NW. Over France, the Channel, and our SE. coasts, however, it is Wth, as also in Holland it is SW, in Denmark and Scandinavia Sth. In force it is generally moderate on our coasts, but a Nth gale is blowing at St. Nazaire, and a WNW gale at Vailly. Sea continues high in the N. and NW, moderate in the W and S, slight in the E.

Barometrical Indications. A rather large depression (which, however, seems to be dispersing) is lying off the W. coast of Norway, a small one off the Yorkshire coast, and another one over Cornwall and the mouth of the Bristol Channel. The barometer is rising in the N, but changing irregularly elsewhere. On our SW coasts it is nearly half an inch lower than it was yesterday.

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

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

R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT

Nov^r 13th

1878.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETRE.		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 ...	29.88	35	E	2	f	30.01	+ .19	36	35	+ 9	SE	2	f	*	36	27	0.20		
Hernösand ...	29.80	32	W	0	f	29.82	+ .32	40	39	- 1	SE	2	o	*	*	*	0.08		
Stockholm ...	29.73	40	S	2	f	29.84	+ .26	36	35	- 3	SSW	2	bc	*	*	*	-		
Wisby ...	29.69	41	SSE	4	b	29.80	+ .25	37	36	- 5	SSE	6	f	*	*	*	0.12		
Christiansund ...	29.39	39	SSW	1	c	29.55	+ .47	38	35	- 3	ESE	3	bc	1	42	34	-		
Skudesnaes ...	29.36	41	SE	6	c	29.52	+ .44	43	39	+ 1	SE	2	o	3	43	41	-		
Oxö (Kisnäsund) ...	29.36	42	SE	6	o	29.58	+ .33	39	38	- 4	NE	2	o	3	43	34	0.28		
Skagen (The Scaw) ...	29.40	39	SW	6	f	29.62	+ .24	39	37	- 2	SW	6	bc	6	43	34	0.12		
Fanö ...	29.32	36	S	6	c	29.59	+ .27	37	36	- 2	SSE	4	e	*	43	34	0.24		
Cuxhaven ...	29.50	36	SSW	4	f	29.59	+ .18	40	39	0	S	2	c	*	41	36	0.03		
Sumburgh Head ...																			
Stornoway ...	29.58	36	N	7	o	29.68	+ .27	40	40	+ 3	N	7	c	8	40	34	0.17		
Thurso ...	29.35	40	NNE	10	f	29.59	+ .38	40	39	- 4	W	0	cf	5	45	39	0.34		
Wick ...	29.30	40	NNW	7	f	29.58	+ .41	38	37	- 3	WN	1	o	4	43	35	0.57		
Nairn ...	29.42	37	WN	8	o	29.58	+ .26	41	39	+ 4	WN	3	o	3	49	33	0.38		
Aberdeen ...	29.23	39	NNW	4	f	29.51	+ .32	38	36	+ 2	N	4	c	3	42	36	0.44		
Leith ...	29.34	41	WN	4	o	29.50	+ .19	42	40	+ 5	N	3	c	*	45	36	-		
Shields ...	29.26	39	NNW	2	o	29.48	+ .30	38	36	+ 5	NNW	2	f	3	39	33	0.08		
Scarborough ...	29.28	40	NNW	3	o	29.47	+ .31	37	36	+ 4	NNW	1	o	2	40	32	-		
York ...	29.32	33	WN	1	b	29.49	+ .31	31	31	- 1	WN	1	bc	*	39	29	0.21		
Nottingham ...	29.41	32	W	0	b	29.49	+ .17	34	32	+ 2	W	2	c	*	39	26	-		
Ardrossan ...	29.43	41	WN	5	c	29.55	+ .18	40	38	+ 3	NNW	2	bc	1	47	37	-		
Greencastle ...	29.59	40	N	5	o	29.68	+ .20	42	39	+ 3	N	3	o	*	43	36	0.35		
Donaghadee ...	29.51	42	N	7	bc	29.59	+ .15	42	42	+ 6	N	8	f	6	44	36	0.02		
Kingstown ...	29.44	41	NNW	5	b	29.67	+ .18	35	33	+ 6	NNW	4	bc	4	41	28	-		
Holyhead ...	29.42	47	NNW	7	c	29.66	+ .15	44	41	+ 5	NNE	6	c	5	48	39	0.09		
Liverpool (Bidston) ...	29.40	44	WN	3	o	29.52	+ .17	39	37	- 1	N	1	b	2	44	39	0.06		
Valencia ...	29.74	46	NNW	7	bc	29.89	+ .32	39	35	+ 3	N	4	c	4	46	33	0.22		
Roche's Point... ..	29.63	41	NNW	6	c	29.77	+ .26	37	34	+ 5	NNW	5	b	4	41	31	-		
Pembroke ...	29.43	42	NNW	6	c	29.59	+ .18	38	38	+ 1	N	3	f	2	45	36	0.75		
Portishead ...																			
Seilly ...	29.37	38	ENE	11	o	29.59	+ .25	44	40	+ 1	N	10	o	7	46	32	0.68		
Plymouth ...	29.34	36	ENE	6	o	29.51	+ .10	35	34	- 2	N	1	bc	*	41	33	0.26		
Hurst Castle ...	29.34	39	ENE	4	W	29.39	- .07	39	37	+ 11	NNE	5	cg	3	42	32	-		
Dover ...	29.43	42	W	4	bc	29.36	- .08	42	41	+ 8	SSE	3	o	2	45	33	0.33		
London ...	29.42	39	W	0	f	29.42	- .02	36	34	+ 4	NNE	3	ogf	*	40	32	-		
Oxford ...	29.42	34	WN	1	f	29.46	+ .02	34	33	+ 2	N	1	b	*	39	28	-		
Cambridge ...	29.42	37	SW	1	o	29.45	+ .10	33	33	0	N	1	o	*	43	30	-		
Yarmouth ...	29.40	33	W	2	bc	29.42	+ .11	41	40	+ 9	NE	3	bc	3	41	31	0.07		
The Helder ...	*	*	*	*	*	29.64	+ .34	42	?	+ 1	SE	1	o	*	*	*	0.12		
Cape Gris Nez ...	29.43	39	E	2	o	29.36	- .10	43	41	+ 4	SE	1	o	0	45	37	0.32		
Jersey ...	29.24	41	NNW	5	c	29.37	- .15	43	41	0	N	6	om	5	45	37	0.24		
Brest ...	29.26	46	WSW	3	b	29.51	0.00	41	39	- 5	N	5	f	5	?	32	0.39		
L'Orient ...	29.30	39	NNW	3	bc	29.46	- .16	?	?	?	NNW	4	c	4	48	36	0.39		
Rochefort ...	29.36	34	WSW	10	f	29.40	- .30	43	41	- 7	SE	3	o	3	44	43	1.10		
Bizritz ...	29.53	34	SSW	5	f	29.41	- .50	42	37	- 5	SSW	7	f	5	?	36	0.47		
Corunna ...	*	*	*	*	*										*	*	*		
Brussels ...	*	*	*	*	*	29.46	- .01	40	37	+ 1	SSE	4	c	*	63	39	0.12		
Charleville ...	*	*	*	*	*	29.44	- .10	39	*	+ 4	SE	1	c	*	*	*	*		
Paris ...	29.49	45	SSW	2	f	29.48	- .23	43	41	+ 3	SW	3	W	*	*	*	0.08		
Lyons ...	*	*	*	*	*	29.45	- .38	52	*	- 3	SE	2	o	*	*	*	*		
Toulon ...	29.34	46	SW	1	b	29.62	- .30	50	50	+ 7	S	5	o	4	54	43	0.16		

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.26	41	39	SE	8	o	5	Valencia	29.68	41	38	NNE	5	bcg/hp	5
Thurso	29.29	42	42	NNW	10	7p	9	Scilly	29.22	39	39	NNE	10	og/hw	7
Scarborough ...	29.26	36	35	NW	3	o	3	London	29.44	40	35	WSW	1	cu	*
Mullaghmore ...	29.61	43	42	NW	6	ogw	4	Rochefort ...	29.52	50	46	SW	7	f	5
Holyhead	29.43	45	41	NNW	6	c	5								

The barometer is rising except on our SW. coasts, where the depression noticed this morning is growing much deeper. The wind has increased to a heavy gale at Seilly, and in London the sky is beginning to assume a very unsettled appearance. Harnings have been issued to our south-west coasts.

Mullaghmore	29.68	43	NNE	7	c	29.27	+ .26	42	40	+ 5	NNW	6	og	5	45	35	0.06
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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.

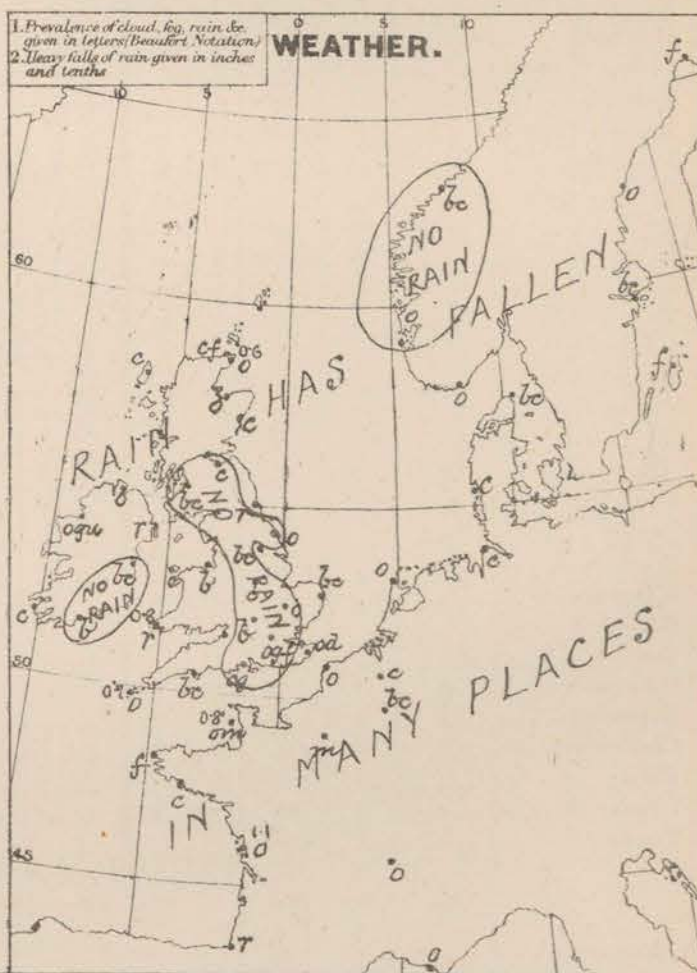
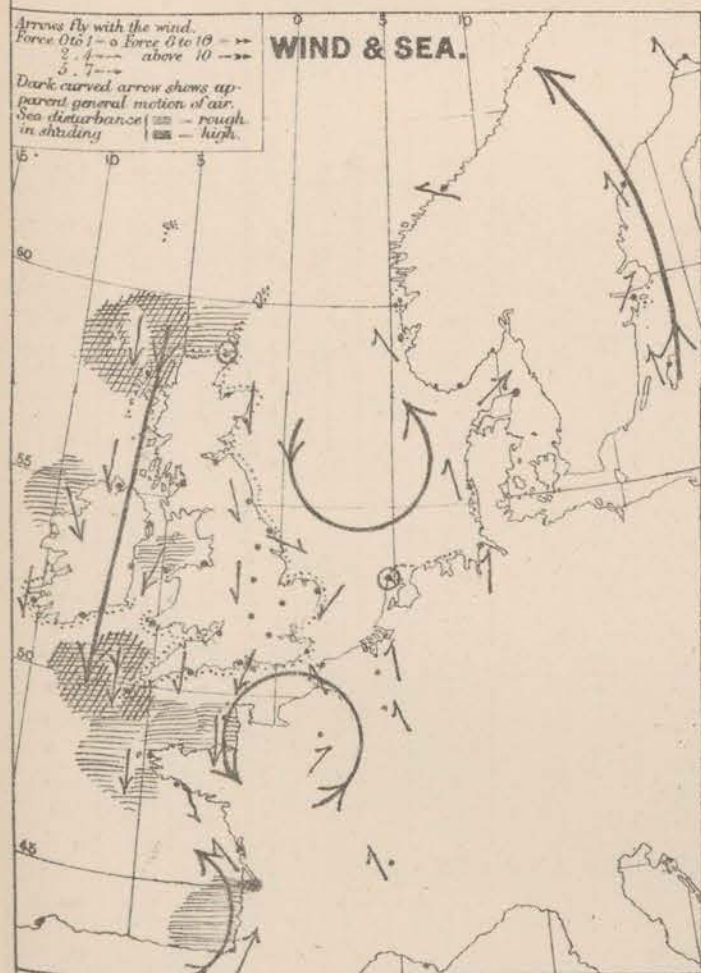
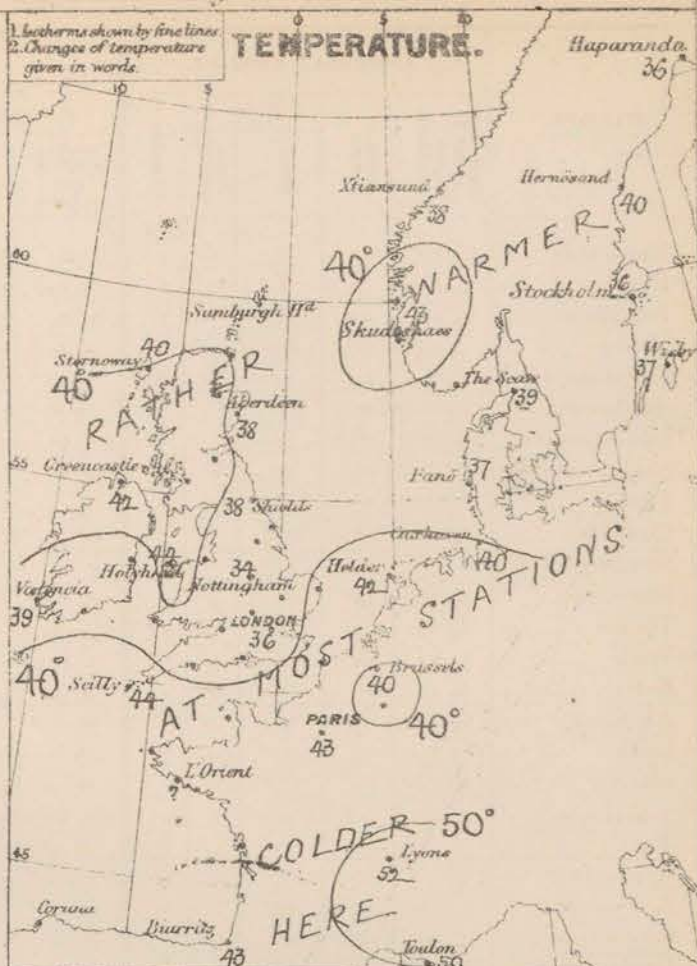
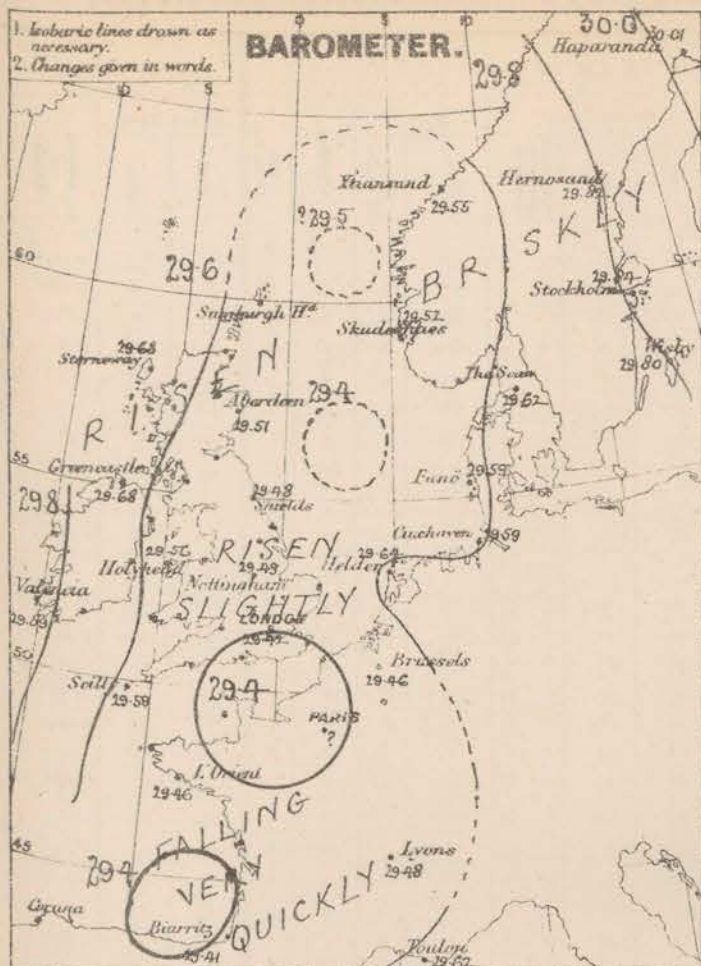
N.B.—The wind is said to “veer” when its direction changes with the sun, and to “back” when it shifts in the opposite direction.

WEATHER CHARTS

for 8 a.m. on Wednesday

13TH Nov $\frac{R}{11}$

1878.



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

REMARKS Weather over W^m Europe is in a very unsettled state, in many of the island parts of England the sky is clear, but elsewhere it is cloudy with fog or haze in several places and rain in others. Large falls of rain have occurred both on our Nth and Sth coasts, and a very heavy fall (1.1 in.) at Rockfort. Lightning was seen at the Sth stations last night, loud thunder occurred at Scilly, and halos were seen at our Sth stations. Temperature has risen slightly in most places, but is still very low generally. This morning's readings vary from 31° at York to 36° in London, 40° in the extreme N. of Scotland and 44° at Scilly. Winds in Nth all over our Island and the N. of France, in the E and NE it is light, in the W and NW it is fresh to strong, and blows a slight gale at Stornoway and Douglashead, and a severe gale at Scilly. A heavy WSW gale was felt at Rockfort last evening, and a NW gale in the N. of Scotland. Sea is high in the extreme N. and at Scilly, rather rough on our W coasts generally, slight in the E. Barometrical indications. The distribution of pressure this morning is very singular. Readings are high over Nth Europe and the Baltic, and also to the Wrd of our Islands. Over the Bay of Biscay, France, the E. of England, the North Sea and W. of Norway lies a broad band of relatively low pressure, having apparently four separate minima in it—one off the SW. of France, another over the Channel and N. of France, a third off our NE coast, and a fourth off the W. of Norway. The barometer is rising except in France where it is falling. Warnings. Our SW. and NE coasts were warned yesterday, and the warning has been extended to the E. and SE this morning.

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10/- per quarter, book post 5/- per quarter.

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

R. H. SCOTT.

Secret

DAILY WEATHER REPORT

Nov 3 14th 1878.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										LAST 24 HOURS.		
	Barometer at 320 F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dirco.	Force. (0 to 12).		Reading at 320 F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirco.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	30.01	34	SE	2	o	30.02	+ .01	37	36	+ 1	S	2	c	*	37	34	0.39	
Hernösand ...	29.91	35	X	0	bc	30.06	+ .24	26	?	- 14	X	0	b	*	*	*	-	
Stockholm ...	29.93	39	SEW	4	bc	30.03	+ .19	41	39	+ 5	Z	0	o	*	*	*	-	
Wisby ...	29.86	36	SE	4	b	29.88	+ .08	43	41	+ 6	E	6	o	*	*	*	-	
Christiansund ...	29.71	33	X	0	b	29.84	+ .29	35	32	- 3.	E	3	b	3	39	28	-	
Skudesnaes ...	29.71	43	ESE	4	o	29.73	+ .21	46	41	+ 5	SE	6	o	4	?	?	0.12	
Oxö (Xtiansand) ...	29.71	40	SSE	6	f	29.81	+ .23	45	42	+ 6	NE	5	o	4	?	37	0.24	
Skagen (The Seaw) ...	29.77	45	SEW	3	bc	29.84	+ .22	42	39	+ 3	ESE	4	o	4	46	34	0.08	
Fanö ...	29.65	37	ESE	4	c	29.67	+ .08	41	41	+ 4.	E	5	o	*	41	36	0.04	
Cuxhaven ...	29.63	45	SE	2	c	29.59	00	41	41	+ 8	ESE	5	o	*	46	36	-	
Sumburgh Head																		
Stornoway	29.75	40	N	4	b	29.84	+ .16	38	36	- 2	N	2	b	3	42	36	0.10	
Thurso ...	29.69	41	N	1	c	29.81	+ .22	42	42	+ 2	NN	3	bc	4	46	34	0.30	
Wick ...	29.69	38	NN	1	c	29.78	+ .20	32	31	- 6	NN	1	b	0	43	30	0.04	
Nairn ...	29.58	40	NN	2	o	29.80	+ .22	39	37	- 2	NN	1	b	2	42	37	0.02	
Aberdeen ...	29.68	38	N	2	b	29.76	+ .28	33	32	- 5	NN	1	b	2	44	33	-	
Leith ...	29.68	42	NNN	3	bc	29.76	+ .26	37	36	- 5	N	3	cu	*	47	34	-	
Shields ...	29.63	44	NE	2	bc	29.74	+ .26	36	34	- 2	NNN	2	bc	2	45	36	0.03	
Scarborough ...	29.57	45	NE	3	o	29.67	+ .20	45	42	+ 8	NNE	4	c	4	46	37	-	
York ...	29.57	39	N	1	bc	29.68	+ .19	38	33	+ 3	N	2	b	*	41	30	-	
Nottingham ...	29.56	40	N	2	f	29.64	+ .15	40	38	+ 6	N	6	o	*	42	34	0.01	
Ardrossan ...	29.70	39	NNE	1	b	29.78	+ .23	40	37	0	NNN	1	b	0	48	32	-	
Greencastle ...	29.74	44	N	2	o	29.83	+ .15	43	41	+ 1	N	2	o	*	45	40	0.13	
Donaghadee ...	29.73	44	NNE	4	bc	29.82	+ .23	44	42	+ 2	NNE	3	bc	2	46	42	0.02	
Kingstown ...	29.72	42	NN	4	bc	29.84	+ .17	37	36	+ 2	NNN	4	b	4	42	34	-	
Holyhead ...	29.64	46	NNE	5	bc	29.77	+ .21	44	41	0	NNE	4	b	3	47	43	-	
Liverpool (Bidston) ...	29.62	40	N	2	b	29.75	+ .23	37	36	- 2	N	1	b	1	43	37	-	
Valencia ...	29.92	43	N	5	c	29.94	+ .05	42	39	+ 3	NNN	3	bc	4	46	36	0.01	
Roche's Point...	29.83	41	NNN	6	bc	29.88	+ .11	41	38	+ 4	N	5	bc	4	44	36	-	
Pembroke ...	29.63	43	NNN	5	c	29.75	+ .16	41	38	+ 3	NE	1	b	6	43	37	0.56	
Portishead																		
Seilly ...	29.65	47	N	9	o	29.76	+ .17	47	44	+ 3	N	6	c	6	47	44	0.07	
Plymouth ...	29.57	38	N	2	b	29.67	+ .16	37	35	+ 2	N	4	b	*	46	35	0.02	
Hurst Castle ...	29.46	40	NE	3	f	29.54	+ .15	40	39	+ 1	N	3	rw	3	41	36	0.29	
Dover ...	29.43	45	SE	3	bc	29.37	+ .01	44	42	+ 2	N	5	ag	3	46	42	0.16	
London ...	29.47	40	NE	4	o	29.48	+ .06	44	43	+ 8	NE	4	of d	*	44	36	0.14	
Oxford ...	29.51	39	NN	1	o	29.59	+ .13	39	38	+ 5	N	2	f	*	45	33	0.15	
Cambridge ...	29.50	37	N	1	f	29.54	+ .09	42	42	+ 9	N	2	o	*	44	33	0.06	
Yarmouth ...	29.47	44	E	3	bc	29.46	+ .04	47	46	+ 6	NE	6	od	5	47	42	0.15	
The Helder ...	*	*	*	*	*	29.49	- .15	39	38	- 3	ENE	2	o	*	*	*	-	
Cape Gris Nez	29.43	41	E	1	o	29.36	00	41	41	- 2	ENE	2	f	2	46	39	0.02	
Jersey ...	29.46	40	N	6	f	29.54	+ .17	43	43	0	N	6	mv	5	44	38	1.12	
Brest ...	29.60	46	N	6	f	29.71	+ .20	46	39	+ 5	N	5	bc	5	46	34	0.79	
L'Orient ...	29.56	43	NNN	5	bc	29.65	+ .19	43	?	?	NN	5	b	4	46	37	0.12	
Rochefort ...	29.55	45	NNN	5	bc	29.63	+ .20	45	43	+ 2	NNN	6	bc	5	52	36	0.04	
Biarritz ...	29.63	50	NN	7	c	29.75	+ .34	46	43	+ 3	WSW	10	f	8	54	39	1.18	
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*										*	*	*	
Charleville ...	*	*	*	*	*	29.41	- .03	38	*	- 1	SW	1	o	*	*	*	*	
Paris ...	29.49	41	?	2	f	29.50	+ .02	38	?	- 5	SW	3	f	*	*	*	0.47	
Lyons ...	*	*	*	*	*	?	?	?	*	?	NN	2	b	*	*	*	*	
Toulon ...	29.59	48	S	5	o	29.60	- .02	37	34	- 13	NN	6	c	6	70	37	0.47	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	
Skudesnaes ...	29.67	42	37	ESE	4	c	3	Valencia	29.90	44	40	N	4	bcphw 5
Thurso	29.66	43	43	X	c	ff	4	Seilly	29.64	46	43	N	9	c 7
Scarborough ...	29.57	45	42	NE	3	c	8	London	29.44	40	38	N	2	gfd *
Mullaghmore...	29.51	44	43	N	7	cy	5	Rochefort ...	29.47	50	46	SSE	2	c 3
Holyhead	29.58	45	43	NNE	6	c	5							

No important change has occurred since the morning.

Harming. The signals have been lowered in Scotland this afternoon.

Mullaghmore	29.53	43	NNN	6	f	29.54	+ .12	43	42	+ 1	NNN	5	c	4	45	41	0.05
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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.

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

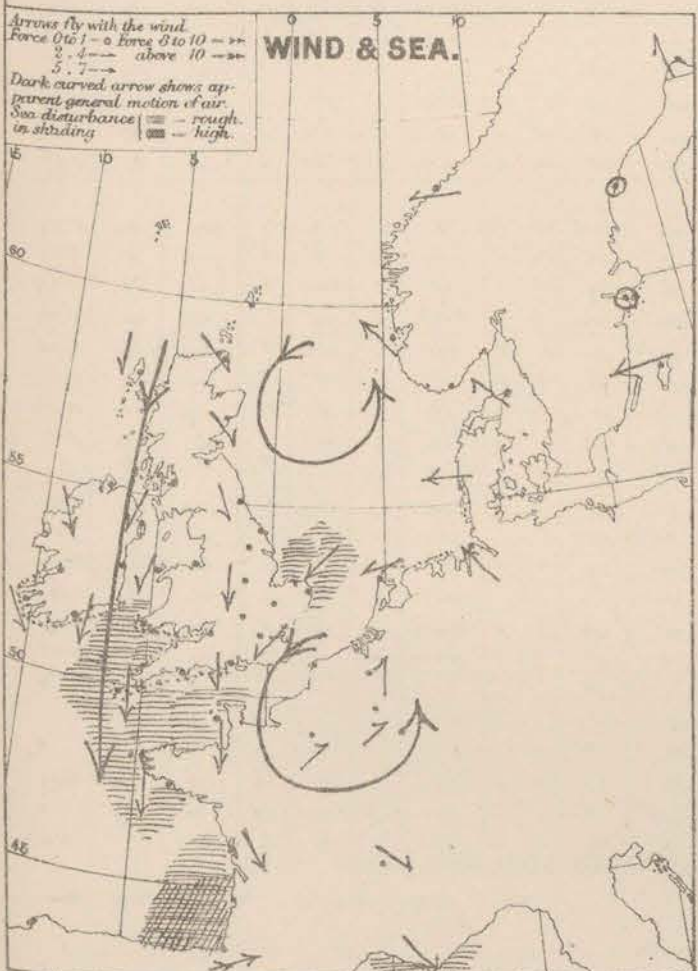
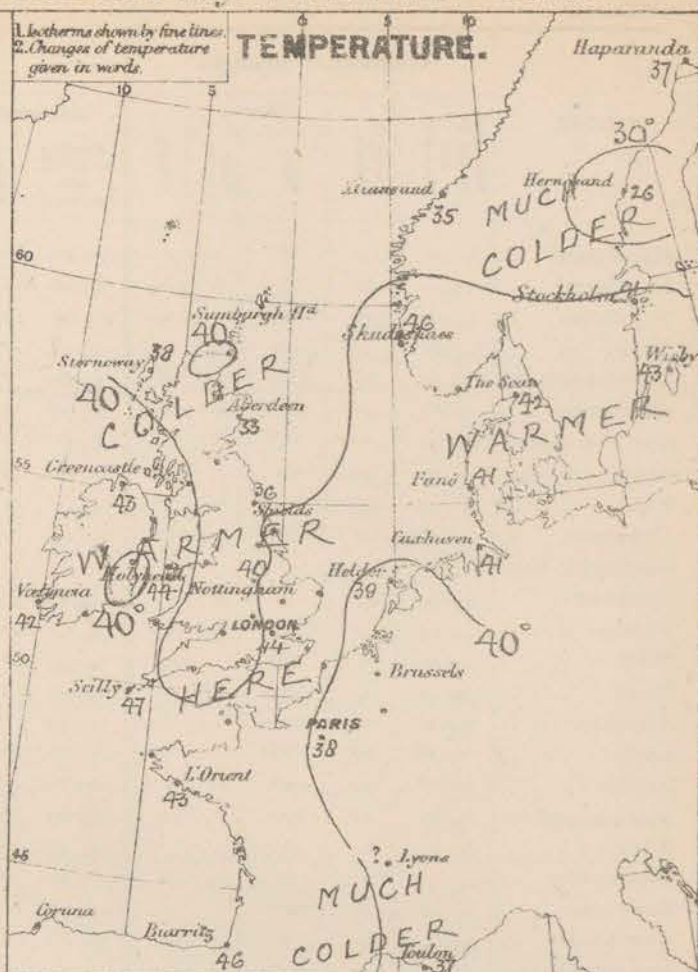
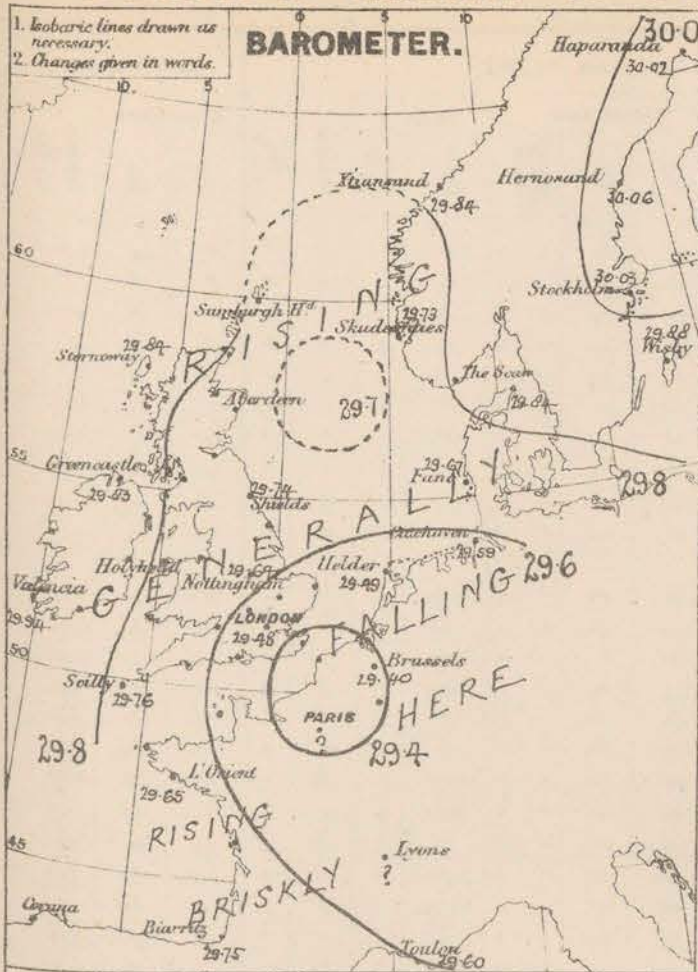
† The evening observations are taken at 8 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. in Paris time in France.

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.

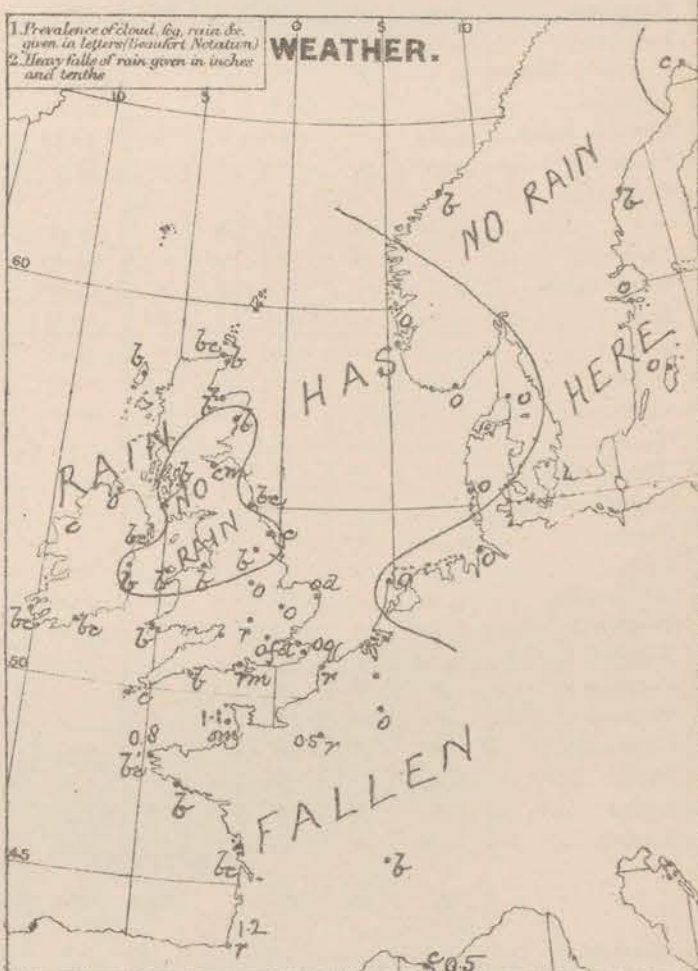
WEATHER CHARTS

for 8 a.m. on Thurs-day 14. Nov^r. 1873

1873.



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



REMARKS. Weather is overcast gloomy and wet at the SE stations, very fine over the major part of our Islands and France, but is duller on the E shores of the North Sea. Heavy rains and hail have fallen at Jersey, and in the W. of France, and a smaller quantity over our Sth counties. A thunderstorm has occurred at Dover, and lightning has been seen at Roche Point and Culbroke. Temperature has risen considerably, except in Scotland, and the N. of Scandinavia, where it has fallen. Readings in our Islands vary from 41° at Wick to 34° at York to 47° at Seilly. At Kew and the thermometer stands at 26°. Wind is generally Nth in our Islands, and is light to moderate in force. The gale at Seilly died down at 1 am. At Yarmouth, however, a strong and increasing breeze from NE is reported, and the wind is rather fresh over our SEth counties generally. A heavy gale from WSW is reported at Biarritz. Sea is rough in the SW and SE, very high in the Sth parts of the Bay of Biscay, but has gone down considerably in the Nth. Barometrical Indications. The barometer has risen during the past 24 hours at all but the SEth stations, where a slight fall is in progress. The depression over the NE of France seems to be getting rather deeper, so that gradual NE winds over the E. of England are growing steeper.

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

R. H. SCOTT.
Secretary

Secretary

DAILY WEATHER REPORT *Nov^r 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 ...	30.15	22	X	0	f	30.24	+ .22	30	30	- 7	SW	2	0	*	37	21	-	
Hernösand ...	30.01	27	X	0	o	30.21	+ .15	35	35	+ 9	NE	4	0	*	*	*	-	
Stockholm ...	30.02	42	NE	6	o	29.89	- .14	42	40	+ 1	ENE	8	0	*	*	*	-	
Wisby ...	29.88	42	ESE	8	o	29.71	- .17	42	41	- 1	SE	9	0	*	*	*	-	
Christiansund ...	29.94	35	ESE	1	b	29.82	.00	41	36	+ 6	SE	4	0	3	41	28	-	
Skudesnaes ...	29.87	45	SE	4	o	29.56	- .17	41	39	- 5	N	6	7	4	46	?	-	
Oxö (Kladsand) ...	29.76	41	NE	8	f	29.47	- .34	40	39	- 5	NNE	8	7	5	45	37	-	
Skagen (The Seaw) ...	29.71	44	E	7	o	29.45	- .39	44	42	+ 2	E	8	7	8	46	37	0.24	
Fanö ...	29.39	44	ENE	6	o	29.02	- .65	47	46	+ 6	ENE	6	7	*	?	41	0.20	
Cuxhaven ...	29.49	43	E	1	f	29.00	- .59	40	40	- 1	WSW	2	7	*	43	37	0.40	
Sumburgh Head ...																		
Stornoway ...	29.88	39	N	3	b	29.88	+ .04	40	38	+ 2	NNW	6	6	4	43	35	-	
Thurso ...	29.87	43	NNE	2	b	29.84	+ .03	44	43	+ 2	NN	4	6	4	46	41	0.01	
Wick ...	29.85	37	N	2	b	29.79	+ .01	43	41	+ 11	NE	2	0	1	45	30	0.02	
Nairn ...	29.84	40	NN	2	c	29.83	+ .03	40	38	+ 1	NNE	4	0	3	42	37	-	
Aberdeen ...	29.76	40	NNN	3	f	29.67	- .09	43	40	+ 10	N	6	0	6	43	33	0.04	
Leith ...	29.75	42	NE	3	c	29.66	- .10	43	41	+ 6	NNE	4	0	*	50	36	-	
Shields ...	29.63	40	NNE	4	c	29.47	- .27	45	43	+ 9	NE	9	7	7	46	36	0.62	
Scarborough ...	29.64	?	N	5	o	29.34	- .33	44	43	- 1	NE	10	7	7	?	44	0.36	
York ...	29.60	39	N	2	c	29.37	- .31	41	40	+ 7	N	2	7	*	42	33	0.32	
Nottingham ...	29.58	?	N	5	b	29.36	- .28	42	42	+ 2	NNN	5	7	*	45	40	0.17	
Ardrossan ...	29.78	40	NE	2	b	29.73	- .05	40	36	0	NNN	2	6	1	46	38	-	
Greencastle ...	29.83	44	NNE	2	o	29.83	.00	44	42	+ 1	NNE	3	0	*	48	41	0.08	
Donaghadee ...	29.79	45	NNN	4	b	29.74	- .08	44	40	0	N	7	6	5	46	43	-	
Kingstown ...	29.79	42	NN	4	b	29.74	- .10	41	38	+ 4	NNN	4	6	5	44	36	-	
Holyhead ...	29.71	46	NNE	5	c	29.57	- .20	46	43	+ 2	NNE	8	0	6	47	43	0.02	
Liverpool (Bidston) ...	29.68	40	N	3	b	29.48	- .27	44	42	+ 7	NNN	4	0	3	44	37	0.11	
Valencia ...	29.90	42	NNE	1	c	29.92	- .02	45	41	+ 3	NNE	4	6	2	48	36	0.02	
Roche's Point ...	29.84	41	NNN	5	b	29.79	- .09	42	38	+ 1	N	6	4	4	45	38	-	
Pembroke ...	29.73	41	NNN	2	b	29.57	- .18	43	43	+ 2	N	6	7	4	46	38	0.29	
Portishead ...																		
Scilly ...	29.76	46	N	6	c	29.67	- .09	46	43	- 1	N	8	0	6	48	39	0.42	
Plymouth ...	29.64	39	N	2	b	29.57	- .16	41	40	+ 4	NN	4	0	*	47	33	-	
Hurst Castle ...	29.34	42	N	4	b	29.38	- .16	41	39	+ 1	NNN	3	0	3	44	37	-	
Dover ...	29.37	41	N	3	o	29.26	- .11	40	39	- 4	NNN	4	0	3	45	39	0.46	
London ...	29.48	40	NE	4	o	29.30	- .18	40	39	- 4	NN	2	0	*	44	38	0.19	
Oxford ...	29.55	40	NN	3	o	29.36	- .23	40	39	+ 1	N	2	7	*	42	37	0.17	
Cambridge ...	29.49	39	N	2	f	29.26	- .28	41	41	- 1	N	1	7	*	45	36	0.94	
Yarmouth ...	29.41	43	ENE	4	c	29.14	- .32	43	43	- 4	NNN	4	0	3	47	38	0.56	
The Helder ...	*	*	*	*	*	29.00	- .49	43	42	+ 4	WSW	2	7	*	*	*	0.20	
Cape Gris Nez ...	29.36	37	NNE	2	o	29.27	- .09	41	41	0	NNN	3	0	3	45	36	0.16	
Jersey ...	29.60	45	NNN	5	o	29.49	- .05	45	43	+ 2	NN	5	0	4	45	42	0.02	
Brest ...	29.74	48	N	4	b	29.65	- .06	41	37	- 5	N	2	6	3	52	37	0.12	
L'Orient ...	29.71	45	NNN	4	b	29.64	- .07	41	?	- 2	NNN	2	6	3	50	37	-	
Rochefort ...	29.66	?	NN	7	c	29.66	+ .03	46	45	+ 1	WSW	3	0	3	54	37	-	
Biarritz ...	29.79	50	NNN	7	b	29.74	- .05	46	41	0	SW	5	7	3	52	37	1.14	
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	29.25	- .15	36	35	- 3	SW	6	7	*	43	35	-	
Charleville ...	*	*	*	*	*	29.28	- .13	37	*	- 1	WSW	1	9	*	*	*	*	
Paris ...	29.45	41	WSW	2	o	29.47	- .03	41	40	+ 3	W	2	7	*	*	*	0.24	
Lyons ...	*	*	*	*	*	29.69	?	48	*	?	S	4	0	*	*	*	*	
Toulon ...	29.56	43	NN	6	b	29.77	+ .17	43	37	+ 6	NN	5	6	6	48	37	-	

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

	Bar.	Dry.	Wet.	Wind.	Woa.	Sea.		Bar.	Dry.	Wet.	Wind.	Woa.	Sea.		
Skudesnaes ...	29.78	45	40	E	2	o	4	Valencia	29.91	47	43	N	2	o	3
Thurso	29.83	44	43	NNE	2	bc	4	Scilly	29.76	48	46	N	7	c	6
Scarborough ...	29.59	46	43	N	5	o	5	London	29.48	43	41	NN	4	og ^d .	*
Mullaghmore...	29.85	43	42	NNE	3	cg	4	Rochefort ...	29.62	50	46	NN	6	o	5
Holyhead	29.74	46	42	NNE	4	c	3								

Pressure is increasing at Thurso and has been steady in the S. since the morning, but has decreased elsewhere. The wind is N^e on all coasts, and is freshening somewhat at Scilly.

Mullaghmore	29.87	43	N	4	b	29.89	.00	45	43	+ 2	NNE	6	6	4	45	41	0.18.
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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.

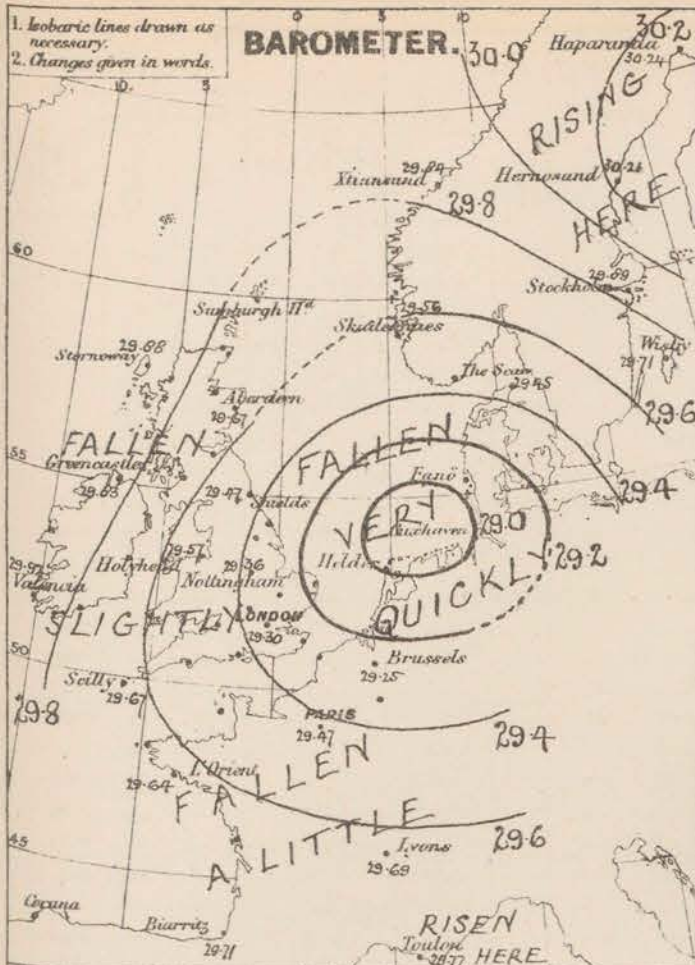
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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 15. Nov^r 1878.

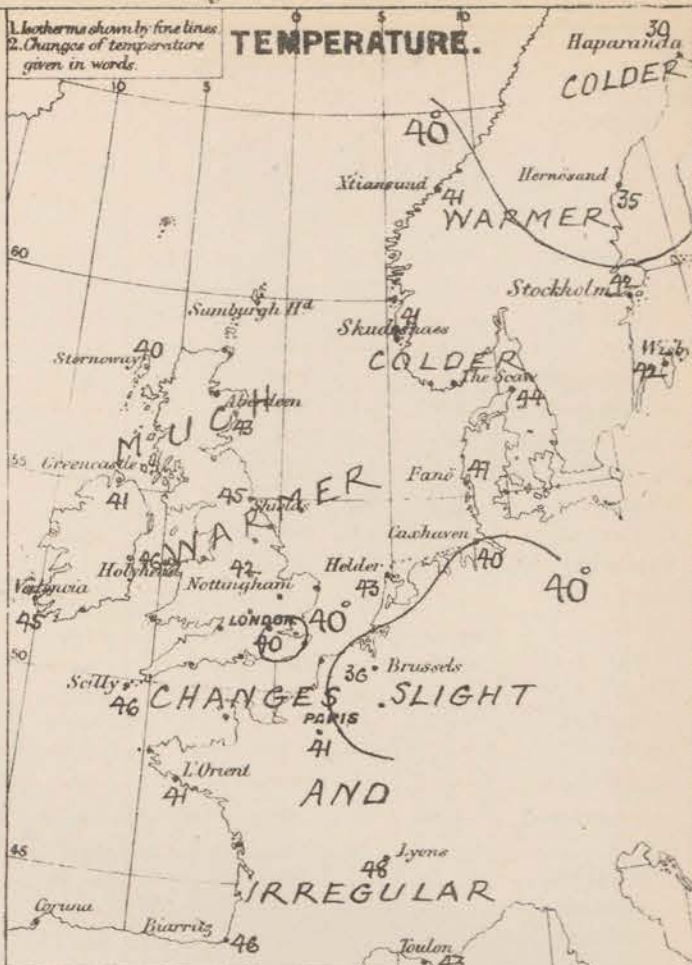
1. Isobaric lines drawn as necessary.
2. Changes given in words.

BAROMETER.



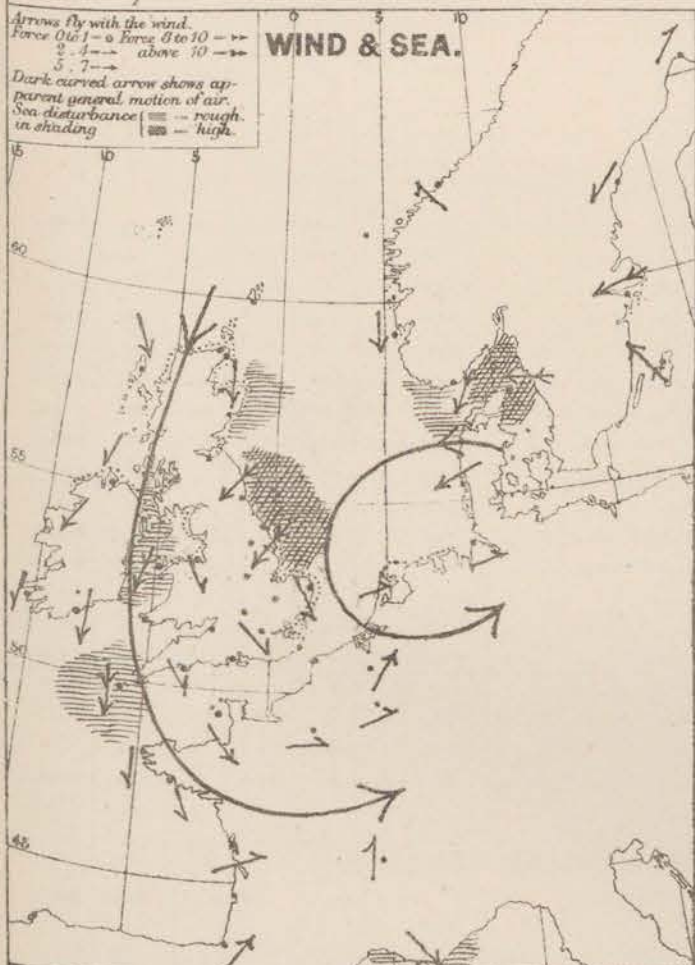
1. Isotherms shown by fine lines
2. Changes of temperature given in words.

TEMPERATURE.



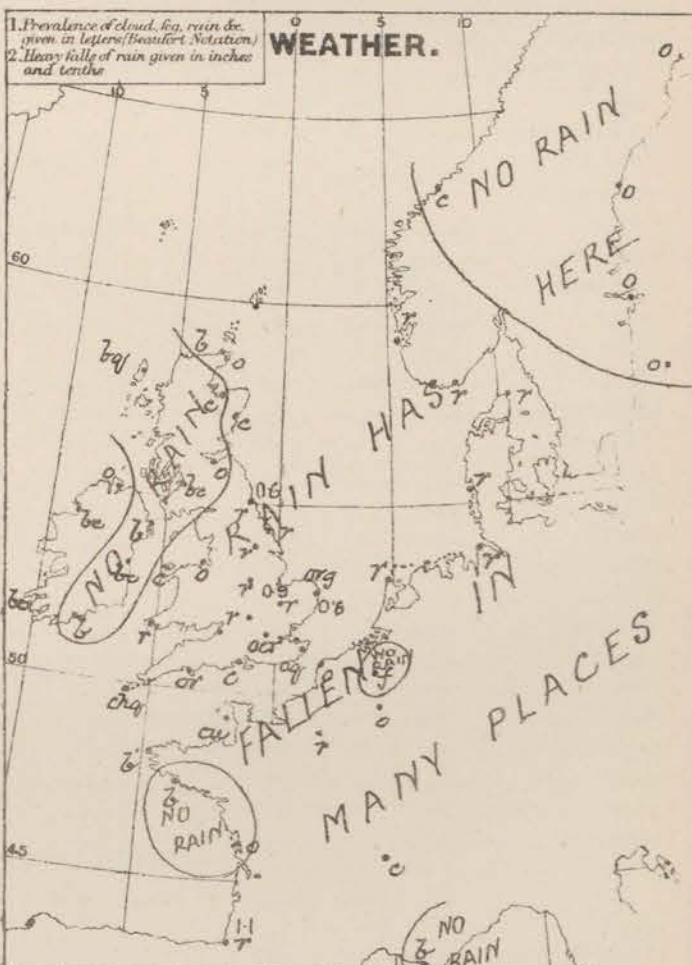
1. Arrows fly with the wind.
 - Force 0 to 10
 - Force 11 to 20
 - Force 21 to 30
 - Force 31 to 40
 - Force 41 to 50
 - Force 51 to 60
 - Force 61 to 70
 - Force 71 to 80
 - Force 81 to 90
 - Force 91 to 100
- Dark curved arrow shows apparent general motion of air.
- Sea disturbance in shading
- rough 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 fine in the NW. of France, and in the W. of Scotland, overcast elsewhere, with rain over the greater part of England, Holland and the North Sea generally, hail at Shields and Seilly. Thunderstorms occurred at Dover yesterday morning at Rye last evening, and at Seilly in the night; at Rye the rain fell exceeded 1.1 in. Temperature has risen very considerably in the N. and NE. of our islands, and also in some parts of Scandinavia, but has changed irregularly elsewhere. In London it is 4° lower than it was at dawn yesterday. Wind has increased to a fresh gale from the E. in Denmark and the S. parts of Scandinavia, to a strong breeze from NE. on the NE. coast of England, to a strong breeze from the N. in St. George's Channel, while fresh NW. winds are felt in the English Channel, moderate W. winds in France, and W. winds in the Netherlands. Sea is high on our NE. coasts, rough in the W. moderate or slight elsewhere.

Barometrical Indications. The depression which lay over the NE. of France yesterday morning has now reached the North Sea near the coast of Holland, in the course of the night it has become much deeper, and steep gradients for NE. winds prevail over Denmark, the German Ocean and the NE. of England this morning.

Hannings have been issued to Scotland, the Irish Sea and the SE. of England 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. R. H. SCOTT. Secretary.
116, Victoria Street, Westminster, S. W.

DAILY WEATHER REPORT

Nov 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.	BAROMETRE.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Dir.	Force. (0 to 15).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 15).			Max.	Min.		
Haparanda ...	29.23	28	Y	0	0	30.08	-.16	30	30	0	NE	2	0	*	30	28	-	
Hervösand ...	29.99	37	ENE	2	+	29.93	-.28	40	39	+ 5	NE	2	+	*	*	*	0.32	
Stockholm ...	29.69	42	NNE	4	+	29.81	-.08	36	36	- 6	Z	0	f	*	*	*	0.16	
Wiesby ...	29.71	40	SSE	4	+	29.75	+ .04	39	37	- 3	S	6	+	*	*	*	0.04	
Christiansund ...	29.62	39	ESE	4	+	29.63	-.21	40	36	- 1	E	2	bc	2	43	32	0.04	
Skudesnaes ...	29.42	46	ESE	6	0	29.44	-.12	45	40	+ 4	E	5	0	4	46	41	-	
Oxö (Årland) ...	29.45	44	E	8	0	29.42	-.05	45	41	+ 5	E	8	0	6	45	39	-	
Skagen (The Scaw)	29.50	44	ESE	7	bc	29.52	+ .07	44	41	0	ESE	7	0	7	48	36	0.32	
Fanö ...	29.22	39	SE	8	+	29.19	+ .17	40	39	- 7	SE	8	+	*	48	36	0.12	
Cuxhaven ...	29.21	37	S	9	+	29.18	+ .18	42	42	+ 2	S	8	0	*	?	32	0.39	
Sumburgh Head																		
Sørnøya ...	29.77	40	NNE	6	+	29.61	-.27	42	41	+ 2	N	7	to	7	43	38	0.17	
Thurso ...	29.67	45	NNE	6	+	29.55	-.29	43	43	- 1	NNE	3	p	4	48	42	0.19	
Wick ...	29.63	43	N	5	0	29.53	-.26	43	41	0	NE	1	bc	3	47	40	0.30	
Nairn ...	29.69	40	NE	6	0	29.49	-.34	42	41	+ 2	NE	7	+	6	44	40	0.14	
Aberdeen ...	29.46	44	N	8	+	29.40	-.27	42	40	- 1	N	6	bc	7	46	41	0.25	
Leith ...	29.38	44	NE	4	0	29.35	-.31	42	41	- 1	NE	4	+	*	48	41	0.02	
Shields ...	29.30	43	NE	11	0	29.24	-.23	43	42	- 2	NNE	4	bc	7	46	42	0.57	
Scarborough ...	29.14	44	NNE	10	+	29.13	-.21	45	43	+ 1	N	5	op	6	46	43	0.96	
York ...	29.21	43	NNE	6	+	29.19	-.18	40	39	- 1	N	2	bc	*	44	39	0.89	
Nottingham ...	29.23	42	NNN	7	+	29.25	-.11	41	40	- 1	NN	3	bc	*	43	40	0.43	
Ardrossan ...	29.60	43	NNE	3	bc	29.39	-.34	45	41	+ 5	NNE	3	0	2	47	40	0.01	
Greencastle ...	29.73	43	N	4	0	29.55	-.28	46	43	+ 2	N	5	0	*	47	39	0.19	
Donaghadee ...	29.65	45	NNE	7	bc	29.45	-.29	47	44	+ 3	N	8	+	6	47	43	-	
Kingstown ...	29.66	43	NNN	7	bc	29.49	-.25	42	40	+ 1	NN	5	0	5	46	39	0.01	
Holyhead ...	29.53	47	NNN	7	0	29.37	-.20	46	44	0	N	7	+	5	48	38	0.05	
Liverpool (Bidston)	29.39	44	NN	6	0	29.31	-.17	43	41	- 1	NN	4	0	4	44	42	0.04	
Valencia ...	29.91	46	N	5	0	29.79	-.13	46	41	+ 1	N	5	+	5	49	42	0.07	
Roche's Point ...	29.78	41	N	6	bc	29.67	-.12	43	39	+ 1	NNN	6	bc	4	47	40	-	
Pembroke ...	29.57	44	N	5	0	29.48	-.09	45	42	+ 2	NNN	6	+	4	46	?	0.12	
Portishead ...																		
Seilly ...	29.64	48	N	9	0	29.61	-.06	46	46	0	NNN	8	0	6	48	44	0.01	
Plymouth ...	29.52	42	NN	5	0	29.48	-.03	41	40	0	NN	4	bc	*	46	40	0.07	
Hurst Castle ...	29.33	42	NNN	5	+	29.34	-.04	42	40	+ 1	NN	4	+	4	44	38	0.20	
Dover ...	29.14	40	NN	4	0	29.21	-.05	40	39	0	N	4	bc	3	43	39	0.86	
London ...	29.20	41	NNN	5	or	29.26	-.04	42	39	+ 2	NN	4	+	*	42	39	0.46	
Oxford ...	29.26	40	NN	4	+	29.29	-.07	42	39	+ 2	NN	2	0	*	43	37	0.30	
Cambridge ...	29.12	40	N	3	+	29.19	-.07	41	39	0	NN	2	0	*	43	39	0.95	
Yarmouth ...	28.92	45	NNN	6	+	29.03	-.11	42	42	- 1	NNN	5	+	4	46	40	1.44	
Thg Helder ...	*	*	*	*	*	28.81	-.19	46	44	+ 3	SSN	4	+	*	*	*	0.87	
Cape Gris Nez	29.16	41	N	7	+	29.23	-.04	43	41	+ 2	NNN	7	0	6	45	41	0.67	
Jersey ...	29.45	43	NNN	4	+	29.48	-.01	44	43	- 1	NN	4	bc	4	47	43	0.56	
Brest ...	29.63	46	N	5	+	29.63	-.02	45	41	+ 4	N	5	0	4	48	37	0.71	
L'Orient ...																		
Rochefort ...	29.65	48	NNN	2	bc	29.69	+ .03	46	45	0	Y	0	0	0	?	41	0.43	
Biarritz ...	29.67	48	SSN	4	+	29.70	-.04	45	41	- 1	SN	6	+	4	50	41	0.51	
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	29.23	-.02	40	40	+ 4	SN	5	+	*	42	?	0.59	
Charleville ...	*	*	*	*	*	29.28	.00	41	*	+ 4	SN	3	+	*	*	*	*	
Paris ...	29.42	43	NNN	4	+	29.52	+ .05	43	41	+ 2	NNN	3	+	*	*	*	0.04	
Lyons ...	*	*	*	*	*	29.73	+ .04	46	*	- 2	N	2	0	*	*	*	*	
Toulon ...	29.84	46	N	2	+	29.76	-.01	43	43	0	NN	5	+	4	52	39	0.55	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	
Skudesnaes	29.38	45	42	ENE	2	+	Valencia	29.90	49	43	N	4	bc	5
Thurso	29.73	45	44	NNE	6	+	Seilly	29.62	48	46	NNE	9	0	6
Scarborough	29.19	44	43	NNE	10	+	London	29.21	41	40	NN	5	or	*
Mullaghmore	29.84	45	44	NN	7	bc	Roche fort	29.64	48	45	SE	2	bc	3
Holyhead	29.55	47	43	NNN	8	0								

The barometer is falling fast on our east coasts and slightly elsewhere. The depression over the North Sea appears to be moving westwards, and the gale on our north-east coasts is spreading, both northwards and southwards.

Mullaghmore	29.81	45	44	bc	29.65	-.24	46	45	+ 1	N	7	bc	4	46	42	0.13
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EXPLANATION OF COLUMNS.

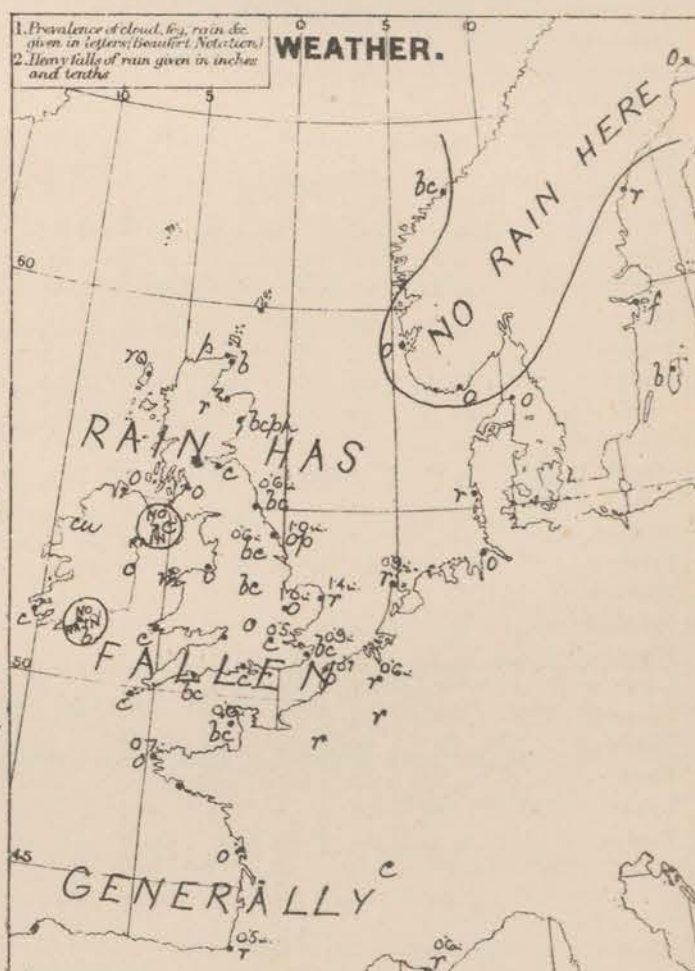
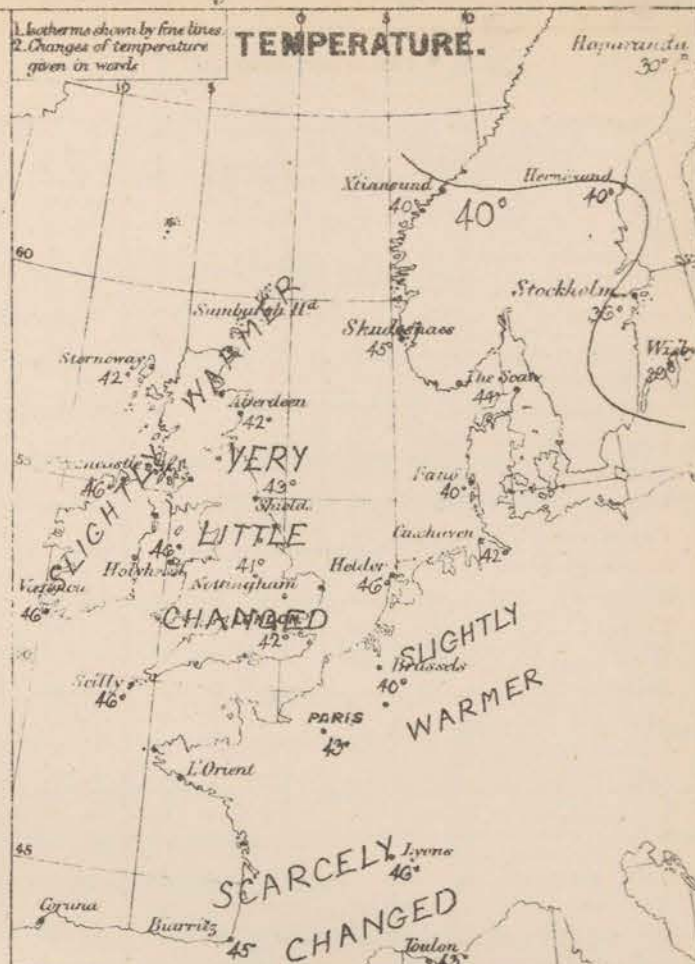
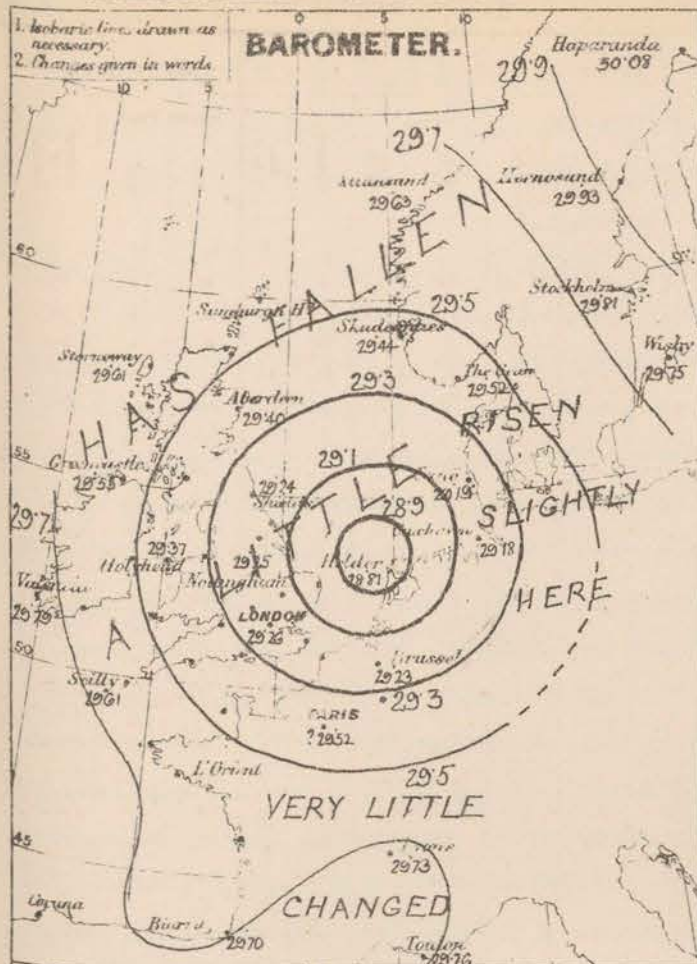
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 16TH Nov^R 1878*



Note A dotted line is drawn round those constants on which the signals are now based.

REMARKS. Weather is finer over the greater part of England than it was yesterday, but rain still falls on many parts of our east coast as well as in Scotland, the north east of France and at Fano. Hail is reported at Aberdeen, and a threatening appearance in the extreme north west of Ireland. Nearly an inch and a half of rain has fallen at Yarmouth, an inch at Scarborough and Cambridge, 0.9 in at Dover and the Helber, 0.7 in at Cape St. Vey and Brest, 0.6 in at Shields, York, Jersey and Brussels, and 0.5 in in London and at Biarritz. Temperature has again risen slightly in Scotland and Ireland, but shows no change in England. In London the tall range during the past 24 hrs has been only three degrees (30° to 42°). Wind is strong to a gale from NE and N, on our northern and western coasts, moderate to fresh from NW in the north (but strong locally at Cape St. Vey) and moderate from W. to SW in the north east of France, while a fresh S. to SE gale is felt in Denmark and half Germany, and an E. gale in the south of Norway. Very severe NE gales were felt on our north east coasts during yesterday, but these have subsided. Sea is high on the Scotch coasts, rough in the ^{Irish} west, and at Cape St. Vey, moderate in the Channel.

Barometrical Indications. The depression noticed in the south east yesterday is still found near the Dutch coast, and the barometer has sunk to 29.9 in at the Helber. In the meantime, however, pressure has become reduced somewhat in the west and north, so that gradients for N winds, though still steep, are less so than they were yesterday. There are signs of additional local disturbances off the west of Norway and north of Bay of Biscay and also over the Mediterranean.

Warnings. The warning signals are still up on all coasts.

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

R. H. SCOTT.
Secretary.

SUMMARY OF WEATHER IN WESTERN EUROPE

from NOV. 10TH to NOV. 16TH 1878.

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

The weather has continued in an exceedingly unsettled state during the whole of this period. The week opened with a very rapid fall of the barometer occasioned by the advance of a large and complicated depression over Scotland, and during Sunday gales and heavy rain were general. On Monday the disturbance was moving away over Norway, the barometer was rising and strong N^W winds prevailed; but on Monday evening and Tuesday the barometer was falling again, and three depressions were shown. One of these was in the N., a second in the N.E., and a third in the S.W. N^W winds still continued and increased to a hard gale in the N. and S.W. during the day. On Wednesday a broad band of low readings stretched across France and the North Sea to Norway, within which four distinct minima were observable; to the N^W of this band N^W winds continued, while S^W breezes were reported in the east. On Wednesday evening pressure was recovering again, and the depression in the S.E. was apparently falling up. On Thursday morning, however, the disturbance was deepening again, and on Friday (when it had apparently coalesced, with a deep depression advancing from the Baltic), steep gradients prevailed over Western Europe, and severe N^W to N.E. gales were once more experienced on our coasts. On Saturday the depression still lay near the Helder, and the winds circulated round it as on the previous day, though with less force. The barometer was falling in nearly all places. Rain, snow and hail have occurred generally, thunderstorms have occurred in several places and temperature has oscillated considerably, but has been below the average.

SUNDAY NOV: 10TH

Weather fine at 8 am. in N.E., N. and N.W., cloudy elsewhere with much rain over Southern and Central England. Very unsettled all day; heavy rain falling in the S. snow in the N.
Temperature much higher than on the 9th except in the S.W. of France especially over England. Thermometer falling again at night, but the minima not very low over England.

Wind E^{SE} at Skudesnass and in the Shetlands, N^W in the N.W., and N^W to S^W in the S. and E., fresh to very strong S.W. gale over nearly the whole of Western Europe during day, veering to N.W. in the N. and N.W. at night.

Sea rough or high in the N. and S.

Barometer falling everywhere, very rapidly over these Islands; deep depression crossing Scotland, and slight subsidiary disturbances over England. Pressure increasing quickly in N. in the evening as disturbance passes away.

MONDAY NOV: 11TH

Weather fair over the greater part of these Islands and the N. of France, but snow falling in the N. of Scotland, and sky overcast with rain to the E^W of the North Sea. Rain, hail and snow very general during day, and heavy in N. and N.W.

Temperature risen over France, fallen over these Islands; readings varying from 47° at Scilly to 32° at Wick. Frost experienced in N. and E. at night.

Wind N.W. on all our coasts, S^W over Denmark and Scandinavia, still strong in force but gale subsiding. Wind backing to S.W. temporarily over S.E. England in the evening.

Sea rough to high except on our E. coast.

Barometer rising except in the S. and E. of France, Denmark, Norway and Sweden; depression shown over the S. of Norway. Secondary disturbance passing across England during day, causing a decrease, and subsequently recovery of pressure.

TUESDAY NOV: 12TH

Weather variable, snow, hail and rain showers at several stations. No improvement during day, rain or snow being measured in most places. Thunder heard at Scilly.

Temperature lower than on the 11th, except in N.; low in the S.E. but moderately uniform. Maxima low generally, and frost occurring in E. and N. at night.

Wind N^W on our coasts, N^W in France, S^W to the E^W of the North Sea, moderate to strong in force and blowing a gale at Scilly and Stonoway. Wind stronger generally late on, and heavy gale in N. Scotland, and at the mouth of the Channel.

Sea rough in the S. and in the Minch, tremendously high at Thurso in afternoon.

Barometer rising in N. falling in S. A large depression over the N. of Norway, smaller disturbances, one off the Yorkshire coast, another over the Channel and west of France. The last subsequently getting deeper.

WEDNESDAY NOV: 13th

Weather exceedingly unsettled, rain falling in places, and some fog and mist prevailing. Rain falling during day except in the NE. and NW. - heavily over France. Thunderstorm at Dover.

Temperatures risen a little except in SW France, still uniform. Maximas higher than on 12th, and scarcely any frost experienced in following night.

Winds N^W on our coasts, but S^W over the eastern half of N^W Europe, strong in force at the N^W stations, and blowing a severe gale at Scilly and Comina.

Sea rough in the SW. high in the N. and N.

Barometer rising in N. and N. falling slightly in SE. and quickly in the SW. of France. Readings high over the Atlantic and Scandinavia. Large band of low pressure stretching S^W from the N. of Norway across the North Sea and France to the Gulf of Lyons. Four distinct minima found in this band.

THURSDAY NOV: 14th

Weather dull and wet in the SE., but very fine at first over the greater part of these Islands and the N. of France. Rain falling subsequently except in the E. of Ireland, and some parts of our S. coast.

Temperatures higher than on the 13th over England and Ireland, lower elsewhere, weather very cold in the E. & SE. of France.

Winds E^W over the North Sea, N^W on our coasts, NW^W to N^W in France, S^W in the Netherlands. Moderate to strong generally, and blowing a gale at Biarritz and Comina. The E^W wind rising to a gale over Scandinavia at night, which extended to our NE. coasts before morning.

Sea rough in the SW. and E.

Barometer rising except in the SE. Readings highest to the NW of Ireland, lowest in the SE. Pressure giving way again at night, and small deep depression apparently advancing over Denmark.

FRIDAY NOV^R 15th

Weather fair in Ireland and in the N. of Scotland, dull and wet in most other places - no improvement during the day, cold rain falling everywhere, heavily in the east.

Temperatures risen considerably in the NW. and NE., but changed slightly and irregularly in the S. and over France. Readings very uniform and diurnal range small.

Winds still E^W over North Sea, NE^W to N^W on our coasts, and N^W over France; fresh generally. An E^W gale blowing over the S. of Scandinavia, and a severe NE^W gale in the NE. of England. Gales in many places during day and succeeding night.

Sea high N. and E.

Barometer falling except in the N. of Scotland and Sweden. Depression over SW portion of North Sea, much deeper than on 14th, getting still deeper during day, but scarcely changing its position.

SATURDAY NOV: 16th

Weather rather finer over the greater part of England, but still dull and wet in the E. of Great Britain; unsettled all day and rain general, with some hail.

Temperatures risen slightly in Ireland and Scotland, changed little elsewhere. - Very uniform over N^W Europe. The maxims between 45° and 50° in most places.

Winds SW^W over Belgium and the NE. of France, S^W to E^W on the eastern shores of the North Sea, but N^W on our coasts; - fresh to strong in force, and blowing a gale in the Irish Sea and at Scilly, in North Germany, and the south of Norway. Falling somewhat in the E. and increasing in the N. during the day.

Sea rough at many stations.

Barometer rising slightly over France and the SE. of England, falling elsewhere. Depression now considerably deeper still lying near the Helles, where the 8 a.m. reading was 28.8 in. Barometer subsequently rising except in the SW. and disturbances beginning to fill up.

Meteorological Office,

116 Victoria Street, Westminster, S. W.

ROBERT H. SCOTT, Secretary.

DAILY WEATHER REPORT

NOV 17th 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 Reading at 32° F. and Sea Level.	SHADE TEMP.			WIND.		Weather.	Sea. (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	29.97	30	E	4	o	29.92	- .16	30	30	0	NE	4	o	*	32	30	-		
Hernösand	29.96	30	NNW	2	c	30.00	+ .07	30	?	- 10	NNW	2	o	*	*	*	-		
Stockholm	29.84	37	S	2	f	29.86	+ .05	42	41	+ 6	ESE	2	f	*	*	*	0.04		
Wisby	29.78	42	SSE	4	b	29.76	+ .01	43	42	+ 4	SSE	6	o	*	*	*	-		
Christiansund	29.71	41	ESE	1	b	29.76	+ .13	39	35	- 1	ESE	3	b	2	45	32	-		
Skudesnaes	29.52	46	E	4	o	29.63	+ .19	46	40	+ 1	ENE	6	o	4	46	45	-		
Oxö (Xiansand)	29.48	43	E	8	r	29.60	+ .18	41	40	- 4	NE	4	o	3	45	39	0.39		
Skagen (The Scaw)	29.56	45	ESE	8	o	29.62	+ .10	45	43	+ 1	SSE	4	o	4	46	37	0.39		
Fanö	29.32	42	SSE	6	o	29.50	+ .31	41	40	+ 1	SSE	5	c	*	?	37	0.12		
Cuxhaven	29.28	42	S	5	o	29.56	+ .38	39	39	- 3	S	1	c	*	?	37	0.16		
Sumburgh Head																			
Stornoway	29.68	42	NNE	7	o	29.83	+ .22	40	40	- 2	N	3	c	7	44	39	0.37		
Thurso	29.63	45	NNE	3	v	29.81	+ .26	44	43	+ 1	NNW	2	bm	3	49	42	0.04		
Wick	29.62	42	N.	2	bc	29.81	+ .28	38	37	- 5	NW	1	b	5	47	35	0.06		
Nairn	29.64	40	NE	3	r	29.79	+ .30	40	39	- 2	NW	3	b	3	44	39	0.10		
Aberdeen	29.49	42	N	6	b	29.68	+ .28	42	40	0	N	6	b	7	46	40	0.14		
Leith	29.47	43	NE	3	bc	29.66	+ .31	44	42	+ 2	NNE	3	c	*	46	41	-		
Shields	29.35	45	NNE	6	bc	29.84	+ .30	46	43	+ 3	NNE	7	c	6	46	42	0.23		
Scarborough	29.25	44	N	5	r	29.44	+ .31	46	44	+ 1	N	6	o	5	46	43	0.70		
York	29.28	42	N	2	r	29.49	+ .30	42	41	+ 2	N	3	r	*	43	39	0.42		
Nottingham	29.34	43	NNW	3	r	29.53	+ .28	43	40	+ 2	NW	3	c	*	46	40	0.02		
Ardrrossan	29.55	43	NNE	3	b	29.75	+ .36	40	36	- 5	NNE	2	b	1	49	39	-		
Greenacastle	29.60	46	N	4	o	29.81	+ .26	45	43	- 1	N	3	bc	*	47	43	0.35		
Donaghadee	29.59	47	NNE	7	bc	29.77	+ .32	45	43	- 2	NNE	7	b	5	48	45	-		
Kingstown	29.59	44	NW	4	b	29.77	+ .28	43	41	+ 1	NNW	4	b	4	46	39	-		
Holyhead	29.50	47	NNE	6	b	29.69	+ .32	46	42	0	N	6	b	5	48	45	0.02		
Liverpool (Bidston)	29.43	44	NW	4	c	29.61	+ .30	43	41	0	NW	4	c	4	45	42	-		
Valencia	29.81	48	N	5	o	29.97	+ .18	46	42	0	N	4	c	4	50	43	0.09		
Roche's Point	29.63	42	N	7	c	29.84	+ .19	43	40	0	N	6	b	4	48	41	-		
Pembroke	29.57	44	NNE	3	bc	29.69	+ .21	44	43	- 1	NW	4	bc	3	46	40	0.40		
Portishead																			
Scilly	29.84	48	NW	9	o	29.74	+ .13	48	46	+ 2	N	7	v	6	49	42	0.14		
Plymouth	29.45	41	NNW	3	b	29.66	+ .18	36	36	- 5	NW	2	bm	*	46	35	0.19		
Hurst Castle	29.39	44	NNW	2	c	29.56	+ .22	42	40	0	NNW	3	c	3	45	36	-		
Dover	29.34	49	W	4	b	29.48	+ .27	41	40	+ 1	W	3	cg	1	44	39	-		
London	29.35	44	NNW	3	od	29.52	+ .26	42	40	0	NW	2	o	*	45	40	-		
Oxford	29.39	42	W	1	o	29.55	+ .26	40	39	- 2	W	1	o	*	46	40	-		
Cambridge	29.32	42	NNW	1	r	29.49	+ .30	41	41	0	NW	1	o	*	45	39	0.02		
Yarmouth	29.19	42	NNW	5	r	29.40	+ .37	41	41	- 1	NNW	3	r	3	44	39	0.34		
The Helder	*	*	*	*	*	29.34	+ .53	44	42	- 2	S	2	r	*	*	*	0.51		
Cape Gris Nez	29.36	45	W	4	bc	29.50	+ .27	43	41	0	NNW	3	o	3	46	43	-		
Jersey	29.45	45	NNW	2	o	29.63	+ .15	45	43	+ 1	NNW	3	o	3	48	40	0.70		
Brest	29.59	46	N	4	r	29.71	+ .08	43	41	- 2	N	3	o	3	48	37	0.32		
L'Orient	29.61	43	NW	3	bc	29.69		43	?		NNW	3	bc	3	50	39	0.08		
Rochefort	29.64	52	NNW	6	r	29.70	+ .01	46	45	0	W	4	r	3	57	41	0.47		
Biarritz	29.76	50	SW	7	r	29.77	+ .07	48	43	+ 3	SW	5	o	3	52	41	0.47		
Corunna	*	*	*	*	*	29.98	- .02	47	*	+ 6	NE	6	cp	7	*	*	*		
Brussels	*	*	*	*	*	29.52	+ .29	39	38	- 1	SW	5	o	*	44	39	0.12		
Charleville	*	*	*	*	*	29.57	+ .29	39	*	- 2	SW	1	o	*	*	*	*		
Paris	29.57	43	?	2	c	29.63	+ .11	40	39	- 3	WSW	1	o	*	*	*	-		
Lyons	*	*	*	*	*	29.79	+ .06	50	*	+ 4	S	?	p.	*	*	*	*		
Toulon	29.75	48	E	3	bc	29.91	+ .15	43	41	0	W	0	b	4	50	43	0.35		

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.49	45	39	E	6	o	4	Valencia	29.76	49	45	N	5	og p	6
Thurso	29.59	46	43	NNE	4	bc	4	Scilly	29.55	47	46	NN	9	og h r	7
Scarborough ...	29.19	45	44	N	5	r	5	London	29.30	45	43	NNN	2	cm	*
Mullaghmore ...	29.64	47	46	N	9	c	6	Rochefort ...	29.66	50	46	NNN	5	c	3
Holyhead	29.43	47	43	NNE	7	e	5								

The barometer continues to fall on the south-western coasts, but has risen a little elsewhere. Hardly any other change is reported.

Mullaghmore	29.70	46	NNW	8	c	29.88	+ .23	45	44	- 1	N	6	bc	5	48	44	0.09
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EXPLANATION OF COLUMNS.

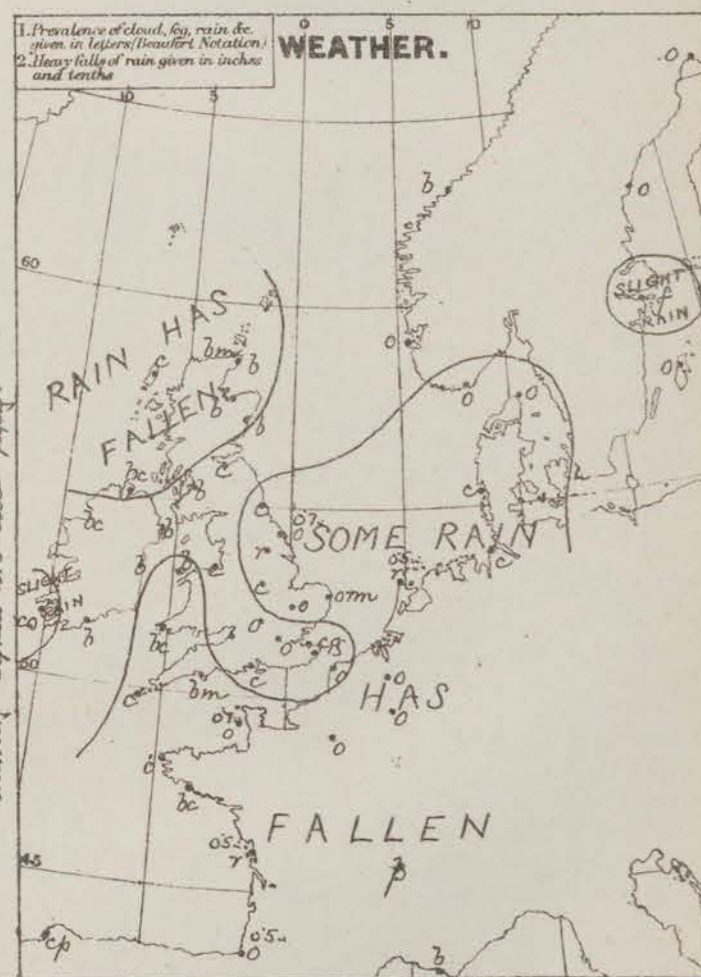
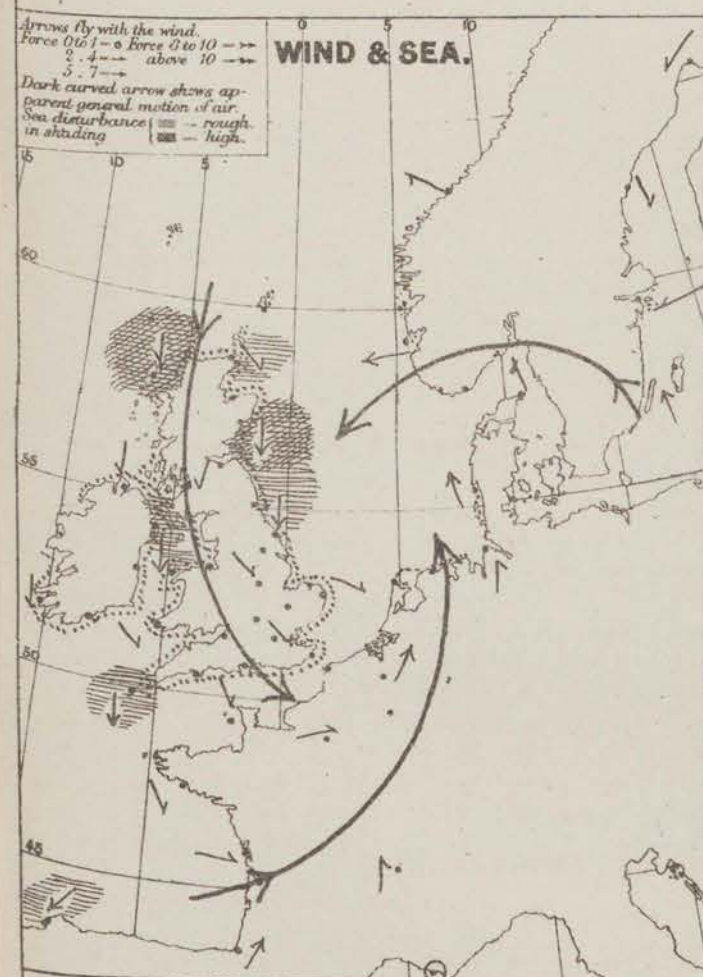
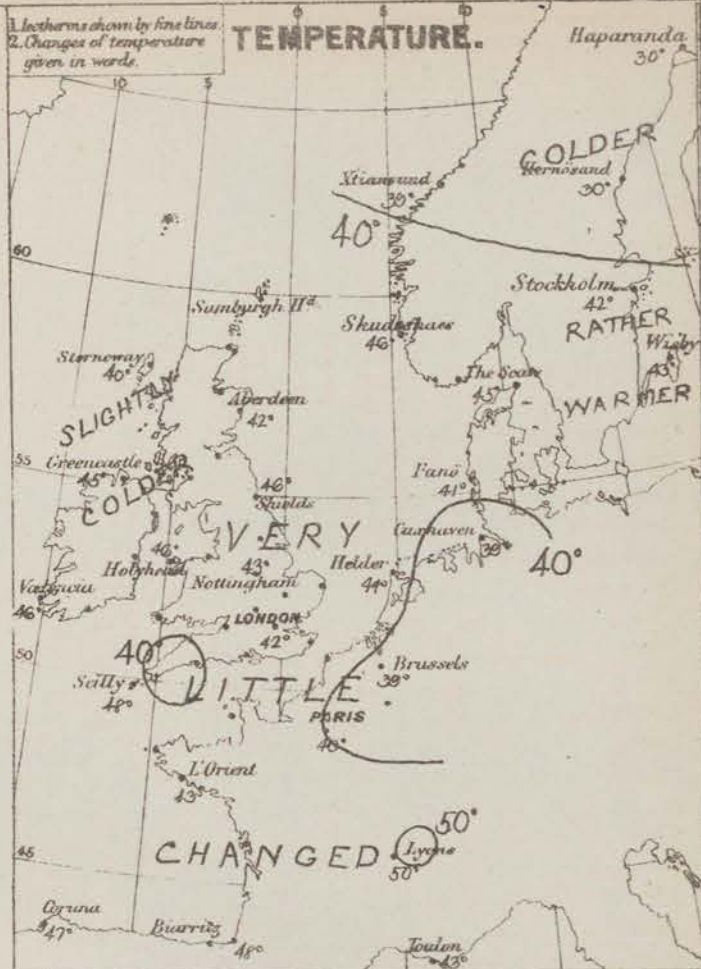
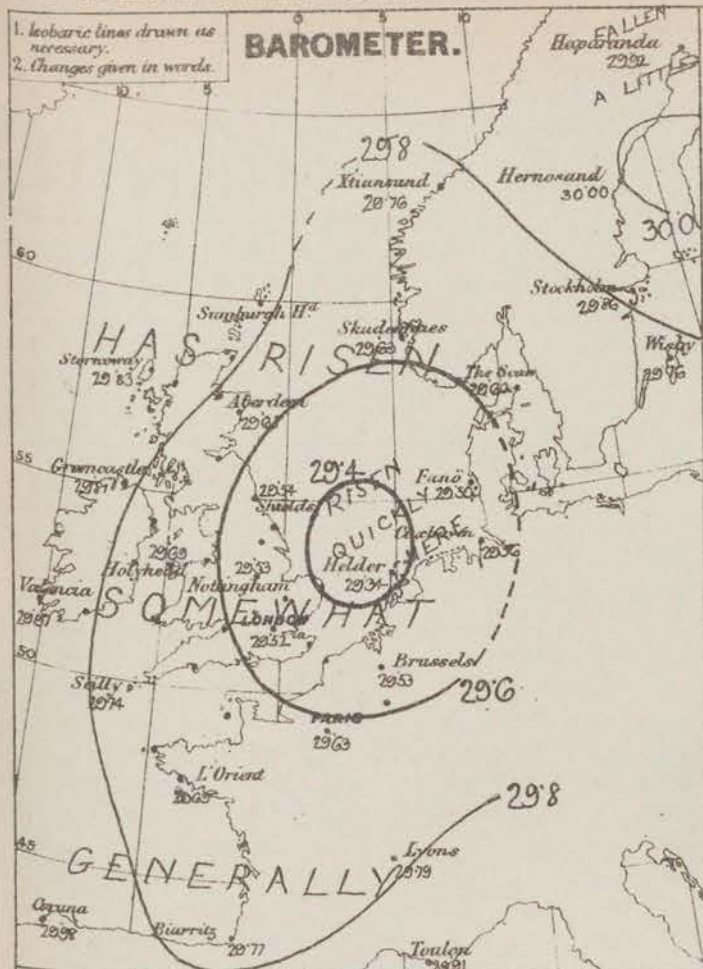
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

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

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

WEATHER CHARTS for 8 a.m. on Sunday 17th Nov^r 1878.



REMARKS. Weather is fine on our western and northern coasts but continues dull elsewhere, rain mist and glooms are still reported from some of the south eastern stations, and rain from some parts of France. Distant thunder was heard at Havre yesterday afternoon, and lightning was seen at Rocher P^o and Penmarch during the night. Rain fell in many places yesterday - to the amount of 0.7 in at Harbors and Jersey, and of 0.5 in at the Helder, Rochefort and Biarritz. Temperature has fallen a little in the north west of our Islands, but has not changed much elsewhere; readings are at present between 40° and 45° in most parts of the kingdom but at Plymouth the thermometer is as low as 36°, while at Sully it is as high as 48°. Wind is little changed, being still N^o on the greater part of these Islands, but drawing into NW on our south east coasts, into S. over the Netherlands and Denmark, and into E or NE over the south of Norway; a moderate gale is still blowing at the mouth of the Tyne and at some of our western stations, but the winds are, upon the whole, inclined to subside. Sea is rough in the N, NE and NW, high at Stornoway and elsewhere. Barometrical indications. The barometer is now rising generally and rather briskly, and the depression in the south east, though still in the same position that it occupied yesterday, is quickly "filling up" and pressures are consequently becoming less steep. Mornings. The morning signals are still up on all our coasts.

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116, Victoria Street, Westminster, S. W.

R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT

Nov^R 18TH 1878.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PART 24 HOURS.		
	Barometer at 320 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 12).		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 12).			Max.	Min.		
Haparanda	29.93	31	NE	2	S	29.97	+ .05	30	30	0	NE	2	f	*	32	30	0.12	
Hernösand	30.05	33	SE	0	0	30.06	+ .06	34	33	+ 4	SW	2	c	*	*	*	-	
Stockholm	29.97	42	ENE	3	0	30.07	+ .21	38	36	- 4	ENE	4	0	*	*	*	-	
Wisby	29.87	42	SSE	4	0	29.92	+ .16	41	40	- 2	E	6	0	*	*	*	-	
Christiansund																		
Skudesnaes	29.89	44	SE	0	0	30.11	+ .48	37	35	- 9	ENE	2	df	2	46	37	-	
Oxö (Klansand)	29.86	40	N	4	0	30.10	+ .50	42	40	+ 1	NNE	4	0	2	46	37	-	
Skagen (The Sæw)	29.85	44	E	2	0	30.04	+ .42	44	42	- 1	ENE	3	0	2	45	37	0.35	
Fanö	29.80	40	ENE	4	0	30.02	+ .52	34	34	- 7	NNE	2	f	*	43	34	0.12	
Cuxhaven	29.67	43	SSE	1	0	29.99	+ .43	40	40	+ 1	E	1	0	*	43	37	0.01	
Sumburgh Head																		
Stornoway	29.98	43	N	1	0	30.15	+ .32	36	35	- 4	SE	0	0	0	45	33	-	
Thurso	29.95	45	N	2	0	30.17	+ .36	37	37	- 7	SSE	1	0	2	49	35	0.02	
Wick	29.91	37	N	1	0	30.16	+ .35	34	34	- 4	N	1	0	2	47	31	-	
Nairn	29.97	39	SE	0	0	30.19	+ .40	34	33	- 6	SE	0	0	2	44	33	-	
Aberdeen	29.88	42	N	5	0	30.17	+ .49	39	38	- 3	NNW	2	0	4	47	38	-	
Leith	29.88	43	NNE	2	0	30.16	+ .50	35	34	- 9	N	3	bcw	*	52	34	-	
Shields	29.76	47	NNE	7	+	30.11	+ .57	47	44	+ 1	ENE	2	bc	5	47	45	0.11	
Scarborough	29.65	46	N	8	+	30.05	+ .61	47	45	+ 1	NE	4	c	4	47	46	0.07	
York	29.70	46	N	5	0	30.07	+ .58	43	42	+ 1	N	1	0	*	48	40	0.08	
Nottingham	29.68	45	NNW	4	0	30.03	+ .50	42	41	- 1	N	3	0	*	47	42	0.03	
Ardrossan	29.93	41	NNE	1	0	30.17	+ .42	31	29	- 9	NE	1	bcw	0	49	30	-	
Greencastle	29.94	45	N	3	0	30.16	+ .35	42	40	- 2	ESE	2	0	*	50	41	0.04	
Donaghadee	29.86	46	NNW	4	0	30.21	+ .44	45	42	0	N	3	0	2	48	44	-	
Kingstown	29.93	44	NNW	4	0	30.18	+ .41	39	37	- 4	N	3	bc	3	46	37	-	
Holyhead	29.85	48	N	6	0	30.12	+ .43	46	44	0	NNE	4	0	4	49	45	-	
Liverpool (Bidston)	29.80	46	NNW	3	0	30.10	+ .49	44	42	+ 1	NNW	2	c	1	46	43	-	
Valencia	30.06	48	N	3	0	30.25	+ .28	42	40	- 4	NNE	1	c	2	57	41	0.04	
Roche's Point	30.00	45	NNW	4	0	30.19	+ .33	40	37	- 3	NNW	3	0	3	49	38	-	
Pembroke	29.87	46	N	2	0	30.08	+ .39	44	42	0	N	2	0	1	48	43	0.01	
Portishead																		
Scilly	29.88	49	N	6	0	30.05	+ .31	49	48	+ 1	NNE	6	c	6	49	46	-	
Plymouth	29.80	44	NNW	4	0	29.99	+ .33	41	39	+ 5	N	3	0	*	47	36	-	
Hurst Castle	29.69	44	NNW	3	0	29.85	+ .32	46	44	+ 4	NE	4	c	3	46	40	-	
Dover	29.57	42	N	4	0	29.85	+ .37	45	43	+ 4	NE	5	c	4	47	41	0.42	
London	29.60	44	NNW	3	0	29.93	+ .41	44	42	+ 2	ENE	3	c	*	46	42	0.09	
Oxford	29.68	45	NNW	4	0	?	?	43	40	+ 3	N	2	c	*	46	42	0.04	
Cambridge	29.57	43	NNW	3	+	29.86	+ .37	41	41	0	N	1	0	*	47	39	0.08	
Yarmouth	29.42	45	NNW	3	+	29.93	+ .53	44	43	+ 3	ENE	4	bc	3	45	40	0.21	
The Helder	*	*	*	*	*	29.91	+ .57	42	41	- 2	E	1	c	*	*	*	0.12	
Cape Gris Nez	29.58	45	NNW	3	+	29.81	+ .30	41	41	- 2	ENE	3	bc	2	46	41	0.28	
Jersey	29.74	46	N	2	0	29.85	+ .22	48	45	+ 5	NNE	6	bcw	5	48	44	0.06	
Brest	29.86	48	N	4	0	29.99	+ .28	46	43	+ 3	NNE	4	bc	3	48	39	0.16	
L'Orient	29.81	43	NNW	3	+	29.94	+ .25	45	?	+ 2	NNW	3	bc	3	50	39	0.08	
Rochefort	29.82	50	SE	0	0	29.90	+ .20	45	41	- 1	N	2	bc	3	57	37	-	
Biarritz	29.83	50	NNW	5	+	29.89	+ .12	43	39	- 5	SSW	5	0	4	52	39	1.06	
Corunna	*	*	*	*	*													
Brussels	*	*	*	*	*	29.87	+ .34	41	40	+ 2	SSE	1	+	*	43	40	0.28	
Charleville	*	*	*	*	*	29.80	+ .23	41	*	+ 2	S	3	0	*	*	*	*	
Paris	29.75	43	?	2	c	29.89	+ .26	40	39	0	NNW	1	c	*	*	*	0.04	
Lyons	*	*	*	*	*	29.96	+ .17	48	*	- 2	S	2	+	*	*	*	*	
Toulon	29.88	48	N	2	0	29.84	+ .07	44	44	- 2	NE	6	0	5	52	41	0.47	

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

Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes	29.77	46	40	ENE	6	0	3	Valencia			
Thurso								Scilly			
Scarborough								London			
Greencastle						*		Rochefort	29.75	52	46
Holyhead											

Mullaghmore	30.02	46	NNE	4	0	30.21	+ .33	38	38	- 8	SSW	1	0	1	46	37	-
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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.

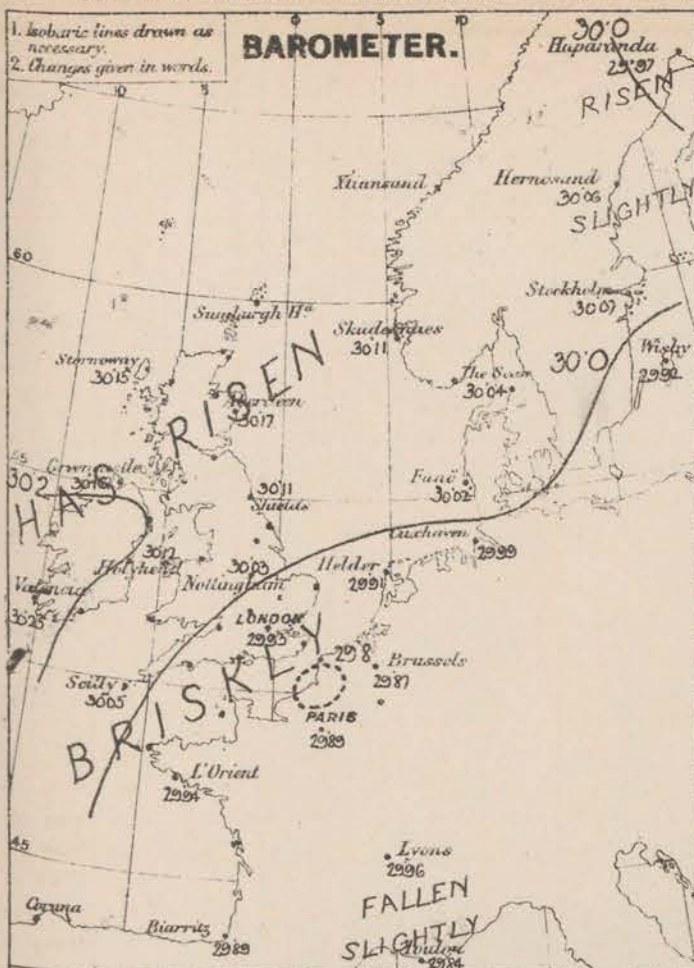
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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 18th Nov^r 1873.

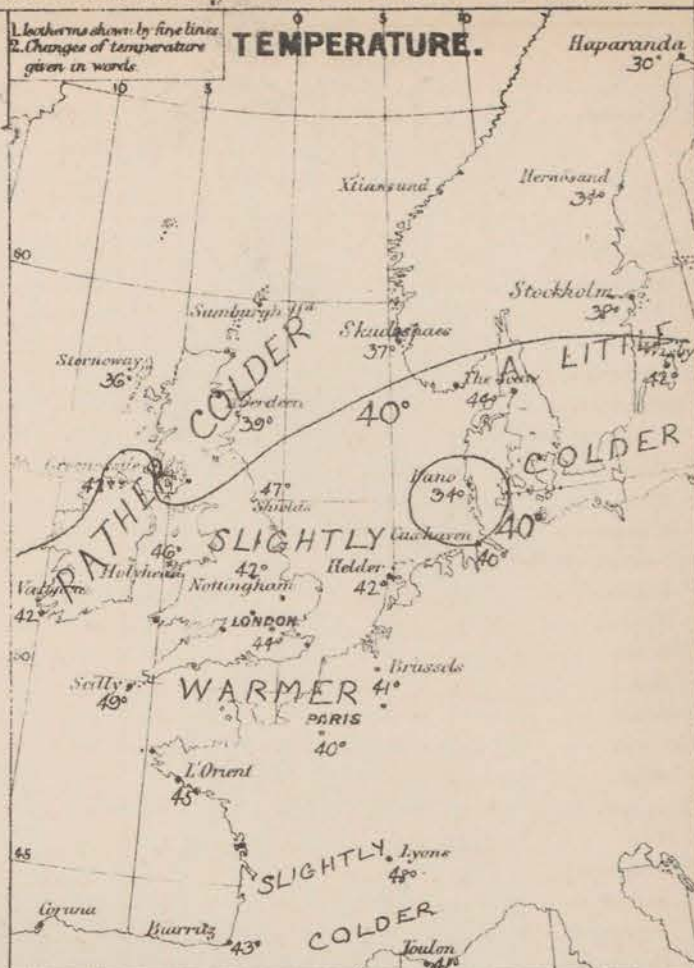
1. Isobaric lines drawn as necessary.
2. Changes given in words.

BAROMETER.



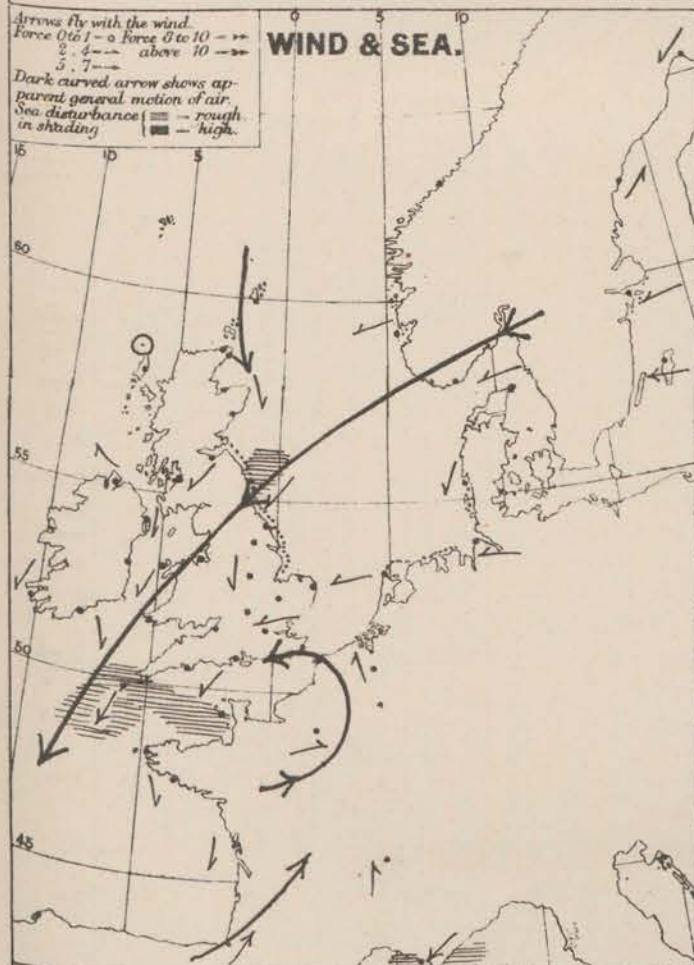
1. Isotherms shown by fine lines.
2. Changes of temperature given in words.

TEMPERATURE.



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

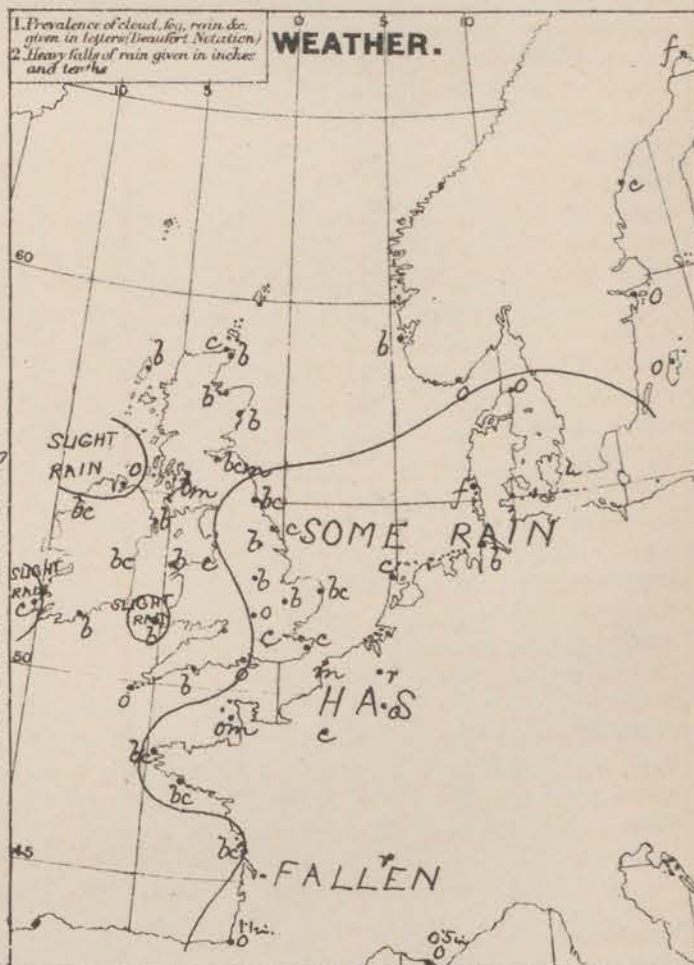
WIND & SEA.



Note: A dotted line is drawn round these areas which were warned last evening.

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 fair in nearly all parts of Western Europe and the sky is clear at most of our stations. Rain has fallen at our southern, south-western and north-eastern stations as well as over France; at Biarritz more than an inch has been measured. Temperature has fallen several degrees in the north and west, but has risen slightly in the south; readings vary from 49° at Seilly to 36° at Haparanda and during last night the thermometer in the shade fell to 30° at Anderson and to 31° at Wick. The amount of daily range in the twenty-four hours just ended has been extremely small on the north-east coast of England - only one degree (47-46) at Harlow, and two degrees (47-45) at Shields. Wind is NE to N by E over the greater part of our area, but is SW at Biarritz, while at Mullaghmore a light SW breeze has sprung up this morning; it is fresh or strong in force over the Channel and at Biarritz but is moderate to light elsewhere. A moderate gale was experienced in the north-east last evening. Sea is rough in the south-west and at Shields, moderate to slight in our other areas.

Barometrical Indications. Pressure is increasing in all places, the change being brisk generally and rapid in the north-east. Readings remain highest over Ireland and lowest in the south-east. Gradients, however, are slight.

Warnings. The following message was sent to our north-east coasts last evening: - "Barometer rising quickly north. Ceased rising south-east. Strong NE breeze Shields. Hoist North Cone. Sumbury. Run aloft." 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.

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

R.H. SCOTT.

Secretary

DAILY WEATHER REPORT

NOV 19TH

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. 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 ...	30.05	22	Y	0	f	30.16	+ .19	28	28	- 2	SE	2	0	*	30	21	-		
Hernösand ...	30.15	31	Y	2	0	30.24	+ .18	27	28	- 7	Y	0	0	*	*	*	-		
Stockholm ...	30.15	38	NN	4	0	30.25	+ .18	32	31	- 6	NNN	2	0	*	*	*	-		
Wisby ...	30.06	40	NE	6	0	30.15	+ .23	39	37	- 2	NNN	6	0	*	*	*	-		
Christiansund ...	30.15	42	S	4	0	30.12	+ .06	44	39	+ 2	S	5	0	4	?	36	-		
Skudesnaes ...	30.26	36	Z	0	0	30.31	+ .20	43	41	+ 6	ENE	1	0	2	?	36	-		
Oxö (Tiansand) ...	30.26	35	NNN	2	0	30.32	+ .22	35	31	- 7	NNN	2	1	43	30	-			
Skagen (The Sew) ...	30.22	43	Z	0	0	30.29	+ .25	40	39	- 4	NNN	2	1	45	34	-			
Fanö ...	30.30	40	NE	1	0	30.41	+ .39	37	37	+ 3	Y	0	0	*	43	34	-		
Cuxhaven ...	?	44	ENE	1	0	30.39	+ .40	43	43	+ 3	ENE	2	0	*	?	37	-		
Sumburgh Head																			
Stornoway ...	30.16	42	SN	2	0	30.12	- .03	47	45	+ 11	SSN	7	0	5	47	40	-		
Thurso ...	30.24	37	SSN	1	0	30.21	+ .04	38	37	+ 1	SSE	1	0	2	49	34	-		
Wick ...	30.23	37	N	1	0	30.19	+ .03	40	39	+ 6	S	1	0	0	44	32	-		
Nairn ...	30.26	32	Y	0	0	30.24	+ .05	42	40	+ 8	NN	2	0	1	42	32	-		
Aberdeen ...	30.26	39	NN	1	0	30.30	+ .13	38	35	- 1	SSN	1	0	2	43	32	-		
Leith ...	30.29	38	NNN	1	0	30.36	+ .20	31	31	- 4	NNN	1	0	*	45	29	-		
Shields ...	30.27	47	ENE	2	0	30.43	+ .32	36	35	- 11	NNN	1	0	2	48	34	-		
Scarborough ...	30.25	46	NE	3	0	30.44	+ .39	40	39	- 7	NNN	1	0	3	47	39	-		
York ...	30.23	41	N	1	0	30.46	+ .39	33	33	- 10	N	1	0	*	49	31	-		
Nottingham ...	30.24	42	N	2	0	30.48	+ .45	41	41	- 1	Y	0	0	*	48	37	0.01		
Ardrossan ...	30.29	37	Y	0	f	30.36	+ .19	45	43	+ 14	SSN	3	0	3	45	31	-		
Greencastle ...	30.27	40	NNN	1	0	30.31	+ .15	37	37	- 5	S	1	0	*	45	34	-		
Donaghadee ...	30.34	42	NE	2	0	30.41	+ .20	36	35	- 9	NNN	1	0	1	47	34	-		
Kingstown ...	30.31	43	Y	2	0	30.42	+ .24	37	36	- 2	NNN	2	0	3	45	35	-		
Holyhead ...	30.28	46	NNE	2	0	30.42	+ .30	37	36	- 9	S	1	0	1	49	37	-		
Liverpool (Bidston) ...	30.26	43	NNE	1	0	30.45	+ .35	34	34	- 10	SE	1	0	1	46	34	-		
Valencia ...	30.32	41	Y	0	0	30.39	+ .14	41	40	- 1	ESE	1	0	1	50	35	-		
Roche's Point ...	30.29	40	N	1	0	30.42	+ .23	36	34	- 4	NE	1	0	2	47	34	-		
Pembroke ...	30.23	44	NNE	2	0	30.41	+ .33	38	37	- 6	ENE	1	0	1	49	37	-		
Portishead ...																			
Seilly ...	30.18	49	NE	6	0	30.37	+ .32	46	45	- 3	ENE	5	0	4	50	46	-		
Plymouth ...	30.17	45	NE	4	0	30.39	+ .40	39	38	- 2	NE	4	0	*	51	38	-		
Hurst Castle ...	30.10	45	NNE	3	0	30.36	+ .48	40	40	- 6	NE	3	0	3	48	37	-		
Dover ...	29.98	46	ENE	5	0	30.35	+ .50	45	43	0	ENE	3	0	2	47	44	-		
London ...	30.15	45	NE	2	0	30.40	+ .47	38	37	- 6	NE	1	0	*	47	37	0.01		
Oxford ...	30.18	41	N	1	0	30.42	?	38	37	- 5	N	1	0	*	52	37	0.01		
Cambridge ...	30.19	40	N	1	0	30.43	+ .47	32	32	- 9	N	1	0	*	50	29	-		
Yarmouth ...	30.16	44	ENE	4	0	30.40	+ .47	44	43	0	ENE	3	0	3	46	42	0.01		
The Helder ...	*	*	*	*	*	30.37	+ .46	42	41	0	NE	1	0	*	*	*	-		
Cape Gris Nez ...	30.06	43	ENE	4	0	30.33	+ .32	43	41	+ 2	ENE	3	0	2	46	39	-		
Jersey ...	30.07	47	NNE	4	0	30.32	+ .47	44	43	+ 4	NE	2	0	2	49	42	0.05		
Brest ...	30.13	48	NE	4	0	30.26	+ .27	43	39	- 3	ENE	3	0	3	50	39	0.12		
L'Orient ...	30.05	46	N	3	0	30.27	+ .33	41	?	- 4	NE	4	0	3	50	37	-		
Rochefort ...	29.93	52	SSE	1	0	30.10	+ .20	41	39	- 4	NE	5	0	3	63	37	-		
Biarritz ...	29.97	48	SN	2	0	30.06	+ .17	34	32	- 9	ESE	2	0	4	48	32	0.47		
Corunna ...	*	*	*	*	*									*	*	*			
Brussels ...	*	*	*	*	*	30.24	+ .47	32	32	- 9	Y	0	0	*	46	32	0.24		
Charleville ...	*	*	*	*	*	30.18	+ .38	39	*	- 2	E	1	0	*	*	*	*		
Paris ...	30.13	41	?	3	0	30.29	+ .40	38	37	- 2	Y	1	0	*	*	*	-		
Lyons ...	*	*	*	*	*	30.03	+ .07	46	*	- 2	N	6	0	*	*	*	*		
Toulon ...	29.86	41	NE	5	0	29.77	- .07	45	45	+ 4	E	7	0	6	45	39	1.10		

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

	Bar.	Dry.	Wet.	Wind.	Wet.	Sea.		Bar.	Dry.	Wet.	Wind.	Wet.	Sea.
Skudesnaes ...	30.21	39	37	Y	0	2	Valencia ...	30.29	50	45	NNE	2	3
Thurso ...	30.23	42	41	SSN	1	2	Seilly ...	30.13	50	48	NE	7	6
Scarborough ...	30.17	47	45	NE	2	4	London ...	30.05	47	43	NE	3	*
Mullaghmore ...	30.27	46	45	Y	0	3	Rochefort ...	29.91	52	46	NNN	1	3
Holyhead ...	30.23	47	45	NNE	4	3							

Pressure has increased everywhere since the morning, but the change has been very slight in the NW, and at Stornoway has now apparently ceased. The wind is SW in the north of Scotland.

Mullaghmore	30.31	41	NNN	1	0	40.32	+ .11	45	44	- 7	SSN	4	0	2	48	37	-
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EXPLANATION OF COLUMNS.

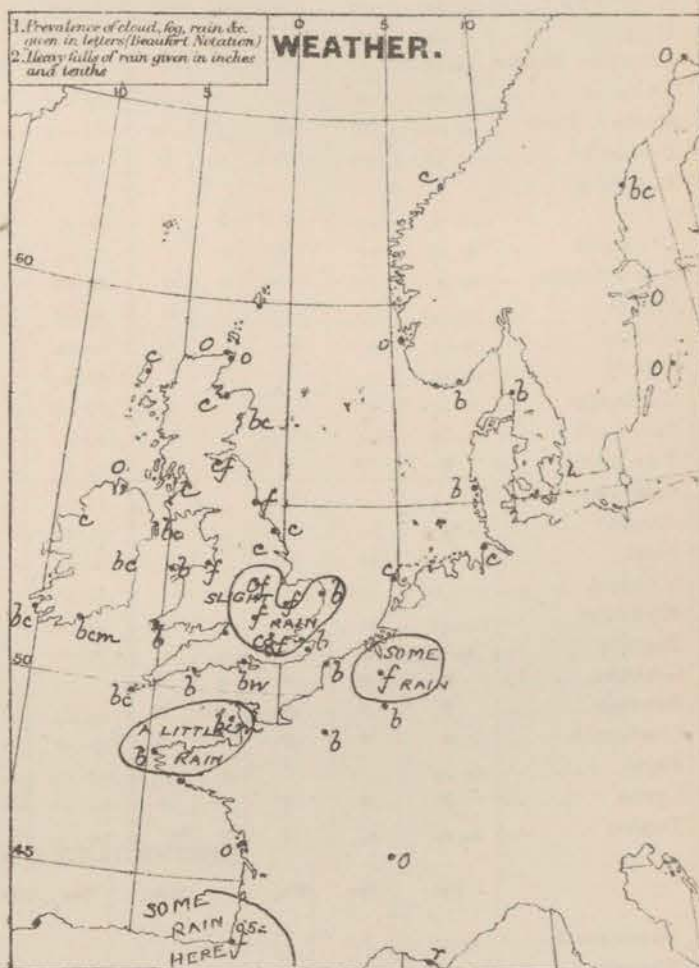
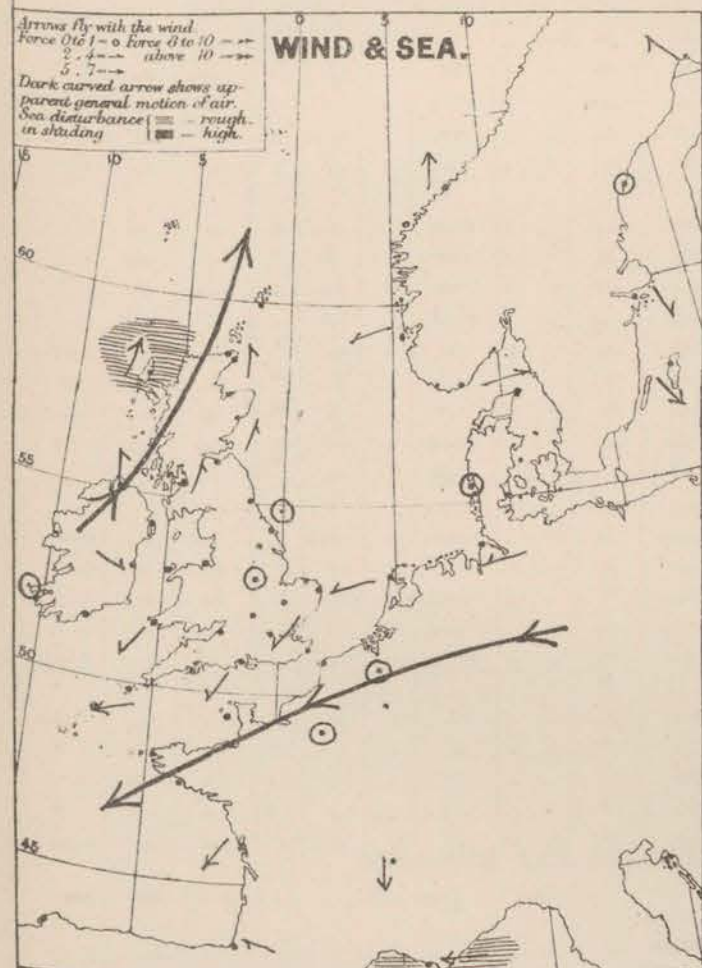
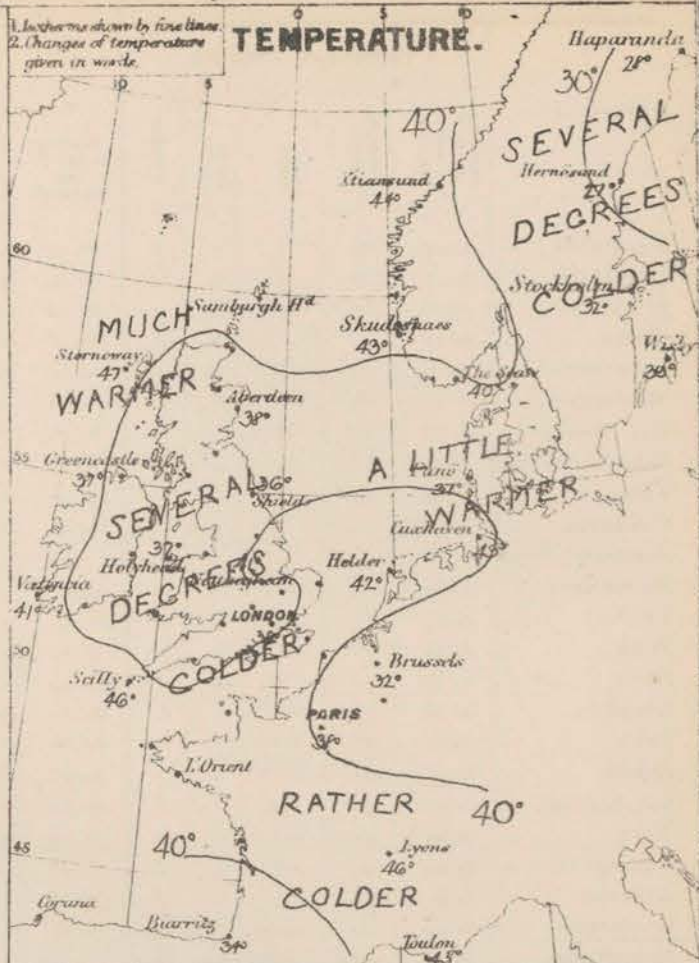
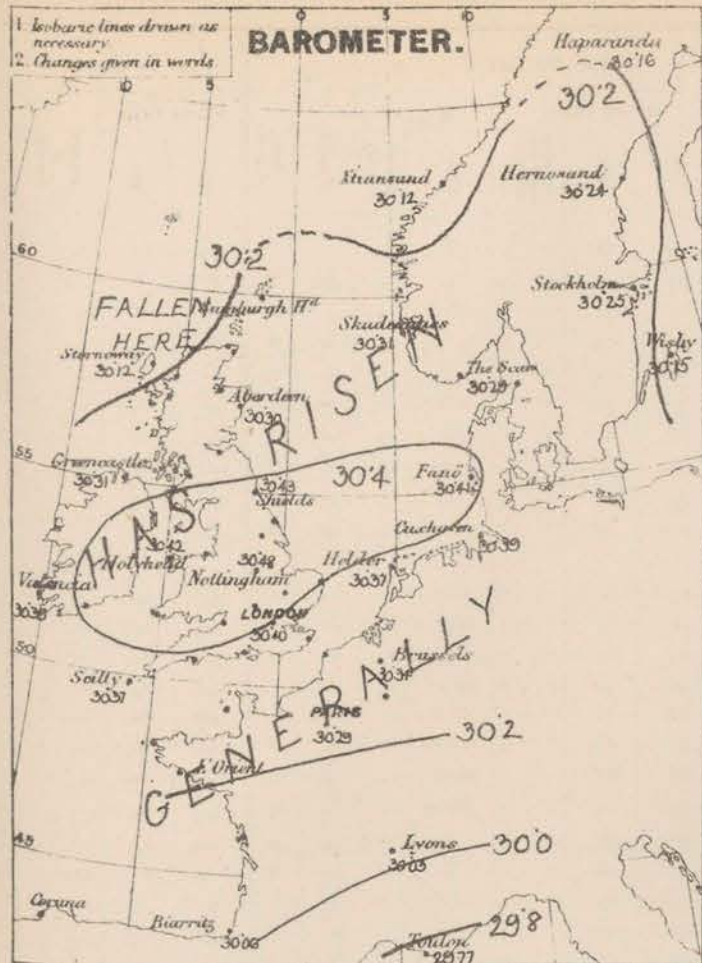
WEATHER.--Beaufort Scale is, b. blue sky; a. detached clouds; d. drizzling rain; f. fog; p. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 19th Nov^r 1873.*



REMARKS. Weather is fair and dry, though slightly cloudy over the whole of Western Europe, but at the English stations a good deal of fog is reported. Lightning was seen at Hunt Castle last night and slight rain has fallen in the south and over France during the past 24 hours. Temperature has risen briskly in the west and north of Scotland and the west of Ireland but has fallen in nearly all other places; at our inland stations the decrease amounts to several degrees, and the thermometers mark 31° at Leith, 33° at York and 32° at Cambridge, while in the Hebrides it is as high as 47°. Wind is SW^{ly} over Scotland and north of Ireland and E^{ly} over France and the Channel, while calms prevail in the intervening regions; in fact the wind is moderate or light but at Bally and Rochefort it blows freshly and at Stornoway strongly. Sea is nearly smooth except in the Irish.

Barometrical Indications. Pressure has begun to decrease during the past night in the north of Scotland, but in all other places it has increased the change being as much as half an inch in the south east. A large anticyclone (30.4 in.) stretched from Ireland across England and the North Sea to Denmark, whence readings decreased to 29.77 in. at London, and to 30.12 in. at Stornoway.

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

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

R. H. SCOTT.

Secret 25.v

DAILY WEATHER REPORT

Nov 3 20th

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	29.92	33	Z	0	0	29.77	-.39	33	33	+ 5	S	2	0	*	34	28	0.39	
Hernösand	30.10	36	Z	0	bc	30.18	-.06	36	33	+ 9	SH	2	0	*	*	*	-	
Stockholm	30.26	33	SH	4	0	30.17	-.08	37	36	+ 5	SH	4	0	*	*	*	-	
Wisby	30.25	39	NNH	6	0	30.19	+ .04	43	41	+ 4	NNH	6	0	*	*	*	-	
Christiansund	29.99	44	SSH	3	bc	29.78	-.34	50	44	+ 6	SH	9	0	5	50	39	-	
Skudesnaes	30.31	47	SSH	6	0	30.22	-.09	48	45	+ 5	SSH	6	0	4	48	43	-	
Oxö (Tjansand)	30.36	43	WSH	4	0	30.28	-.04	46	43	+ 11	SH	4	0	2	?	?	-	
Skagen (The Seal)	30.31	45	NH	5	bc	30.26	-.03	46	42	+ 6	NNH	5	0	5	46	36	-	
Fanö	30.47	42	SH	1	0	30.43	+ .02	43	42	+ 6	SH	2	0	*	45	37	-	
Cuxhaven	30.57	45	E	1	0	30.52	+ .13	42	41	- 1	SSE	1	0	*	45	39	-	
Sumburgh Head																		
Stornoway	30.12	47	SSH	6	0	30.19	+ .07	47	45	0	Z	0	bc	3	48	45	-	
Thurso	30.17	44	S	1	0	30.19	-.02	49	49	+ 11	NNH	2	0	2	50	37	0.07	
Wick	30.17	44	SH	2	bc	30.18	-.01	47	46	+ 7	SSH	1	0	0	49	39	-	
Nairn	30.20	45	WSH	3	0	30.22	-.02	48	45	+ 6	WSH	2	0	1	48	41	-	
Aberdeen	30.23	39	SSH	1	bc	30.27	-.03	38	37	0	Z	0	0	1	43	36	0.07	
Leith	30.36	42	WSH	2	bc	30.32	-.04	44	42	+ 13	WSH	3	0	*	46	30	-	
Shields	30.43	43	NNH	1	f	30.40	-.03	36	35	0	WSH	1	bc	2	45	34	-	
Scarborough	30.46	41	SH	1	bc	30.42	-.01	31	31	- 9	WSH	1	bc	2	46	31	-	
York	30.48	41	S	1	0	30.47	+ .01	29	29	- 4	S	1	f	*	46	28	0.07	
Nottingham	30.52	41	Z	0	f	30.49	+ .01	34	32	- 7	Z	0	f	*	44	31	0.07	
Ardrossan	30.38	48	NNH	3	bc	30.35	-.01	48	46	+ 3	SSH	2	0	3	50	45	-	
Greencastle	30.34	41	S	1	0	30.34	+ .03	42	41	+ 5	SH	2	0	*	45	35	-	
Donaghadee	30.45	38	NNH	3	bc	30.41	.00	37	37	+ 1	N	3	bc	2	45	33	-	
Kingstown	30.45	42	S	1	bc	30.43	+ .01	37	36	0	Z	0	0	1	45	35	-	
Holyhead	30.44	42	SSH	1	bc	30.43	+ .01	41	40	+ 4	Z	0	f	0	46	36	-	
Liverpool (Hudson)	30.47	39	SE	2	0	30.45	.00	31	31	- 3	SE	2	f	1	45	29	-	
Valencia	30.41	49	S	4	dm	30.39	.00	45	43	+ 4	SSE	2	0	3	50	40	-	
Roche's Point	30.43	45	SSE	1	bc	30.43	+ .01	43	41	+ 7	SSE	1	0	2	48	35	-	
Pembroke	30.45	43	ESE	1	bc	30.43	+ .02	38	38	0	E	1	0	2	46	37	-	
Portishead																		
Scilly	30.42	47	E	4	0	30.40	+ .03	46	44	0	ENE	2	0	2	49	44	-	
Plymouth	30.44	41	E	4	bc	30.42	+ .03	33	32	- 6	NNH	3	bc	*	48	32	-	
Hurst Castle	30.41	42	NE	2	bc	30.38	+ .02	42	41	+ 2	NE	3	0	2	48	36	-	
Dover	30.43	46	ENE	5	bc	30.39	+ .04	44	40	- 1	ENE	5	0	4	48	43	-	
London	30.48	40	NE	1	bcw	30.41	+ .01	41	39	+ 3	E	2	0	*	49	36	-	
Oxford	30.47	39	Z	0	0	30.44	+ .02	38	38	0	NNE	1	0	*	42	37	-	
Cambridge	30.49	38	N	1	f	30.44	+ .01	38	38	+ 6	N	1	0	*	39	30	0.02	
Yarmouth	30.47	44	NNE	2	bc	30.44	+ .04	44	42	0	ENE	2	bc	2	46	42	-	
The Helder	*	*	*	*	*	30.44	+ .07	40	38	- 2	NE	1	bc	*	*	*	-	
Cape Gris Nez																		
Jersey	30.39	47	ENE	?	bc	30.34	+ .02	44	42	0	ENE	4	0	?	50	44	-	
Brest	30.38	50	?ENE	3	bc	?	?	43	39	0	?	2	0	3	52	37	-	
L'Orient	30.32	46	NE	4	bc	30.28	+ .01	41	?	0	ENE	3	bc	3	52	39	-	
Rochefort	30.15	50	NE	4	bc	30.14	+ .04	41	37	0	NE	5	0	2	?	36	-	
Biarritz	30.09	46	SSE	2	m	30.07	+ .01	41	37	+ 7	ENE	3	m	4	?	32	-	
Corunna	*	*	*	*	*			*	*	*					*	*	*	
Brussels	*	*	*	*	*	30.36	+ .02	32	31	0	ENE	4	bc	*	44	32	-	
Charleville	*	*	*	*	*	30.22	+ .04	39	*	0	NE	1	bc	*	*	*	*	
Paris	30.26	42	?	3	bc	30.26	+ .07	39	37	+ 1	NE	1	bc	*	*	*	*	
Lyons	*	*	*	*	*	30.12	+ .09	39	*	- 7	NN	2	0	*	*	*	*	
Toulon	29.87	46	E	10	bc	29.93	+ .16	48	45	+ 3	E	5	bc	5	48	39	0.43	

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	30.31	47	45	SSH	4	0	2	Valencia	30.39	49	47	SSE	3	0	4
Thurso	30.18	43	43	Z	0	0	2	Scilly	30.40	48	47	E	5	0	3
Scarborough ...	30.44	45	44	WSH	1	bc	2	London	30.43	48	44	NE	2	bcw	*
Mullaghmore	30.34	45	44	SH	5	0	3	Rochefort ...	30.13	45	41	NE	5	0	3
Holyhead	30.44	45	43	SSH	2	bc	1								

Pressure is decreasing slightly in the extreme N. and N.E., but is increasing over England. At Valencia heavy clouds are coming up from the S.W., and the wind which has veered to SSE is freshening.

Mullaghmore	30.37	44	SH	4	0	30.35	+ .03	44	43	- 1	SH	2	0	2	47	42	-
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EXPLANATION OF COLUMNS.

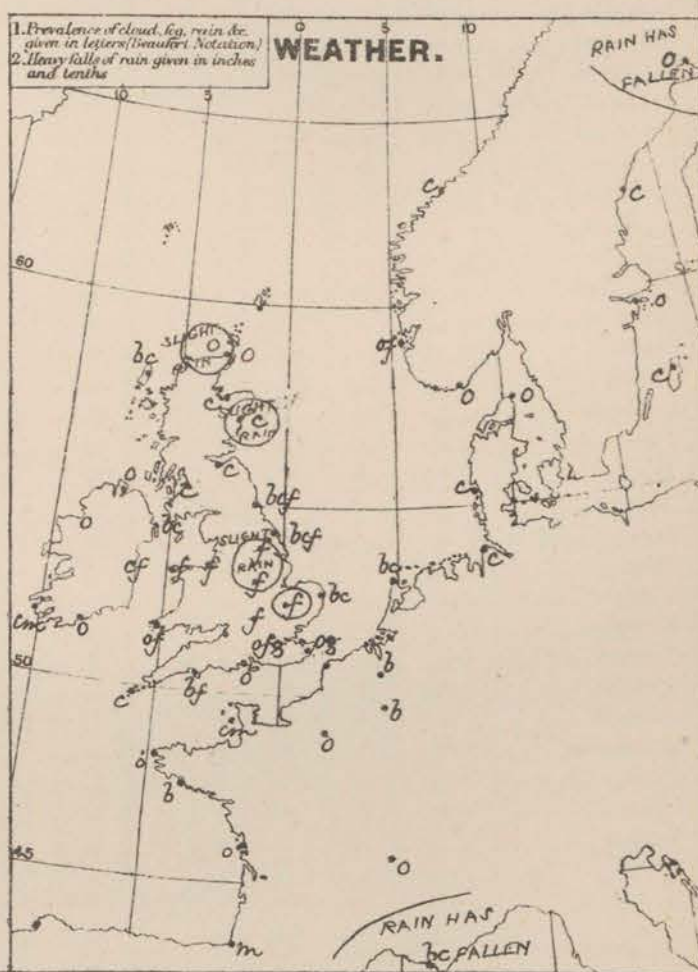
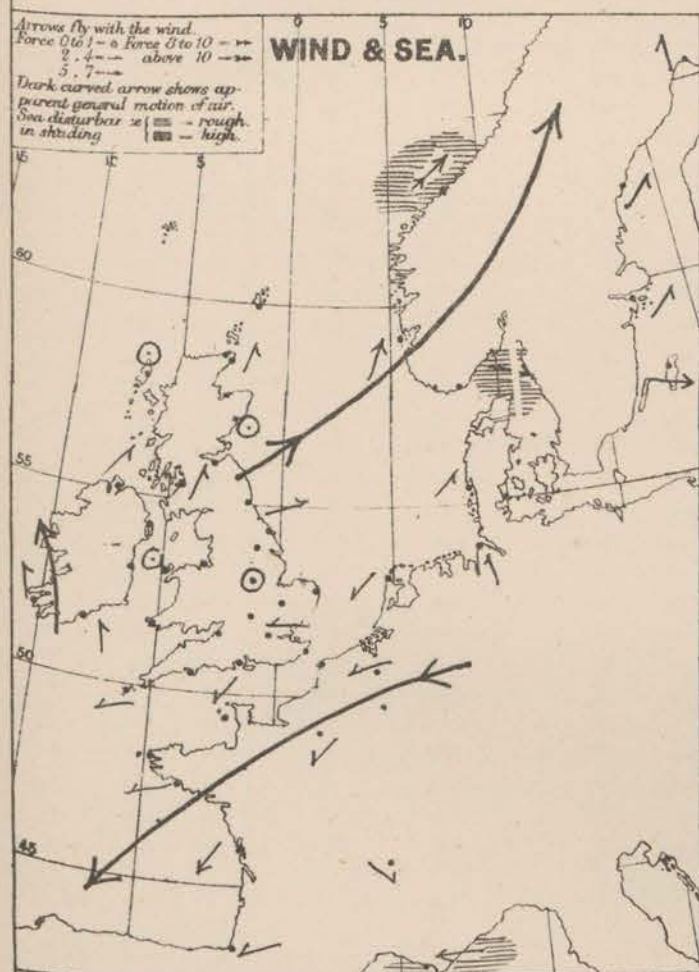
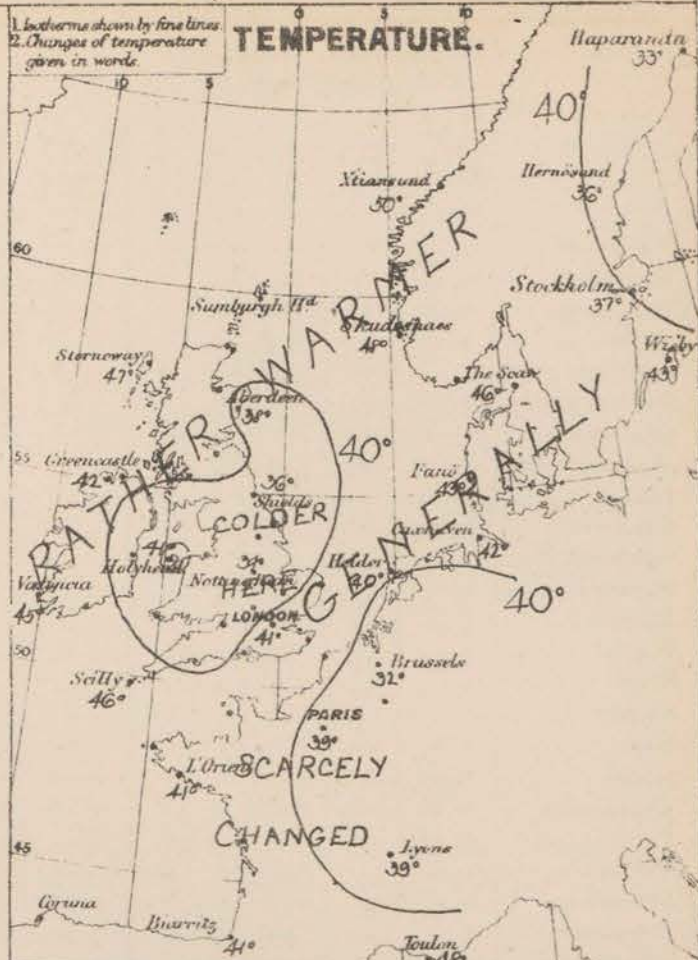
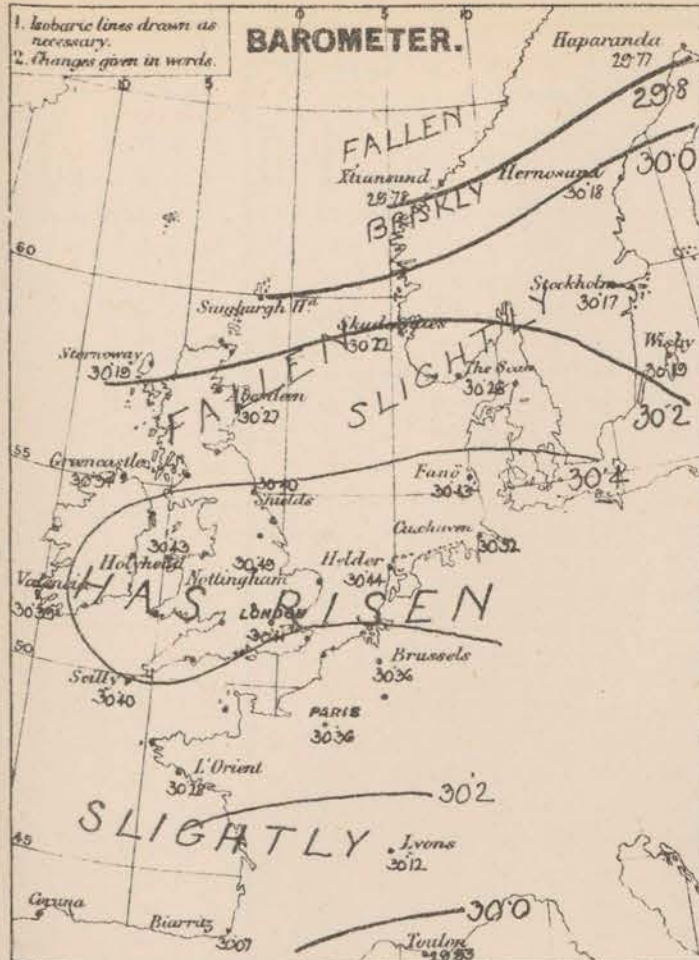
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* A N 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 20th Nov^r 1876.



REMARKS. Weather is bright along our east coast and over the Netherlands but more or less cloudy elsewhere; mist is reported from Valentia and Biscaya, and thick fog from the majority of the English stations. Scarcely any rain has fallen. Temperature has risen briskly in Scotland, and slightly in most places except the northern and central parts of England where it is low, the highest reading over these islands this morning is 49° at Thurso, the lowest 24° at York, while in the west of Norway the thermometer marks 50°. Wind is still E⁴ over France and the Channel, S⁴ at Valentia and W⁴ in Scotland and over Norway. It is generally light or moderate in force but blows strongly at Helsingfors and with the force of a strong gale at Christiansund. Over England calms prevail. Sea is nearly smooth except at Christiansund and the Skaw.

Barometrical Indications. Pressure has decreased quickly during the past night at Christiansund and slightly in most places but in North Germany it has increased somewhat. A band of high pressure, 30.4 in., stretches across Ireland, England and the southern portion of the German Ocean, whence readings decrease to 29.78 in. at Christiansund and to 29.93 in. at Toulon.

DAILY WEATHER REPORT

Nov^r 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.		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 ...	29.40	37	S	2	0	29.38	-.39	36	36	+ 3	N	6	0	*	?	?	-	
Hernösand ...	29.75	38	WST	2	0	29.84	-.34	36	34	0	ST	2	0	*	*	*	-	
Stockholm ...	29.95	42	ST	6	0	29.95	-.22	37	37	0	ST	4	0	*	*	*	-	
Wisby ...	30.11	45	W	8	0	30.03	-.16	44	42	+ 1	WST	6	0	*	*	*	-	
Christiansund ...	29.84	45	W	9	0	29.97	+ .19	42	36	- 8	WST	7	0	6	48	36	0.20	
Skudesnaes ...	30.19	47	Z	0	0	30.12	-.10	41	41	- 4	WST	2	0	2	48	7	0.08	
Oxö (Årland) ...	30.19	48	ST	4	0	30.13	-.16	43	41	- 3	W	4	0	1	48	41	-	
Skagen (The Sea) ...	30.18	47	WST	4	0	30.06	-.20	45	43	- 1	WST	4	0	4	48	41	-	
Fanö ...	30.33	44	ST	1	0	30.18	-.25	42	41	- 1	Z	0	0	*	45	?	-	
Cuxhaven ...	30.45	41	SSE	1	0	30.23	-.29	35	35	- 7	SE	2	0	*	?	32	-	
Samburgh Head ...	30.15	47	WST	6	0	30.14		42	40		Z	0	0	0	48	?	-	
Stornoway ...																		
Thurso ...	30.24	44	Z	0	0	30.16	-.03	43	43	- 6	S	1	0	2	49	37	-	
Wick ...	30.23	42	Z	0	0	30.15	-.03	46	45	- 1	S	1	0	0	30	40	-	
Nairn ...	30.25	47	WST	2	0	30.17	-.05	47	45	- 1	Z	0	0	1	30	47	-	
Aberdeen ...	30.25	44	W	1	W	30.19	-.08	43	42	+ 5	Z	0	0	1	47	38	0.01	
Leith ...	30.29	45	W	3	0	30.19	-.13	34	34	- 10	Z	0	0	*	48	33	-	
Shields ...	30.43	43	WST	1	f	30.21	-.19	37	37	+ 1	W	1	0	2	47	35	-	
Scarborough ...	30.34	33	ST	2	f	30.21	-.22	33	32	+ 2	WST	1	f	2	35	30	-	
York ...	30.38	29	S	1	f	30.24	-.23	28	28	- 1	S	1	f	*	32	27	-	
Nottingham ...	30.40	34	Z	0	0	30.25	-.24	28	28	- 6	Z	0	0	*	36	26	-	
Ardrossan ...	30.31	49	ST	2	0	30.21	-.14	42	41	- 6	E	1	0	0	30	42	-	
Greencastle ...	30.31	44	SE	1	0	30.20	-.14	37	36	- 5	WST	1	0	*	45	35	-	
Donaghadee ...	30.35	37	ST	2	0	30.23	-.18	32	32	- 5	WST	2	0	1	44	30	-	
Kingstown ...	30.38	41	WST	1	0	30.24	-.19	38	36	+ 1	WST	1	0	2	43	26	-	
Holyhead ...	30.26	42	ST	1	0	30.21	-.22	41	40	0	ST	1	f	0	47	40	-	
Liverpool (Hidston) ...	30.37	31	ESE	2	f	30.23	-.22	30	30	- 1	ESE	1	f	1	33	30	-	
Valencia ...	30.33	46	SE	2	0	30.20	-.19	44	41	- 1	ESE	2	0	2	49	41	-	
Roche's Point ...	30.36	43	E	2	0	30.24	-.19	42	39	- 1	S	2	0	2	47	38	-	
Pembroke ...	30.36	34	E	1	0	30.21	-.22	32	32	- 6	NE	1	0	2	38	29	-	
Portishead ...																		
Scilly ...	30.31	45	E	4	0	30.18	-.22	43	41	- 3	E	2	0	2	49	41	-	
Plymouth ...	30.31	38	NE	3	0	30.20	-.22	31	30	- 2	NE	2	0	*	44	30	-	
Hurst Castle ...	30.28	43	NE	3	0	30.15	-.23	40	38	- 2	NE	4	0	3	45	26	-	
Dover ...	30.28	44	ENE	5	0	30.11	-.28	43	40	- 1	NE	5	0	4	44	40	-	
London ...	30.35	43	ENE	2	0	30.16	-.25	45	37	- 1	NE	3	0	*	46	39	-	
Oxford ...	30.35	40	N	1	0	30.20	-.24	37	36	- 1	N	1	0	*	42	36	-	
Cambridge ...	30.36	40	N	1	0	30.19	-.25	37	36	- 1	N	1	0	*	41	35	-	
Yarmouth ...	30.35	43	ENE	3	0	30.18	-.26	42	41	- 2	ENE	4	0	3	44	40	-	
The Helder ...	*	*	*	*	*	30.16	-.28	38	37	- 2	NE	3	0	*	*	*	-	
Cape Gris Nez ...	30.26	43	ENE	5	0	30.09		43	39		NE	6	0	5	45	26	-	
Jersey ...	30.24	44	ENE	4	0	30.13	-.21	43	41	- 1	NE	3	0	3	45	42	-	
Brest ...	30.23	48	E	2	0	30.13	?	43	41	0	ENE	2	0	3	48	39	-	
L'Orient ...	30.17	?	ENE	4	0	30.12	-.16	39	?	- 2	ENE	3	0	3	48	36	-	
Rocheport ...	30.10	48	NE	4	0	30.07	-.07	39	37	- 2	NE	4	0	2	50	36	-	
Biarritz ...	30.06	54	Z	0	0	30.02	-.05	43	39	+ 2	ESE	2	0	3	?	36	-	
Corunna ...	*	*	*	*	*			*	*						*	*	*	
Brussels ...	*	*	*	*	*	30.07	-.29	32	31	0	NE	3	f	*	40	30	-	
Charleville ...	*	*	*	*	*	29.97	-.25	35	34	- 4	ENE	1	0	*	*	*	*	
Paris ...	30.26	39	?	3	0	30.12	-.24	35	34	- 4	NE	1	f	*	*	*	-	
Lyons ...	*	*	*	*	*	29.98	-.14	46	*	+ 7	WST	?	0	*	*	*	*	
Toulon ...	29.83	46	E	4	?	29.85	-.08	45	43	- 3	ENE	5	?	4	48	43	0.63	

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

	Bar.	Dry.	Wet.	Wind.	Wet.	Sea.		Bar.	Dry.	Wet.	Wind.	Wet.	Sea.		
Skudesnaes ...	30.19	48	46	WST	1	0	3	Valencia	30.35	49	45	SE	2	sm	3
Thurso	30.23	47	46	W	2	0	3	Seilly	30.35	47	45	E	4	c	4
Scarborough ...	30.36	53	33	ST	1	bcf	2	London	30.37	45	41	NE	2	smg	*
Mullaghmore ...	30.34	48	47	ST	4	cg	3	Rocheport ...	30.12	43	37	NE	5	o	3
Holyhead	30.40	47	44	ST	1	o	0								

Pressure is decreasing slowly in all places except Thurso, but the general distribution is little changed, and the winds are scarcely altered. In the N. of England the weather remains cold, the reading of the thermometer at Scarborough this afternoon being only 1° above freezing point.

Mullaghmore	30.33	46	SE	2	0	30.22	-.10	35	35	- 9	ESE	1	0	1	30	35	-
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EXPLANATION OF COLUMNS.

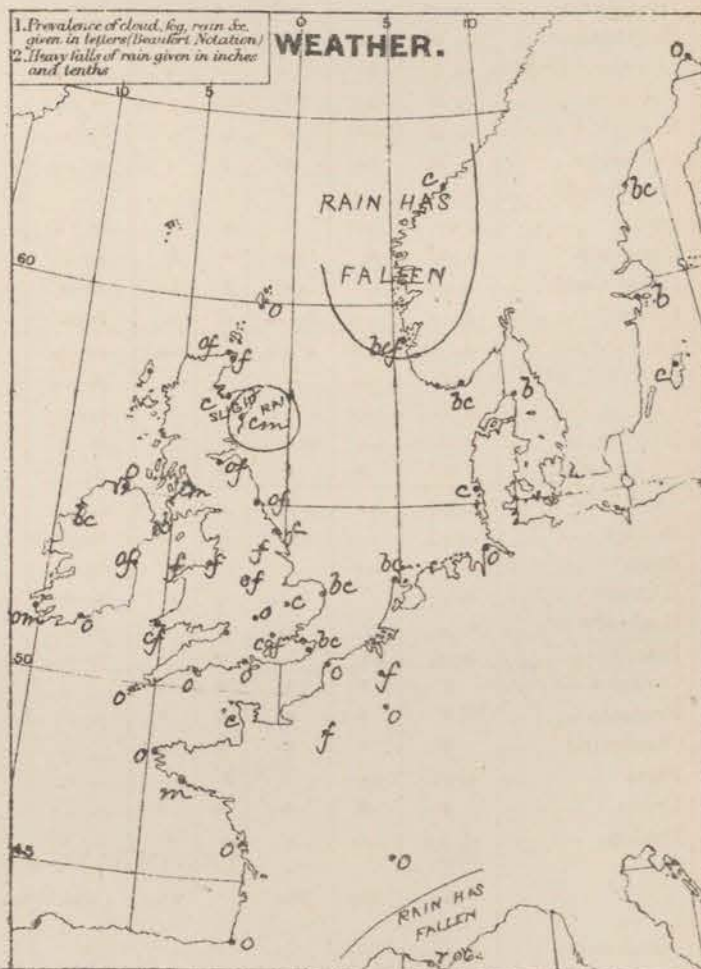
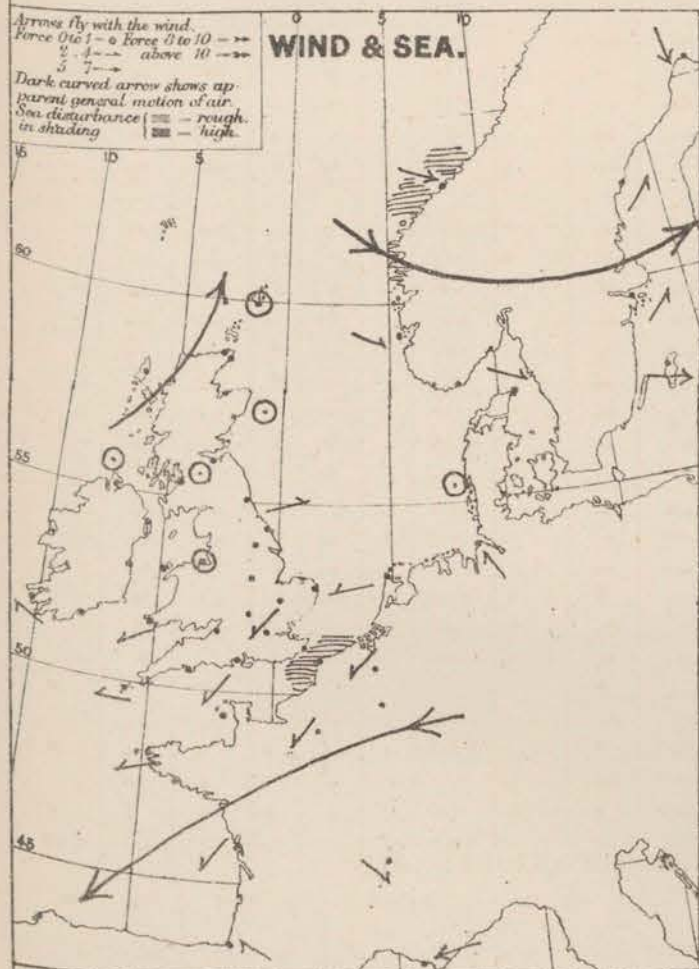
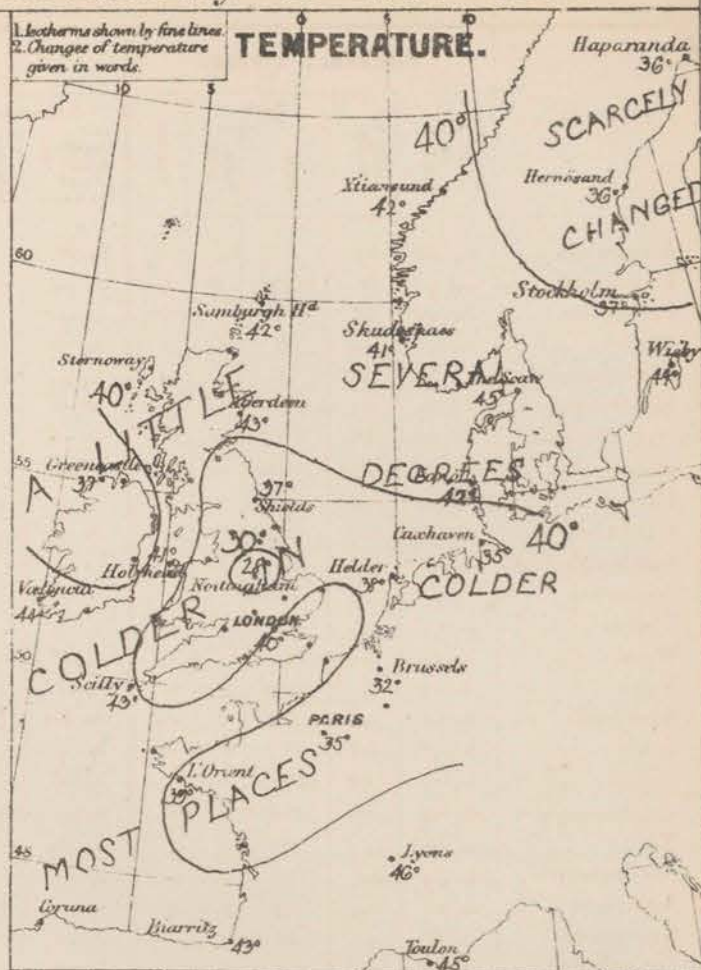
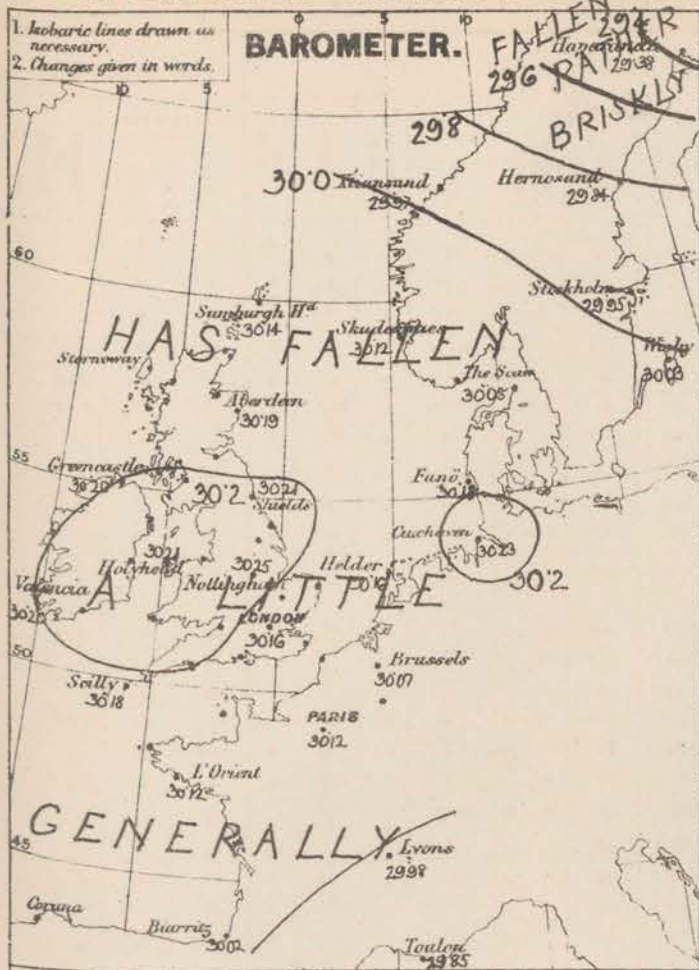
WEATHER.—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

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

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

WEATHER CHARTS *for 8 a.m. on Thursday 21st Nov^r 1878*



REMARKS. Weather is moderately fine at many of the Scandinavian stations, but is dull or cloudy over these Islands and France; a great deal of fog still prevails over England and rain is falling at London. The only rain which has occurred at our station during the past 24 hours is one hundredth at Aberdeen. Temperature has fallen a few degrees in most places; it varies at present over these Islands from 28° over Central England to 47° at Reims and to 46° at Valentia. During last night the thermometer in the shade fell to 26° at Nottingham. Wind is very light and variable on most of our coasts, but a moderate to fresh breeze from NE. is reported over the Channel and France, and from W. to NW over Scandinavia. Sea is rough at Christiansund and Cape S. is very nearly smooth elsewhere.

Barometrical Indications. Pressure has increased somewhat at Christiansund but decreased in all other places - rather notably in the south-east. Readings are high and very uniform over these Islands and the North Sea, while low pressures are shown over the north of Scandinavia and the Mediterranean.

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

R. H. SCOTT.
Secretary

DAILY WEATHER REPORT Nov^r 22nd 1878.

STATIONS.	↑ YESTERDAY EVENING.					8 A.M. TO DAY.										LAST 24 HOURS.		
	Barometer at 320 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).		Heading at 320 Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.		
Haparanda ...	29.61	26	N	2	δ	29.54	+ .18	23	22	- .13	W	2	δ	*	37	19	-	
Hernösand ...	29.88	32	NN	2	δ	29.63	- .21	32	30	- .4	SSW	2	δ	*	*	*	-	
Stockholm ...	29.91	35	NN	2	δ	29.82	- .18	32	31	- .5	SW	2	c	*	*	*	-	
Wisby ...	29.97	42	NNN	4	δc	29.90	- .13	39	38	- .5	SW	4	δc	*	*	*	-	
Christiansund ...	29.87	42	SW	3	δc	29.58	- .39	40	35	- 2	NN	4	o	5	43	32	0.39	
Skudesnaes ...	29.99	45	Z	0	o	29.75	- .37	48	46	+ 7	NSW	4	o	4	?	41	0.16	
Oxö (Xtiansand) ...	30.01	40	NNN	4	δ	29.84	- .29	45	44	+ 2	NSW	4	c	2	45	37	-	
Skagen (The Seaw) ...	29.99	41	Z	0	δ	29.86	- .20	40	39	- 5	W	3	c	2	46	34	-	
Fanö ...	30.03	43	Z	0	o	29.97	- .21	34	34	- 8	E	1	f	*	45	32	-	
Cuxhaven ...	30.11	37	E	2	f	30.03	- .20	37	37	+ 2	W	1	f	*	?	30	-	
Sumburgh Head ...	29.99	47	NSW	4	c	29.64	- .50	41	40	- 1	NE	6	f	6	48	40	0.18	
Stornoway ...	29.95	47	S	4	c	29.82	- .29	41	41	- 6	NNE	3	c	3	48	40	0.17	
Thurso ...	29.98	45	SSW	1	o	29.73	- .43	46	45	+ 3	SSW	2	o	2	47	41	0.02	
Wick ...	29.96	46	SW	2	o	29.73	- .42	44	42	- 2	SSW	2	o	1	48	42	-	
Nairn ...	30.04	45	W	0	c	29.82	- .35	44	41	- 3	NNE	4	c	2	48	43	-	
Aberdeen ...	30.04	45	SW	1	cm	29.85	- .34	37	35	- 6	SW	1	δc	1	50	36	-	
Leith ...	30.06	43	W	2	c	29.92	- .27	41	39	+ 7	NSW	3	δc	*	46	32	-	
Shields ...	30.12	42	W	0	c	29.99	- .22	38	37	+ 1	W	1	cf	2	45	33	-	
Scarborough ...	30.11	39	W	1	f	30.01	- .20	33	33	o	Z	0	f	0	40	32	-	
York ...	30.15	33	S	1	o	30.05	- .19	33	33	+ 5	S	1	o	*	35	28	0.02	
Nottingham ...	30.18	37	NN	1	o	30.07	- .18	36	35	+ 8	SW	1	o	*	38	28	-	
Ardrossan ...	30.09	48	SW	1	o	29.96	- .25	41	39	- 1	SSW	3	o	3	50	41	-	
Greencastle ...	30.09	39	N	1	o	29.97	- .23	34	33	- 3	W	1	o	*	45	32	-	
Donaghadee ...	30.14	40	W	2	c	30.02	- .21	31	31	- 1	W	3	δ	1	41	30	-	
Kingstown ...	30.16	38	NN	3	b	30.07	- .17	34	33	- 4	NNN	1	δcf	1	41	33	-	
Holyhead ...	30.13	39	W	0	f	30.05	- .16	40	39	- 1	SSW	1	f	0	45	38	-	
Liverpool (Bidston) ...	30.12	34	ESE	1	o	30.05	- .18	32	32	+ 2	SE	1	f	1	34	30	-	
Valencia ...	30.11	45	ESE	2	omg	30.02	- .18	43	40	- 1	ESE	2	omg	2	47	42	-	
Roehe's Point... ..	30.15	43	ENE	2	o	30.05	- .19	41	39	- 1	NNE	1	o	2	46	40	-	
Pembroke ...	30.12	39	E	2	δc	30.06	- .15	40	39	+ 8	ESE	1	om	1	40	32	-	
Portishead ...																		
Scilly ...	30.12	44	NNE	2	og	30.08	- .12	43	41	o	W	0	o	2	45	42	-	
Plymouth ...	30.13	36	E	2	o	30.07	- .13	37	36	+ 6	NNE	1	o	*	39	30	-	
Hurst Castle ...	30.09	42	NE	3	m	30.06	- .09	41	38	+ 1	NE	2	o	2	42	37	-	
Dover ...	30.06	43	NE	5	c	30.05	- .06	40	37	- 3	NE	3	δc	1	45	38	-	
London ...	30.10	43	NE	2	c	30.07	- .09	39	37	- 1	E	1	og	*	42	39	-	
Oxford ...	30.10	39	Z	0	o	30.08	- .12	37	?	o	W	0	m	*	41	29	-	
Cambridge ...	30.12	39	N	1	o	30.08	- .11	37	37	o	N	1	o	*	45	35	-	
Yarmouth ...	30.09	43	NE	4	c	30.06	- .12	41	40	- 1	W	0	cf	2	44	40	-	
The Helder ...	*	*	*	*	*	30.06	- .10	35	35	- 3	SE	1	f	*	*	*	-	
Cape Gris Nez ...	30.05	36	SSW	1	m	30.06	- .03	34	34	- 9	E	1	m	0	40	32	-	
Jersey ...	30.07	45	ENE	2	o	30.09	- .07	44	41	+ 1	NNE	1	om	1	45	40	-	
Brest ...	30.09	46	ENE	2	o	30.06	- .07	43	37	o	E	1	o	3	46	39	-	
L'Orient ...	30.08	43	E	2	m	30.08	- .04	41	?	+ 2	E	2	o	2	45	37	-	
Rochefort ...	30.08	46	NE	2	o	30.08	+ .01	37	36	- 2	ENE	2	o	3	48	36	-	
Biarritz ...	30.02	46	ESE	3	m	30.01	- .01	43	39	o	ESE	3	m	3	46	39	-	
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	30.07	.00	31	31	- 1	ENE	1	f	*	33	30	-	
Charleville ...	*	*	*	*	*	29.88	- .09	34	*	- 1	ENE	1	o	*	*	*	-	
Paris ...	30.11	33	?	3	o	?	?	32	32	- 3	NE	1	f	*	*	*	-	
Lyons ...	*	*	*	*	*	30.06	+ .08	46	*	o	N	6	o	*	*	*	-	
Toulon ...	29.59	45	NNN	4	c	29.91	+ .06	39	36	- 6	NN	6	δc	6	46	39	0.59	

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

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		
Skudesnaes ...	30.04	41	41	Z	0	cf	2	Valencia	30.13	47	43	ESE	2	om	3
Thurso	30.05	46	46	Z	0	o	2	Scilly	30.14	44	42	NNE	1	om	3
Scarborough ...	30.14	36	35	W	1	cf	2	London	30.12	43	40	NE	2	og.	*
Mullaghmore	30.15	44	44	E	3	c	3	Rochefort ...	30.06	39	37	NE	4	o	3
Holyhead	30.17	44	41	NE	2	c	1								

Pressure is giving way slowly everywhere. Little other change.

Mullaghmore	30.13	38	SW	2	og	29.99	- .23	37	36	+ 2	NSW	1	δc	1	44	31	-
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EXPLANATION OF COLUMNS

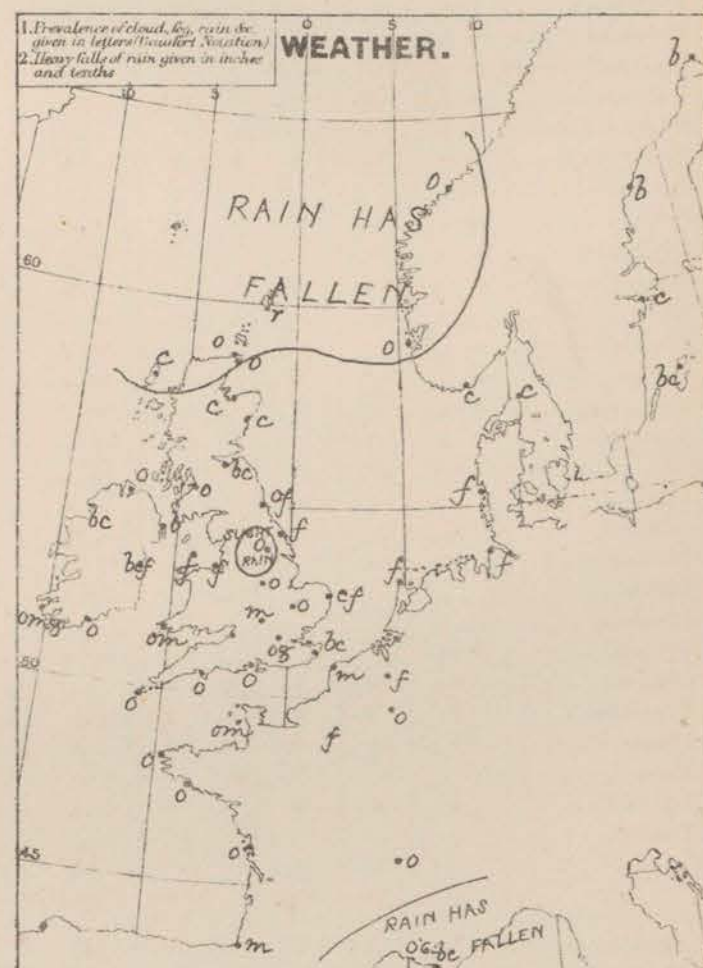
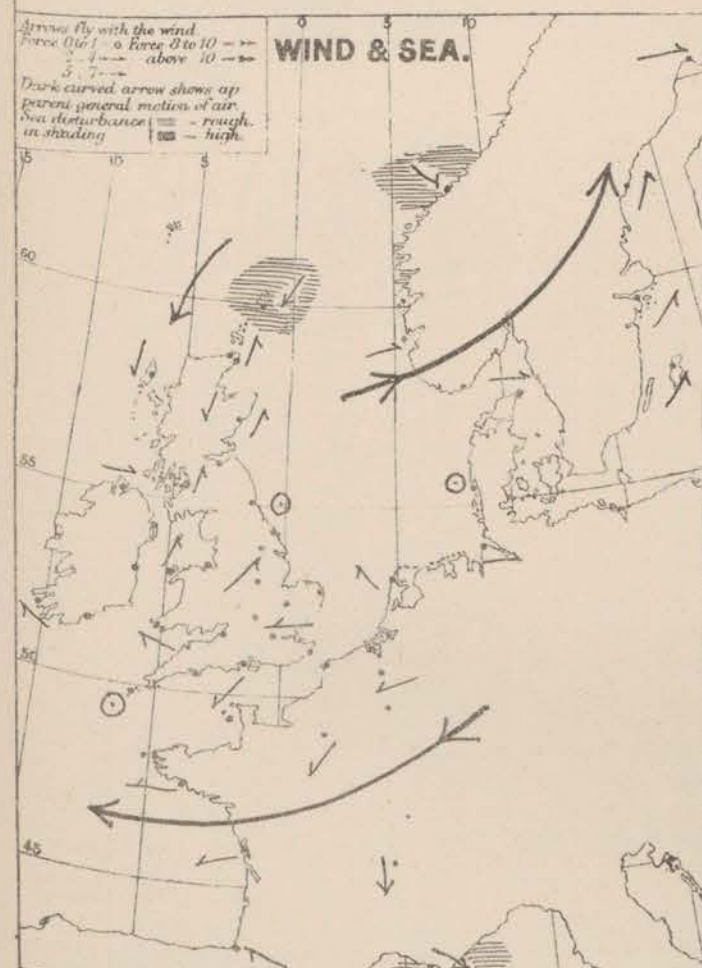
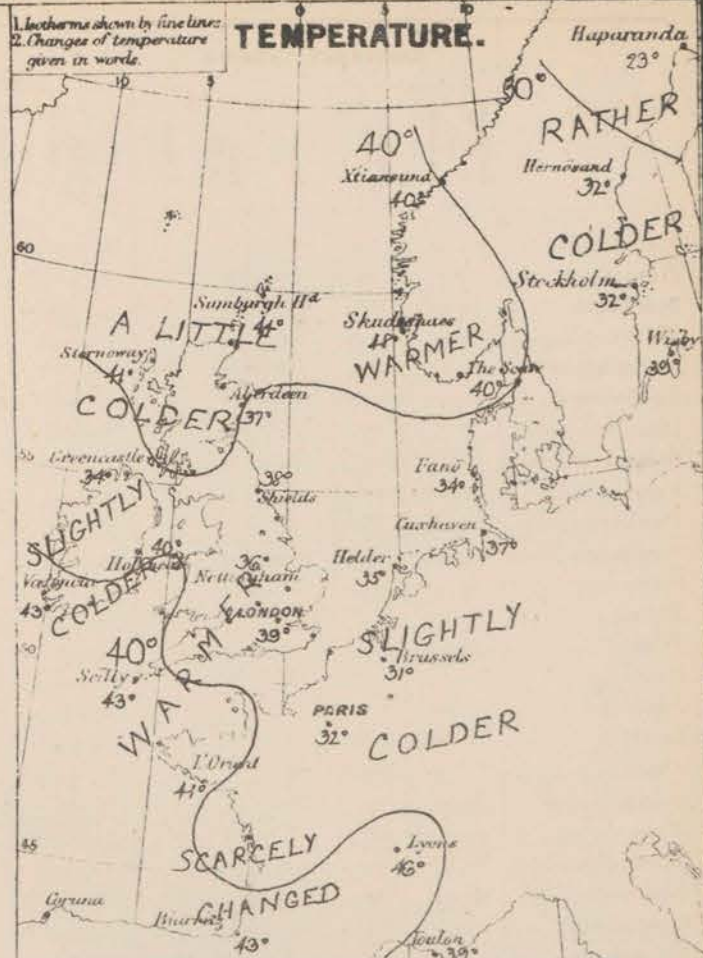
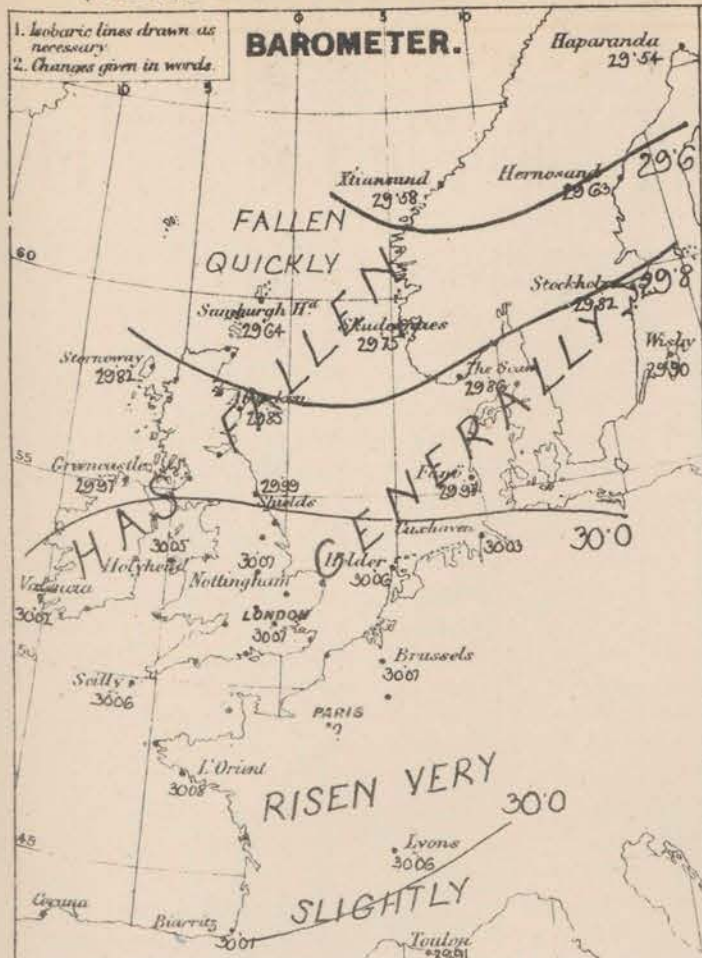
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 22nd Nov^r 1878.



REMARKS. Weather is wet at Sunbury H^o, but dry elsewhere, though cloudy, dull and foggy at nearly all stations with a very gloomy appearance in some places. Temperature has risen a few degrees at our central and north eastern stations, but has fallen generally; it varies over these Islands from 46° at Xianpund and 43° in the south west to 33° at Lyck, while at Haparanda (Gulf of Bothnia) it has fallen 13° to 23°. Last night the thermometer in the shade fell to between 28° and 30°. Wind is very light and variable over England, Ireland and France but is of moderate force further to the N^o - from SW. at most stations but from NE in some parts of Scotland. Sea is nearly smooth except near the Netherlands. Barometrical Indications. Pressure has decreased over the whole of Western Europe except the south east of France. It is very uniform over Ireland, England and France, but moderate gradients exist over Scotland and Scandinavia, a large depression being apparently to the N^o of these Isles.

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.

Corrected 12.11.78

DAILY WEATHER REPORT

Nov 25th

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.			
			Dir.	Force. (0 to 12).			Dry.	Wet.	Difference from 8 A.M. yesterday.	Dir.	Force. (0 to 12).			Max.	Min.				
Haparanda ...	29.24	30	S	2	0	29.26	-28	14	14	-9	N	2	7	*	34	14	0.28		
Hernösand ...	29.32	32	SW	2	0	29.43	-20	28	26	-4	SW	2	6	*	*	*	-		
Stockholm ...	29.59	40	SW	4	0	29.60	-22	35	33	+3	NNW	4	0	*	*	*	-		
Wibby ...	29.8	38	SW	6	0	29.69	-21	44	42	+5	NNW	8	0	*	*	*	-		
Christiansund ...	29.64	36	ENE	1	0	29.62	+04	35	34	-5	WSW	8	0	5	?	24	0.16		
Skudesnaes ...	29.71	41	NN	6	0	29.88	+13	37	35	-11	NN	4	6	2	48	?	0.04		
Oxö (Xtiansand)	29.75	47	WSW	6	0	29.85	+01	37	32	-8	NNW	4	6	2	46	36	-		
Skagen (The Szw)	29.72	45	NNN	4	0	29.79	-07	41	36	+1	NNN	4	6	3	46	36	0.04		
Fanö ...	29.88	45	WSW	4	0	29.92	-05	44	43	+10	N	4	0	*	45	44	0.12		
Cuxhaven ...	30.01	37	WSW	1	0	30.04	+01	35	33	-2	WSW	2	0	*	37	30	-		
Sumburgh Head	29.87	36	NNE	4	0	29.96	+32	32	32	-9	N	1	5	1	41	32	0.14		
Stornoway	29.96	37	N	3	0	30.02	+20	34	33	-7	N	3	6	4	41	30	-		
Thurso ...	29.96	39	NN	3	0	30.03	+30	33	33	-13	SSW	2	6	3	46	33	0.06		
Wick ...	29.97	37	NN	1	0	30.02	+29	28	27	-16	N	1	6	0	46	27	-		
Nairn ...	29.96	40	Z	0	0	30.03	+21	37	35	-7	Z	0	0	1	46	35	0.09		
Aberdeen ...	29.89	42	NN	2	0	30.01	+16	37	35	-6	NNN	1	0	1	46	36	0.01		
Leith ...	29.91	42	N	2	0	29.98	+06	38	38	-3	ENE	3	0	*	44	37	0.27		
Shields ...	29.92	40	N	2	0	29.97	-02	43	42	+5	NE	1	0	2	43	37	0.12		
Scarborough	29.95	35	WSW	1	0	29.96	-05	39	38	+6	WSW	1	0	1	39	33	-		
York ...	29.98	34	SW	1	0	29.99	-06	35	35	+2	SSW	1	0	*	39	31	-		
Nottingham ...	30.05	32	Z	0	0	30.02	-05	33	32	-3	Z	0	0	*	37	29	-		
Ardrossan ...	29.91	48	SSW	3	0	29.96	00	37	36	-4	NNE	3	0	2	49	37	0.04		
Greencastle ...	29.92	41	SSW	1	0	29.94	-03	42	42	+8	S	1	0	*	42	33	0.14		
Donaghadee ...	29.96	38	NNN	3	0	29.96	-06	36	36	+5	SW	3	0	2	40	30	0.01		
Kingstown ...	30.00	39	Z	0	0	29.98	-09	41	28	+7	S	1	0	1	41	33	-		
Holyhead ...	30.00	43	N	2	0	29.98	-07	42	40	+2	SSW	2	0	1	44	40	-		
Liverpool (Bidston)	30.00	39	SSW	1	0	29.99	-06	36	35	+4	SE	1	0	1	39	32	-		
Valencia ...	29.96	44	SE	2	0	29.91	-11	41	39	-2	NNE	1	0	1	49	38	-		
Roche's Point...	30.00	43	ENE	2	0	29.93	-12	43	43	+2	E	3	0	3	45	41	-		
Pembroke ...	30.02	41	ESE	1	0	29.97	-09	41	39	+1	E	1	0	2	43	39	-		
Portishead ...																			
Seilly ...	29.99	46	ENE	4	0	29.91	-15	47	46	+4	ESE	5	0	4	47	43	-		
Plymouth ...	30.03	39	Z	0	0	29.96	-11	42	40	+5	E	4	0	*	44	37	-		
Hurst Castle ...	30.04	40	N	1	0	30.02	-04	41	37	0	ESE	3	0	2	41	37	-		
Dover ...	30.07	38	SE	1	0	30.07	+02	38	37	-2	SSW	2	0	2	41	37	-		
London ...	30.06	39	NN	1	0	30.03	-04	37	36	-2	S	1	0	*	44	33	-		
Oxford ...	30.06	37	Z	0	0	30.03	+05	34	32	-3	Z	0	0	*	38	33	-		
Cambridge ...	30.05	37	SW	1	0	30.05	-03	33	33	-4	Z	0	0	*	40	29	-		
Yarmouth ...	30.03	38	NNN	2	0	30.05	-01	36	26	-5	Z	0	0	1	42	34	-		
The Helder ...	*	*	*	*	*	30.03	-03	40	39	+5	SE	2	0	*	*	*	-		
Cape Gris Nez	30.08	32	E	1	0	30.08	+02	32	32	-2	S	2	0	1	37	30	-		
Jersey ...	30.04	45	Z	0	0	30.02	-04	39	37	-5	SE	3	0	3	47	38	-		
Brest ...	30.03	46	SE	3	0	29.94	-12	39	37	-4	SSW	4	0	3	45	37	-		
L'Orient ...	30.04	39	ESE	2	0	29.97	-11	34	?	-7	E	3	0	2	43	32	-		
Rochefort ...	30.06	46	ESE	3	0	29.95	-13	36	34	-1	SE	4	0	3	50	?	-		
Biarritz ...	29.95	46	ENE	4	0	29.88	-13	46	39	+3	SE	3	0	3	50	36	-		
Corunna ...	*	*	*	*	*									*	*	*	*		
Brussels ...	*	*	*	*	*	30.12	+05	34	33	+3	SW	3	0	*	34	?	-		
Charleville ...	*	*	*	*	*	30.12	+24	35	*	+1	S	3	0	*	*	*	*		
Paris ...	30.18	35	?	3	0	30.17	?	36	35	+4	NNE	1	0	*	*	*	-		
Lyons ...	*	*	*	*	*	30.10	+04	45	*	-1	SE	2	0	*	*	*	*		
Toulon ...	29.97	43	NN	7	0	30.11	+20	41	37	+2	Z	0	6	3	46	36	-		

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.63	47	45	WSW	6	0	4	Valencia	29.96	46	42	SE	3	0	4
Thurso	29.88	41	40	NN	4	0	4	Seilly	30.02	46	43	Z	0	0	2
Scarborough ...	29.84	35	35	WSW	1	f	1	London	30.05	40	38	NNN	1	0	*
Mullaghmore ...	29.97	44	41	SW	2	0	2	Rochefort ...	30.07	39	37	E	4	0	3
Holyhead	30.01	44	42	N	2	0	1								

Pressure is increasing at Thurso, where the wind has shifted to NN. but is decreasing elsewhere.

Mullaghmore	29.95	43	SW	2	0	29.97	-02	40	38	+3	N	2	0	2	44	36	-
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EXPLANATION OF COLUMNS

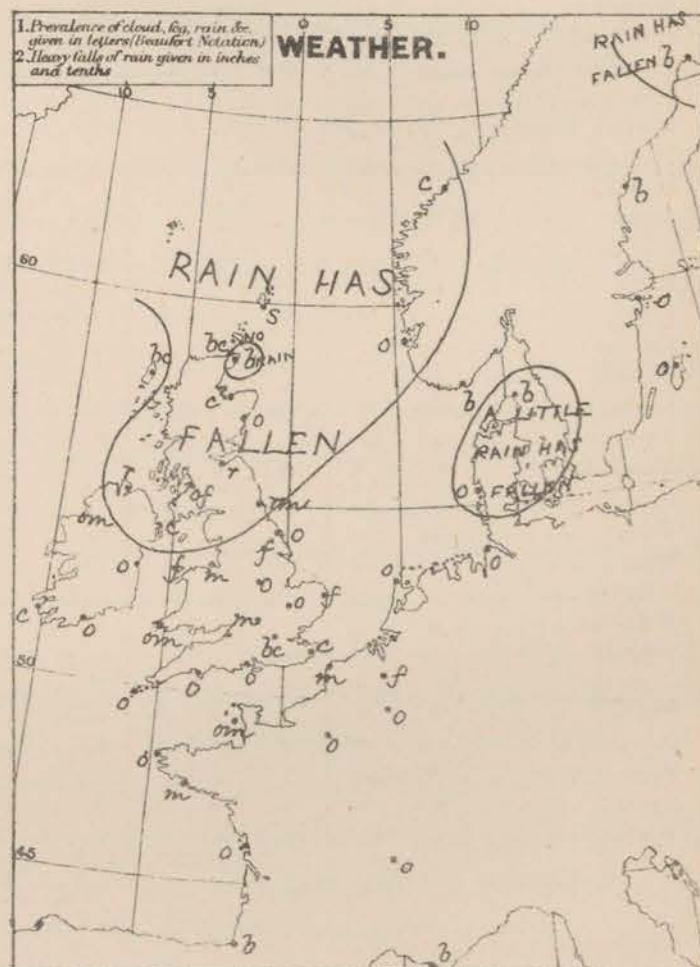
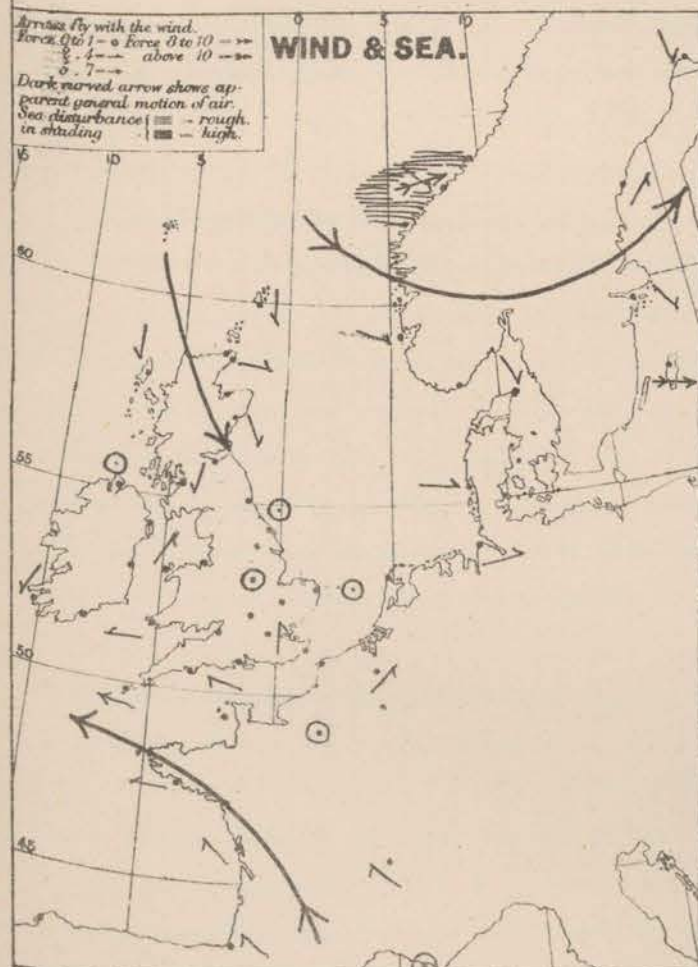
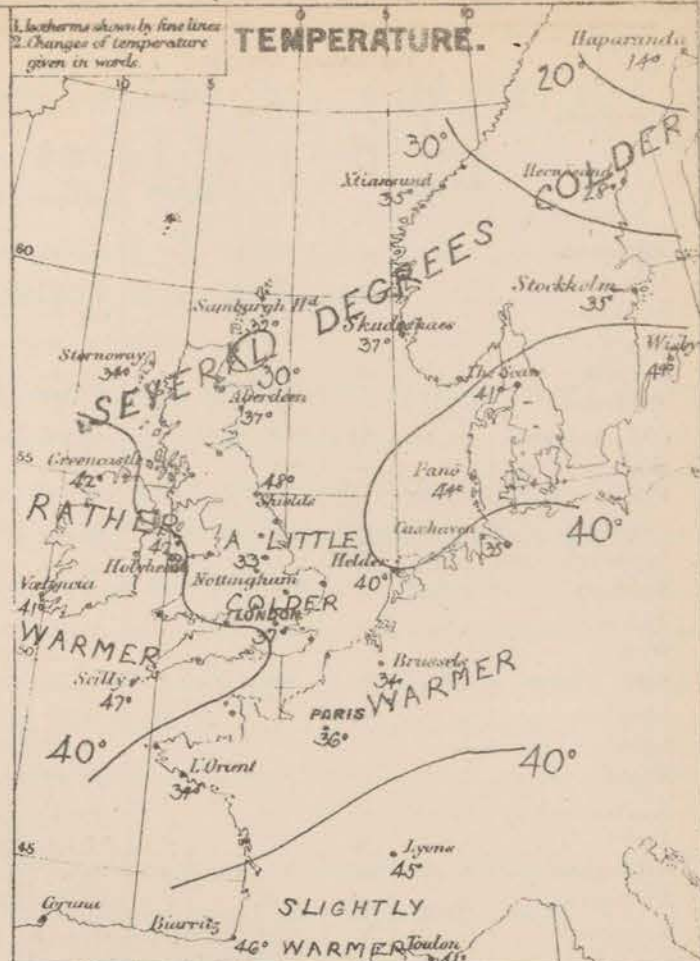
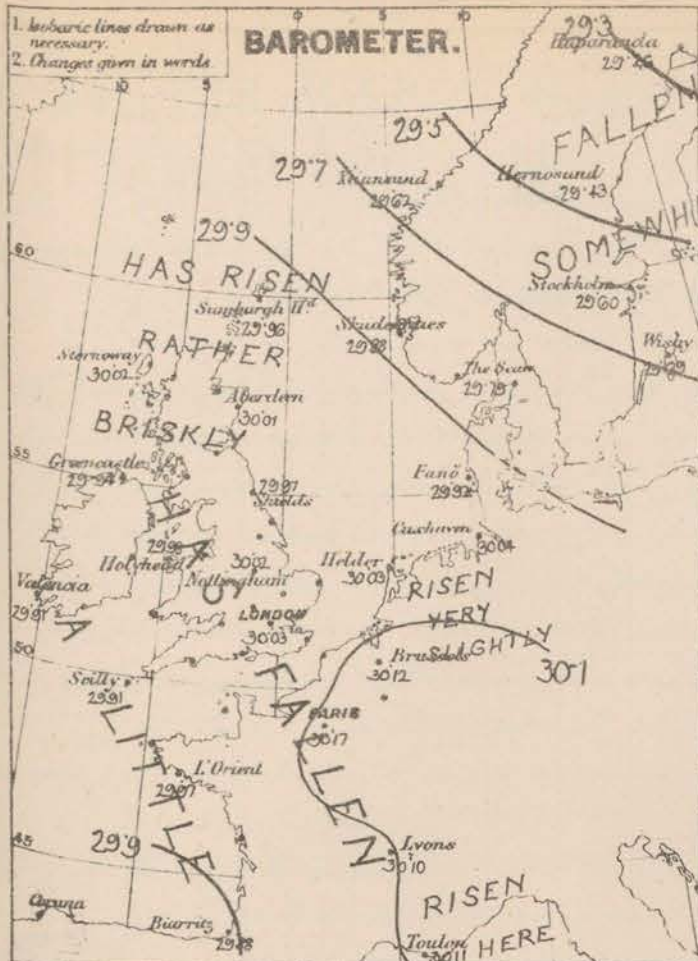
WEATHER.—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; i. lightning; m. misty (hazy); o. overcast; p. passing showers; q. equally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; x. dew.

* 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 23rd Nov^r 1878.



REMARKS. Weather is cloudy or dull in nearly all parts of Western Europe but is moderately clear in the extreme north of Scotland, in London and in the south of France. Fog and mist still prevails at many stations; in the Shetlands snow is falling. Night rain has occurred in the north and north west. Temperature has fallen fast in Scotland and Norway, changed rather irregularly elsewhere; it varies from 47° at Scilly to 33° at Nottingham and to 28° at Mirk. During last night the thermometers fell to 29° at Cambridge and Nottingham and to 27° at Mirk. Wind is moderate to fresh from SE to E over France and the Channel, and moderate to the force of a gale from the W over Scandinavia, while on our coasts light and variable breezes prevail. Sea is nearly smooth.

Barometrical Indications. Pressure is increasing over Scotland, the eastern shores of the North Sea and in the east and south east of France, but is decreasing elsewhere. Readings continue very uniform in the west, while a large depression lies over Lapland.

SUMMARY OF WEATHER IN WESTERN EUROPE

from ^{Nov} SEPT 17th to ^{Nov} SEPT 23rd 1878.

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

The weather during this week has been very much quieter than that of its predecessors. A cyclone which lay over the southern portion of the North Sea on Sunday and occasioned rather fresh N^w winds on our coasts and S^w winds in Denmark subsequently filled up and moved away S^{wd}, the wind gradually became NE^{ly} and an area of high pressure was formed over these Islands. On Tuesday a well marked anticyclone, stretched from Ireland across England and the North Sea to Denmark, and this general distribution, though occasionally slightly modified, lasted till the close of the week. In consequence E^{ly} breezes have prevailed in the S. and SW^{ly} to W^{ly} breezes in the N. with calms in the intervening region. The weather though cloudy and very foggy has been dry, and temperatures low over England, though comparatively high in Scotland.

SUNDAY NOV^r 17th

Weather fine at all our more N^w and N^{ly} stations, but cloudy or dull in the E. with rain at York and Harmouth.

Weather subsequently becoming very gloomy in the SE. and rainy in the S. and over France.

Temperature fallen somewhat in the NW. and N. changed little elsewhere; readings very uniform. Minimum in following night above 32°, except at Androsau and Wick.

Wind N^w on our coasts, N^w to SW^{ly} over France and the Netherlands, SE^{ly} to E^{ly} over Denmark and Scandinavia; fresh to strong in force except in the S. Fresh N^w gale on our NE coast at night.

Sea rough NE., N. and NW. as well as at Scilly.

Barometer rising briskly generally at 8 am. but increase ceasing in the SE. during the day, though continuing elsewhere. Gradient round the depression over the North Sea consequently sharpening.

MONDAY NOV^r 18th

Weather fair generally and sky clear at many of our stations, but rain falling at Brussels and Lyons. Fair all day and scarcely any rain collected.

Temperature lower than on the 18th in the N. and N. as well as over the S. of Scandinavia and S. of France, higher elsewhere. Readings still very uniform. The minimum in following night was 29° at Leith and Cambridge.

Wind NE^{ly} on most coasts, but SW^{ly} at Biaritz and in the NE. of France, generally moderate in force. Light SW^{ly} breezes appearing in the N. of Scotland later in the day.

Sea rough both on our NE. and SW. coasts.

Barometer rising everywhere. Depressions in the SE filling up, and a broad band of high readings spreading from SW. to NE. across these Islands.

TUESDAY NOV^r 19th

Weather cloudy in Scotland, but fair and dry over the whole of Western Europe; much fog over Eastern and Central England. No great change during the day, the only rain being 0.01 in. at some E^{ly} stations.

Temperature risen quickly in Scotland fallen elsewhere, — several degrees over England; readings varying from 46° at Scilly and 47° at Stromoway to 31° at Leith. Minimum in following night about 28° to 32° at the Central stations.

Wind moderate to fresh from E. or NE. over France and the Channel, and from SW. over Scotland, calms over England and Ireland. Very light airs in our neighbourhood all day, but fresh gale at Toulon.

Sea smooth except near the Hebrides.

Barometer falling slightly at Stromoway, Christiansund and over the Shetlands, rising briskly elsewhere. Elongated anticyclone over Ireland England and the North Sea. Fall of the barometer subsequently spreading over Scotland and Norway.

WEDNESDAY NOV^r 20th

Weather still fair and ^(but cloudy) dry in the N. and N.W., and exceedingly foggy over England. At York the fog was very dense all day. The only rain reported was 0.01 in. at Aberdeen.

Temperature risen slightly, except over France, where it was little changed. The highest 8 a.m. reading was 49° at Thurso, the lowest 29° at York. The maxima were as high as 50° in some parts of Scotland, minima were between 26° and 30° at the Central stations.

Wind moderate or light from E. to N.E. over France and the Channel, and from S.W. over Scotland, and the N.W. parts of Ireland and England, but fresh from the W. in Scandinavia. Calm over England.

Sea nearly smooth except at Christiansund and the Scaw.

Barometer was falling except in Scotland. The anticyclone still stretched across Ireland, England and the North Sea, while depressions were shown over the Mediterranean and off the N. of Norway.

THURSDAY NOV^r 21st

Weather still cloudy generally with much fog over England. Some rain in the extreme N. of Scotland and in Norway during the day, weather dry elsewhere.

Temperature fallen in most places - several degrees to the E. of the North Sea. Variously over these Islands from 47° at Hornsund and 43° at Scilly, to 28° at York.

Wind still moderate or fresh from the W. or S.W. over Scandinavia, and from E. to N.E. over France and the Channel, very light and variable on our N. and E. coasts.

Sea nearly smooth except at Christiansund and Cape Fin Noy.

Barometer rising somewhat in the N.W. of Norway, falling elsewhere. Reading high and uniform over these Islands and the North Sea, comparatively low over Lapland and the Mediterranean.

FRIDAY NOV^r 22nd

Weather rainy in the Shetlands, dry elsewhere, though still cloudy and very foggy. Some rain subsequently at our N. stations, as well as in Denmark and the N. of Norway.

Temperature lower than on the 21st except in the N.W. of France and S.W. and Central English stations. Readings varying from 46° at Thurso and 43° in the S.W. to 32° at Liverpool. The minima in the following night about 30° to 32° over the inland districts.

Wind light from E. over France and the Channel, from N. to S.W. at some of our N. stations and over Norway and Sweden but a N.E. breeze reported locally in the N. of Scotland and at Sumburgh Head.

Sea nearly smooth except in the N.

Barometer fallen except at the E. and Central Irish stations. Readings very uniform between 30.0 in. and 30.1 in. over England, Ireland and France, but moderate gradients existing over Scotland.

SATURDAY NOV^r 23rd

Weather cloudy and dull or foggy in most places, with rain at Donaghadee and Lough and snow at Sumburgh Head. Rain falling during the night except in Ireland and the N. of England.

Temperature higher in the N. and over France than on the 22nd, lower elsewhere, - several degrees in the N. Minimum in the following night at Wick 23°.

Wind very light and variable on most of our coasts, but S.E. to E. in the S., and N. over Scandinavia, blowing a gale at Christiansund and Kirky, and a strong breeze at Scilly in the afternoon.

Sea slight at first except at Christiansund, but subsequently rising at Scilly.

Barometer after rising in Scotland, on the eastern shores of the North Sea, and in the E. of France, falling again generally. Readings still very uniform in the N., N. and E. Pressure giving way rather briskly in the S.W. in the afternoon and evening.

Meteorological Office,

116 Victoria Street, Westminster, S.W.

ROBERT H. SCOTT, Secretary

DAILY WEATHER REPORT

NOV 24TH

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	29.38	14	N	2	b	29.53	+ .27	18	18	+ 4	N	2	0	*	?	10	-		
Hernösand	29.40	33	Z	0	b	29.59	+ .16	30	29	+ 2	SH	2	c	*	*	*	-		
Stockholm	29.73	32	N	4	b	29.74	+ .14	28	26	- 7	N	2	b	*	*	*	-		
Wisby	29.80	39	NN	6	bc	29.82	+ .13	38	36	- 6	NNN	8	bc	*	*	*	-		
Christiansund	29.63	35	NSN	8	sr	29.68	+ .06	35	33	0	NSN	4	s	5	37	30	0.63		
Skudesnaes	29.89	37	NN	2	c	29.86	- .02	35	33	- 2	E	2	c	2	37	?	-		
Oxö (Kriksand)	29.91	35	NNN	2	b	29.90	+ .05	31	30	- 6	NNN	2	b	1	39	28	-		
Skagen (The Scaw)	29.90	38	NN	3	b	29.88	+ .09	37	35	- 4	NN	3	b	2	41	32	-		
Fanö	29.95	41	SH	1	0	29.90	- .02	37	36	- 7	S	4	m	*	45	37	0.04		
Cuxhaven	30.05	34	SH	2	0	29.94	- .10	33	33	- 2	SE	1	0	*	36	30	-		
Sumburgh Head	29.94	30	N	1	b	29.87	- .09	32	30	0	Z	0	b	0	36	26	0.11		
Stornoway	29.95	32	N	1	b	29.70	- .32	38	36	+ 4	SE	3	bc	3	38	30	-		
Thurso	29.99	34	SH	2	b	29.82	- .21	35	34	+ 2	SE	1	c	4	38	25	0.05		
Wick	29.96	27	NN	1	b	29.79	- .23	38	35	+ 10	ENE	2	0	0	40	23	-		
Nairn	29.97	34	Z	0	0	29.79	- .24	36	34	- 1	SE	1	c	1	37	31	-		
Aberdeen	29.98	36	NNN	2	c	29.76	- .25	40	39	+ 3	E	5	f	4	41	34	0.20		
Leith	29.93	37	ENE	3	0	29.65	- .33	40	40	+ 2	ENE	3	f	*	41	36	0.09		
Shields	29.91	42	N	2	f	29.70	- .27	37	37	- 6	Z	0	of	1	44	36	0.23		
Scarborough	29.91	40	SH	1	f	29.71	- .25	37	36	- 2	SH	2	f	1	40	36	-		
York	29.91	37	S	1	0	29.68	- .31	36	36	+ 1	SSE	1	0	*	38	33	0.01		
Nottingham	29.94	33	Z	0	0	29.68	- .34	32	32	- 1	NE	1	s	*	40	31	-		
Ardrossan	29.91	37	NNE	3	0	29.66	- .30	39	37	- 2	NE	4	0	2	39	37	-		
Greencastle	29.87	41	NE	1	p	29.64	- .30	41	40	- 1	E	1	0	*	44	38	0.07		
Donaghadee	29.92	36	N	2	b	29.66	- .30	43	42	+ 7	ENE	4	c	2	43	33	-		
Kingstown	29.91	41	Z	0	0	29.62	- .36	43	41	+ 2	E	3	m	3	43	39	-		
Holyhead	29.91	42	Z	0	0	29.61	- .37	39	38	- 3	E	2	m	1	45	39	-		
Liverpool (Bidston)	29.90	39	SSE	1	0	29.65	- .34	35	34	- 1	ESE	1	0	1	41	34	-		
Valencia	29.81	46	E	3	v	29.60	- .31	42	39	+ 1	NNE	3	omv	3	48	40	-		
Roche's Point	29.81	46	ESE	4	f	29.61	- .32	40	39	- 3	NNE	3	f	4	47	38	0.15		
Pembroke	29.86	40	E	2	bc	29.54	- .43	37	37	- 4	NE	3	f	2	41	35	0.14		
Portishead																			
Scilly	29.77	46	E	6	0	29.39	- .52	50	50	+ 3	ESE	4	f	5	50	44	0.11		
Plymouth	29.83	42	SE	6	0	29.45	- .51	44	44	+ 2	E	5	of	*	46	41	0.09		
Hurst Castle	29.89	41	SSE	3	0	29.34	- .68	45	45	+ 4	SSE	3	m	3	45	38	0.07		
Dover	29.99	36	S	3	0	29.67	- .40	40	39	+ 2	SE	2	c	1	41	35	0.01		
London	29.94	39	SE	1	cm	29.63	- .40	36	36	- 1	E	2	ogd	*	44	35	0.02		
Oxford	29.94	36	Z	0	m	29.62	- .41	36	35	- 2	Z	0	f	*	39	33	0.13		
Cambridge	29.94	35	SH	1	0	29.65	- .40	37	37	+ 4	E	1	f	*	39	31	0.02		
Yarmouth	29.97	39	SSH	1	c	29.70	- .35	41	40	+ 5	SE	4	og	3	41	35	-		
The Helder	*	*	*	*	*	29.81	- .22	36	35	- 4	E	1	0	*	*	*	-		
Cape Gris Nez	30.00	32	SSE	1	m	29.67	- .44	37	32	+ 5	SSE	3	f	2	?	32	-		
Jersey	29.86	37	ESE	3	0	29.54	- .48	49	48	+ 10	S	4	omv	4	49	35	0.32		
Brest	29.75	43	ESE	4	0	29.44	- .50	54	54	+ 15	SH	4	0	4	?	32	0.28		
L'Orient	29.78	36	ESE	4	m	29.56	- .41	54	?	+ 20	S	3	m	3	55	32	0.16		
Rocheport	29.80	48	SE	4	0	29.70	- .25	50	48	+ 14	S	4	0	4	54	34	-		
Biarritz	29.73	50	SSE	3	0	29.70	- .18	64	57	+ 18	SSH	5	a	3	66	41	-		
Corunna	*	*	*	*	*	29.57	- .53	53	*	?	?	0	1	*	*	*	*		
Brussels	*	*	*	*	*	29.79	- .33	36	34	+ 2	SE	2	f	*	?	32	-		
Charleville	*	*	*	*	*	29.78	- .34	37	*	+ 2	E	3	0	*	*	*	*		
Paris	30.02	35	NE	1	0	29.82	- .35	39	38	+ 3	NE	2	m	*	*	*	-		
Lyons	*	*	*	*	*	29.95	- .15	55	*	+ 10	SE	4	0	*	*	*	*		
Toulon	30.14	48	E	5	0	30.16	+ .05	50	48	+ 9	E	6	0	5	50	41	-		

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

	Bar.	Dry.	Wet.	Wind.	Woa.	Sea.		Bar.	Dry.	Wet.	Wind.	Woa.	Sea.		
Skudesnaes ...	29.88	36	35	N	3	c	2	Valencia	29.85	47	45	NNE	2	omv	3
Thurso	30.02	34	34	NSN	2	sp	3	Scilly	29.83	45	44	ESE	6	0	5
Scarborough ...	29.93	40	39	SH	1	of	1	London	29.98	42	39	SE	2	c	*
Mullaghmore	29.95	42	41	NNN	2	tg	2	Rocheport ...	29.86	45	41	SE	4	bc	3
Holyhead	29.94	44	42	SSH	1	off	1								

Pressure is decreasing in all places, rather briskly at Scilly, where the ESE⁺ wind is rising somewhat.

Mullaghmore	29.91	41	SSH	2	f	29.67	- .30	41	40	+ 1	ESE	3	og	2	42	39	0.14
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EXPLANATION OF COLUMNS.

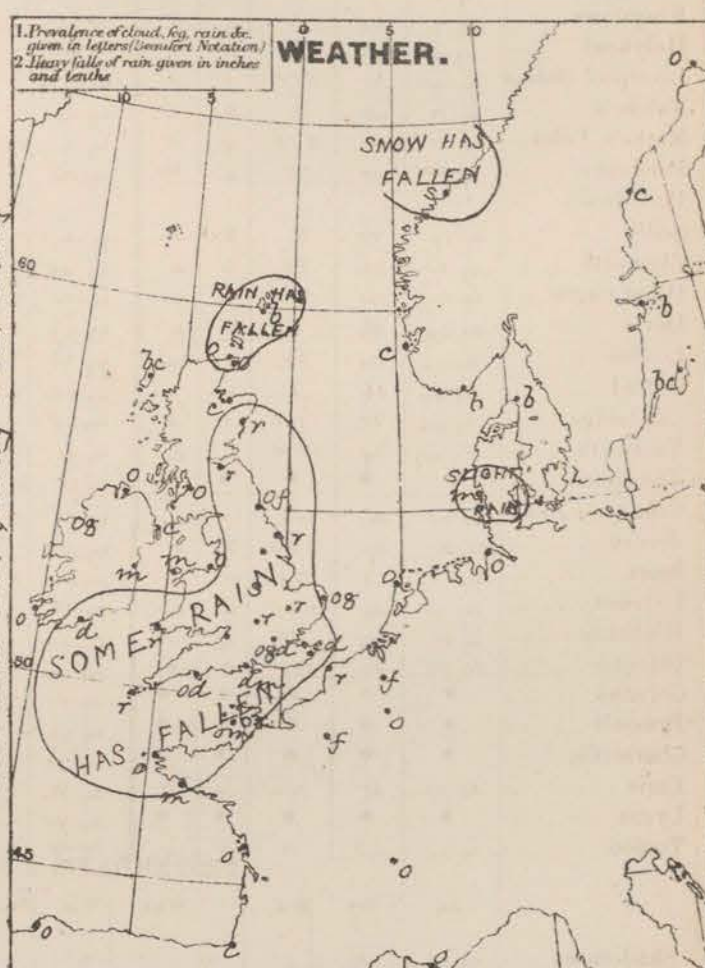
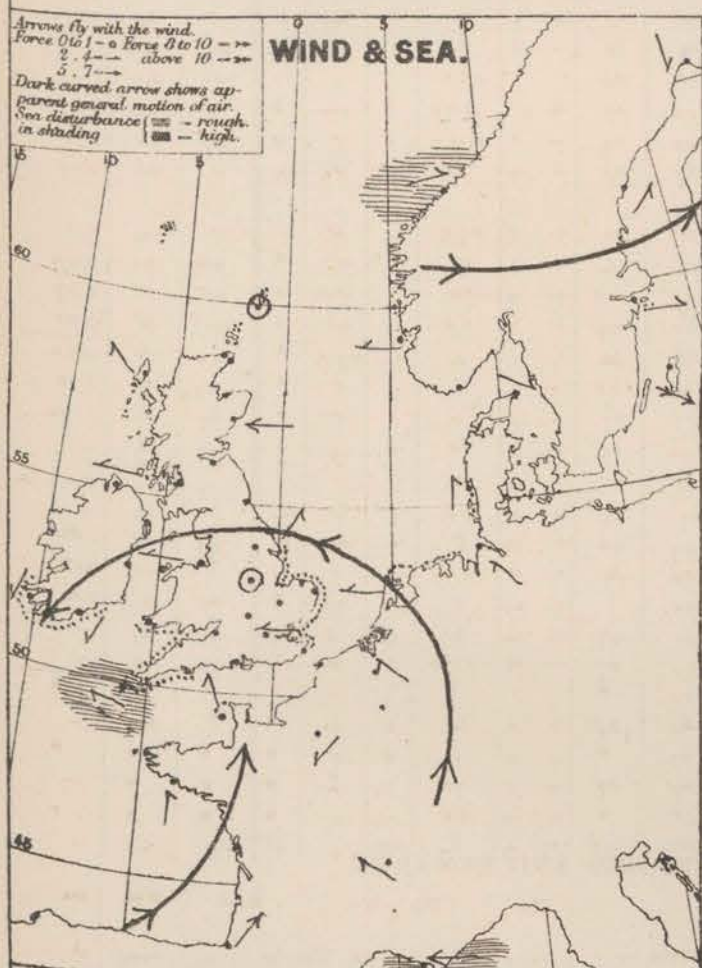
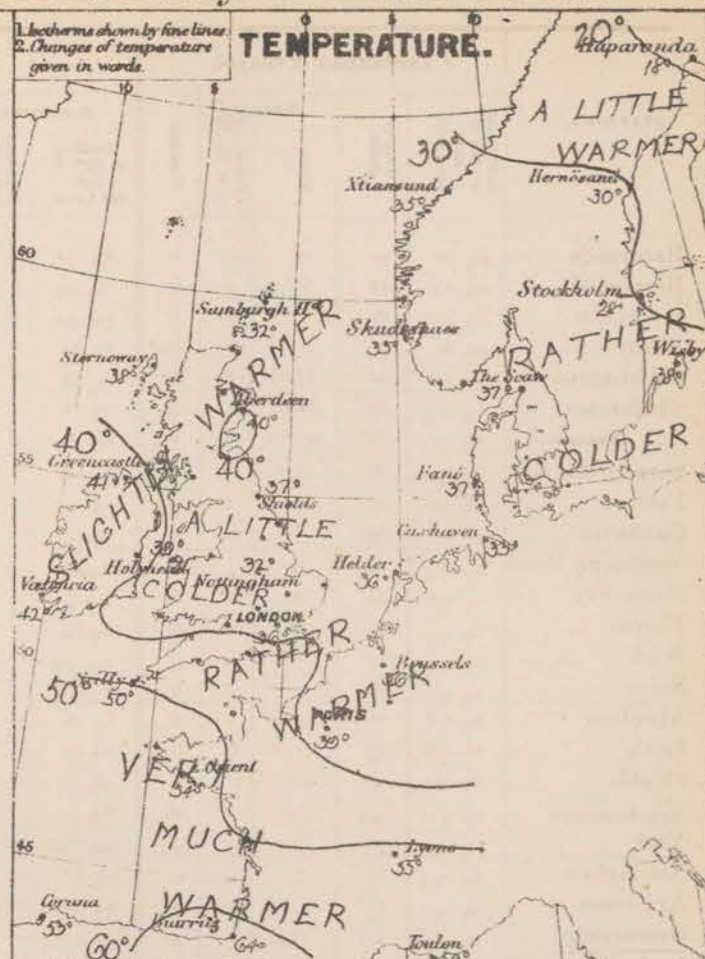
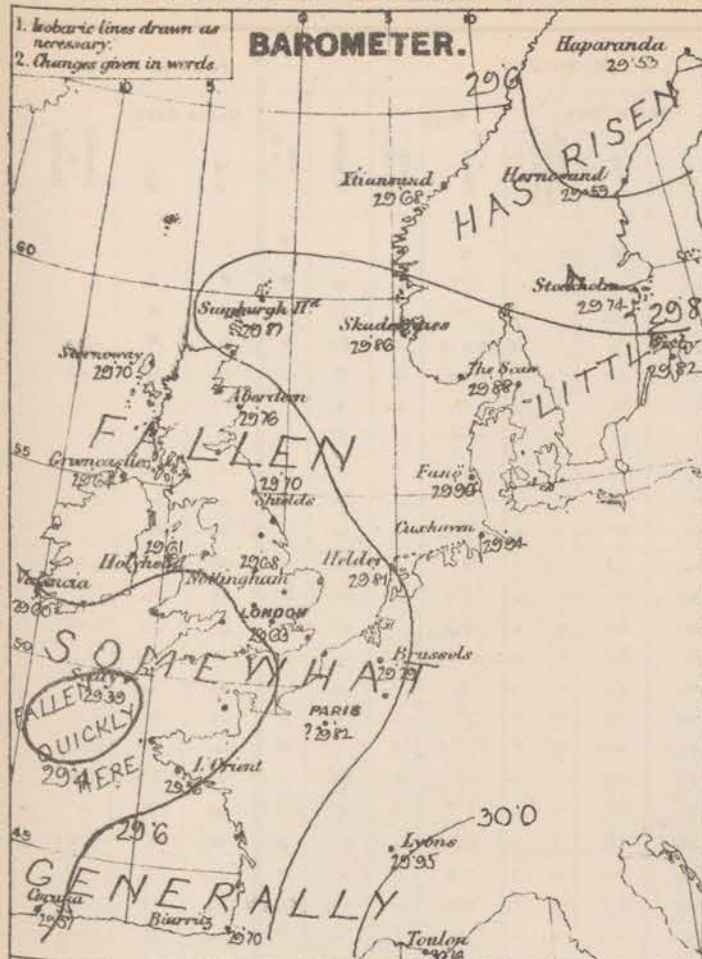
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

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

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

WEATHER CHARTS *for 8 a.m. on Sunday 24TH Nov^R 1878.*



Note A dotted line is drawn round these counts which were worked either yesterday or this morning.

REMARKS. Weather is clear and bright in the southern parts of Scandinavia but very cloudy in all other parts of Northern Europe; rain is falling at all our eastern and southern stations, and fog and mist prevail in the south east. Rain fell during yesterday at all but our north, western station. Temperature has fallen slightly over Central England and also in Denmark and the south of Scandinavia, but risen elsewhere very quickly in the west and south of France; at L'Orne the change since yesterday amounts to no more than 20° , while at Biarritz the thermometer at present stands as high as 64° . During last night the thermometers fell to 23° at Trich, to 25° at Tussas, and to 31° over Central England. Wind is S^W over France, S^E to E^S over Great Britain, and NNE^W in the south of Ireland; it is generally light to moderate in force but blows freshly at Aberdeen and Plymouth. Sea is rather rough at Christiansund and Sully, slight or smooth elsewhere. Barometrical Indications. The barometer is rising somewhat over Norway and Sweden but falling elsewhere - quickly on our south west coasts. Readings are relatively high both over Denmark and the south east of France, but a depression appears to be advancing towards our south west coasts. Warnings. The South Cora was hoisted on our south west coasts last evening, and the North Cora is now hoisted ^{in England} in the east.

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

R. H. SCOTT.
Secretary.

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

R. H. SCOTT.

Secretary

DAILY WEATHER REPORT

Nov 25th

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 ...	29.62	5	Y	0	f	29.77	+ .24	2	- 2	- 16	N	2	b	*	18.	- 4	-	
Hernösand ...	29.67	26	Z	0	f	29.87	+ .28	26	25	- 4	Z	0	b	*	*	*	-	
Stockholm ...	29.78	36	WNW	2	f	29.77	+ .03	24	24	- 4	Z	0	f	*	*	*	-	
Visby ...	29.88	38	W	4	f	29.77	- .05	37	36	- 1	ESE	4	p	*	*	*	-	
Christiansund ...	29.69	36	WSW	3	s	29.69	+ .01	31	30	- 4	SE	1	b	4	37	27	-	
Skudesnaes ...	29.70	37	ENE	4	bc	29.57	- .35	39	35	+ 4	ENE	6	o	4	?	34	-	
Oxö (Tjansand) ...	29.75	37	N	4	bc	29.56	- .34	33	33	+ 2	NNE	6	o	4	37	30	-	
Skagen (The Seaw) ...	29.76	40	ESE	4	o	29.58	- .30	39	37	+ 2	SE	5	p	5	41	30	0.04	
Fanö ...	29.63	24	SE	4	o	29.41	- .49	42	42	+ 5	SSE	4	f	*	43	34	-	
Cuxhaven ...	29.71	36	SE	2	o	29.49	- .45	48	48	+ 15	SSW	2	p	*	?	32	0.11	
Sumburgh Head ...	29.72	37	NE	3	c	29.54	- .33	39	36	+ 7	NE	4	c	3	40	30	-	
Stornoway ...	29.72	37	NE	3	c	29.54	- .33	39	36	+ 7	NE	4	c	3	40	30	-	
Thurso ...	29.63	39	E	3	o	29.48	- .34	41	40	+ 6	ENE	5	p	4	41	34	0.23	
Wick ...	29.57	40	ESE	7	o	29.49	- .30	41	40	+ 3	ENE	6	o	4	42	36	0.15	
Nairn ...	29.52	37	ENE	1	o	29.38	- .41	40	39	+ 4	ENE	4	p	4	40	34	0.70	
Aberdeen ...	29.57	41	SE	4	p	29.33	- .43	44	41	+ 4	NE	3	o	4	44	40	0.66	
Leith ...	29.46	37	SE	1	p	29.30	- .35	38	38	- 2	?	3	o	*	41	36	0.17	
Shields ...	29.47	38	Z	0	p	29.23	- .42	40	39	+ 3	WN	1	sm	1	40	36	0.27	
Scarborough ...	29.43	42	SSE	2	o	29.25	- .46	43	43	+ 6	WNW	1	f	2	44	37	0.27	
York ...	29.44	38	SE	1	o	29.27	- .41	39	39	+ 3	WNW	1	m	*	39	34	0.24	
Nottingham ...	29.42	38	Y	0	p	29.33	- .35	38	38	+ 6	Y	0	o	*	39	32	0.47	
Ardrossan ...	29.45	38	E	1	o	29.33	- .35	36	35	- 3	E	1	of	0	41	35	-	
Greencastle ...	29.45	40	E	1	p	29.32	- .32	37	36	- 4	W	1	o	*	43	36	0.18	
Donaghadee ...	29.40	40	E	3	o	29.35	- .31	39	39	- 4	NNE	2	bc	1	43	37	0.14	
Kingstown ...	29.43	43	NE	3	o	29.35	- .24	37	35	- 6	WNW	4	b	4	43	36	0.01	
Holyhead ...	29.40	38	E	3	b	29.38	- .28	43	40	+ 4	WNW	1	o	1	44	37	0.02	
Liverpool (Bidston) ...	29.40	37	E	1	p	29.32	- .33	38	37	+ 3	Y	0	bc	1	39	34	0.08	
Valencia ...	29.48	40	NE	2	c	29.41	- .19	38	37	- 4	ESE	3	bc	3	45	32	0.03	
Roche's Point ...	29.46	41	NNE	4	o	29.46	- .15	34	32	- 6	NNE	1	b	2	44	33	0.08	
Pembroke ...	29.33	40	NNE	3	p	29.37	- .17	43	42	+ 6	NNE	1	og	2	43	36	0.12	
Portishead ...	29.33	40	NNE	3	p	29.37	- .17	43	42	+ 6	NNE	1	og	2	43	36	0.12	
Scilly ...	29.30	32	SSW	6	o	29.46	+ .07	47	45	- 3	WNW	5	o	4	54	46	0.13	
Plymouth ...	29.33	32	SSE	3	o	29.29	- .06	44	44	0	W	2	of	*	34	43	0.22	
Hurst Castle ...	29.33	50	SSW	4	cm	29.33	- .21	50	49	+ 5	WSW	4	cp	5	54	44	0.28	
Dover ...	29.49	50	SW	3	b	29.39	- .28	50	49	+ 10	SW	4	bcg	3	57	40	0.04	
London ...	29.44	52	S	1	om	29.34	- .29	52	50	+ 16	SW	3	c	*	52	36	0.16	
Oxford ...	29.43	48	SE	1	p	29.31	- .31	48	47	+ 12	W	3	f	*	52	33	0.13	
Cambridge ...	29.42	48	SE	1	o	29.31	- .34	51	50	+ 14	SW	1	o	*	57	36	0.14	
Yarmouth ...	29.48	45	SSW	3	rm	29.33	- .37	49	49	+ 8	SSW	3	d	3	47	40	0.26	
The Helder ...	*	*	*	*	*	29.38	- .43	48	48	+ 12	S	2	p	*	*	*	0.08	
Cape Gris Nez ...	29.54	50	S	4	bc	29.41	- .26	52	50	+ 15	S	5	c	4	52	36	0.24	
Jersey ...	29.47	53	SSW	4	o	29.42	- .12	57	57	+ 2	WSW	3	o	3	54	48	0.27	
Brest ...	29.43	50	E	4	o	29.43	- .01	50	46	- 4	SSW	1	o	3	54	46	-	
L'Orient ...	29.45	52	S	3	o	29.42	- .14	52	?	- 2	SW	2	o	3	57	50	0.12	
Rocheport ...	29.61	54	S	3	o	29.54	- .16	54	52	+ 4	SSE	5	p	4	55	45	-	
Biarritz ...	29.63	57	?	4	o	29.57	- .19	64	57	0	SE	5	c	3	70	?	-	
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Brussels ...	*	*	*	*	*	29.50	- .27	52	49	+ 16	S	5	o	*	53	?	0.12	
Charleville ...	*	*	*	*	*	29.56	- .22	50	*	+ 13	S	1	p	*	*	*	*	
Paris ...	29.71	48	ENE	2	o	?	?	49	49	+ 10	SE	2	o	*	*	*	0.08	
Lyons ...	*	*	*	*	*	29.50	- .15	59	*	+ 4	S	1	c	*	*	*	*	
Toulon ...	30.10	50	E	6	c	29.98	- .18	54	50	+ 4	E	7	bc	6	54	48	-	

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

Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.76	39	34	E	2	0	2	Valencia ...			
Thurso ...								Scilly ...			
Scarborough ...								London ...			
Greencastle ...						*		Rocheport ...	29.65	55	52
Holyhead ...											

Mullaghmore	29.46	41	N	1	bc	29.35	- .32	40	39	- 1	NE	2	c	2	43	35	0.05
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EXPLANATION OF COLUMNS

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

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

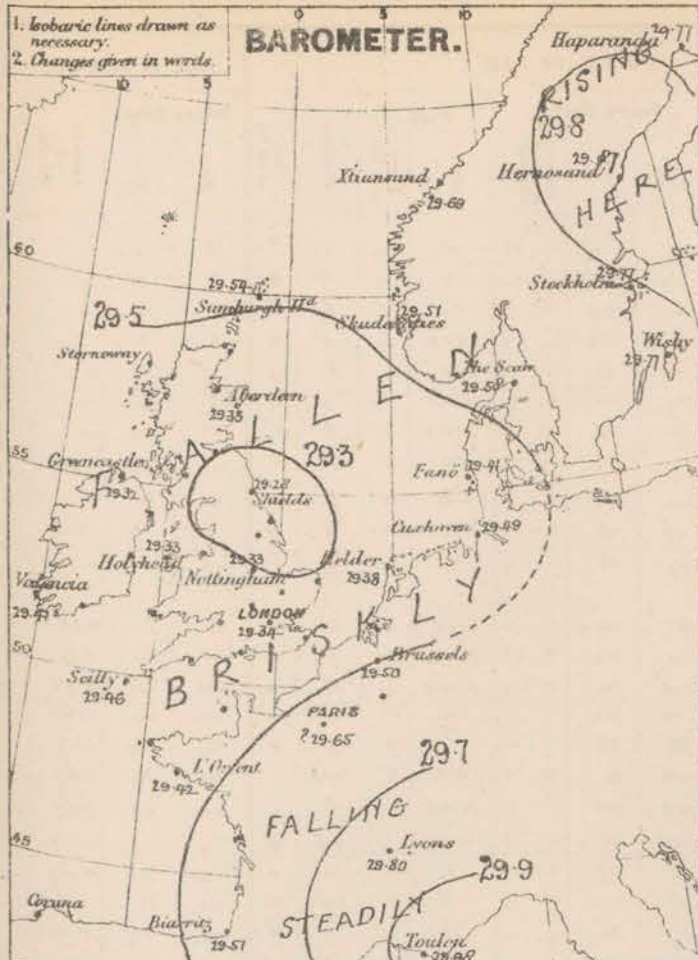
† The evening observations are taken at 6 p.m. in our Islands, at 8 p.m. (Christiania time) in Sweden, Norway, and Denmark, and at 7 p.m. (Paris time) in France.

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

WEATHER CHARTS for 8 a.m. on Mon-day 25 Nov^r 1878.

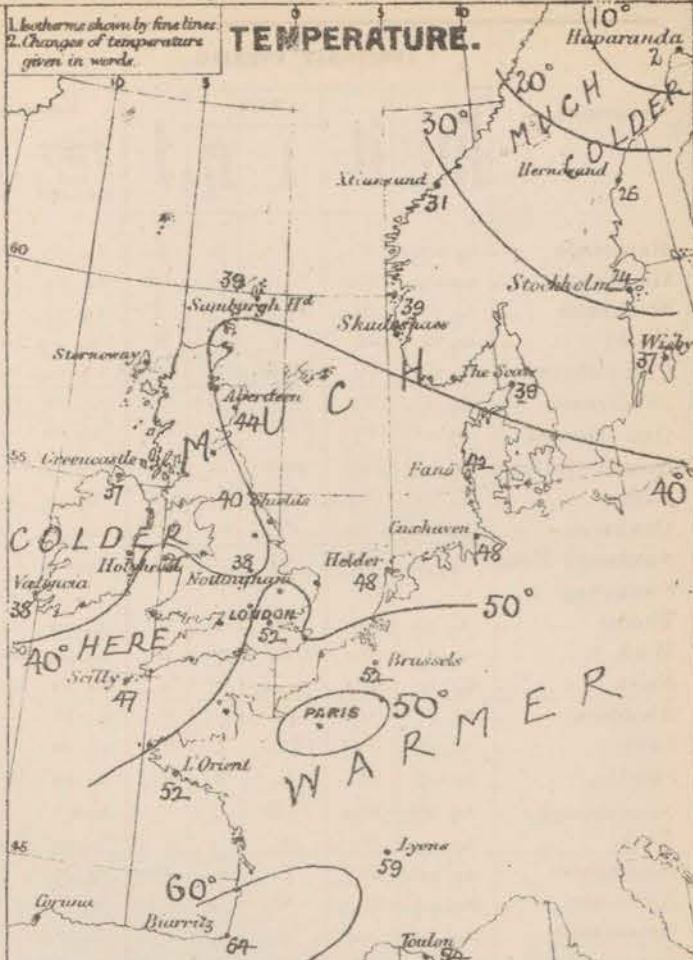
1. Isobaric lines drawn as necessary.
2. Changes given in words.

BAROMETER.



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

TEMPERATURE.



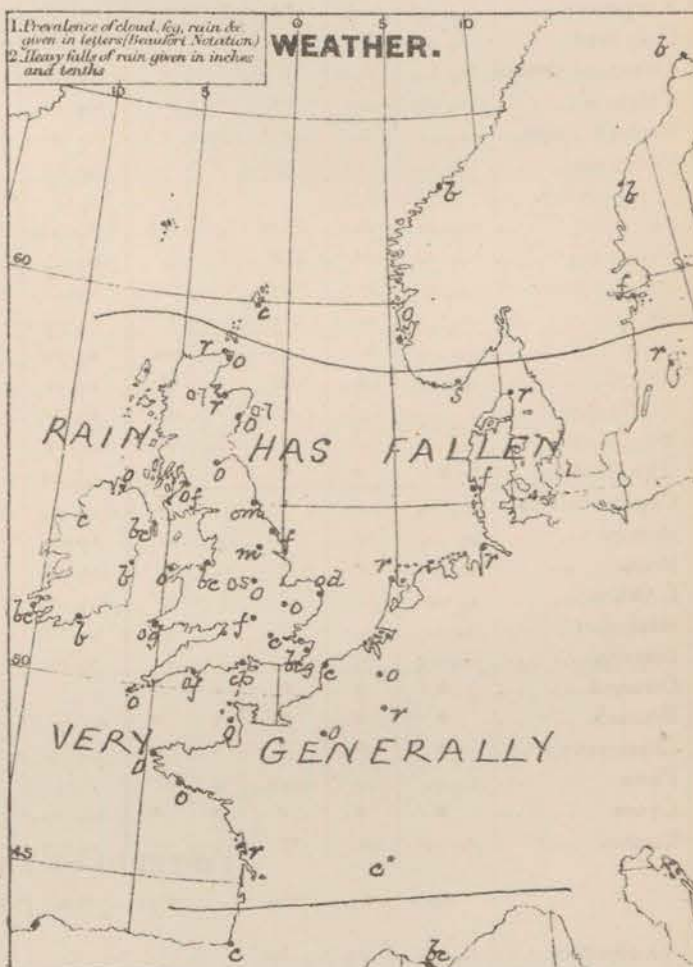
1. Arrows fly with the wind. Force 0 to 10 ——— above 10 ———
2. Dark curved arrow shows apparent general motion of air. Sea disturbance: ——— rough in shading ——— high.

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.



Note: A dotted line is drawn round the coast where the signals were up.

REMARKS. Weather over the United Kingdom is very unsettled. Over the Sth half of Ireland it is at present fine, in the S of England it is cloudy and showery, in the NE foggy & hazy, and in the N. of Scotland rainy. Rain has fallen very generally in the past 24 hours, the largest amounts being reported from our N and NE coasts. Temperature is very irregularly distributed and changing suddenly, at the SE stations it has risen rapidly, in the NE slightly, but in the W. it has decreased. London (52°) is 16° warmer than it was at Paris yesterday, and is also 15° warmer than Rochester & this morning, and 14° warmer than Nottingham. Wind varies greatly, it is fresh to strong from ENE in Scotland and at Shetland very variable in Ireland, fresh from N.W. at Scilly, and light from W. at the SE stations. At Valencia it has become light from SE and in the SW of France it is freshening from SSE. Sea is generally moderate, but rather rough at Hurst Castle. Barometrical indications. In the course of the past twenty four hours a depression has travelled slowly in a NE direction over England, and now lies over our NE coast. In its rear the barometer rose very little, and at Valencia a fresh gale has set in and further disturbances seem to be approaching our SW coasts.

Warnings. The S. low was noticed on our extreme SW coasts on Saturday. The N. low over our E. coast yesterday, and on our N. and NE coasts and part of the Channel this morning.

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

R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT

Nov 26th

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).			Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force (0 to 12).			Max.	Min.				
																	Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	
Haparanda ...	29.84	9	N	2	o	29.87	+ .10	7	6	+ 5	Z	0	f	*	9	- 2	-		
Hernösand ...	29.82	23	N	4	o	29.63	- .24	33	32	+ 7	NNE	4	f	*	*	*	0.20		
Stockholm ...	29.58	37	E	2	f	29.40	- .37	41	40	+ 17	S	2	f	*	*	*	0.24		
Wisby ...	29.58	40	SE	4	f	29.51	- .26	45	45	+ 8	SH	4	o	*	*	*	0.16		
Christiansund ...	29.56	28	ESE	2	b	29.38	- .31	33	31	+ 2	E	3	o	3	34	23	-		
Skudesnaes ...	29.31	36	SE	4	3	29.33	- .18	36	35	- 3	NNE	2	of	2	39	36	0.16		
Oxö (Xtiansand)																			
Skagen (The Sæw)	29.34	45	SH	4	f	29.35	- .23	46	46	+ 7	SH	3	r	4	46	34	0.67		
Fanö ...	29.39	47	SH	4	o	29.37	- .04	45	45	+ 3	SH	2	f	*	?	41	0.12		
Cuxhaven ...	29.47	50	SH	2	o	29.42	- .07	49	48	+ 1	SH	2	r	*	?	45	0.21		
Sumburgh Head	29.48	40	NE	5	bc	29.52	- .02	36	34	- 3	NE	4	bc	4	40	33	0.04		
Stornoway																			
Thurso ...	29.50	41	ENE	4	b	29.58	+ .10	39	38	- 2	NNE	2	bc	3	42	34	0.05		
Wick ...	29.48	41	NE	3	bc	29.55	+ .06	34	33	- 7	NN	1	o	3	42	33	0.01		
Nairn ...	29.43	40	NE	4	f	29.56	+ .18	37	35	- 3	NE	3	b	3	42	37	0.48		
Aberdeen ...	29.38	43	NE	4	f	29.50	+ .17	37	35	- 7	N	3	c	5	44	37	0.09		
Leith ...	29.34	37	NN	2	f	29.47	+ .17	40	38	+ 2	ENE	4	c	*	42	34	1.07		
Shields ...	29.33	40	NNN	2	o	29.46	+ .18	37	36	- 3	NN	3	hf	2	43	32	0.07		
Scarborough ...	29.36	41	NN	1	c	29.46	+ .21	35	34	- 8	N	1	bc	2	44	35	0.02		
York ...	29.36	41	N	1	c	29.48	+ .21	30	30	- 9	NNN	1	bc	*	43	28	0.01		
Nottingham ...	29.43	34	Z	0	b	29.50	+ .17	32	32	- 6	Z	0	cf	*	43	30	-		
Ardrossan ...	29.35	36	E	1	b	29.49	+ .16	36	35	0	ESE	1	hf	0	42	32	0.08		
Greencastle ...	29.34	35	NE	1	b	29.47	+ .15	35	35	- 2	E	1	o	*	57	30	0.01		
Donaghadee ...	29.40	34	N	2	bc	29.50	+ .15	29	29	- 10	N	2	b	1	40	27	-		
Kingstown ...	29.43	35	NNN	1	bc	29.49	+ .11	33	31	- 4	N	1	cf	2	40	30	-		
Holyhead ...	29.40	41	NNN	1	b	29.47	+ .14	35	34	- 8	SSE	1	c	0	44	34	-		
Liverpool (Hidston)	29.40	38	SH	2	b	29.49	+ .17	37	35	- 1	SH	1	b	1	44	33	-		
Valencia ...	29.41	39	N	2	bc	29.42	+ .01	40	39	+ 2	SSE	3	c	3	49	32	0.09		
Roche's Point...	29.42	38	ENE	3	bc	29.48	+ .02	33	32	- 1	N	2	bc	3	43	32	-		
Pembroke ...	29.42	41	NNN	1	bc	29.48	+ .11	36	36	- 7	NE	1	bc	2	40	36	-		
Portishead ...																			
Scilly ...	29.42	47	N	4	o	29.41	- .05	47	45	0	N	4	c	3	47	46	-		
Plymouth ...	29.41	44	Z	0	o	29.47	+ .08	40	39	- 4	NNE	1	o	*	47	40	0.49		
Hurst Castle ...	29.40	44	NE	3	m	29.45	+ .12	41	40	- 9	NNE	3	m	2	49	39	0.08		
Dover ...	29.42	48	SH	4	o	29.43	+ .04	42	41	- 8	N	3	of	1	52	41	0.13		
London ...	29.44	44	NN	2	o	29.47	+ .13	40	39	- 12	ENE	1	off	*	53	39	0.03		
Oxford ...	29.44	38	SH	1	f	29.49	+ .18	38	37	- 10	NN	1	o	*	50	36	0.02		
Cambridge ...	29.43	40	Z	0	o	29.47	+ .16	38	38	- 13	N	1	o	*	52	36	0.05		
Yarmouth ...	29.40	44	N	3	o	29.46	+ .13	42	42	- 7	NN	2	f	2	52	39	0.06		
The Helder ...	*	*	*	*	*	29.38	0.00	46	46	- 2	NNN	1	r	*	*	*	0.32		
Cape Gris Nez	29.43	50	SH	1	f	29.43	+ .02	45	45	- 7	NNE	3	m	2	52	45	0.47		
Jersey ...	29.38	49	NE	1	f	29.40	- .02	48	48	- 3	N	1	f	1	57	46	0.26		
Brest ...	29.39	50	N	2	f	29.44	+ .04	46	45	- 4	ENE	2	o	3	50	45	0.35		
L'Orient ...	29.38	52	S	2	m	29.43	+ .01	48	?	- 4	NN	2	m	3	54	45	0.16		
Rochefort ...	29.45	57	S	3	c	29.48	- .06	54	52	0	SSE	3	o	3	59	37	0.08		
Biarritz ...	29.45	59	SSE	5	c	29.44	- .07	63	59	- 1	SSE	5	o	3	70	57	-		
Corunna ...	*	*	*	*	*										*	*	*		
Brussels ...	*	*	*	*	*	29.45	- .05	54	52	+ 2	S	4	o	*	55	50	0.24		
Charleville ...	*	*	*	*	*	29.53	- .03	50	5	0	SH	1	c	*	o	*	*		
Paris ...	29.56	57	ESE	2	o	29.58	?	51	51	+ 2	NN	2	o	*	*	*	0.32		
Lyons ...	*	*	*	*	*	29.72	- .08	60	*	+ 1	S	4	o	*	*	*	*		
Toulon ...	29.59	54	E	7	o	29.84	- .14	54	54	0	E	7	r	7	55	52	-		
YESTERDAY'S 2 P.M. REPORTS AND REMARKS.																			
	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.						
Skudesnaes ...	29.36	35	34	ENE	6	5	4	Valencia	29.40	45	42	SH	2	bc	2				
Thurso	29.48	42	41	ENE	5	p	4	Scilly	29.43	47	46	N	4	o	4				
Scarborough ...	29.31	44	43	NN	1	o	2	London	29.39	47	45	SH	2	c	*				
Mullaghmore ...	29.38	42	40	SH	2	bc	2	Rochefort ...	29.45	57	54	SSE	5	bc	4				
Holyhead	29.39	43	40	NN	3	bc	2												

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.36	35	34	ENE	6	5	4	Valencia	29.40	45	42	WSW	2	bc	2
Thurso	29.45	42	41	ENE	5	p	4	Scilly	29.43	47	46	N	4	o	4
Scarborough ...	29.31	44	43	NN	1	o	2	London	29.39	47	45	WSW	2	o	*
Mullaghmore .	29.38	42	40	WSW	2	bc	2	Rochefort ...	29.45	57	54	SSE	5	bc	4
Holyhead	29.39	43	40	NNN	3	bc	2								

Very little change has occurred since the morning, but at Valencia the barometer has fallen slightly since noon.

Mullaghmore	29.37	39	SH	3	b	29.47	+ .12	29	29	- 11	ESE	2	c	1	43	28	-
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EXPLANATION OF COLUMNS.

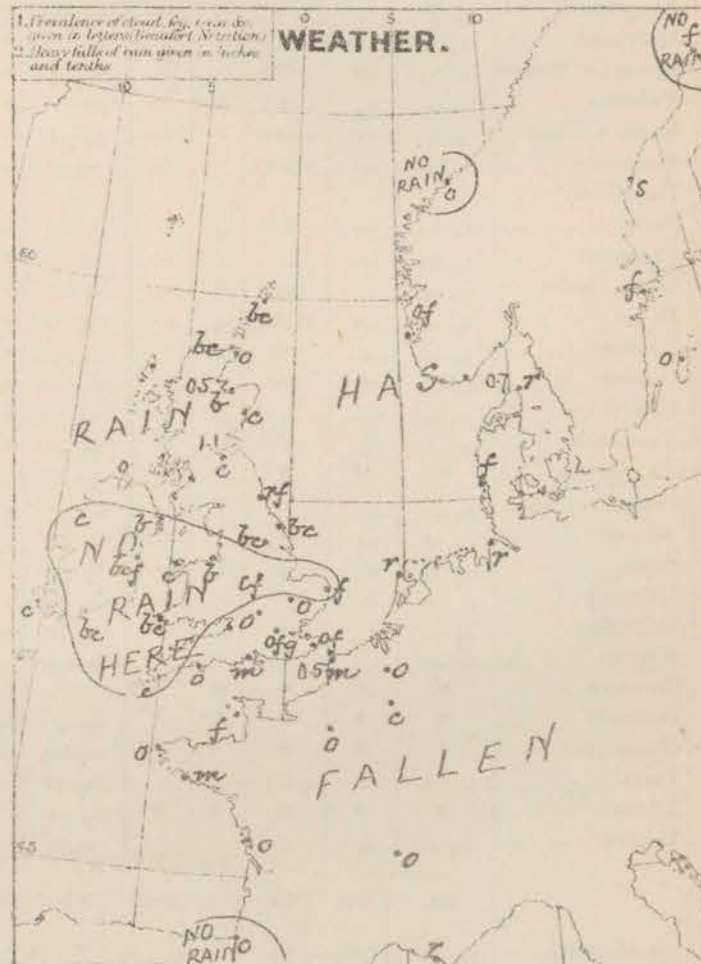
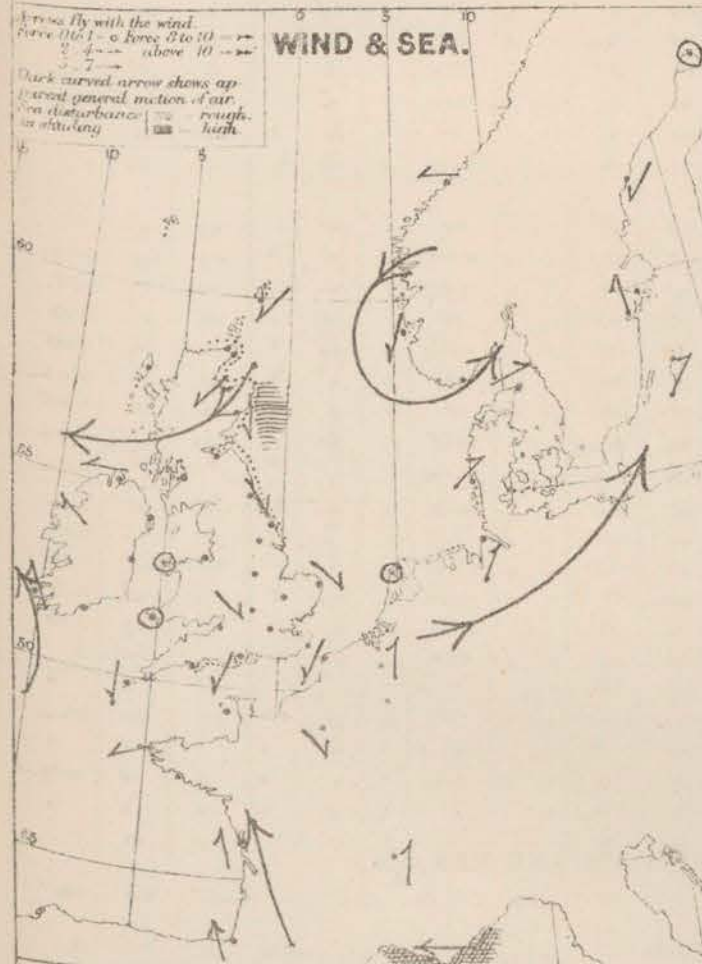
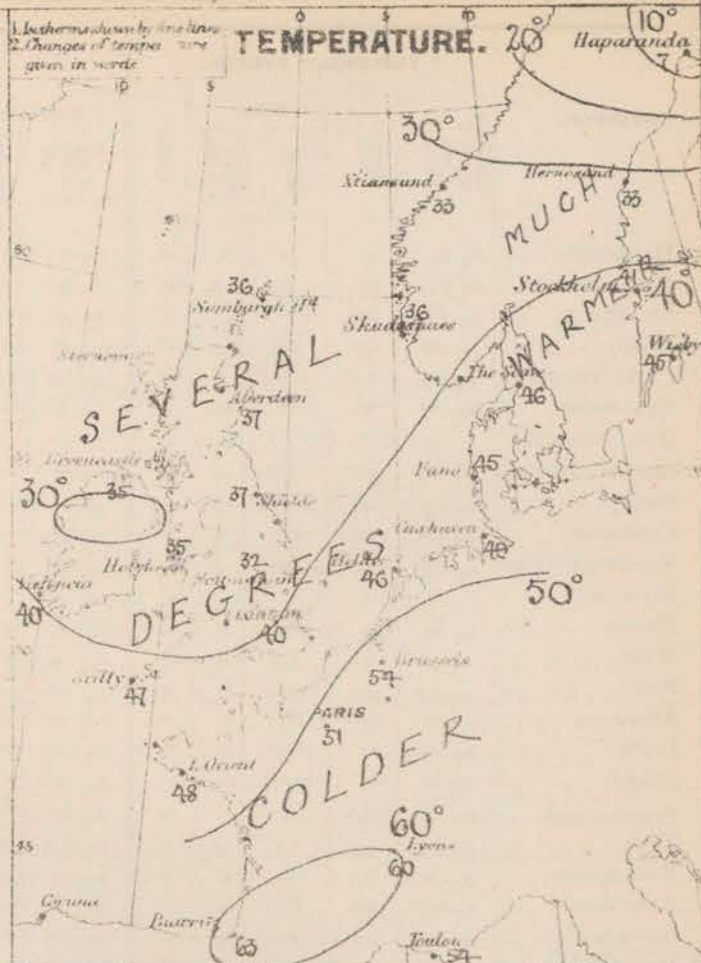
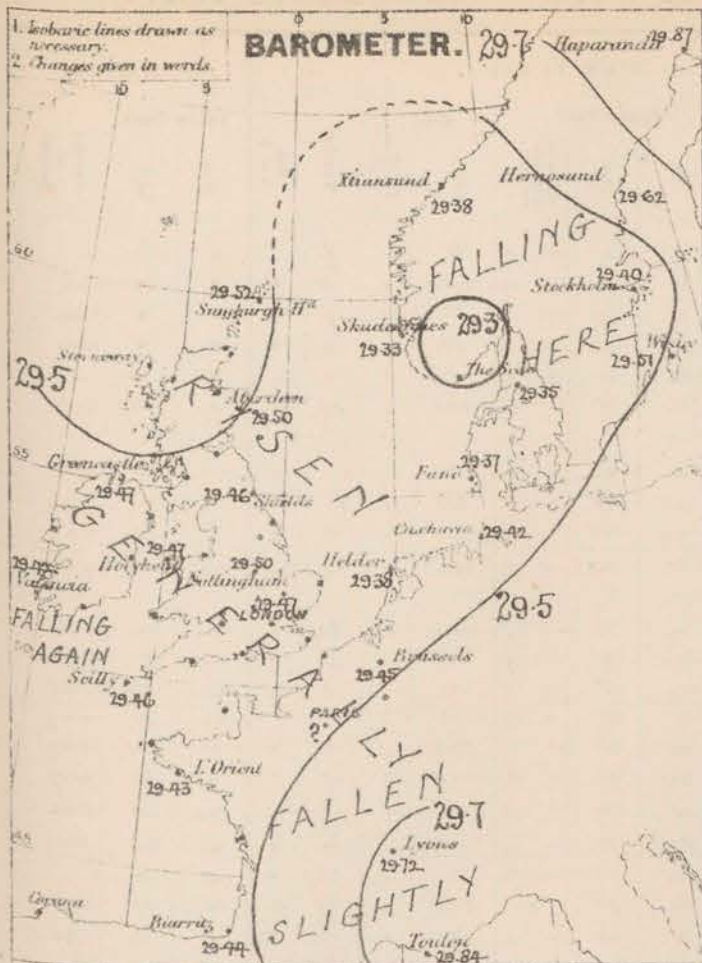
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 26. Nov^r 1876.



REMARKS. Weather over the United Kingdom and its neighbourhood is very gloomy dull and foggy, except in Scotland, where the sky is more or less clear, in several places the fog is very thick, and in London the sky is also overcast with a dense canopy of cloud. Rain fell in the N. yesterday more than in any other part, and half an inch at Paris. Temperature has fallen in almost all places, and the readings this morning were greatly in different localities. In the S. of France they vary from 60 to 65, over Central England they are 50 to 55, in the N. of England 40 to 45, and in the N. of Sweden 30 to 35. The S. parts of France are consequently about 20° warmer than the N. of England and 5° warmer than Sweden. Wind is light and very variable over Ireland, England and the Channel, moderate from the S. and S.E. in the S. of France, moderate from the N.E. in Scotland. It blew a fresh gale from N.E. at Paris for a few hours after midnight, and a strong breeze at Aberdeen. Very slight or smooth except at Aberdeen. Barometrical indications. The barometer has risen over our islands, but fallen slightly in France and Sicily on the E. shore of the North Sea. A broad band of low pressure lies over the Bay of Biscay, the Channel, Ireland, England and the North Sea, and the depression which over our N.E. coasts yesterday has reached the S. of Norway. At Valentia and Bantry the mercury is falling slightly. **Warnings.** The signals are still up on our N. and N.E. coasts.

DAILY WEATHER REPORT

Nov. 27th

1878.

STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										LAST 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 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).			Max.	Min.		
Haparanda ...	29.77	9	Z	0	5	29.50	-.37	14	14	+ .7	NE	6	0	*	14	7	-	
Hernösand ...	29.35	34	E	4	†	29.36	-.27	28	27	- .5	NNN	2	0	*	*	*	0.32	
Stockholm ...	29.31	48	SSW	2	0	29.44	+ .04	37	37	- .4	N	4	0	*	*	*	0.24	
Wisby ...	29.45	45	SW	8	†	29.45	-.06	45	?	0	WSW	4	0	*	*	*	0.20	
Christiansund ...	29.58	31	N	1	c	29.57	+ .13	33	28	0	NNN	3	c	3	34	23	0.12	
Skudesnaes ...	29.44	34	NNW	2	5	29.54	+ .21	33	31	- .3	NNN	2	0	2	36	?	-	
Oxö (Tiansand) ...	29.40	36	NNE	2	0	29.46		32	31		N	4	c	2	36	30	-	
Skagen (The Seaw) ...	29.39	42	Z	0	0	29.47	+ .12	39	37	- .7	NNE	3	0	3	48	36	-	
Fanö ...	29.47	43	WSW	1	0	29.45	+ .08	41	41	- .4	Z	0	†	*	46	41	0.28	
Cuxhaven ...	29.47	49	WSW	1	0	29.42	.00	50	50	+ .1	SSW	1	†	*	50	43	0.57	
Sumburgh Head ...	29.57	36	NNE	2	5	29.65	+ .13	36	33	0	NNE	3	0	3	38	32	-	
Stornoway ...	29.59	35	NNW	2	5	29.55	-.03	36	35	+ .1	SSE	5	c	4	38	30	0.08	
Thurso ...	29.61	31	Z	0	5	29.65	+ .07	30	30	- .9	Z	0	cf	3	46	29	-	
Wick ...	29.59	32	N	2	5	29.64	+ .09	30	29	- .4	Z	0	c	0	42	29	0.07	
Nairn ...	29.61	34	NE	2	†	29.63	+ .07	27	27	- .10	Z	0	c	3	38	27	0.04	
Aberdeen ...	29.55	39	N	3	5	29.61	+ .11	33	32	- .4	NNW	1	c	2	41	32	-	
Leith ...	29.34	40	NE	3	0	29.57	+ .10	34	34	- .6	NNW	1	mrs	*	42	34	0.11	
Shields ...	29.57	41	Z	0	†	29.53	+ .07	41	39	+ .4	NNE	3	0	3	42	35	1.25	
Scarborough ...	29.48	38	WSW	1	5	29.46	.00	44	42	+ .9	ENE	2	c	3	44	34	0.03	
York ...	29.57	32	N	1	5	29.48	.00	36	35	+ .6	NNW	1	c	*	39	30	-	
Nottingham ...	29.52	33	Z	0	5	29.49	-.01	35	35	+ .3	N	1	0	*	38	25	-	
Ardrossan ...	29.56	36	ENE	1	†	29.59	+ .10	29	28	- .7	NE	1	5	0	38	29	0.14	
Greencastle ...	29.54	37	NNE	2	5	29.61	+ .14	33	32	- .2	NNW	2	5	*	38	31	1.02	
Donaghadee ...	29.56	35	NNW	2	†	29.61	+ .11	36	35	+ .7	NNW	3	5c	2	38	29	0.15	
Kingstown ...	29.55	37	NNW	3	5	29.60	+ .11	34	33	+ .1	NNW	4	5c	4	39	31	-	
Holyhead ...	29.51	39	Z	0	5	29.53	+ .06	42	39	+ .7	NNE	4	c	3	43	35	0.03	
Liverpool (Bidston) ...	29.52	30	SSE	1	†	29.52	+ .03	33	33	- .4	N	1	f	1	38	30	-	
Valencia ...	29.57	39	NNE	2	5	29.71	+ .29	37	36	- .3	NE	3	5	3	48	35	0.04	
Roehe's Point ...	29.44	37	NNE	2	5c	29.65	+ .17	36	33	+ .3	N	4	5	3	42	32	-	
Pembroke ...	29.57	41	NE	1	5c	29.57	+ .03	41	39	+ .5	NNE	1	ofv	3	43	35	-	
Portishead ...																		
Seilly ...	29.48	47	NNE	4	c	29.50	+ .04	46	45	- .1	NE	6	0	5	48	46	-	
Plymouth ...	29.48	41	NE	2	0	29.45	-.02	40	37	0	NNW	4	0	*	47	40	-	
Hurst Castle ...	29.44	42	NNE	3	m	29.41	-.04	40	38	- .1	NNE	4	m	3	42	38	0.04	
Dover ...	29.44	45	NNE	3	0	29.38	-.05	43	43	+ .1	N	3	cdt	2	46	41	0.12	
London ...	29.50	41	N	1	or	29.45	-.02	36	35	- .4	N	1	ogt	*	42	36	0.29	
Oxford ...	29.57	39	WSW	1	f	29.46	-.02	35	34	- .3	N	1	0	*	41	34	-	
Cambridge ...	29.50	41	N	1	0	29.45	-.02	35	34	- .3	NN	1	5	*	41	34	-	
Yarmouth ...	29.48	43	NNW	1	†	29.40	-.06	44	44	+ .2	NNE	3	tg	3	44	41	0.19	
The Helder ...	*	*	*	*	*	29.36	-.02	46	44	0	NNE	2	†	*			0.32	
Cape Gris Nez ...	29.42	48	ENE	1	m	29.35	-.08	48	48	+ .3	NNE	3	†	3	48	43	0.47	
Jersey ...	29.41	48	NE	2	f	29.32	-.08	42	42	- .6	NNE	6	†m	5	51	42	0.91	
Brest ...	29.42	50	NE	3	†	29.39	-.05	43	41	- .3	NE	4	0	3	50	39	0.32	
L'Orient ...	29.39	52	E	3	m	29.31	-.12	46	?	- .2	NE	5	0	3	54	45	0.12	
Rochefort ...	?	57	S	3	0	29.38	-.10	52	50	- .2	SSE	3	0	3	57	48	0.16	
Biarritz ...	29.44	61	SSE	5	5c	29.38	-.06	59	54	- .4	S	4	c	3	68	57	-	
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*	29.39	-.06	52	50	- .2	S	4	c	*	55	57	0.28	
Charleville ...	*	*	*	*	*	29.50	+ .03	57	*	+ .1	E	1	†	*	*	*	*	
Paris ...	29.53	52	NNW	2	†	29.48	-.10	57	49	0	NNW	2	5c	*	*	*	0.35	
Lyons ...	*	*	*	*	*	?	?	63	*	+ .3	S	?	0	*	*	*	*	
Toulon ...	29.85	55	E	7	†	29.73	-.11	55	55	+ .1	E	7	†	7	55	52	0.20	

YESTERDAY'S 2 P.M. REPORTS AND REMARKS.															
Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.				
Skudesnaes ...	29.37	36	33	NNW	2	5	2	Valencia ...	29.48	47	44	NNE	1	5c	2
Thurso ...	29.60	40	39	Z	0	5c	3	Seilly ...	29.49	48	46	NNE	4	c	3
Scarborough ...	29.48	41	40	WSW	2	c	1	London ...	29.48	42	40	N	1	5cd	*
Mullaghmore ...	29.54	37	36	SSW	1	5c	1	Rochefort ...	29.43	55	54	SSE	3	0	3
Holyhead ...	29.57	39	38	NNW	3	0	2								

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.	
Skudesnaes ...	29.37	36	33	NNW	2	5	Valencia	29.48	47	44	NNE	1	5c	2
Thurso	29.60	40	39	Z	0	5c	Seilly	29.49	48	46	NNE	4	c	3
Scarborough ...	29.48	41	40	WSW	2	c	London	29.48	42	40	N	1	5c	3
Mullaghmore ...	29.54	37	36	SSW	1	5c	Rochefort ...	29.43	55	54	SSE	3	0	3
Holyhead	29.57	39	38	NNW	3	0								

No important change.

Mullaghmore	29.59	39	NNE	5	c	29.66	+ .19	37	36	+ .8	NNE	5	cgr	3	40	29	0.01
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EXPLANATION OF COLUMNS

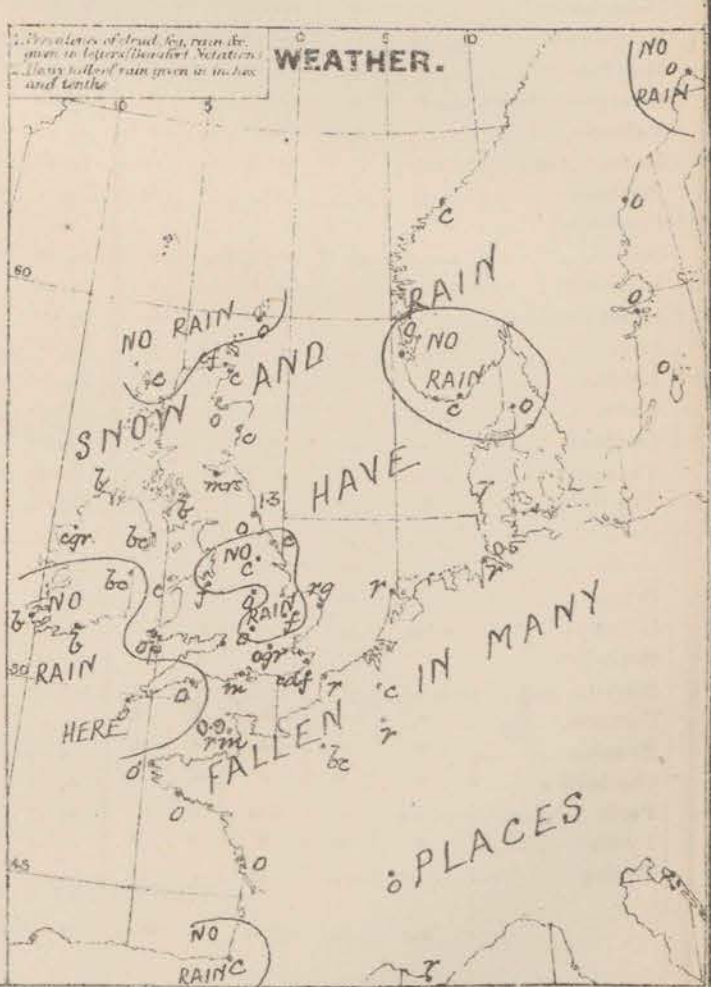
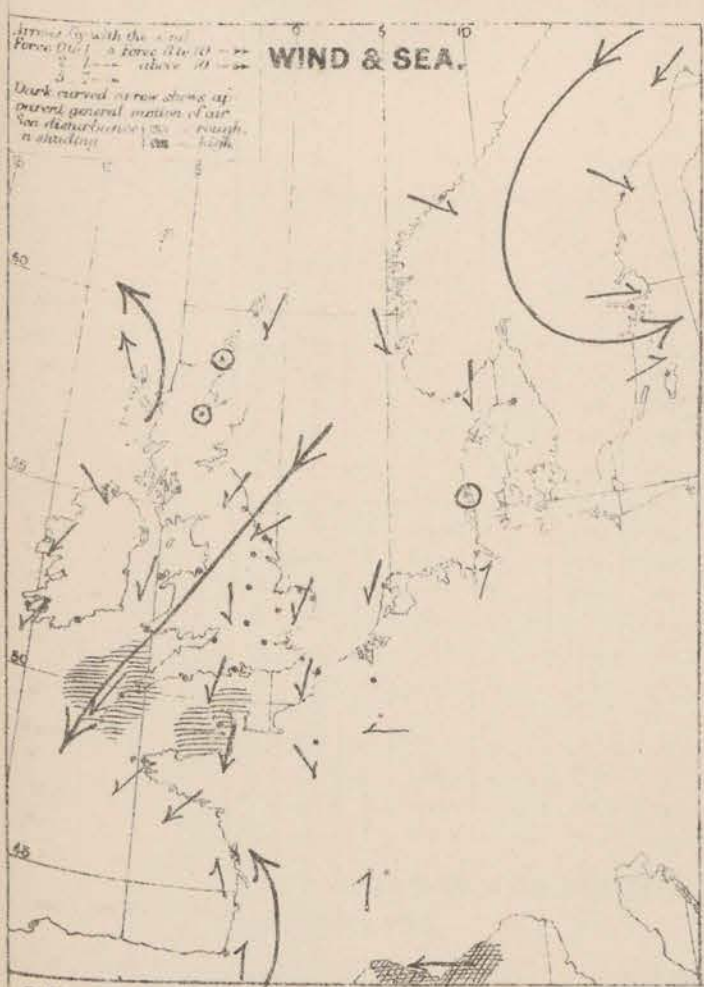
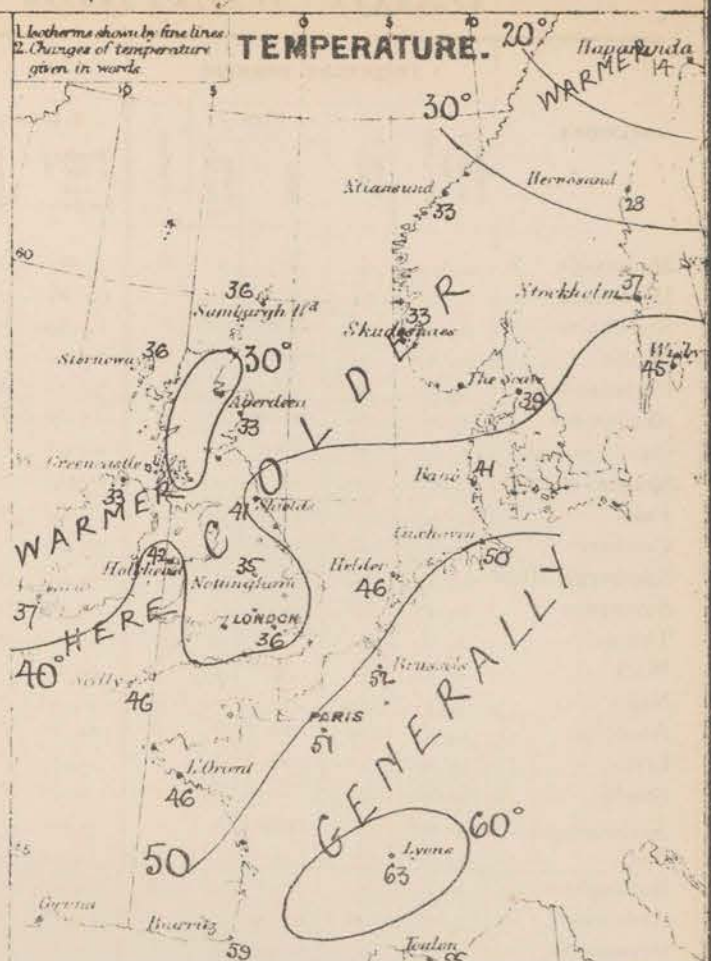
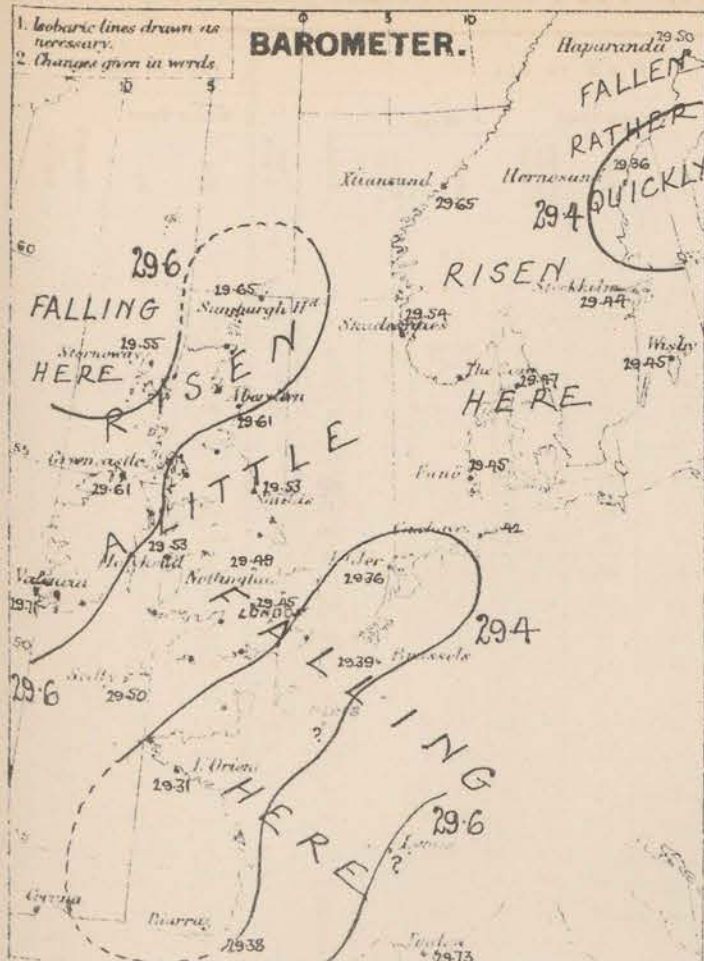
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility; w. dew; x. unusual transparency.

* 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 27th Nov^r 1876.



REMARKS. Weather over the United Kingdom is in a very unsettled condition. In Ireland the sky is clear at present, but over Great Britain it is cloudy or overcast, with fog in many places, and rain over the SE counties as well as in the N. of France. Sun and rain have fallen in many places; at Newcastle the amount measured this morning exceeds six inches, and at Shields it amounts to six inches and a quarter. In London few particles fell about 4 am, but since then the temperature has risen in Ireland, fallen over Great Britain, France and the North Sea. It is now about 36° over the island parts of England, 27° at Harwich and 14° at Haparanda. Wind is light to moderate from N. or NE over the greater part of our islands and coasts in the N. of Scotland, but at Larnough it has shifted to SE and blows fresh. Sea is moderate or slight in most places, rather rough at Scilly and Jersey.

Barometrical Indications. A band of low pressure (much narrower than that noticed yesterday) still lies over the Bay of Biscay, and N. of France. At the French stations the mercury has fallen, while in our islands it has risen; but a new fall has set in over the Hebrides in the night, and is spreading to other parts of our coasts. A new depression appears to be approaching Scotland from the NW.

DAILY WEATHER REPORT

NOV. 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.	Barometer. Reading at 32° F. and Sea Level.	SHADE TEMP.		WIND.	Weather.	Sea. (0 to 5).	SHADE TEMP.		Amount of Rainfall.					
			Dir.	Force. (0 to 12).			Dry.	Wet.				Dir.	Force. (0 to 12).						
Haparanda ...	29.50	10	N	4	6	29.79	+ 29	0	- 2	- 14	N	2	6	*	16	- 2	0.08		
Hernösand ...	29.60	16	NNW	2	6	29.89	+ 53	14	13	- 14	N	2	6	*	*	*	-		
Stockholm ...	29.57	32	N	4	0	29.68	+ 24	28	25	- 9	N	4	6	*	*	*	-		
Wiesby ...	29.49	41	E	4	7	29.51	+ 06	36	36	- 9	ENE	6	7	*	*	*	0.39		
Christiansund ...	29.70	33	N	1	60	29.91	+ 40	31	31	- 2	SSE	2	6	3	34	?	0.20		
Skudesnaes ...	29.66	32	NNW	4	6	29.78	+ 24	30	27	- 3	NNW	2	6	2	34	?	-		
Oxö (Xtiansand) ...	29.61	32	N	4	0	29.72	+ 26	32	30	0	NNE	6	6	3	32	28	-		
Skagen (The Seaw) ...	29.57	37	NE	6	0	29.65	+ 18	33	31	- 6	NE	7	0	7	39	30	-		
Fanö ...	29.46	37	NE	4	0	29.41	- 04	36	36	- 5	NE	6	7	*	41	36	0.51		
Cuxhaven ...	29.38	52	SW	1	7	29.27	- 15	49	49	- 1	SW	4	6	*	52	43	0.36		
Sumburgh Head ...	29.50	37	NNE	2	60	29.96	+ 31	35	32	- 1	NNE	2	6	2	40	33	0.01		
Stornoway ...	29.75	34	ENE	2	6	29.94	+ 39	33	31	- 3	N	2	6	2	38	29	-		
Thurso ...	29.81	37	E	1	0	29.98	+ 33	28	28	- 2	SSE	1	6	3	41	27	-		
Wick ...	29.83	39	NE	3	0	29.97	+ 23	30	29	0	NN	1	6	0	40	28	-		
Nairn ...	29.78	30	SW	1	60	29.98	+ 35	32	30	+ 5	L	0	6	2	37	27	-		
Aberdeen ...	29.71	42	NE	3	6	29.92	+ 31	36	33	+ 3	NNW	2	6	2	43	33	0.03		
Leith ...	29.72	41	NE	4	7	29.89	+ 32	39	37	+ 5	NE	4	6	*	43	33	0.16		
Shields ...	29.56	43	E	6	6	29.81	+ 28	44	39	+ 3	E	6	6	6	44	39	0.12		
Scarborough ...	29.50	42	ENE	4	7	29.73	+ 27	43	38	- 1	ENE	8	6	6	44	38	0.07		
York ...	29.47	39	NN	1	0	29.74	+ 26	41	36	+ 5	N	2	6	*	42	34	0.32		
Nottingham ...	29.47	37	N	2	7	29.65	+ 16	39	36	+ 4	N	5	0	*	39	34	0.21		
Ardrossan ...	29.64	36	ENE	3	0	29.92	+ 33	36	32	+ 7	N	2	60	1	38	27	0.01		
Greencastle ...	29.65	35	ENE	2	6	29.96	+ 35	38	34	+ 5	NE	2	6	*	41	31	0.32		
Donaghadee ...	29.63	39	ENE	5	0	29.93	+ 32	41	38	+ 5	NE	6	6	4	42	35	0.03		
Kingstown ...	29.60	34	NN	4	6	29.83	+ 33	44	39	+ 10	NE	7	6	6	44	32	0.19		
Holyhead ...	29.51	43	NNE	5	6	29.77	+ 24	42	39	0	NE	6	6	5	44	39	0.17		
Liverpool (Biston) ...	29.50	37	NNE	1	0	29.65	+ 13	38	35	+ 5	NNE	2	6	1	39	33	0.04		
Valencia ...	29.68	38	NNE	2	0	29.87	+ 16	39	37	+ 2	NE	6	6	5	44	32	0.14		
Roche's Point ...	29.63	36	N	5	6	29.78	+ 13	38	35	+ 2	NNE	5	6	4	40	30	0.03		
Pembroke ...	29.51	38	N	3	0	29.67	+ 16	39	37	- 2	NNE	4	6	3	43	36	0.25		
Portishead ...																			
Scilly ...	29.51	45	N	7	0	29.58	+ 08	43	42	- 3	NNE	6	6	5	47	38	0.10		
Plymouth ...	29.45	39	NN	4	0	29.55	+ 10	38	37	- 2	N	2	6	*	45	37	0.01		
Hurst Castle ...	29.36	39	NNE	4	7	29.45	+ 04	43	42	+ 3	NNE	5	6	3	43	35	0.19		
Dover ...	29.23	46	N	3	0	29.39	+ 01	46	45	+ 3	NNE	6	6	4	48	40	0.11		
London ...	29.35	42	N	4	0	29.50	+ 05	41	40	+ 5	NE	6	6	*	42	36	0.78		
Oxford ...	29.40	36	NNE	1	7	29.55	+ 09	40	38	+ 5	NNE	5	6	*	40	35	0.42		
Cambridge ...	29.35	39	NNE	1	7	29.55	+ 10	40	40	+ 5	N	3	6	*	42	35	0.91		
Yarmouth ...	29.32	44	NE	6	7	29.50	+ 10	43	42	- 1	NE	8	6	6	45	41	0.62		
The Helder ...						29.37	+ 01	44	44	- 2	NNE	3	6	*			0.87		
Cape Gris Nez ...	29.25	45	L	0	m	29.40	+ 05	46	46	- 2	WST	2	6	2	50	43	0.20		
Jersey ...	29.36	41	NNE	3	0	29.47	+ 15	42	42	0	NNW	2	6	2	44	40	0.30		
Brest ...	29.43	46	NE	4	0	29.58	+ 19	41	39	- 2	N	4	6	3	45	36	0.08		
L'Orient ...	29.37	43	NNE	4	0	29.56	+ 25	41	?	- 5	NN	3	6	3	46	37	0.04		
Rocheport ...	29.35	57	SW	4	60	29.64	+ 16	45	45	- 4	NN	5	6	4	59	46	0.35		
Biarritz ...	29.41	59	SW	5	0	29.63	+ 25	50	46	- 9	WST	5	6	4	63	45	0.20		
Corunna ...																			
Brussels ...						29.43	+ 04	48	46	- 4	SW	4	6	*	58	47	0.75		
Charleville ...						29.48	- 02	44	*	- 7	SSE	1	6	*	*	*	*		
Paris ...	29.31	52	?	2	0	29.48	+ 00	46	45	- 5	SW	2	6	*	*	*	0.16		
Lyons ...						29.32	?	59	*	- 4	S	4	6	*	*	*	*		
Toulon ...	29.76	55	SW	4	60	29.73	+ 00	51	50	- 3	SW	4	6	5	57	50	0.16		

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

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.62	34	30	NNW	4	6	2	Valencia	29.68	42	37	NNE	3	c	3
Thurso	29.73	37	35	Z	0	0	3	Scilly	29.50	45	45	N	6	op	5
Scarborough ...	29.47	43	41	ENE	4	7	4	London	29.35	40	39	NNN	2	gft	*
Mullaghmore ...	29.65	37	35	N	4	6c	2	Rocheport ...	29.32	57	54	SSW	5	6c	3
Holyhead	29.52	42	39	NNE	5	6c	4								

Pressure is decreasing briskly in the SE. and increasing in the N. A depression lying off our SE. coast is growing deeper, and the wind at our E. stations is freshening. Warnings (N. cons.) issued to our E. and SE. coasts.

Mullaghmore	29.67	37	NNE	4	6	29.95	+ 29	40	37	+ 3	NE	4	6	3	41	31	0.05
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EXPLANATION OF COLUMNS.

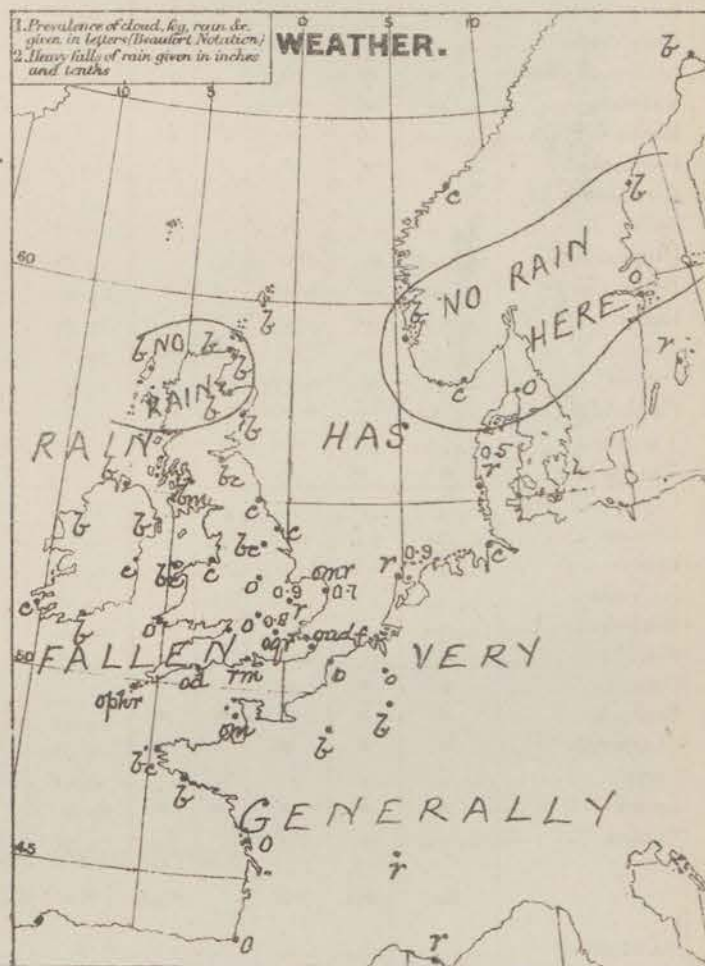
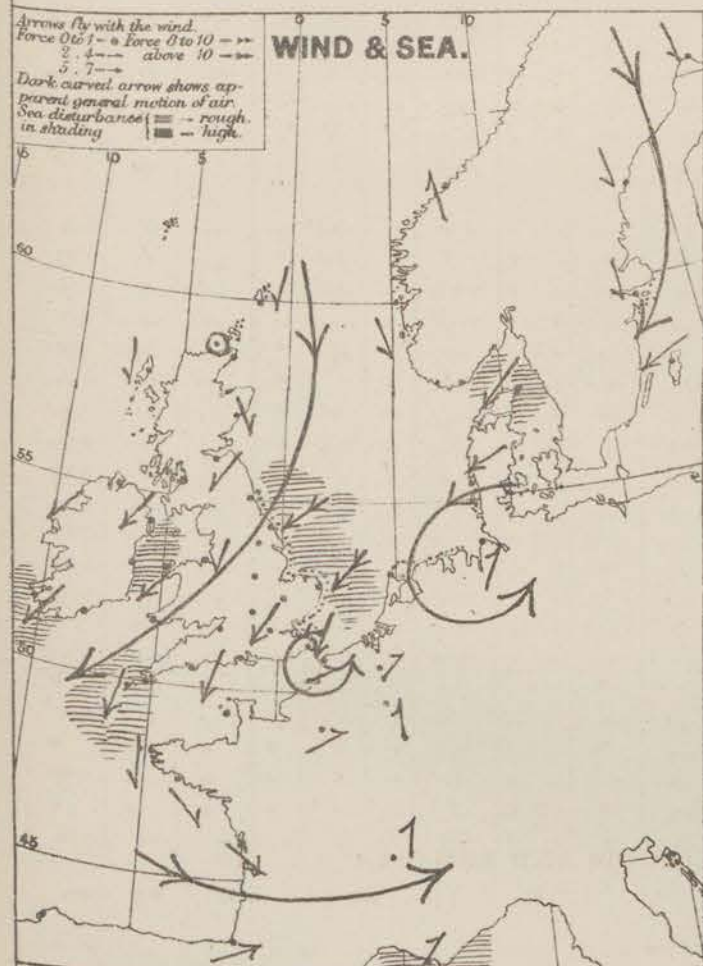
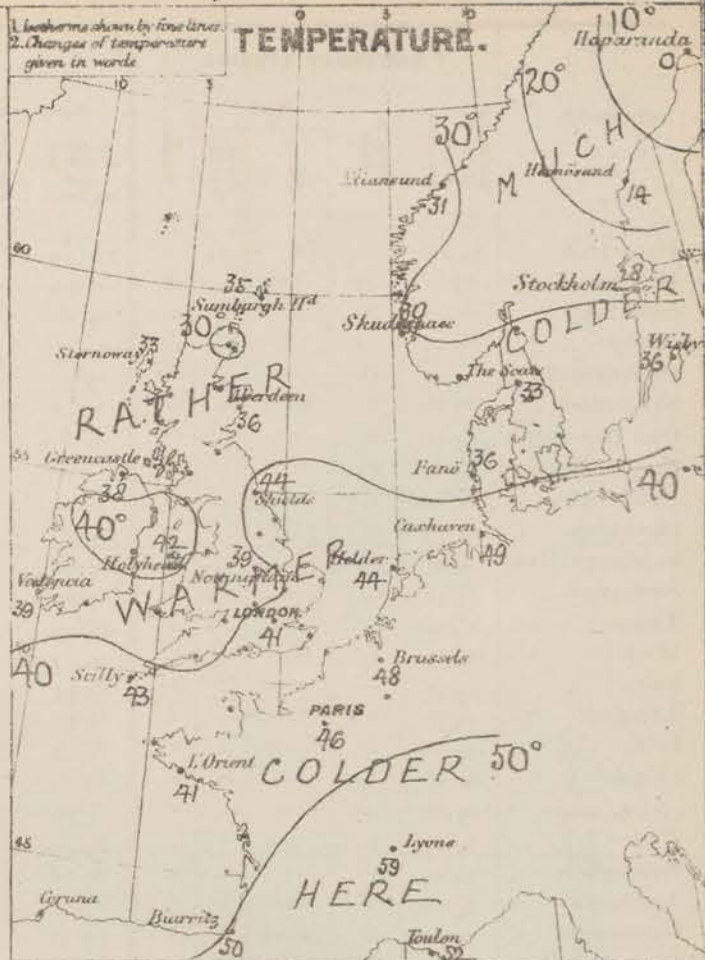
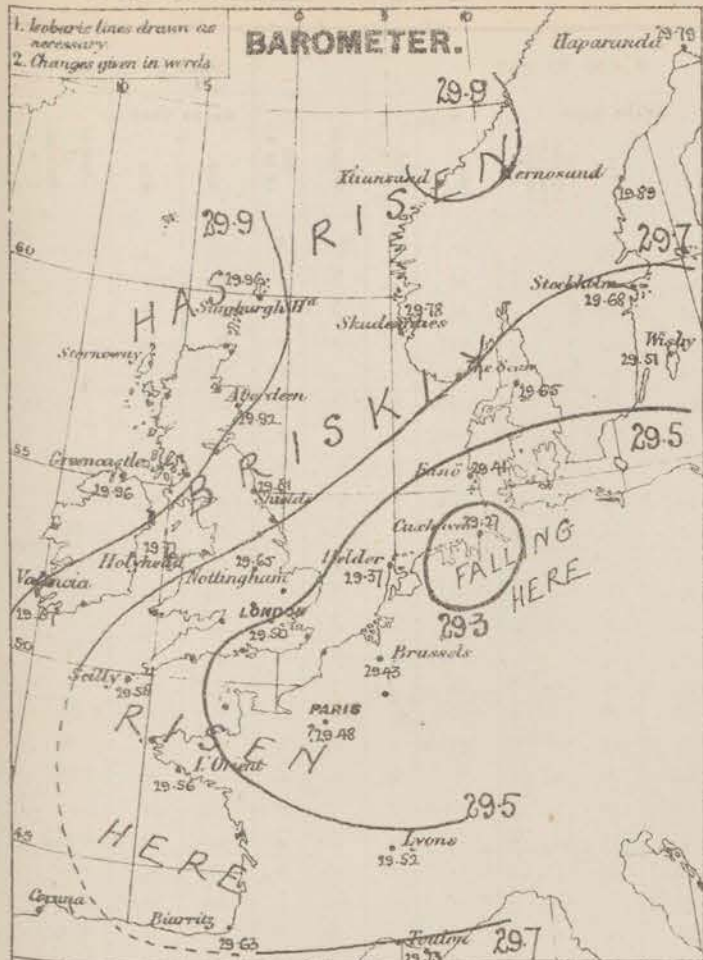
WEATHER.—Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; i. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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.

for 8 a.m. on Thursday 28. Nov^r 1876.



A dotted line is drawn round the coast where the crabs are now left.

REMARKS. Weather this morning is fine and bright in the N. of France, in Ireland, Scotland and the W. and N. of Scandinavia; overcast in the S. and SE. of England, with continuous rain. Rain has fallen since yesterday at all but our extreme N. stations the largest amount being at the SE. station. Cambridge and the Helder both report 0.9 in. London 0.8 in. and Yarmouth 0.6 in. Lightning occurred in the W. of Ireland last night. Temperature has risen a little over the greater part of the Kingdom. It is still low (28° to 30°) in the N. of Scotland, but rises from 39° to 41° over the island parts of England. In France it has fallen, altho it is now 48° at Paris. Winds is strong from NE. over Ireland and England, and blows a fresh gale along our E. coasts. In the Bay of Biscay it is moderate from NW, and at Paris light from SW. A stiff N. E. gale blew in London during the night. Sea is rough in the E. and NE. rather so in the W. moderate in the S.

Barometrical Indications. In the course of the past 24 hours the barometer has risen throughout our Islands, but fallen in N. Germany. The centre of a depression now lies off the mouth of the Elbe, and another (very small one) over the Straits of Dover. Rather steep gradients for NE. winds prevail over England, and the North Sea.

Warnings. Our E. and SE. coasts were warned yesterday.

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

R. H. SCOTT.
Secretary.

DAILY WEATHER REPORT

NOV 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 ...	29.96	-4	Z	0	b	29.97	+ .18	-3	-4	-3	Z	0	b	*	0	-9	-	
Hernösand ...	30.06	6	Z	0	b	30.14	+ .25	4	?	-10	Z	0	b	*	*	*	-	
Stockholm ...	29.85	30	NNE	6	b	30.02	+ .34	28	25	0	NNE	6	0	*	*	*	-	
Wibby ...	29.72	35	NE	8	f	29.84	+ .33	35	32	-1	E	6	0	*	*	*	0.39	
Christiansund ...	29.97	28	SE	4	b	30.01	+ .10	29	26	-2	ESE	3	b	3	?	21	-	
Skudesnaes ...	29.95	33	ENE	4	b	29.97	+ .19	32	25	+2	ENE	6	b	3	32	30	-	
Oxö (Kriessand) ...	29.89	29	N	6	b	29.90	+ .18	29	26	-3	NNE	6	0	4	32	27	-	
Skagen (The Seaw.) ...	29.79	31	NE	7	s	29.80	+ .15	31	30	-2	NE	7	s	7	36	27	0.04	
Fanö ...	29.62	32	N	6	0	29.58	+ .17	33	32	-3	NNE	6	0	*	37	32	0.12	
Cuxhaven ...	29.56	39	NNW	5	0	29.57	+ .30	48	48	-1	N	3	0	*	?	36	0.05	
Sumburgh Head ...	29.94	36	SE	1	c	29.86	- .10	39	38	+4	SE	3	f	3	43	33	0.16	
Stornoway ...	29.94	37	WSW	2	b	29.75	- .22	40	40	+7	NNW	2	b	2	40	33	0.17	
Thurso ...	29.98	36	Z	0	0	29.83	- .15	35	35	+7	SSE	2	0	2	37	27	0.03	
Wick ...	29.96	35	W	1	c	29.82	- .15	40	37	+10	S	1	b	0	40	27	0.01	
Nairn ...	30.02	31	SW	1	b	29.82	- .16	34	33	+2	Z	0	0	2	44	30	-	
Aberdeen ...	30.00	36	NNW	2	b	29.90	- .02	31	29	-5	SW	1	b	1	40	27	-	
Leith ...	30.03	36	NNW	2	b	29.89	00	32	34	-7	Z	0	0	*	44	28	-	
Shields ...	29.93	42	ENE	5	b	29.95	+ .14	31	30	-13	NNW	2	b	3	45	30	-	
Searborough ...	29.88	41	NE	5	b	29.94	+ .21	35	34	-8	N	1	c	3	44	35	-	
York ...	29.89	35	W	1	b	29.96	+ .22	32	31	-9	N	1	b	*	44	31	0.01	
Nottingham ...	29.87	36	NNE	3	b	29.98	+ .33	32	31	-7	NNE	1	W	*	43	30	-	
Ardrossan ...	30.03	35	N	1	b	29.87	- .05	42	40	+6	WSW	3	f	3	44	30	0.07	
Greencastle ...	30.02	34	N	2	b	29.86	- .10	39	38	+1	S	1	f	*	43	30	0.16	
Donaghadee ...	30.06	40	NE	4	b	29.95	+ .02	35	35	-6	SW	3	f	2	43	33	0.12	
Kingstown ...	30.03	44	NE	5	b	29.96	+ .23	37	35	-7	W	4	f	3	44	34	0.01	
Holyhead ...	29.95	43	NE	5	b	30.00	+ .23	42	39	0	NNW	4	c	3	45	41	-	
Liverpool (Hdston) ...	29.94	36	NNE	2	b	29.99	+ .34	35	34	-3	NNW	1	b	1	43	33	-	
Valencia ...	30.09	39	NNE	4	b	30.16	+ .29	41	39	+2	N	1	f	1	43	33	0.01	
Roche's Point ...	30.02	35	NNE	5	b	30.12	+ .34	37	34	-1	NNW	2	c	3	41	33	-	
Pembroke ...	29.88	41	NNE	4	b	30.05	+ .37	37	35	-2	NE	1	0 hp	1	42	35	0.04	
Portishead ...																		
Seilly ...	29.77	41	ENE	10	f	30.07	+ .49	45	40	+5	NE	6	c	6	45	39	0.83	
Plymouth ...	29.76	38	N	3	0	30.02	+ .47	32	31	-6	Z	0	b	*	41	31	0.06	
Hurst Castle ...	29.65	42	NE	5	f	29.91	+ .46	32	32	-10	N	2	b	2	43	31	0.10	
Dover ...	29.61	43	NE	7	0	29.80	+ .41	38	36	-8	NNE	5	b	3	47	38	0.64	
London ...	29.73	41	NNE	5	0	29.90	+ .40	34	32	-7	NNE	2	b	*	43	34	0.19	
Oxford ...	29.75	39	N	3	0	29.95	+ .40	31	30	-9	S	2	b	*	42	31	-	
Cambridge ...	29.74	40	N	3	0	29.93	+ .38	36	36	-4	NNW	1	b	*	43	31	0.03	
Yarmouth ...	29.69	41	NE	8	f	29.83	+ .33	39	37	-4	NNW	4	b	5	43	38	0.12	
The Helder ...	*	*	*	*	*	29.71	+ .34	39	38	-5	N	3	0	*	*	*	0.47	
Cape Gris Nez ...	29.57	45	NE	7	0	29.79	+ .39	41	39	-5	N	6	c	5	48	39	0.12	
Jersey ...																		
Brest ...	29.70	48	N	1	b	29.98	+ .40	41	37	0	NNE	4	f	3	?	37	0.04	
L'Orient ...	29.69	43	NNW	3	b	29.92	+ .36	43	?	+2	N	4	0	3	48	37	-	
Rochefort ...	29.69	42	NNW	3	b	29.82	+ .28	48	46	0	NNW	5	0	3	55	44	-	
Biarritz ...	29.67	44	ENE	1	b	29.87	+ .24	45	43	-5	SW	4	f	4	59	39	0.59	
Corunna ...	*	*	*	*	*										*	*	*	
Brussels ...	*	*	*	*	*										*	*	*	
Charleville ...	*	*	*	*	*	29.58	+ .10	38	*	-6	ENE	1	f	*	*	*	*	
Paris ...	29.52	48	S	2	0	29.76	+ .28	41	39	-8	W	1	c	*	*	*	0.28	
Lyons ...	*	*	*	*	*	29.81	+ .29	50	*	-9	SW	4	0	*	*	*	*	
Toulon ...	29.76	50	W	3	b	29.75	+ .02	48	46	-4	W	2	0	5	54	46	0.16	

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

	Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.		
Skudesnaes ...	29.88	32	27	N	4	b	2	Valencia	29.98	42	38	NNE	4	b	5
Thurso	30.01	36	36	SSE	1	c	2	Scilly	29.66	40	40	ENE	9	f	6
Searborough ...	29.81	43	38	NE	7	c	6	London	29.62	43	41	NNE	5	cd	*
Donaghadee ...	30.08	42	38	NNE	4	b	3	Rochefort ...	29.62	50	45	NNW	4	b	3
Holyhead	29.87	44	40	NE	6	b	5								

The barometer has risen at all our stations since this morning, but at Valencia this rise has almost ceased since noon. The wind has increased to a strong gale from ENE. at Seilly, but the gale on our E. coasts has lulled somewhat.

Mullaghmore	30.09	38	34	W	1	b	2	29.95	00	45	45	+5	NNW	5	f	4	46	32	0.98
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EXPLANATION OF COLUMNS

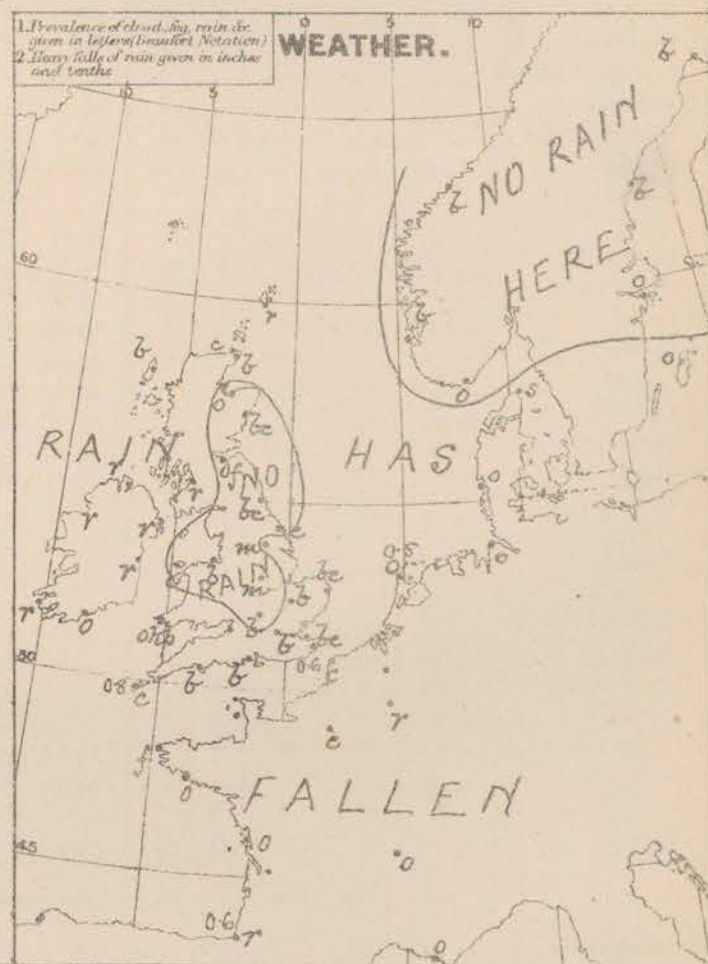
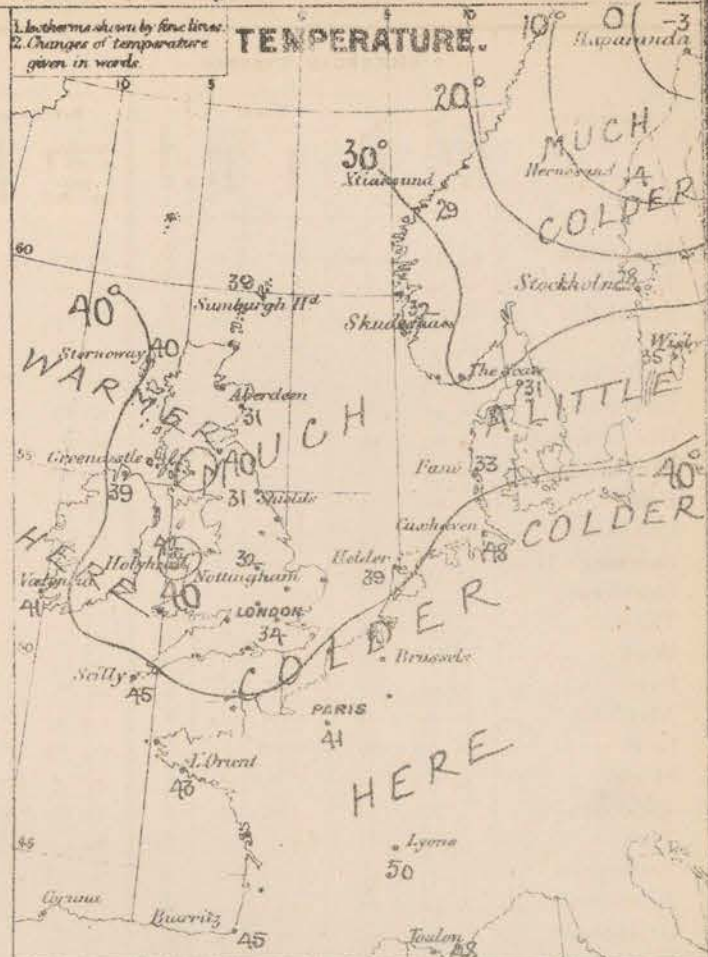
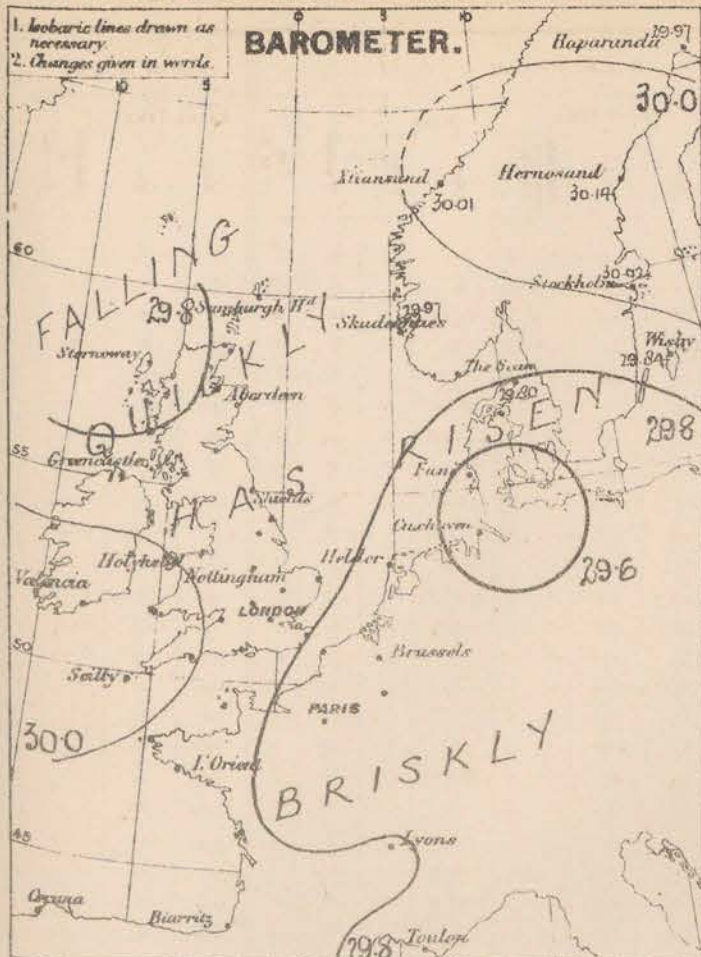
WEATHER.—Beaufort scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. equally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

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

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

WEATHER CHARTS for 8 a.m. on *Fri-day Nov^r 29th 1876*



A dotted line is drawn round the oval when the N. line is not finished.

REMARKS. Weather has become clear over our S and SE coasts during the night, and remains fine in the E and N. of Scotland, but rain has again set in almost all over Ireland and the SW of Scotland, and hail showers are reported at Pembroke. Heavy fall yesterday at all the S and SE stations, the largest amounts reported being 0.8 in. at Seilly, 0.6 in. at Dover, and 0.5 in. at the Orkneys. Wind at the S and SE stations, temperatures very unsettled. Over England, it has fallen quickly as much as 13° at Shields and 10° at Mount Castle, but in the N and NW of our Islands it has risen several degrees apparently very temporarily. Wind is strong from NE in Denmark and the S. of Norway, light from the N. on our SE coasts, moderate from N. and NW in the Bay of Biscay, light from N. and SW in the E. and S. of France. In the N. and W. of our Islands are altogether distinct circulations of winds, in contrast to W. wind being felt at present in Ireland and the Irish Sea, and light SW to SSE winds in the E. and NE of Scotland. Sea is high at the Downs, rough at Seilly, rather rough off our SE coasts, slight generally elsewhere.

Barometrical indications. The barometer is very unsettled over W. Europe. High readings (about 30.15 in.) are reported both in the S. of Ireland and over the Gulf of Bothnia. A depression still lies over N. Germany, and some secondary disturbances over France and Prussia. A new depression is, however, advancing over Scotland from NW, so that gradients for N. winds are likely to become steep over the United Kingdom in its rear.

Warnings. The N. Lion is still flying in the E. and has been noticed in the N. and NW this morning.

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25 per quarter, book post 50 per quarter.

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

R. H. SCOTT.

Secretary

DAILY WEATHER REPORT

Nov^R 30TH

1878.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PART 24 HOURS.		
	Barometer at 320 F. and Sea Level.	Temp. in shade.	WIND.		Weather.	Reading at 320 F. and Sea Level.	BAROMETER.		SHADE TEMP.		WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
			Dirco.	Force. (0 to 12).			Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirco.	Force. (0 to 12).			Max.	Min.			
Haparanda ...	29.91	25	Z	0	δ	29.96	- .01	22	21	+ 25	Z	0	δ	*	25	- 3	-		
Hernösand ...	30.21	7	Z	0	δ	30.15	+ .01	4	4	0	Z	0	δ	*	*	*	-		
Stockholm ...	29.92	32	N	6	0	29.74	- .28	30	30	+ 2	N	6	S	*	*	*	0.08		
Wisby ...	29.78	35	E	8	5	29.58	- .26	33	33	- 2	NE	4	f	*	*	*	0.35		
Christiansund ...	?	26	ESE	2	δ	29.95	- .06	24	23	- 5	ESE	1	δ	3	30	19	-		
Skudesnaes ...	29.95	31	ENE	4	δ	29.90	- .07	30	28	- 2	E	2	δ	2	32	30	-		
Oxö (Xtiansand) ...	29.88	29	N	6	0	29.89	- .01	29	27	0	NNE	4	0	3	30	25	-		
Skagen (The Sæw) ...	29.81	31	NE	8	5	29.79	- .01	32	31	+ 1	NE	6	0	6	32	27	0.08		
Fanö ...	29.58	35	NNE	4	0	29.66	+ .08	35	35	+ 2	NE	5	0	*	36	32	0.48		
Cuxhaven ...	29.58	41	SH	1	0	29.61	+ .04	41	41	- 7	SH	1	0	*	?	36	0.02		
Sumburgh Head ...	29.95	39	SSE	1	δc	29.90	+ .04	35	32	- 4	Y	0	δ	0	41	32	-		
Stornoway ...	29.80	39	N	2	δ	29.83	+ .08	35	35	- 5	Z	0	δ	0	42	32	-		
Thurso ...	29.92	33	SSE	1	δ	29.89	+ .06	30	30	- 5	SSE	2	δ	2	39	26	-		
Wick ...	29.94	40	NN	1	δ	29.87	+ .05	37	36	+ 3	SSH	1	0	0	43	32	-		
Nairn ...	29.91	34	Z	0	0	29.89	+ .07	32	31	- 2	Y	0	δ	1	36	32	-		
Aberdeen ...	29.91	37	SH	1	δ	29.92	+ .02	35	34	+ 4	SSH	1	0	1	38	31	0.14		
Leith ...	29.82	36	SE	1	0	29.93	+ .01	35	35	+ 3	Y	1	0	*	38	31	0.02		
Shields ...	29.91	39	Z	0	f	29.98	+ .03	33	33	+ 2	Z	0	f	1	39	31	-		
Scarborough ...	29.92	37	NN	1	δ	29.98	+ .04	33	32	- 2	Y	1	δ	2	39	33	0.01		
York ...	29.93	36	NN	1	0	30.00	+ .04	34	33	+ 2	NE	1	0	*	37	30	-		
Nottingham ...	29.94	34	NNE	1	δc	30.01	+ .03	33	32	+ 1	NNE	1	δ	*	38	30	-		
Ardrossan ...	29.87	36	ENE	2	0	29.96	+ .09	36	35	- 6	NE	1	of	1	43	35	0.13		
Greencastle ...	29.84	44	NN	2	0	29.94	+ .08	39	39	0	SE	1	0	*	46	37	0.18		
Donaghadee ...	29.87	40	Y	3	†	29.99	+ .04	39	38	+ 4	Y	3	δc	2	43	35	0.05		
Kingstown ...	29.88	42	Y	4	δc	30.01	- .05	39	37	+ 2	Y	4	δc	3	42	36	0.10		
Holyhead ...	29.84	44	SSH	1	†	29.96	- .04	40	39	- 2	E	2	δ	2	45	40	0.31		
Liverpool (Midstn) ...	29.89	37	SE	2	†	29.99	00	35	35	0	ESE	1	m	1	40	33	0.02		
Valencia ...	30.09	48	NN	4	0	30.08	- .08	48	47	+ 7	NN	2	og	2	49	39	0.31		
Roche's Point... ..	30.00	40	NN	4	†	30.06	- .06	43	41	+ 6	NN	1	0	2	45	35	0.22		
Pembroke ...	29.90	45	Y	4	†	29.97	- .08	43	43	+ 6	N	1	0	2	46	37	0.12		
Portishead ...																			
Seilly ...	30.03	46	NNN	6	†	30.01	- .06	48	47	+ 3	NNN	6	0	6	48	42	0.25		
Plymouth ...	30.02	40	NN	1	0	29.96	- .06	40	40	+ 8	N	3	0	*	44	32	0.23		
Hurst Castle ...	29.97	37	NNN	2	δc	29.94	+ .03	42	41	+ 9	E	4	og	4	42	31	0.09		
Dover ...	29.91	36	NN	3	δ	30.00	+ .20	33	32	- 5	N	1	δc	0	40	32	-		
London ...	29.99	38	N	2	δm	29.99	+ .09	33	32	- 1	SE	1	of	*	40	28	-		
Oxford ...	29.97	34	NN	1	f	30.00	+ .05	32	31	+ 1	Y	0	f	*	40	31	-		
Cambridge ...	29.95	31	N	1	δ	30.00	+ .07	25	20	- 11	NN	1	δc	*	41	20	-		
Yarmouth ...	29.89	37	NN	3	c	29.96	+ .13	34	33	- 5	NNN	2	δc	†	40	31	-		
The Helder ...	*	*	*	*	*	29.81	+ .10	42	40	+ 3	NNN	4	0	*	*	*	0.24		
Cape Gris Nez ...	29.91	39	N	4	δ	29.99	+ .20	37	36	- 4	N	1	δc	0	43	37	-		
Jersey ...																			
Brest ...	30.10	45	N	3	δ	30.02	+ .04	46	45	+ 5	N	4	0	3	?	37	0.12		
L'Orient ...	30.11	41	NNN	3	δ	29.99	+ .07	45	?	+ 2	NN	3	δ	3	46	39	0.08		
Rochefort ...	30.02	50	NN	4	†	30.06	+ .24	41	39	- 7	S	4	0	3	52	36	0.08		
Biarritz ...	30.05	52	SSH	5	†	30.17	+ .30	43	39	- 2	SSE	3	†	4	52	37	0.75		
Corunna ...	*	*	*	*	*										*	*	*		
Brussels ...	*	*	*	*	*	29.95	+ .24	36	34	- 2	Y	4	0	*	41	34	0.04		
Charleville ...	*	*	*	*	*	29.92	+ .34	33	*	- 5	Y	1	0	*	*	*	*		
Paris ...	29.96	41	Y	1	0	30.06	+ .30	35	35	- 6	Y	1	f	*	*	*	-		
Lyons ...	*	*	*	*	*	30.06	+ .25	49	*	- 1	N	4	m	*	*	*	*		
Toulon ...	29.88	45	NN	5	δc	29.94	+ .19	41	39	- 7	NN	5	δ	5	48	?	0.16		

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

	Bar.	Dry.	Wes.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.90	31	27	NE	4	δ	3	Valencia	30.09	46	45	NNN	5	tg	4
Thurso	29.87	38	37	SSE	2	δ	2	Seilly	30.08	46	42	NN	5	0	5
Scarborough ...	29.91	38	37	NNN	1	†	3	London	29.94	39	35	N	3	δc	*
Mullaghmore ...	29.91	46	45	NNN	5	cp	4	Rochefort ...	29.90	46	43	N	5	0	3
Holyhead	29.89	41	41	SSH	2	d	2								

Pressure is increasing at Thurso but decreasing elsewhere - rather briskly in Ireland. Wind is light except over Ireland and at Seilly, where the NN^W wind blows freely.

Mullaghmore	29.93	46	NN	5	δc	29.97	+ .02	44	44	- 1	N	5	†m	3	47	42	0.14
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EXPLANATION OF COLUMNS

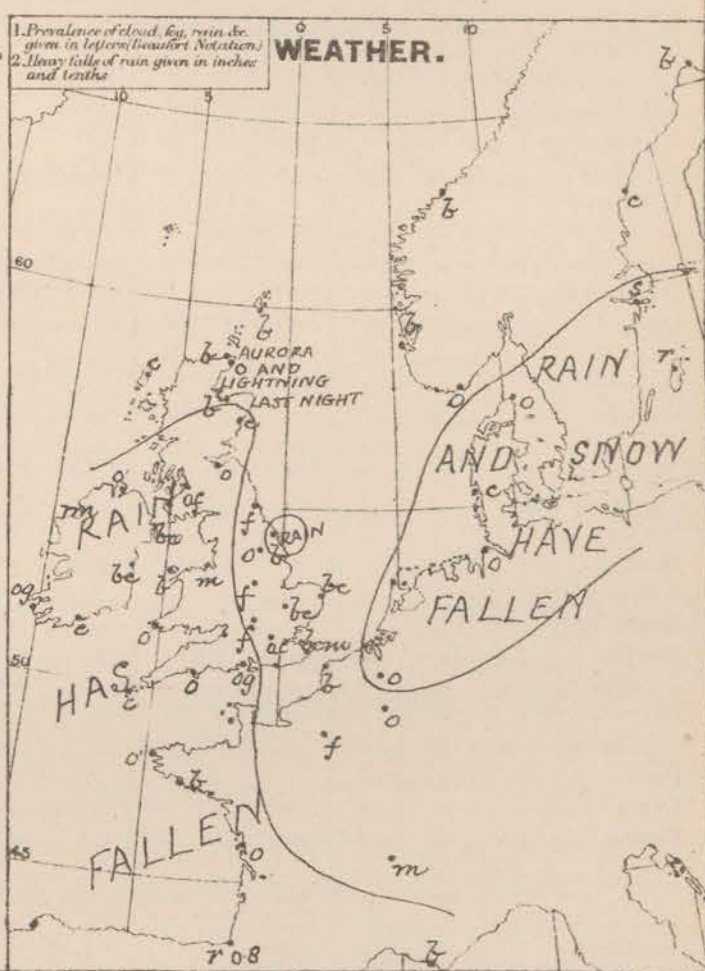
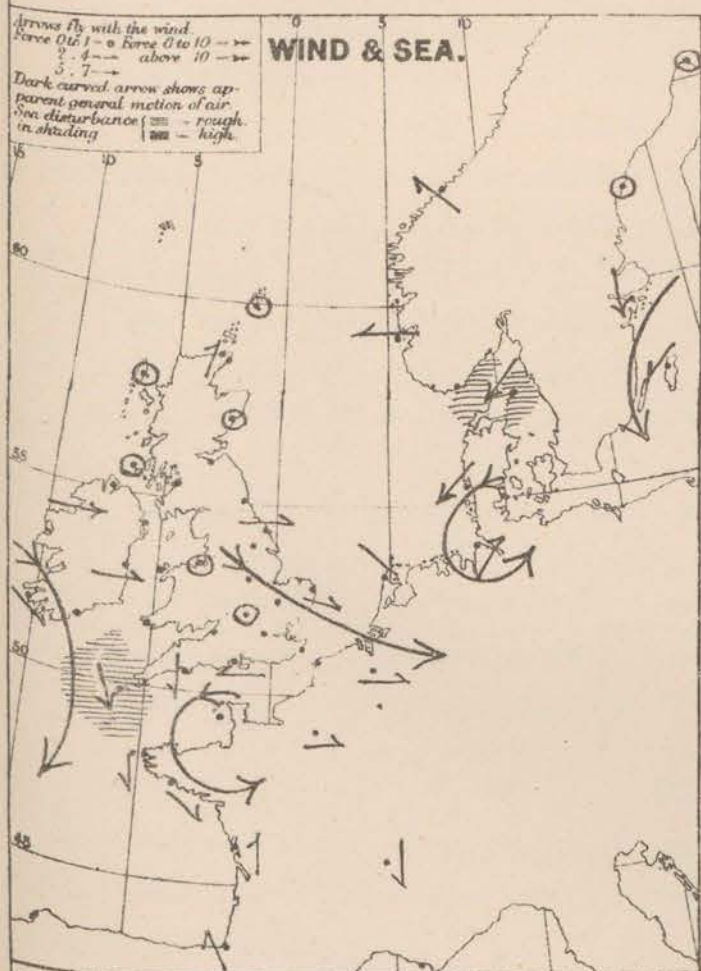
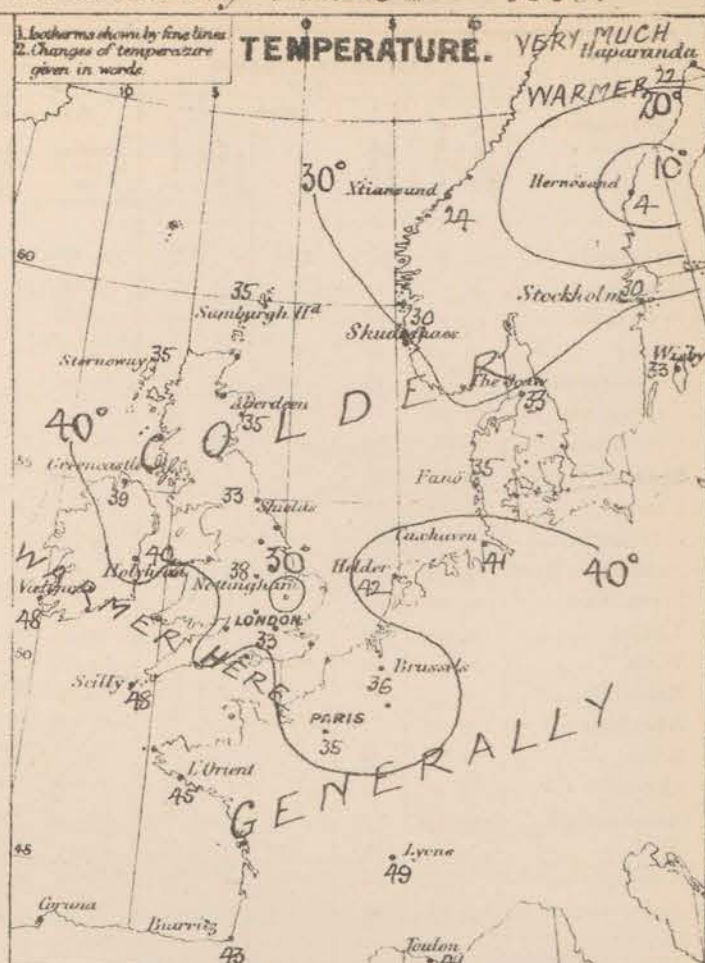
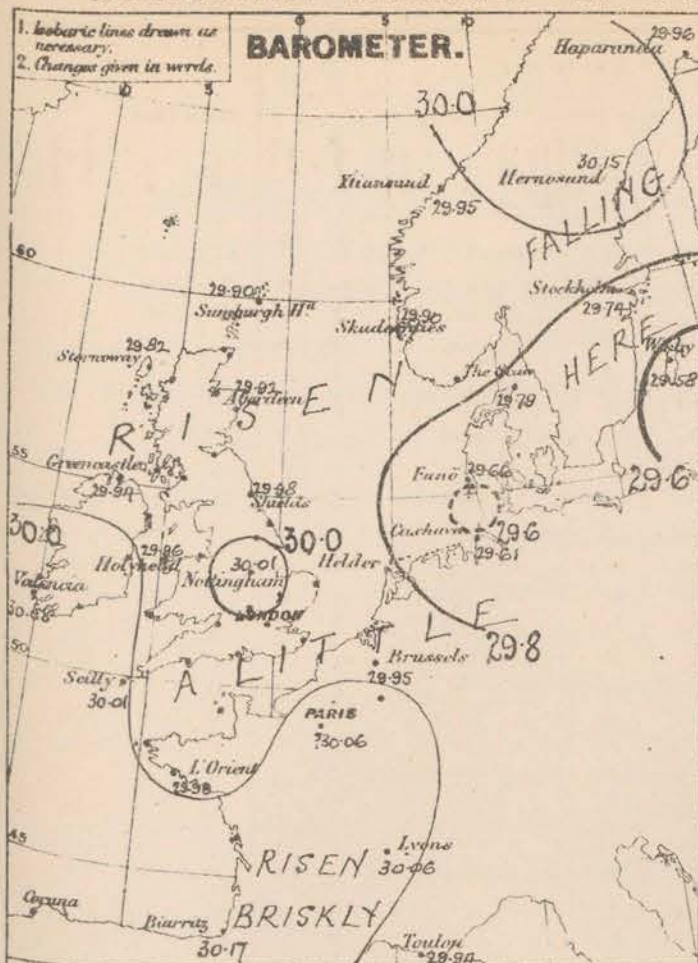
WEATHER.--Beaufort Scale is, b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* 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 Nov. 30th* 1870.



REMARKS. Weather is still fine in the N. and at some of our NWth and Eth stations; cloudy and dull elsewhere, with fog in several places, rain at Rosiny. Rain fell on all our W and SW coasts yesterday, and also in the W of France, even in Denmark. The largest amount reported in our Islands are 0.5 in. at Holyhead and Valencia. Aurora and lightning were seen at Wick last night. Temperature has risen in Iceland and on the S. coast of England, fallen generally elsewhere. It began to fall very fast in the SE. of England last night, and went down to 28° in London and 25° at Cambridge. In London the readings at 10 p.m. were 29° in the shade, and 17° in the grass but by 9 a.m. to day the shade temperature had risen to 33°, and the grass to 50°. Wind varies greatly. A moderate W. to NW breeze is reported at our W stations, calms and variable airs over Great Britain, but E. to N. breezes are reported on the E. shores of the North Sea, and blow fresh at the Danish stations. Sea is moderate to smooth except at Scilly and the Land.

Barometrical Indications. The barometer has risen during the past 24 hrs. in almost all parts of our Islands. The depression noticed in the NW yesterday passed down the Irish Sea, but was so much filled up in transit that it is scarcely to be felt this morning in its position near Jersey. The distribution of pressure is still very complex.

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

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

R. H. SCOTT.
Secret

Secretary

SUMMARY OF WEATHER IN WESTERN EUROPE

from NOV^r 24th to NOV^r 30th 1878.

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

The weather during this week has been cold generally, very dull, foggy and wet in the SE. and E., but much finer in the N. and N. - especially in the earlier part of the week. N^w and NE^w winds have been the most prevalent, and the latter blew a fresh gale all along our E. coasts during Wednesday night and Thursday, accompanied by a good deal of cold rain. On Friday a change occurred; a depression travelling in a S^w direction ^{passed} down our N. coasts during the day, causing some rather fresh N^w to NW^w winds in those regions with rainy weather, while N^w airs and fine weather were experienced in the E. At the close of the week a second depression was approaching Scotland from the NNW^w, and rainy weather was spreading over us.

SUNDAY NOV^r 24th

Weather nearly clear in the S^w parts of Scandinavia, dull or cloudy elsewhere, with rain in the E., S. and SW. snow at Nottingham. Weather very gloomy all day and rain falling generally.

Temperature lower over Central England than on the 23rd, higher in most other places - several degrees in the SW. of France. The maxima high (51° to 54°) in the S. during the day.

Wind SW^w over France, SE^w to E^w over Great Britain and NE^w in Ireland; moderate in force. N^w breezes blowing over Norway and Sweden.

Sea moderate or smooth except off the Scilly Islands and at Christiansund.

Barometer falling generally - briskly in the SW. Readings high over Denmark, and in the S. of France, and a small depression advancing towards the Scilly Isles from the SW^w. Pressure going way all day.

MONDAY NOV^r 25th

Weather fine over Ireland still dull or cloudy elsewhere, with rain at several stations, snow at Oslo, fog and mist over England. Rain falling during the day except in the N. and SW., heavily in the E. of Scotland. Heavy snow in the N. of Scotland.

Temperature fallen in the N., risen in the N., E., and S., - very quickly in the SE. After 8 a.m. the thermometer fell quickly, the maxima for the day having occurred at 8 a.m.

Wind E^w to SE^w in the S. of France, SW^w to S^w at the S^w and SE^w stations, E^w in the N. The E^w breezes blowing strongly and rising to a fresh gale at Harwich in the night.

Sea generally moderate to slight, but rather rough at Hurst Castle and the Scaw.

Barometer falling in all parts of N. Europe, but rising in Sweden. Readings relatively high both over the Gulf of Bothnia and the S. of France, a depression lying over the N. of England and moving NE^w. Pressure recovering somewhat in our Islands during the day.

TUESDAY NOV^r 26th

Weather moderately fine at several of our stations, but cloudy, gloomy and foggy generally in the S. and SE. Rain in N. Germany and Denmark, snow at Hernösand. Snow and hail falling except in the SW. later on, heavily at Shields and Newcastle.

Temperature several degrees ^{lower} over these Islands and N. of France than on the 25th, higher in Sweden. The maxima in the day rather low, but the minima at night not below 32° except in the N. and NW.

Wind light to moderate, S^w over France and Sweden, NE^w in the N. of Scotland; variable airs over England. N^w breezes becoming general in the evening.

Sea smooth or nearly so, except at Aberdeen.

Barometer risen over these Islands, fallen over France, and to the E^w of the North Sea. The depression from N. England, now lying over the Skagerrak. Pressure increasing in nearly all places during the day.

WEDNESDAY NOV^r 27th

Weather fine at most of the Irish stations, dull, foggy and unsettled elsewhere, with rain in the SE., start at Seith.

Rain falling subsequently except in the N. of Scotland - heavily over our SE^m counties.

Temperature fallen at all the more E^m and S^m stations, risen over Ireland and Wales, varying from 46° at Seith, to 27° at Naism. Minima in following night about 32° in Central England and a few degrees below that in Scotland.

Wind S^W in the SW of France, in N Germany, the Baltic and at Stornoway; N^E to NE^E over the United Kingdom and North Sea. Blowing strongly in the SW., but lightly or moderately elsewhere. A NE. gale on the E coast at night.

Sea rough in the SW. and afterwards in the E.

Barometer falling over France and the S. and E. of England, rising at all the N^m and N^m stations except Stornoway. A band of low pressure lying over the Bay of Biscay and N. of France with three minima in it. Rising briskly in N. during the day, and falling in SE., gradients for NE^E winds consequently increasing.

THURSDAY NOV^r 28th

Weather at dawn wet, gloomy and dull over N Germany, the S. and SE. of England and the Straits of Dover; exceedingly fine elsewhere. Rain subsequently falling at all but the Central and NE^m stations. Clear night generally.

Temperature risen over these Islands, fallen slightly over France, and briskly over Scandinavia. Air very uncomfortable.

Readings varying from 44° at Shields to 28° at Thurso. Slight frost at many stations in following night.

Wind NW^E over the Bay of Biscay, SW^E to S^E in Belgium and the E. of France; NE^E over the United Kingdom, strong in force and blowing a gale on our E. coast and at Seith.

Sea rough in the E., N. and SW.

Barometer rising briskly in the N. and NW., and slightly in all other places excepting N. Germany, where it fell. A large area of low pressure in the SE. with minima over the Straits of Dover and near Copenhagen. The highest readings lying to the NW^m of our Islands. Barometer falling at Stornoway at night.

FRIDAY NOV^r 29th

Weather again very fine over the greater part of England and the E. and N. of Scotland, dull and wet in the N. and NW. with hail at Pembroke, snow at the Scaw. Little change during day. Rain in N. rather heavy in Ireland. Auroras and lightning seen in Caithness at night.

Temperature risen in the extreme N. fallen elsewhere - several degrees over England. Reading varying from 45° at Seith and 40° at Stornoway to 31° at Shields. Minima in following night very low over Central England.

Wind moderate NW^E to S^E in the N. and NW., N^E to NE^E in the E. and S., moderate to fresh in ^{generally} foggy, strong at Seith. Wind veering over Ireland and backing over England during the day.

Sea rough in the SE. and SW.

Barometer falling quickly in Scotland, rising briskly elsewhere. Pressure high in the SW., low near the Hebrides and over N. Germany. Small depressions passing S^W over our N^m coasts during day, partially filling up during its journey.

SATURDAY NOV^r 30th

Weather fine in the N. and E. dull or cloudy in most other districts, foggy over England, rainy at Rhinistry. Rain in the N. and NW. late in the day, and subsequently spreading over England.

Temperature risen in the N. fallen elsewhere; but the rise in the N. subsequently extending to other parts of the Kingdom.

Wind very variable, but light. Back to N. again on our NW. coasts, and to SW. (very light) in the E. of Scotland. NW^E winds felt on our SW. coasts, but S^W in the SW. of France; strong NE^E breeze in Denmark, NW^E to N^E in the Netherlands.

Sea rough at Seith and in the Skagge Rack

Barometer still high in the SW. and also over Sweden, low over N. Germany. Yesterday's N^m depression now near Jersey, but hardly perceptible. Another depression coming towards Scotland in the evening.

Meteorological Office,

116 Victoria Street, Westminster, S.W.

ROBERT H. SCOTT, Secretary.

CORRECTIONS AND ADDITIONS TO THE REPORTS FOR NOV^r 1878.

1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	STATIONS.	† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 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	Corunna	*	*	*	*	*	30.09	-02	53	*	+1	nr	2	c	5	*	*	*	
2 nd	Lorient	30.01	43	NNW	4	bc	30.20	+22	45	?	+2	nr	3	h	3	50	39	-	
3 rd	Corunna	*	*	*	*	*	30.26	+17	50	*	-3	nr	3	b	1	*	*	*	
4 th	Corunna	*	*	*	*	*	29.95	-20	50	*	-2	?	9	c	4	*	*	*	
5 th	Corunna	*	*	*	*	*	29.96	+01	46	*	-4	n	6	od	?	*	*	*	
6 th	Brest	29.99	50	NNE	3	o	29.89	+01	50	43	+7	n	5	o	4	50	46	0.04	
7 th	Corunna	*	*	*	*	*	30.14	+18	47	*	+1	NE	6	ol	5	*	*	*	
8 th	Corunna	*	*	*	*	*	30.04	-10	51	*	+4	s	8	cl	1	*	*	*	
9 th	Brussels	*	*	*	*	*	29.56	+12	38	37	+2	WSW	4	o	*	39	36	1.06	
10 th	Corunna	*	*	*	*	*	30.20	+16	48	*	-3	?	3	e	1	*	*	*	
11 th	Corunna	*	*	*	*	*	30.38	+18	49	*	+1	NE	3	e	5	*	*	*	
12 th	Corunna	*	*	*	*	*	30.03	?	53	*	?	nr	6	ep	5	*	*	*	
13 th	Thurso	29.22	30	NNW	6	o	29.21	-08	44	43	+9	NNW	6	pg	6	45	34	0.25	
14 th	Shields	29.30	36	nr	2	bc	29.18	-11	33	32	-5	NNW	6	o	5	40	29	0.10	
15 th	Androssau	29.81	35	nr	6	o	29.37	-04	37	34	-2	nr	3	cq	2	41	34	0.03	
16 th	Corunna	*	*	*	*	*	30.05	+02	49	*	-4	nr	6	cl	7	*	*	*	
17 th	Corunna	*	*	*	*	*	29.92	-13	48	*	-1	n	12	ep	7	*	*	*	
18 th	Lumburgh Hd.	29.68	40	Z	0	c	29.77	+21	37	35	-1	NNE	2	bc	2	43	34	0.17	
19 th	Corunna	*	*	*	*	*	30.05	-13	47	*	-1	n	9	c	7	*	*	*	
20 th	Brussels	*	*	*	*	*	29.40	-06	39	37	-1	SSW	4	o	*	42	38	-	
21 st	Lumburgh Hd.	29.85	38	NNE	3	c	29.80	+03	42	40	+5	NNE	4	bc	5	43	36	0.01	
22 nd	Corunna	*	*	*	*	*	29.98	-07	51	*	+4	NE	?	e	7	*	*	0.14	
23 rd	Lumburgh Head	29.60	43	NNE	6	c	29.54	-26	43	42	+1	NNE	3	e	4	45	40	*	
24 th	Corunna	*	*	*	*	*	30.00	+02	41	*	-10	NE	6	ep	7	*	*	*	
25 th	Lumburgh Hd.	29.60	42	NNE	2	b	29.76	+22	41	38	-2	NNE	2	b	3	47	39	*	
26 th	Lumburgh Head	29.95	40	NE	3	c	30.13	+37	38	37	-3	Z	0	bc	1	46	36	*	
27 th	Corunna	*	*	*	*	*	30.13	+15	50	*	-3	NE	6	e	7	*	*	*	
28 th	Lumburgh Hd.	30.19	43	W	2	bc	30.16	+03	46	44	+3	WSW	4	o	3	46	36	*	
29 th	Corunna	*	*	*	*	*	30.19	+06	49	*	-1	E	?	ol	5	*	*	0.08	
30 th	Lumburgh Hd.	30.11	46	WSW	4	c	30.08	-08	47	44	+1	W	6	bc	6	49	43	*	
31 st	Corunna	*	*	*	*	*	30.22	+03	47	*	-2	NE	6	c	5	*	*	0.03	
32 nd	Stornoway	30.21	40	Z	0	f	30.11	+03	47	45	0	S	1	o	2	50	40	*	
33 rd	Corunna	*	*	*	*	*	30.08	-14	43	*	-4	NE	3	b	1	*	*	*	
34 th	Corunna	*	*	*	*	*	29.98	-10	45	*	+2	SW	1	c	1	*	*	*	
35 th	Corunna	*	*	*	*	*	29.66	-32	49	*	+4	SW	3	o	1	*	*	*	
36 th	Stornoway	29.52	39	NE	5	h	29.43	-27	41	38	+3	n	7	o	6	41	38	0.87	
37 th	Corunna	*	*	*	*	*	29.42	-15	53	*	0	Z	0	orf	2	*	*	*	
38 th	Stornoway	29.46	40	NE	7	e	29.58	+15	35	33	-6	n	2	b	4	42	34	0.05	
39 th	Corunna	*	*	*	*	*	29.38	-04	58	*	+5	?	?	ol	2	*	*	*	
40 th	Corunna	*	*	*	*	*	30.05	?	44	*	?	n	6	cl	7	*	*	0.46	
41 st	Jersey	29.62	45	NE	3	o	29.91	+44	41	38	+1	NE	3	om	3	46	40	*	
42 nd	Corunna	*	*	*	*	*	29.74	-31	48	*	+4	W	9	orf	7	*	*	*	
43 rd	Brussels	*	*	*	*	*	29.71	+28	38	37	-10	NNE	2	c	*	49	37	0.39	
44 th	Jersey	30.05	39	Z	0	bc	29.93	+02	44	44	+3	nr	1	em	1	45	38	0.74	
45 th	Corunna	*	*	*	*	*	30.38	+64	44	*	-4	NE	6	c	5	*	*	*	

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

[illegible]